

## EA permits for water abstraction

We have carried out a search of the licenced abstractions from the groundwater in the vicinity of Newdigate / Russ Hill area. The geology in the area comprises Weald Clay so there are actually very few groundwater abstractions.

The first search was for any abstractors within a **10 kilometre radius**. The search resulted in 4 licences. Of these, two of the licenced abstractions may be of interest as they are from strata matching the age of the Weald Clay or older (deeper).

Licence no.	Location	Abstraction volume (Daily max, m3)	Abstraction volume (Annual max, m3)	Geology	Abstractor
28/39/32/0083	TQ 2028 3880	87.280	15,970	G5.4 GW - WEALD CLAY	Private abstractor
TH/039/0032/016	TQ 2668 3892	130	47,450	G5.3 GW - TUNBRIDGE WELLS SAND	Private abstractor

\*We suspect that the Weald Clay abstraction is actually from the limestone band within the Weald Clay, which outcrops to the south of the abstraction point.

Both of these sites are also on our Groundwater Quality Monitoring Network so we assess the groundwater quality twice a year.

The other two licenced abstractions within 10 kilometres are from strata younger than the Weald Clay, including the Lower Greensand of the Surrey Hills and the Upper Greensand / Chalk of the South Downs.

Licence no.	Location	Abstraction volume (Daily max, m3)	Abstraction volume (Annual max, m3)	Geology	Abstractor
10/41/426302 (Well 1) (Wells 2 and 3)	TQ 1411 4302 TQ 1438 4305	94.32	33158.7	H5WO Worthing Chalk / Upper Greensand	Private abstractor
28/39/32/0084	TQ 1836 4991	144	12,000	G6.1 GW - HYPHE & BARGATE BEDS (Lower Greensand)	Private abstractor

We then widened the search, up to a **radius of 15 kilometres** from the Newdigate / Russ Hill area. This increase in radius picks up further abstractions from the Weald Clay and Tunbridge Wells sand as well as the Lower Greensand of the Surrey Hills, including some larger public water supplies. There are another 9 licenced abstractions in the area covering 10 to 15km radius from the Newdigate / Russ Hill area.

Of these, three of the licenced abstractions may be of interest as they are from strata matching the age of the Weald Clay or older (deeper).

Licence no.	Location	Abstraction volume (Daily max, m3)	Abstraction volume (Annual max, m3)	Geology	Abstractor
25/081	TQ 1051 3110	77	7700	H1E2 Limestone in Weald Clay	Private abstractor
SO/041/0025/003	TQ 1668 2879	80	15000	H1D Tunbridge Wells Sand	Private abstractor
9/40/03/0344/GR	TQ 3583 4407	36.4	2500	H1D3 Upper Tunbridge Wells Sands	Private abstractor

The other six licenced abstractions within 10 to 15 kilometres are from strata younger than the Weald Clay.

Licence no.	Location	Abstraction volume (Daily max, m3)	Abstraction volume (Annual max, m3)	Geology	Abstractor
28/39/32/0033 Point H	TQ 1560 4956	11820	4326064	G6.4 GW - LOWER GREENSAND	Water company
Point K	TQ 1575 4956				
Point E	TQ 1598 4955				
Point M	TQ 1600 4957				
Point L	TQ 1609 4948				
28/39/30/0234 Catchpit E	TQ 1330 4640	454	19093	G6.4 GW - LOWER GREENSAND	Private abstractor
Catchpit D	TQ 1340 4650				
Catchpit A	TQ 1130 4690				
Catchpit B	TQ 1260 4710				
Catchpit C	TQ 1280 4710				
28/39/30/0212 Springs H-S Springs A-G, T, U	TQ 0974 4721 TQ 1034 4737 TQ 1034 4709 TQ 0970 4707 TQ 0890 4757 TQ 0938 4760	6293.41	2297093	G6.4 GW - LOWER GREENSAND	Private abstractor

	TQ 0932 4744 TQ 0890 4746				
28/39/32/0100/R01	TQ 3010 5240	4850	1200000	G6.4 GW - LOWER GREENSAND	Private abstractor (minerals)
28/39/32/0029 (Point C)	TQ 2400 5120	4546.1	831935	G6.4 GW - LOWER GREENSAND	Water company
Point B	TQ 2410 5140				
Point A	TQ 2260 5150				
TH/039/0032/013	TQ 1759 5405	720	48000	G6.4 GW - LOWER GREENSAND	Private abstractor

In this area, a 15 kilometre radius from the Newdigate / Russ Hill area the public water supplies that abstract water from the ground all abstract from the Lower Greensand strata, which is younger than the Weald Clay so not present in the immediate area of interest.

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