

**Preliminary Environmental Information Report:** Annex 2.3 – Surface Water Abstraction Licenses, Discharge Consents and Pollution Incidents

Date: July 2017



### **Offshore Wind Farm**





**Environmental Impact Assessment** 

Preliminary Environmental Information Report

Volume 6

Annex 2.3 – Surface Water Abstraction Licenses, Discharge Consents and Pollution Incidents

Liability

This report has been prepared by RPS, with all reasonable skill, care and diligence within the terms of their contract with DONG Energy Power (UK) Ltd.

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Date: July 2017

This report is also downloadable from the Hornsea Project Three offshore wind farm website at: www.dongenergy.co.uk/hornseaproject3

DONG Energy Power (UK) Ltd. 5 Howick Place, Prepared by: RPS London, SW1P 1WG Checked by: Jennifer Brack and Sarah Drljaca © DONG Energy Power (UK) Ltd, 2017. All rights reserved Accepted by: Sophie Banham Front cover picture: Kite surfer near one of DONG Energy's UK offshore wind farms © DONG Energy Hornsea Approved by: Sophie Banham Project Three (UK) Ltd., 2016.





### Hornsea 3 Offshore Wind Farm

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#### Introduction 1.

#### 1.1 Purpose

- 1.1.1.1 This annex (Annex 2.3) sets out the surface water abstraction licences, discharge consents and pollution incidents within the hydrology and flood risk study area for Hornsea Three. The data has been used to inform the baseline and impact assessment of volume 3, chapter 2: Hydrology and Flood Risk. Abstraction licences are a good indication of how the surface watercourses in the hydrology and flood risk study area are utilised. Discharge consents may affect the baseline quality of the receiving surface water, whilst pollution incidents identify where the quality of watercourses within the hydrology and flood risk study area may have been affected by pollution.
- 1.1.1.2 Details of the licences, consents and incidents have been obtained from a commercial data supplier (Groundsure Limited) and local authorities (North Norfolk District Council, Broadland District Council and South Norfolk District Council) in December 2016. The information is regulated by the Environment Agency and local authorities.
- It is noted that pollution incidents are classified by the Environment Agency into one of four categories 1.1.1.3 using their Common Incident Classification Scheme (CICS) (Environment Agency. The different categories of pollution incidents are defined in Table 1.1 below. The abstraction licences, discharge consents and pollution incidents are set out in Table 1.2 below and shown on Figure 1.1 Sheets 1 to 7.

Category	Criteria
Category 1	Major, serious, persistent or extensive impact or effect on the environment, people and/or property.
Category 2Significant impact of effect on the environment, people and/or property.Category 3Minor or minimal impact or effect on the environment, people and/or property.	

#### Table 1.1: Incident categories.





Reference	Licence Type	Easting	Northing	Licence Number	Operator	Abstraction Type	Source of Abstraction
Abstraction Licence	es l						
1	Abstraction Licence	610760	330490	AN/034/0006/007	C J C Lee (Saxthorpe) Ltd	Spray Irrigation - Storage	River Bure at Little London, Norfolk
2	Abstraction Licence	613110	311470	7/34/12/*S/0066	Honingham Aktieselskab	Spray Irrigation - Direct	River Tud AT HONINGHAM & EASTON
3	Abstraction Licence	613110	311470	AN/034/0012/002	Honingham Aktieselskab	Spray Irrigation - Storage	River Tud at Hill Farm
4	Abstraction Licence	614030	308920	7/34/13/*S/0136	Great Melton Farms Ltd	Spray Irrigation - Direct	River Yare, Marlingford
5	Abstraction Licence	616560	304970	7/34/13/*S/0259	H W & H G Back	Spray Irrigation - Storage	River Yare, Ketteringham stream, Hethersett
6	Abstraction Licence	616540	304980	7/34/13/*S/0259	H W & H G Back	Spray Irrigation - Storage	River Yare, Tributary of the Ketteringham Stream, Hethersett
7	Abstraction Licence	622035	303426	AN/034/0014/003	Tarmac Aggregates Limited	Mineral Washing, Dust Suppression, Process Water	Borehole/groundwater
Reference	Licence Type	Easting	Northing	EA Reference	Operator	Effluent Type	Receiving Environment
Discharge Consent	5						
8	Discharge Consent	610930	343460	AEENF12379	Sewerage Network - Pumping Station - water company	Final/treated effluent; Sewage Discharge – Storm Overflow / Storm Tank- Water Company; Sewage discharges - Pumping Station - water Company	Pond draining to Shingle Ridge
9	Discharge Consent	615136	306806	PRENF16229	Domestic Property (Single)	Final/treated effluent	Tributary of the River Yare
10	Discharge Consent	613610	309130	PRENF20419	Domestic Property (Single)	Final/treated effluent	River Yare
11	Discharge Consent	611479	335816	NPSWQD007307	Domestic Property (Multiple)	Final/treated effluent	Unnamed Drain
12	Discharge Consent	615360	306390	PRENF15395	Sewage disposal works - other	Final/treated effluent	Tributary of the River Yare
13	Discharge Consent	613150	309150	PRENF14104	Public Houses and Bars	Unspecified	Tributary of the River Yare
14	Discharge Consent	613692	309148	PR4NF1023X	Domestic Property (Single)	Final/treated effluent	River Yare
15	Discharge Consent	613110	309285	PRENF21048	Sewage disposal works - other	Final/treated effluent	Ditch Tributary of the River Yare
16	Discharge Consent	612800	317100	PRENF13605	Sewage disposal works - other	Final/treated effluent	River Wensum
17	Discharge Consent	611510	339510	PRENF20356	Sewage disposal works - other	Final/treated effluent	River Glaven
18	Discharge Consent	610700	343700	AW4NF13BX	Sewage Disposal Works - water company	Final/treated effluent	Shingle Ditch The Sea
19	Discharge Consent	613160	309120	PRENF15315	Domestic Property (Single)	Final/treated effluent	Tributary of the River Yare

#### Table 1.2: Surface Water abstraction licences, discharge consents and pollution incidents.





Reference	Licence Type	Easting	Northing	EA Reference	Operator	Effluent Type	Receiving Environment
20	Discharge Consent	612048	339371	EPRVP3625GK	Other Tourist/Short Stay Accommodation	Final/treated effluent	Tributary of the River Glaven
21	Discharge Consent	613740	309120	PRENF16586	Domestic Property (Single)	Final/treated effluent	River Yare
22	Discharge Consent	615930	306790	AW4NF1037	Sewerage Network - Pumping Station - water company	Sewage discharges - Pumping Station - water Company	Unknown Tributary of the River Yare
23	Discharge Consent	610400	332100	PR2NFE25766	-	Miscellaneous Discharge – Surface Water	Tributary Stour Estuary
24	Discharge Consent	612980	309170	PRENF00885	Sewage disposal works - other	Final/treated effluent	Tributary of the River Yare
25	Discharge Consent	615460	306370	PRENF15042	Domestic Property (Single)	Final/treated effluent	Tributary of the River Yare
26	Discharge Consent	615900	306800	AEENF2472	Sewage Disposal Works - water company	Miscellaneous Discharge – Emergency Discharges	Ditch
27	Discharge Consent	610500	330700	PR4NF1524	Domestic Property (Single)	Final/treated effluent	River Bure
28	Discharge Consent	613000	310000	PR4NF237X	Sewage disposal works - other	Final/treated effluent	River Yare
29	Discharge Consent	619700	303100	AEENF2228	Sewerage Network - Pumping Station - water company	Sewerage Network - Pumping Station - water company	Main IDB Ditch Tributary River Yare
30	Discharge Consent	609920	333180	PRELF01079	-	Unspecified	Land
31	Discharge Consent	609920	333720	PR4NF1334	Sewage disposal works - other	Final/treated effluent	Tributary River Bure
32	Discharge Consent	609820	333180	PRELF03073	-	Unspecified	Land
33	Discharge Consent	609800	333200	PR4LF83009	Domestic Property (Single)	Final/treated effluent	Land
Reference	Licence Type	Easting	Northing	Incident Reference	Pollutant	Water Impact	Date
ollution Incidents	s			•			
34	Pollution Incidents	611680	339640	169308	Oils and Fuel	Category 4 (No Impact)	27/06/2003
35	Pollution Incidents	622099	302186	196489	Inert Materials and Wastes	Category 4 (No Impact)	16/10/2003
37	Pollution Incidents	616720	304990	133869	Sewage Materials	Category 4 (No Impact)	17/01/2003
38	Pollution Incidents	612296	322426	23066	Specific Waste Materials	Category 4 (No Impact)	09/08/2001
39	Pollution Incidents	613070	311010	137684	Inorganic Chemicals/Products	Category 4 (No Impact)	18/02/2003
40	Pollution Incidents	613092	310866	62739	Oils and Fuel	Category 4 (No Impact)	08/03/2002
41	Pollution Incidents	611520	336590	156913	Agricultural Materials and Wastes	Category 4 (No Impact)	08/05/2003
42	Pollution Incidents	620125	303004	136271	Sewage Materials	Category 3 (Minor)	11/02/2003







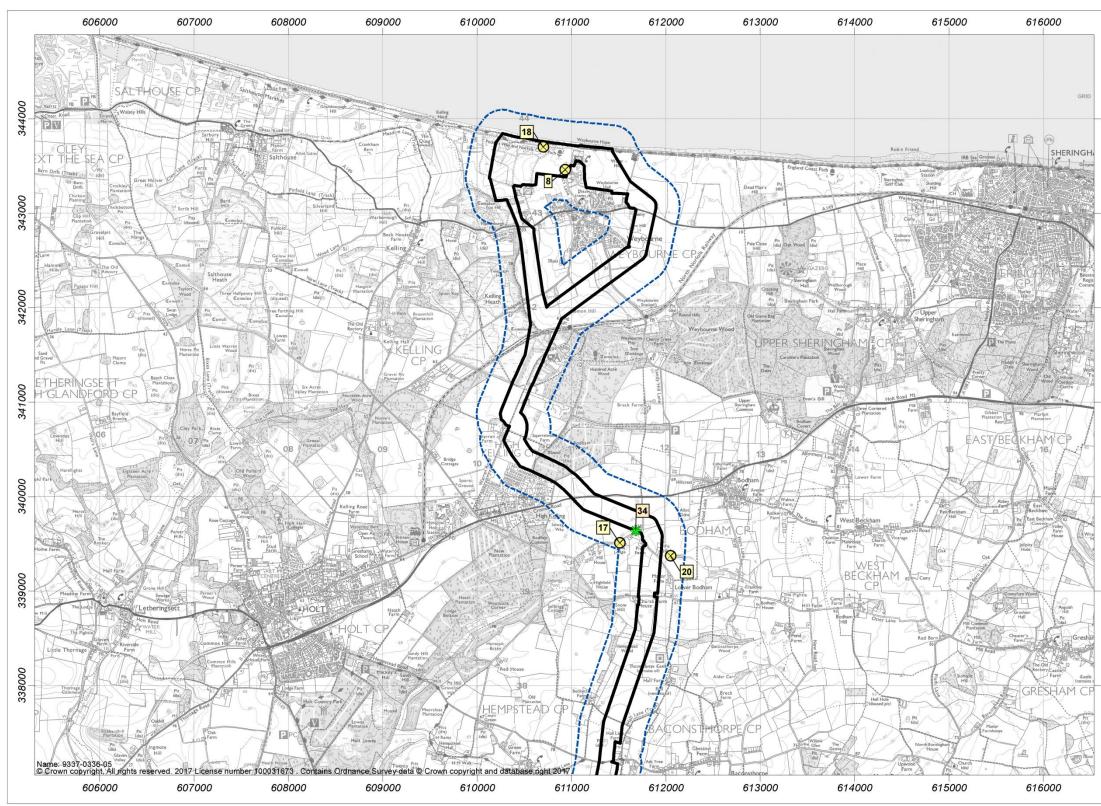


Figure 1.1: Abstraction Licences, Drainage Consents and Pollution Incidents.



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Abstractions, Discharge Consents and Incidents. Surface water only - Sheet - 2	l Pollution
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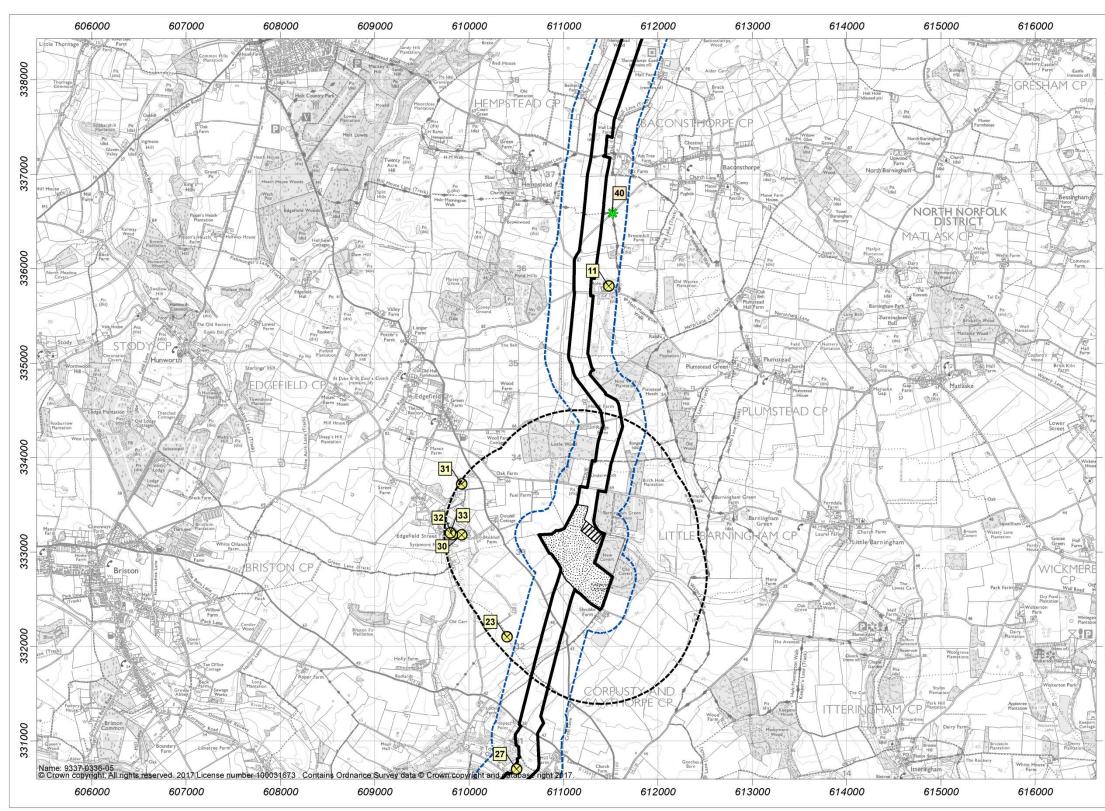


Figure 1.1: Abstraction Licences, Discharge Consents and Pollution Incidents.



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338	Onshore HVAC booster station - temporary									
	250m Buffer from Onshore cable corridor search area									
	Sea Current licensed abstractions									
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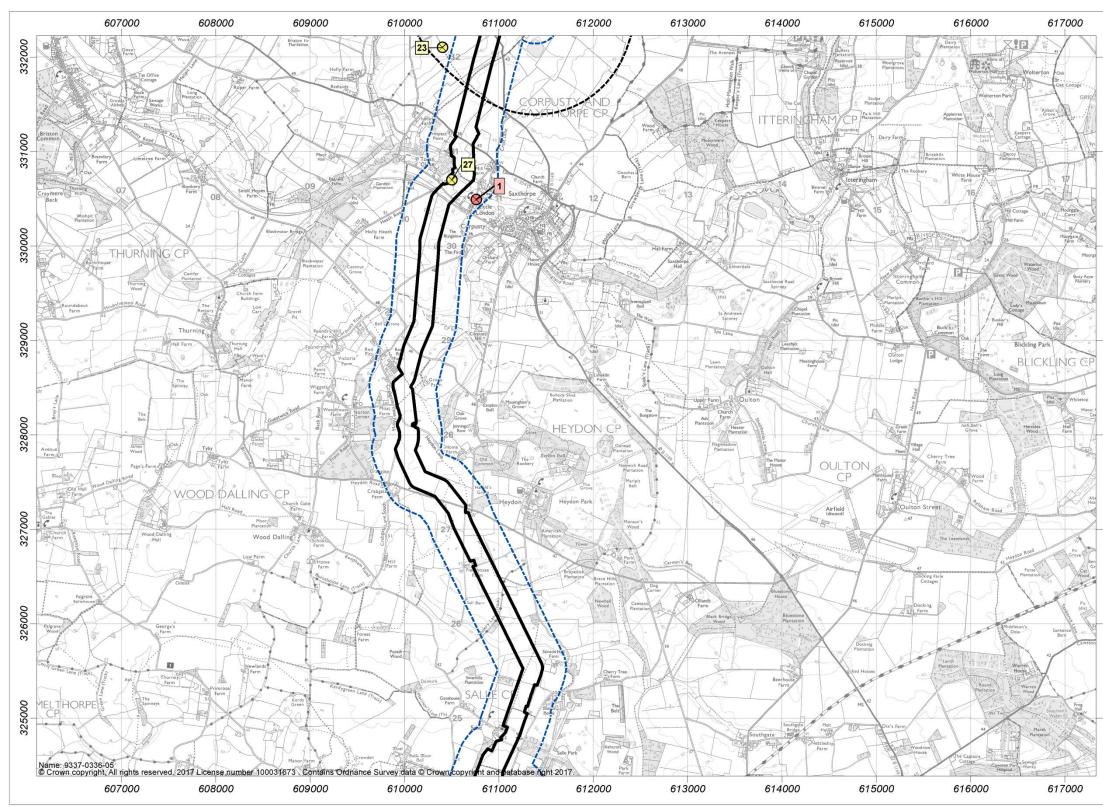


Figure 1.1: Abstraction Licences, Discharge Consents and Pollution Incidents.



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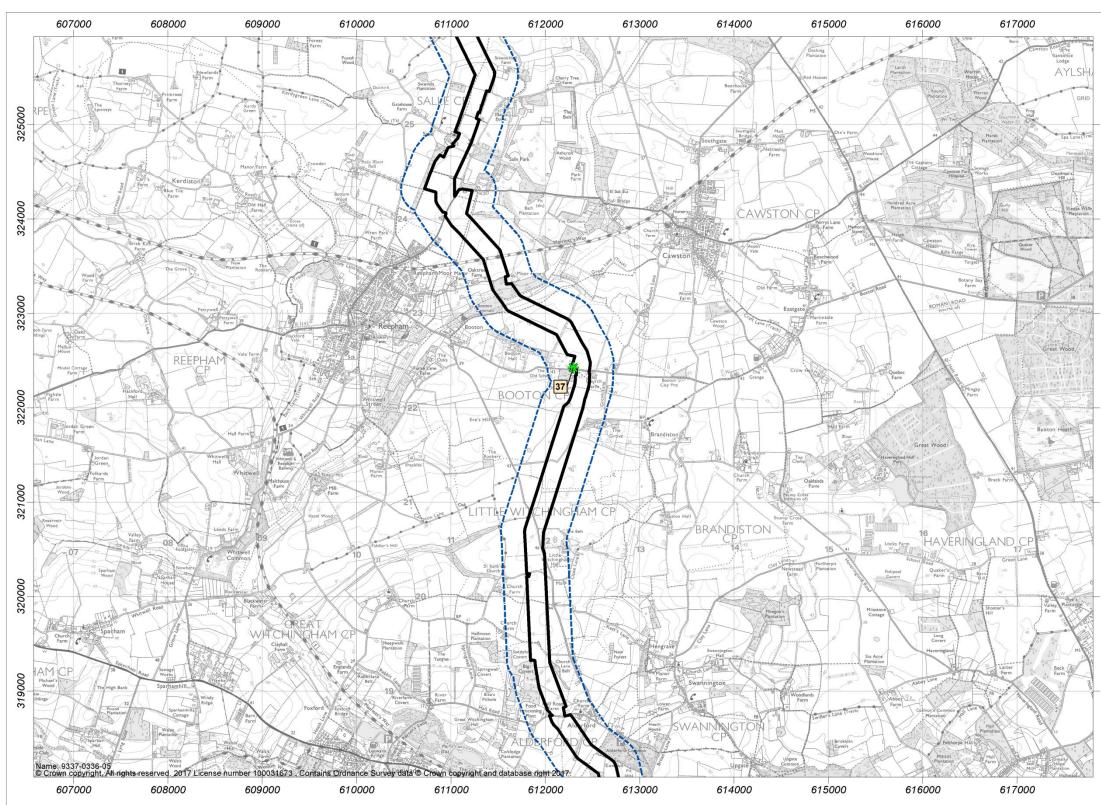


Figure 1.1: Abstraction Licences, Discharge Consents and Pollution Incidents.



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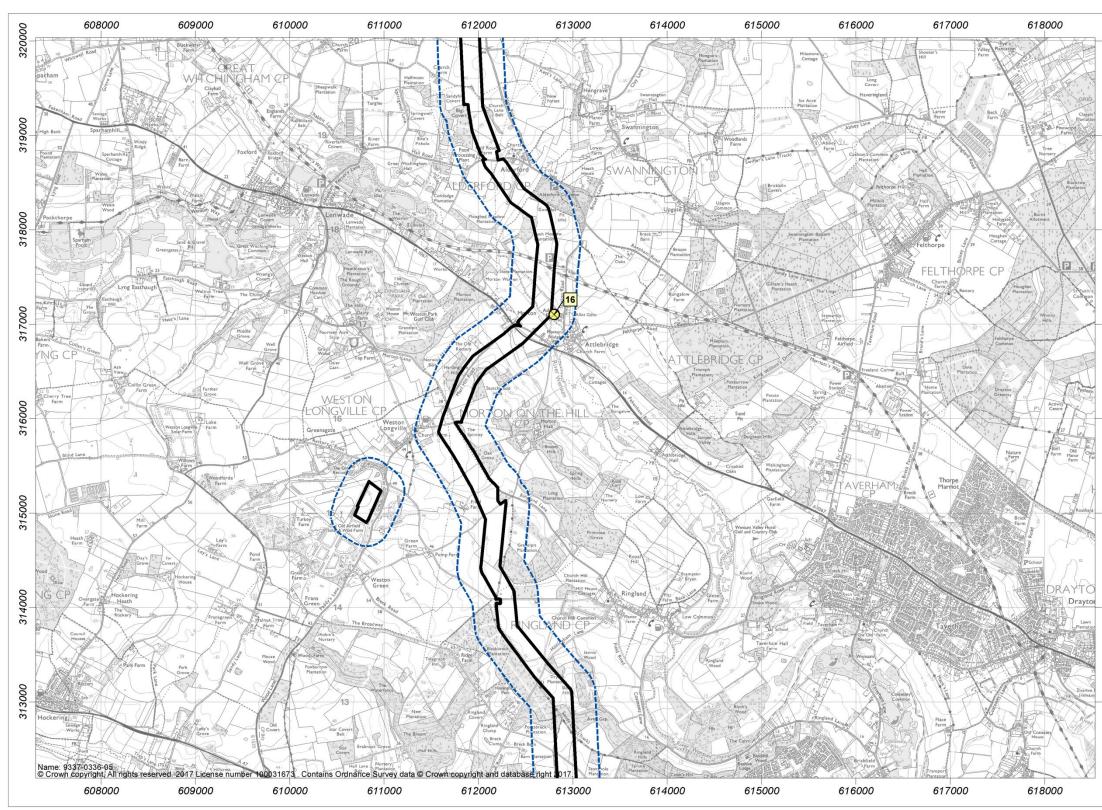


Figure 1.1: Abstraction Licences, Discharge Consents and Pollution Incidents.



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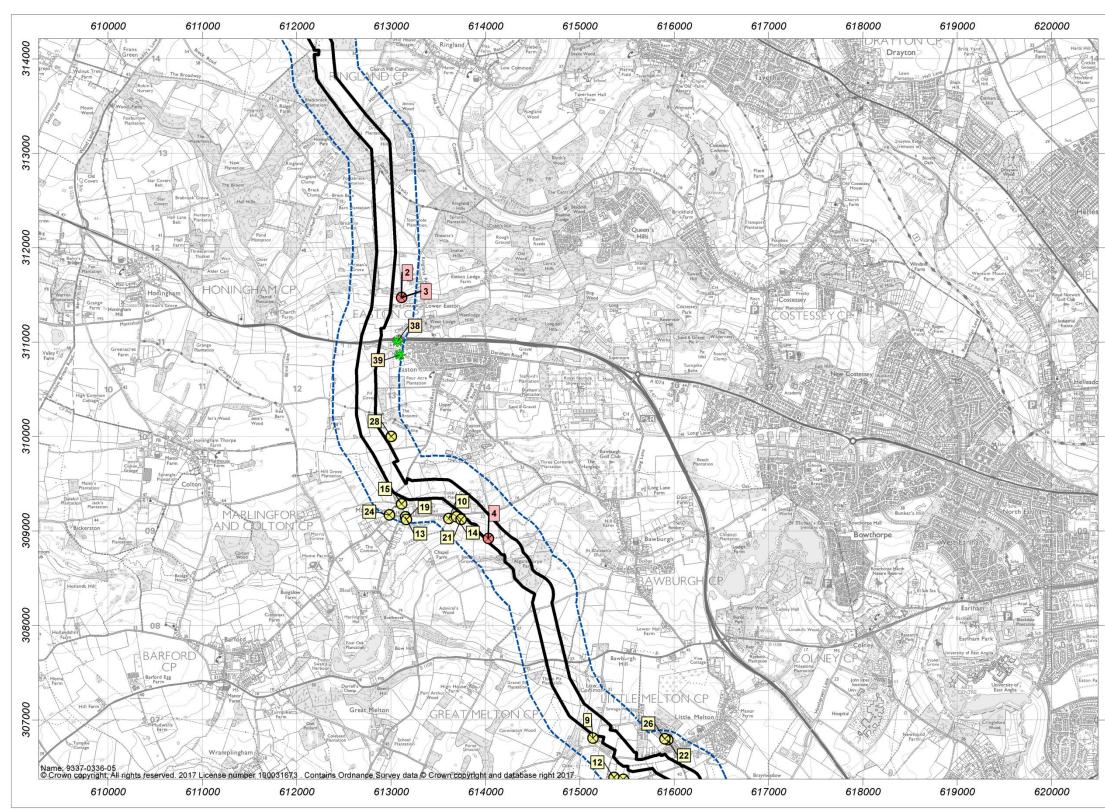


Figure 1.1: Abstraction Licences, Discharge Consents and Pollution Incidents.



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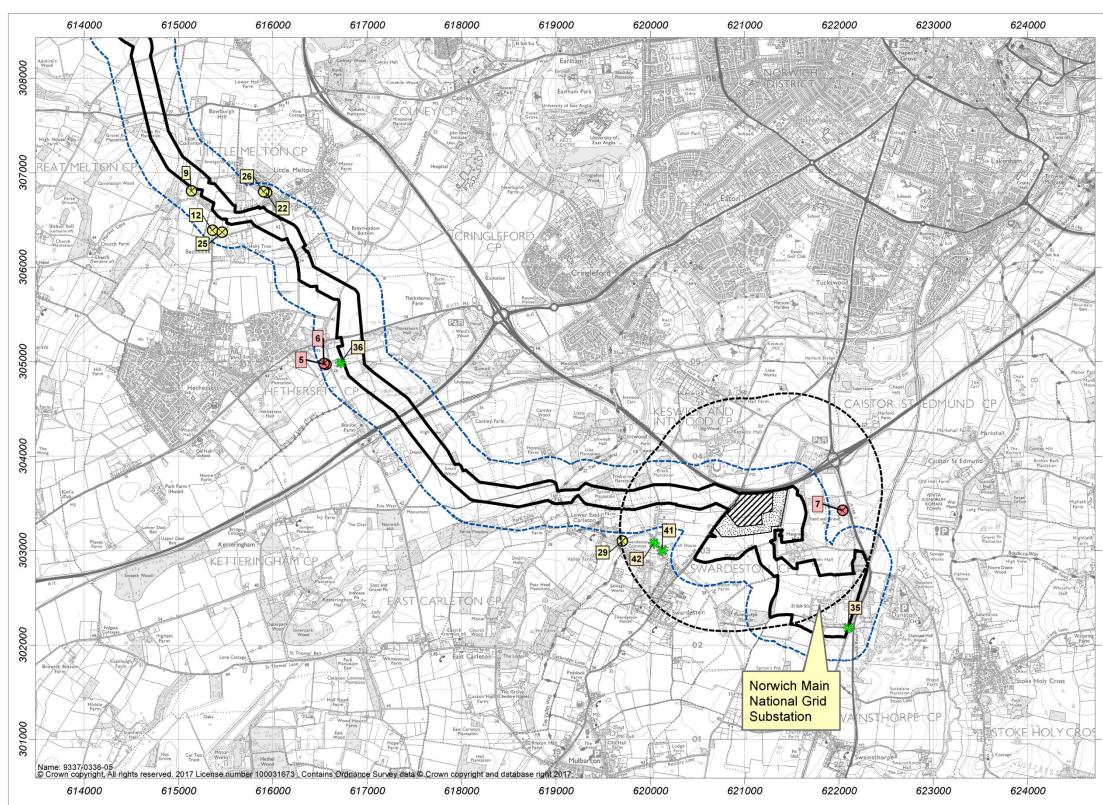


Figure 1.1: Abstraction Licences, Discharge Consents and Pollution Incidents.



2		re cable corridor search		
308000	Onshore HVDC converter/HVAC substation - permanent Onshore HVDC converter/HVAC substation - temporary			
	250m Buffer from Onshore cable corridor search area			
	S EA Current licensed abstractions			
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