

## Key to Proformas

The outline proforma below provides guidance on the information that is provided in each section of the assessment form.

**Licence block:** The unique reference number of the licence block

**Granting of licence proposed:** Yes / No - this is based on the HRA only; other factors will also determine whether the licence is ultimately issued

### Conditions proposed for the licence

Here we recommend any licence conditions that should be imposed to prohibit the carrying out of specified activities (Stage A, B, C or D) to ensure no adverse effect on integrity (AEOI) on any European site.

### Advice proposed with the licence

This advice relates to "buffer zones". Buffer zones are defined as areas that lie outside the designated area of a European site but which can play an important role in maintaining the conservation status of one or more of a site's qualifying interest features. A buffer zone, for example, could be land that is used for foraging by the European site's population of birds or bats – the birds or bats being its interest feature. Consequently, a buffer zone is treated by this assessment as a potentially sensitive area of land because of its proximity to a European site or its potential connectivity to a European site but, nevertheless, an area of land within which we have concluded that Stage A, B, C or D activities will be possible without AEOI on the adjacent European site. Accordingly, the advice notice will not be a formal licence condition. The advice will only highlight the potential sensitivity of the buffer zone (due to its proximity to the European site or its potential connectivity to a European site) and the fact that mitigation and/or alternative siting may therefore be required by planning authorities and possibly other permitting bodies further considering HRA issues for specific project-level operations.

### Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<p>This column lists the European sites that are within, or within 10km of, the licence block and the interest features of those sites.</p> <p>For Ramsar sites, the designation Criteria that the site meets are summarised (so, for example, an estuarine site designated for its overwintering bird populations might meet Criterion 5 ('regularly supports 20,000 or more waterbirds') and Criterion 6 ('regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds')), but the specific details of the citation are not noted. These are available from <a href="http://jncc.defra.gov.uk/page-4">http://jncc.defra.gov.uk/page-4</a> if required.</p>	Yes or No	<p>These boxes provide a 'yes/no' answer to the above question, "Can Stage A, B, C or D activities be carried out without AEOI?" for each interest feature in each European site, and for each type of activity (A, B, C, D). It also assesses the impact of activity on the European site based on the location of the activity – i.e. whether it is inside or outside the European site. In all instances, Stage B, C and D activities within a European site are not considered to be activities that can be carried out without AEOI. In some instances, depending on the interest features of the site in question, Stage A activities within a European site are also not considered to be activities that can be carried out without AEOI. Outside of a European site, at this strategic plan level, it is our conclusion that all of Stage A, B, C and D activities can be carried out without AEOI.</p>								<p>The notes provide a summary of the overall assessment for each European site (based on its interest features and location relative to the licence block) and provides guidance on the conditions that are recommended as a result.</p>

**Licence block: NZ51**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: North York Moors SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA (including proposed extension areas), North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA (including proposed extension areas), North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Teesmouth &amp; Cleveland Coast Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Teesmouth and Cleveland Coast SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great cormorant ( <i>Phalacrocorax carbo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sandwich tern ( <i>Sterna sandvicensis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Teesmouth and Cleveland Coast draft SPA extension</b>	<b>No</b>									This extension is outside the licence block, but within 1km of the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Avocet ( <i>Recurvirostra avosetta</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>North York Moors SPA</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Merlin ( <i>Falco columbarius</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>North York Moors SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Northern Atlantic wet heaths with <i>Erica tetralix</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	Yes	No	No	No	Yes	Yes	Yes	Yes			

**Licence block: NZ52b**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Northumbria Coast Ramsar, Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA (including proposed extension areas), Northumbria Coast SPA, North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Northumbria Coast Ramsar, Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA (including proposed extension areas), Northumbria Coast SPA, North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Northumbria Coast Ramsar	No					Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Teesmouth &amp; Cleveland Coast Ramsar</b>	<b>Yes</b>										
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Teesmouth and Cleveland Coast SPA</b>	<b>Yes</b>										
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Waterfowl assemblage	No	No	No	No	No	Yes	Yes	Yes	Yes		
Great cormorant ( <i>Phalacrocorax carbo</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Northern shoveler ( <i>Anas clypeata</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Sandwich tern ( <i>Sterna sandvicensis</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Teesmouth and Cleveland Coast draft SPA extension</b>	<b>Yes</b>										
Avocet ( <i>Recurvirostra avosetta</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes	As for Teesmouth and Cleveland Coast SPA	
Common tern ( <i>Sterna hirundo</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Northumbria Coast SPA</b>	<b>No</b>										
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Purple sandpiper ( <i>Calidris maritima</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>North York Moors SPA</b>	<b>No</b>										
Merlin ( <i>Falco columbarius</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Durham Coast SAC</b>	<b>No</b>										
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
<b>North York Moors SAC</b>	<b>No</b>										
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European dry heaths	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: NZ52c**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA (including proposed extension areas), North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Teesmouth & Cleveland Coast Ramsar, Teesmouth and Cleveland Coast SPA (including proposed extension areas), North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Teesmouth &amp; Cleveland Coast Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Teesmouth and Cleveland Coast SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Great cormorant ( <i>Phalacrocorax carbo</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Sandwich tern ( <i>Sterna sandvicensis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Little tern ( <i>Sterna albifrons</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Teesmouth and Cleveland Coast draft SPA extension</b>	<b>Yes</b>										As for Teesmouth and Cleveland Coast SPA
Avocet ( <i>Recurvirostra avosetta</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>North York Moors SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Merlin ( <i>Falco columbarius</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>North York Moors SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: NZ90**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Beast Cliff – Whitby (Robin Hood’s Bay) SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>North York Moors SAC</b>	<b>No</b>									
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

**Licence block: SD16**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Morecambe Bay SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEIOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Duddon Estuary Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Morecambe Bay Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Duddon Estuary SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandwich tern ( <i>Sterna sandvicensis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Northern pintail ( <i>Anas acuta</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Morecambe Bay SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern pintail ( <i>Anas acuta</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Seabird assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Sandwich tern ( <i>Sterna sandvicensis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Ruddy turnstone ( <i>Arenaria interpres</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian curlew ( <i>Numenius arquata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Bar-tailed godwit ( <i>Limosa lapponica</i> )	No	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Morecambe Bay SAC</b>	<b>Yes</b>									
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	Yes	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries	Yes	No	No	No	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	Yes	Yes	Yes	Yes		
Coastal lagoons	Yes	No	No	No	Yes	Yes	Yes	Yes		
Large shallow inlets and bays	Yes	No	No	No	Yes	Yes	Yes	Yes		
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes		
Perennial vegetation of stony banks	Yes	No	No	No	Yes	Yes	Yes	Yes		
Salicornia and other annuals colonizing mud and sand	Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
Embryonic shifting dunes	Yes	No	No	No	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes		
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic decalcified fixed dunes ( <i>Calluno-Ulicetalia</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
Dunes with <i>Salix repens</i> ssp. <i>argentea</i> ( <i>Salicion arenariae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
Humid dune slacks	Yes	No	No	No	Yes	Yes	Yes	Yes		
Great crested newt ( <i>Triturus cristatus</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		

**Licence block: SD17**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Duddon Estuary Ramsar, Duddon Estuary SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Morecambe Bay SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Duddon Estuary Ramsar</b>	Yes										
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Morecambe Bay Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Duddon Estuary SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandwich tern ( <i>Sterna sandvicensis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Northern pintail ( <i>Anas acuta</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Morecambe Bay SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Seabird assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sandwich tern ( <i>Sterna sandvicensis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian curlew ( <i>Numerius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Ringed plover ( <i>Charadrius hiaticula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Morecambe Bay SAC</b>	<b>Yes</b>									
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	Yes	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries	Yes	No	No	No	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	Yes	Yes	Yes	Yes		
Coastal lagoons	Yes	No	No	No	Yes	Yes	Yes	Yes		
Large shallow inlets and bays	Yes	No	No	No	Yes	Yes	Yes	Yes		
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes		
Perennial vegetation of stony banks	Yes	No	No	No	Yes	Yes	Yes	Yes		
Salicornia and other annuals colonizing mud and sand	Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
Embryonic shifting dunes	Yes	No	No	No	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes		
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic decalcified fixed dunes ( <i>Calluno-Ulicetalia</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
Dunes with <i>Salix repens</i> ssp. <i>argentea</i> ( <i>Salicion arenariae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
Humid dune slacks	Yes	No	No	No	Yes	Yes	Yes	Yes		
Great crested newt ( <i>Triturus cristatus</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
<b>Duddon Mosses SAC</b>	<b>No</b>									
Active raised bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Degraded raised bogs still capable of natural regeneration	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Subberthwaite, Blawith and Torver Low Commons SAC</b>	<b>No</b>									
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Depressions on peat substrates of the <i>Rhynchosporion</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SD20**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Liverpool Bay / Bae Lerpwl SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Mersey Narrows and North Wirral Foreshore SPA, Liverpool Bay / Bae Lerpwl SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Ribble & Alt Estuaries Ramsar, Sefton Coast SAC, Dee Estuary/Aber Dyfrdwy SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Mersey Narrows and North Wirral Foreshore SPA, Liverpool Bay / Bae Lerpwl SPA, Dee Estuary/Aber Dyfrdwy SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Ribble &amp; Alt Estuaries Ramsar</b>	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Ribble and Alt Estuaries SPA</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Seabird assemblage	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Black (common) scoter ( <i>Melanitta nigra</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Northern pintail ( <i>Anas acuta</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Whooper swan ( <i>Cygnus cygnus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Great cormorant ( <i>Phalacrocorax carbo</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Greater scaup ( <i>Aythya marila</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Lesser black-backed gull ( <i>Larus fuscus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common tern ( <i>Sterna hirundo</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Black-headed gull ( <i>Larus ridibundus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Whimbrel ( <i>Numenius phaeopus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ruff ( <i>Philomachus pugnax</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Mersey Narrows and North Wirral Foreshore SPA</b>	<b>No</b>								This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Little gull ( <i>Larus minutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great cormorant ( <i>Phalacrocorax carbo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Liverpool Bay / Bae Lerpwl SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Black (common) scoter ( <i>Melanitta nigra</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Red-throated diver ( <i>Gavia stellata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Sefton Coast SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Embryonic shifting dunes	Yes	No	No	No	Yes	Yes	Yes	Yes			
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes			
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes			
Atlantic decalcified fixed dunes ( <i>Calluno-Ulicetea</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Dunes with <i>Salix repens</i> ssp. <i>argentea</i> ( <i>Salicion arenariae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Humid dune slacks	Yes	No	No	No	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Petalwort ( <i>Petalophyllum ralfsii</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Dee Estuary/Aber Dyfrdwy SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Estuaries	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Annual vegetation of drift lines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<i>Salicornia</i> and other annuals colonizing mud and sand	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Embryonic shifting dunes	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Humid dune slacks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Petalwort ( <i>Petalophyllum ralfsii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Ribble &amp; Alt Estuaries Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Ribble and Alt Estuaries SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Seabird assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Northern lapwing ( <i>Vanellus vanellus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Black (common) scoter ( <i>Melanitta nigra</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Northern pintail ( <i>Anas acuta</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Whooper swan ( <i>Cygnus cygnus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Great cormorant ( <i>Phalacrocorax carbo</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Greater scaup ( <i>Aythya marila</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Lesser black-backed gull ( <i>Larus fuscus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Black-headed gull ( <i>Larus ridibundus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian curlew ( <i>Numenius arquata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Whimbrel ( <i>Numenius phaeopus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Ruff ( <i>Philomachus pugnax</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Bar-tailed godwit ( <i>Limosa lapponica</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Liverpool Bay / Bae Lerpwl SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Black (common) scoter ( <i>Melanitta nigra</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Red-throated diver ( <i>Gavia stellata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Sefton Coast SAC</b>	<b>Yes</b>									
Embryonic shifting dunes	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	Yes	No	No	No	No	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	Yes	No	No	No	No	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes ( <i>Calluno-Ulicetea</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes	
Dunes with <i>Salix repens</i> ssp. <i>argentea</i> ( <i>Salicion arenariae</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes	
Humid dune slacks	Yes	No	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt ( <i>Triturus cristatus</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes	
Petalwort ( <i>Petalophyllum ralfsii</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes	

**Licence block: SD26a**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Morecambe Bay Ramsar, Morecambe Bay SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Morecambe Bay SAC, Shell Flat and Lune Deep SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Duddon Estuary Ramsar</b>	<b>No</b>									
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Morecambe Bay Ramsar</b>	<b>Yes</b>										
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Duddon Estuary SPA</b>	<b>No</b>										
Sandwich tern ( <i>Sterna sandvicensis</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Morecambe Bay SPA</b>	<b>Yes</b>										
Northern pintail ( <i>Anas acuta</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Seabird assemblage	No	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	No	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Sandwich tern ( <i>Sterna sandvicensis</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Ruddy turnstone ( <i>Arenaria interpres</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Morecambe Bay SAC</b>	<b>Yes</b>										
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Estuaries	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Coastal lagoons	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Large shallow inlets and bays	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Reefs	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Perennial vegetation of stony banks	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Salicornia and other annuals colonizing mud and sand	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Embryonic shifting dunes	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Atlantic decalcified fixed dunes ( <i>Calluno-Ulicetea</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Dunes with <i>Salix repens</i> ssp. <i>argentea</i> ( <i>Salicion arenariae</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Humid dune slacks	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Great crested newt ( <i>Triturus cristatus</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Roudsea Wood and Mosses SAC</b>	<b>No</b>										
Active raised bogs	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Degraded raised bogs still capable of natural regeneration	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<i>Taxus baccata</i> woods of the British Isles	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Shell Flat and Lune Deep SAC</b>	<b>No</b>										
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Reefs	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		



**Licence block: SD26b**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Morecambe Bay Ramsar, Morecambe Bay SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Morecambe Bay SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Duddon Estuary Ramsar, Morecambe Bay Ramsar, Duddon Estuary SPA, Morecambe Bay SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Duddon Estuary Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Morecambe Bay Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Duddon Estuary SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandwich tern ( <i>Sterna sandvicensis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Morecambe Bay SPA</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern pintail ( <i>Anas acuta</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Seabird assemblage	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Sandwich tern ( <i>Sterna sandvicensis</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ruddy turnstone ( <i>Arenaria interpres</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Morecambe Bay SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	Yes	Yes	Yes	Yes		
Estuaries	Yes	No	No	No	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	Yes	Yes	Yes	Yes		
Coastal lagoons	Yes	No	No	No	Yes	Yes	Yes	Yes		
Large shallow inlets and bays	Yes	No	No	No	Yes	Yes	Yes	Yes		
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes		
Perennial vegetation of stony banks	Yes	No	No	No	Yes	Yes	Yes	Yes		
Salicornia and other annuals colonizing mud and sand	Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
Embryonic shifting dunes	Yes	No	No	No	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes		
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic decalcified fixed dunes ( <i>Calluno-Uliceteta</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
Dunes with <i>Salix repens</i> ssp. <i>argentea</i> ( <i>Salicion arenariae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
Humid dune slacks	Yes	No	No	No	Yes	Yes	Yes	Yes		
Great crested newt ( <i>Triturus cristatus</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		

**Licence block: SD40**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Martin Mere Ramsar, Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Martin Mere SPA, Mersey Narrows and North Wirral Foreshore SPA, Liverpool Bay / Bae Lerpwl SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Ribble & Alt Estuaries Ramsar, Sefton Coast SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Martin Mere Ramsar, Ribble & Alt Estuaries Ramsar, Ribble and Alt Estuaries SPA, Martin Mere SPA, Mersey Narrows and North Wirral Foreshore SPA, Liverpool Bay / Bae Lerpwl SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Martin Mere Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Ribble &amp; Alt Estuaries Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Ribble and Alt Estuaries SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Seabird assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black (common) scoter ( <i>Melanitta nigra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Whooper swan ( <i>Cygnus cygnus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great cormorant ( <i>Phalacrocorax carbo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Greater scaup ( <i>Aythya marila</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Lesser black-backed gull ( <i>Larus fuscus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-headed gull ( <i>Larus ridibundus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Whimbrel ( <i>Numenius phaeopus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Martin Mere SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Whooper swan ( <i>Cygnus cygnus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Mersey Narrows and North Wirral Foreshore SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Little gull ( <i>Larus minutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Grey plover ( <i>Pluvialis squatarola</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great cormorant ( <i>Phalacrocorax carbo</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common tern ( <i>Sterna hirundo</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Liverpool Bay / Bae Lerpwl SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Black (common) scoter ( <i>Melanitta nigra</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Red-throated diver ( <i>Gavia stellata</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Sefton Coast SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes ( <i>Calluno-Ulicetea</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with <i>Salix repens</i> ssp. <i>argentea</i> ( <i>Salicion arenariae</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt ( <i>Triturus cristatus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Petalwort ( <i>Petalophyllum ralfsii</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

**Licence block: SD45**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Morecambe Bay Ramsar, Morecambe Bay SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Morecambe Bay Ramsar, Morecambe Bay SPA, Bowland Fells SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Morecambe Bay Ramsar, Morecambe Bay SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Morecambe Bay Ramsar, Morecambe Bay SPA, Bowland Fells SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Morecambe Bay Ramsar</b>	Yes										
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Morecambe Bay SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern pintail ( <i>Anas acuta</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Seabird assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Sandwich tern ( <i>Sterna sandvicensis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Ruddy turnstone ( <i>Arenaria interpres</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian curlew ( <i>Numenius arquata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Bar-tailed godwit ( <i>Limosa lapponica</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Bowland Fells SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Lesser black-backed gull ( <i>Larus fuscus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Merlin ( <i>Falco columbarius</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Hen harrier ( <i>Circus cyaneus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Morecambe Bay SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	Yes	Yes	Yes	Yes			
Estuaries	Yes	No	No	No	Yes	Yes	Yes	Yes			
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	Yes	Yes	Yes	Yes			
Coastal lagoons	Yes	No	No	No	Yes	Yes	Yes	Yes			
Large shallow inlets and bays	Yes	No	No	No	Yes	Yes	Yes	Yes			
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes			
Perennial vegetation of stony banks	Yes	No	No	No	Yes	Yes	Yes	Yes			
Salicornia and other annuals colonizing mud and sand	Yes	No	No	No	Yes	Yes	Yes	Yes			
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Embryonic shifting dunes	Yes	No	No	No	Yes	Yes	Yes	Yes			
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes			
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes			
Atlantic decalcified fixed dunes ( <i>Calluno-Uliceteta</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Dunes with <i>Salix repens</i> ssp. <i>argentea</i> ( <i>Salicion arenariae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Humid dune slacks	Yes	No	No	No	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Calf Hill and Cragg Woods SAC</b>	<b>No</b>										
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		



**Licence block: SD50**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Martin Mere Ramsar, Martin Mere SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Martin Mere Ramsar, Martin Mere SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Martin Mere Ramsar</b>	<b>No</b>									
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Martin Mere SPA</b>	<b>No</b>									
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Tundra swan (Cygnus columbianus bewickii)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Whooper swan (Cygnus cygnus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian wigeon (Anas penelope)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Pink-footed goose (Anser brachyrhynchus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern pintail (Anas acuta)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Manchester Mosses SAC</b>	<b>No</b>									
Degraded raised bogs still capable of natural regeneration	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

**Licence block: SD55**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Morecambe Bay Ramsar, Morecambe Bay SPA, Bowland Fells SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Morecambe Bay Ramsar, Morecambe Bay SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Morecambe Bay Ramsar, Morecambe Bay SPA, Bowland Fells SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Morecambe Bay Ramsar</b>	No										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Morecambe Bay SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Seabird assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sandwich tern ( <i>Sterna sandvicensis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Ringed plover ( <i>Charadrius hiaticula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Bowland Fells SPA</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Lesser black-backed gull ( <i>Larus fuscus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Merlin ( <i>Falco columbarius</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Hen harrier ( <i>Circus cyaneus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Morecambe Bay SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Estuaries	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Coastal lagoons	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Large shallow inlets and bays	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Reefs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Perennial vegetation of stony banks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Salicornia and other annuals colonizing mud and sand	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Embryonic shifting dunes	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic decalcified fixed dunes ( <i>Calluno-Uliceteta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dunes with <i>Salix repens</i> ssp. <i>argentea</i> ( <i>Salicion arenariae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Humid dune slacks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>North Pennine Dales Meadows SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Molinia meadows on calcareous, peaty or clayey-silt-aden soils ( <i>Molinion caeruleae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mountain hay meadows	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Calf Hill and Cragg Woods SAC</b>	No										
Old sessile oak woods with Ilex and Blechnum in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SD60d**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Manchester Mosses SAC</b> Degraded raised bogs still capable of natural regeneration	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Rixton Clay Pits SAC</b> Great crested newt ( <i>Triturus cristatus</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SD61  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

Licence block: SD62  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

**Licence block: SD63**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Bowland Fells SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Bowland Fells SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Bowland Fells SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Lesser black-backed gull (Larus fuscus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		



Licence block: SD70

Granting of licence proposed?: Yes

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Manchester Mosses SAC</b> Degraded raised bogs still capable of natural regeneration	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Rixton Clay Pits SAC</b> Great crested newt ( <i>Triturus cristatus</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Rochdale Canal SAC</b> Floating water-plantain ( <i>Luronium natans</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

**Licence block: SD71**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Rochdale Canal SAC Floating water-plantain (Luronium natans)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

**Licence block: SD72**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are South Pennine Moors Phase 2 SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are South Pennine Moors Phase 2 SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>South Pennine Moors Phase 2 SPA</b>	<b>No</b>										
Breeding bird assemblage	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Short-eared owl (Asio flammeus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Merlin (Falco columbarius)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>South Pennine Moors SAC</b>	<b>No</b>										
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old sessile oak woods with Ilex and Blechnum in the British Isles	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SD73**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Bowland Fells SPA, South Pennine Moors Phase 2 SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Bowland Fells SPA, South Pennine Moors Phase 2 SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Bowland Fells SPA</b>	<b>No</b>										
Lesser black-backed gull ( <i>Larus fuscus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Merlin ( <i>Falco columbarius</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Hen harrier ( <i>Circus cyaneus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>South Pennine Moors Phase 2 SPA</b>	<b>No</b>										
Breeding bird assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Short-eared owl ( <i>Asio flammeus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Merlin ( <i>Falco columbarius</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>South Pennine Moors SAC</b>	<b>No</b>										
Northern Atlantic wet heaths with <i>Erica tetralix</i>		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SD81**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are South Pennine Moors Phase 2 SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are South Pennine Moors Phase 2 SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>South Pennine Moors Phase 2 SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Breeding bird assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Short-eared owl (Asio flammeus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Merlin (Falco columbarius)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Rochdale Canal SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Floating water-plantain (Luronium natans)	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>South Pennine Moors SAC</b>	<b>No</b>									
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Old sessile oak woods with Ilex and Blechnum in the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SD83**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: South Pennine Moors Phase 2 SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are South Pennine Moors Phase 2 SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are South Pennine Moors Phase 2 SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>South Pennine Moors Phase 2 SPA</b>	Yes									
Breeding bird assemblage	No	No	No	No	Yes	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Short-eared owl (Asio flammeus)	No	No	No	No	Yes	Yes	Yes	Yes		
European golden plover (Pluvialis apricaria)	No	No	No	No	Yes	Yes	Yes	Yes		
Merlin (Falco columbarius)	No	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>South Pennine Moors SAC</b>	Yes									
Northern Atlantic wet heaths with Erica tetralix	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths	Yes	No	No	No	No	Yes	Yes	Yes	Yes	
Blanket bogs (priority feature if active bog)	Yes	No	No	No	No	Yes	Yes	Yes	Yes	
Transition mires and quaking bogs	Yes	No	No	No	No	Yes	Yes	Yes	Yes	
Old sessile oak woods with Ilex and Blechnum in the British Isles	Yes	No	No	No	No	Yes	Yes	Yes	Yes	



**Licence block: SE30b**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Peak District Moors (South Pennine Moors Phase 1) SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian curlew (Numenius arquata)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Short-eared owl (Asio flammeus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Merlin (Falco columbarius)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Denby Grange Colliery Ponds SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great crested newt (Triturus cristatus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>South Pennine Moors SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old sessile oak woods with Ilex and Blechnum in the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE31c**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Denby Grange Colliery Ponds SAC Great crested newt ( <i>Triturus cristatus</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

**Licence block: SE32b**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Denby Grange Colliery Ponds SAC Great crested newt ( <i>Triturus cristatus</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SE40f

Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<i>none</i>										

Licence block: SE41e  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

Licence block: SE42e

Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

*Designated Sites and Interest Features (present within the Licence Block or within 10km)*

**Is Euro. site within block?**

**Can Stage A, B, C or D activities be carried out without AEOI?**

**Notes**

*If activity is within European site?*

*If activity is outside European site?*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*none*

**Licence block: SE50b**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Thorne and Hatfield Moors SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Thorne and Hatfield Moors SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Thorne and Hatfield Moors SPA</b> European nightjar ( <i>Caprimulgus europaeus</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Hatfield Moor SAC</b> Degraded raised bogs still capable of natural regeneration	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

**Licence block: SE51b**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

<b>Thorne Moor SAC</b> Degraded raised bogs still capable of natural regeneration	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
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**Licence block: SE52**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>River Derwent SAC</b>	No										
Water courses of plain to montane levels with the <i>Ranunculus fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bullhead ( <i>Cottus gobio</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Skipwith Common SAC</b>	No										
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European dry heaths	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SE57**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Merlin (Falco columbarius)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>North York Moors SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Strensall Common SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE61d**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Thorne and Hatfield Moors SPA, Humber Estuary SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SAC.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Humber Estuary Ramsar, Thorne and Hatfield Moors SPA, Humber Estuary SPA, Humber Estuary SAC, River Derwent SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Humber Estuary Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Thorne and Hatfield Moors SPA</b>	<b>No</b>										
European nightjar ( <i>Caprimulgus europaeus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
<b>Humber Estuary SPA</b>	<b>No</b>										
Great bittern ( <i>Botaurus stellaris</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Great bittern ( <i>Botaurus stellaris</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Greater scaup ( <i>Aythya marila</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mallard ( <i>Anas platyrhynchos</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruff ( <i>Philomachus pugnax</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Whimbrel ( <i>Numenius phaeopus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common greenshank ( <i>Tringa nebularia</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruddy turnstone ( <i>Arenaria interpres</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian marsh harrier ( <i>Circus aeruginosus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common goldeneye ( <i>Bucephala clangula</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Pied avocet ( <i>Recurvirostra avosetta</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common pochard ( <i>Aythya ferina</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Pied avocet ( <i>Recurvirostra avosetta</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Hen harrier ( <i>Circus cyaneus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Thorne Moor SAC</b> Degraded raised bogs still capable of natural regeneration	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Hatfield Moor SAC</b> Degraded raised bogs still capable of natural regeneration	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Humber Estuary SAC</b> Sandbanks which are slightly covered by sea water all the time Estuaries Mudflats and sandflats not covered by seawater at low tide Coastal lagoons Salicornia and other annuals colonizing mud and sand Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> ) Embryonic shifting dunes Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes") Fixed coastal dunes with herbaceous vegetation ("grey dunes") Dunes with <i>Hippophya rhamnoides</i> Sea lamprey ( <i>Petromyzon marinus</i> ) River lamprey ( <i>Lampetra fluviatilis</i> ) Grey seal ( <i>Halichoerus grypus</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>River Derwent SAC</b> Water courses of plain to montane levels with the <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation Sea lamprey ( <i>Petromyzon marinus</i> ) River lamprey ( <i>Lampetra fluviatilis</i> ) Bullhead ( <i>Cottus gobio</i> ) Otter ( <i>Lutra lutra</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

## Licence block: SE65

Granting of licence proposed?: Yes

## Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Lower Derwent Valley Ramsar, River Derwent SAC.

## Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Lower Derwent Valley Ramsar</b>	<b>Yes</b>									
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Lower Derwent Valley SPA</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Lower Derwent Valley SAC</b>	<b>No</b>									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Lowland hay meadows ( <i>Alopecurus pratensis</i> , <i>Sanguisorba officinalis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>River Derwent SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Water courses of plain to montane levels with the <i>Ranunculion fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation	Yes	No	No	No	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Strensall Common SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Northern Atlantic wet heaths with <i>Erica tetralix</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Licence block: SE66

Granting of licence proposed?: Yes

## Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Lower Derwent Valley Ramsar.

## Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Lower Derwent Valley Ramsar</b>	<b>Yes</b>									
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes	Yes	
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Lower Derwent Valley SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Lower Derwent Valley SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Lowland hay meadows ( <i>Alopecurus pratensis</i> , <i>Sanguisorba officinalis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>River Derwent SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Water courses of plain to montane levels with the <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Strensall Common SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Northern Atlantic wet heaths with <i>Erica tetralix</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			

**Licence block: SE67a**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SPA</b>	<b>No</b>										
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>North York Moors SAC</b>	<b>No</b>										
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Strensall Common SAC</b>	<b>No</b>										
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SE68b**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SPA</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Merlin (Falco columbarius)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>North York Moors SAC</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE69**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: North York Moors SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SPA</b>	<b>Yes</b>										
Merlin (Falco columbarius)	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
European golden plover (Pluvialis apricaria)	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Arnecliff and Park Hole Woods SAC</b>	<b>No</b>										
Old sessile oak woods with Ilex and Blechnum in the British Isles	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Killarney fern (Trichomanes speciosum)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

Assessment of Effects on Relevant European Sites											
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SAC</b>	Yes										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	Yes	No	No	No	Yes	Yes	Yes	Yes			

**Licence block: SE72**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Lower Derwent Valley Ramsar, Thorne and Hatfield Moors SPA, Lower Derwent Valley SPA, Humber Estuary SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SAC.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Humber Estuary Ramsar, Lower Derwent Valley Ramsar, Thorne and Hatfield Moors SPA, Lower Derwent Valley SPA, Humber Estuary SPA, Humber Estuary SAC, River Derwent SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Humber Estuary Ramsar</b>	Yes									
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	Yes	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Lower Derwent Valley Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Thorne and Hatfield Moors SPA</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European nightjar ( <i>Caprimulgus europaeus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Lower Derwent Valley SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Humber Estuary SPA</b>	<b>Yes</b>									
Great bittern ( <i>Botaurus stellaris</i> )	No	No	No	No	Yes	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Great bittern ( <i>Botaurus stellaris</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Greater scaup ( <i>Aythya marila</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Mallard ( <i>Anas platyrhynchos</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ruff ( <i>Philomachus pugnax</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Whimbrel ( <i>Numenius phaeopus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common greenshank ( <i>Tringa nebularia</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ruddy turnstone ( <i>Arenaria interpres</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian marsh harrier ( <i>Circus aeruginosus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common goldeneye ( <i>Bucephala clangula</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Pied avocet ( <i>Recurvirostra avosetta</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common pochard ( <i>Aythya ferina</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Pied avocet ( <i>Recurvirostra avosetta</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Hen harrier ( <i>Circus cyaneus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Lower Derwent Valley SAC</b>	<b>No</b>										
Lowland hay meadows (Alopecurus pratensis, Sanguisorba officinalis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Thorne Moor SAC</b>	<b>No</b>										
Degraded raised bogs still capable of natural regeneration		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
<b>Humber Estuary SAC</b>	<b>Yes</b>										
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes		
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes		
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes		
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes		
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes		
Dunes with Hippophya rhamnoides		Yes	No	No	No	Yes	Yes	Yes	Yes		
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes		
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes		
Grey seal (Halichoerus grypus)		No	No	No	No	Yes	Yes	Yes	Yes		
<b>River Derwent SAC</b>	<b>Yes</b>										
Water courses of plain to montane levels with the Ranunculus fluitantis and Callitriche-Batrachion vegetation		Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Sea lamprey (Petromyzon marinus)		No	No	No	No	Yes	Yes	Yes	Yes		
River lamprey (Lampetra fluviatilis)		No	No	No	No	Yes	Yes	Yes	Yes		
Bullhead (Cottus gobio)		Yes	No	No	No	Yes	Yes	Yes	Yes		
Otter (Lutra lutra)		Yes	No	No	No	Yes	Yes	Yes	Yes		
<b>Skipwith Common SAC</b>	<b>No</b>										
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Humber Estuary Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Lower Derwent Valley Ramsar</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes		
<b>Lower Derwent Valley SPA</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Ruff (Philomachus pugnax)	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes		
Tundra swan (Cygnus columbianus bewickii)	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian wigeon (Anas penelope)	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian teal (Anas crecca)	No	No	No	No	Yes	Yes	Yes	Yes		
Northern shoveler (Anas clypeata)	No	No	No	No	Yes	Yes	Yes	Yes		
European golden plover (Pluvialis apricaria)	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Humber Estuary SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great bittern (Botaurus stellaris)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great bittern (Botaurus stellaris)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Greater scaup (Aythya marila)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mallard (Anas platyrhynchos)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover (Pluvialis squatarola)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern lapwing (Vanellus vanellus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot (Calidris canutus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot (Calidris canutus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling (Calidris alba)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling (Calidris alba)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin (Calidris alpina schinzii)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin (Calidris alpina schinzii)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruff (Philomachus pugnax)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover (Pluvialis squatarola)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit (Limosa limosa islandica)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit (Limosa limosa islandica)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit (Limosa lapponica)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Whimbrel (Numenius phaeopus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew (Numenius arquata)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common greenshank ( <i>Tringa nebularia</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian marsh harrier ( <i>Circus aeruginosus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common goldeneye ( <i>Bucephala clangula</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pied avocet ( <i>Recurvirostra avosetta</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common pochard ( <i>Aythya ferina</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pied avocet ( <i>Recurvirostra avosetta</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover ( <i>Charadrius hiaticula</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover ( <i>Charadrius hiaticula</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Hen harrier ( <i>Circus cyaneus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Lower Derwent Valley SAC</b>	<b>Yes</b>									
Lowland hay meadows ( <i>Alopecurus pratensis</i> , <i>Sanguisorba officinalis</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes	
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes	
<b>Humber Estuary SAC</b>	<b>No</b>									
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Embryonic shifting dunes	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with <i>Hippophae rhamnoides</i>	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey seal ( <i>Halichoerus grypus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>River Derwent SAC</b>	<b>Yes</b>										
Water courses of plain to montane levels with the Ranunculus fluitans and Callitriche-Batrachion vegetation	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Sea lamprey (Petromyzon marinus)	No	No	No	No	Yes	Yes	Yes	Yes			
River lamprey (Lampetra fluviatilis)	No	No	No	No	Yes	Yes	Yes	Yes			
Bullhead (Cottus gobio)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Otter (Lutra lutra)	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Skipwith Common SAC</b>	<b>No</b>										
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European dry heaths	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SE74**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Lower Derwent Valley Ramsar</b>	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Lower Derwent Valley SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Ruff ( <i>Philomachus pugnax</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Lower Derwent Valley SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Lowland hay meadows ( <i>Alopecurus pratensis</i> , <i>Sanguisorba officinalis</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>River Derwent SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with the <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation	Yes	No	No	No	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Skipwith Common SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Strensall Common SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE75**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Lower Derwent Valley Ramsar</b>	<b>Yes</b>									
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEIOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Lower Derwent Valley SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Ruff ( <i>Philomachus pugnax</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Lower Derwent Valley SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Lowland hay meadows ( <i>Alopecurus pratensis</i> , <i>Sanguisorba officinalis</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>River Derwent SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with the <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation	Yes	No	No	No	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Strensall Common SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE76**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Lower Derwent Valley Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Lower Derwent Valley SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Lower Derwent Valley SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Lowland hay meadows ( <i>Alopecurus pratensis</i> , <i>Sanguisorba officinalis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>River Derwent SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Water courses of plain to montane levels with the <i>Ranunculion fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation	Yes	No	No	No	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Strensall Common SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE77e**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEIOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>River Derwent SAC</b>	Yes									
Water courses of plain to montane levels with Ranunculion fluitantis and Callitriche-Batrachion vegetation	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
River lamprey ( <i>Lampetra fluviatilis</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Bullhead ( <i>Cottus gobio</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		

**Licence block: SE78f**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SPA</b>	<b>No</b>										
Merlin (Falco columbarius)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European golden plover (Pluvialis apricaria)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>North York Moors SAC</b>	<b>No</b>										
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SE79**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: North York Moors SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>North York Moors SPA</b>	<b>Yes</b>									
Merlin (Falco columbarius)	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
European golden plover (Pluvialis apricaria)	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Eller's Wood and Sand Dale SAC</b>	<b>No</b>									
Petrifying springs with tufa formation (Cratoneurion)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Geyer's whorl snail (Vertigo geyeri)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Arnecliff and Park Hole Woods SAC</b>	<b>No</b>									
Old sessile oak woods with Ilex and Blechnum in the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Killarney fern (Trichomanes speciosum)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Fen Bog SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE84**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Lower Derwent Valley Ramsar</b>	<b>No</b>									
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes	
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes	
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes	
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes	



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Lower Derwent Valley SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Lower Derwent Valley SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Lowland hay meadows ( <i>Alopecurus pratensis</i> , <i>Sanguisorba officinalis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>River Derwent SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Water courses of plain to montane levels with the <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE85**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Lower Derwent Valley SAC, River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Lower Derwent Valley Ramsar, Lower Derwent Valley SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Lower Derwent Valley Ramsar</b>	<b>No</b>									
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Lower Derwent Valley SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Lower Derwent Valley SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Lowland hay meadows ( <i>Alopecurus pratensis</i> , <i>Sanguisorba officinalis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>River Derwent SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Water courses of plain to montane levels with the <i>Ranunculon fluitantis</i> and <i>Callitricho-Batrachion</i> vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE86b**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>River Derwent SAC</b>	<b>No</b>									
Water courses of plain to montane levels with the <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey ( <i>Petromyzon marinus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey ( <i>Lampetra fluviatilis</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead ( <i>Cottus gobio</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter ( <i>Lutra lutra</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

**Licence block: SE87b**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Eller's Wood and Sand Dale SAC</b>	<b>No</b>										
Petrifying springs with tufa formation (Cratoneurion)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Geyer's whorl snail ( <i>Vertigo geyeri</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>River Derwent SAC</b>	<b>No</b>										
Water courses of plain to montane levels with the <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE87e**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>River Derwent SAC</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with the <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE88c**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA, River Derwent SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SPA</b>	<b>No</b>										
Merlin ( <i>Falco columbarius</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Eller's Wood and Sand Dale SAC</b>	<b>No</b>										
Petrifying springs with tufa formation ( <i>Cratoneurion</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Geyer's whorl snail ( <i>Vertigo geyeri</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>North York Moors SAC</b>	<b>No</b>										
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European dry heaths	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>River Derwent SAC</b>	<b>No</b>									
Water courses of plain to montane levels with the Ranunculus fluitans and Callitriche-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	



Licence block: SE95  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

**Licence block: SE96a**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>River Derwent SAC</b>	No										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sea lamprey ( <i>Petromyzon marinus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
River lamprey ( <i>Lampetra fluviatilis</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bullhead ( <i>Cottus gobio</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Otter ( <i>Lutra lutra</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SE97a**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Eller's Wood and Sand Dale SAC</b>	No										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Petrifying springs with tufa formation (Cratoneurion)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Geyer's whorl snail ( <i>Vertigo geyeri</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>River Derwent SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with the Ranunculus fluitantis and Callitriche-Batrachion vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sea lamprey (Petromyzon marinus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
River lamprey (Lampetra fluviatilis)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bullhead (Cottus gobio)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter (Lutra lutra)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Flamborough and Filey Coast pSPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake (Rissa tridactyla)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Gannet (Morus bassanus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common guillemot (Uria aalge albionis)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Razorbill (Alca torda islandica)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Seabird assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE97c**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are River Derwent SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>River Derwent SAC</b>	No										
Water courses of plain to montane levels with <i>Ranunculus fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Sea lamprey ( <i>Petromyzon marinus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
River lamprey ( <i>Lampetra fluviatilis</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bullhead ( <i>Cottus gobio</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Otter ( <i>Lutra lutra</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SE98c**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA; Flamborough and Filey Coast pSPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Derwent SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA, River Derwent SAC; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Merlin ( <i>Falco columbarius</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Eller's Wood and Sand Dale SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Petrifying springs with tufa formation (Cratoneurion)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Geyer's whorl snail (Vertigo geyeri)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>North York Moors SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>River Derwent SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with the Ranunculus fluitantis and Callitriche-Batrachion vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sea lamprey (Petromyzon marinus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
River lamprey (Lampetra fluviatilis)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bullhead (Cottus gobio)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter (Lutra lutra)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Flamborough and Filey Coast pSPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake (Rissa tridactyla)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Gannet (Morus bassanus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common guillemot (Uria aalge albonis)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Razorbill (Alca torda islandica)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Seabird assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SE99a**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: North York Moors SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Merlin (Falco columbarius)	No	No	No	No	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Eller's Wood and Sand Dale SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Petrifying springs with tufa formation (Cratoneurion)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Geyer's whorl snail (Vertigo geyeri)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Beast Cliff – Whitby (Robin Hood’s Bay) SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
<b>North York Moors SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Blanket bogs (priority feature if active bog)	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
<b>Fen Bog SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		

**Licence block: SJ56**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Mersey Estuary Ramsar, Mersey Estuary SPA.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Mersey Estuary Ramsar, Mersey Estuary SPA, River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Mersey Estuary Ramsar</b>	<b>No</b>									
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Midland Meres and Mosses Phase 1 Ramsar</b>	<b>No</b>										
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Midland Meres and Mosses Phase 2 Ramsar</b>	<b>Yes</b>										
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Mersey Estuary SPA</b>	<b>No</b>										
Common shelduck (Tadorna tadorna)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Eurasian wigeon (Anas penelope)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian teal (Anas crecca)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern pintail (Anas acuta)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ringed plover (Charadrius hiaticula)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover (Pluvialis squatarola)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern lapwing (Vanellus vanellus)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin (Calidris alpina schinzii)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank (Tringa totanus)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew (Numenius arquata)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank (Tringa totanus)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great crested grebe (Podiceps cristatus)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit (Limosa limosa islandica)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Oak Mere SAC</b>	<b>Yes</b>										
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Transition mires and quaking bogs	Yes	No	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>West Midlands Mosses SAC</b>	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Natural dystrophic lakes and ponds	Yes	No	No	No	Yes	Yes	Yes	Yes		
Transition mires and quaking bogs	Yes	No	No	No	Yes	Yes	Yes	Yes		
<b>River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC</b>	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with the Ranunculus fluitans and Callitriche-Batrachion vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sea lamprey (Petromyzon marinus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Brook lamprey (Lampetra planeri)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
River lamprey (Lampetra fluviatilis)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Atlantic salmon (Salmo salar)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bullhead (Cottus gobio)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Otter (Lutra lutra)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Floating water-plantain (Luronium natans)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SJ57**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Mersey Estuary Ramsar, Mersey Estuary SPA.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Mersey Estuary Ramsar, Mersey Estuary SPA, River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Mersey Estuary Ramsar</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Midland Meres and Mosses Phase 1 Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL - see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Midland meres and Mosses Phase 2 Ramsar</b>	<b>Yes</b>										
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Mersey Estuary SPA</b>	<b>No</b>										
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great crested grebe ( <i>Podiceps cristatus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Oak Mere SAC</b>	<b>No</b>										
Oligotrophic waters containing very few minerals of sandy plains ( <i>Littorelletalia uniflorae</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>West Midlands Mosses SAC</b>	<b>No</b>										
Natural dystrophic lakes and ponds	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>River Dee and Bala Lake/ Afon Dyfrdwy a Llyn Tegid SAC</b>	<b>No</b>										
Water courses of plain to montane levels with the <i>Ranunculus fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Brook lamprey ( <i>Lampetra planeri</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Atlantic salmon ( <i>Salmo salar</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bullhead ( <i>Cottus gobio</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Floating water-plantain ( <i>Luronium natans</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SJ64**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Midland meres and Mosses Phase 1 Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Midland Meres and Mosses Phase 2 Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Fenn's, Whixall, Bettisfield, Wem and Cadney Mosses SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Active raised bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Degraded raised bogs still capable of natural regeneration	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>West Midlands Mosses SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Natural dystrophic lakes and ponds	Yes	No	No	No	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Brown Moss SAC</b> Floating water-plantain ( <i>Luronium natans</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.



**Licence block: SJ65**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Midland meres and Mosses Phase 1 Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Midland meres and Mosses Phase 2 Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Oak Mere SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Oligotrophic waters containing very few minerals of sandy plains ( <i>Littorelletalia uniflorae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>West Midlands Mosses SAC</b>	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Natural dystrophic lakes and ponds	Yes	No	No	No	Yes	Yes	Yes	Yes		
Transition mires and quaking bogs	Yes	No	No	No	Yes	Yes	Yes	Yes		

Licence block: SJ66

Granting of licence proposed?: Yes

### Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

### Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

### Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Midland meres and Mosses Phase 1 Ramsar</b>	No										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Midland meres and Mosses Phase 2 Ramsar</b>	Yes										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Oak Mere SAC</b>	<b>No</b>										
Oligotrophic waters containing very few minerals of sandy plains ( <i>Littorelletalia uniflorae</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>West Midlands Mosses SAC</b>	<b>Yes</b>										
Natural dystrophic lakes and ponds	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Transition mires and quaking bogs	Yes	No	No	No	No	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Mersey Estuary Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Midland meres and Mosses Phase 1 Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Midland meres and Mosses Phase 2 Ramsar</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Rostherne Mere Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Mersey Estuary SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Ringed plover ( <i>Charadrius hiaticula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern lapwing ( <i>Vanellus vanellus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great crested grebe ( <i>Podiceps cristatus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Oak Mere SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Oligotrophic waters containing very few minerals of sandy plains ( <i>Littorelletalia uniflorae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
<b>West Midlands Mosses SAC</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Natural dystrophic lakes and ponds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
<b>Rixton Clay Pits SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great crested newt ( <i>Triturus cristatus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		

**Licence block: SJ75**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEIOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Midland Meres and Mosses Phase 1 Ramsar</b>	<b>Yes</b>									
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	No	Yes	Yes	Yes	Yes	



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Midland Meres and Mosses Phase 2 Ramsar</b>	<b>Yes</b>										<p>This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:</p> <ul style="list-style-type: none"> <li>- Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).</li> <li>- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.</li> </ul>
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
<b>West Midlands Mosses SAC</b>	<b>Yes</b>										<p>This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:</p> <ul style="list-style-type: none"> <li>- Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).</li> <li>- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.</li> </ul>
Natural dystrophic lakes and ponds	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Transition mires and quaking bogs	Yes	No	No	No	No	Yes	Yes	Yes	Yes		

**Licence block: SJ76**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Midland Meres and Mosses Phase 1 Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Midland Meres and Mosses Phase 2 Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>West Midlands Mosses SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Natural dystrophic lakes and ponds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SJ77**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Midland Meres and Mosses Phase 1 Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL - see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Midland Meres and Mosses Phase 2 Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Rostherne Mere Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>West Midlands Mosses SAC</b>	No										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Natural dystrophic lakes and ponds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Transition mires and quaking bogs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: SJ78**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Midland Meres and Mosses Phase 1 Ramsar</b>	Yes										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEIOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Rostherne Mere Ramsar</b> Criterion 1 - sites containing representative, rare or unique wetland types	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
<b>Manchester Mosses SAC</b> Degraded raised bogs still capable of natural regeneration	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Rixton Clay Pits SAC</b> Great crested newt ( <i>Triturus cristatus</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SJ84c

Granting of licence proposed?: Yes

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Midland Meres and Mosses Phase 1 Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Midland Meres and Mosses Phase 2 Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SK29**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Peak District Moors (South Pennine Moors Phase 1) SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Peak District Moors (South Pennine Moors Phase 1) SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian curlew ( <i>Numenius arquata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Short-eared owl ( <i>Asio flammeus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
European golden plover ( <i>Pluvialis apricaria</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Merlin ( <i>Falco columbarius</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>South Pennine Moors SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with <i>Erica tetralix</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	Yes	No	No	No	Yes	Yes	Yes	Yes			
Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles	Yes	No	No	No	Yes	Yes	Yes	Yes			



**Licence block: SK36a**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Peak District Moors (South Pennine Moors Phase 1) SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Dales SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA, Peak District Dales SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Peak District Moors (South Pennine Moors Phase 1) SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian curlew (Numenius arquata)	No	No	No	No	Yes	Yes	Yes	Yes			
Short-eared owl (Asio flammeus)	No	No	No	No	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	No	No	No	No	Yes	Yes	Yes	Yes			
Merlin (Falco columbarius)	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Gang Mine SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Calaminarian grasslands of the Violetalia calaminariae	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Peak District Dales SAC</b>	<b>No</b>										
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Calaminarian grasslands of the Violetalia calaminariae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Calcareous and calcshist screes of the montane to alpine levels (Thlaspietea rotundifolii)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Calcareous rocky slopes with chasmophytic vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
White-clawed (or Atlantic stream) crayfish (Austropotamobius pallipes)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Brook lamprey (Lampetra planeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Bee's Nest and Green Clay Pits SAC</b>	<b>No</b>										
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>South Pennine Moors SAC</b>	<b>Yes</b>										
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI - see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes		
Blanket bogs (priority feature if active bog)		Yes	No	No	No	Yes	Yes	Yes	Yes		
Transition mires and quaking bogs		Yes	No	No	No	Yes	Yes	Yes	Yes		
Old sessile oak woods with Ilex and Blechnum in the British Isles		Yes	No	No	No	Yes	Yes	Yes	Yes		

**Licence block: SK37**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Peak District Moors (South Pennine Moors Phase 1) SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Dales SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA, Peak District Dales SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Peak District Moors (South Pennine Moors Phase 1) SPA</b>	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian curlew ( <i>Numenius arquata</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Short-eared owl ( <i>Asio flammeus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Merlin ( <i>Falco columbarius</i> )	No	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Peak District Dales SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calaminarian grasslands of the Violetalia calaminariae	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calcareous and calcshist screes of the montane to alpine levels (Thlaspietea rotundifolii)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calcareous rocky slopes with chasmophytic vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
White-clawed (or Atlantic stream) crayfish (Austropotamobius pallipes)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Brook lamprey (Lampetra planeri)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bullhead (Cottus gobio)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>South Pennine Moors SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Northern Atlantic wet heaths with Erica tetralix	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	Yes	No	No	No	Yes	Yes	Yes	Yes			
Old sessile oak woods with Ilex and Blechnum in the British Isles	Yes	No	No	No	Yes	Yes	Yes	Yes			

**Licence block: SK38**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Dales SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA, Peak District Dales SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Peak District Moors (South Pennine Moors Phase 1) No SPA</b>	No									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian curlew (Numenius arquata)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Short-eared owl (Asio flammeus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Merlin (Falco columbarius)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Peak District Dales SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calaminarian grasslands of the <i>Violetalia calaminariae</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates ( <i>Festuco-Brometalia</i> ) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calcareous and calcshist screes of the montane to alpine levels ( <i>Thlaspietea rotundifolii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calcareous rocky slopes with chasmophytic vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
White-clawed (or Atlantic stream) crayfish ( <i>Austropotamobius pallipes</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Brook lamprey ( <i>Lampetra planeri</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>South Pennine Moors SAC</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SK39**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Peak District Moors (South Pennine Moors Phase 1) SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian curlew (Numenius arquata)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Short-eared owl (Asio flammeus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Merlin (Falco columbarius)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>South Pennine Moors SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old sessile oak woods with Ilex and Blechnum in the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

Licence block: SK43  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none



Licence block: SK45  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

**Licence block: SK46c**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Peak District Moors (South Pennine Moors Phase 1) SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian curlew (Numenius arquata)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Short-eared owl (Asio flammeus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Merlin (Falco columbarius)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>South Pennine Moors SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old sessile oak woods with Ilex and Blechnum in the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: SK47b**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Peak District Moors (South Pennine Moors Phase 1) SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Peak District Moors (South Pennine Moors Phase 1) SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Short-eared owl ( <i>Asio flammeus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Merlin ( <i>Falco columbarius</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>South Pennine Moors SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

Licence block: SK48

Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

*Designated Sites and Interest Features (present within the Licence Block or within 10km)*

**Is Euro. site within block?**

**Can Stage A, B, C or D activities be carried out without AEOI?**

**Notes**

*If activity is within European site?*

*If activity is outside European site?*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*none*

Licence block: SK49

Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

Licence block: SK52a  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

Licence block: SK53

Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

*Designated Sites and Interest Features (present within the Licence Block or within 10km)*

**Is Euro. site within block?**

**Can Stage A, B, C or D activities be carried out without AEOI?**

**Notes**

*If activity is within European site?*

*If activity is outside European site?*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*none*

**Licence block: SK55**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Birklands and Bilhaugh SAC Old acidophilous oak woods with Quercus robur on sandy plains	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.



**Licence block: SK56i**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Birklands and Bilhaugh SAC</b> Old acidophilous oak woods with Quercus robur on sandy plains	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

**Licence block: SK57c**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Birklands and Bilhaugh SAC Old acidophilous oak woods with Quercus robur on sandy plains	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SK58a

Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

*Designated Sites and Interest Features (present within the Licence Block or within 10km)*

**Is Euro. site within block?**

**Can Stage A, B, C or D activities be carried out without AEOI?**

**Notes**

*If activity is within European site?*

*If activity is outside European site?*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*none*

**Licence block: SK59b**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Thorne and Hatfield Moors SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Thorne and Hatfield Moors SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Thorne and Hatfield Moors SPA</b> European nightjar ( <i>Caprimulgus europaeus</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Hatfield Moor SAC</b> Degraded raised bogs still capable of natural regeneration	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

**Licence block: SK66b**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Birklands and Bilhaugh SAC</b>	Yes										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Old acidophilous oak woods with Quercus robur on sandy plains		Yes	No	No	No	Yes	Yes	Yes	Yes		

**Licence block: SK66c**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Birklands and Bilhaugh SAC Old acidophilous oak woods with Quercus robur on sandy plains	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

**Licence block: SK67a**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Birklands and Bilhaugh SAC Old acidophilous oak woods with Quercus robur on sandy plains	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

Licence block: SK72a

Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

*Designated Sites and Interest Features (present within the Licence Block or within 10km)*

**Is Euro. site within block?**

**Can Stage A, B, C or D activities be carried out without AEOI?**

**Notes**

*If activity is within European site?*

*If activity is outside European site?*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*none*



**Licence block: SK76b**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Birklands and Bilhaugh SAC</b> Old acidophilous oak woods with Quercus robur on sandy plains	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.



Licence block: SK86c  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

Licence block: SK87b  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none



Licence block: SK88b  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

Licence block: SK89e  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

Licence block: SK96  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none



Licence block: SK99a

Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Severn Estuary Ramsar</b>	<b>No</b>										
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Severn Estuary SPA</b>	<b>No</b>										
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Waterfowl assemblage	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Gadwall ( <i>Anas strepera</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Greater white-fronted goose ( <i>Anser albifrons albifrons</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>River Wye/ Afon Gwy SAC</b>	<b>Yes</b>										
Water courses of plain to montane levels with the <i>Ranunculus fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Transition mires and quaking bogs	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
White-clawed (or Atlantic stream) crayfish ( <i>Austropotamobius pallipes</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Brook lamprey ( <i>Lampetra planeri</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
River lamprey ( <i>Lampetra fluviatilis</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Allis shad ( <i>Alosa alosa</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Twait shad ( <i>Alosa fallax</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salmon ( <i>Salmo salar</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Bullhead ( <i>Cottus gobio</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Wye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC</b>	<b>Yes</b>										
Asperulo-Fagetum beech forests	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Tilio-Acerion forests of slopes, screes and ravines	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
<i>Taxus baccata</i> woods of the British Isles	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Lesser horseshoe bat ( <i>Rhinolophus hipposideros</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEIOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Severn Estuary/Môr Hafren SAC</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Estuaries	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Reefs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Twaite shad ( <i>Alosa fallax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Lesser horseshoe bat ( <i>Rhinolophus hipposideros</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Greater horseshoe bat ( <i>Rhinolophus ferrumequinum</i> )	No	No	No	No	Yes	Yes	Yes	Yes			



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Severn Estuary Ramsar</b>	<b>No</b>										
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Severn Estuary SPA</b>	<b>No</b>										
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Gadwall ( <i>Anas strepera</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater white-fronted goose ( <i>Anser albifrons albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>River Wye/ Afon Gwy SAC</b>	<b>Yes</b>										
Water courses of plain to montane levels with the <i>Ranunculus fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Transition mires and quaking bogs	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
White-clawed (or Atlantic stream) crayfish ( <i>Austropotamobius pallipes</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Brook lamprey ( <i>Lampetra planeri</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
River lamprey ( <i>Lampetra fluviatilis</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Allis shad ( <i>Alosa alosa</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Twait shad ( <i>Alosa fallax</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salmon ( <i>Salmo salar</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Bullhead ( <i>Cottus gobio</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Wye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC</b>	<b>Yes</b>										
Asperulo-Fagetum beech forests	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Tilio-Acerion forests of slopes, screes and ravines	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
<i>Taxus baccata</i> woods of the British Isles	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Lesser horseshoe bat ( <i>Rhinolophus hipposideros</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Severn Estuary/Môr Hafren SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Estuaries	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Reefs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Twaite shad ( <i>Alosa fallax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Lesser horseshoe bat ( <i>Rhinolophus hipposideros</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Greater horseshoe bat ( <i>Rhinolophus ferrumequinum</i> )	No	No	No	No	Yes	Yes	Yes	Yes			





## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Severn Estuary Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Walmore Common Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Walmore Common SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Severn Estuary SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	No	Yes	Yes	Yes	Yes		
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Gadwall ( <i>Anas strepera</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Greater white-fronted goose ( <i>Anser albifrons albifrons</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>River Wye/ Afon Gwy SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with the <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
White-clawed (or Atlantic stream) crayfish ( <i>Austropotamobius pallipes</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Brook lamprey ( <i>Lampetra planeri</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Allis shad ( <i>Alosa alosa</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Twaite shad ( <i>Alosa fallax</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Atlantic salmon ( <i>Salmo salar</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bullhead ( <i>Cottus gobio</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Wye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC</b>	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Asperulo-Fagetum beech forests	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Taxus baccata woods of the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Lesser horseshoe bat (Rhinolophus hipposideros)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Severn Estuary/Môr Hafren SAC</b>	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	Yes	Yes	Yes	Yes		
Estuaries	Yes	No	No	No	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	Yes	Yes	Yes	Yes		
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Yes	No	No	No	Yes	Yes	Yes	Yes		
Sea lamprey (Petromyzon marinus)	No	No	No	No	Yes	Yes	Yes	Yes		
River lamprey (Lampetra fluviatilis)	No	No	No	No	Yes	Yes	Yes	Yes		
Twait shad (Alosa fallax)	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC</b>	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Lesser horseshoe bat (Rhinolophus hipposideros)	No	No	No	No	Yes	Yes	Yes	Yes		
Greater horseshoe bat (Rhinolophus ferrumequinum)	No	No	No	No	Yes	Yes	Yes	Yes		

**Licence block: SO60b**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Walmore Common Ramsar, Walmore Common SPA, Severn Estuary SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.
- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystumod Dyffryn Gwy a Fforest y Ddena SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Walmore Common Ramsar, Walmore Common SPA, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Severn Estuary Ramsar</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	Yes	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Walmore Common Ramsar</b> Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Walmore Common SPA</b> Tundra swan (Cygnus columbianus bewickii)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Severn Estuary SPA</b> Dunlin (Calidris alpina schinzii) Waterfowl assemblage Tundra swan (Cygnus columbianus bewickii) Gadwall (Anas strepera) Common redshank (Tringa totanus) Greater white-fronted goose (Anser albifrons albifrons) Common shelduck (Tadorna tadorna)	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
<b>Severn Estuary/Môr Hafren SAC</b> Sandbanks which are slightly covered by sea water all the time Estuaries Mudflats and sandflats not covered by seawater at low tide Reefs Atlantic salt meadows (Glauco-Puccinellietalia maritimae) Sea lamprey (Petromyzon marinus) River lamprey (Lampetra fluviatilis) Twaite shad (Alosa fallax)	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
<b>Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Forest y Ddena SAC</b> Lesser horseshoe bat (Rhinolophus hipposideros) Greater horseshoe bat (Rhinolophus ferrumequinum)	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Severn Estuary Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Walmore Common Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Walmore Common SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Severn Estuary SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Gadwall ( <i>Anas strepera</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater white-fronted goose ( <i>Anser albifrons albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>River Wye/ Afon Gwy SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Water courses of plain to montane levels with the <i>Ranunculus fluitantis</i> and <i>Callitriche-Batrachion</i> vegetation	Yes	No	No	No	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	Yes	No	No	No	Yes	Yes	Yes	Yes			
White-clawed (or Atlantic stream) crayfish ( <i>Austropotamobius pallipes</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Brook lamprey ( <i>Lampetra planeri</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Allis shad ( <i>Alosa alosa</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Twait shad ( <i>Alosa fallax</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Atlantic salmon ( <i>Salmo salar</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Wye Valley Woodlands/ Coetiroedd Dyffryn Gwy SAC No</b>										
Asperulo-Fagetum beech forests	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Taxus baccata woods of the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Lesser horseshoe bat (Rhinolophus hipposideros)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Severn Estuary/Môr Hafren SAC No</b>										
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Estuaries	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Reefs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sea lamprey (Petromyzon marinus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
River lamprey (Lampetra fluviatilis)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Twait shad (Alosa fallax)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Wye Valley and Forest of Dean Bat Sites/ Safleoedd Ystlumod Dyffryn Gwy a Fforest y Ddena SAC Yes</b>										
Lesser horseshoe bat (Rhinolophus hipposideros)	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Greater horseshoe bat (Rhinolophus ferrumequinum)	No	No	No	No	Yes	Yes	Yes	Yes		

**Licence block: ST04**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.

- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Exmoor and Quantock Oakwoods SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Exmoor and Quantock Oakwoods SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Severn Estuary Ramsar</b>	<b>No</b>									
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Severn Estuary SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Gadwall ( <i>Anas strepera</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater white-fronted goose ( <i>Anser albifrons albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Severn Estuary/Môr Hafren SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Estuaries	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Reefs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Twait shad ( <i>Alosa fallax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Exmoor Heaths SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Exmoor and Quantock Oakwoods SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Barbastelle ( <i>Barbastella barbastellus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bechstein's bat ( <i>Myotis bechsteini</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter ( <i>Lutra lutra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: ST14**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.
- Otters (*Lutra lutra*) travel along rivers and their tributaries, and occasionally use semi-natural habitats beyond the riparian corridor, and so could be vulnerable to activities occurring outside the designated site itself. Land that is within 10km of a site supporting otters, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential to be used by otters) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Exmoor and Quantock Oakwoods SAC.
- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Exmoor and Quantock Oakwoods SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Severn Estuary Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Severn Estuary SPA</b>	<b>Yes</b>										
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Waterfowl assemblage	No	No	No	No	No	Yes	Yes	Yes	Yes		
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Gadwall ( <i>Anas strepera</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Greater white-fronted goose ( <i>Anser albifrons albifrons</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Severn Estuary/Môr Hafren SAC</b>	<b>Yes</b>										
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Estuaries	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Reefs	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
River lamprey ( <i>Lampetra fluviatilis</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Twaite shad ( <i>Alosa fallax</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Exmoor and Quantock Oakwoods SAC</b>	<b>Yes</b>										
Old sessile oak woods with <i>Ilex</i> and <i>Blechnum</i> in the British Isles	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Barbastelle ( <i>Barbastella barbastellus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Bechstein's bat ( <i>Myotis bechsteini</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Otter ( <i>Lutra lutra</i> )	Yes	No	No	No	No	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Severn Estuary Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Somerset Levels &amp; Moors Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Somerset Levels and Moors SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Tundra swan (Cygnus columbianus bewickii)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern lapwing (Vanellus vanellus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal (Anas crecca)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Severn Estuary SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Dunlin (Calidris alpina schinzii)	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Tundra swan (Cygnus columbianus bewickii)	No	No	No	No	Yes	Yes	Yes	Yes			
Gadwall (Anas strepera)	No	No	No	No	Yes	Yes	Yes	Yes			
Common redshank (Tringa totanus)	No	No	No	No	Yes	Yes	Yes	Yes			
Greater white-fronted goose (Anser albifrons albifrons)	No	No	No	No	Yes	Yes	Yes	Yes			
Common shelduck (Tadorna tadorna)	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Severn Estuary/Môr Hafren SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	Yes	Yes	Yes	Yes			
Estuaries	Yes	No	No	No	Yes	Yes	Yes	Yes			
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	Yes	Yes	Yes	Yes			
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes			
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Sea lamprey (Petromyzon marinus)	No	No	No	No	Yes	Yes	Yes	Yes			
River lamprey (Lampetra fluviatilis)	No	No	No	No	Yes	Yes	Yes	Yes			
Twait shad (Alosa fallax)	No	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Exmoor and Quantock Oakwoods SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Old sessile oak woods with Ilex and Blechnum in the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alluvial forests with Alnus glutinosa and Fraxinus excelsior (Alno-Padion, Alnion incanae, Salicion albae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Barbastelle (Barbastella barbastellus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bechstein's bat (Myotis bechsteini)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Otter (Lutra lutra)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Mendip Limestone Grasslands SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Caves not open to the public	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater horseshoe bat (Rhinolophus ferrumequinum)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: ST25**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Somerset Levels & Moors Ramsar, Somerset Levels and Moors SPA, Severn Estuary SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Severn Estuary Ramsar, Severn Estuary/Môr Hafren SAC.
- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North Somerset and Mendip Bats SAC, Mendip Limestone Grasslands SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Severn Estuary Ramsar, Somerset Levels & Moors Ramsar, Somerset Levels and Moors SPA, Severn Estuary SPA, Severn Estuary/Môr Hafren SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	Yes	No	No	No	Yes	Yes	Yes	Yes		

Assessment of Effects on Relevant European Sites											
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Somerset Levels &amp; Moors Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Somerset Levels and Moors SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Tundra swan (Cygnus columbianus bewickii)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern lapwing (Vanellus vanellus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal (Anas crecca)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Severn Estuary SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Dunlin (Calidris alpina schinzii)	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Tundra swan (Cygnus columbianus bewickii)	No	No	No	No	Yes	Yes	Yes	Yes			
Gadwall (Anas strepera)	No	No	No	No	Yes	Yes	Yes	Yes			
Common redshank (Tringa totanus)	No	No	No	No	Yes	Yes	Yes	Yes			
Greater white-fronted goose (Anser albifrons albifrons)	No	No	No	No	Yes	Yes	Yes	Yes			
Common shelduck (Tadorna tadorna)	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Severn Estuary/Môr Hafren SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	Yes	Yes	Yes	Yes			
Estuaries	Yes	No	No	No	Yes	Yes	Yes	Yes			
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	Yes	Yes	Yes	Yes			
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes			
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Sea lamprey (Petromyzon marinus)	No	No	No	No	Yes	Yes	Yes	Yes			
River lamprey (Lampetra fluviatilis)	No	No	No	No	Yes	Yes	Yes	Yes			
Twaite shad (Alosa fallax)	No	No	No	No	Yes	Yes	Yes	Yes			
<b>North Somerset and Mendip Bats SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Caves not open to the public	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater horseshoe bat (Rhinolophus ferrumequinum)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Mendip Limestone Grasslands SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Caves not open to the public	Yes	No	No	No	Yes	Yes	Yes	Yes			
Tilio-Acerion forests of slopes, screes and ravines	Yes	No	No	No	Yes	Yes	Yes	Yes			
Greater horseshoe bat (Rhinolophus ferrumequinum)	No	No	No	No	Yes	Yes	Yes	Yes			





## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Severn Estuary Ramsar</b>	<b>Yes</b>									<p>This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:</p> <ul style="list-style-type: none"> <li>- Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).</li> <li>- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.</li> </ul>
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	Yes	No	No	No	Yes	Yes	Yes	Yes		
<b>Somerset Levels &amp; Moors Ramsar</b>	<b>Yes</b>									
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes	<p>This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:</p> <ul style="list-style-type: none"> <li>- Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).</li> <li>- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.</li> </ul>	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Somerset Levels and Moors SPA</b>	<b>Yes</b>									<p>This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:</p> <ul style="list-style-type: none"> <li>- Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).</li> <li>- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.</li> </ul>
Tundra swan (Cygnus columbianus bewickii)	No	No	No	No	Yes	Yes	Yes	Yes		
Northern lapwing (Vanellus vanellus)	No	No	No	No	Yes	Yes	Yes	Yes		
European golden plover (Pluvialis apricaria)	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian teal (Anas crecca)	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Severn Estuary SPA</b>	<b>Yes</b>									<p>This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:</p> <ul style="list-style-type: none"> <li>- Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).</li> <li>- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.</li> </ul>
Dunlin (Calidris alpina schinzii)	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes		
Tundra swan (Cygnus columbianus bewickii)	No	No	No	No	Yes	Yes	Yes	Yes		
Gadwall (Anas strepera)	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank (Tringa totanus)	No	No	No	No	Yes	Yes	Yes	Yes		
Greater white-fronted goose (Anser albifrons albifrons)	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck (Tadorna tadorna)	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Severn Estuary/Môr Hafren SAC</b>	<b>Yes</b>									<p>This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:</p> <ul style="list-style-type: none"> <li>- Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).</li> <li>- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.</li> </ul>
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	Yes	Yes	Yes	Yes		
Estuaries	Yes	No	No	No	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	Yes	Yes	Yes	Yes		
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Yes	No	No	No	Yes	Yes	Yes	Yes		
Sea lamprey (Petromyzon marinus)	No	No	No	No	Yes	Yes	Yes	Yes		
River lamprey (Lampetra fluviatilis)	No	No	No	No	Yes	Yes	Yes	Yes		
Twaite shad (Alosa fallax)	No	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Mendip Woodlands SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
<b>North Somerset and Mendip Bats SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
Caves not open to the public	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
Lesser horseshoe bat (Rhinolophus hipposideros)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
Greater horseshoe bat (Rhinolophus ferrumequinum)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
<b>Mendip Limestone Grasslands SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
Caves not open to the public	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		
Greater horseshoe bat (Rhinolophus ferrumequinum)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Severn Estuary Ramsar</b>	<b>Yes</b>										
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Somerset Levels &amp; Moors Ramsar</b>	<b>No</b>										
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Somerset Levels and Moors SPA</b>	<b>No</b>										
Tundra swan (Cygnus columbianus bewickii)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Northern lapwing (Vanellus vanellus)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian teal (Anas crecca)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Severn Estuary SPA</b>	<b>Yes</b>										
Dunlin (Calidris alpina schinzii)	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Waterfowl assemblage	No	No	No	No	No	Yes	Yes	Yes	Yes		
Tundra swan (Cygnus columbianus bewickii)	No	No	No	No	No	Yes	Yes	Yes	Yes		
Gadwall (Anas strepera)	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank (Tringa totanus)	No	No	No	No	No	Yes	Yes	Yes	Yes		
Greater white-fronted goose (Anser albifrons albifrons)	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck (Tadorna tadorna)	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Severn Estuary/Môr Hafren SAC</b>	<b>Yes</b>										
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Estuaries	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Reefs	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Sea lamprey (Petromyzon marinus)	No	No	No	No	No	Yes	Yes	Yes	Yes		
River lamprey (Lampetra fluviatilis)	No	No	No	No	No	Yes	Yes	Yes	Yes		
Twait shad (Alosa fallax)	No	No	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Mendip Woodlands SAC</b>	<b>No</b>										
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
<b>North Somerset and Mendip Bats SAC</b>	<b>Yes</b>										
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Caves not open to the public		Yes	No	No	No	Yes	Yes	Yes	Yes		
Tilio-Acerion forests of slopes, screes and ravines		Yes	No	No	No	Yes	Yes	Yes	Yes		
Lesser horseshoe bat (Rhinolophus hipposideros)		No	No	No	No	Yes	Yes	Yes	Yes		
Greater horseshoe bat (Rhinolophus ferrumequinum)		No	No	No	No	Yes	Yes	Yes	Yes		
<b>Mendip Limestone Grasslands SAC</b>	<b>Yes</b>										
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes		
Caves not open to the public		Yes	No	No	No	Yes	Yes	Yes	Yes		
Tilio-Acerion forests of slopes, screes and ravines		Yes	No	No	No	Yes	Yes	Yes	Yes		
Greater horseshoe bat (Rhinolophus ferrumequinum)		No	No	No	No	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Severn Estuary Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 4 - supports plant/animal species at a critical stage in their life cycles, or provides refuge	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Severn Estuary SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Gadwall ( <i>Anas strepera</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Greater white-fronted goose ( <i>Anser albifrons albifrons</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Severn Estuary/Môr Hafren SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	Yes	Yes	Yes	Yes			
Estuaries	Yes	No	No	No	Yes	Yes	Yes	Yes			
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	Yes	Yes	Yes	Yes			
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes			
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
River lamprey ( <i>Lampetra fluviatilis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Twaite shad ( <i>Alosa fallax</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Mendip Woodlands SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>North Somerset and Mendip Bats SAC</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates ( <i>Festuco-Brometalia</i> ) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Caves not open to the public	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Lesser horseshoe bat ( <i>Rhinolophus hipposideros</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater horseshoe bat ( <i>Rhinolophus ferrumequinum</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Mendip Limestone Grasslands SAC</b>	<b>No</b>									
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Caves not open to the public	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Greater horseshoe bat (Rhinolophus ferrumequinum)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Licence block: ST84

Granting of licence proposed?: Yes

### Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Salisbury Plain SPA, River Avon SAC.

### Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Salisbury Plain SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Avon SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Mells Valley SAC, Chilmark Quarries SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Salisbury Plain SPA, River Avon SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

### Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Salisbury Plain SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian hobby ( <i>Falco subbuteo</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common quail ( <i>Coturnix coturnix</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Stone-curlew ( <i>Burhinus oedicnemus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Hen harrier ( <i>Circus cyaneus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Mells Valley SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates ( <i>Festuco-Brometalia</i> ) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Caves not open to the public	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater horseshoe bat ( <i>Rhinolophus ferrumequinum</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Salisbury Plain SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Juniperus communis formations on heaths or calcareous grasslands	Yes	No	No	No	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Marsh fritillary butterfly (Euphydryas (Eurodryas, Hypodryas) aurinia)	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>River Avon SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation	Yes	No	No	No	Yes	Yes	Yes	Yes			
Desmoulin's whorl snail (Vertigo moulinsiana)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Sea lamprey (Petromyzon marinus)	No	No	No	No	Yes	Yes	Yes	Yes			
Brook lamprey (Lampetra planeri)	No	No	No	No	Yes	Yes	Yes	Yes			
Atlantic salmon (Salmo salar)	No	No	No	No	Yes	Yes	Yes	Yes			
Bullhead (Cottus gobio)	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Chilmark Quarries SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Lesser horseshoe bat (Rhinolophus hipposideros)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater horseshoe bat (Rhinolophus ferrumequinum)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Barbastelle (Barbastella barbastellus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bechstein's bat (Myotis bechsteini)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Mendip Woodlands SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Licence block: ST85

Granting of licence proposed?: Yes

## Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Salisbury Plain SPA.

## Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Salisbury Plain SPA.

- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Avon SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Bath and Bradford-on-Avon Bats SAC, Mells Valley SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Salisbury Plain SPA, River Avon SAC.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Salisbury Plain SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian hobby (Falco subbuteo)	No	No	No	No	Yes	Yes	Yes	Yes			
Common quail (Coturnix coturnix)	No	No	No	No	Yes	Yes	Yes	Yes			
Stone-curlew (Burhinus oediconemus)	No	No	No	No	Yes	Yes	Yes	Yes			
Hen harrier (Circus cyaneus)	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Bath and Bradford-on-Avon Bats SAC</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Lesser horseshoe bat (Rhinolophus hipposideros)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater horseshoe bat (Rhinolophus ferrumequinum)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bechstein's bat (Myotis bechsteini)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Mells Valley SAC</b>	<b>No</b>										
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Caves not open to the public		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Salisbury Plain SAC</b>	<b>Yes</b>										
Juniperus communis formations on heaths or calcareous grasslands		Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI -- see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes		
Marsh fritillary butterfly (Euphydryas (Eurodryas, Hypodryas) aurinia)		Yes	No	No	No	Yes	Yes	Yes	Yes		
<b>River Avon SAC</b>	<b>No</b>										
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Desmoulin's whorl snail (Vertigo moulinsiana)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Brook lamprey (Lampetra planeri)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Atlantic salmon (Salmo salar)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bullhead (Cottus gobio)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Mendip Woodlands SAC</b>	<b>No</b>										
Tilio-Acerion forests of slopes, screes and ravines		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Salisbury Plain SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian hobby ( <i>Falco subbuteo</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common quail ( <i>Coturnix coturnix</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Stone-curlew ( <i>Burhinus oediconemus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Hen harrier ( <i>Circus cyaneus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Salisbury Plain SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Juniperus communis formations on heaths or calcareous grasslands	Yes	No	No	No	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates ( <i>Festuco-Brometalia</i> ) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Marsh fritillary butterfly ( <i>Euphydryas</i> ( <i>Eurodryas</i> , <i>Hypodryas</i> ) <i>aurinia</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>River Avon SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with the <i>Ranunculus fluitans</i> and <i>Callitriche-Batrachion</i> vegetation	Yes	No	No	No	Yes	Yes	Yes	Yes			
Desmoulin's whorl snail ( <i>Vertigo moulinsiana</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Brook lamprey ( <i>Lampetra planeri</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Atlantic salmon ( <i>Salmo salar</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Bullhead ( <i>Cottus gobio</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Chilmark Quarries SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Lesser horseshoe bat ( <i>Rhinolophus hipposideros</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater horseshoe bat ( <i>Rhinolophus ferrumequinum</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Barbastelle ( <i>Barbastella barbastellus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bechstein's bat ( <i>Myotis bechsteini</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Licence block: ST95

Granting of licence proposed?: Yes

## Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Salisbury Plain SPA.

## Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Salisbury Plain SPA.
- Riparian or estuarine habitats and species may be sensitive to impacts on tributary watercourses by activities. Land that is within 10km of a riparian or estuarine European site, and which is also within 200 metres of a contributory watercourse to that site, is considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are River Avon SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Salisbury Plain SPA, River Avon SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Salisbury Plain SPA</b>	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian hobby (Falco subbuteo)	No	No	No	No	Yes	Yes	Yes	Yes		
Common quail (Coturnix coturnix)	No	No	No	No	Yes	Yes	Yes	Yes		
Stone-curlew (Burhinus oedicecemus)	No	No	No	No	Yes	Yes	Yes	Yes		
Hen harrier (Circus cyaneus)	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Salisbury Plain SAC</b>	Yes									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Juniperus communis formations on heaths or calcareous grasslands	Yes	No	No	No	Yes	Yes	Yes	Yes		
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes		
Marsh fritillary butterfly (Euphydryas (Eurodryas, Hypodryas) aurinia)	Yes	No	No	No	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>River Avon SAC</b>	<b>No</b>									
Water courses of plain to montane levels with the Ranunculus fluitans and Callitriche-Batrachion vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Desmoulin's whorl snail (Vertigo moulinsiana)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sea lamprey (Petromyzon marinus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Brook lamprey (Lampetra planeri)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Atlantic salmon (Salmo salar)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bullhead (Cottus gobio)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	Yes	



# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Porton Down SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Stone-curlew ( <i>Burhinus oedicnemus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Salisbury Plain SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Eurasian hobby ( <i>Falco subbuteo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common quail ( <i>Coturnix coturnix</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Stone-curlew ( <i>Burhinus oedicnemus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Hen harrier ( <i>Circus cyaneus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Salisbury Plain SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Juniperus communis formations on heaths or calcareous grasslands	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates ( <i>Festuco-Brometalia</i> ) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Marsh fritillary butterfly ( <i>Euphydryas</i> ( <i>Eurodryas</i> , <i>Hypodryas</i> ) <i>aurinia</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			



# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>River Itchen SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with the Ranunculus fluitantis and Callitriche-Batrachion vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Southern damselfly (Coenagrion mercuriale)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
White-clawed (or Atlantic stream) crayfish (Austropotamobius pallipes)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Brook lamprey (Lampetra planeri)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Atlantic salmon (Salmo salar)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bullhead (Cottus gobio)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Otter (Lutra lutra)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Chichester and Langstone Harbour Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Chichester and Langstone Harbours SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sandwich tern ( <i>Sterna sandvicensis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Ringed plover ( <i>Charadrius hiaticula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Red-breasted merganser ( <i>Mergus serrator</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Wealden Heaths Phase 2 SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European nightjar ( <i>Caprimulgus europaeus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Wood lark ( <i>Lullula arborea</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dartford warbler ( <i>Sylvia undata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Ebernoe Common SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Atlantic acidophilous beech forests with Ilex and sometimes also Taxus in the shrublayer ( <i>Quercion roboretum</i> or <i>Ilici-Fagenion</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Barbastelle ( <i>Barbastella barbastellus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bechstein's bat ( <i>Myotis bechsteini</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>East Hampshire Hangers SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates ( <i>Festuco-Brometalia</i> ) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Asperulo-Fagetum beech forests	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tilio-Acerion forests of slopes, screes and ravines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Taxus baccata woods of the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Early gentian ( <i>Gentianella anglica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Kingley Vale SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Taxus baccata woods of the British Isles	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Rook Cliff SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Tilio-Acerion forests of slopes, screes and ravines	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Solent Maritime SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Estuaries	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Coastal lagoons	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Annual vegetation of drift lines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Perennial vegetation of stony banks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Salicornia and other annuals colonizing mud and sand	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Spartina swards (Spartinion maritimae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Desmoulin's whorl snail (Vertigo moulinsiana)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Butser Hill SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Taxus baccata woods of the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Duncton to Bignor Escarpment SAC</b> Asperulo-Fagetum beech forests	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Singleton and Cocking Tunnels SAC</b> Barbastelle (Barbastella barbastellus) Bechstein's bat (Myotis bechsteini)	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Arun Valley Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Chichester and Langstone Harbour Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Pagham Harbour Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Chichester and Langstone Harbours SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sandwich tern ( <i>Sterna sandvicensis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Ringed plover ( <i>Charadrius hiaticula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern shoveler ( <i>Anas clypeata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Red-breasted merganser ( <i>Mergus serrator</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Pagham Harbour SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Arun Valley SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Kingley Vale SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates ( <i>Festuco-Brometalia</i> ) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<i>Taxus baccata</i> woods of the British Isles	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Solent Maritime SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Estuaries	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Coastal lagoons	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Annual vegetation of drift lines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Perennial vegetation of stony banks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Salicornia and other annuals colonizing mud and sand	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<i>Spartina</i> swards ( <i>Spartinion maritimae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Desmoulin's whorl snail ( <i>Vertigo moulinsiana</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Duncton to Bignor Escarpment SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<i>Asperulo-Fagetum</i> beech forests	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Singleton and Cocking Tunnels SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Barbastelle ( <i>Barbastella barbastellus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bechstein's bat ( <i>Myotis bechsteini</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Arun Valley SAC</b> Ramshorn snail ( <i>Anisus vorticulus</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.



Assessment of Effects on Relevant European Sites											
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Dorset Heathlands Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco-communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heathlands SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Hen harrier (Circus cyaneus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Wood lark (Lullula arborea)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European nightjar (Caprimulgus europaeus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Merlin (Falco columbarius)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dartford warbler (Sylvia undata)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heaths SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the Rhynchosporion	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calcareous fens with Cladium mariscus and species of the Caricion davallianae	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with Quercus robur on sandy plains	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Southern damselfly (Coenagrion mercuriale)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great crested newt (Triturus cristatus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Cerne and Sydling Downs SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Marsh fritillary butterfly (Euphydryas, Eurodryas, Hypodryas) aurinia)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Holnest SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great crested newt (Triturus cristatus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			





## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Dorset Heathlands Ramsar</b>	<b>Yes</b>										
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Poole Harbour Ramsar</b>	<b>No</b>										
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heathlands SPA</b>	<b>Yes</b>										
Hen harrier ( <i>Circus cyaneus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Wood lark ( <i>Lullula arborea</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
European nightjar ( <i>Caprimulgus europaeus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Merlin ( <i>Falco columbarius</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Dartford warbler ( <i>Sylvia undata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Poole Harbour SPA</b>	<b>No</b>										
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Pied avocet ( <i>Recurvirostra avosetta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mediterranean gull ( <i>Larus melanocephalus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heaths SAC</b>	<b>Yes</b>										
Northern Atlantic wet heaths with <i>Erica tetralix</i>	Yes	No	No	No	Yes	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-laden soils ( <i>Molinion caeruleae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the Rhynchosporion	Yes	No	No	No	Yes	Yes	Yes	Yes			
Calcareous fens with <i>Cladium mariscus</i> and species of the <i>Caricion davallianae</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
Alkaline fens	Yes	No	No	No	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	Yes	No	No	No	Yes	Yes	Yes	Yes			
Southern damselfly ( <i>Coenagrion mercuriale</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Isle of Portland to Studland Cliffs SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Annual vegetation of drift lines	Yes	No	No	No	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Early gentian ( <i>Gentianella anglica</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>St Albans Head to Durlston Head SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater horseshoe bat ( <i>Rhinolophus ferrumequinum</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Early gentian ( <i>Gentianella anglica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic decalcified fixed dunes (Calluno-Ulicetea)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Humid dune slacks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Oligotrophic waters containing very few minerals of sandy plains ( <i>Littorelletalia uniflorae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Temperate Atlantic wet heaths with <i>Erica ciliaris</i> and <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<i>Molinia</i> meadows on calcareous, peaty or clayey-silt-aden soils ( <i>Molinion caeruleae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the <i>Rhynchosporion</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calcareous fens with <i>Cladium mariscus</i> and species of the <i>Caricion davallianae</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bog woodland	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Southern damselfly ( <i>Coenagrion mercuriale</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Studland to Portland SAC Reefs	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	<p>This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:</p> <ul style="list-style-type: none"> <li>- Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).</li> <li>- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.</li> </ul>



Assessment of Effects on Relevant European Sites											
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Dorset Heathlands Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Poole Harbour Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heathlands SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Hen harrier (Circus cyaneus)	No	No	No	No	Yes	Yes	Yes	Yes			
Wood lark (Lullula arborea)	No	No	No	No	Yes	Yes	Yes	Yes			
European nightjar (Caprimulgus europaeus)	No	No	No	No	Yes	Yes	Yes	Yes			
Merlin (Falco columbarius)	No	No	No	No	Yes	Yes	Yes	Yes			
Dartford warbler (Sylvia undata)	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Poole Harbour SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Pied avocet (Recurvirostra avosetta)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mediterranean gull (Larus melanocephalus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common tern (Sterna hirundo)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck (Tadorna tadorna)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Black-tailed godwit (Limosa limosa islandica)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heaths SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the Rhynchosporion	Yes	No	No	No	Yes	Yes	Yes	Yes			
Calcareous fens with Cladium mariscus and species of the Caricion davallianae	Yes	No	No	No	Yes	Yes	Yes	Yes			
Alkaline fens	Yes	No	No	No	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with Quercus robur on sandy plains	Yes	No	No	No	Yes	Yes	Yes	Yes			
Southern damselfly (Coenagrion mercuriale)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Great crested newt (Triturus cristatus)	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Isle of Portland to Studland Cliffs SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Annual vegetation of drift lines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC</b>	<b>No</b>									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern Atlantic wet heaths with Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Temperate Atlantic wet heaths with Erica ciliaris and Erica tetralix		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of the Caricion davallianae		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bog woodland		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Studland to Portland SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Dorset Heathlands Ramsar</b>	<b>No</b>										
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Poole Harbour Ramsar</b>	<b>No</b>										
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heathlands SPA</b>	<b>No</b>										
Hen harrier ( <i>Circus cyaneus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Wood lark ( <i>Lullula arborea</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European nightjar ( <i>Caprimulgus europaeus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Merlin ( <i>Falco columbarius</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dartford warbler ( <i>Sylvia undata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Poole Harbour SPA</b>	<b>No</b>										
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Pied avocet ( <i>Recurvirostra avosetta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mediterranean gull ( <i>Larus melanocephalus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heaths SAC</b>	<b>No</b>										
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-aden soils ( <i>Molinia caerulea</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the Rhynchosporion	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calcareous fens with <i>Cladium mariscus</i> and species of the <i>Caricion davallianae</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Southern damselfly ( <i>Coenagrion mercuriale</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Isle of Portland to Studland Cliffs SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Annual vegetation of drift lines	Yes	No	No	No	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Early gentian (Gentianella anglica)	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>St Albans Head to Durlston Head SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Greater horseshoe bat (Rhinolophus ferrumequinum)	No	No	No	No	Yes	Yes	Yes	Yes			
Early gentian (Gentianella anglica)	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Dorset Heaths (Purbeck and Wareham) and Studland No Dunes SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic decalcified fixed dunes (Calluno-Ulicetea)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Humid dune slacks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Temperate Atlantic wet heaths with Erica ciliaris and Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the Rhynchosporion	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calcareous fens with Cladium mariscus and species of the Caricion davallianae	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with Quercus robur on sandy plains	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bog woodland	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Southern damselfly (Coenagrion mercuriale)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great crested newt (Triturus cristatus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Studland to Portland SAC Reefs	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	<p>This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted:</p> <ul style="list-style-type: none"> <li>- Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above).</li> <li>- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.</li> </ul>



Assessment of Effects on Relevant European Sites											
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Dorset Heathlands Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Poole Harbour Ramsar</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heathlands SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Hen harrier (Circus cyaneus)	No	No	No	No	Yes	Yes	Yes	Yes			
Wood lark (Lullula arborea)	No	No	No	No	Yes	Yes	Yes	Yes			
European nightjar (Caprimulgus europaeus)	No	No	No	No	Yes	Yes	Yes	Yes			
Merlin (Falco columbarius)	No	No	No	No	Yes	Yes	Yes	Yes			
Dartford warbler (Sylvia undata)	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Poole Harbour SPA</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Pied avocet (Recurvirostra avosetta)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mediterranean gull (Larus melanocephalus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common tern (Sterna hirundo)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck (Tadorna tadorna)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Black-tailed godwit (Limosa limosa islandica)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heaths SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the Rhynchosporion	Yes	No	No	No	Yes	Yes	Yes	Yes			
Calcareous fens with Cladium mariscus and species of the Caricion davallianae	Yes	No	No	No	Yes	Yes	Yes	Yes			
Alkaline fens	Yes	No	No	No	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with Quercus robur on sandy plains	Yes	No	No	No	Yes	Yes	Yes	Yes			
Southern damselfly (Coenagrion mercuriale)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Great crested newt (Triturus cristatus)	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Isle of Portland to Studland Cliffs SAC</b>	<b>No</b>										This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Annual vegetation of drift lines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>St Albans Head to Durlston Head SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Greater horseshoe bat (Rhinolophus ferrumequinum)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes (Calluno-Ulicetea)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Northern Atlantic wet heaths with Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	
Temperate Atlantic wet heaths with Erica ciliaris and Erica tetralix		Yes	No	No	No	Yes	Yes	Yes	Yes	
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	
Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion		Yes	No	No	No	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of the Caricion davallianae		Yes	No	No	No	Yes	Yes	Yes	Yes	
Alkaline fens		Yes	No	No	No	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains		Yes	No	No	No	Yes	Yes	Yes	Yes	
Bog woodland		Yes	No	No	No	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)		Yes	No	No	No	Yes	Yes	Yes	Yes	
<b>Studland to Portland SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Dorset Heathlands Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Poole Harbour Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Dorset Heathlands SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Hen harrier ( <i>Circus cyaneus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Wood lark ( <i>Lullula arborea</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
European nightjar ( <i>Caprimulgus europaeus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Merlin ( <i>Falco columbarius</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Dartford warbler ( <i>Sylvia undata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Poole Harbour SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Pied avocet ( <i>Recurvirostra avosetta</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Mediterranean gull ( <i>Larus melanocephalus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Dorset Heaths SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with <i>Erica tetralix</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-aden soils ( <i>Molinion caeruleae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the <i>Rhynchosporion</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
Calcareous fens with <i>Cladium mariscus</i> and species of the <i>Caricion davallianae</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
Alkaline fens	Yes	No	No	No	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	Yes	No	No	No	Yes	Yes	Yes	Yes			
Southern damselfly ( <i>Coenagrion mercuriale</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Isle of Portland to Studland Cliffs SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Annual vegetation of drift lines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Early gentian (Gentianella anglica)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes	Yes	No	No	No	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic decalcified fixed dunes (Calluno-Ulicetea)	Yes	No	No	No	Yes	Yes	Yes	Yes		
Humid dune slacks	Yes	No	No	No	Yes	Yes	Yes	Yes		
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)	Yes	No	No	No	Yes	Yes	Yes	Yes		
Northern Atlantic wet heaths with Erica tetralix	Yes	No	No	No	Yes	Yes	Yes	Yes		
Temperate Atlantic wet heaths with Erica ciliaris and Erica tetralix	Yes	No	No	No	Yes	Yes	Yes	Yes		
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes		
Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	Yes	No	No	No	Yes	Yes	Yes	Yes		
Depressions on peat substrates of the Rhynchosporion	Yes	No	No	No	Yes	Yes	Yes	Yes		
Calcareous fens with Cladium mariscus and species of the Caricion davallianae	Yes	No	No	No	Yes	Yes	Yes	Yes		
Alkaline fens	Yes	No	No	No	Yes	Yes	Yes	Yes		
Old acidophilous oak woods with Quercus robur on sandy plains	Yes	No	No	No	Yes	Yes	Yes	Yes		
Bog woodland	Yes	No	No	No	Yes	Yes	Yes	Yes		
Southern damselfly (Coenagrion mercuriale)	Yes	No	No	No	Yes	Yes	Yes	Yes		
Great crested newt (Triturus cristatus)	Yes	No	No	No	Yes	Yes	Yes	Yes		
<b>Studland to Portland SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Reefs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		





## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Dorset Heathlands Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Poole Harbour Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heathlands SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Hen harrier ( <i>Circus cyaneus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Wood lark ( <i>Lullula arborea</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European nightjar ( <i>Caprimulgus europaeus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Merlin ( <i>Falco columbarius</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dartford warbler ( <i>Sylvia undata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Poole Harbour SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Pied avocet ( <i>Recurvirostra avosetta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Mediterranean gull ( <i>Larus melanocephalus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heaths SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-laden soils ( <i>Molinion caeruleae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the Rhynchosporion	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calcareous fens with <i>Cladium mariscus</i> and species of the <i>Caricion davallianae</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Southern damselfly ( <i>Coenagrion mercuriale</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Isle of Portland to Studland Cliffs SAC</b>	<b>Yes</b>									
Annual vegetation of drift lines	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	Yes	Yes	Yes	Yes		
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes		
Early gentian (Gentianella anglica)	Yes	No	No	No	Yes	Yes	Yes	Yes		
<b>St Albans Head to Durlston Head SAC</b>	<b>Yes</b>									
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes		
Greater horseshoe bat (Rhinolophus ferrumequinum)	No	No	No	No	Yes	Yes	Yes	Yes		
Early gentian (Gentianella anglica)	Yes	No	No	No	Yes	Yes	Yes	Yes		
<b>Dorset Heaths (Purbeck and Wareham) and Studland No Dunes SAC</b>	<b>No</b>									
Embryonic shifting dunes	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic decalcified fixed dunes (Calluno-Ulicetea)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Temperate Atlantic wet heaths with Erica ciliaris and Erica tetralix	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
European dry heaths	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Molinia meadows on calcareous, peaty or clayey-silt-laden soils (Molinion caeruleae)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Depressions on peat substrates of the Rhynchosporion	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Calcareous fens with Cladium mariscus and species of the Caricion davallianae	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Alkaline fens	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Old acidophilous oak woods with Quercus robur on sandy plains	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bog woodland	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Southern damselfly (Coenagrion mercuriale)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Great crested newt (Triturus cristatus)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Studland to Portland SAC Reefs	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	<p>This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted:</p> <ul style="list-style-type: none"> <li>- Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above).</li> <li>- for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.</li> </ul>



## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEIOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Dorset Heathlands Ramsar</b>	<b>Yes</b>										
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Poole Harbour Ramsar</b>	<b>Yes</b>										
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Dorset Heathlands SPA</b>	<b>Yes</b>										
Hen harrier ( <i>Circus cyaneus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Wood lark ( <i>Lullula arborea</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
European nightjar ( <i>Caprimulgus europaeus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Merlin ( <i>Falco columbarius</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Dartford warbler ( <i>Sylvia undata</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Poole Harbour SPA</b>	<b>Yes</b>										
Waterfowl assemblage	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEIOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Pied avocet ( <i>Recurvirostra avosetta</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Mediterranean gull ( <i>Larus melanocephalus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common tern ( <i>Sterna hirundo</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Dorset Heaths SAC</b>	<b>No</b>										
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European dry heaths	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Molinia meadows on calcareous, peaty or clayey-silt-aden soils ( <i>Molinion caeruleae</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Depressions on peat substrates of the Rhynchosporion	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Calcareous fens with <i>Cladium mariscus</i> and species of the <i>Caricion davallianae</i>	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Alkaline fens	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Southern damselfly ( <i>Coenagrion mercuriale</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great crested newt ( <i>Triturus cristatus</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Isle of Portland to Studland Cliffs SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Annual vegetation of drift lines	Yes	No	No	No	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Early gentian ( <i>Gentianella anglica</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>St Albans Head to Durlston Head SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Greater horseshoe bat ( <i>Rhinolophus ferrumequinum</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Early gentian ( <i>Gentianella anglica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes	Yes	No	No	No	Yes	Yes	Yes	Yes			
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes			
Atlantic decalcified fixed dunes (Calluno-Ulicetea)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Humid dune slacks	Yes	No	No	No	Yes	Yes	Yes	Yes			
Oligotrophic waters containing very few minerals of sandy plains ( <i>Littorelletalia uniflorae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Northern Atlantic wet heaths with <i>Erica tetralix</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
Temperate Atlantic wet heaths with <i>Erica ciliaris</i> and <i>Erica tetralix</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
<i>Molinia</i> meadows on calcareous, peaty or clayey-silt-laden soils ( <i>Molinion caeruleae</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the <i>Rhynchosporion</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
Calcareous fens with <i>Cladium mariscus</i> and species of the <i>Caricion davallianae</i>	Yes	No	No	No	Yes	Yes	Yes	Yes			
Alkaline fens	Yes	No	No	No	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	Yes	No	No	No	Yes	Yes	Yes	Yes			
Bog woodland	Yes	No	No	No	Yes	Yes	Yes	Yes			
Southern damselfly ( <i>Coenagrion mercuriale</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Studland to Portland SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes			





## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Avon Valley Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heathlands Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Poole Harbour Ramsar</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>New Forest Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heathlands SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Hen harrier ( <i>Circus cyaneus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Wood lark ( <i>Lullula arborea</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
European nightjar ( <i>Caprimulgus europaeus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Merlin ( <i>Falco columbarius</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Dartford warbler ( <i>Sylvia undata</i> )	No	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Poole Harbour SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
Pied avocet ( <i>Recurvirostra avosetta</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Mediterranean gull ( <i>Larus melanocephalus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>New Forest SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Wood warbler ( <i>Phylloscopus sibilatrix</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian hobby ( <i>Falco subbuteo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Hen harrier ( <i>Circus cyaneus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European honey-buzzard ( <i>Pernis apivorus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European nightjar ( <i>Caprimulgus europaeus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dartford warbler ( <i>Sylvia undata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Wood lark ( <i>Lullula arborea</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Avon Valley SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Gadwall ( <i>Anas strepera</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>The New Forest SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Oligotrophic waters containing very few minerals of sandy plains ( <i>Littorelletalia uniflorae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Oligotrophic to mesotrophic standing waters with vegetation of the <i>Littorelletea uniflorae</i> and/or of the <i>Isoëto-Nanojuncetea</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<i>Molinia</i> meadows on calcareous, peaty or clayey-silt-aden soils ( <i>Molinion caeruleae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the <i>Rhynchosporion</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic acidophilous beech forests with <i>Ilex</i> and sometimes also <i>Taxus</i> in the shrublayer ( <i>Quercion roboretraeae</i> or <i>Ilici-Fagenion</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<i>Asperulo-Fagetum</i> beech forests	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bog woodland	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Southern damselfly ( <i>Coenagrion mercuriale</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Stag beetle ( <i>Lucanus cervus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>River Avon SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Water courses of plain to montane levels with the Ranunculion fluitantis and Callitriche-Batrachion vegetation	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Desmoulin's whorl snail (Vertigo moulinsiana)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Sea lamprey (Petromyzon marinus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Brook lamprey (Lampetra planeri)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic salmon (Salmo salar)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bullhead (Cottus gobio)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heaths SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	Yes	No	No	No	Yes	Yes	Yes	Yes			
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-aden soils (Molinion caeruleae)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the Rhynchosporion	Yes	No	No	No	Yes	Yes	Yes	Yes			
Calcareous fens with Cladium mariscus and species of the Caricion davallianae	Yes	No	No	No	Yes	Yes	Yes	Yes			
Alkaline fens	Yes	No	No	No	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with Quercus robur on sandy plains	Yes	No	No	No	Yes	Yes	Yes	Yes			
Southern damselfly (Coenagrion mercuriale)	Yes	No	No	No	Yes	Yes	Yes	Yes			
Great crested newt (Triturus cristatus)	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Isle of Portland to Studland Cliffs SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Annual vegetation of drift lines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Early gentian (Gentianella anglica)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Dorset Heaths (Purbeck and Wareham) and Studland Dunes SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic decalcified fixed dunes (Calluno-Ulicetea)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Humid dune slacks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Oligotrophic waters containing very few minerals of sandy plains (Littorelletalia uniflorae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Temperate Atlantic wet heaths with Erica ciliaris and Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-aden soils (Molinion caeruleae)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the Rhynchosporion	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Calcareous fens with Cladium mariscus and species of the Caricion davallianae	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with Quercus robur on sandy plains	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bog woodland	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Southern damselfly (Coenagrion mercuriale)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great crested newt (Triturus cristatus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Studland to Portland SAC Reefs	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.

**Licence block: SZ38a**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Solent & Southampton Water Ramsar, Solent and Southampton Water SPA.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, New Forest SPA, Solent and Southampton Water SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, Solent and Isle of Wight Lagoons SAC, Solent Maritime SAC, South Wight Maritime SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Solent & Southampton Water Ramsar, New Forest SPA, Solent and Southampton Water SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Solent &amp; Southampton Water Ramsar</b>	Yes										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>New Forest Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>New Forest SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Wood warbler ( <i>Phylloscopus sibilatrix</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian hobby ( <i>Falco subbuteo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Hen harrier ( <i>Circus cyaneus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European honey-buzzard ( <i>Pernis apivorus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European nightjar ( <i>Caprimulgus europaeus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dartford warbler ( <i>Sylvia undata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Wood lark ( <i>Lullula arborea</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Solent and Southampton Water SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandwich tern ( <i>Sterna sandvicensis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Mediterranean gull ( <i>Larus melanocephalus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Little tern ( <i>Sterna albifrons</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Roseate tern ( <i>Sterna dougallii</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
<b>The New Forest SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Oligotrophic waters containing very few minerals of sandy plains ( <i>Littorelletalia uniflorae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Oligotrophic to mesotrophic standing waters with vegetation of the <i>Littorelletea uniflorae</i> and/or of the <i>Isoëto-Nanojuncetea</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-adene soils ( <i>Molinion caeruleae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the <i>Rhynchosporion</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic acidophilous beech forests with <i>Ilex</i> and sometimes also <i>Taxus</i> in the shrublayer ( <i>Quercion roboretraeae</i> or <i>Ilici-Fagenion</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Asperulo-Fagetum beech forests	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bog woodland	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Southern damselfly ( <i>Coenagrion mercuriale</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Stag beetle ( <i>Lucanus cervus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Isle of Wight Downs SAC</b>	<b>Yes</b>									
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
<b>Solent and Isle of Wight Lagoons SAC</b>	<b>No</b>									
Coastal lagoons	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Solent Maritime SAC</b>	<b>Yes</b>									
Sandbanks which are slightly covered by sea water all the time	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Mudflats and sandflats not covered by seawater at low tide	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Coastal lagoons	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Annual vegetation of drift lines	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Spartina swards (Spartinion maritimae)	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Desmoulin's whorl snail (Vertigo moulinsiana)	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
<b>South Wight Maritime SAC</b>	<b>Yes</b>									
Reefs	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Submerged or partially submerged sea caves	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	





# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

<b>Solent &amp; Southampton Water Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>Solent and Southampton Water SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandwich tern ( <i>Sterna sandvicensis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mediterranean gull ( <i>Larus melanocephalus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Roseate tern ( <i>Sterna dougallii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>Isle of Wight Downs SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Semi-natural dry grasslands and scrubland facies on calcareous substrates ( <i>Festuco-Brometalia</i> ) (* important orchid sites)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Early gentian ( <i>Gentianella anglica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>Solent Maritime SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Estuaries	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Coastal lagoons	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Annual vegetation of drift lines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Perennial vegetation of stony banks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Salicornia and other annuals colonizing mud and sand	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Spartina swards ( <i>Spartina maritima</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Desmoulin's whorl snail ( <i>Vertigo moulinsiana</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>South Wight Maritime SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes		
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	Yes	Yes	Yes	Yes		
Submerged or partially submerged sea caves	Yes	No	No	No	Yes	Yes	Yes	Yes		

# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

<b>Bridlesford Copses SAC</b> Bechstein's bat ( <i>Myotis bechsteini</i> )	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
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## Licence block: SZ48

Granting of licence proposed?: Yes

### Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Solent & Southampton Water Ramsar, Solent and Southampton Water SPA.

### Advice proposed with the licence

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, New Forest SPA, Solent and Southampton Water SPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Solent & Southampton Water Ramsar, Solent and Isle of Wight Lagoons SAC, Solent Maritime SAC, South Wight Maritime SAC.

- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Bridesford Copses SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Solent & Southampton Water Ramsar, New Forest SPA, Solent and Southampton Water SPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

### Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Solent &amp; Southampton Water Ramsar</b>	Yes										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>New Forest Ramsar</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>New Forest SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Wood warbler ( <i>Phylloscopus sibilatrix</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Eurasian hobby ( <i>Falco subbuteo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Hen harrier ( <i>Circus cyaneus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European honey-buzzard ( <i>Pernis apivorus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European nightjar ( <i>Caprimulgus europaeus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Dartford warbler ( <i>Sylvia undata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Wood lark ( <i>Lullula arborea</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Solent and Southampton Water SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandwich tern ( <i>Sterna sandvicensis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Mediterranean gull ( <i>Larus melanocephalus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Little tern ( <i>Sterna albifrons</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common tern ( <i>Sterna hirundo</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Roseate tern ( <i>Sterna dougallii</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes			
<b>The New Forest SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Oligotrophic waters containing very few minerals of sandy plains ( <i>Littorelletalia uniflorae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Oligotrophic to mesotrophic standing waters with vegetation of the <i>Littorelletea uniflorae</i> and/or of the <i>Isoëto-Nanojuncetea</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Northern Atlantic wet heaths with <i>Erica tetralix</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Molinia meadows on calcareous, peaty or clayey-silt-aden soils ( <i>Molinion caeruleae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Transition mires and quaking bogs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Depressions on peat substrates of the <i>Rhynchosporion</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alkaline fens	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Atlantic acidophilous beech forests with <i>Ilex</i> and sometimes also <i>Taxus</i> in the shrublayer ( <i>Quercion robori-petraeae</i> or <i>Ilici-Fagenion</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Asperulo-Fagetum beech forests	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Old acidophilous oak woods with <i>Quercus robur</i> on sandy plains	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Bog woodland	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> ( <i>Alno-Padion</i> , <i>Alnion incanae</i> , <i>Salicion albae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Southern damselfly ( <i>Coenagrion mercuriale</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Stag beetle ( <i>Lucanus cervus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Great crested newt ( <i>Triturus cristatus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Isle of Wight Downs SAC</b>	<b>Yes</b>									
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
European dry heaths		Yes	No	No	No	Yes	Yes	Yes	Yes	
Semi-natural dry grasslands and scrubland facies on calcareous substrates (Festuco-Brometalia) (* important orchid sites)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Early gentian (Gentianella anglica)		Yes	No	No	No	Yes	Yes	Yes	Yes	
<b>Solent and Isle of Wight Lagoons SAC</b>	<b>No</b>									
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Solent Maritime SAC</b>	<b>Yes</b>									
Sandbanks which are slightly covered by sea water all the time		Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries		Yes	No	No	No	Yes	Yes	Yes	Yes	
Mudflats and sandflats not covered by seawater at low tide		Yes	No	No	No	Yes	Yes	Yes	Yes	
Coastal lagoons		Yes	No	No	No	Yes	Yes	Yes	Yes	
Annual vegetation of drift lines		Yes	No	No	No	Yes	Yes	Yes	Yes	
Perennial vegetation of stony banks		Yes	No	No	No	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		Yes	No	No	No	Yes	Yes	Yes	Yes	
Spartina swards (Spartinion maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritimae)		Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Desmoulin's whorl snail (Vertigo moulinsiana)		Yes	No	No	No	Yes	Yes	Yes	Yes	
<b>South Wight Maritime SAC</b>	<b>Yes</b>									
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	
Submerged or partially submerged sea caves		Yes	No	No	No	Yes	Yes	Yes	Yes	
<b>Bridlesford Copses SAC</b>	<b>No</b>									
Bechstein's bat (Myotis bechsteini)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.



# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Solent &amp; Southampton Water Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Solent and Southampton Water SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandwich tern ( <i>Sterna sandvicensis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mediterranean gull ( <i>Larus melanocephalus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Roseate tern ( <i>Sterna dougallii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Isle of Wight Downs SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	Yes	Yes	Yes	Yes		
European dry heaths	Yes	No	No	No	Yes	Yes	Yes	Yes		
Semi-natural dry grasslands and scrubland facies on calcareous substrates ( <i>Festuco-Brometalia</i> ) (* important orchid sites)	Yes	No	No	No	Yes	Yes	Yes	Yes		
Early gentian ( <i>Gentianella anglica</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
<b>Solent and Isle of Wight Lagoons SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Coastal lagoons	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Solent Maritime SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Estuaries	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Coastal lagoons	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Annual vegetation of drift lines	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Perennial vegetation of stony banks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Salicornia and other annuals colonizing mud and sand	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Spartina swards ( <i>Spartinion maritimae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritimae</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Desmoulin's whorl snail (Vertigo moulinsiana)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>South Wight Maritime SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs		Yes	No	No	No	Yes	Yes	Yes	Yes	
Vegetated sea cliffs of the Atlantic and Baltic Coasts		Yes	No	No	No	Yes	Yes	Yes	Yes	
Submerged or partially submerged sea caves		Yes	No	No	No	Yes	Yes	Yes	Yes	
<b>Bridlesford Copses SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Bechstein's bat (Myotis bechsteini)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	



**Licence block: SZ58**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Solent & Southampton Water Ramsar, Solent and Southampton Water SPA, Briddlesford Copses SAC.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Portsmouth Harbour Ramsar, Solent & Southampton Water Ramsar, Portsmouth Harbour SPA, Solent and Southampton Water SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Portsmouth Harbour Ramsar, Solent & Southampton Water Ramsar, Solent and Isle of Wight Lagoons SAC, Solent Maritime SAC, South Wight Maritime SAC.
- Bat species usually rely on non-designated habitats beyond the European site boundaries (bats can commute and forage for many kilometres beyond their core habitat), and so could be vulnerable to activities occurring outside the designated site itself. Land within the 10km of an SAC designated for its bat populations is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Briddlesford Copses SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Portsmouth Harbour Ramsar, Solent & Southampton Water Ramsar, Portsmouth Harbour SPA, Solent and Southampton Water SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Portsmouth Harbour Ramsar</b>	No									
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Solent &amp; Southampton Water Ramsar</b>	<b>Yes</b>										
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Portsmouth Harbour SPA</b>	<b>No</b>										
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red-breasted merganser ( <i>Mergus serrator</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Solent and Southampton Water SPA</b>	<b>Yes</b>										
Sandwich tern ( <i>Sterna sandvicensis</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.	
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Mediterranean gull ( <i>Larus melanocephalus</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Common tern ( <i>Sterna hirundo</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Roseate tern ( <i>Sterna dougallii</i> )	No	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Isle of Wight Downs SAC</b>	<b>No</b>										
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
European dry heaths	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Semi-natural dry grasslands and scrubland facies on calcareous substrates ( <i>Festuco-Brometalia</i> ) (* important orchid sites)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Early gentian ( <i>Gentianella anglica</i> )	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Solent and Isle of Wight Lagoons SAC</b> Coastal lagoons	No	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
<b>Solent Maritime SAC</b> Sandbanks which are slightly covered by sea water all the time Estuaries Mudflats and sandflats not covered by seawater at low tide Coastal lagoons Annual vegetation of drift lines Perennial vegetation of stony banks Salicornia and other annuals colonizing mud and sand Spartina swards (Spartinion maritimae) Atlantic salt meadows (Glauco-Puccinellietalia maritimae) Shifting dunes along the shoreline with Ammophila arenaria ("white dunes") Desmoulin's whorl snail (Vertigo moulinsiana)	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
<b>South Wight Maritime SAC</b> Reefs Vegetated sea cliffs of the Atlantic and Baltic Coasts Submerged or partially submerged sea caves	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
<b>Bridlesford Copses SAC</b> Bechstein's bat (Myotis bechsteini)	Yes	No	No	No	No	Yes	Yes	Yes	Yes	This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.

**Licence block: TA05**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Hornsea Mere SPA.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project level operations. The European sites with features potentially vulnerable to this in or near this block are Hornsea Mere SPA.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Hornsea Mere SPA</b>	No										
Gadwall (Anas strepera)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Mute swan (Cygnus olor)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: TA06b**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEIOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Flamborough Head and Bempton Cliffs SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake ( <i>Rissa tridactyla</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Flamborough Head SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Reefs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Submerged or partially submerged sea caves	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Flamborough and Filey Coast pSPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake ( <i>Rissa tridactyla</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Gannet ( <i>Morus bassanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common guillemot ( <i>Uria aalge albonis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Razorbill ( <i>Alca torda islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Seabird assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: TA07a**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEIOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
Flamborough Head and Bempton Cliffs SPA	No										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEIOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged Kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Flamborough Head SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Reefs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Submerged or partially submerged sea caves	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Flamborough and Filey Coast pSPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake ( <i>Rissa tridactyla</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Gannet ( <i>Morus bassanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common guillemot ( <i>Uria aalge albonis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Razorbill ( <i>Alca torda islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Seabird assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			



## Licence block: TA08

Granting of licence proposed?: Yes

## Conditions proposed for the licence

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Flamborough and Filey Coast pSPA.

## Advice proposed with the licence

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head and Bempton Cliffs SPA, North York Moors SPA; Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Flamborough Head and Bempton Cliffs SPA, North York Moors SPA; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Flamborough and Filey Coast pSPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake (Rissa tridactyla)	No	No	No	No	Yes	Yes	Yes	Yes			
Gannet (Morus bassanus)	No	No	No	No	Yes	Yes	Yes	Yes			
Common guillemot (Uria aalge albonis)	No	No	No	No	Yes	Yes	Yes	Yes			
Razorbill (Alca torda islandica)	No	No	No	No	Yes	Yes	Yes	Yes			
Seabird assemblage	No	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Flamborough Head and Bempton Cliffs SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake ( <i>Rissa tridactyla</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>North York Moors SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Merlin ( <i>Falco columbarius</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Flamborough Head SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Reefs		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Submerged or partially submerged sea caves		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Beast Cliff – Whitby (Robin Hood's Bay) SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>North York Moors SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with <i>Erica tetralix</i>		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Blanket bogs (priority feature if active bog)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

**Licence block: TA09**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are North York Moors SPA; Flamborough and Filey Coast pSPA.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are North York Moors SPA; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>North York Moors SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Merlin (Falco columbarius)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European golden plover (Pluvialis apricaria)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Beast Cliff – Whitby (Robin Hood’s Bay) SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>North York Moors SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with Erica tetralix	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
European dry heaths	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Blanket bogs (priority feature if active bog)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Flamborough and Filey Coast pSPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake (Rissa tridactyla)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Gannet (Morus bassanus)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common guillemot (Uria aalge albionis)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Razorbill (Alca torda islandica)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Seabird assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: TA15**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

No conditions proposed.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Hornsea Mere SPA; Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Hornsea Mere SPA; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Hornsea Mere SPA	No					Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Gadwall (Anas strepera)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mute swan (Cygnus olor)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Flamborough Head SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Reefs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Submerged or partially submerged sea caves	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Flamborough and Filey Coast pSPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake ( <i>Rissa tridactyla</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Gannet ( <i>Morus bassanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Common guillemot ( <i>Uria aalge albonis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Razorbill ( <i>Alca torda islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Seabird assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			

**Licence block: TA16****Granting of licence proposed?: Yes****Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European site(s) in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Flamborough Head and Bempton Cliffs SPA; Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Flamborough Head and Bempton Cliffs SPA	No									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake ( <i>Rissa tridactyla</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Flamborough Head SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes		
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	Yes	Yes	Yes	Yes		
Submerged or partially submerged sea caves	Yes	No	No	No	Yes	Yes	Yes	Yes		
<b>Flamborough and Filey Coast pSPA</b>	<b>No</b>									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake ( <i>Rissa tridactyla</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Gannet ( <i>Morus bassanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common guillemot ( <i>Uria aalge albionis</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Razorbill ( <i>Alca torda islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Seabird assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		





## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Flamborough Head and Bempton Cliffs SPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake ( <i>Rissa tridactyla</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
<b>Flamborough Head SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	Yes	No	No	No	Yes	Yes	Yes	Yes			
Submerged or partially submerged sea caves	Yes	No	No	No	Yes	Yes	Yes	Yes			
<b>Flamborough and Filey Coast pSPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake ( <i>Rissa tridactyla</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Gannet ( <i>Morus bassanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common guillemot ( <i>Uria aalge albonis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Razorbill ( <i>Alca torda islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Seabird assemblage	No	No	No	No	Yes	Yes	Yes	Yes			

**Licence block: TA18**

**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block. Stage A activities at or near to the surface will be prohibited in certain sites with potentially sensitive features. Stage A activities, at or near to the surface, are therefore also prohibited in any overlapping areas of two or more European sites, where such activities are prohibited in at least one of those sites (see map in Appendix E). The sites in which Stage A activities are prohibited are: Flamborough and Filey Coast pSPA.

**Advice proposed with the licence**

The following advice is given:

- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head and Bempton Cliffs SPA, Flamborough and Filey Coast pSPA.

- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Flamborough Head SAC.

- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Flamborough Head and Bempton Cliffs SPA, Flamborough and Filey Coast pSPA.

- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>

- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
Flamborough Head and Bempton Cliffs SPA	No										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake (Rissa tridactyla)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Flamborough Head SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Reefs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Vegetated sea cliffs of the Atlantic and Baltic Coasts	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
Submerged or partially submerged sea caves	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes			
<b>Flamborough and Filey Coast pSPA</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Black-legged kittiwake ( <i>Rissa tridactyla</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Gannet ( <i>Morus bassanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Common guillemot ( <i>Uria aalge albonis</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Razorbill ( <i>Alca torda islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes			
Seabird assemblage	No	No	No	No	Yes	Yes	Yes	Yes			

**Licence block: TA30**  
**Granting of licence proposed?: Yes**

**Conditions proposed for the licence**

Stage A, B, C and D activities will be prohibited at or near to the surface within the boundaries of all European sites in this block.

**Advice proposed with the licence**

The following advice is given:

- This block has European sites within it, or within 1km of the block boundary. In general, land within approximately 1km of a European site is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. .
- In some instances, bird species that are associated with SPAs and some Ramsar sites may rely on non-designated habitats beyond the European site boundaries, and so could be vulnerable to activities occurring outside the designated site itself. Land within 10km of an SPA, or a Ramsar site designated for its bird populations, is therefore considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SPA.
- Coastal or marine habitat features could be vulnerable to any changes in coastal processes that occur due to activities occurring along the coastline. Land located along the coastline (i.e. within 1km of the mean low water level), and which is also within 10km of a European site with coastal habitats, is therefore considered to be of a potentially sensitive nature (due to its potential connectivity to a European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites potentially vulnerable in or near this block are Humber Estuary Ramsar, Humber Estuary SAC, Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC.
- Some of European site interest features (e.g. birds species; fish; marine mammals) are potentially sensitive to noise or vibration effects associated with Stage A activities (as well as Stage B, C and D activities). Land within approximately 1km of a European site supporting noise or vibration sensitive features is considered to be of a potentially sensitive nature (due to its proximity to the European site) such that mitigation and/or alternative siting may be required by authorities further considering HRA issues for specific project-level operations. The European sites with features potentially vulnerable to this in or near this block are Humber Estuary Ramsar, Humber Estuary SPA, Humber Estuary SAC.
- More detailed information relating to designated sites taken into account in this assessment can be viewed by accessing the following link: <http://jncc.defra.gov.uk/page-4>
- The location of the block and the relevant European sites are illustrated on the corresponding map in Appendix E.

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOL?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Humber Estuary Ramsar</b>	Yes										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOL. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOL – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes			
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes			
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	Yes	No	No	No	Yes	Yes	Yes	Yes			

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Humber Estuary SPA</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Great bittern ( <i>Botaurus stellaris</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Great bittern ( <i>Botaurus stellaris</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Greater scaup ( <i>Aythya marila</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Mallard ( <i>Anas platyrhynchos</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ruff ( <i>Philomachus pugnax</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Whimbrel ( <i>Numenius phaeopus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common greenshank ( <i>Tringa nebularia</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ruddy turnstone ( <i>Arenaria interpres</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian marsh harrier ( <i>Circus aeruginosus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common goldeneye ( <i>Bucephala clangula</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Pied avocet ( <i>Recurvirostra avosetta</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common pochard ( <i>Aythya ferina</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Pied avocet ( <i>Recurvirostra avosetta</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ringed plover ( <i>Charadrius hiaticula</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Hen harrier ( <i>Circus cyaneus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		

## Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Humber Estuary SAC</b>	Yes									
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	Yes	Yes	Yes	Yes		This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Estuaries	Yes	No	No	No	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	Yes	Yes	Yes	Yes		
Coastal lagoons	Yes	No	No	No	Yes	Yes	Yes	Yes		
Salicornia and other annuals colonizing mud and sand	Yes	No	No	No	Yes	Yes	Yes	Yes		
Atlantic salt meadows ( <i>Glauco-Puccinellietalia maritima</i> )	Yes	No	No	No	Yes	Yes	Yes	Yes		
Embryonic shifting dunes	Yes	No	No	No	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes		
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes		
Dunes with <i>Hippophia rhamnoides</i>	Yes	No	No	No	Yes	Yes	Yes	Yes		
Sea lamprey ( <i>Petromyzon marinus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
River lamprey ( <i>Lampetra fluviatilis</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Grey seal ( <i>Halichoerus grypus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
<b>Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC</b>	No									
Embryonic shifting dunes	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunes with <i>Hippophia rhamnoides</i>	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Humid dune slacks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

Licence block: TF06

Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

*Designated Sites and Interest Features (present within the Licence Block or within 10km)*

**Is Euro. site within block?**

**Can Stage A, B, C or D activities be carried out without AEOI?**

**Notes**

*If activity is within European site?*

*If activity is outside European site?*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*Stage A*

*Stage B*

*Stage C*

*Stage D*

*none*



Licence block: TF07e  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

Licence block: TF07f  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none

**Licence block: TF17**  
**Granting of Licence Proposed?: Yes**

**Conditions proposed for the**

**Advice proposed for the licence**

**Assessment of Effects on Relevant European Sites**

<i>Designated Sites and Interest Features (present within the Licence Block or within 10km)</i>	<i>Is Euro. site within block?</i>	<i>Can Stage A, B, C or D activities be carried out without AEOI?</i>								<i>Notes</i>
		<i>If activity is within European site?</i>				<i>If activity is outside European site?</i>				
		<i>Stage A</i>	<i>Stage B</i>	<i>Stage C</i>	<i>Stage D</i>	<i>Stage A</i>	<i>Stage B</i>	<i>Stage C</i>	<i>Stage D</i>	

*none*

**Licence block: TF18b**  
**Granting of Licence Proposed?: Yes**

**Conditions proposed for the**

**Advice proposed for the licence**

**Assessment of Effects on Relevant European Sites**

<i>Designated Sites and Interest Features (present within the Licence Block or within 10km)</i>	<i>Is Euro. site within block?</i>	<i>Can Stage A, B, C or D activities be carried out without AEOI?</i>								<i>Notes</i>
		<i>If activity is within European site?</i>				<i>If activity is outside European site?</i>				
		<i>Stage A</i>	<i>Stage B</i>	<i>Stage C</i>	<i>Stage D</i>	<i>Stage A</i>	<i>Stage B</i>	<i>Stage C</i>	<i>Stage D</i>	

*none*

Licence block: TF36  
Granting of Licence Proposed?: Yes

Conditions proposed for the

Advice proposed for the licence

**Assessment of Effects on Relevant European Sites**

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

none



# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

<b>Humber Estuary Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>Humber Estuary SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great bittern ( <i>Botaurus stellaris</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great bittern ( <i>Botaurus stellaris</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Greater scaup ( <i>Aythya marila</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mallard ( <i>Anas platyrhynchos</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Whimbrel ( <i>Numenius phaeopus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common greenshank ( <i>Tringa nebularia</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian marsh harrier ( <i>Circus aeruginosus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common goldeneye ( <i>Bucephala clangula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Pied avocet ( <i>Recurvirostra avosetta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common pochard ( <i>Aythya ferina</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Humber Estuary SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritima)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopharhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey seal (Halichoerus grypus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Saltfleetby-Theddlethorpe Dunes and Gibraltar Point SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopharhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	





# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Humber Estuary Ramsar</b>	<b>No</b>									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Humber Estuary SPA</b>	<b>No</b>									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great bittern ( <i>Botaurus stellaris</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great bittern ( <i>Botaurus stellaris</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Greater scaup ( <i>Aythya marila</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mallard ( <i>Anas platyrhynchos</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Whimbrel ( <i>Numenius phaeopus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common greenshank ( <i>Tringa nebularia</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian marsh harrier ( <i>Circus aeruginosus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common goldeneye ( <i>Bucephala clangula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Pied avocet ( <i>Recurvirostra avosetta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common pochard ( <i>Aythya ferina</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Pied avocet (Recurvirostra avosetta)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Hen harrier (Circus cyaneus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Humber Estuary SAC</b>	<b>No</b>									This site is outside the licence block, but less than 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritima)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopharhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey seal (Halichoerus grypus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Saltfleetby-Theddlethorpe Dunes and Gibraltar Point SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopharhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	



# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>Gibraltar Point Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>The Wash Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>The Wash SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Gadwall ( <i>Anas strepera</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black (common) scoter ( <i>Melanitta nigra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common goldeneye ( <i>Bucephala clangula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Gibraltar Point SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
<b>The Wash and North Norfolk Coast SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Coastal lagoons	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Large shallow inlets and bays	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Reefs	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Salicornia and other annuals colonizing mud and sand	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Atlantic salt meadows (Glauco-Puccinellietalia maritima)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mediterranean and thermo-Atlantic halophilous scrubs (Sarcocornetea fruticosi)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Otter (Lutra lutra)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common seal (Phoca vitulina)	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Saltfleetby-Theddlethorpe Dunes and Gibraltar Point SAC</b>	<b>No</b>								This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.	
Embryonic shifting dunes	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunes with Hippopharhamnoides	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Humid dune slacks	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		



# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

<b>Humber Estuary Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>Humber Estuary SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great bittern ( <i>Botaurus stellaris</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great bittern ( <i>Botaurus stellaris</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Greater scaup ( <i>Aythya marila</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mallard ( <i>Anas platyrhynchos</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Whimbrel ( <i>Numenius phaeopus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common greenshank ( <i>Tringa nebularia</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian marsh harrier ( <i>Circus aeruginosus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common goldeneye ( <i>Bucephala clangula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Pied avocet ( <i>Recurvirostra avosetta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common pochard ( <i>Aythya ferina</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		



# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Pied avocet ( <i>Recurvirostra avosetta</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover ( <i>Charadrius hiaticula</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover ( <i>Charadrius hiaticula</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Hen harrier ( <i>Circus cyaneus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with <i>Hippopharmonoides</i>		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	



# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

<b>Humber Estuary Ramsar</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 8 - important source of food for fishes, spawning ground, nursery and/or migration path	Yes	No	No	No	Yes	Yes	Yes	Yes		

<b>Humber Estuary SPA</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Great bittern ( <i>Botaurus stellaris</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Great bittern ( <i>Botaurus stellaris</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Greater scaup ( <i>Aythya marila</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Mallard ( <i>Anas platyrhynchos</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ruff ( <i>Philomachus pugnax</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Whimbrel ( <i>Numenius phaeopus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common greenshank ( <i>Tringa nebularia</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Ruddy turnstone ( <i>Arenaria interpres</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian marsh harrier ( <i>Circus aeruginosus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common goldeneye ( <i>Bucephala clangula</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Pied avocet ( <i>Recurvirostra avosetta</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Eurasian teal ( <i>Anas crecca</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Common pochard ( <i>Aythya ferina</i> )	No	No	No	No	Yes	Yes	Yes	Yes		

# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Pied avocet (Recurvirostra avosetta)		No	No	No	No	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)		No	No	No	No	Yes	Yes	Yes	Yes	
Hen harrier (Circus cyaneus)		No	No	No	No	Yes	Yes	Yes	Yes	
<b>Humber Estuary SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Estuaries		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mudflats and sandflats not covered by seawater at low tide		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritima)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Embryonic shifting dunes		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopharhamnoides		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sea lamprey (Petromyzon marinus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
River lamprey (Lampetra fluviatilis)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey seal (Halichoerus grypus)		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Saltfleetby-Theddlethorpe Dunes and Gibraltar Point SAC</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes		Yes	No	No	No	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")		Yes	No	No	No	Yes	Yes	Yes	Yes	
Dunes with Hippopharhamnoides		Yes	No	No	No	Yes	Yes	Yes	Yes	
Humid dune slacks		Yes	No	No	No	Yes	Yes	Yes	Yes	



# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

<b>Gibraltar Point Ramsar</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	Yes	No	No	No	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	No	No	No	No	Yes	Yes	Yes	Yes		
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	Yes	No	No	No	Yes	Yes	Yes	Yes		

<b>The Wash Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>The Wash SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common tern ( <i>Sterna hirundo</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Gadwall ( <i>Anas strepera</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Pink-footed goose ( <i>Anser brachyrhynchus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian wigeon ( <i>Anas penelope</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern pintail ( <i>Anas acuta</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black (common) scoter ( <i>Melanitta nigra</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common goldeneye ( <i>Bucephala clangula</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian oystercatcher ( <i>Haematopus ostralegus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Tundra swan ( <i>Cygnus columbianus bewickii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>Gibraltar Point SPA</b>	<b>Yes</b>									This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Little tern ( <i>Sterna albifrons</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Waterfowl assemblage	No	No	No	No	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	No	No	No	No	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	No	No	No	No	Yes	Yes	Yes	Yes		

# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

<b>Gibraltar Point Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>Humber Estuary Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>Humber Estuary SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great bittern ( <i>Botaurus stellaris</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great bittern ( <i>Botaurus stellaris</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Greater scaup ( <i>Aythya marila</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mallard ( <i>Anas platyrhynchos</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Whimbrel ( <i>Numenius phaeopus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common greenshank ( <i>Tringa nebularia</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

Assessment of Effects on Relevant European Sites											
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes	
		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>The Wash and North Norfolk Coast SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage A, B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Mudflats and sandflats not covered by seawater at low tide	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Coastal lagoons	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Large shallow inlets and bays	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Reefs	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Salicornia and other annuals colonizing mud and sand	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Atlantic salt meadows (Glauco-Puccinellietalia maritima)	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Mediterranean and thermo-Atlantic halophilous scrubs (Sarcocornetea fruticosi)	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Otter (Lutra lutra)	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Common seal (Phoca vitulina)	No	No	No	No	Yes	Yes	Yes	Yes	Yes		
<b>Saltfleetby–Theddlethorpe Dunes and Gibraltar Point SAC</b>	<b>Yes</b>										This site is present within the licence block. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities 'at or near the surface', the following should be noted: - Stage B, C and D activities within the European site boundary are considered likely to result in AEOI – see 'Conditions proposed for the licence' (above). - for activities occurring outside the boundary of the European site, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Dunes with Hippopharhamnoides	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		
Humid dune slacks	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes		





# Assessment of Effects on Relevant European Sites

Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	

<b>Gibraltar Point Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 2 - supports vulnerable, endangered, or critically endangered species or threatened eco. communities	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>Humber Estuary Ramsar</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Criterion 5 - regularly supports 20,000 or more waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 1 - sites containing representative, rare or unique wetland types	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 3 - supports populations of plant/animal species important for maintaining regional biodiversity	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Criterion 6 - regularly supports 1% of the individuals in a population of one species/subspecies of waterbirds	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

<b>Humber Estuary SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Great bittern ( <i>Botaurus stellaris</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great bittern ( <i>Botaurus stellaris</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Greater scaup ( <i>Aythya marila</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Mallard ( <i>Anas platyrhynchos</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Northern lapwing ( <i>Vanellus vanellus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Red knot ( <i>Calidris canutus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Sanderling ( <i>Calidris alba</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dunlin ( <i>Calidris alpina schinzii</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruff ( <i>Philomachus pugnax</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Grey plover ( <i>Pluvialis squatarola</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Waterfowl assemblage	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Black-tailed godwit ( <i>Limosa limosa islandica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Bar-tailed godwit ( <i>Limosa lapponica</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Whimbrel ( <i>Numenius phaeopus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Eurasian curlew ( <i>Numenius arquata</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common redshank ( <i>Tringa totanus</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common greenshank ( <i>Tringa nebularia</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Ruddy turnstone ( <i>Arenaria interpres</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Little tern ( <i>Sterna albifrons</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Light-bellied brent goose ( <i>Branta bernicla hrota</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Common shelduck ( <i>Tadorna tadorna</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European golden plover ( <i>Pluvialis apricaria</i> )	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		

Assessment of Effects on Relevant European Sites										
Designated Sites and Interest Features (present within the Licence Block or within 10km)	Is Euro. site within block?	Can Stage A, B, C or D activities be carried out without AEOI?								Notes
		If activity is within European site?				If activity is outside European site?				
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D	
Eurasian marsh harrier (Circus aeruginosus)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common goldeneye (Bucephala clangula)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian oystercatcher (Haematopus ostralegus)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pied avocet (Recurvirostra avoetia)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian wigeon (Anas penelope)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Eurasian teal (Anas crecca)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common pochard (Aythya ferina)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Pied avocet (Recurvirostra avoetia)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Ringed plover (Charadrius hiaticula)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Hen harrier (Circus cyaneus)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Gibraltar Point SPA</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Little tern (Sterna albifrons)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Bar-tailed godwit (Limosa lapponica)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Waterfowl assemblage	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Sanderling (Calidris alba)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Grey plover (Pluvialis squatarola)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>The Wash and North Norfolk Coast SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Sandbanks which are slightly covered by sea water all the time	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mudflats and sandflats not covered by seawater at low tide	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Coastal lagoons	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Large shallow inlets and bays	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Reefs	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Salicornia and other annuals colonizing mud and sand	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Atlantic salt meadows (Glauco-Puccinellietalia maritima)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Mediterranean and thermo-Atlantic halophilous scrubs (Sarcocornetea fruticosi)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Otter (Lutra lutra)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Common seal (Phoca vitulina)	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
<b>Saltfleetby-Theddlethorpe Dunes and Gibraltar Point SAC</b>	<b>No</b>									This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Embryonic shifting dunes	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Shifting dunes along the shoreline with Ammophila arenaria ("white dunes")	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Fixed coastal dunes with herbaceous vegetation ("grey dunes")	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Dunes with Hippopharmanoides	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	
Humid dune slacks	n/a	n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes	



## Assessment of Effects on Relevant European Sites

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		If activity is within European site?				If activity is outside European site?					
		Stage A	Stage B	Stage C	Stage D	Stage A	Stage B	Stage C	Stage D		
<b>Ashdown Forest SPA</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
European nightjar ( <i>Caprimulgus europaeus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Dartford warbler ( <i>Sylvia undata</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
<b>Ashdown Forest SAC</b>	<b>No</b>										This site is outside the licence block, over 1km from the block boundary. Stage A, B, C and D activities undertaken at depth (so that effects do not register at surface) are not considered likely to result in AEOI. With regard to activities at or near the surface, the 'Advice proposed with the licence' section (above) should be noted.
Northern Atlantic wet heaths with <i>Erica tetralix</i>		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
European dry heaths		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		
Great crested newt ( <i>Triturus cristatus</i> )		n/a	n/a	n/a	n/a	Yes	Yes	Yes	Yes		