

## River Deben (non-tidal) Sampling Project - Thursday 24th August 2023

Location	Time	what3words location ///	Sampling depth	Weather	River state (subjective)	E coli count Colonies per 1ml	NO3 ppm	Phosphate ppm	Ammonia ppm
Melton Spring Farm	12.15 pm	dockers.effort.daring	10cm	Cloudy	Low tide	1	0	0.65	
Wilford Bridge	9.15am	vital.briskly.different	10cm	Light rain	Average flow/ muddy	8	10	1.00	
Ufford Upper Pool	1.00 pm	blending.anguished.asterisk	30cm	Sunny	Low flow/ clear	1	0	0.92	
Ufford Lower Pool	1.00pm	slid.bookshop.widgets	30cm	Sunny	Low flow/ clear	2	0	0.79	
Rendlesham Weir	pm	diggers.grumbles.birthing	30cm	Sunny	Average flow	12	0	1.98	
Rendlesham outfall	pm	spill.facelift. feasting	From outfall	Sunny	Very high flow rate	58	0	29.6	1.41
Rendlesham Ford	pm	systems.hockey.traffic	30cm	Sunny	Average flow	7		1.12	
Wickham Market Spring Lane (upstream)	pm	daylight.configure.cotton	30cm	Sunny	Very low flow	74	0	0.10	
Wickham Market outfall	pm	looms.loudly.behave	From outfall	Sunny		500 plus	10	6.1	1.12
Wickham Market A12 bridge (downstream)	pm	decking.regard.reputable	30cm	Sunny	Low flow/ clear	300 plus	0	2.5	
Wickham Market White Bridges	pm	haggle.questions.reminder	30cm	Sunny	Low flow/ clear	9	0	1.42	
Easton Field (downstream)	3.15pm	swift.nips.banana	30cm	Cloudy	Very low flow/ clear	53	0	0.57	0.45

Easton STW Outfall	3.30pm	ruins.outward.crackled	From Outfall	Cloudy	Trickle	<b>1000 plus</b>	<b>0</b>	<b>8.2</b>	<b>51.8</b>
Easton Bridge (upstream)	3.00pm	flick.hunt.toast	30cm	Cloudy	Very low flow/clear	<b>15</b>	<b>0</b>	<b>0.48</b>	
Debenham downstream	2.30pm	harder.departure.theme	30cm		Very low flow	<b>29</b>	<b>50</b>	<b>20.2</b>	
Debenham upstream	3.00pm	mild.gobblers.spoke	30cm		Very low flow	<b>71</b>	<b>0</b>	<b>4.6</b>	

Note 1 - e.Coli results are in colonies per 1ml; Environment Agency guideline maximum for safe bathing is 9 colonies per 1ml

Note 2 - Phosphate results are in ppm; Natural England guideline is 0.1ppm for healthy rivers

Note 3 - Nitrate levels are in ppm and measured by dipstick strips; the healthy river level for nitrates is less than 50ppm

Note 4 - Ammonia levels - the guideline for UK rivers is 0.1ppm; when ammonia concentrations exceed 0.3 to 0.6 mg/l, there are detrimental toxic impacts on fish and other aquatic life