



Preliminary Enviror	
Annex	

Date: July 2017





Hornsea Project Three

Offshore Wind Farm

nmental Information Report: 1.1 – Borehole Logs (Part 2)





Environmental Impact Assessment

Preliminary Environmental Information Report

Volume 6

Annex 1.1 – Borehole Logs

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.

Report Number: P6.6.1.1

Version: Final

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: RPSLondon, SW1P 1WGChecked by: Tracey Siddle and Jennifer Brack© DONG Energy Power (UK) Ltd, 2017. All rights reservedAccepted by: Sophie BanhamFront cover picture: Kite surfer near one of DONG Energy's UK offshore wind farms © DONG Energy HornseaApproved by: Sophie Banham







Appendix A: Borehole Records



Annex 1.1 – Borehole Logs Preliminary Environmental Information Report July 2017



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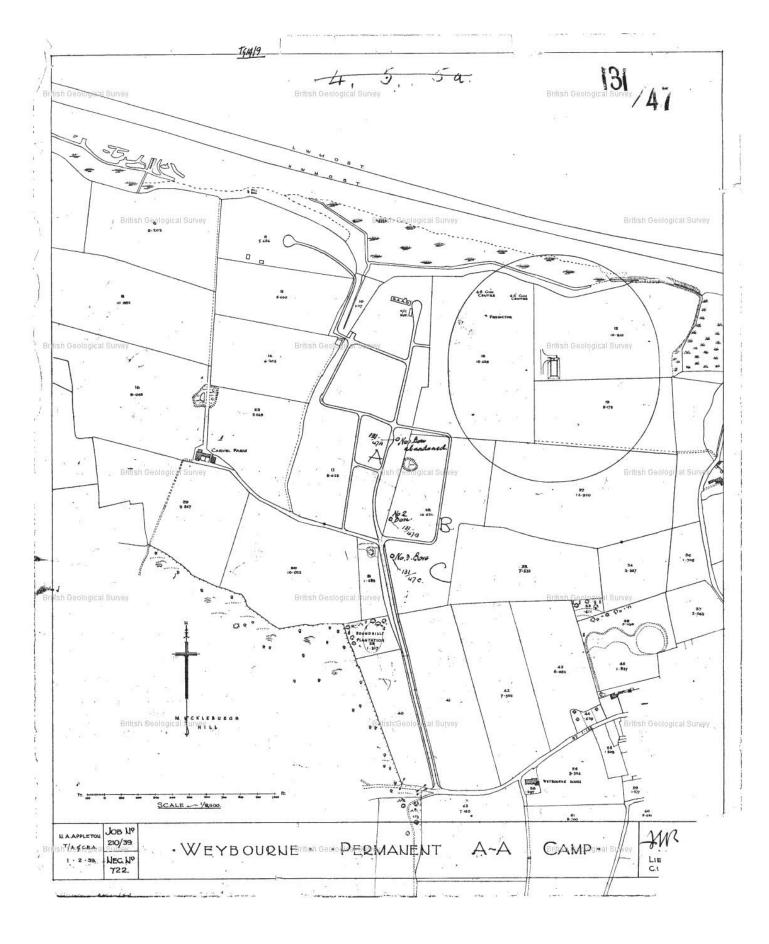
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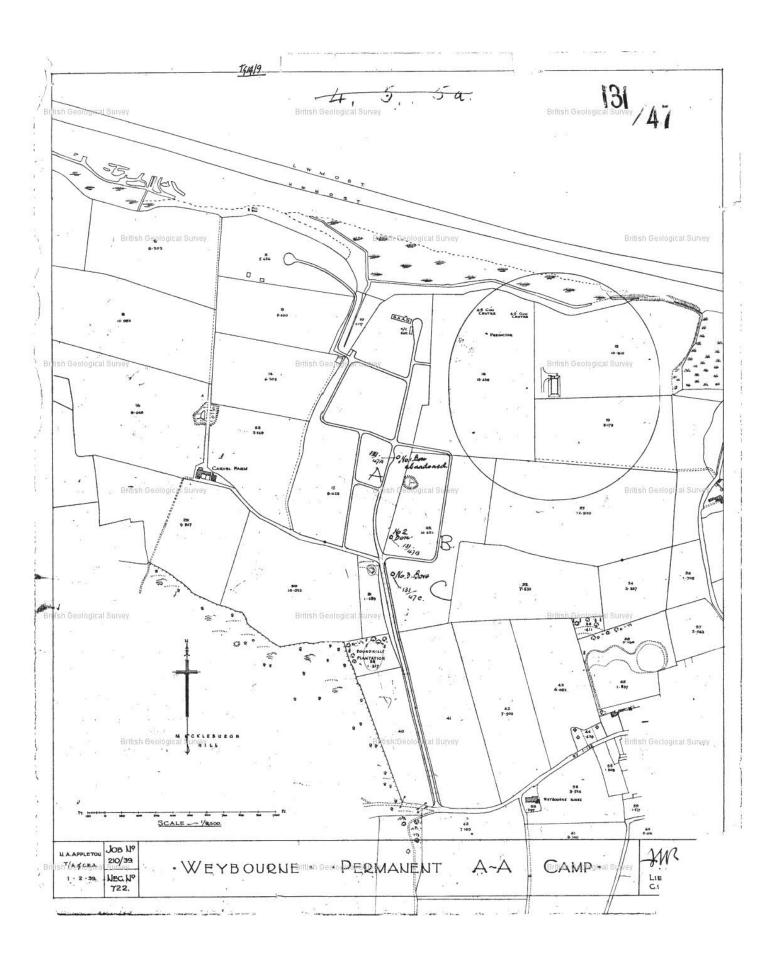
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ning tubes: 197½ × 6 in. Ck -89. R.W.L. B 7G 1039 4333	
P.W.L. +21%. Yield 2,500 g.p.h.	
g.p.h. Nov. 1956. R.W.L. +38. P.W.L.	
Georgen Survey -83. R.W.L. +28. P.W.L. +16. C TG 1039 4325	ļ
n. Ck -22. Water struck at -40. R.W.L. D 79 1036 4317	1
P.W.L. +19%. Yield 4,500 g.p.h. Oct. 1952. t. 1960. R.W.L. +44. Oct. 1964.	
to 8 in at depth. Lining tubes: × 15 in	
8 in from 174 down (perforated). Ck -73.	
N.L40. Recovered to -10 in 65 min. Dando, Apr. 1952. 臣 79 1008 4380	
Nov. 1956. R.W.L7%. P.W.L12%.	

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and flints	8	10	
and stones	14	24	British Geological Suivey
ind stones	41	65	43
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gravel	46%	121%	
1550	1/2	122	

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op 25 ft	128	250
RATA		THICKNESS
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Record of Well (SHAFT or Bore)	(For Survey use only) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA - If measurements start I ground surface, state ho
Town or Village Weybourne, Holt		
County Norfold Six-inch quarter sheet 10 N.W.E. 410	5 - 21 25	Soil
For Mr. W.O.	2	Clay
Franct site of small	6 4 C	Dand
British Geological Survey British Geological Survey a map, or a sketch- map, if possible.	British Geological Suivey	Dank sand
Level of ground surface above sea-level (O.D.) 100 feet.	* *	
Is well-top at ground level ? If not, state how far above ;feet.	÷	Clay mixed with Boulder ciay
LS were top at ground is the second	e.	
Shaftft., diameterft. Details of headings	6 - 2 ×	Shingle & stone
ological Survey British Geological Survey	British Geological Survey	Challigh Geological Survey
Bore 222 ft.; diameter of bore: at top 6 ins.; at bottom ins.	18 77	
Lengths, diameters, perforations, etc., of lining tubes	4 3 4	
	10 K (10 K (10 K)	
Water struck at depths, below well-top, of (feet)	11	
British Geological Survey British Geological Survey British Geological Survey	British Geological Survey	British
TEST DETAILS Rest-level of water /2 ft. below well-top. Suction atft. Yield ondays'	64	
Month pumping 1800 gallons per Lour (max. capacity of pumpg.p.h.),	17 (P) (P)	2
Year with depression of $\frac{12}{2}$ feet. Recovery to $\frac{72}{10}$ in hours.		li i
above	*	
(Rest-level of water in(month),(year),ft. above below well-top.	British Geological Survey	e 🕴 🕴 British Geological Survey
Highest ,, in (month), (year), ft. below "		i i
WORKING Lowest ,, in(month),ft. above below ,	2. 10	A 94 - 18
CONDITIONS		1. ²⁵
Suction atft. Rate of pumpinggalls. perforhours per day.	ei 	ß
with average depression offt. Recovery toinhours		•
British Geological Survey British Geological Survey British Geological Survey Quality of water (atlach copy of analysis if available)	British Geological Survey	British
Well made by Buckington Date of well 1939	8 <u>2</u> 8	
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Additional Information Sheet No.....

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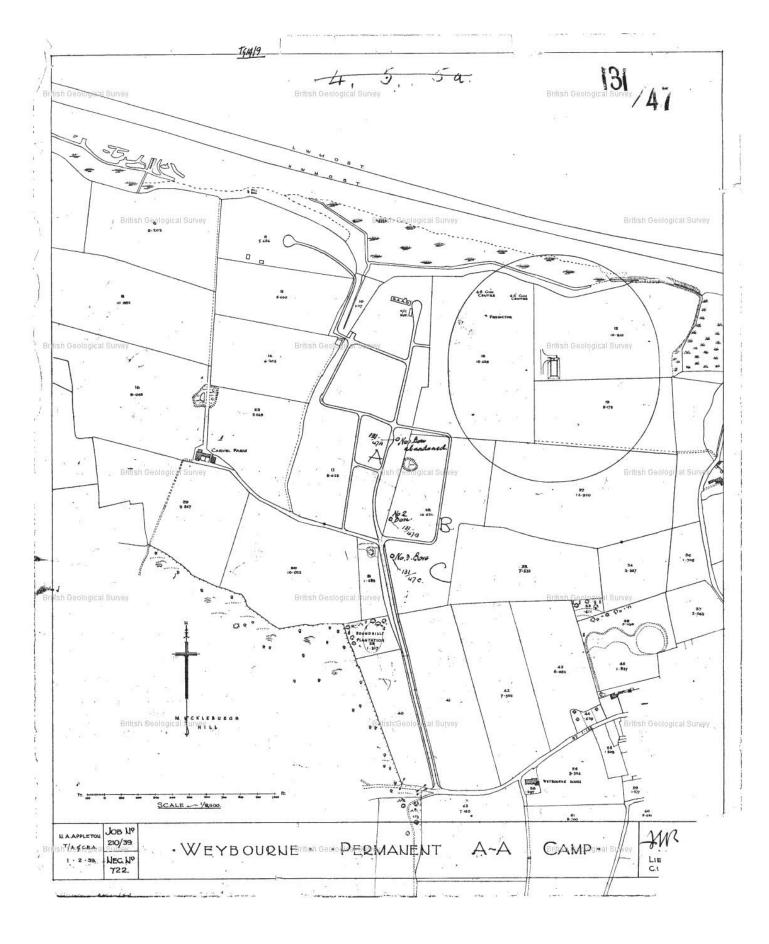
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NGRC **BOREHOLE RECORDS ADJUSTMENT FORM**

British Geological Survey

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British Geological Survey

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Ť,	Viold 2 000 g.p.h. (72 b	h. test). Sand entered. 1938. e +93. Bore 224. Lining tubes:	197% × 6 in. Ck -89. R.W.L.		
, +	25 Vield 2, 350 g.p.h. Buc	ckingham, 1938. B 77 . 1947. R.W.L. +34%. P.W.L. +21	G 1039 T383		
9	Aug. 1953. R.W.L. +34. P.W.	.L. +7. Yield 1,666 g.p.h. Nov.	1956. R.W.L. +38. P.W.L.	WEYBOURNES, 57/565614; 8m. W. B	Offeel
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	Yield 600 g.p.h. Aug. (d) Surface +100. Lin	ing tubes: 153% × 6 in. Ck -22.	Water struck at =40. R.W.L.	- 24' Sandy chalk Flints & St - 65' Grey Chalk Flints & Sto	one
	+18. R.E., Mar. 1942. Yield 1,200 g.p.h. Aug	D 79 (1947. R.W.L. +32. P.W.L. +19%	. Yield 4,500 g.p.h. Oct. 1952.	Y - 75' Light Brown Cley, Ohalk Stopes & FlintSuper Sciences 2 FliptSuper Sciences 2	
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1	Suction -112. Vield 7,060 g	55. R.W.L10. P.W.L40. Re g.p.h. (14 d. test). Dando, Apr.	1932. E 141008 (000		
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TG14/9 CHARACTER !! '. GROMER. British Geological Survey Started drilling 13.3.42. Finished "**\$25**' 29.3.42. Water struck at 140' and lower. R.W.L. 82'. 153'4"X6" casing; other casing; pulled. Quoted in Calabort 25' very soft). States and N * Geological Survey British Geological Survey Certors n Geological Survey

British Geological Survey	British Geological Survey British Geological Survey	British Geological Survey	British Geological Survey Surface +95. Sha P.W.L. +21. Yield 600	Lodge, Weybourne. 7C aft 50 × 4; rest bore 4/4 i) g.p.h. (8 h. test). Bar ly 1950. Electric pump. ft
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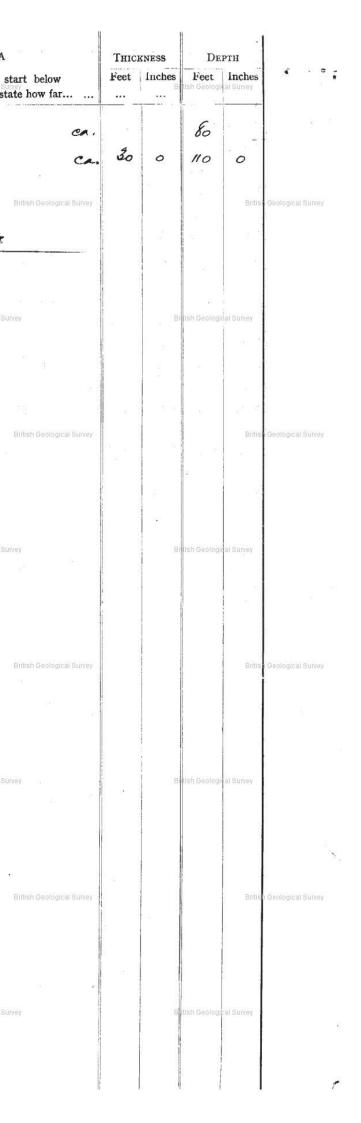
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