
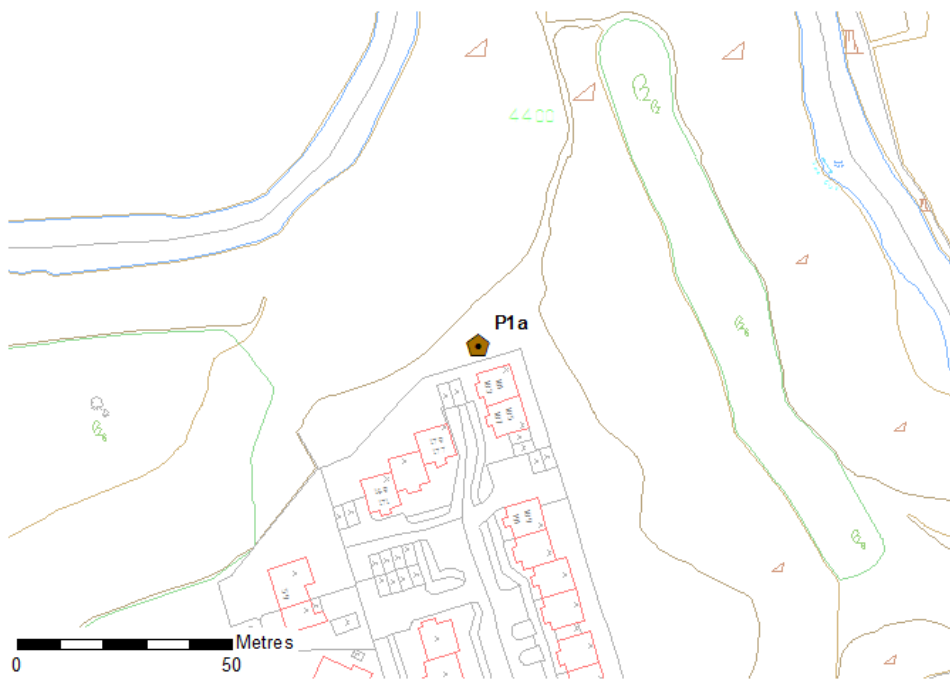





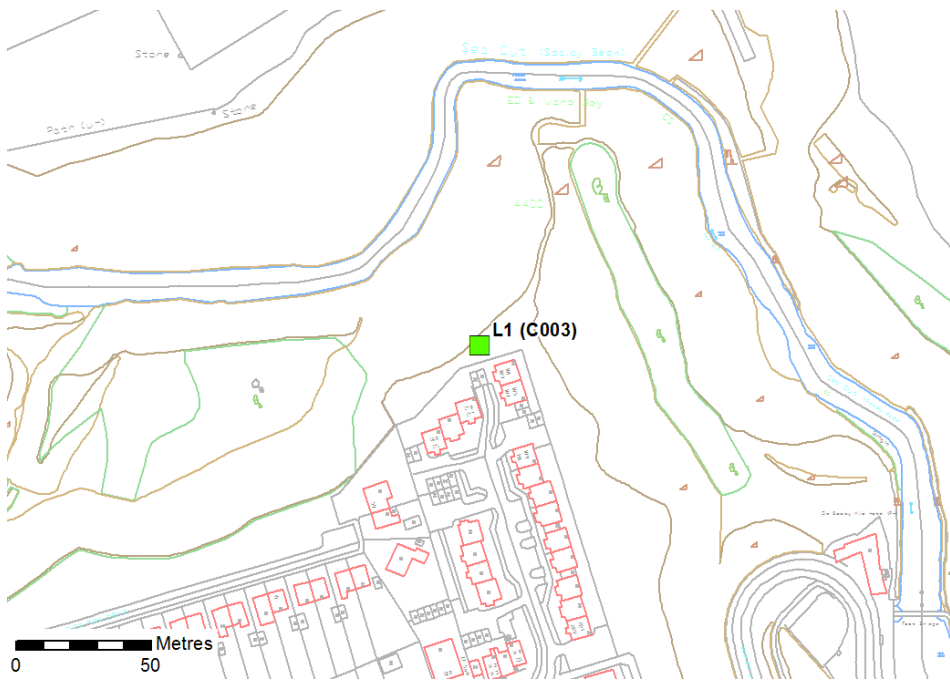



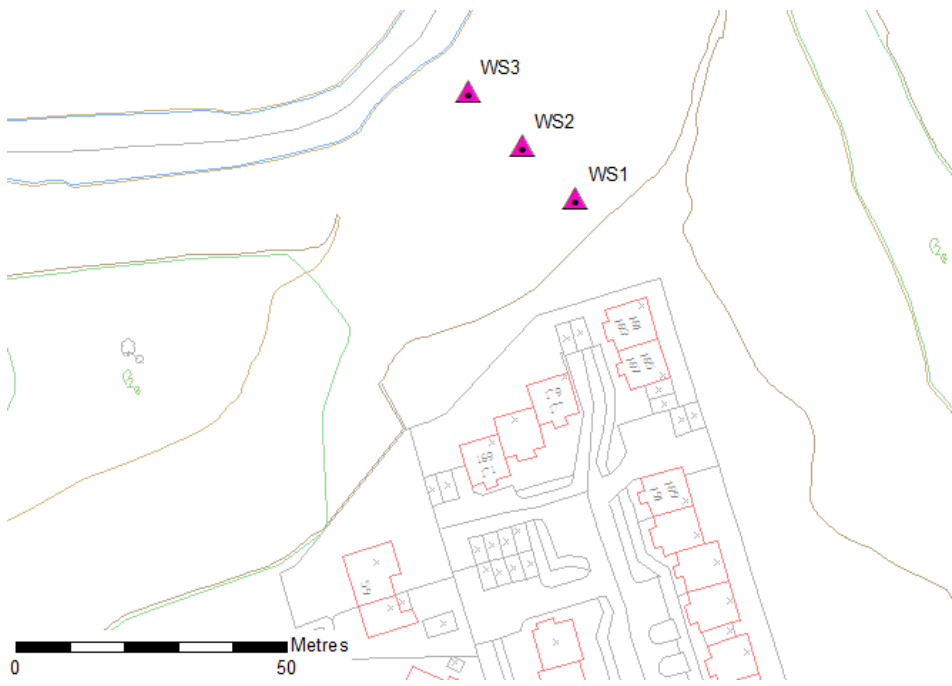

 <i>A great place to live, work &amp; play</i>	<b>Scarborough Borough Council</b> <b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b>		 <b>Royal HaskoningDHV</b> <i>Enhancing Society Together</i>
<b>Location</b>	<i>Scarborough – Scalby Ness</i>	At northern end of houses on Scholes Park Road, close to access point between house and garage.	
<b>Borehole</b>	P1	<b>Piezometer – twin (Automated)</b>	
<b>Map</b> <b>GPS Reference:</b> TA 03416 90956			
<b>Location Photo</b>  (looking south-west)			

Condition Photos					
Condition	<ul style="list-style-type: none"><li>• Cover ok, 4 locking screws present.</li><li>• Concrete surround starting to crack.</li><li>• Vegetation ok – short grass.</li><li>• Large diameter drainage hole at bottom of pit is full of sediment.</li><li>• Moisture present in equipment bag.</li></ul>				
Recorded Depth to Instrument	Not available		Recorded Depth to Water	Not available	
Known Depth to Instrument	a) 9.65m b) 17.50m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"><li>• Double piezometer with automated equipment present.</li></ul>				



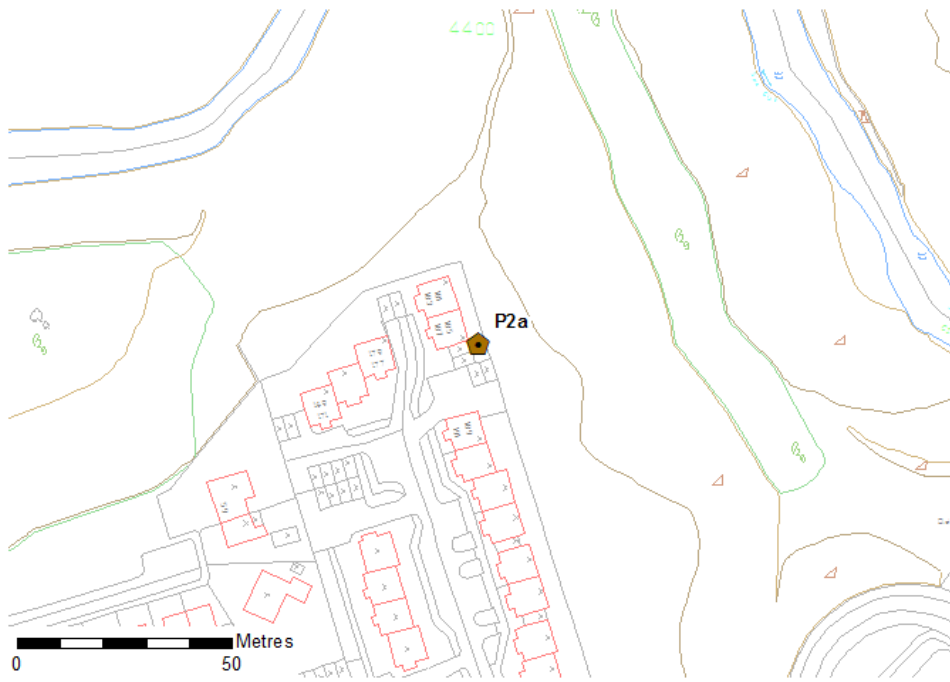

 <i>A great place to live, work &amp; play</i>	<b>Scarborough Borough Council</b>  <b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b>		 <b>Royal HaskoningDHV</b> <i>Enhancing Society Together</i>
<b>Location</b>	<i>Scarborough – Scalby Ness</i>	At northern end of houses on Scholes Park Road, close to access point between house and garage.	
<b>Borehole</b>	L1	<b>Inclinometer</b>	
<b>Map</b>  <b>GPS Reference:</b> TA 03410 90957			
<b>Location Photo</b>  (looking south-west)			



Condition Photos				
Condition	<ul style="list-style-type: none"><li>• Cover ok but has no locking screws, so cover is completely loose.</li><li>• Concrete surround ok.</li><li>• Vegetation had overgrown the top of borehole concealing it.</li></ul>			
Known Depth	31.20m	Recorded Depth	31.62m	
Comments	<ul style="list-style-type: none"><li>• Water recorded at 6.39m.</li><li>• Located and surveyed by SBC on 7/5/2013 using a metal detector.</li><li>• Located close to Borehole P1.</li></ul>			





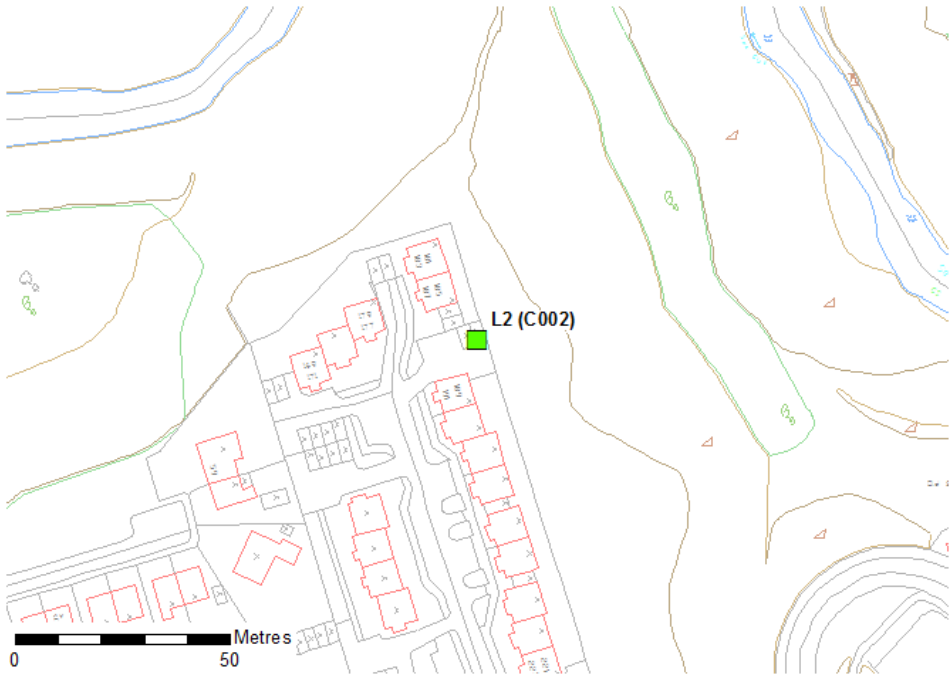

 <i>A great place to live, work &amp; play</i>	<b>Scarborough Borough Council</b>  <b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b>		 <b>Royal HaskoningDHV</b> <i>Enhancing Society Together</i>
<b>Location</b>	Scarborough – Scalby Ness	At northern end of houses, down the side of the steep slope to Scalby Beck.	
<b>Borehole</b>	W1, W2, & W3	<b>Piezometers</b>	
<b>Map</b>  <b>GPS Reference:</b>			
<b>Location Photo</b>  (looking north – down cliff)			
<b>Condition Photos</b>			



<b>Condition</b>	<ul style="list-style-type: none"> <li>Deemed unsafe to access</li> </ul>				
<b>Recorded Depth to Instrument</b>	Not available	<b>Recorded Depth to Water</b>		Not available	
<b>Known Depth to Instrument</b>	W1: 4.33m W2: 6.06m W3: 3.38m	<b>Last Recorded Water Depth</b>	Not available	<b>Record Date</b>	Not available
<b>Comments</b>	<ul style="list-style-type: none"> <li>Surveyed by SBC on 7/5/2013. Boreholes are damaged beyond repair and unsafe to access due to recent and on going cliff movements.</li> <li>Boreholes W1, W2, and W3 to be removed from SBC monitoring programme.</li> </ul>				



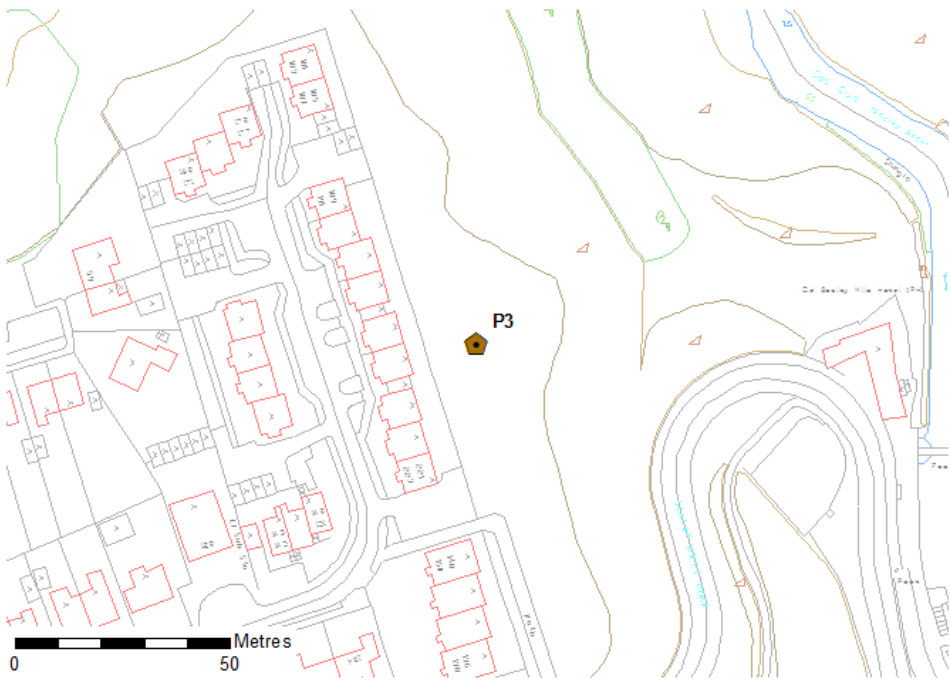

 <p>A great place to live, work &amp; play</p>	<p><b>Scarborough Borough Council</b></p> <p><b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b></p>		 <p><b>Royal HaskoningDHV</b> Enhancing Society Together</p>
<p><b>Location</b></p>	<p>Scarborough – Scalby Ness</p>	<p>Eastern side of house on Scholes Park Road, outside the fence line at the back corner of garage.</p>	
<p><b>Borehole</b></p>	<p>P2</p>	<p><b>Piezometer – twin (Automated)</b></p>	
<p><b>Map</b></p> <p><b>GPS Reference:</b> TA 03430 90936</p>			
<p><b>Location Photo</b></p> <p>(looking north-west)</p>			



Condition Photos					
Condition	<ul style="list-style-type: none"><li>• Cover ok but only 2 locking screws, and both handles are broken.</li><li>• Concrete surround is damaged.</li><li>• Vegetation ok – short grass.</li><li>• Moisture present in equipment bag.</li></ul>				
Recorded Depth to Instrument	Not available		Recorded Depth to Water	Not available	
Known Depth to Instrument	a) 9.10m b) 35.25m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments					





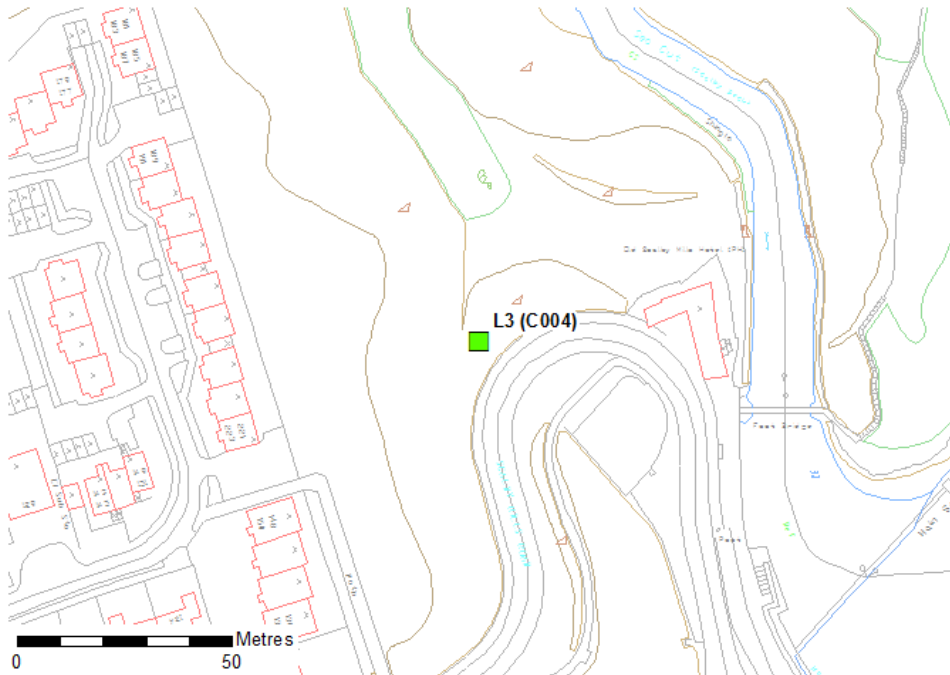

 A great place to live, work & play	<b>Scarborough Borough Council</b>  <b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b>		 <b>Royal HaskoningDHV</b> Enhancing Society Together
<b>Location</b>	Scarborough – Scalby Ness	Eastern side of house on Scholes Park Road, outside the fence line at gap between house and garage.	
<b>Borehole</b>	L2	<b>Inclinometer</b>	
<b>Map</b>  <b>GPS Reference:</b> TA 03432 90928			
<b>Location Photo</b>  (looking west)			


Condition Photos	<div></div> <div></div>		
Condition	<ul style="list-style-type: none"><li>• Cover ok but has no locking screws, so cover is completely loose.</li><li>• Concrete surround ok.</li><li>• Vegetation ok – short grass.</li></ul>		
Known Depth	35.03m	Recorded Depth	34.85m
Comments	<ul style="list-style-type: none"><li>• Water recorded at 0.95m.</li><li>• Dummy inclinometer went to 34.85m.</li></ul>		



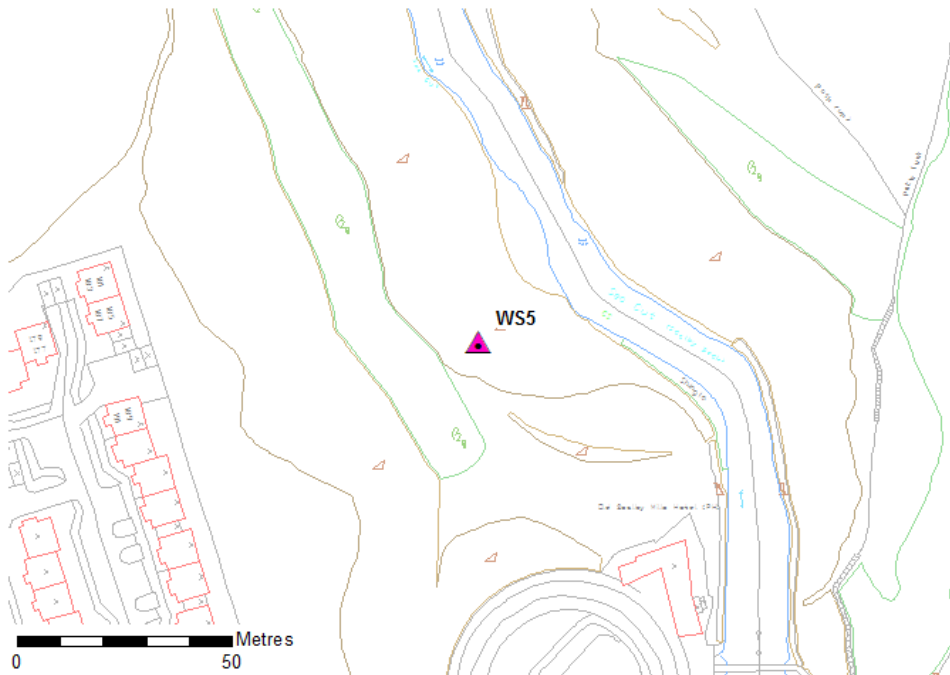
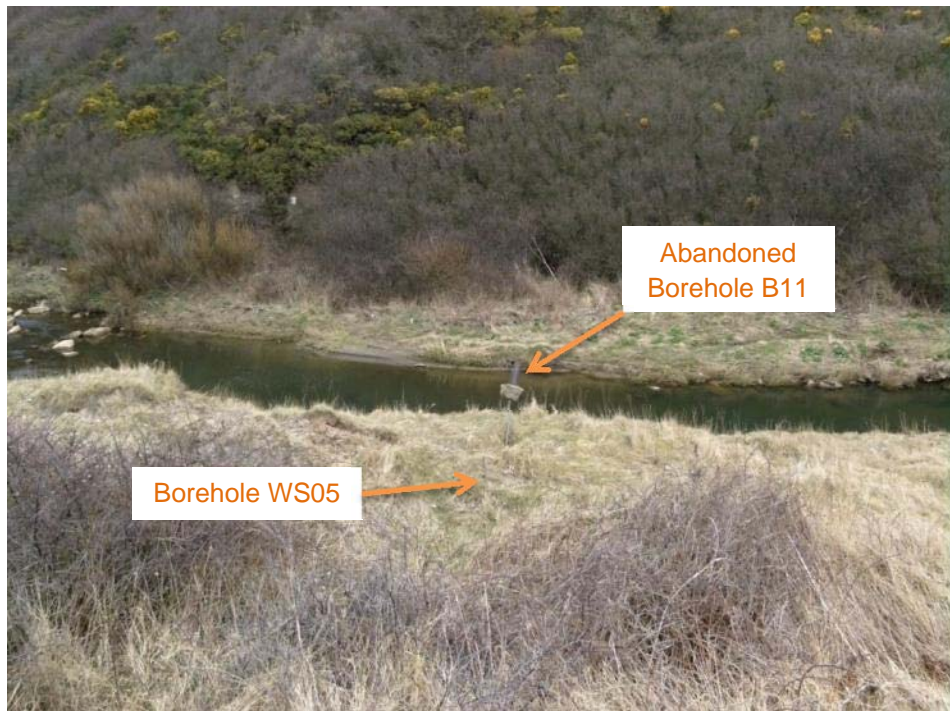
 <i>A great place to live, work &amp; play</i>	<b>Scarborough Borough Council</b>  <b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b>		 <b>Royal HaskoningDHV</b> <i>Enhancing Society Together</i>
<b>Location</b>	<i>Scarborough – Scalby Ness</i>	In the middle of the large grassy area outside the fence line, at the end of the 'yellow' houses on Scholes Park Road.	
<b>Borehole</b>	P3	<b>Piezometer (Automated)</b>	
<b>Map</b>  <b>GPS Reference:</b> TA 03461 90882			
<b>Location Photo</b>  (looking north-west)			

Condition Photos					
Condition	<ul style="list-style-type: none"><li>• Cover ok, only 2 locking screws (other two holes do not have a screw thread). 1 handle broken.</li><li>• Concrete surround is damaged.</li><li>• Vegetation ok – short grass.</li><li>• Moisture in equipment bag.</li></ul>				
Recorded Depth to Instrument	Not available		Recorded Depth to Water	Not available	
Known Depth to Instrument	20.20m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"><li>•</li></ul>				





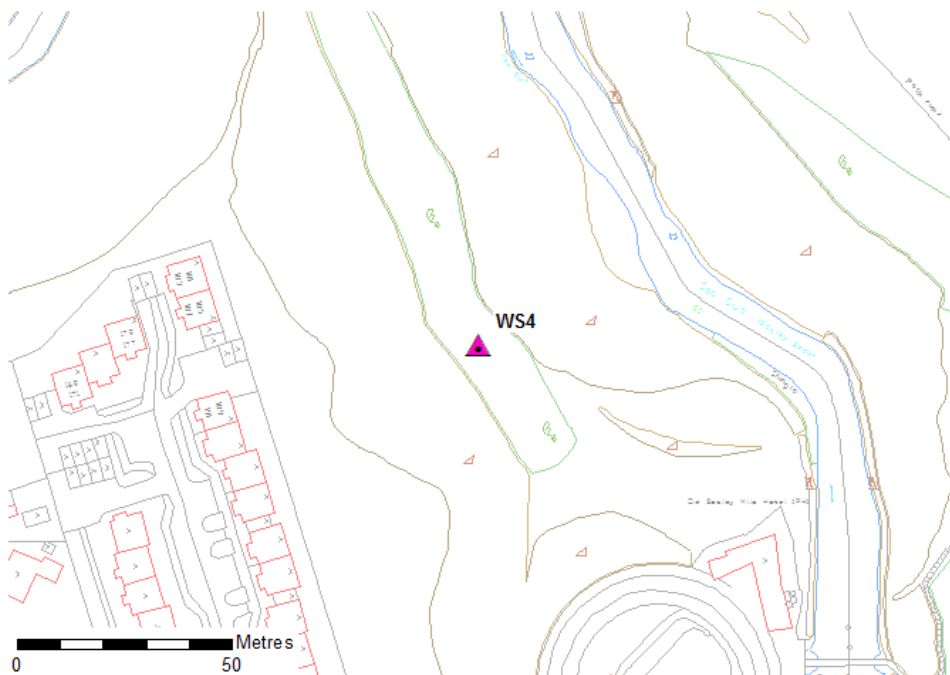

 A great place to live, work & play	<b>Scarborough Borough Council</b> <b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b>		 <b>Royal HaskoningDHV</b> Enhancing Society Together
<b>Location</b>	Scarborough – Scalby Ness	Grass verge on north side of Scalby Mills Road on the sharp bend before Old Scalby Mills pub. On the hedge line, 3 lampposts (and 1 flagpole) up from the far end of the pub.	
<b>Borehole</b>	L3	<b>Inclinometer</b>	
<b>Map</b> <b>GPS Reference:</b> TA 03503 90873			
<b>Location Photo</b>  (looking east)			



Condition Photos			
Condition	<ul style="list-style-type: none"><li>• Cover missing, possibly because the inner tube is higher than the surrounding frame.</li><li>• Concrete surround ok.</li><li>• Vegetation very overgrown, borehole is right in the bottom of the hedge line, difficult to locate.</li></ul>		
Known Depth	17.78m	Recorded Depth	17.56m
Comments	<ul style="list-style-type: none"><li>• Water recorded at 4.54m.</li><li>• Dummy inclinometer went to 17.52m.</li></ul>		



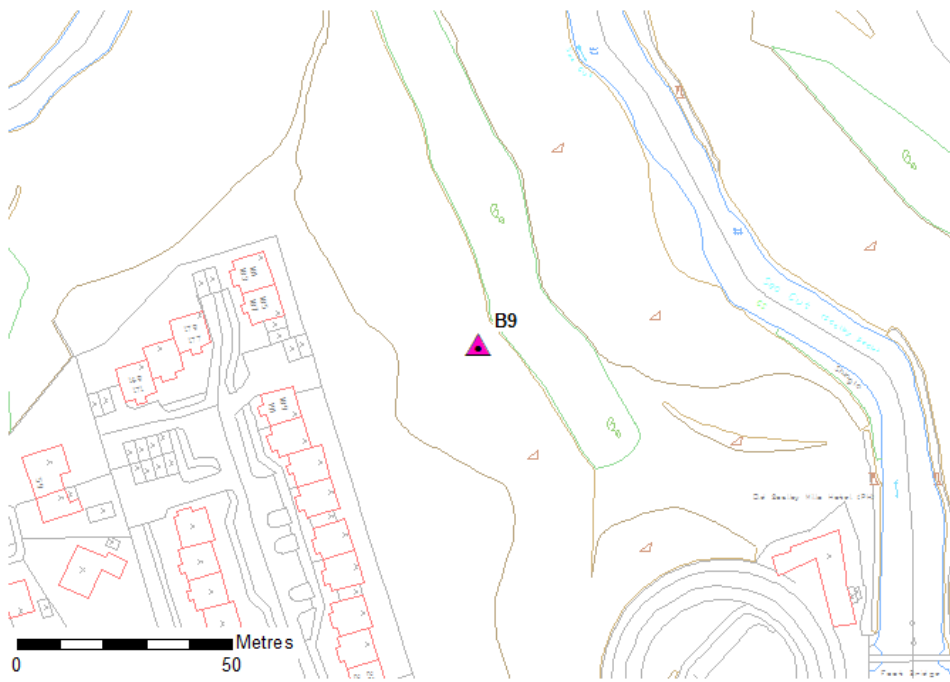

 <i>A great place to live, work &amp; play</i>	<b>Scarborough Borough Council</b> <b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b>		 <b>Royal HaskoningDHV</b> <i>Enhancing Society Together</i>
<b>Location</b>	<i>Scarborough – Scalby Ness</i>	On lower bench of ground between informal footpath and Scalby Beck.	
<b>Borehole</b>	WS05	<b>Piezometer</b>	
<b>Map</b>  <b>GPS Reference:</b> TA 03509 90933			
<b>Location Photo</b>  (looking east)			
<b>Condition Photos</b>			

<b>Condition</b>	<ul style="list-style-type: none"> <li>Plain inner tube above ground level with no cover, outer tube or cap.</li> <li>Previous Borehole B11 is adjacent which has been abandoned due to ground movement.</li> </ul>				
<b>Recorded Depth to Instrument</b>	4.63m	<b>Recorded Depth to Water</b>		1.12m	
<b>Known Depth to Instrument</b>	4.80m	<b>Last Recorded Water Depth</b>	Not available	<b>Record Date</b>	Not available
<b>Comments</b>	<ul style="list-style-type: none"> <li>Measurements to top of tube, which is 0.65m above ground level.</li> </ul>				





 <p>A great place to live, work &amp; play</p>	<p><b>Scarborough Borough Council</b></p> <p><b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b></p>		 <p><b>Royal HaskoningDHV</b> Enhancing Society Together</p>
<p><b>Location</b></p>	<p><i>Scarborough – Scalby Ness</i></p>	<p>First set of boreholes on the informal footpath from Scalby Mills Road. To the left of footpath at start of large gorse/blackthorn thicket on right of footpath. Shorter (right-hand) borehole of two adjacent raised boreholes.</p>	
<p><b>Borehole</b></p>	<p>WS04</p>	<p><b>Piezometer</b></p>	
<p><b>Map</b></p> <p><b>GPS Reference:</b> TA 03488 90931</p>			
<p><b>Location Photo</b></p> <p>(looking south-west)</p>			



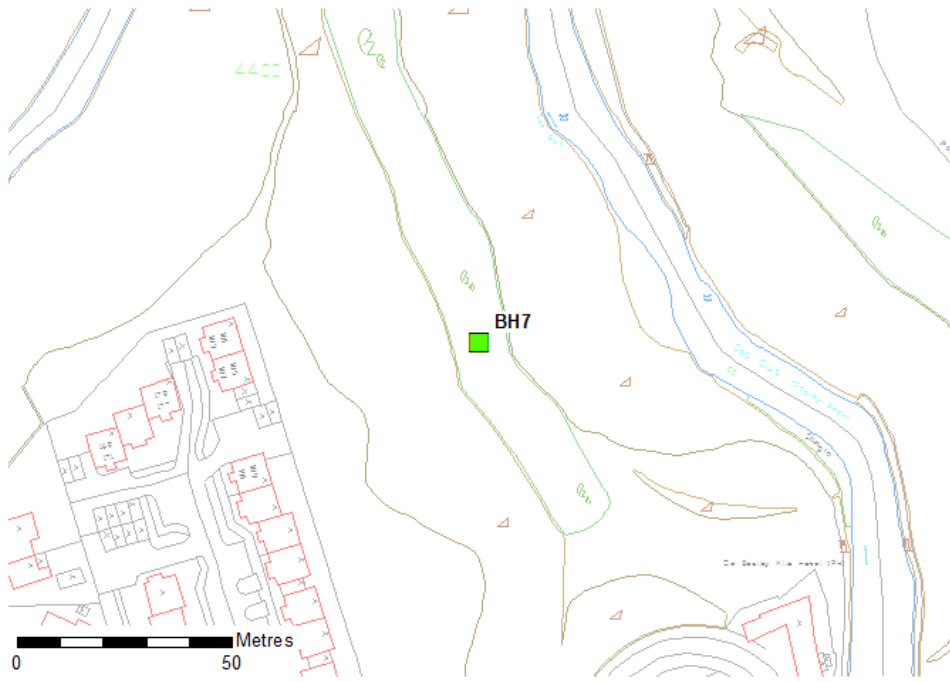
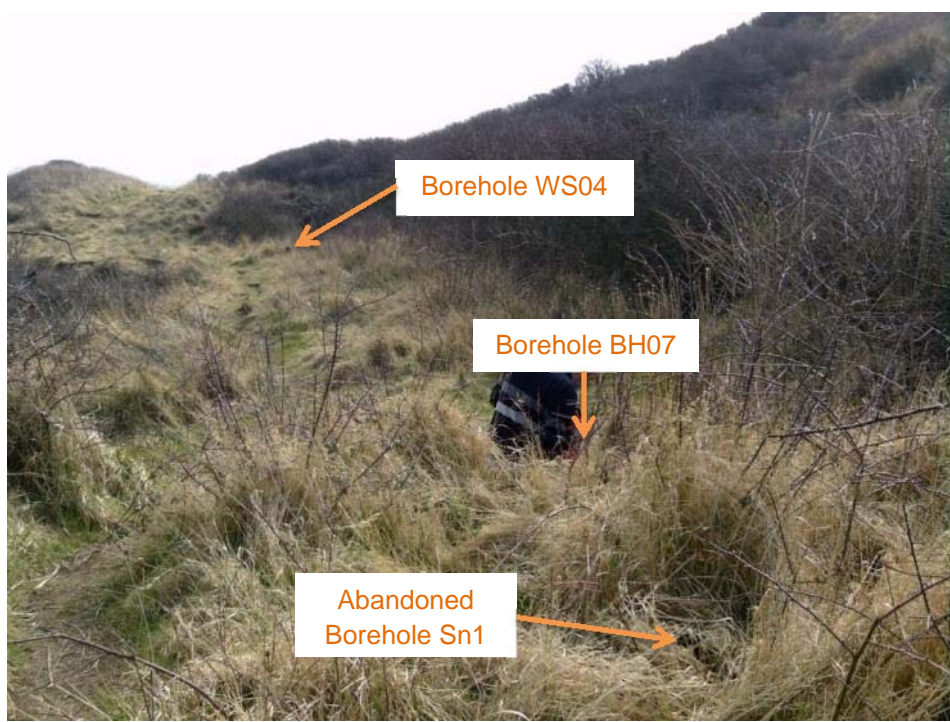
Condition Photos					
Condition	<ul style="list-style-type: none"><li>• Cover and outer tube ok, no lock or internal cap.</li><li>• Long grass, may be problematic in summer.</li></ul>				
Recorded Depth to Instrument	4.24m		Recorded Depth to Water	3.66m	
Known Depth to Instrument	6.41m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"><li>• Next to another raised borehole, assumed to be abandoned Borehole B10 – this borehole is taller and to the left of Borehole WS04.</li></ul>				



 A great place to live, work & play	<b>Scarborough Borough Council</b> <b>Condition Survey of Inclinometers and Piezometers – 30/4/2013</b>		 Enhancing Society Together
<b>Location</b>	Scarborough – Scalby Ness	To the left (west) of the footpath, roughly in line with Borehole WS04 (on footpath). Behind the blackthorn thicket.	
<b>Borehole</b>	BH9	<b>Piezometer</b>	
<b>Map</b>  <b>GPS Reference:</b> TA 03473 90930			
<b>Location Photo</b>  (looking west)	 <div>Photo taken from Borehole BH9 (which is off the bottom of the photo), no distinctive landmarks visible as location guidance.</div>		



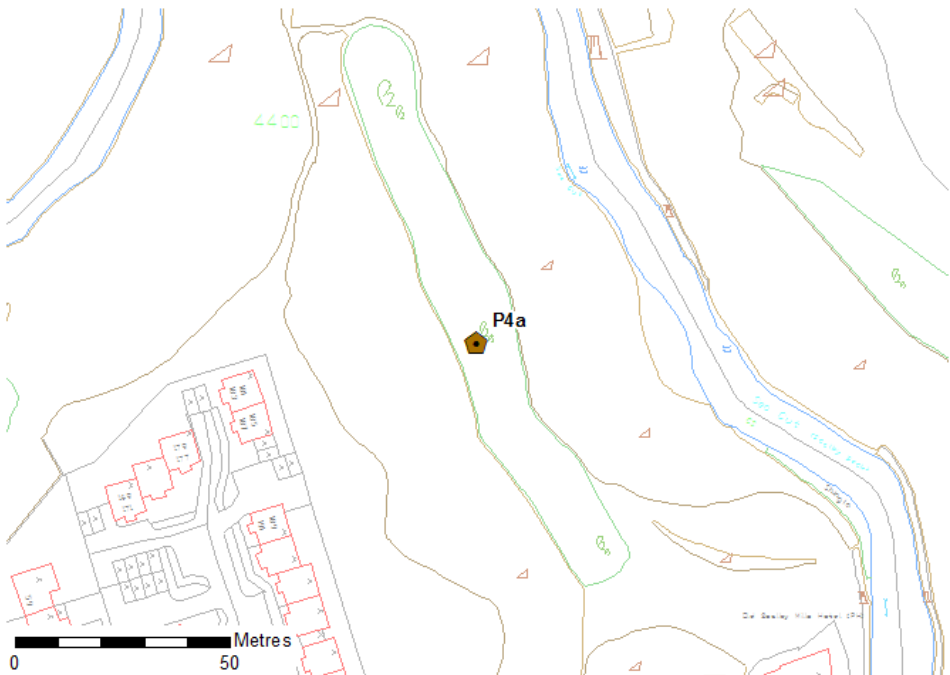





Condition Photos						
Condition	<ul style="list-style-type: none"><li>• Raised tube and cover ok, very stiff to open, locked with a screw (needs alun key to open).</li><li>• Single piezometer.</li><li>• Vegetation is very overgrown, borehole is not visible from path and is very difficult to find and access.</li></ul>					
Recorded Depth to Instrument	8.26m		Recorded Depth to Water		2.23m	
Known Depth to Instrument	8.55m	Last Recorded Water Depth		2.44m	Record Date	2009 (Mouchel)
Comments	<ul style="list-style-type: none"><li>• Path through vegetation (blackthorn thicket) to the borehole needs to be cut.</li><li>• Measurements to top of outer tube.</li></ul>					



 A great place to live, work & play	<b>Scarborough Borough Council</b> <b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b>		 Enhancing Society Together
<b>Location</b>	Scarborough – Scalby Ness	North along path from Borehole WS04. On left of path.	
<b>Borehole</b>	BH07	<b>Inclinometer</b>	
<b>Map</b>  <b>GPS Reference:</b> TA 03480 90946			
<b>Location Photo</b>  (looking south)			


Condition Photos				
	Left hand borehole – BH07		Right hand borehole – Sn1 (abandoned)	
Condition	<ul style="list-style-type: none"><li>• Cover and outer tube ok, no lock.</li><li>• Cap present on inner tube in left hand borehole (assumed to be BH07), no cap on right hand borehole.</li><li>• Vegetation overgrown could be problematic to locate in summer.</li></ul>			
Known Depth	21.00m		Recorded Depth	11.3m
Comments	<ul style="list-style-type: none"><li>• Water recorded at 4.5m.</li><li>• Dummy inclinometer went to 11.25m.</li><li>• Right hand borehole (assumed to be abandoned Borehole Sn1) has depth of 11.28m, with water recorded at 11.28m.</li></ul>			



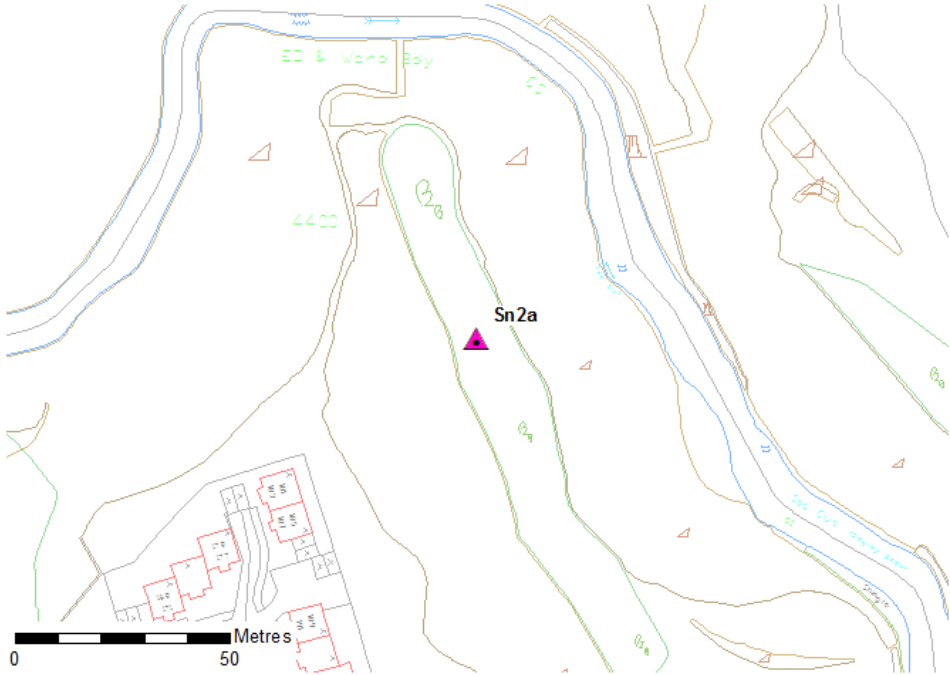

 <i>A great place to live, work &amp; play</i>	<b>Scarborough Borough Council</b>  <b>Condition Survey of Inclinoimeters and Piezometers – 10/4/2013</b>		 <b>Royal HaskoningDHV</b> <i>Enhancing Society Together</i>
<b>Location</b>	<i>Scarborough – Scalby Ness</i>	In middle of footpath.	
<b>Borehole</b>	P4	<b>Piezometer – twin (Automated)</b>	
<b>Map</b>  <b>GPS Reference:</b> TA 03475 90958			
<b>Location Photo</b>  (looking south-east)			


Condition Photos					
Condition	<ul style="list-style-type: none"><li>• Cover ok, has 2 locking screws, 1 handle broken.</li><li>• Vegetation ok, as in middle of footpath.</li><li>• Moisture present in equipment bag.</li></ul>				
Recorded Depth to Instrument	Not available		Recorded Depth to Water	Not available	
Known Depth to Instrument	a) 8.30m b) 10.65m	Last Recorded Water Depth	Not available	Record Date	Not available
Comments	<ul style="list-style-type: none"><li>• Double piezometer with automated equipment.</li></ul>				





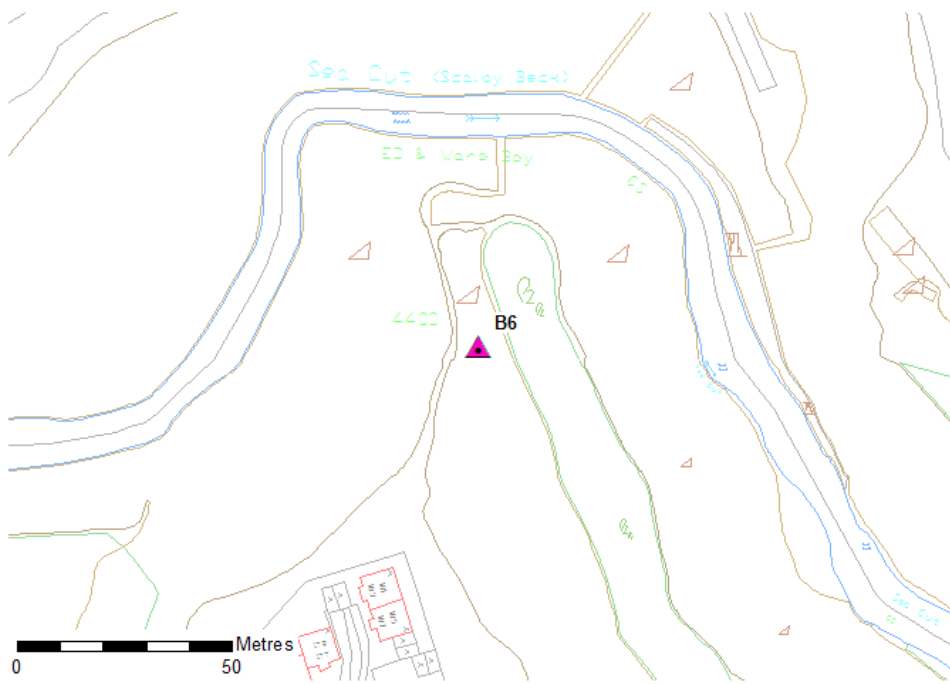

 <p>A great place to live, work &amp; play</p>	<p><b>Scarborough Borough Council</b></p> <p><b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b></p>		 <p>Royal HaskoningDHV Enhancing Society Together</p>
<p><b>Location</b></p>	<p>Scarborough – Scalby Ness</p>	<p>Left hand side of path beyond borehole P4.</p>	
<p><b>Borehole</b></p>	<p>WS06</p>	<p><b>Piezometer</b></p>	
<p><b>Map</b></p> <p><b>GPS Reference:</b> TA 03465 90984</p>			
<p><b>Location Photo</b></p> <p>(looking south-east)</p>			



<b>Condition Photos</b>					
<b>Condition</b>	<ul style="list-style-type: none"> <li>• Cover present but broken off.</li> <li>• Outer tube ok.</li> <li>• Vegetation ok, but may become overgrown in summer.</li> </ul>				
<b>Recorded Depth to Instrument</b>	6.55m		<b>Recorded Depth to Water</b>	3.05m	
<b>Known Depth to Instrument</b>	6.48m	<b>Last Recorded Water Depth</b>	Not available	<b>Record Date</b>	Not available
<b>Comments</b>	<ul style="list-style-type: none"> <li>• Measurements to top of outer tube.</li> <li>• Adjacent to Borehole Sn02. Borehole WS06 is on the right and Borehole Sn02 is on the left when viewing from the footpath (looking west).</li> </ul>				

 <i>A great place to live, work &amp; play</i>	<b>Scarborough Borough Council</b>  <b>Condition Survey of Inclinometers and Piezometers – 10/4/2013</b>		 <b>Royal HaskoningDHV</b> <i>Enhancing Society Together</i>
<b>Location</b>	<i>Scarborough – Scalby Ness</i>	Left hand side of path beyond borehole P4.	
<b>Borehole</b>	Sn02	<b>Piezometer - twin</b>	
<b>Map</b>  <b>GPS Reference:</b> TA 03466 90982			
<b>Location Photo</b>  (looking south-east)			

<b>Condition Photos</b>			Cover bolted shut (unable to access).		
<b>Condition</b>	<ul style="list-style-type: none"><li>Cover ok and locked with bolts (which have rusted) – unable to access</li></ul>				
<b>Recorded Depth to Instrument</b>	Not available		<b>Recorded Depth to Water</b>	Not available	
<b>Known Depth to Instrument</b>	a) 2.50m b) 8.00m	<b>Last Recorded Water Depth</b>	Not available	<b>Record Date</b>	Not available
<b>Comments</b>	<ul style="list-style-type: none"><li>Adjacent to Borehole WS06. Borehole WS06 is on the right and Borehole Sn02 is on the left when viewing from the footpath (looking west).</li></ul>				



 <p>A great place to live, work &amp; play</p>	<p><b>Scarborough Borough Council</b></p> <p><b>Condition Survey of Inclinometers and Piezometers – 30/4/2013</b></p>		 <p><b>Royal HaskoningDHV</b> Enhancing Society Together</p>
<p><b>Location</b></p>	<p>Scarborough – Scalby Ness</p>	<p>Up the bank to left (west) of footpath, between Borehole Sn2 and sharp rise in footpath at the end of the plateau. Behind blackthorn thicket.</p>	
<p><b>Borehole</b></p>	<p>BH6</p>	<p><b>Piezometer</b></p>	
<p><b>Map</b></p> <p><b>GPS Reference:</b> TA 03443 91003</p>			
<p><b>Location Photo</b> (looking north)</p>			

Condition Photos						
Condition	<ul style="list-style-type: none"><li>• Raised tube and cover ok, locked with screw (needs alun key to open).</li><li>• Single piezometer.</li><li>• Vegetation is very overgrown, borehole is not visible from footpath and is extremely difficult to find.</li></ul>					
Recorded Depth to Instrument	8.59m		Recorded Depth to Water		7.67m	
Known Depth to Instrument	8.55m	Last Recorded Water Depth		7.52m	Record Date	2009 (Mouchel)
Comments	<ul style="list-style-type: none"><li>• Path through vegetation (blackthorn thicket) to the borehole needs to be cut.</li><li>• Measurements to top of outer tube.</li></ul>					