

## Appendix 9-2: Data Sources



### *Previous Water Related Study & Reporting*

- i. BCL's hydrological and hydrogeological investigation completed in support of Planning Permission granted under Appeal Ref: APP/X2600/A/04/1166832 (26<sup>th</sup> January 2006).

### *Open Source Data*

- i. Topographic maps at scales of 1:50,000, 1:25,000 and 1:2,500, Ordnance Survey (OS);
- ii. Open-source digital data (Meridian2, Panorama and Terra50 data-sets), OS;
- iii. Open-source on-line satellite mapping, Microsoft Bing and OS, June 2020;
- iv. Composite LIDAR DTM data, Environment Agency (EA), June 2020;
- v. 1:50,000-scale solid & drift geological mapping, Sheet No. 147; Aylsham, British Geological Survey (BGS);
- vi. Geindex (<http://www.bgs.ac.uk/geindex>), well details and borehole logs, BGS;
- vii. On-line lexicon of named rock units (<http://www.bgs.ac.uk/lexicon>), BGS;
- viii. Environment Agency (EA):
  - On-line source protection zone (SPZ) mapping, June 2020;
  - On-line superficial aquifer designation mapping, June 2020;
  - On-line bedrock aquifer designation mapping, June 2020;
  - On-line groundwater vulnerability mapping, June 2020;
  - On-line flood mapping, June 2020;
  - On-line register of historic and licensed waste disposal sites, June 2020;
  - Risk of Flooding from rivers and the sea, digital mapping, June 2020;
  - Water resource availability, digital mapping, Water Framework Directive, Cycle 2, June 2020;
  - Catchment boundaries, digital mapping, Water Framework Directive, Cycle 2, June 2020;
  - Register of Licensed Abstractions, June 2020;
  - Rainfall data from closest EA gauging station, June 2020;
  - Hydrometric data collected at Crostwick Marsh and Spixworth Beck, EA, June 2020;
  - "Flood Map for Planning (Rivers and Sea) centred on NGR TG 25887 18271", EA drawing, 24<sup>th</sup> June 2020;
  - "Risk of Flooding from Surface Water", EA mapping, 24<sup>th</sup> June 2020;
  - "Risk of Flooding from Reservoirs", EA mapping, 24<sup>th</sup> June 2020;
- ix. Register of Deregulated (private) Water Supplies, Broadland District Council's Environmental Management Department, June 2020;
- x. Spatial mapping & citation information for Designated Sites of ecological interest (Sites of Special Scientific Interest [SSSI's] & Special Areas of Conservancy [SAC's]), June 2020, Natural England (NE);
- xi. "Flood Estimation Handbook Web Service" (<https://fehweb.ceh.ac.uk/>), June 2020;
- xii. "Climate & Drainage", Technical Bulletin No. 34, Ministry of Agriculture Fisheries & Food (MAFF), September 1976, and;
- xiii. "National River Flow Archive" on-line data-base of UK gauging stations.

### *Site Specific Data Sources*

- i. Topographic survey data, Tarmac, various 1999 to present;

- ii. Drawing No's. KD.SH.D.009 to KD.SH.D.016 (showing proposed working Phase 4B through to Phase 8; followed by Final Works, Concept Restoration and Technical Sections);
- iii. Piezometer data, Tarmac, 1999 to present, and;
- iv. Water Features Surveying, BCL, various, 1999 to present.