

Marine Water Quality Sampling off Sizewell

Information to the Sizewell SSG

June 2014

In response to a question asked during the March Sizewell Stakeholder Group Meeting, the following summary information is presented regarding seawater monitoring undertaken by the Environment Agency off the Sizewell Coast. The data presented has been extracted from our Public Register using 1st January 2000 as a starting point. Data points were identified within the tidal excursion zone between Southwold and Orfordness. Some water quality sample points are inland, sampling estuarine or river water.

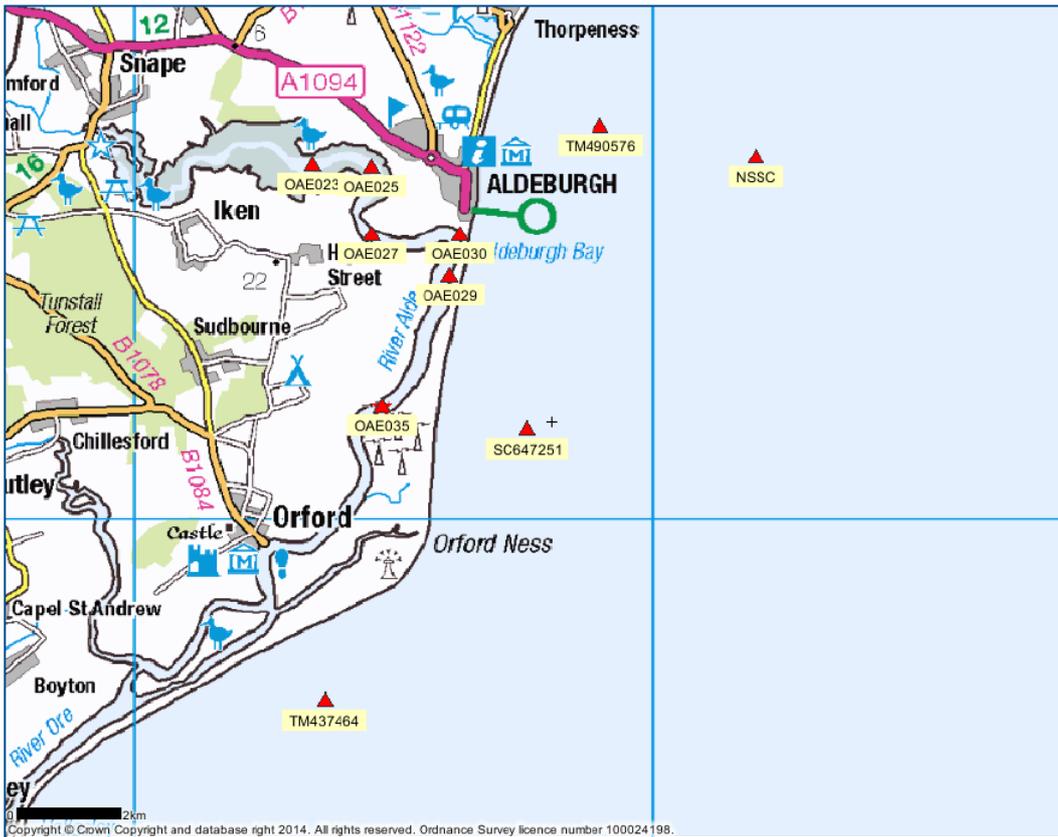
Sampling is driven by a range of factors the most dominant being legislative drivers (Bathing Water Directive compliance for example), as well as other non-routine sampling such driven by specific studies and pollution incidents. Routine sampling and monitoring for determining compliance with regulations takes place all year round on an approximately monthly basis. Samples are analysed for range of substances determined by why the sample was taken but can include heavy metals, pH, salinity, nitrogen, pesticides, temperature and chlorophyll.

We also sample seawater taken from Sizewell for radioactivity and conduct radiation monitoring surveys around the local area (including beaches) twice per year. Our results, along with results from the Food Standards Agency's monitoring programme, are reported annually in the Radiation in Food and the Environment Report (RIFE report), which is available on our website. We also require the operators of the Sizewell nuclear power stations (Magnox and EdF) to conduct programme of environmental sampling throughout the year which includes beach monitoring and samples of marine life.

The table below summaries the sampling locations and the following maps indicate where samples have been taken from:

Point Code	Point Name	Site Description
BLY064	R.BLYTH D/S WOLSEY SLUICE	SALINE WATER - DESIGNATED SHELLFISHERIES
BLY070	R.BLYTH BAILEY BRIDGE SOUTHWOLD	SALINE WATER - ESTUARINE SITES - NON BATHING/SHELLFISH
TM490576	NORTH SEA AT 52-09.6N 01-38.8E NO.42	SALINE WATER - COASTAL SITES - NON BATHING/SHELLFISH
SC652271	NORTH SEA AT 52-16.9N 01-42.4E NO.39A	SALINE WATER - COASTAL SITES - NON BATHING/SHELLFISH
TM562873	NORTH SEA AT 52-25.2N 01-46.2E NO.35	SALINE WATER - COASTAL SITES - NON BATHING/SHELLFISH
OAE029	R.ORE/ALDE HOME REACH SW OF MARTELLO TWR	SALINE WATER - DESIGNATED SHELLFISHERIES
OAE030	R.ORE/ALDE SLAUGHDEN QUAY	SALINE WATER - ESTUARINE SITES - NON BATHING/SHELLFISH
NSSC	NORTH SEA - SUFFOLK COAST	SALINE WATER - COASTAL SITES - NON BATHING/SHELLFISH
TM476635	SIZEWELL 'B' BEACH	SALINE WATER - COASTAL SITES - NON BATHING/SHELLFISH
WAV167	R.WAVENEY HADDISCOE NRA OFFICE	SALINE WATER - ESTUARINE SITES - NON BATHING/SHELLFISH
LO553950	LOWESTOFT NORTH BEACH OFF THE RAVINE	SALINE WATER - DESIGNATED BATHING BEACHES
SO513767	SOUTHWOLD BEACH AT PIER	SALINE WATER - DESIGNATED BATHING BEACHES
SO508754	SOUTHWOLD,THE DENES	SALINE WATER - DESIGNATED BATHING BEACHES
LO546923	LOWESTOFT BEACH NORTH OF CLAREMONT PIER	SALINE WATER - DESIGNATED BATHING BEACHES
LO543910	LOWESTOFT BEACH AT VICTORIA BATHING STN.	SALINE WATER - DESIGNATED BATHING BEACHES
LO552953	LOWESTOFT NORTH AT GUNTON DENES	SALINE WATER - DESIGNATED BATHING BEACHES
TM574912	NORTH SEA AT 52-27.4N 01-47.2E NO.34	SALINE WATER - COASTAL SITES - NON BATHING/SHELLFISH
TM542787	NORTH SEA AT 52-20.8N 01-44.0E NO.37	SALINE WATER - COASTAL SITES - NON BATHING/SHELLFISH
SC647251	NORTH SEA AT 52-06.5N 01-37.0E NO.43B	SALINE WATER - COASTAL SITES - NON BATHING/SHELLFISH
TM578954	NORTH SEA AT 52-29.6N 01-48.2E NO.33	SALINE WATER - COASTAL SITES - NON BATHING/SHELLFISH
WAV164	R.WAVENEY AT SOMERLEYTON	SALINE WATER - ESTUARINE SITES - NON BATHING/SHELLFISH
BLY062	R.BLYTH OFF TINKERS HOUSE	SALINE WATER - DESIGNATED SHELLFISHERIES
TM437464	NORTH SEA AT 52-03.0N 01-33.5E NO.46	SALINE WATER - COASTAL SITES - NON BATHING/SHELLFISH
BLY052	R.BLYTH 1KM D/S BLYFORD BRIDGE	SALINE WATER - ESTUARINE SITES - NON BATHING/SHELLFISH
BLY068	R.BLYTH REYDON QUAY	SALINE WATER - ESTUARINE SITES - NON BATHING/SHELLFISH
BLY080	R.BLYTH HARBOUR MOUTH	SALINE WATER - ESTUARINE SITES - NON BATHING/SHELLFISH
OAE023	R.ORE/ALDE BARBERS POINT IKEN	SALINE WATER - ESTUARINE SITES - NON BATHING/SHELLFISH
OAE025	R.ORE/ALDE U/S COB ISLAND	SALINE WATER - ESTUARINE SITES - NON BATHING/SHELLFISH
OAE027	R.ORE/ALDE U/S ALDBURGH STW O/F	SALINE WATER - ESTUARINE SITES - NON BATHING/SHELLFISH
OAE035	R.ORE/ALDE BLACKSTAKES REACH SUDBOURNE	SALINE WATER - ESTUARINE SITES - NON BATHING/SHELLFISH

Map 1 – Orford to Thorpeness



Map 2 – Thorpeness to Walberswick



customer service line
03708 506 506

incident hotline
0800 80 70 60

floodline
0345 988 1188
0845 988 1188

www.gov.uk/environment-agency

Map 3 – Walberswick to Kessingland



Map 4 – Kessingland to Lowestoft



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