



A great place to live, work & play

Scarborough Borough Council

Condition Survey of Inclinerometers and Piezometers – 9/4/2013



Royal HaskoningDHV
Enhancing Society Together

Location

Filey Town

At top of slipway, opposite the gift shop (next to amusement arcade), on the seaward side, close to the last lamppost.

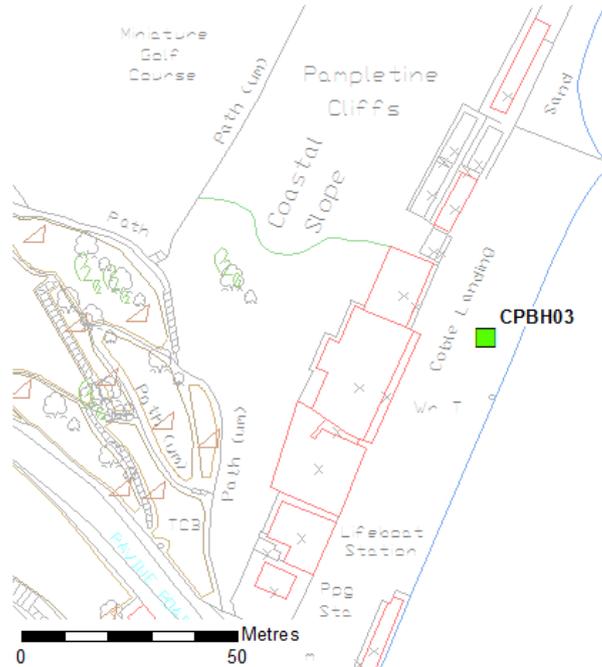
Borehole

CPBH03

Inclinometer

Map

GPS Reference:
TA 12091 80915



Location Photo

(looking south-east)

Last lamppost on the promenade before the slipway



Borehole CPBH03

Condition Photos			
Condition	<ul style="list-style-type: none"> • Cover ok, but hinge very stiff. • Not locked, screw does not work. • No cap to inner tube. • In tarmac promenade – no vegetation issues. 		
Known Depth	10.00m	Recorded Depth	10.10m
Comments	<ul style="list-style-type: none"> • Access restricted – boat was parked over the top. • Not enough space under boat to get dummy inclinometer down. • Water recorded at 0.35m. 		



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Location

Filey Town

On cliff top footpath (Cleveland Way) in southern section of Filey Brigg Country Park, between first and second benches, nearly in line with southern edge of car park.

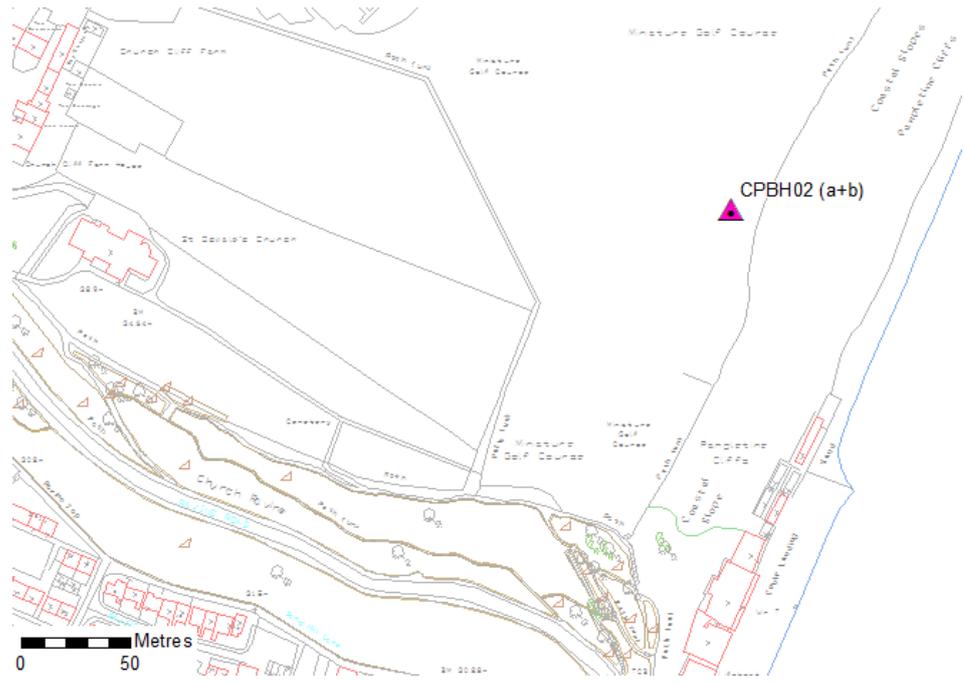
Borehole

CPBH02

Piezometer – twin (Diver)

Map

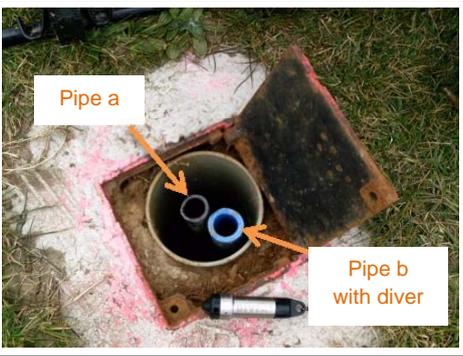
GPS Reference:
TA 12063 81086



Location Photo

(looking north-west)



Condition Photos					
Condition	<ul style="list-style-type: none"> • Cover and hinge ok, painted red. • Locked with screw. • Concrete surround ok. • Vegetation ok – mown grass, well maintained. 				
Recorded Depth to Instrument	a) 34.4m b) 27.94m		Recorded Depth to Water	a) 30.80m b) dry	
Known Depth to Instrument	a) 34.40m b) 27.80m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"> • Double piezometer with diver in pipe b (blue pipe). • Diver length of 26.9m. 				



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Location

Filey Town

In southern section of Filey Brigg Country Park, in scrubland along southern edge of mown grass area, in line with the corner of the red brick wall around graveyard.

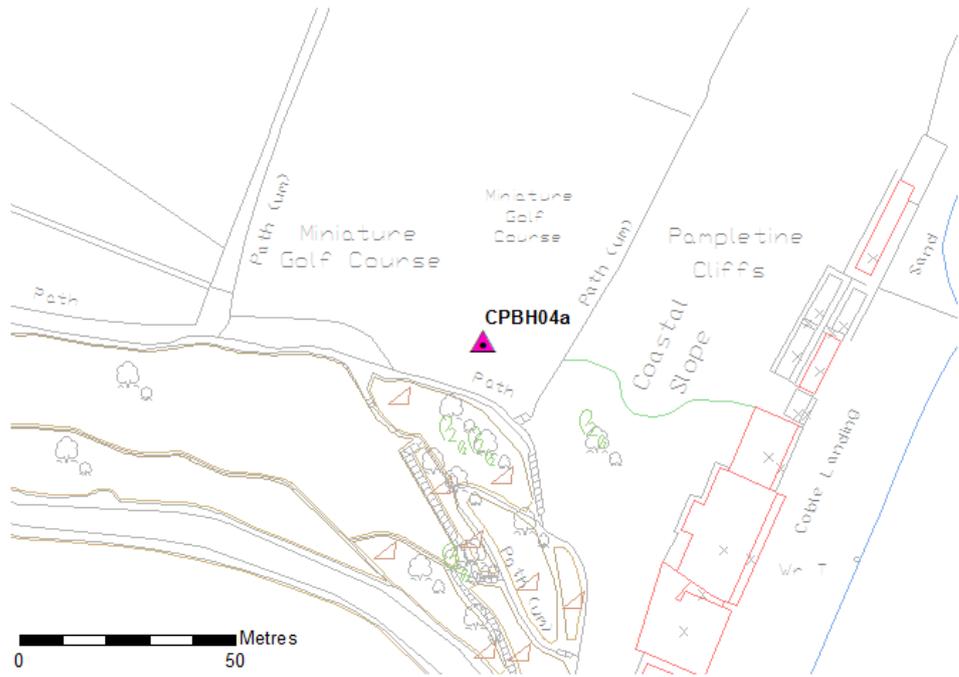
Borehole

CPBH04

Piezometer – twin (Diver)

Map

GPS Reference:
TA 12006 80952



Location Photo
(looking west)



<p>Condition Photos</p>					
<p>Condition</p>	<ul style="list-style-type: none"> • Cover and hinges ok, locked with screw. • Concrete surround ok. • Located in scrub area, longer grass will be a problem in summer. 				
<p>Recorded Depth to Instrument</p>	<p>a) 29.85m b) 19.81m</p>	<p>Recorded Depth to Water</p>	<p>a)25.62m b) 19.58m</p>		
<p>Known Depth to Instrument</p>	<p>a) 30.00m b) 23.00m</p>	<p>Last Recorded Water Depth</p>	<p>Not available</p>	<p>Record Date</p>	<p>Not available</p>
<p>Comments</p>	<ul style="list-style-type: none"> • Double piezometer with diver in pipe b (blue pipe). • The nail from which the diver is suspended is at the side of the pipes, rather than across the top of pipe b due to space between top of pipe and borehole cover. • Diver length of 19.47m. 				



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Location

Filey Town

In the corner of the field to the north of the road at the entrance to Filey Brigg Country Park. Opposite North Gate at Church Cliff Farm.

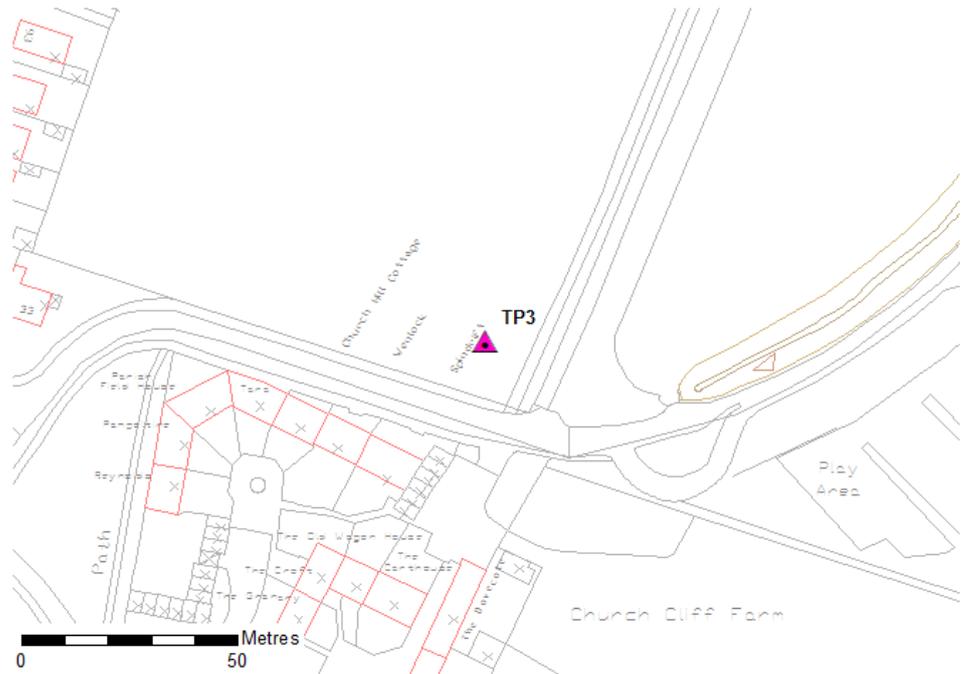
Borehole

TP3

Piezometer

Map

GPS Reference:
TA 11762 81223



Location Photo

(looking east)



Condition Photos			Cover padlocked (unable to access).			
Condition	<ul style="list-style-type: none"> • Raised tube – rusting, loose and at an angle (at edge of ploughed field, potentially hit by tractor). • Concrete surround is broken. • Protective fencing around the borehole is loose and damaged. • Cover is padlocked (unable to access). • Little vegetation growth, protective fencing highlights position of borehole. 					
Recorded Depth to Instrument	Not available		Recorded Depth to Water	Not available		
Known Depth to Instrument	4.00m	Last Recorded Water Depth	Not available	Record Date	Not available	
Comments	<ul style="list-style-type: none"> • Access to field is through a locked gate, presumably locked by farmer. 					



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Location

Filey Town

In northern end of Filey Brigg Country Park, beyond the car park and café. In grassed area between the road (close to the final bend in the one way system) and fence line.

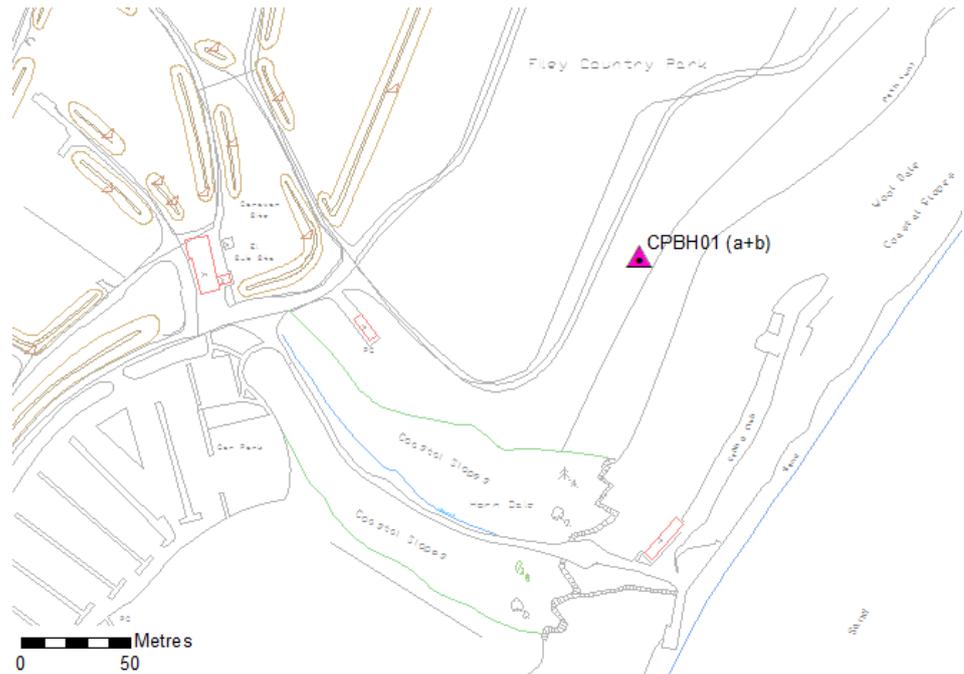
Borehole

CPBH01

Piezometer – twin (Diver)

Map

GPS Reference:
TA 12220 81432



Location Photo

(looking west)



<p>Condition Photos</p>						
<p>Condition</p>	<ul style="list-style-type: none"> • Cover and hinge ok, painted red. Locked with screw. • Concrete surround ok. • Vegetation ok – mown grass, well maintained. 					
<p>Recorded Depth to Instrument</p>	<p>a) 20.68m b) 4.48m</p>	<p>Recorded Depth to Water</p>	<p>a) 19.88m b) 2.03m</p>			
<p>Known Depth to Instrument</p>	<p>a) 20.50m b) 4.80m</p>	<p>Last Recorded Water Depth</p>	<p>Not available</p>	<p>Record Date</p>	<p>Not available</p>	
<p>Comments</p>	<ul style="list-style-type: none"> • Double piezometer with diver in pipe b (blue pipe). • Diver length of 4.25m • Outer tube full of water. 					



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Location

Filey Town

In north-west (back) corner of field to the west of the nature reserve off Fir Tree drive.

Borehole

BHB

Piezometer

Map

GPS Reference:
TA 11045 81735



Location Photo

(looking north-east)



Condition Photos

Cover padlocked (unable to access)

Condition	<ul style="list-style-type: none"> • Raised tube. • Cover ok, padlocked (unable to access). • Protective fencing is loose. • Vegetation ok – scrub at edge of ploughed field, but tube is raised and protective fencing highlights location. 				
Recorded Depth to Instrument	Not available	Recorded Depth to Water		Not available	
Known Depth to Instrument	10.05m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"> • Access – track from A1039 Scarborough Road at western edge of housing (opposite Copse Hill), 250m up the track is access into south-west corner of adjacent field, there is then a gate into the required field in its south-west corner. 				



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Location

Filey Town

Halfway along southern boundary of field to east of nature reserve off Fir Tree Drive. Immediately behind No. 45 Wooldale Drive.

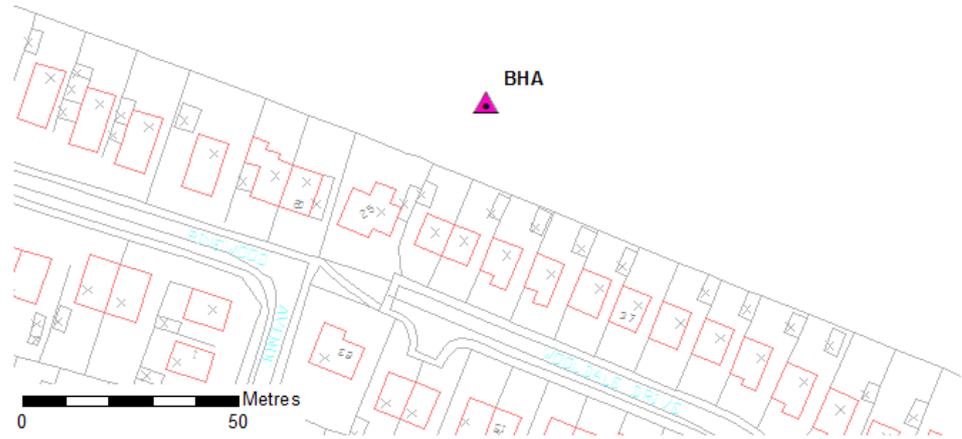
Borehole

BHA

Piezometer

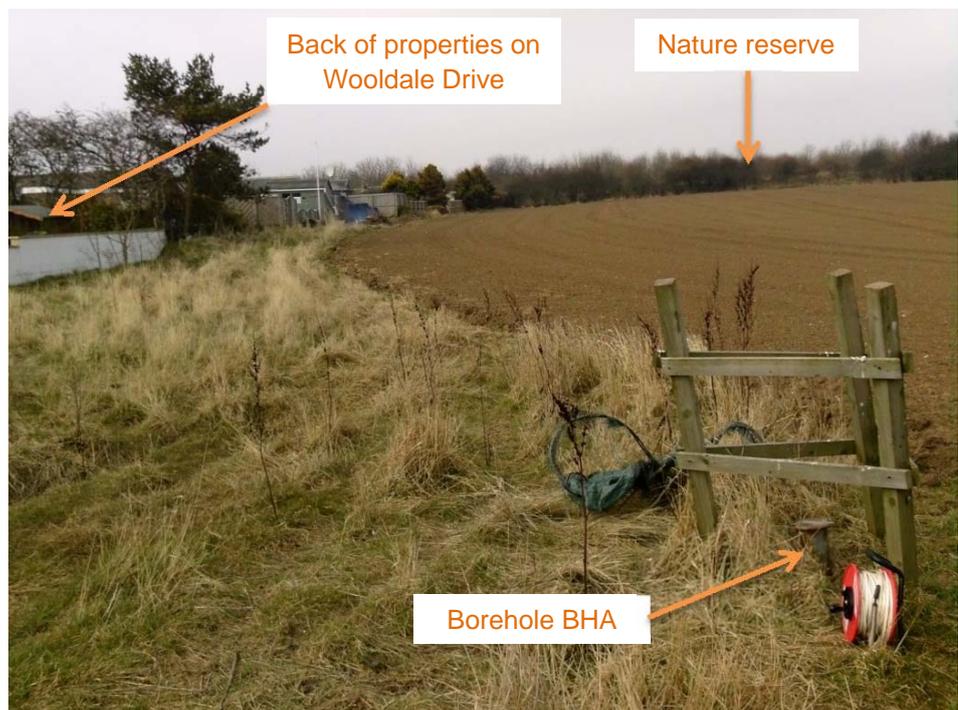
Map

GPS Reference:
TA 11398 81529



Location Photo

(Looking north-west)



Condition Photos			Cover padlocked (unable to access).			
Condition	<ul style="list-style-type: none"> • Raised tube and cover in ok condition. Cover padlocked (unable to access). • Protective fencing loose. • Vegetation ok – in scrub at edge of ploughed field, but raised tube and protective fencing highlight location. 					
Recorded Depth to Instrument	Not available		Recorded Depth to Water	Not available		
Known Depth to Instrument	10.00m	Last Recorded Water Depth	Not available	Record Date	Not available	
Comments	<ul style="list-style-type: none"> • Access through fields from locked access gate at entrance to Filey Brigg Country Park (opposite North Gate of Church Cliff Farm), assumed that farmer has key. 					



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Location

Filey Town

In grassed area behind benches to the south-east of the wishing well in the park off The Crescent. Park entrance opposite Rutland Street.

Borehole

CPBH06

Piezometer – twin (diver)

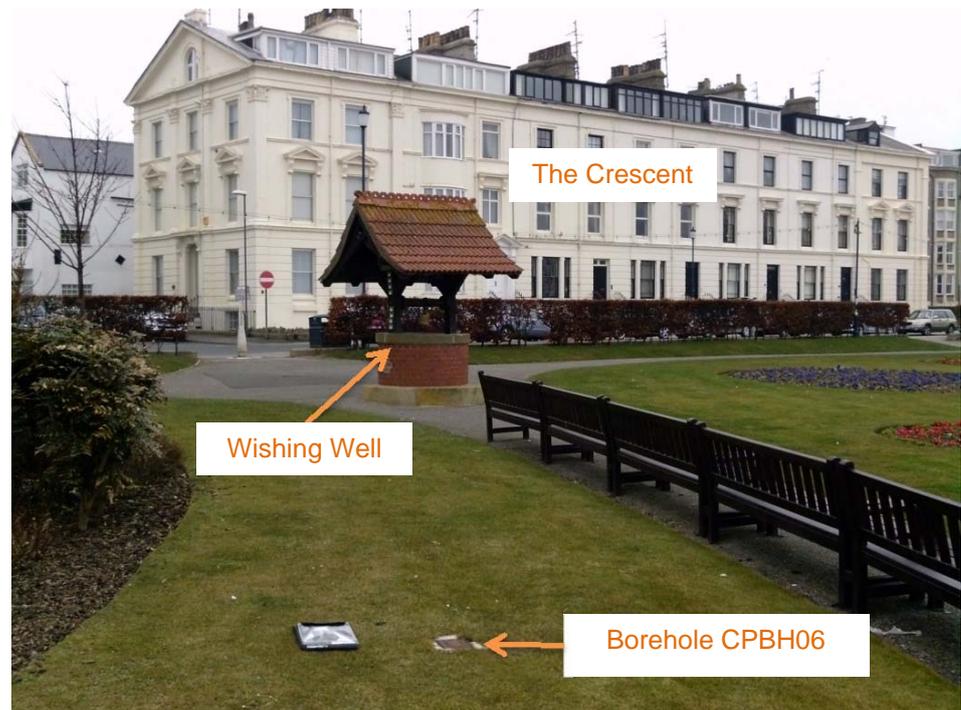
Map

GPS Reference:
TA 11883 80420



Location Photo

(looking north-west)



<p>Condition Photos</p>					
<p>Condition</p>	<ul style="list-style-type: none"> • Cover and hinge ok, locked with screw. • Concrete surround ok. • Vegetation ok – mown grass, well maintained. 				
<p>Recorded Depth to Instrument</p>	<p>a) 11.3m b) 20.8m</p>	<p>Recorded Depth to Water</p>	<p>a) 9.40m b) 10.88m</p>		
<p>Known Depth to Instrument</p>	<p>a) 29.50m b) 21.00m</p>	<p>Last Recorded Water Depth</p>	<p>Not available</p>	<p>Record Date</p>	<p>Not available</p>
<p>Comments</p>	<ul style="list-style-type: none"> • Double piezometer with diver in pipe b (blue pipe). • Diver has two instruments, one at ground level and the other at 15.5m. • Piezometer pipes are low in the outer tube, measurements taken to top of outer tube. 				



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Location

Filey Town

In grassed area on landward side of footpath, to the south of the dinosaur (Pleisosaur) sculpture and large shelter.

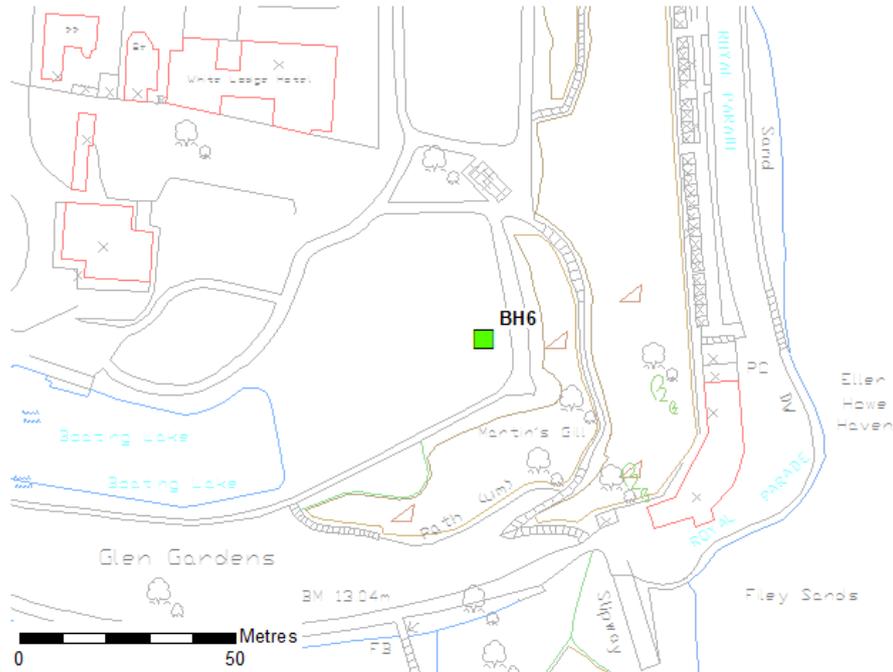
Borehole

BH06

Inclinometer

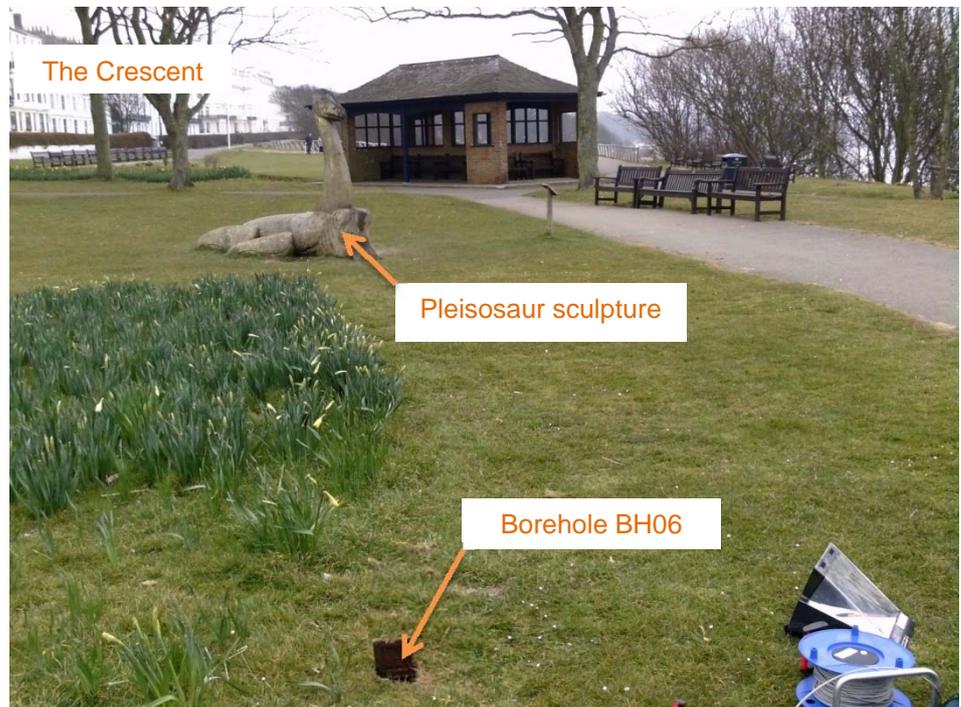
Map

GPS Reference:
TA 11904 80028



Location Photo

(looking north)



<p>Condition Photos</p>			
<p>Condition</p>	<ul style="list-style-type: none"> • Cover ok but very rusted, hinge is very rusted and stiff. • Locking screw present but rusted and no longer working. • No cap present in internal tube. • Slightly overgrown by grass but in well maintained mown grass area. 		
<p>Known Depth</p>	<p>30.00m</p>	<p>Recorded Depth</p>	<p>30.46m</p>
<p>Comments</p>	<ul style="list-style-type: none"> • Water recorded at 8.68m. • Dummy inclinometer went to 30.31m. • Adjacent to Borehole CPBH08 – closer to footpath than BH06. 		



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Location

Filey Town

In grassed area on landward side of footpath, to the south of the dinosaur (Pleisosaur) sculpture and large shelter.

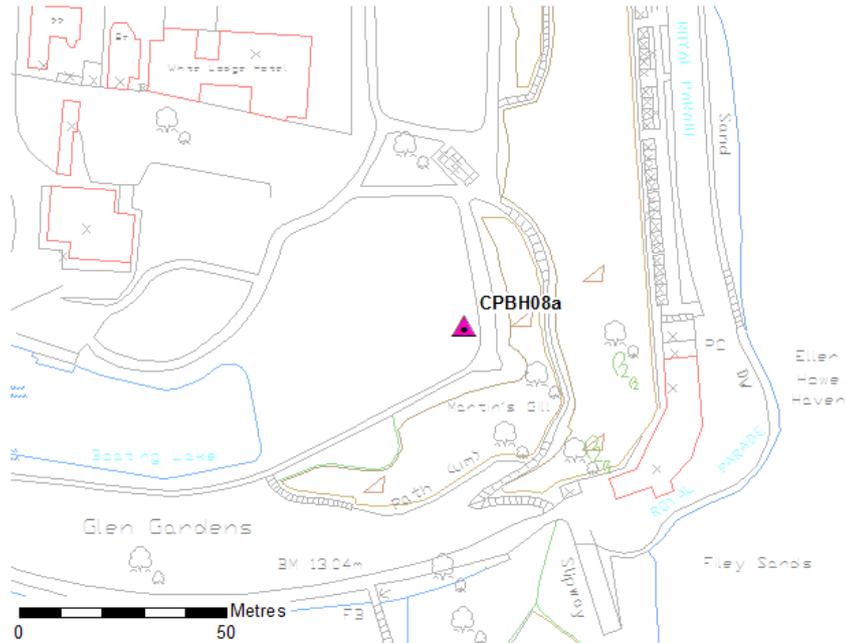
Borehole

CPBH08

Piezometer – twin (diver)

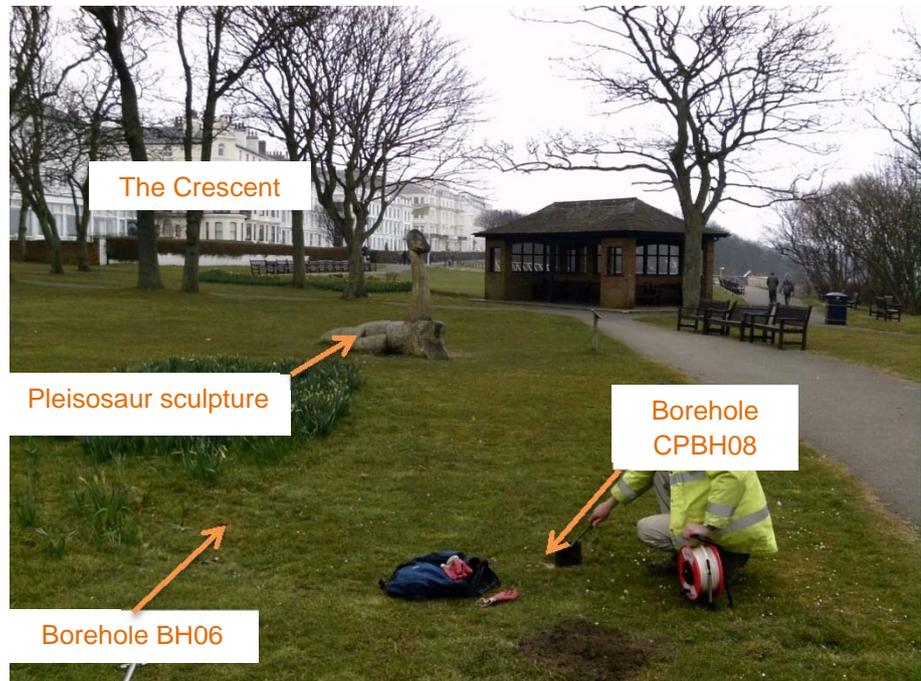
Map

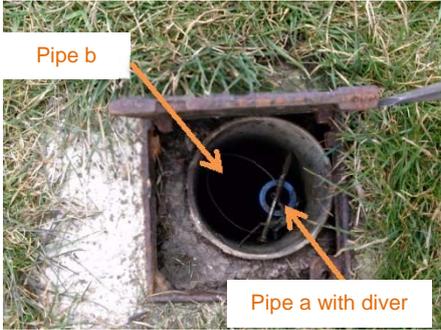
GPS Reference:
TA 11907 80026



Location Photo

(looking north)



<p>Condition Photos</p>					
<p>Condition</p>	<ul style="list-style-type: none"> • Cover ok but hinge does not open fully. • Locking screw missing. • Concrete surround ok. • Vegetation ok – mown grass, well maintained. 				
<p>Recorded Depth to Instrument</p>	<p>a) 9.64m b) 24.1m</p>	<p>Recorded Depth to Water</p>	<p>a) dry b) 18.45m</p>		
<p>Known Depth to Instrument</p>	<p>a) 10.00m b) 23.90m</p>	<p>Last Recorded Water Depth</p>	<p>Not available</p>	<p>Record Date</p>	<p>Not available</p>
<p>Comments</p>	<ul style="list-style-type: none"> • Double piezometer with diver in pipe a (blue pipe). • Diver length of 9.3m. • Piezometer pipes low down in outer tube, measurements taken to top of outer tube. • Adjacent to BH06, but closer to the footpath. 				



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Location

Filey Town

In triangle of scrubland between footpaths between pitch & putt and golf club. Closer to the more landward path.

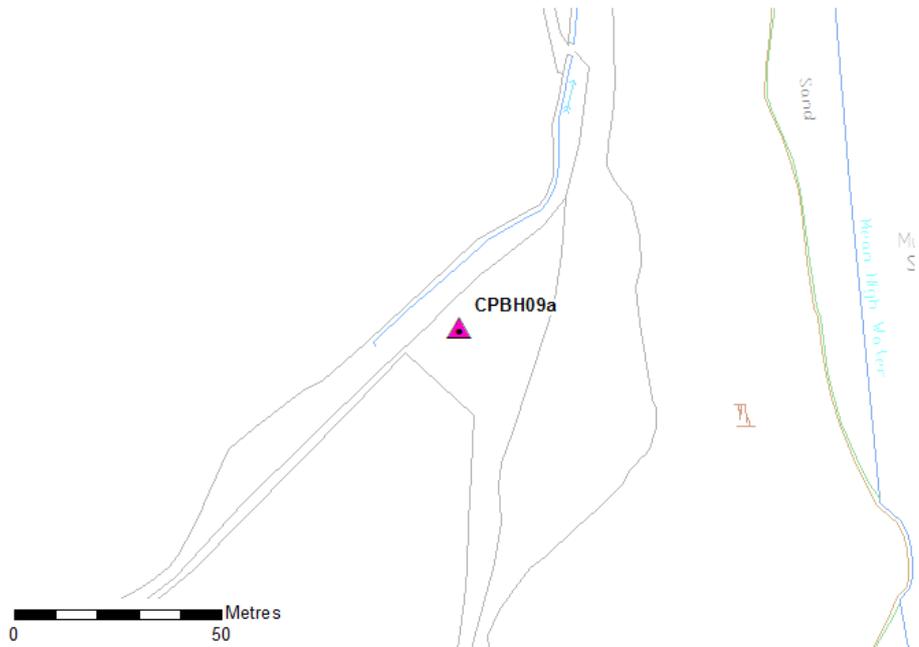
Borehole

CPBH09

Piezometer – twin (diver)

Map

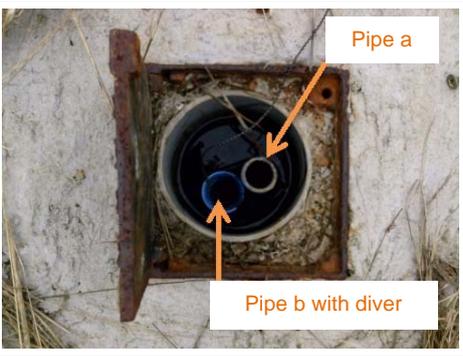
GPS Reference:
TA 11866 79834



Location Photo

(looking south-west)



Condition Photos					
Condition	<ul style="list-style-type: none"> • Cover and hinge ok, but no lock. • Concrete surround ok. • Long grass, likely to be difficult to locate in summer. 				
Recorded Depth to Instrument	a) 29.53m b) 12.03m	Recorded Depth to Water	a) 9.56m b) 9.62m		
Known Depth to Instrument	a) 29.50m b) 12.40m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"> • Double piezometer with diver in pipe b (blue pipe). • Diver length of 10.15m. 				



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Location

Filey Town

In grass verge between the road and promenade, close to Ackworth House (big white property).

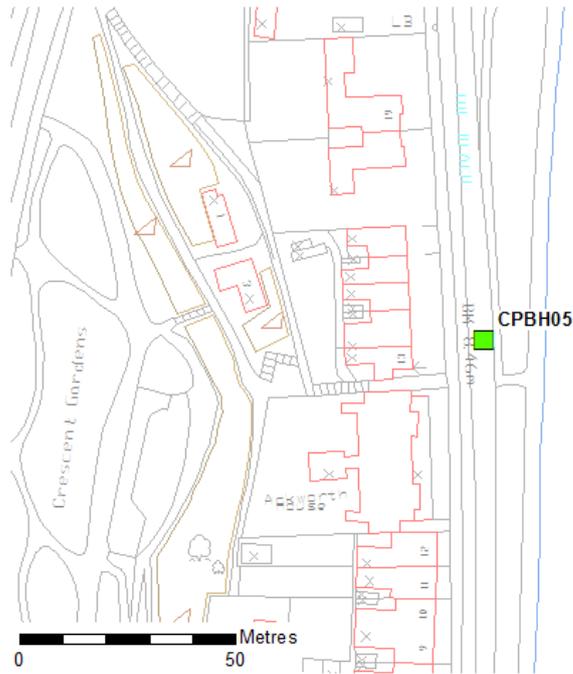
Borehole

CPBH05

Inclinometer

Map

GPS Reference:
TA 11977 80415



Location Photo

(looking west)



<p>Condition Photos</p>			
<p>Condition</p>	<ul style="list-style-type: none"> • Cover is ok apart from a broken corner where the lock should be. Hinge ok. • Concrete surround ok. • Vegetation ok – mown grass, well maintained. • No cap present on inner tube. 		
<p>Known Depth</p>	<p>10.00m</p>	<p>Recorded Depth</p>	<p>10.09m</p>
<p>Comments</p>	<ul style="list-style-type: none"> • Water at ground level, both inner and outer tube full. • Dummy inclinometer went to 10.09m. 		



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Location

Filey Town

In lower level pedestrian promenade at southern end of Filey seafront, in front of first set of beach chalets (most northern).

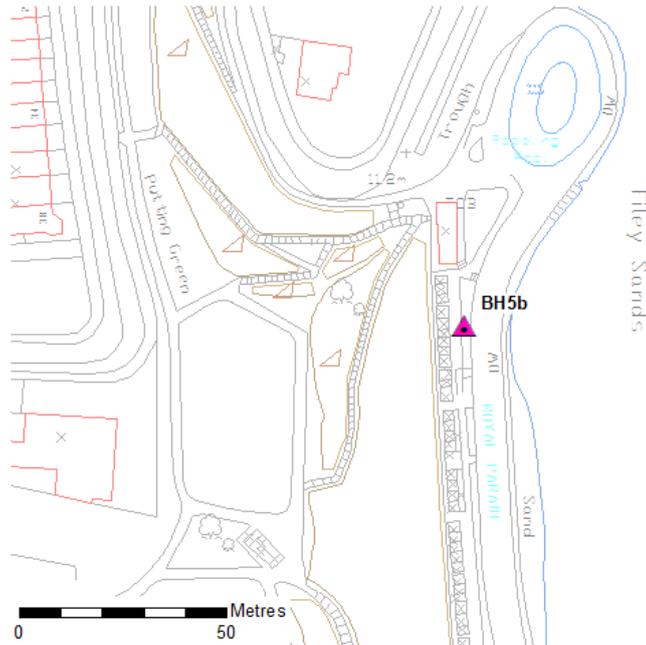
Borehole

BH05B

Piezometer

Map

GPS Reference:
TA 11954 80119



Location Photo

(looking north-west)



Borehole BH05B

Condition Photos					
Condition	<ul style="list-style-type: none"> • Cover and hinge ok, not locked as screw thread is damaged. • Inside full of sand. • Cap present on inner tube. • In tarmac promenade. 				
Recorded Depth to Instrument	6.34m	Recorded Depth to Water	6.15m		
Known Depth to Instrument	6.45m	Last Recorded Water Depth	6.05m	Record Date	2009 (Mouchel)
Comments	<ul style="list-style-type: none"> • Close to Borehole RCBH07 (located south of BH05B). • SBC borehole lists this borehole as automated, but no equipment was found present. 				



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Location

Filey Town

In lower level pedestrian promenade at southern end of Filey seafront, in front of Beach Superintendent's Office.

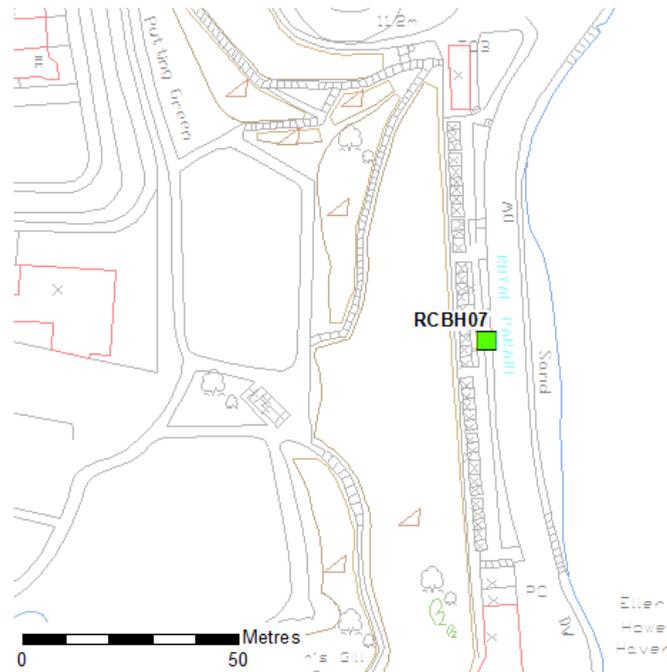
Borehole

RCBH07

Inclinometer

Map

GPS Reference:
TA 11956 80080



Location Photo

(looking north)



<p>Condition Photos</p>			
<p>Condition</p>	<ul style="list-style-type: none"> • Cover and hinge ok. • Thread inside locking mechanism stripped. • Concrete surround ok. • No cap to inner tube. • In tarmac promenade. 		
<p>Known Depth</p>	<p>20.00m</p>	<p>Recorded Depth</p>	<p>20.22m</p>
<p>Comments</p>	<ul style="list-style-type: none"> • Water recorded at 15.02m. • Dummy inclinometer went to 20.22m. 		



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Location

Filey Town

In grassed area in front of benches facing Filey Brigg, close to the park entrance near the White Lodge Hotel. Close to the yellow viewing telescope.

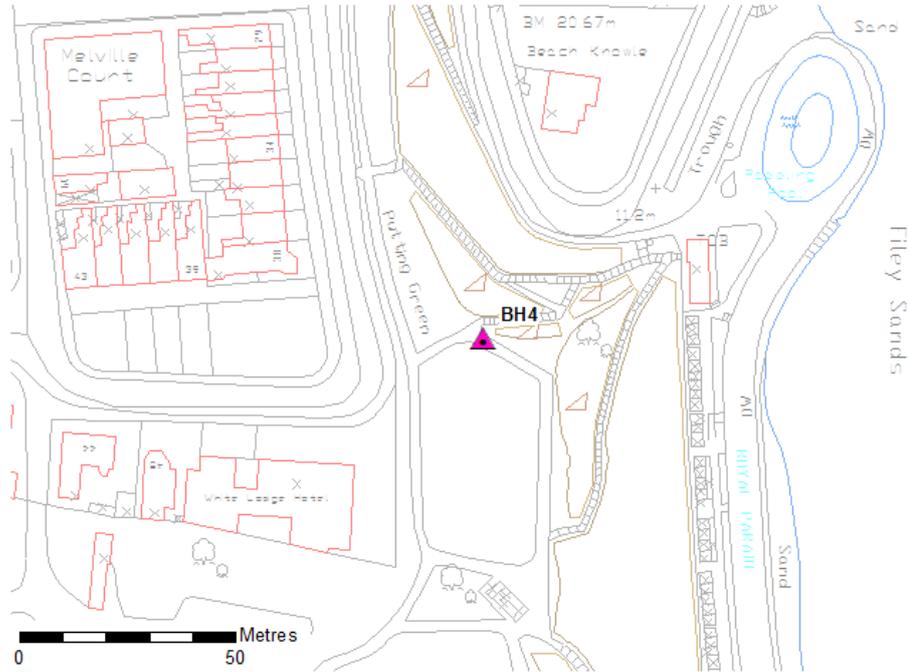
Borehole

BH04

Piezometer

Map

GPS Reference:
TA 11900 80126



Location Photo

(looking south-west)



Borehole BH04

Condition Photos					
Condition	<ul style="list-style-type: none"> • Cover has broken corner, and is not properly attached (broken hinge). Cover does not close properly. • Some vegetation ingress under the cover. • Vegetation ok – mown grass, well maintained. 				
Recorded Depth to Instrument	9.25m	Recorded Depth to Water	2.99m		
Known Depth to Instrument	9.00m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"> • Inner tube is low, measurements taken to top of outer tube. • SBC lists this borehole as automate, but no equipment was present. 				



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Location

Filey Town

Seaward side of cliff top footpath around the edge of the golf club, just past the gorse thicket directly on the footpath, and before the rise (heading southwards).

Borehole

CPBH10

Piezometer – twin (diver)

Map

GPS Reference:
TA 11910 79583



Location Photo

(looking south)



Condition Photos					
Condition	<ul style="list-style-type: none"> • Cover and hinge ok, locked with screw. • Concrete surround ok. • Wooden marker post with faded red paint – hard to spot from footpath. • Long grass, would be difficult to locate in summer. 				
Recorded Depth to Instrument	a) 12.05m b) 7.78m	Recorded Depth to Water	a) 12.03m b) 3.10m		
Known Depth to Instrument	a) 20.00m b) 8.10m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"> • Double piezometer with diver in pipe b (blue pipe). • Diver length of 5.4m. 				



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Location

Filey Town

Behind goal posts in north-west corner of playing fields of Filey School (on A1039 Muston Road). Along the field boundary that borders the footpath.

Borehole

TP8

Piezometer

Map

GPS Reference:
TA 10743 80345



Location Photo

(looking north-west)



Condition Photos					
Condition	<ul style="list-style-type: none"> • Cover is broken with half missing, including locking mechanism. • Hinge ok. • Concrete surround ok. • Cap on inner tube present but broken. • Cover is raised up above playing field level – may have been broken when field is mown. • Vegetation ok – mown playing field. 				
Recorded Depth to Instrument	2.07m		Recorded Depth to Water	0.7m	
Known Depth to Instrument	4.00m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"> • 				



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Location

Filey Town

Field adjacent to Filey School playing field. Borehole is located towards the northern corner, along the north-east boundary, near where the wooded area steps back.

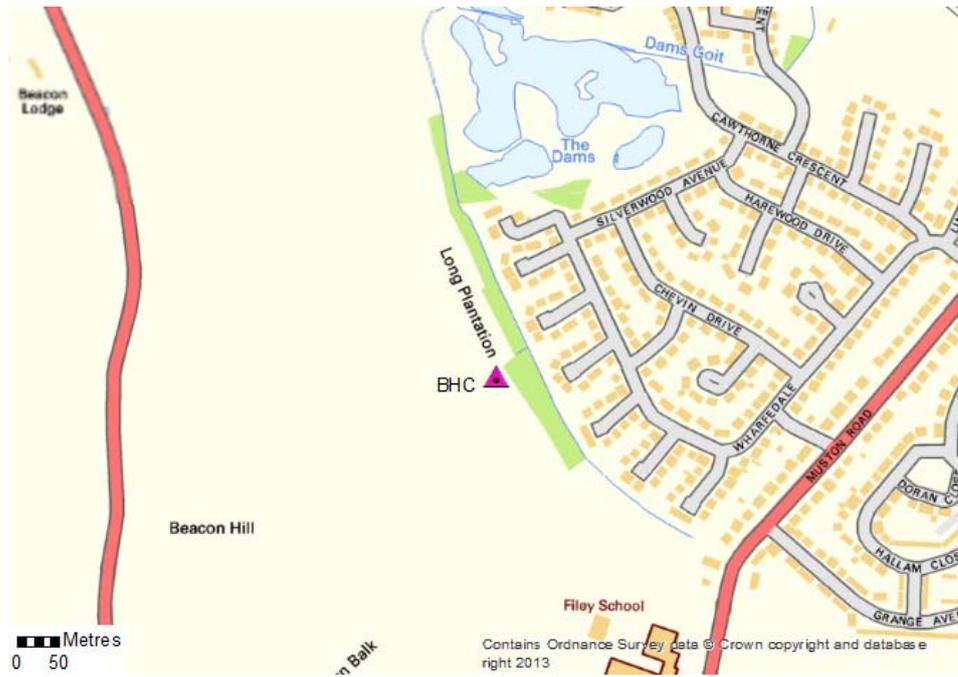
Borehole

BHC

Piezometer

Map

GPS Reference:
TA 10603 80488



Location Photo

(looking south-east)



Condition Photos					
Condition	<ul style="list-style-type: none"> • Raised tube and cover ok, slight dent to outer tube. • No lock or protective fencing. • Concrete surround ok. • Vegetation ok – short grass in field, might be grazed. 				
Recorded Depth to Instrument	3.10m	Recorded Depth to Water	ground level		
Known Depth to Instrument	10.00m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"> • 				



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Location

Filey Town

Playing field for Filey School (A1039 Muston Road), along south-west boundary close to the corner of the prefab classrooms.

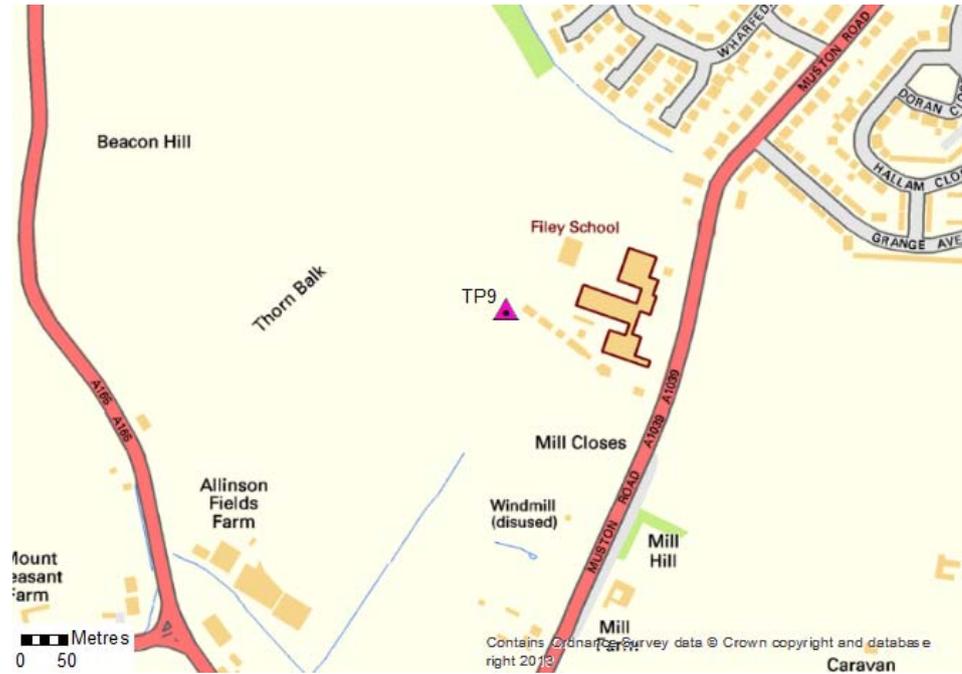
Borehole

TP9

Piezometer

Map

GPS Reference:
TA 10655 80115



Location Photo

(looking south-east)



Condition Photos					
Condition	<ul style="list-style-type: none"> • Cover ok but rusted shut, hinge very stiff, and lock corroded. • Concrete surround damaged and loose. • Cap for inner tube present but was not on, it is degraded. • Vegetation ok – mown playing field. 				
Recorded Depth to Instrument	2.32m		Recorded Depth to Water	0.32m	
Known Depth to Instrument	4.00m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"> • 				



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Location	<i>Filey Town</i>	In footpath down the ravine at south side of Filey Town, leading from West Avenue to seafront.			
Borehole	BH02	Piezometer			
Map GPS Reference: unknown					
Location Photo	Unable to locate				
Condition Photos	Unable to locate				
Condition	Unable to locate				
Recorded Depth to Instrument	Not available		Recorded Depth to Water	Not available	
Known Depth to Instrument	2.00m	Last Recorded Water Depth	0.56m	Record Date	2009 (Mouchel)
Comments	<ul style="list-style-type: none"> • Unable to locate – may have been tarmacked over when footpath was resurfaced. • SBC confirmed borehole has been lost following site visit on 7/5/2013. • Borehole BH02 to be removed from SBC monitoring programme. 				



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Condition Survey of Inclonometers and Piezometers – 9/4/2013



Royal HaskoningDHV
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Location	<i>Filey Town</i>	At northern edge of pitch & putt, close to top of steps from the ravine footpath.
Borehole	BH01	Piezometer (Automated)
<p>Map</p> <p>GPS Reference: unknown</p>		
<p>Location Photo</p> <p>(looking west)</p>		
Condition Photos		
Condition	<ul style="list-style-type: none"> • Unable to locate 	

Recorded Depth to Instrument	Not available		Recorded Depth to Water	Not available	
Known Depth to Instrument	13.90m	Last Recorded Water Depth	13.00m	Record Date	2009 (Mouchel)
Comments	<ul style="list-style-type: none"> • Unable to locate in scrub vegetation, may be possible to find with a metal detector. • SBC surveyed with metal detector on 7/5/2013 and confirmed borehole is lost. Likely to have been damaged and filled in by cutting activities at the putting green. • Borehole BH01 to be removed from SBC monitoring programme. 				



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Condition Survey of Inclinometers and Piezometers – 9/4/2013



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Location

Filey Town

North-east corner of field to the west of track leading off the A1039 (Scarborough Road) opposite Copse Hill.

Borehole

TP6

Piezometer

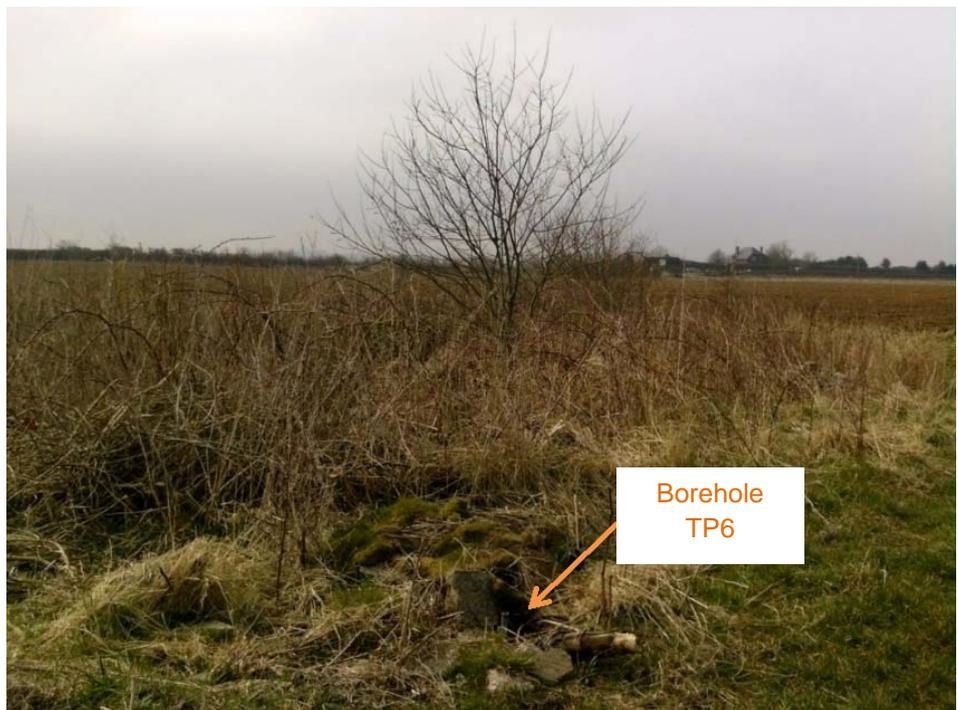
Map

GPS Reference:
TA 10798 81559



Location Photo

(looking south-west)



Condition Photos

Condition	<ul style="list-style-type: none"> Unable to locate amongst overgrown vegetation and 'fly-tipping'. Possible pipe sticking up out of broken up concrete but it was raised above ground with no outer tube or cover. If this is the borehole then it is likely to have been significantly damaged. 				
Recorded Depth to Instrument	3.60m		Recorded Depth to Water	0.57m	
Known Depth to Instrument	4.00m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"> SBC surveyed on 7/5/2013 and confirmed pipe sticking out of fly-tipping is the borehole. It needs a new outer casing and protective fencing installing. 				



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Condition Survey of Inclinometers and Piezometers – 10/4/2013



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Location	<i>Filey Town</i>	In the field to the west of the car park on West Avenue.
Borehole	BHD	Piezometer
Map GPS Reference: unknown		
Location Photo		
Condition Photos		
Condition	<ul style="list-style-type: none"> • Unable to locate 	

Recorded Depth to Instrument	4.32m		Recorded Depth to Water	0.72m	
Known Depth to Instrument	10.00m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"> SBC located and surveyed on 7/5/2013. Condition of borehole and protective fencing ok. Depth and water recorded as above. 				