





North Level District IDB: Nene Washes Morton's Leam **Aquatic Weed Control, August 2018**







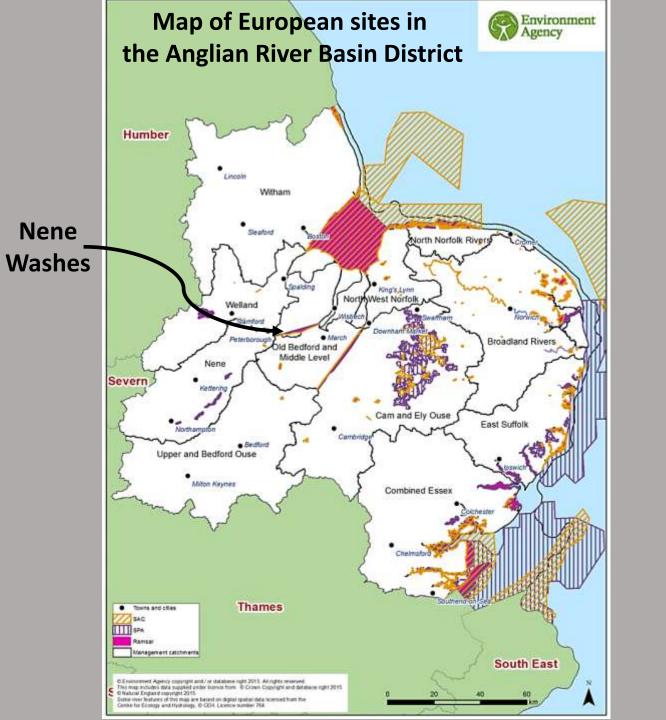






Whittlesey Wildfowlers PETERBOROUGH & Conservationists



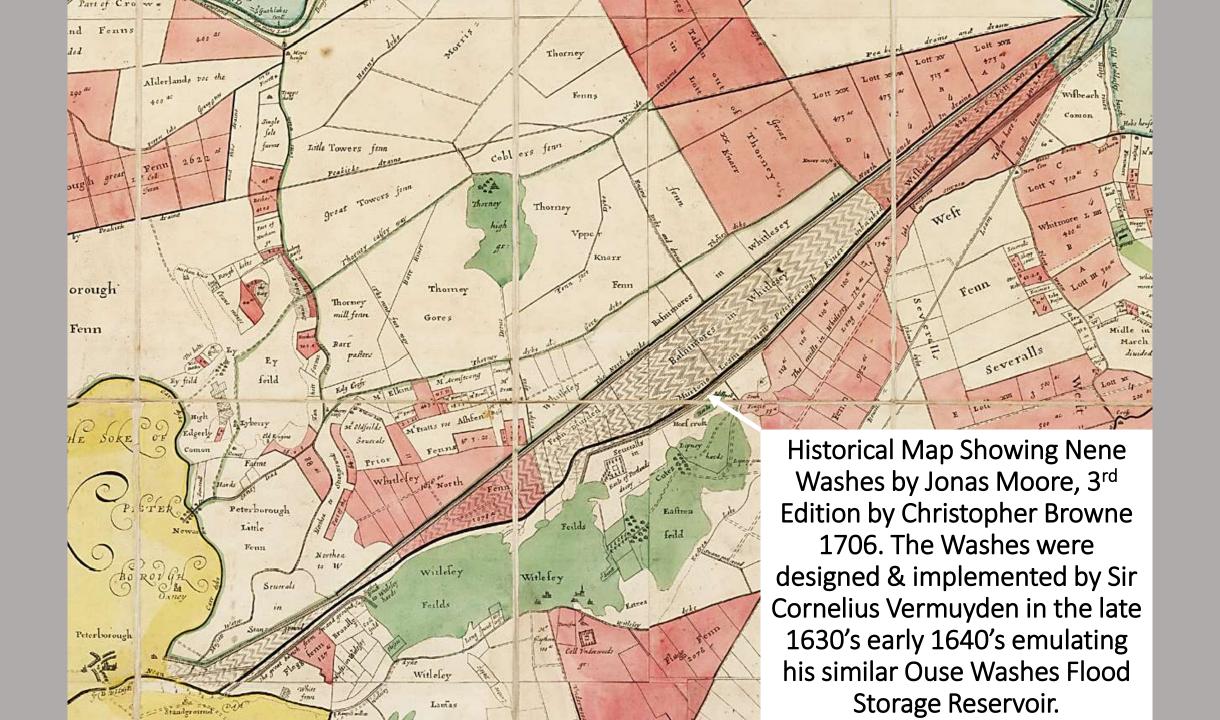


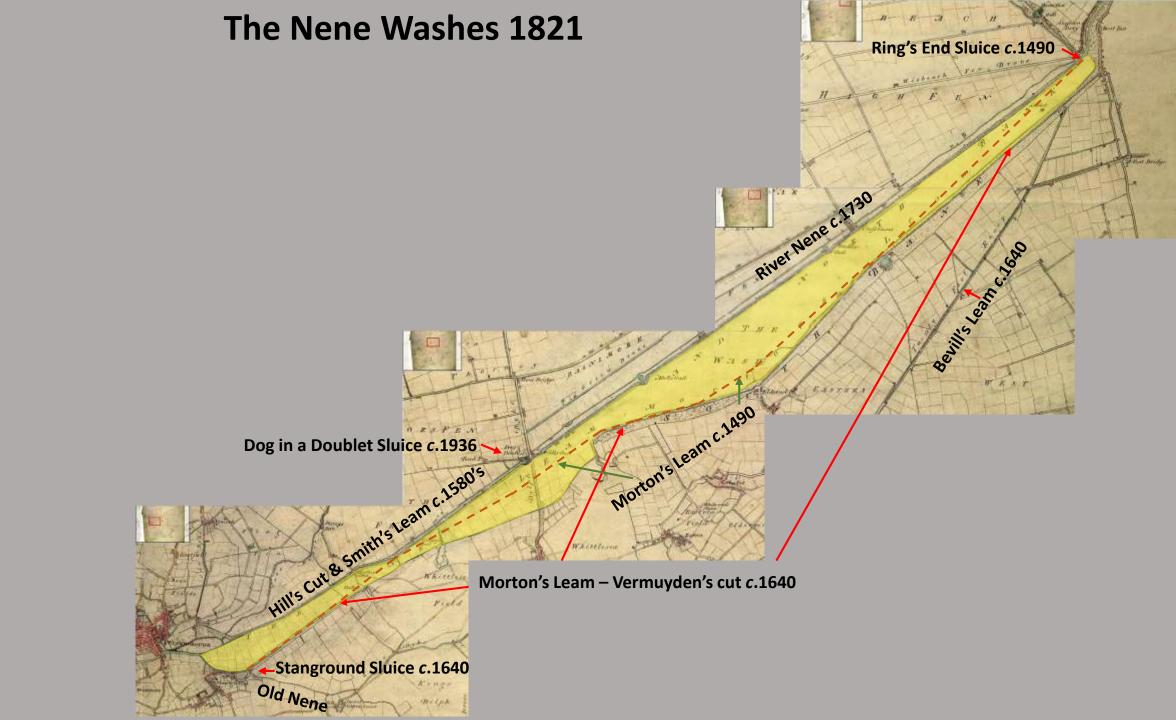




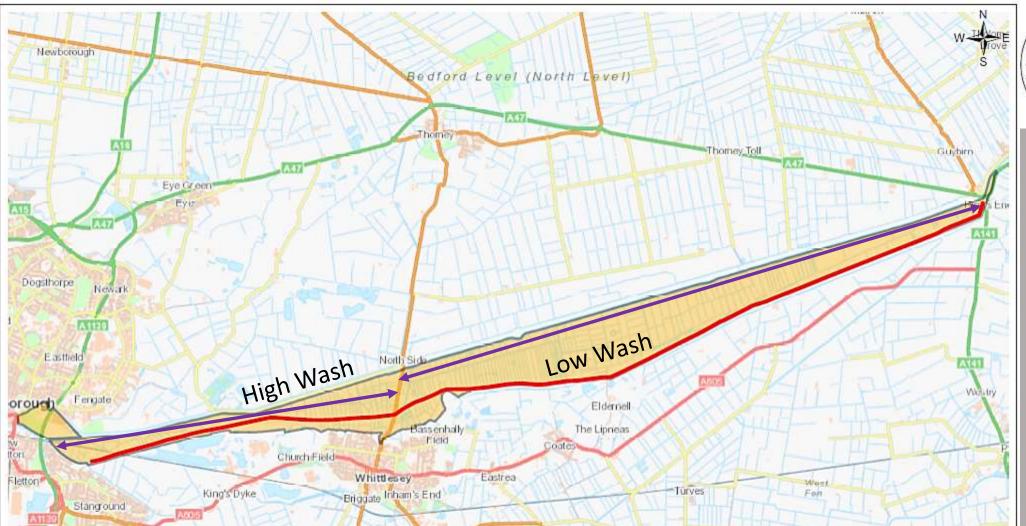
Ouse Wash in flood winter 2012-13 © Neil Hubbard













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Nene Washes Catchment

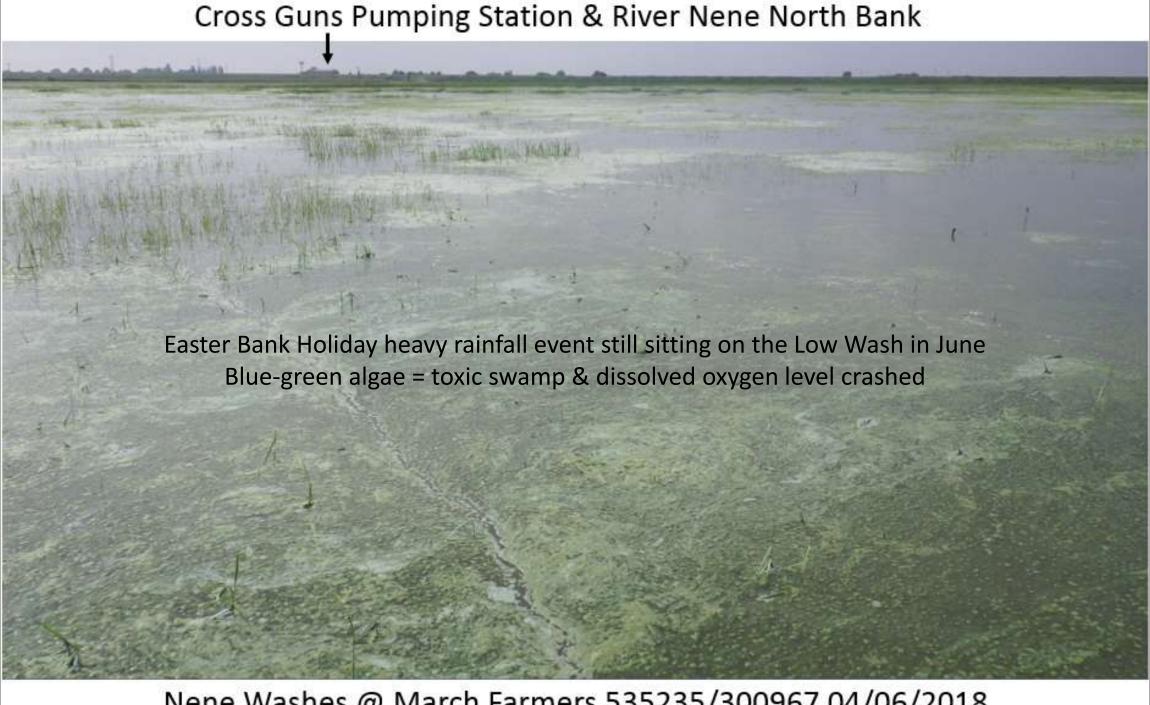
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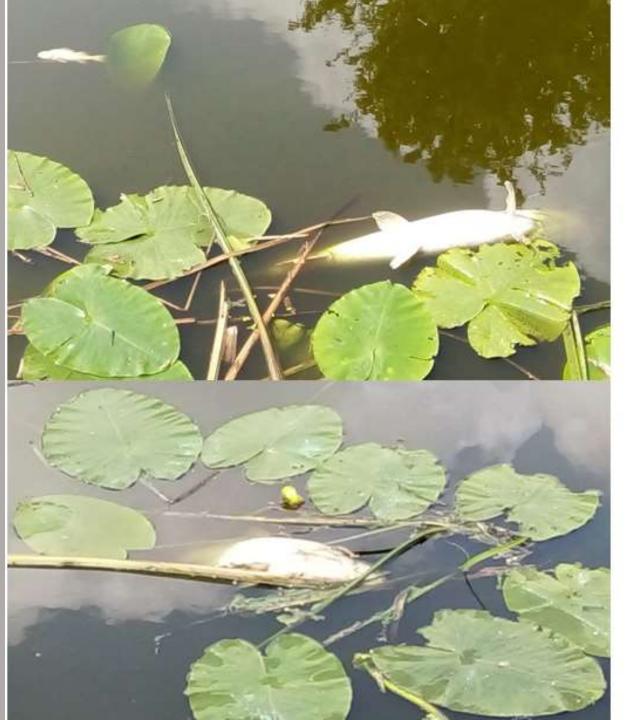
■ Morton's Leam

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Nene Washes @ March Farmers 535235/300967 04/06/2018



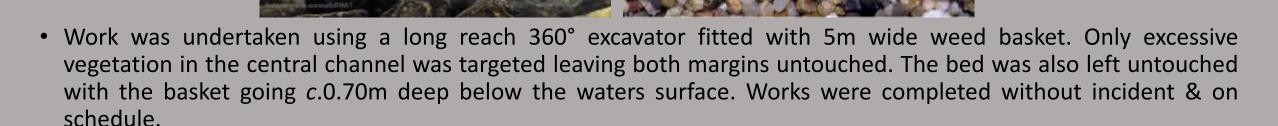




North Level District IDB: Morton's Leam Aquatic Weed Control between Stanground Sluice & Little Bridge August 15-17th 2018

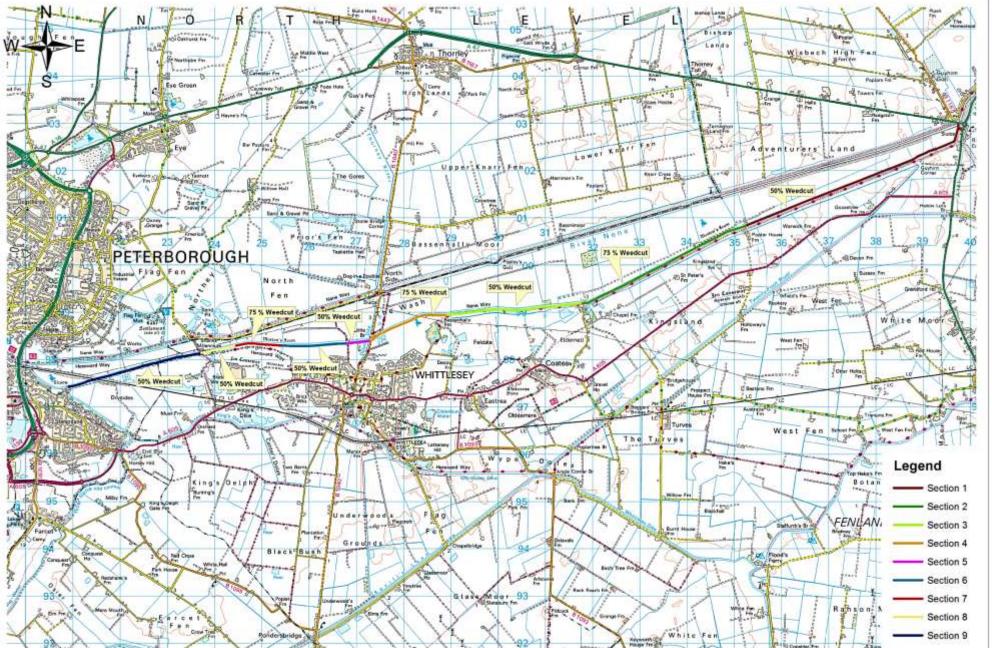
• Morton's Leam is designated an SAC on account of the scarce spined loach *Cobitis taenia*, a small fish protected under the EC Habitat and Species Directive. It is confined to a few drains in Eastern England, mostly in the Fens, & a few feeder channels on the River Trent. Special consideration is therefore required to protect existing

populations.



- Only partial sections of linear reaches or 'spot' clumps with excessive macrophyte growth were targeted & not the whole length between the two above bridges, as per the Morton's Leam aquatic weed management agreement guidance drawn up by the Environment Agency & Natural England. Removed macrophytes & other detritus were left adjacent to the Leam.
- Weather conditions during the above dates was cooler than experienced in the recent heatwave & water transfer from the River Nene into the Leam was being conducted throughout these works & in days after. Dissolved oxygen (DO) was routinely monitored before, during, & after works with no negative impacts.







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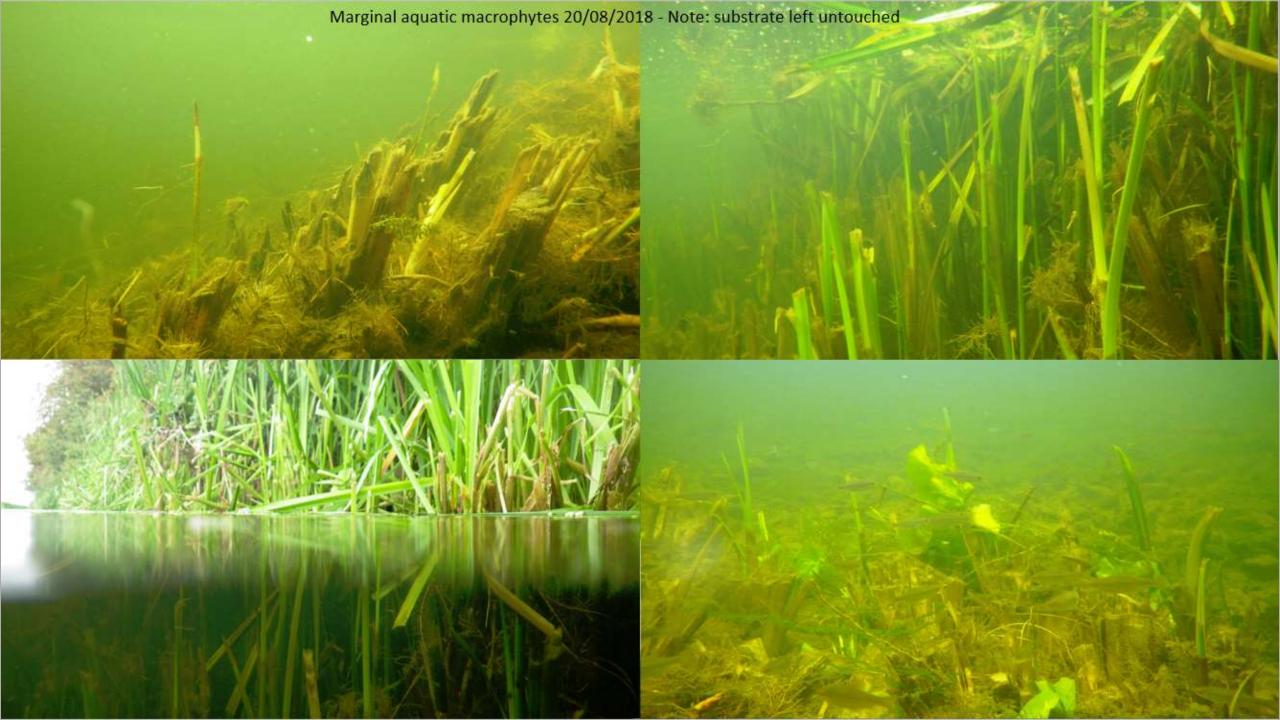


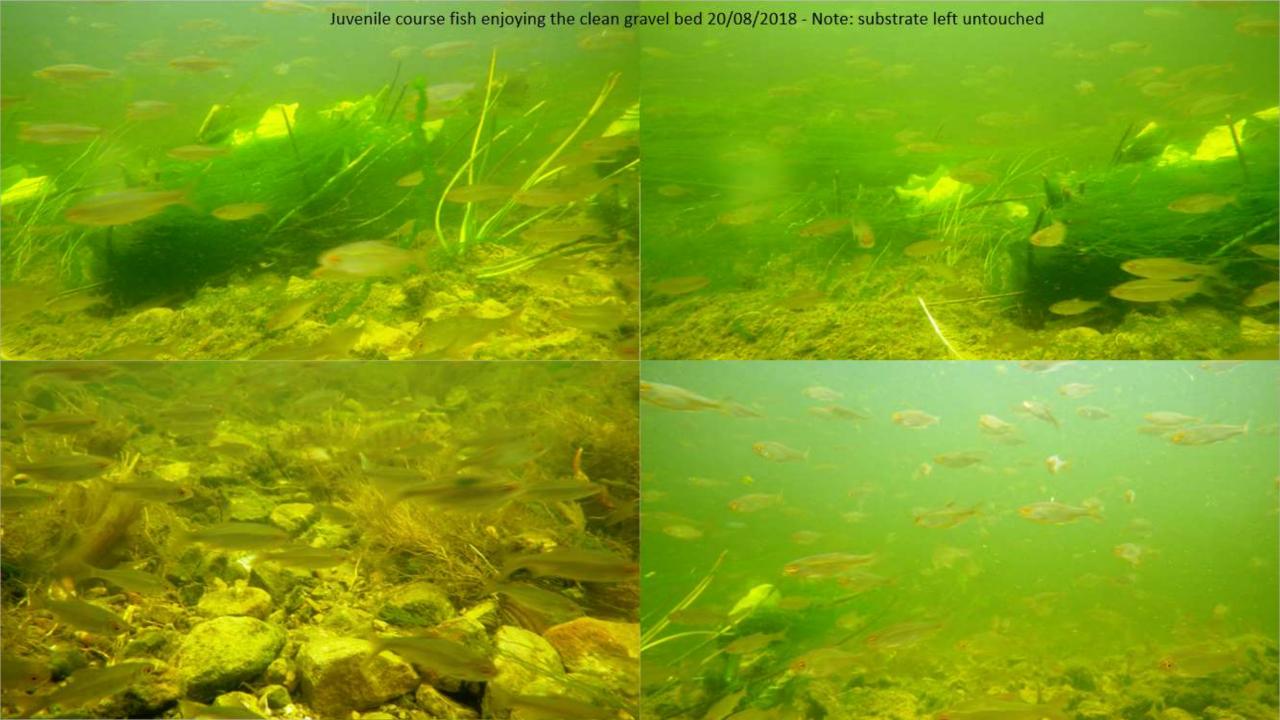
















NORTH LEVEL DISTRICT I.D.B. WATER QUALITY TEST RESULTS

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SITE	SURFACE RECORDING				BED RECORDING				COMMENTS	
SILE	TEMP (°C)	D.O. (%)	NaCl (ppt)	TIME	TEMP (°C)	D.O. (%)	NaCl (ppt)	TIME	COMMENTS	
Morton's Leam	21.4	24.9	0.3	11:15	21.5	8.9	0.5	11:20	Little Bridge	9th ↓
Morton's Leam	21.3	15.8	0	11:30	21.3	9.8	0.5	11:35	Bathing Bridge	
Morton's Leam	21.5	16	0.5	11:50	22	15.1	0.4	11:55	Gravel Dyke	
Morton's Leam	20.1	13.2	0.5	12:25	20.5	12	0.5	12:30	Ball Bridge	
Morton's Leam	20.5	11.4	0.5	12:45	20.8	7.9	0.5	12:50	Halfway ↑↓	
Morton's Leam	20.9	21.1	0.5	13:10	21.3	18	0.5	13:15	Railway Bridge	
Between Stanground Sluice & Rail Bridge	19.8	48.9	0.5	14:30	19.8	35.9	0.5	14:30	Sun/Cloud	14th ↓
Between Rail + Ball Bridge	20.2	36.4	0.5	14:45	20.1	52.1	0.5	14:45	Sun/Cloud	
D/S Stanground Sluice	19.3	48.5	0.5	09:15	19.3	23	0.5	09:15	Overcast	15th ↓
U/S of Rail Bridge	19.4	41.5	0.5	10:45	19.6	20.5	0.5	10:45	Overcast	
U/S of 360 + Rail Bridge	19.4	37	0.5	11:00	19.5	27.5	0.5	11:00	Overcast	
D/S Stanground Sluice	19	48.5	0.5	11:40	19.5	10.1	0.5	11:40	Overcast	
Under Rail Bridge	19.9	45.4	0.5	12:45	19.9	38.4	0.5	14:45	Sunny with a bit of cloud	
800m D/S of Rail Bridge	20.6	52	0.5	16:00	20.8	46	0.5	16:00	Sunny with a bit of cloud	
1500m D/S of Rail Bridge + Colin	20.8	46	0.5	16:30	20.3	48.4	0.5	16:30	Sunny with a bit of cloud	

SITE	SURFACE RECORDING				BED RECORDING				COMMENTS	
SHE	TEMP (°C)	D.O. (%)	NaCl (ppt)	TIME	TEMP (°C)	D.O. (%)	NaCl (ppt)	TIME	COMMENTS	
Ball Bridge	19.2	26.5	0.5	08:30	19.2	19.5	0.5	08:30	Raining	16th ↓
30m U/S Gravel Dyke	19.6	39	0.5	13:00	19.4	10.5	0.5	13:00	Cool and breezy	
50m D/S Gravel Dyke	19.4	22	0.5	13:05	19.3	13.7	0.5	13:05	Cool and breezy	
50m D/S Gravel Dyke After Weed Basket	19.5	22.7	0.5	14:30	19.4	11.4	0.5	14:30	Cool and breezy	
500m D/S Gravel Dyke	19.5	23.8	0.5	15:00	19.5	22.9	0.5	15:00	Sunny with Breeze	
500m U/S Bathing Bridge	19.6	22.8	0.5	11:00	19.6	18.3	0.5	16:00	Sunny with S.W Breeze	
Bathing Bridge	17.8	23.5	0	08:30	17.9	10	0.5	08:30	Sunny and still	17th ↓
Midway Between Ball + Bathing Bridge	18.5	30	0.5	09:30	18.4	30	0.5	09:30	Sunny and still	
Ball Bridge	18.4	37	0.4	10:00	18.4	35.9	0.5	10:00	Sunny and still	
Midway Between Ball + Rail Bridge	18.6	42.3	0.5	10:20	18.7	38.5	0.5	10:20	Sunny and still	
Rail Bridge	19.3	38.8	0.5	10:45	19.2	9.3	0.5	10:45	Sunny and still	
Bridge 100m D/S Sluice	19.3	48.7	0.5	11:00	19.3	27	0.5	11:00	Sun/Cloud/Slight Breeze	
Bathing Bridge	18.8	31.1	0.5	13:15	19.2	30.1	0.5	13:15	Sun/Cloud/Slight Breeze	
Moreton's Leam	19.7	36.5	0	13:35	19.07	30.5	0.4	13:40	Ball Bridge	18th ↓
Morton's Leam	19.8	21.8	0.2	13:50	19.8	24.1	0.4	13:55	Halfway ↑↓	
Morton's Leam	19.8	31.1	0.5	14:00	19.8	36.2	0.5	14:05	Railway Bridge	
Ball Bridge	20.3	65.2	0.5	07:12	20.3	58.6	0.5	13:35	Sunny with slight breeze	20th ↓
Bathing Bridge	20.3	46.5	0.5	14:00	20.3	37.1	0.5	14:00	Sunny with slight breeze	
Little Bridge	20.1	39.3	0.5	14:15	20.1	33.1	0.5	14:15	Sunny with slight breeze	

