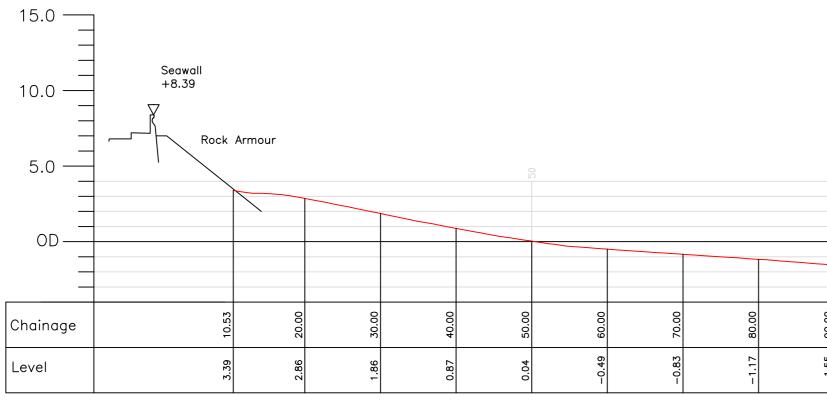
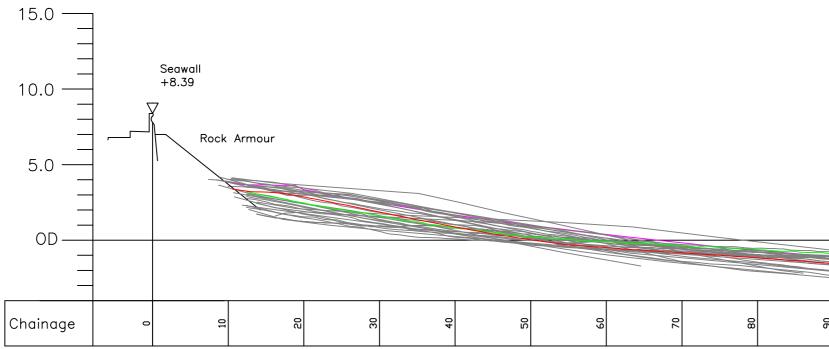
Profile P92 - April 2015



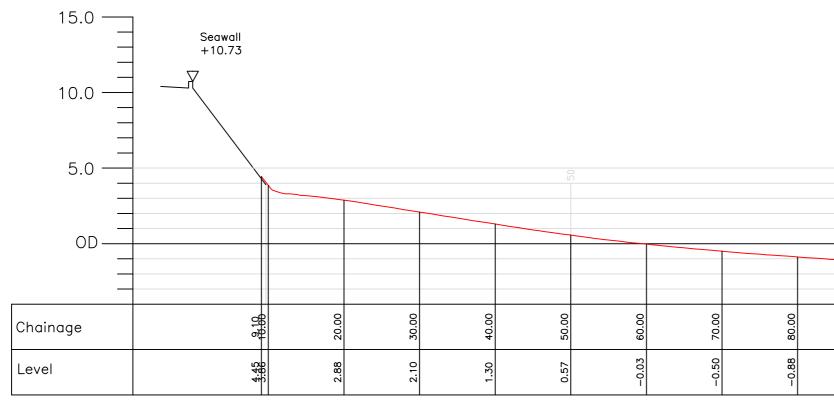


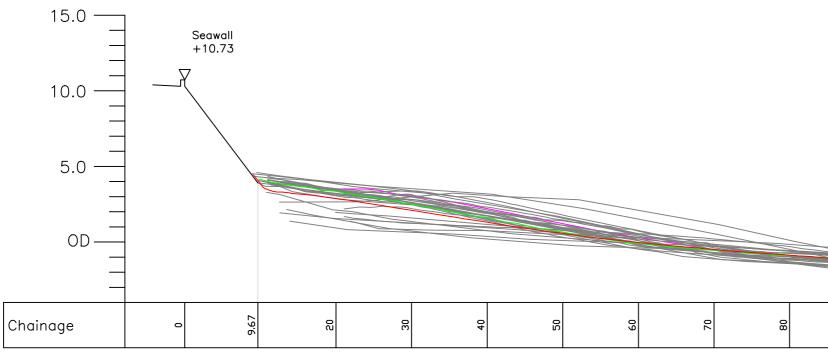
## Combined Beach Profile

EAST RIDING	Title.
OF YORKSHIRE COUNCIL	Cross Section Analysis - Profile P92.
Nigel Leighton Director of Environment and Neighbourhood Services	J
Project.	Location.
East Riding Beach Monitoring	Opposite Queen's Promenade, Withernsea.

9 0000 95 1- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ed Profiles November 200 May 2008	5	2014
Nay 2001 November 2001 May 2002 November 2002 June 2003 Nove 2003 May 2004 November 2004 May 2005 November 2005 May 2006 No Profile F November 2006 May 2007	September 200        April 2009        September 200        April 2010        October 2010        April 2011        September 201        April 2011        September 201        April 2011        September 201        March 2012        September 2012	D8       D9       11       12	
90 110 120 130	140 150 160	170	
<u>e Results</u>			
F	Profile Start. Profile End.	Drawn. Checked.	Scale @ A2.
	E 534574.159 E 535426.400 N 427699.113 N 428355.750	M.J.A. N.M.	Horiz. 1:500 Vert. 1:250
		Job No.	Date.
•		ERYC-P92	12.11.2015

Profile P93 - April 2015





Combined Beach Profile Results

EAST RIDING	Title.	Profile Start.	Profile End.	Drawn.	Checked.	Scale @ A2.
OF YORKSHIRE COUNCIL	Cross Section Analysis - Profile P93.		E 535731.567	M.J.A.	N.M.	Horiz. 1:500
Nigel Leighton Director of Environment and Neighbourhood Services		N 427266.032	N 427959.678	101.017 (1		Vert. 1:250
Project.	Location.			Job No.		Date.
East Riding Beach Monitoring	Opposite South Revetment, Withernsea.			ERY	C-P93	12.11.2015

	-	-				
0	100.00	10.00	120.00	130.00	76	
90.00		Ů.	Ů.	0.		
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24	55	89	34	89	68.	
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-		, I		1 7	1 7	
	'	'	'	l '	'	

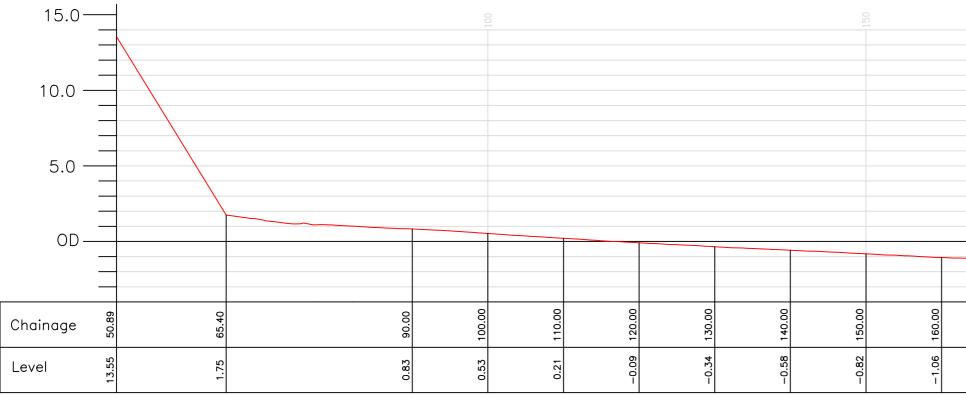
### Key: GPS Surveyed Profiles

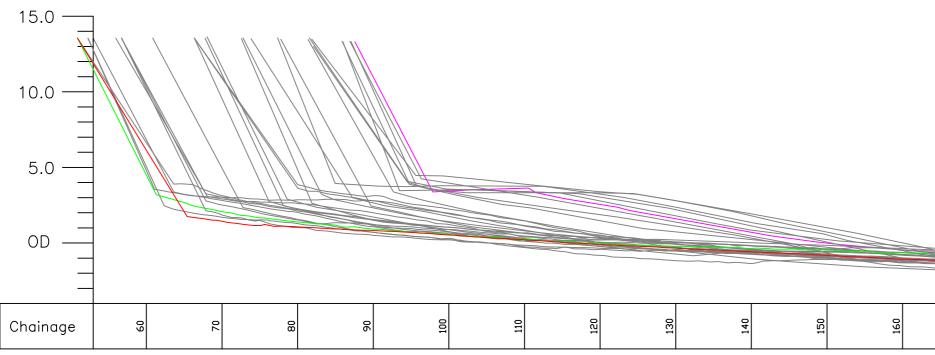
November 2000		November 2007	
May 2001		May 2008	
November 2001		September 2008	
May 2002		April 2009	
November 2002		September 2009	
June 2003		April 2010	
Nove 2003		October 2010	
May 2004		April 2011	
November 2004		September 2011	
May 2005		March 2012	
November 2005		September 2012	
May 2006 No Profi	le Funding Cut	April 2013	
November 2006		October 2013	
May 2007		December 2013	

06	100	110	119.05	130	140	150	160	

May 2014 November 2014 April 2015

Profile P94 - April 2015



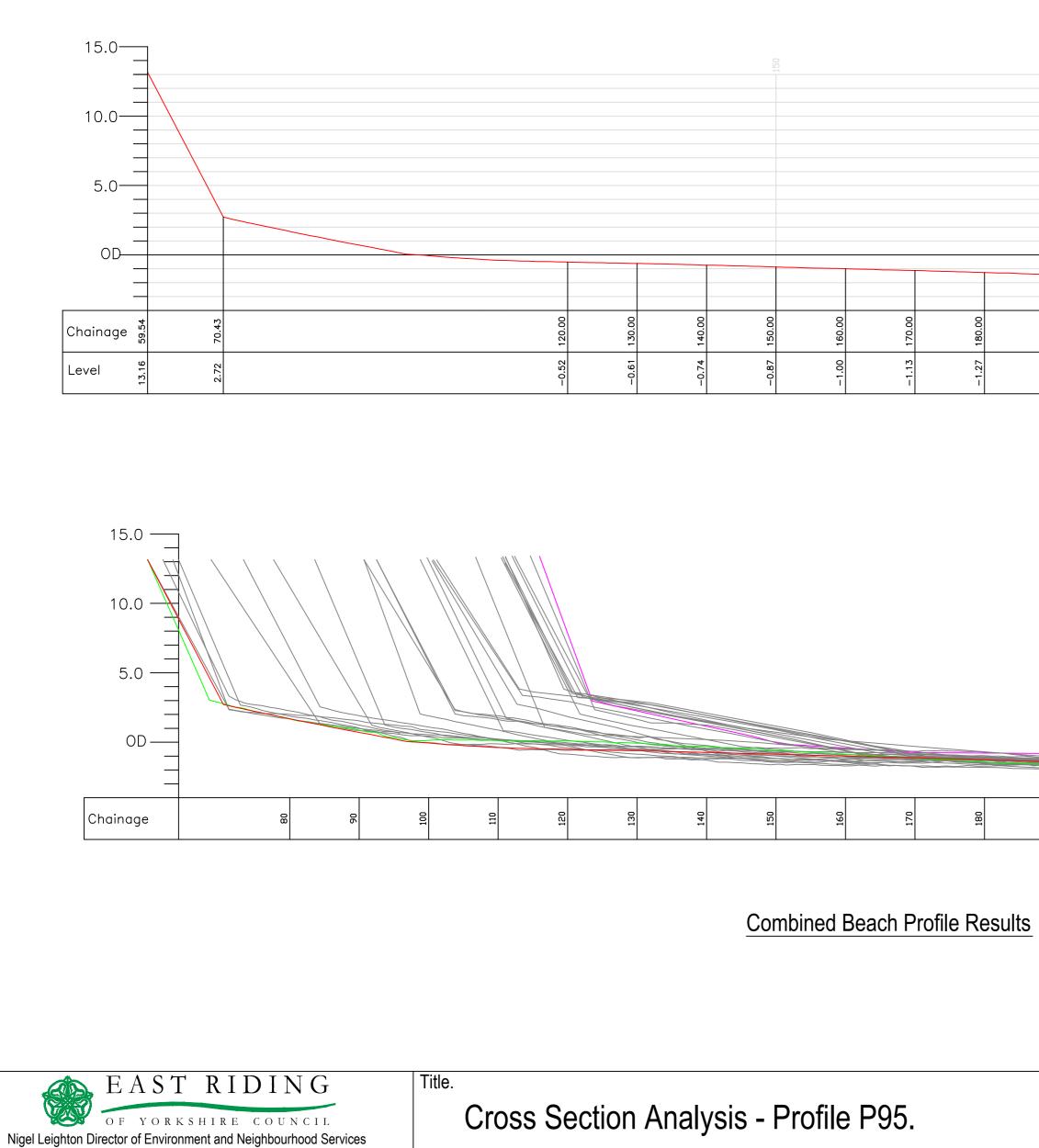


Combined Beach Profile Resu

EAST RIDING	Title.
Nigel Leighton Director of Environment and Neighbourhood Services	Cross Section Analysis - Profile P94.
Project.	Location.
East Riding Beach Monitoring	Cliffs South of Turner Avenue, Withernsea.

-1.26 170.00 -1.45 180.00 -1.58 190.00 -1.71 200.00	-1.87 210.00 -2.08 220.00		-2:56 240.00 -2.76 250.00	-2.87 257.39	
Key: GPS Surv November 2000 May 2001 November 2001 May 2002 November 2002 June 2003 Nove 2003 May 2004 November 2004 May 2005 November 2005 May 2006 No Pro November 2006 May 2007		November 2007 May 2008 September 2008 April 2009 September 2009 April 2010 October 2010 April 2011 September 2011 March 2012 September 2012 April 2013 October 2013 December 2013		May 2014 November 20 April 2015	014
170 190 200 200	220 220	530	250		
<u>sults</u>					
	Profile Start. E 534990.611 N 426757.587	Profile End. E 536036.733 N 427563.605	Drawn. M.J.A. Job No.	Checked. N.M.	Scale @ A2. Horiz. 1:500 Vert. 1:250 Date.
				′C-P94	12.11.2015

Profile P95 - April 2015



Project. East Riding Beach Monitoring Location.

Cliff South of Golden Sands Campsite, With

190.00	200.00	210.00	220.00	230.00	234.27		
-1.43	-1.65	-1.91	-2.29	-2.72	-2.88		

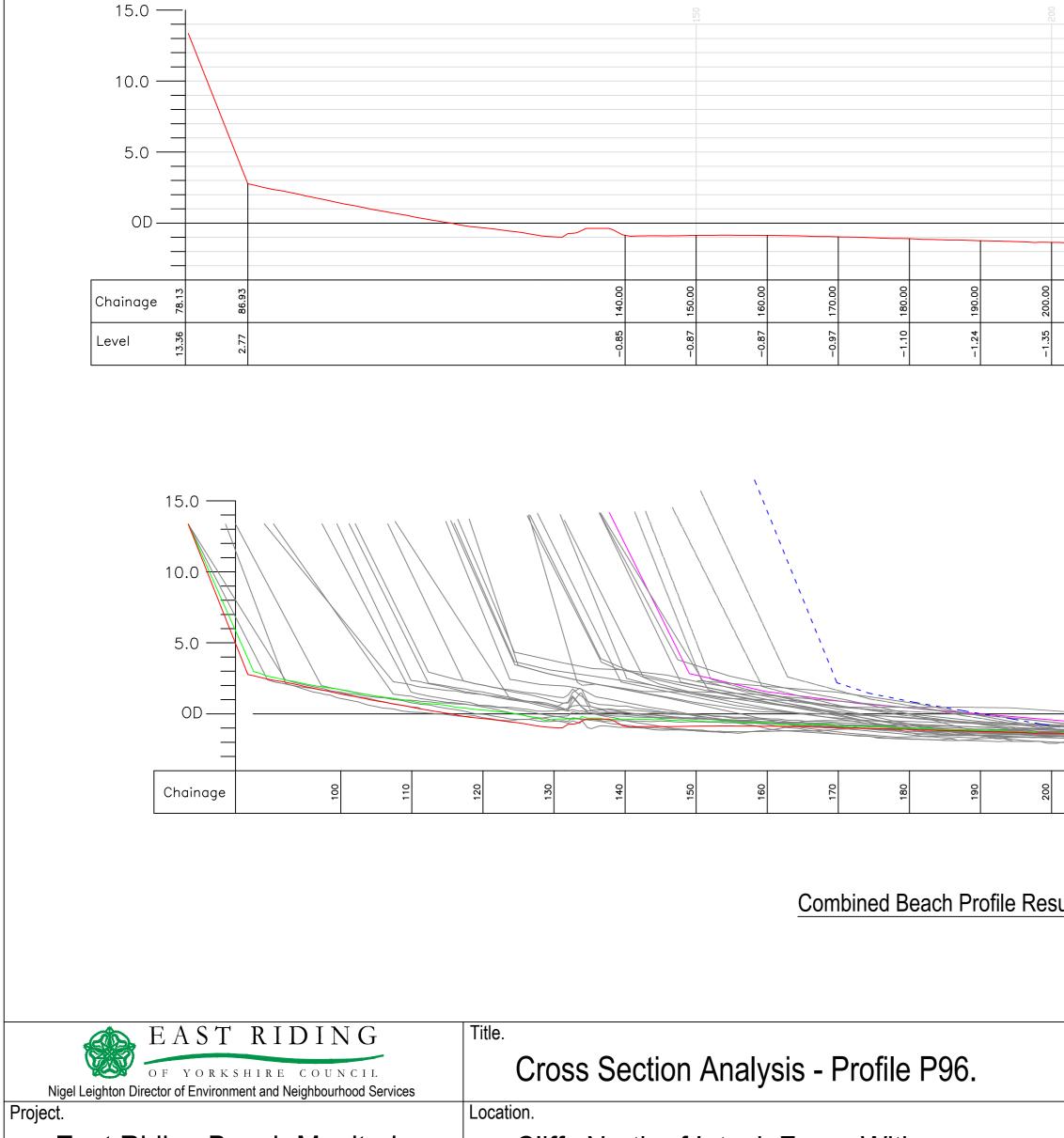
### Key: GPS Surveyed Profiles

Ν	November 2000		November 2007	 May 2014
Ν	/lay 2001		May 2008	 November 2014
Ν	lovember 2001		September 2008	 April 2015
Ν	/lay 2002		April 2009	
Ν	lovember 2002		September 2009	
J	lune 2003		April 2010	
Ν	love 2003		October 2010	
Ν	/lay 2004		April 2011	
Ν	lovember 2004		September 2011	
Ν	/lay 2005		March 2012	
Ν	lovember 2005		September 2012	
Ν	/lay 2006 No Profile	e Funding Cut	April 2013	
Ν	November 2006		October 2013	
Ν	/lay 2007		December 2013	

4

	Profile Start.	Profile End.	Drawn.	Checked.	Scale @ A2.
	E 535295.778	E 536341.900	M.J.A.	N.M.	Horiz. 1:500
	N 426361.514	N 427167.533	IVI.J.A.	IN.IVI.	Vert. 1:250
	-		Job No.		Date.
hernsea.			ERY	C-P95	25.11.2015

Profile P96 - April 2015

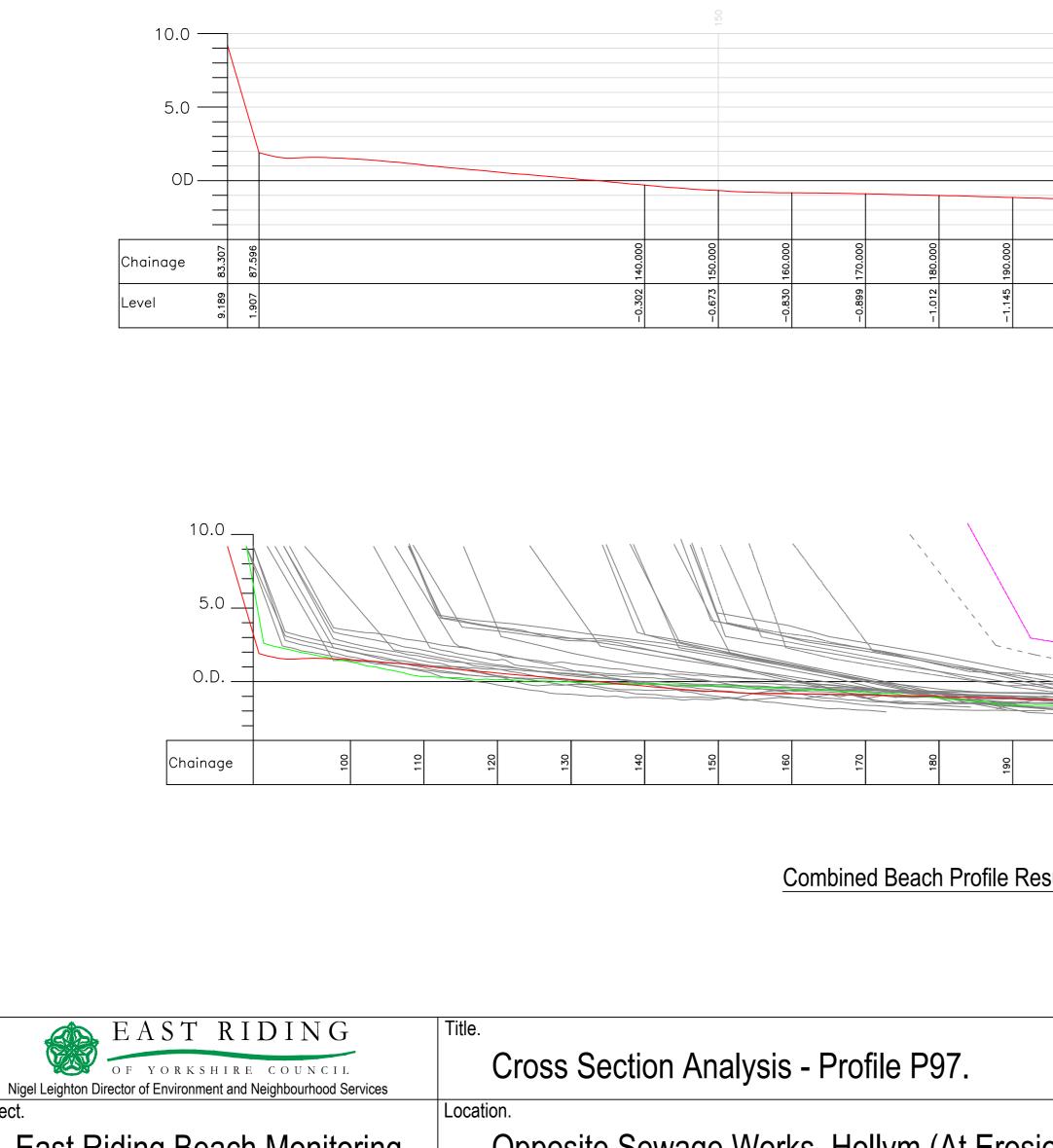


East Riding Beach Monitoring

Cliffs North of Intack Farm, Withernsea.

GPS From Ea March 1998 October 1999 March 1999 March 2000	80000000000000000000000000000000000000		8      8        8      7        8      7        8      7        8      7        8      7        8      7        8      7        8      7        8      7        8      7        8      7        9      7        8      7        9      7        8      7        9      7        9      7        9      7        9      7        9      7        9      7        10      9        10      9        10      9        10      9        10      9        10      9        10      9        10      9        10      9        10      9        10      9        10      9        10      9        10		-2.59 260.00		September 20 April 2009 September 20 April 2010 Dctober 2010 April 2011 September 20 March 2012 September 20 March 2012 September 20 April 2013	09  11		May 20' Novemb April 20	oer 2014 -	
			November 2005 May 2006 No Profi November 2006 May 2007 November 2007 May 2008	le Funding Cut		(	October 2013 December 201	3 997 Admiralty Tide erpolated for Easin MHWS +2.95m MHWN +1.55m MLWN -1.15m MLWN -1.15m MLWS -2.60m				
PROVINCE NOT	220	230	240	250	260		270	280	290			
				Profile S E 535600.9 N 425965.4	945	E 5366	e End. 647.067 771.461	Drawn. M.J.A. Job No.		cked. N.M.	Scale @ Horiz Vert. Date.	z. 1:500

Profile P97 - April 2015



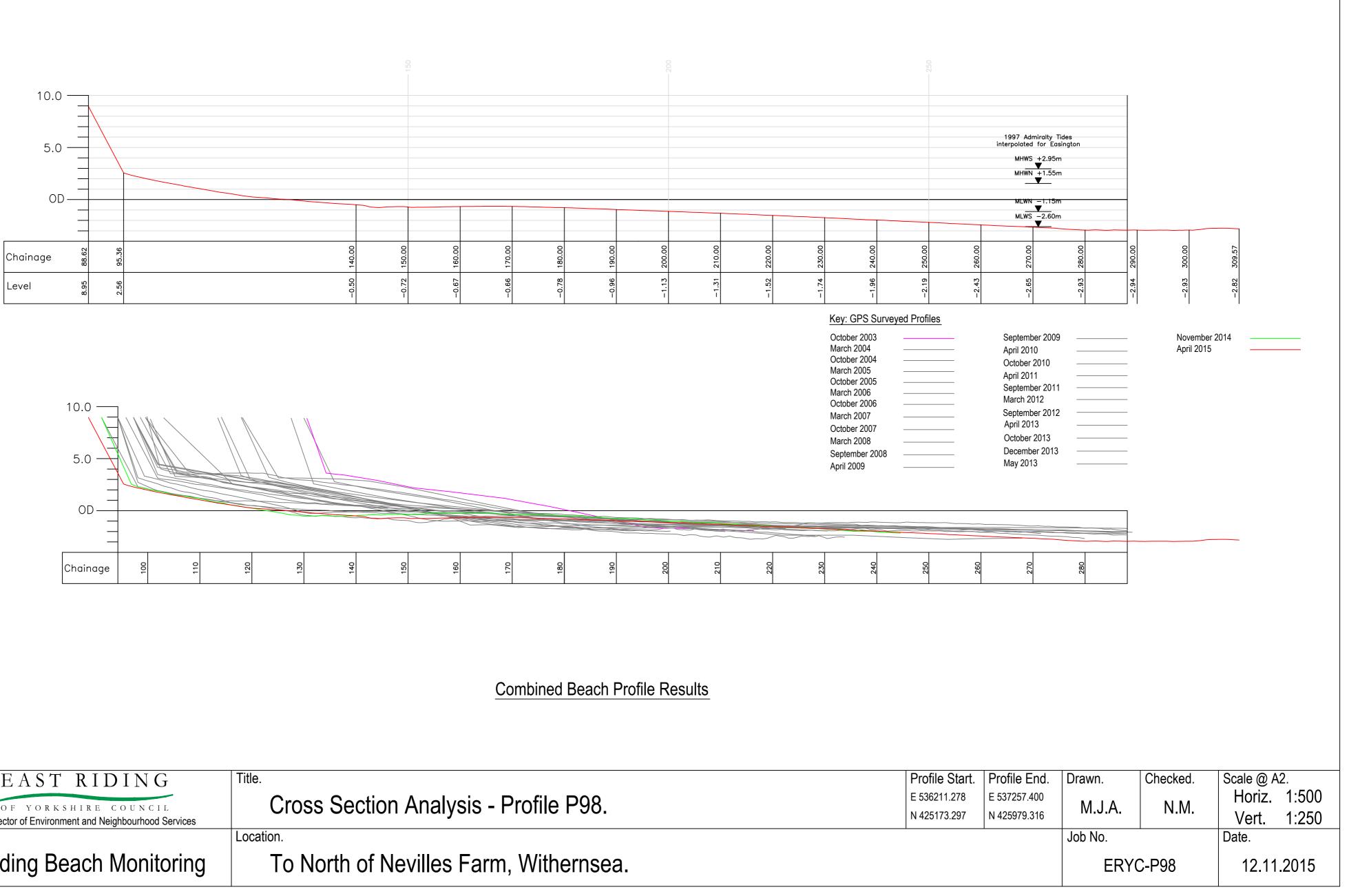
East Riding Beach Monitoring

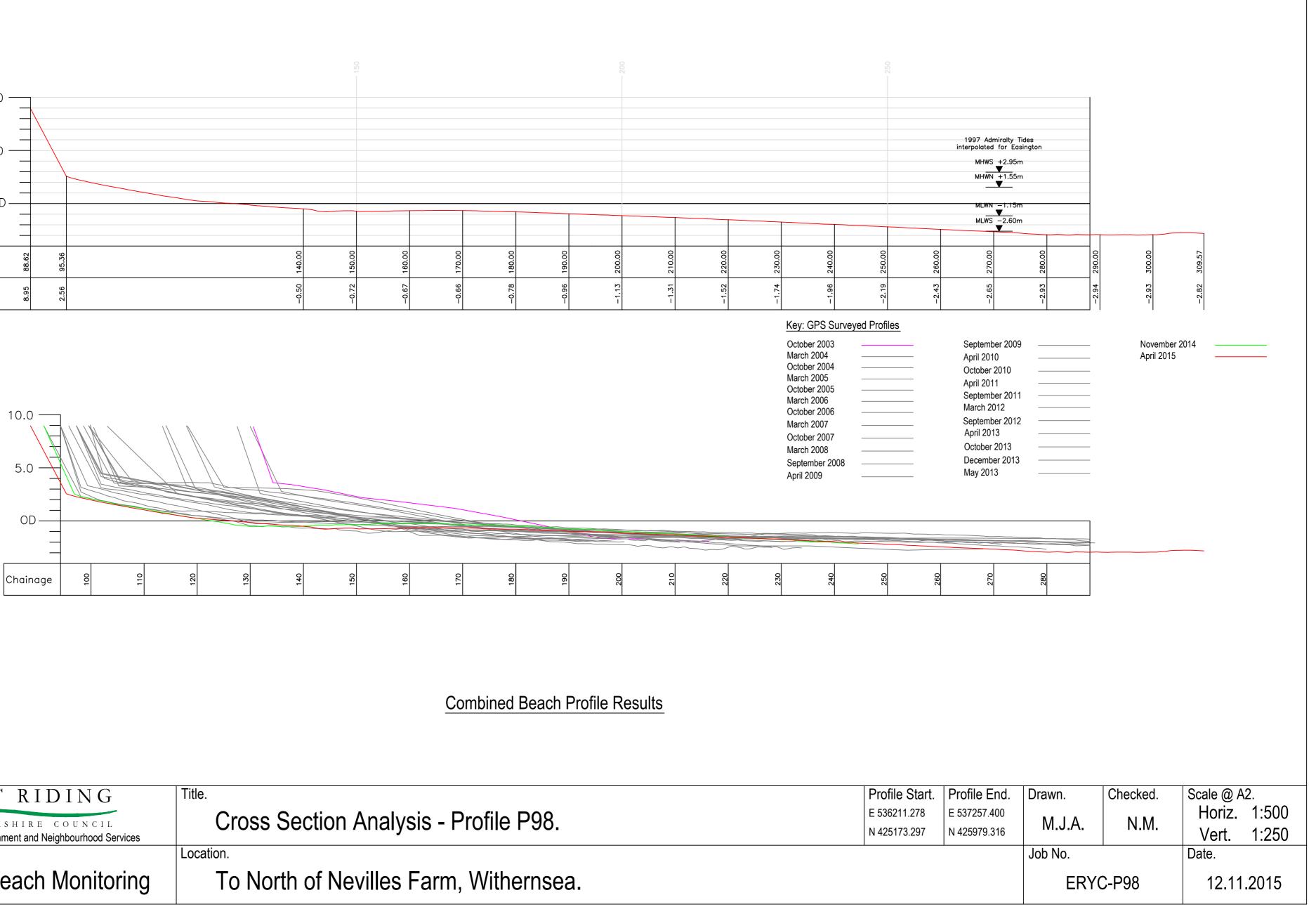
Project.

Opposite Sewage Works, Hollym (At Erosic

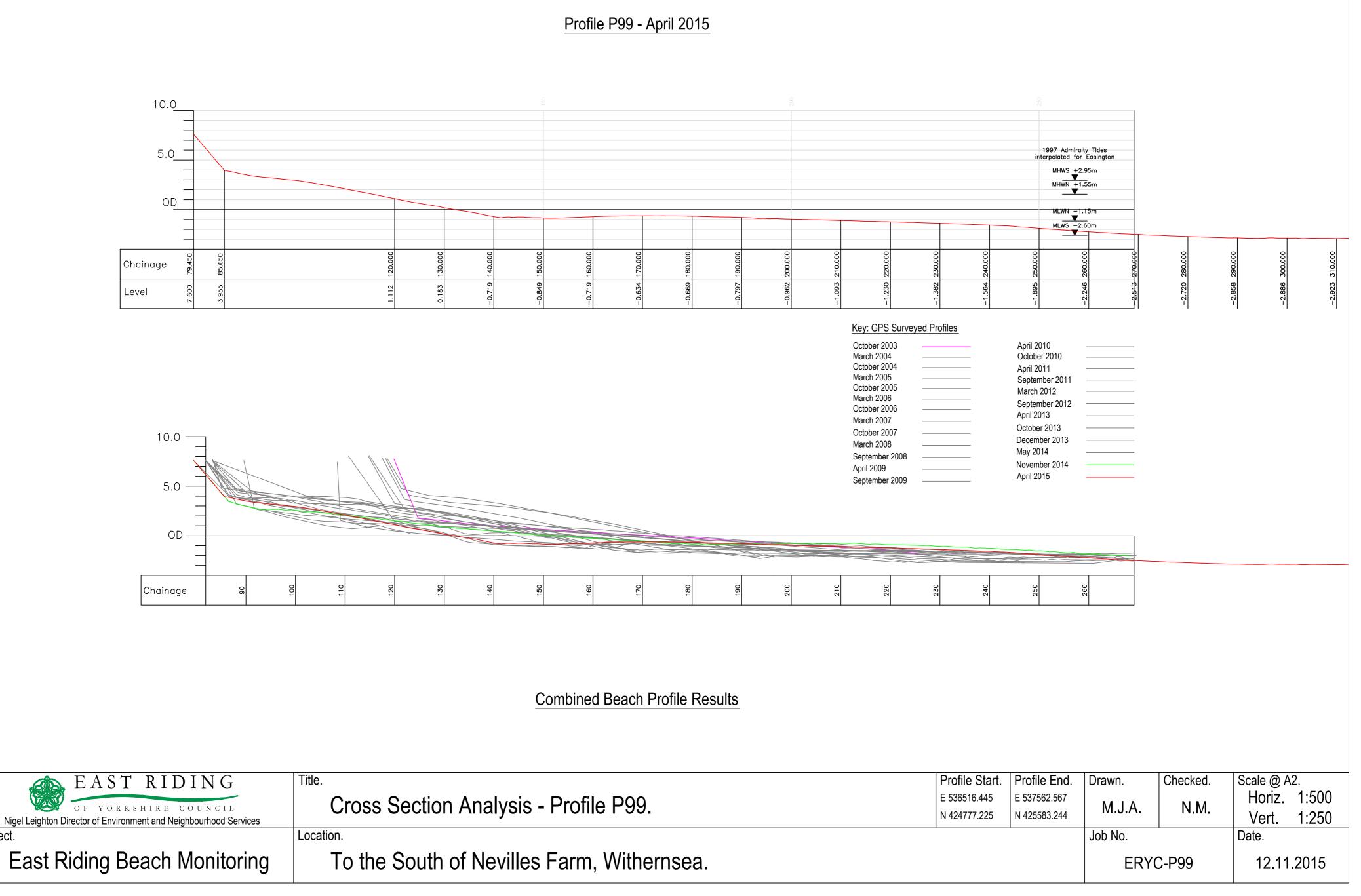
_													
						550							
								1997 Admii interpolated f	iralty for Ec	Tides ssington			
								MHWS +					
								MLWN -	-2.60	m			
			0	0		0					2		
200.000	210.000		220.000	230.000	240.000	250.000		260.000	z/n.u/	280.000	290.842		
-1.288	1.419		1.530	1.634	1.815	-2.053		-2.23/	407	-2.722	-2.930		
1	Ĩ		1					1 <u> </u> ``	1	ï]]	Ц		
				Key: GPS Surv October 1997	/eyed	Profiles	N4~	rch 2005			Contamber 0010		
				March 1998			Oc	tober 2005	_		September 2012 April 2013		
				October 1998 March 1999	Sectio	on Not Surveyed	Oc	rch 2006 tober 2006	_		October 2013 December 2013		
				October 1999 March 2000			Oc	rch 2007 tober 2007			May 2014 November 2014		
				October 2000 March 2001	Section	on Not Surveyed	Se	rch 2008 ptember 2008	_		April 2015		
				October 2001 March 2002			Se	ril 2009 ptember 2009	_				
				October 2002 March 2003			Oc	ril 2010 tober 2010					
				October 2003 March 2004			Se	ril 2011 ptember 2011					
				October 2004			Ма	rch 2012					
200	210		220	0	240	250		270	5	280			
50	Ň		5	230	2,	56	č	200	7	28			
sults													
						Profile Sta	irt. P	rofile End.		Drawn.	Checked.	Scale @ A2.	
						E 535906.111		536952.234		M.J.A.	N.M.	Horiz. 1:	
						N 425569.370	JN	426375.388		Job No.		Vert. 1: Date.	250
inn I	Doct N			d Eaci	nat	ton Dri	afila	DE)					15
	0511	10.30	), UI	d Easi	iy		JIIG	Γ0).		EKY	C-P97	12.11.20	CI

Profile P98 - April 2015





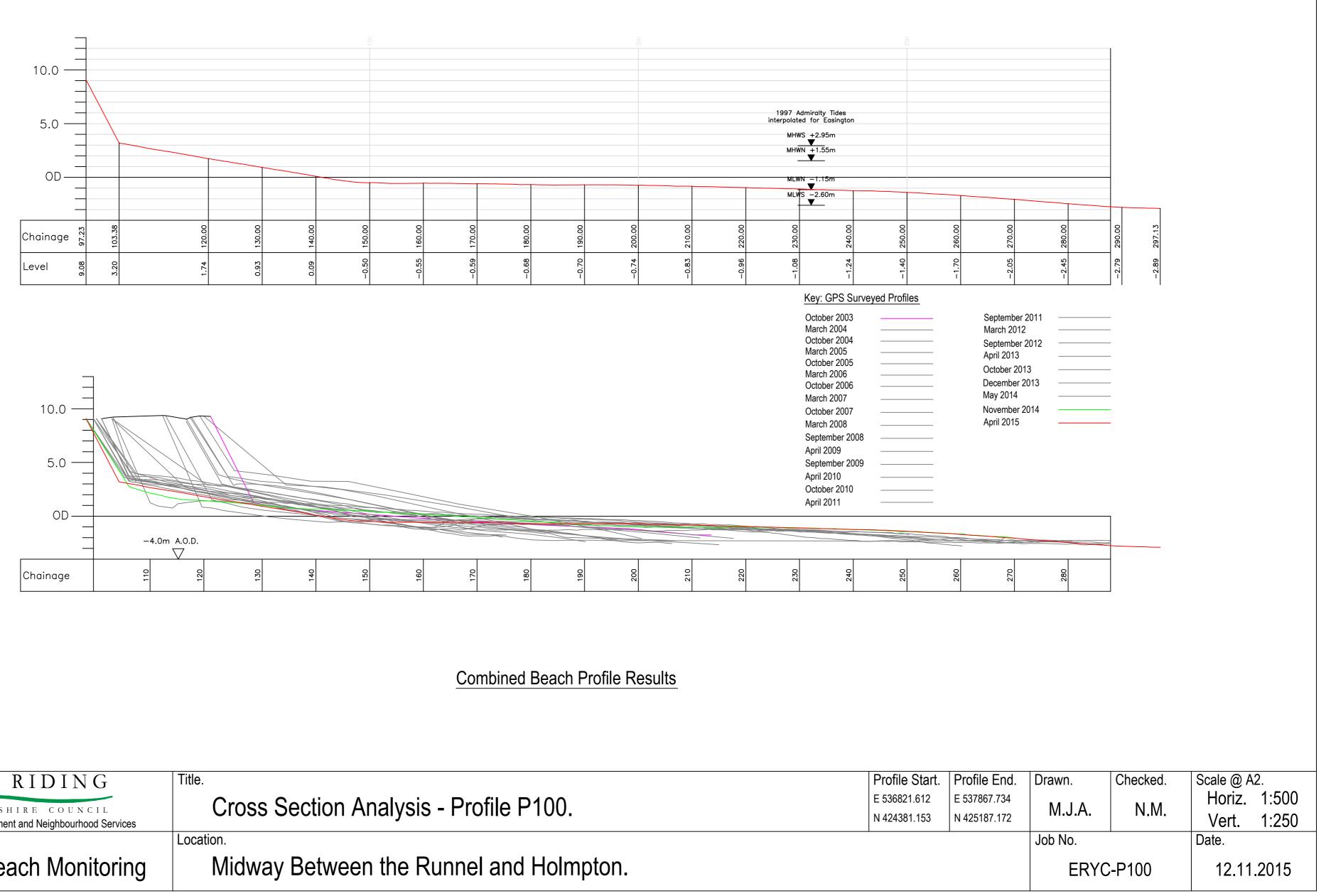
EAST RIDING	Title.
EAST RIDING OF YORKSHIRE COUNCIL Nigel Leighton Director of Environment and Neighbourhood Services	Cross Section Analysis - Profile P98.
Project.	Location.
East Riding Beach Monitoring	To North of Nevilles Farm, Withernsea.



East Riding Beach Monitoring

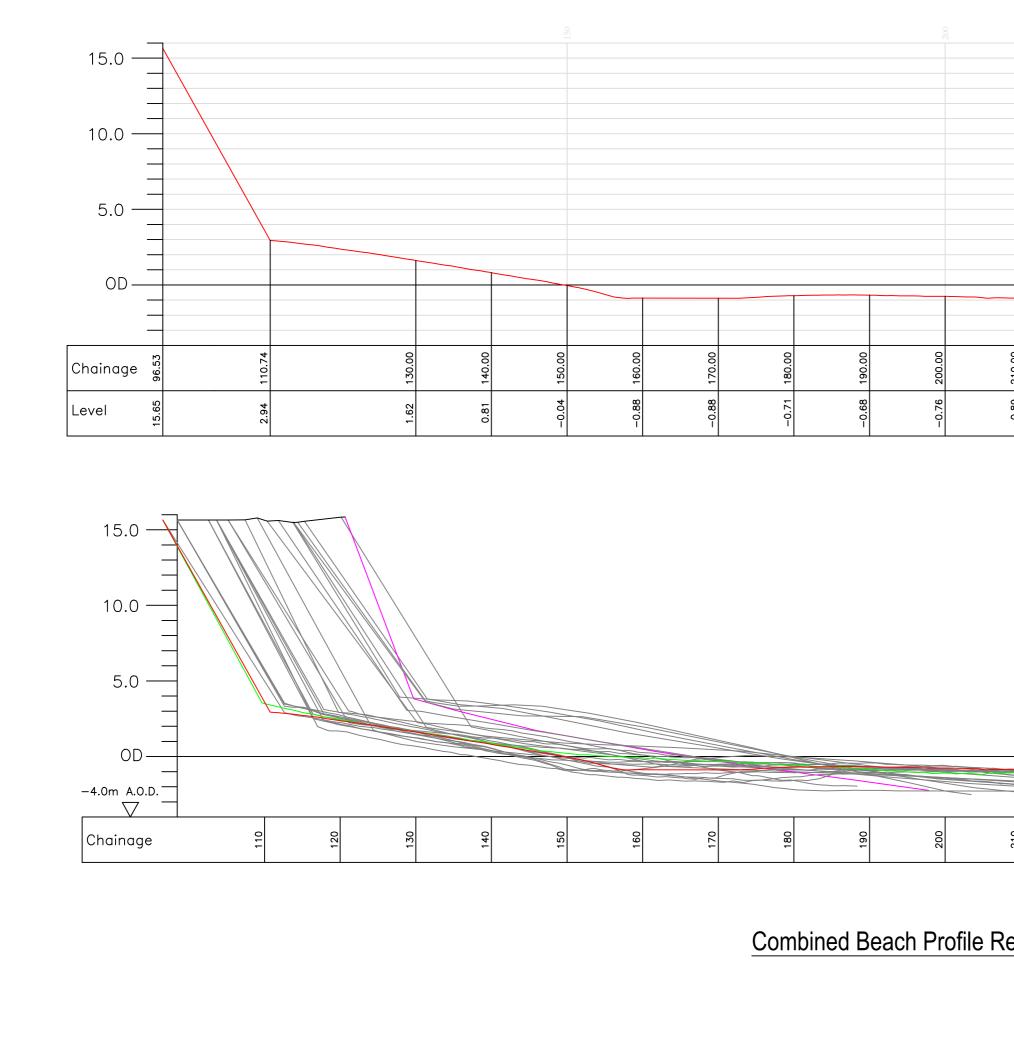
Project.

Profile P100 - April 2015



EAST RIDING	Title.
OF YORKSHIRE COUNCIL Nigel Leighton Director of Environment and Neighbourhood Services	Cross Section Analysis - Profile P100.
Project.	Location.
East Riding Beach Monitoring	Midway Between the Runnel and Holmpton.

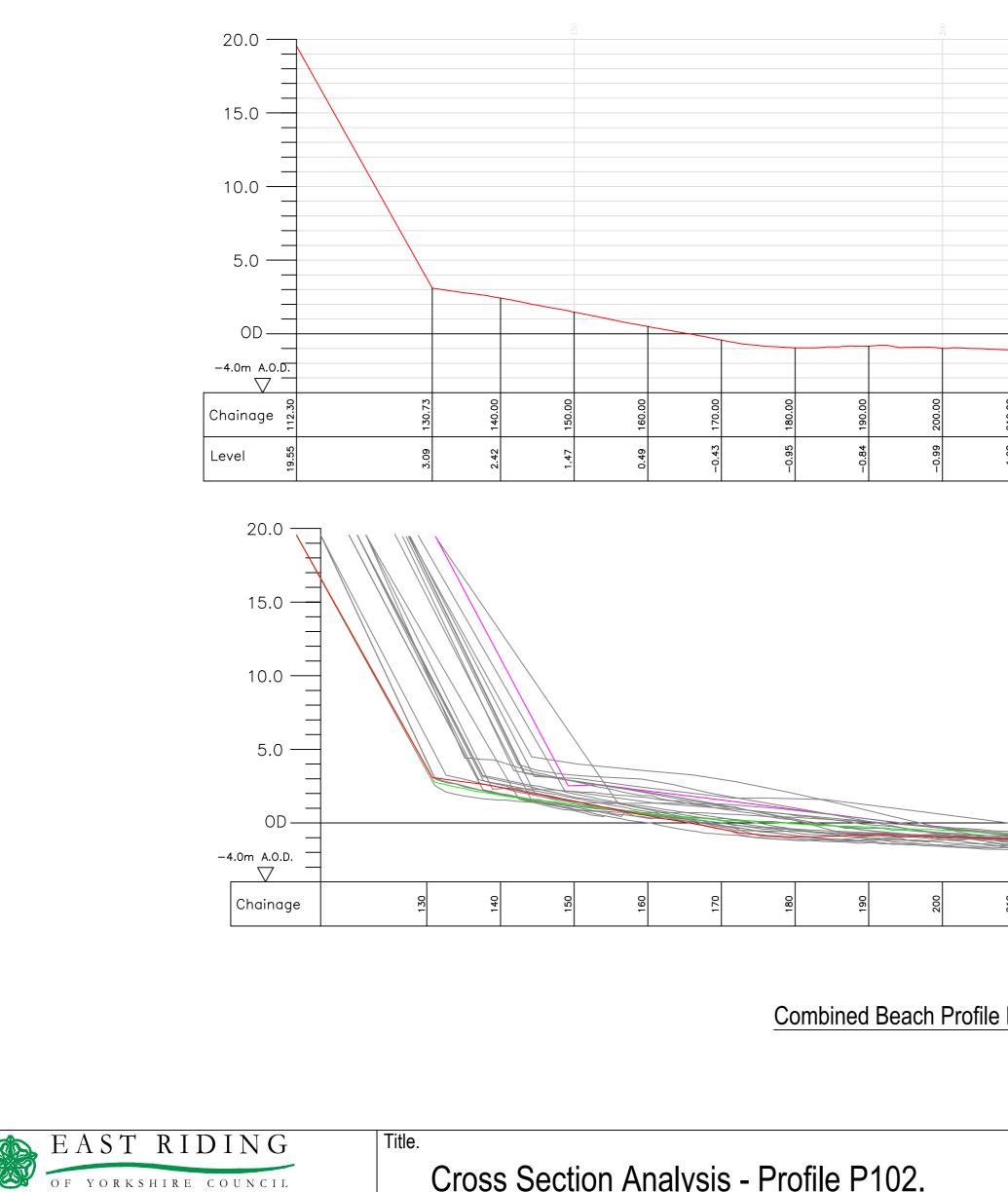
# Profile P101 - April 2015



EAST RIDING OF YORKSHIRE COUNCIL Nigel Leighton Director of Environment and Neighbourhood Services	Title. Cross Section Analysis - Profile P101.
Project.	Location.
East Riding Beach Monitoring	Opposite Holmpton Village.

			250						
			1997 Admir interpolated 1c						
			MHWS V MHWN V	1.55m					
			MLWN						
210.00 220.00		240.00	250.00	560.00	270.00	290.00 291.26			
-0.89 -1.00	-1.12	-1.19	-1.37	-1.57	-1.84	-2.67 -2./3			
		April 200	004		April 2011 September 2011 March 2012 September 2012 April 2013 October 2013 December 2013 May 2014 November 2014 April 2015				
220	230	240	250	260	270 280	290			
<u>esults</u>									
				Profile Start. E 537126.778 N 423985.081	Profile End. E 538172.901 N 424791.099	Drawn. M.J.A.	Checked. N.M.	Vert.	2. 1:500 1:250
						Job No.		Date.	
						ERY	′C-P101	12.11	.2015

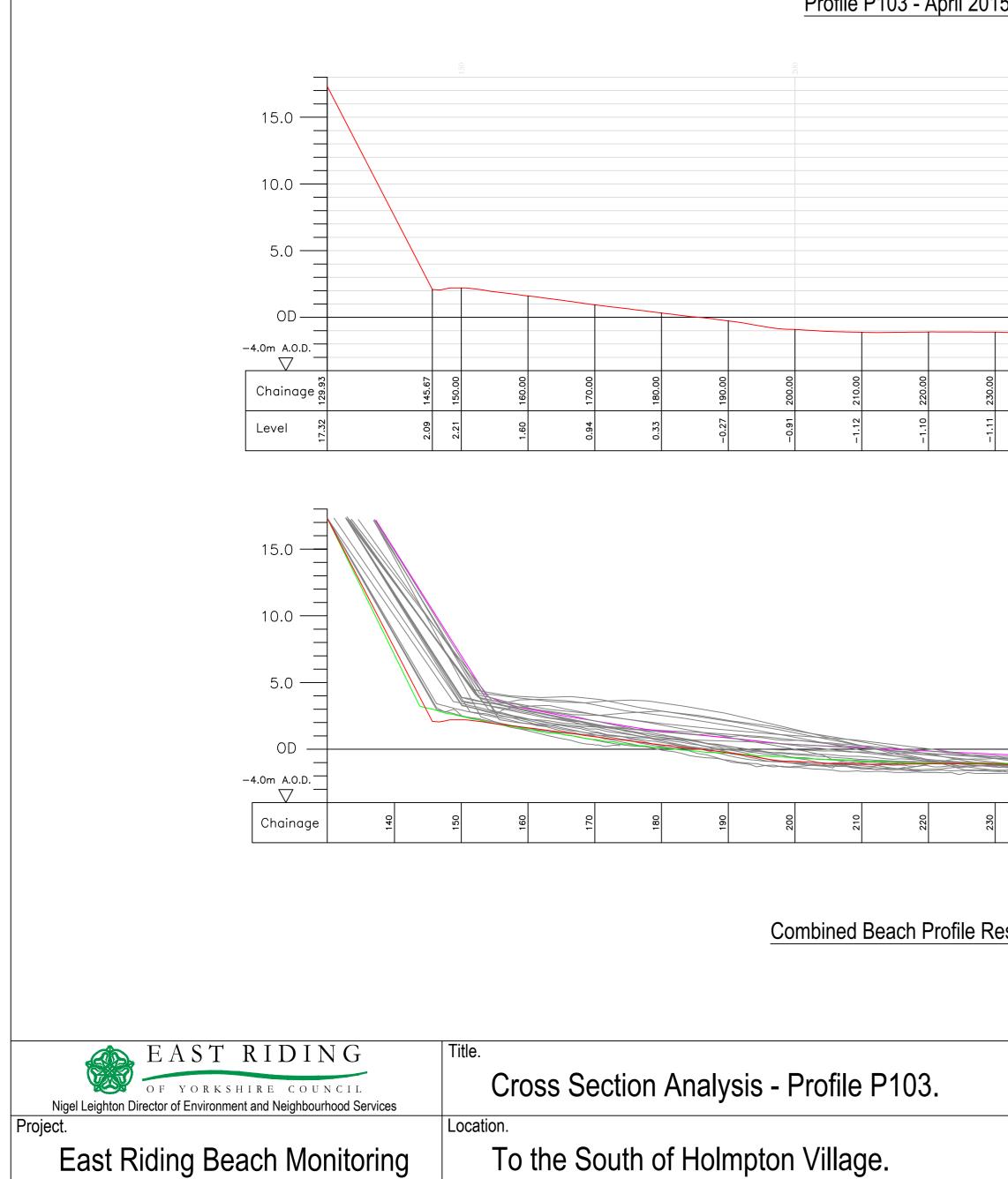
Profile P102 - April 2015



EAST RIDING	Title.
VOF YORKSHIRE COUNCIL Nigel Leighton Director of Environment and Neighbourhood Services	Cross Section Analysis - Profile P102.
Project.	Location.
East Riding Beach Monitoring	To the South of Holmpton Village.

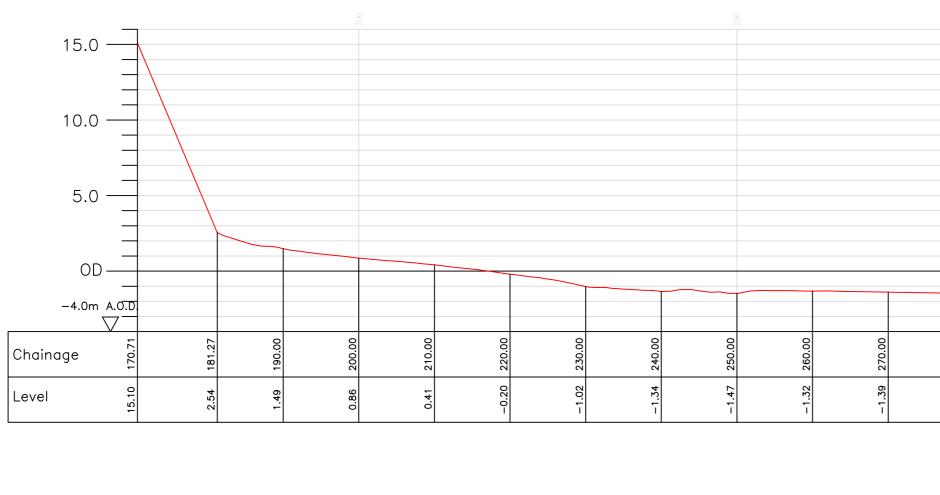
<u>.015</u>					
1997 Admiralty Tides interpolated for Easington					
MHWS +2.95m MHWN +1.55m					
Image: marked state stat	-1.39 260.00	-1.47 270.00 -1.64 280.00	1.83 290.00	-2.12 300.00 -2.49 310.00	-2.84 320.00 -2.85 325.22
I    I    I    I    I    I    I      Key: GPS Surveyed Profiles    October 2003	Sept Marc Sept April Octo Dece May Nove April	i  i    iember 2011			
210 220 230 240 250	260	270			
<u>Results</u>					
	E 537431.945	Profile End. E 538478.067 N 424395.027	Drawn. M.J.A.	Checked. N.M.	Scale @ A2. Horiz. 1:500 Vert. 1:250
			Job No. ERYC	-P102	Date. 12.11.2015

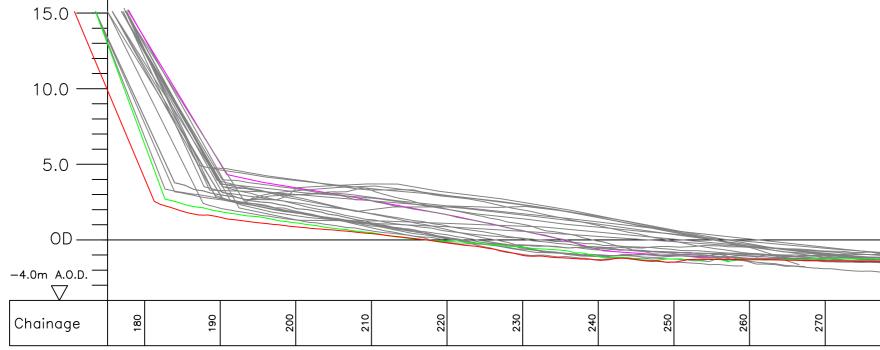
Profile P103 - April 201



<u>5</u>						
	1997 Admiralty Tid interpolated for Easir MHWS +2.95m MHWN +1.55m	es Igton				
	MLWN -1.15m V MLWS -2.60m					
		0 0	0	0 0	-	
-1.20 240.00 -1.33 250.00		-1.60 280.00	-1.91 300.00	-2.11 310.00 -2.35 320.00	-2.76 328.71	
	Key: GPS Surveyed ProfileOctober 2003March 2004October 2004March 2005October 2005March 2006October 2006March 2007October 2007March 2008September 2008April 2009April 2010October 2010April 2011	Sept Marc Sept April Octo Dece May Nove April	ember 2011 ember 2012 2013 ber 2013 ember 2013 2014 2015			
240	260	290	300	310		
esults	<u> </u>					
		E 537737.112	Profile End. E 538783.234 N 423998.955	Drawn. M.J.A.	Checked. N.M.	Scale @ A2. Horiz. 1:500 Vert. 1:250
		·		Job No. ERYC	-P103	Date. 12.11.2015

# Profile P104 - April 201



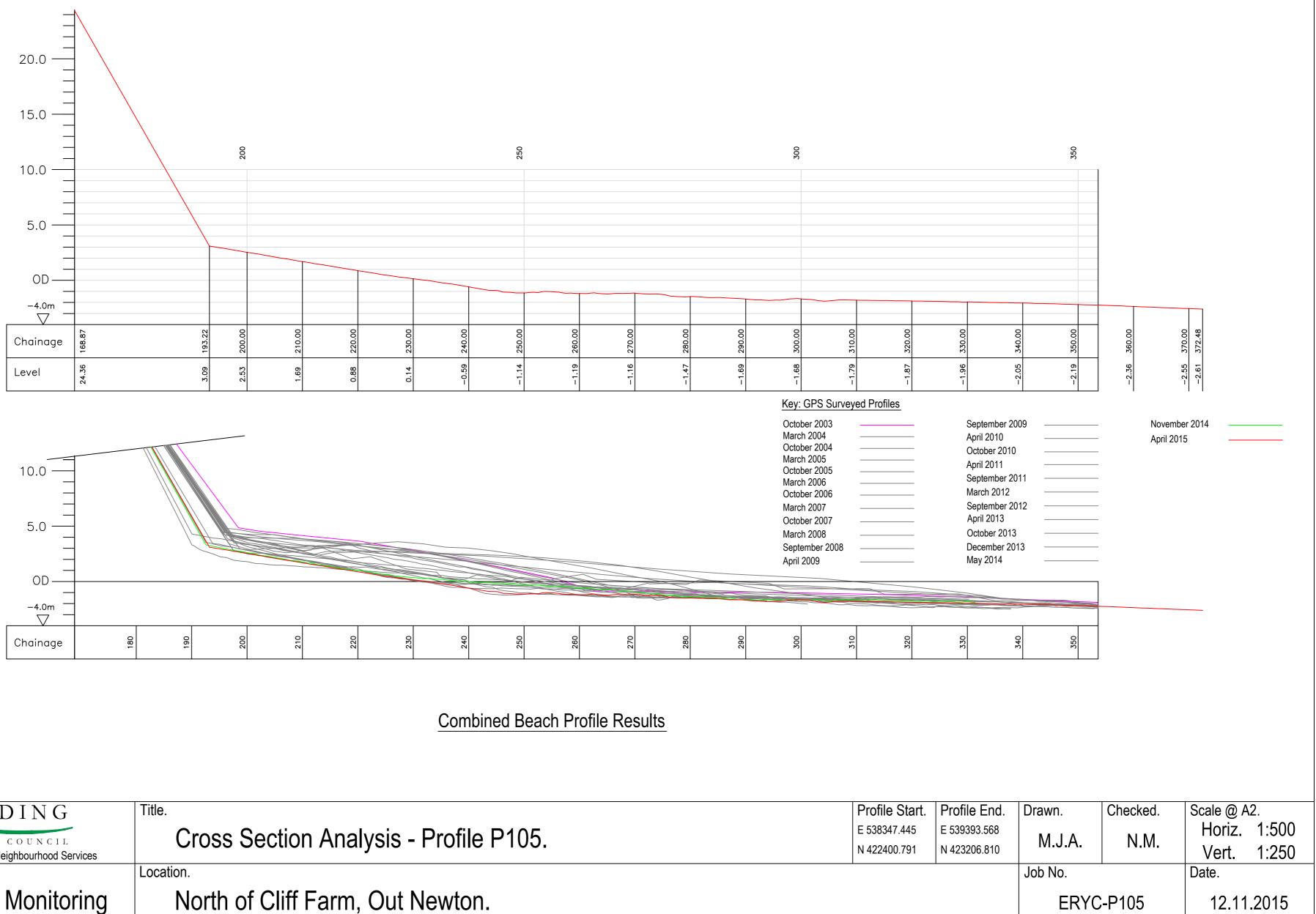


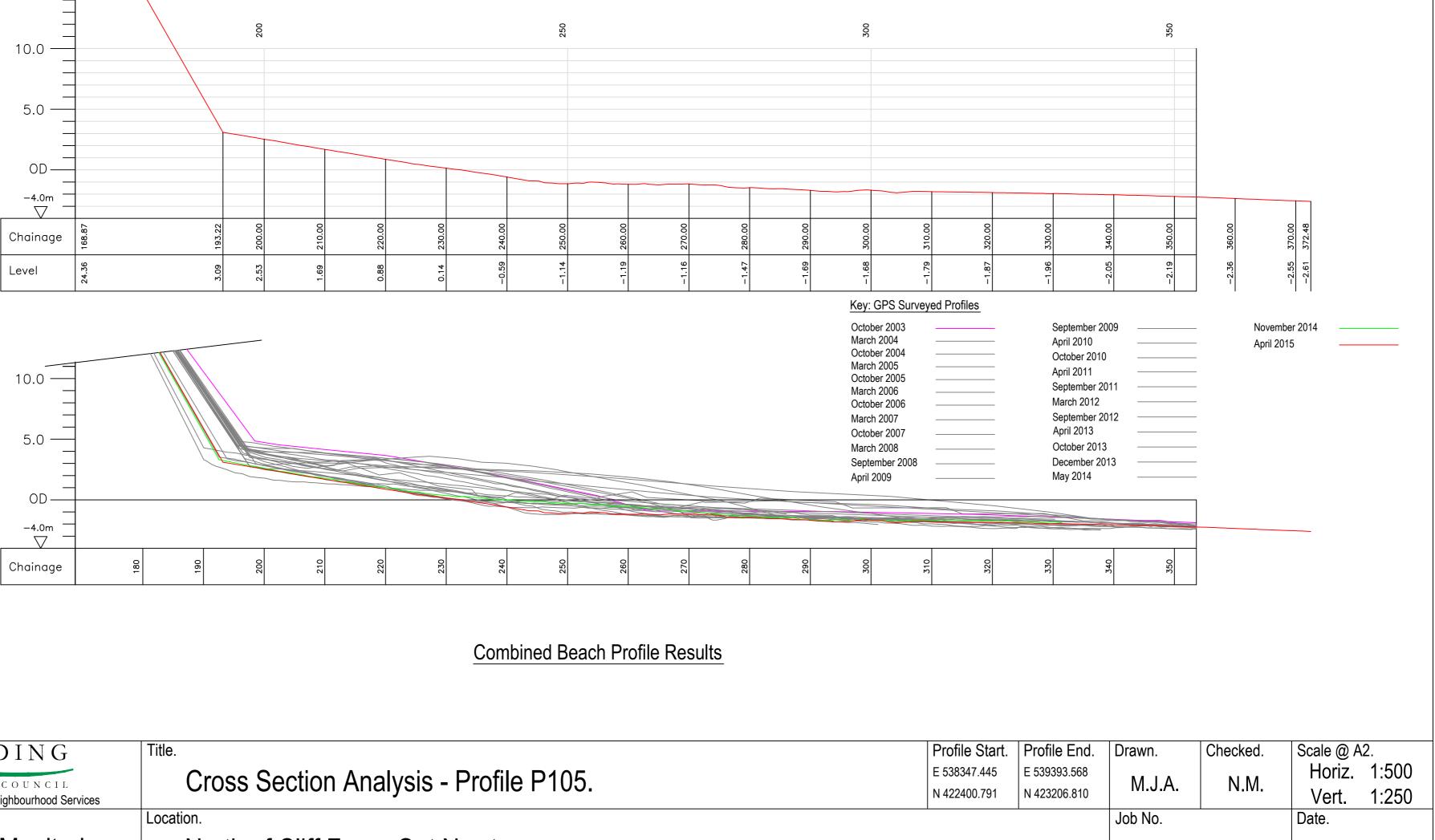
Combined Beach Profile Re

EAST RIDING      OF YORKSHIRE COUNCIL      Nigel Leighton Director of Environment and Neighbourhood Services	Cross Section Analysis - Profile P104.
Project.	Location.
East Riding Beach Monitoring	Opposite 'Old Hive' Dyke to the North of Out

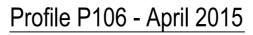
<u>15</u>						
	8      8      8        1      1      1        Key: GPS Surveyed Pr      1      1        October 2003      1      1        March 2004      1      1        October 2003      1      1        March 2004      1      1        October 2004      1      1        March 2005      1      1        October 2005      1      1        March 2006      1      1        October 2006      1      1        March 2007      1      1        October 2007      1      1        March 2008      1      1        September 2008      1      1        April 2010      1      1        October 2010      1      1	1997 Admiralty interpolated for Ec MHWS +2.95 MHWN +1.55 	nsington m m m	-2.61 360.00		
280 300 300	310 320	330	340 350	360	-	
<u>Results</u>						
		Profile Start. E 538042.279 N 422796.864	Profile End. E 539088.401 N 423602.882	Drawn. M.J.A. Job No.	Checked. N.M.	Scale @ A2. Horiz. 1:500 Vert. 1:250 Date.
it Newton.					′C-P104	12.11.2015

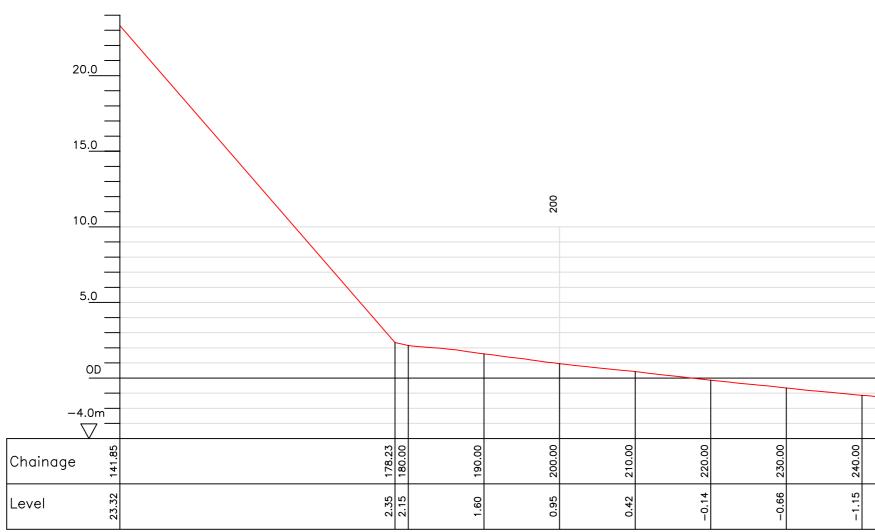


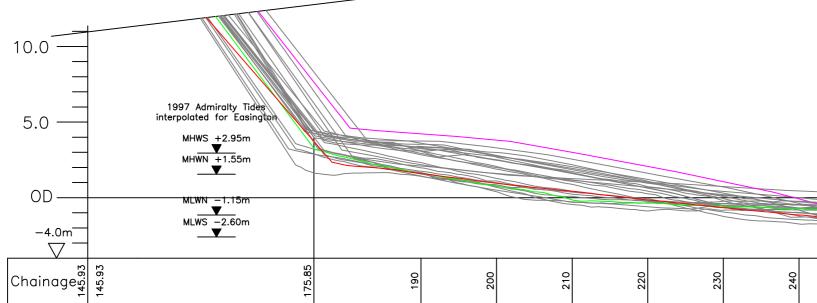




EAST RIDING	Title.
OF YORKSHIRE COUNCIL	Cross Section Analysis - Profile P105.
Nigel Leighton Director of Environment and Neighbourhood Services	-
Project.	Location.
East Riding Beach Monitoring	North of Cliff Farm, Out Newton.



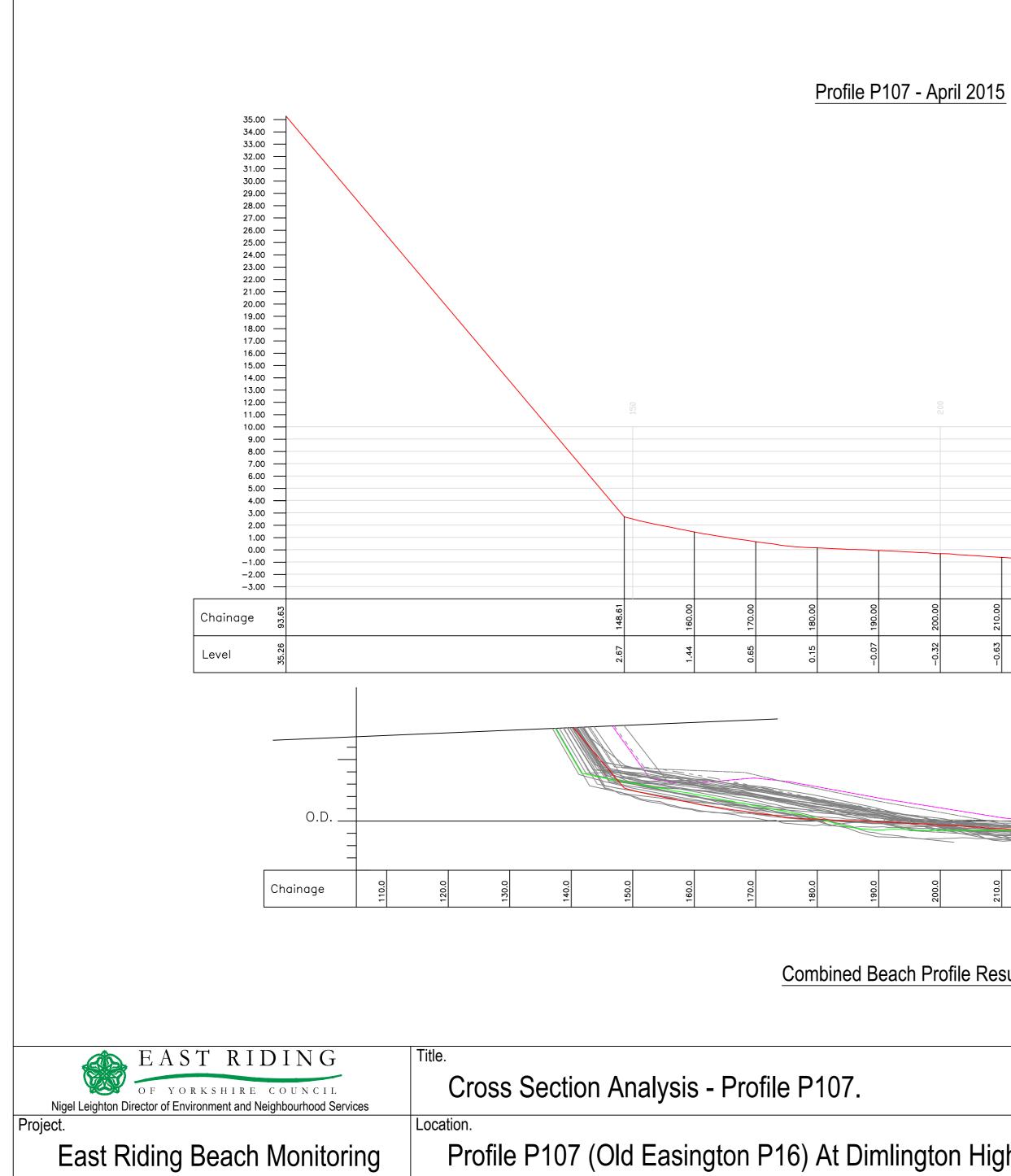




Combined Beach Prof

Title.
Cross Section Analysis - Profile P106.
Location.
South of Out Newton.
-

250					300							
250.00	260.00	270.00	280.00		300.00	310.00		320.00	330.00	340.00	350.00	360.00 363.43
-1.56		-1.84	- 1.91			-2.01		-2.13	-2.24	-2.35		-2.69 -2.69
I	I	I	<u></u> <u>K</u> e	ey: GPS Sur	veyed Profiles	I		I	. I	1 1	Ι	1 1
			Ma	ctober 2003 arch 2004 ctober 2004			April 20 October April 20	r 2010 — 11 —				
			Oc Ma	arch 2005 ctober 2005 arch 2006			March 2 Septem	ber 2012				
			Ma	ctober 2006 arch 2007			April 20 October					
			Ma	ctober 2007 arch 2008 eptember 2008	8		May 20 <sup>.</sup> Novemb	14 — ber 2014 —				
			Ap	pril 2009 eptember 2009			April 20	15 —		_		
250	260	270	280		300	310		320	330			
file Re	sults											
				P	rofile Start.	Profile	End.	Drawn.	(	Checked.	Scale @ A	
					538652.612 422004.719	E 539698 N 422810		M.J.A	۸.	N.M.	Horiz. Vert.	1:500 1:250
				I				Job No.	I		Date.	
								EF	RYC-I	<b>P106</b>	12.11	.2015



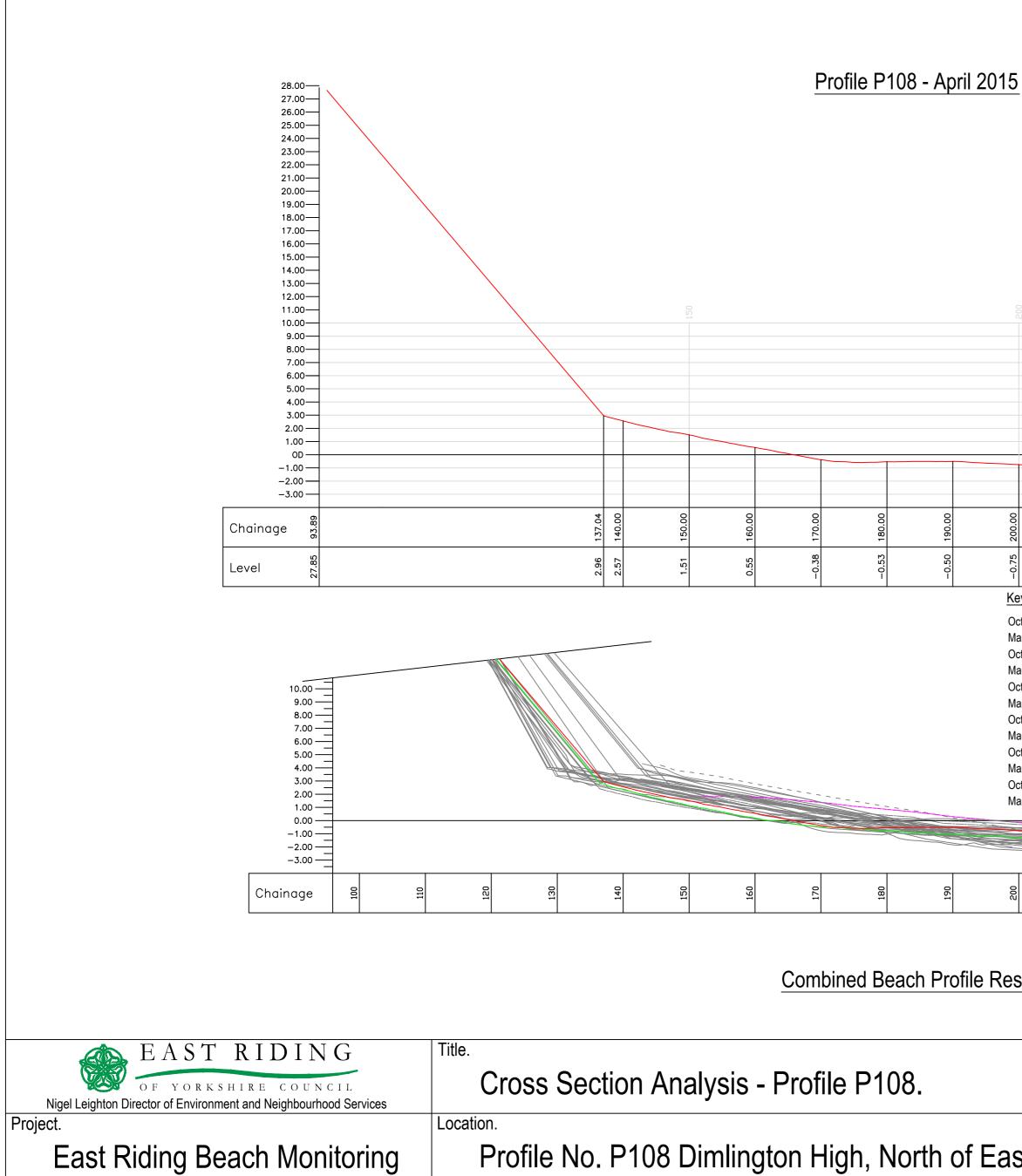
8

200.0

### Key: GPS Surveyed Profiles

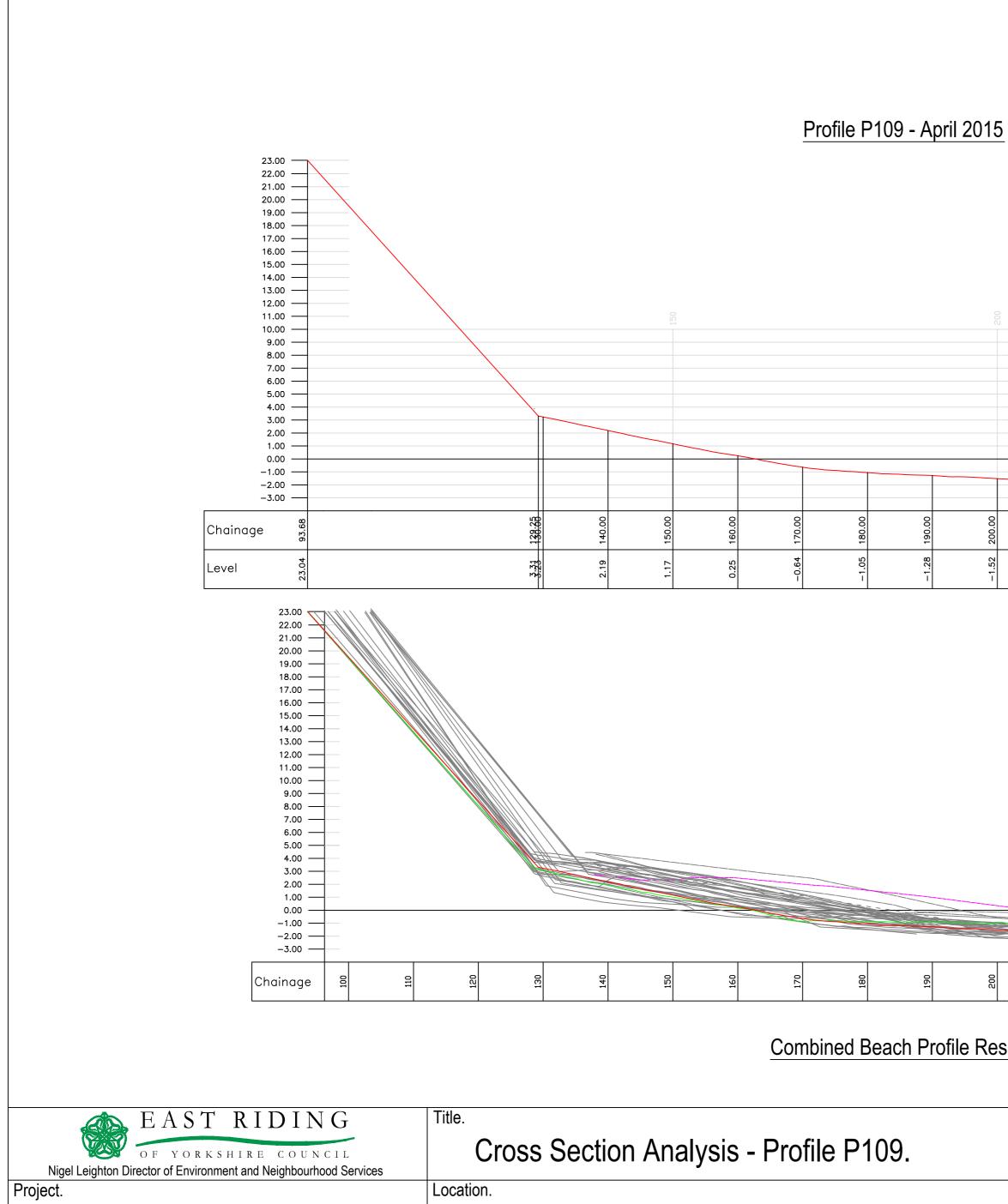
<u>II 2015</u>		Key: GPS Surv October 1997 March 1998 October 1998 March 1999 October 1999 March 2000 October 2000 March 2001 October 2001 March 2002 October 2002 March 2003 October 2003 March 2004 October 2004 March 2005 October 2005 March 2006	veyed Profiles	March Octob March Septe April 2 Septe April 2 Octob April 2 Septe March Septe April 2 Octob Dece May 2	ember 2009 2010 per 2010 2011 ember 2011 n 2012 ember 2012 2013 per 2013 mber 2013 2014 mber 2014					
-0.63 210.00	-0.94 220.00 -1.26 230.00	-1.52 240.00	-1.73 250.00	-1.89 260.00	-2.03 270.00	-2.27 280.00	-2.49 290.00	-2.62 300.00	-2.73 310.00	-2.78 320.00
210.0	220.0	240.0	250.0	260.0	270.0	280.0				
ile Results			Profile Start	Drofile			Checked			

	Profile Start. E 538957.779 N 421608.647	38957.779 E 540003.901		Checked. N.M.	Scale @ A Horiz. Vert.	<sup>2.</sup> 1:500 1:250
			Job No.		Date.	
gton High Opposite Erosior	ERYC	-P107	12.11.2015			



Octo Mar Octo Mar Octo Mar Octo Mar Octo	00 00 00 00 00 00 00 00 00 00 00 00 00	eyed Profiles		Detober 2003 March 2004 March 2005 Detober 2005 March 2006 Detober 2005 March 2007 March 2007 March 2007 March 2008 September 2008 September 2009 September 2009		-2.76	April 2010 October 201 April 2011 September 2 April 2013 October 201 December 2 May 2014 November 2 April 2015	2011     2012     3     013	-2:80 290.00	-2.81 300.00 -2.82 310.00	-2.78 320.09
200	210	220	230	240	250	260	270	580			
Res	<u>ults</u>										
					Profile Star E 539262.946		le End. 309.068	Drawn.	Checked.	Scale @ A Horiz.	
					N 421212.575	N 422	018.593	M.J.A. Job No.	N.M.	Vert. Date.	1:250
										Duto.	

	Profile Start.	Profile End.	Drawn.	Checked.	Scale @ A2.
	E 539262.946	E 540309.068			Horiz. 1:500
	N 421212.575	N 422018.593	M.J.A.	N.M.	Vert. 1:250
		•	Job No.		Date.
Easington.	ERYC	C-P108	12.11.2015		

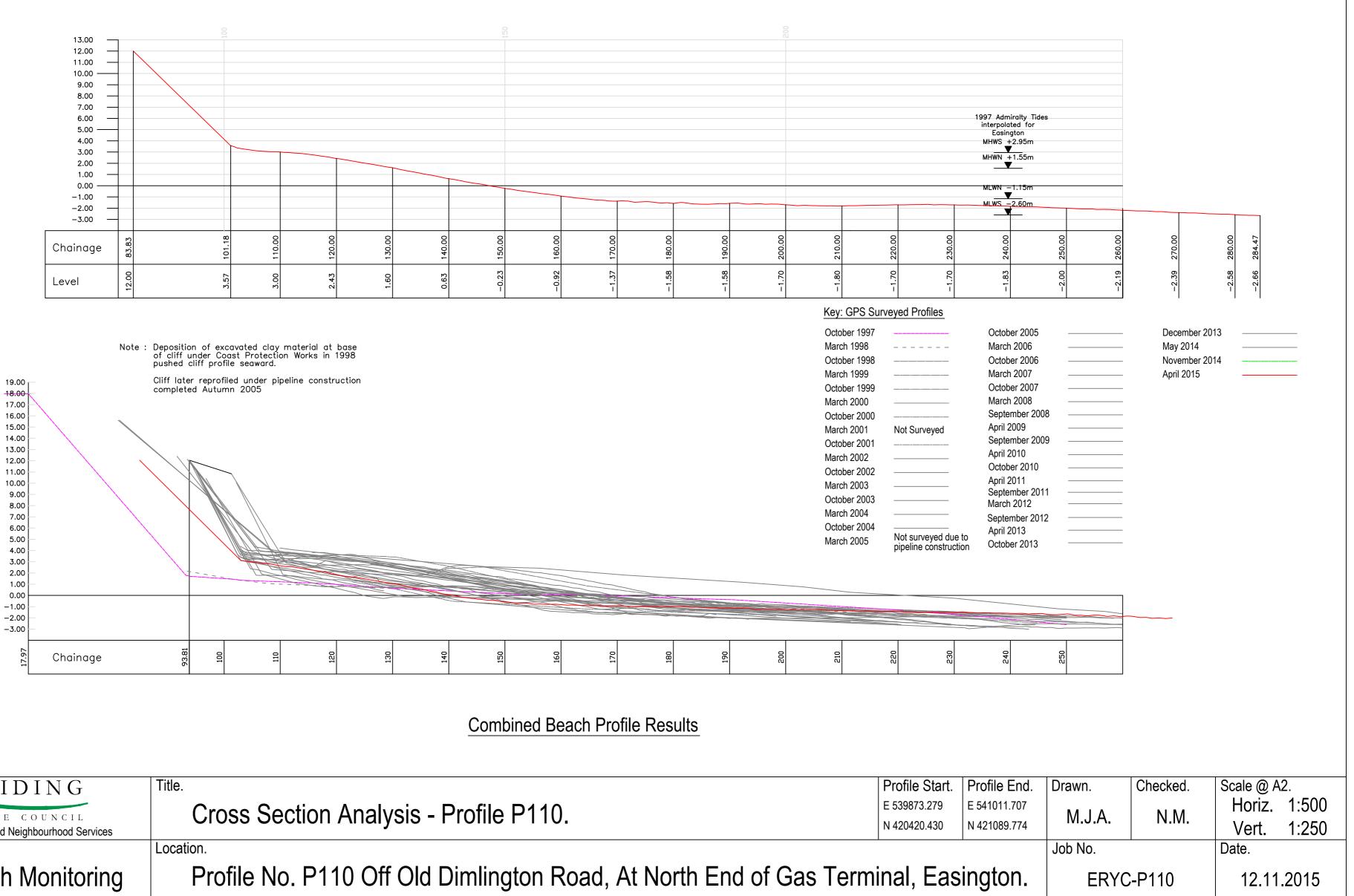


East Riding Beach Monitoring

Profile No. P109 Dimlington High, North of Ea

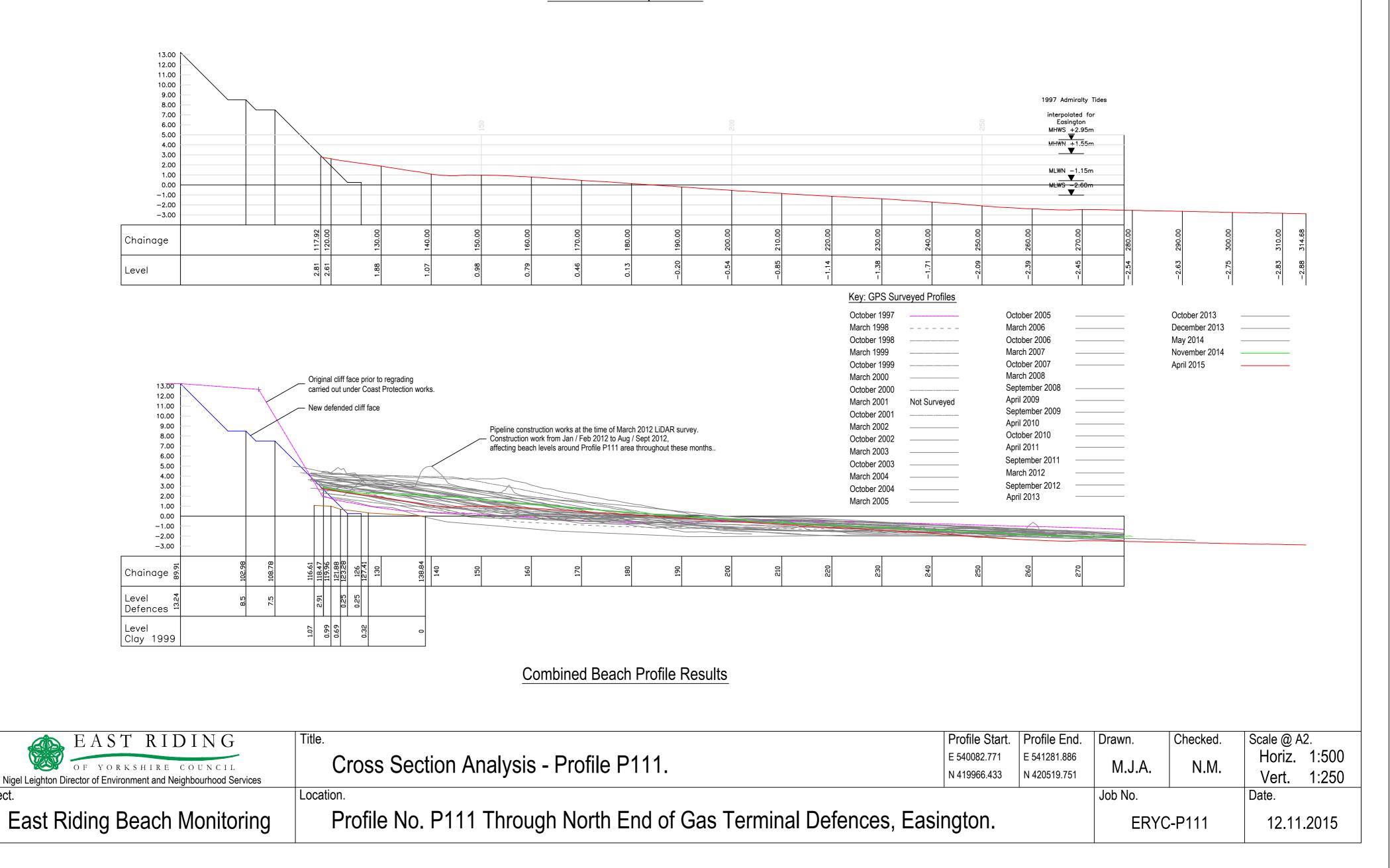
500					530				1		
							1997 Admira interpolate Easingta MHWS +2. MHWN +1.	d for on 95m	- - - - -		
								_	-		
							MLWS -2.		-		
200.00	210.00	220.00	230.00	240.00	250.00	260.00	270.00	273.17			
-1.52	-1.70	-1.61	-1.69	-1.91	-2.14	-2.43	-2.79	-2.87			
					urveyed Profiles		<b>I</b>		-		
			Octo Mar Octo Mar Octo Mar Octo Mar Octo Mar Octo Mar	ch 1998 ober 1998 ch 1999 ober 1999 ober 2000 ober 2000 ch 2001 ober 2001 ch 2002 ober 2002 ch 2003 ober 2003 ch 2004 ober 2004 ober 2004 ober 2005	Not Surveyed		March 2006 October 2007 October 2007 March 2008 September 20 April 2009 September 20 April 2010 October 2010 April 2011 September 20 March 2012 September 20 April 2013 October 2013 December 20	008	- May 2014 - November - April 2015 	2015	
200	210	220	530	240	550	260	<i>27</i> 0	580			
									]		
Results	<u>8</u>										
					Profile Start.		file End.	Drawn.	Checked.	Scale @ A2	
					E 539568.113 N 420816.502		0614.235 1622.521	M.J.A.	N.M.	Horiz. Vert.	1:500 1:250
								Job No.		Date.	
asin	gton.							ERYC	C-P109	12.11.2	2015

## Profile P110 - April 2015

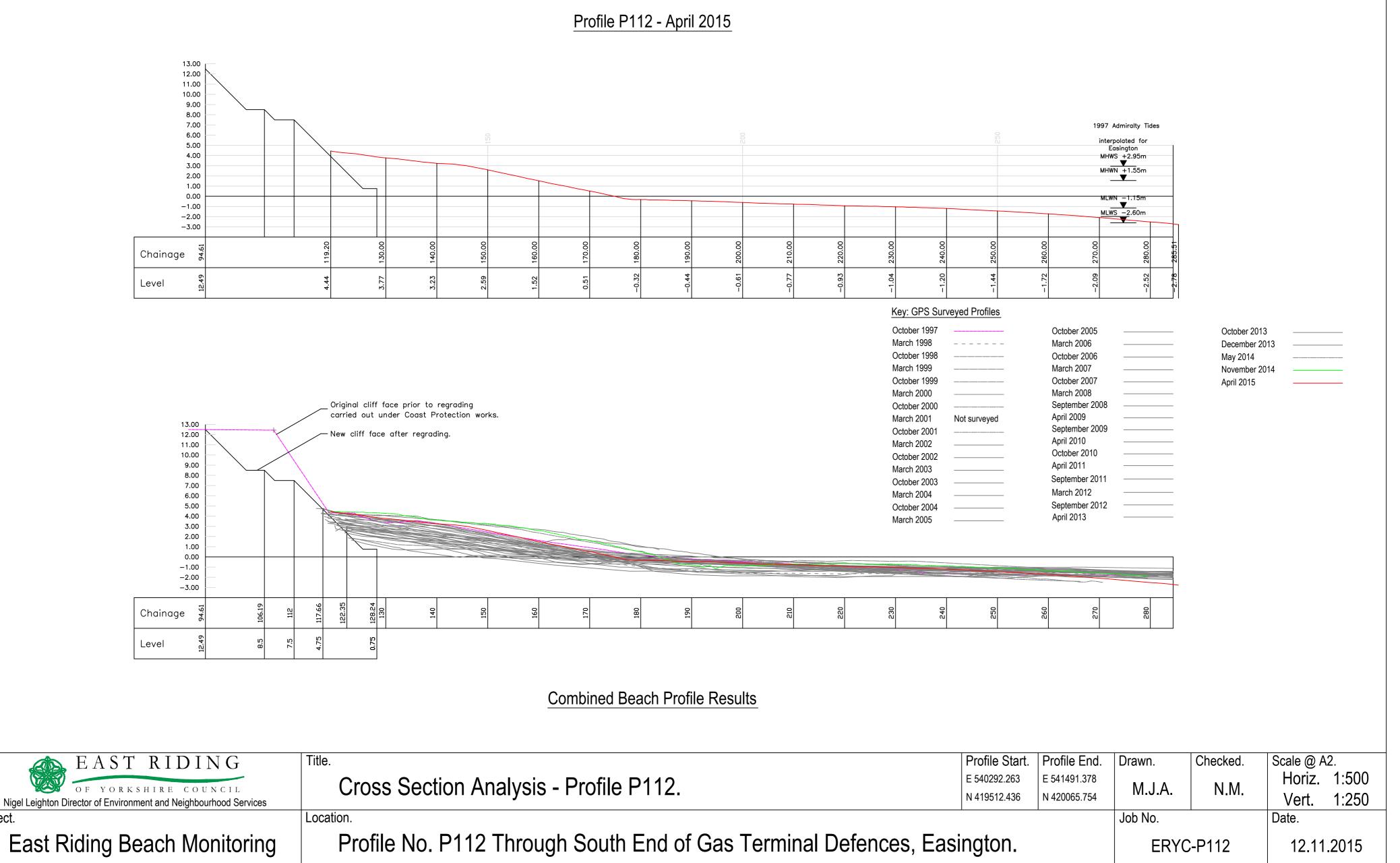


EAST RIDING	Title.
OF YORKSHIRE COUNCIL Nigel Leighton Director of Environment and Neighbourhood Services	Cross Section Analysis - Profile P110.
Project.	Location.
East Riding Beach Monitoring	Profile No. P110 Off Old Dimlington Road, At

## Profile P111 - April 2015



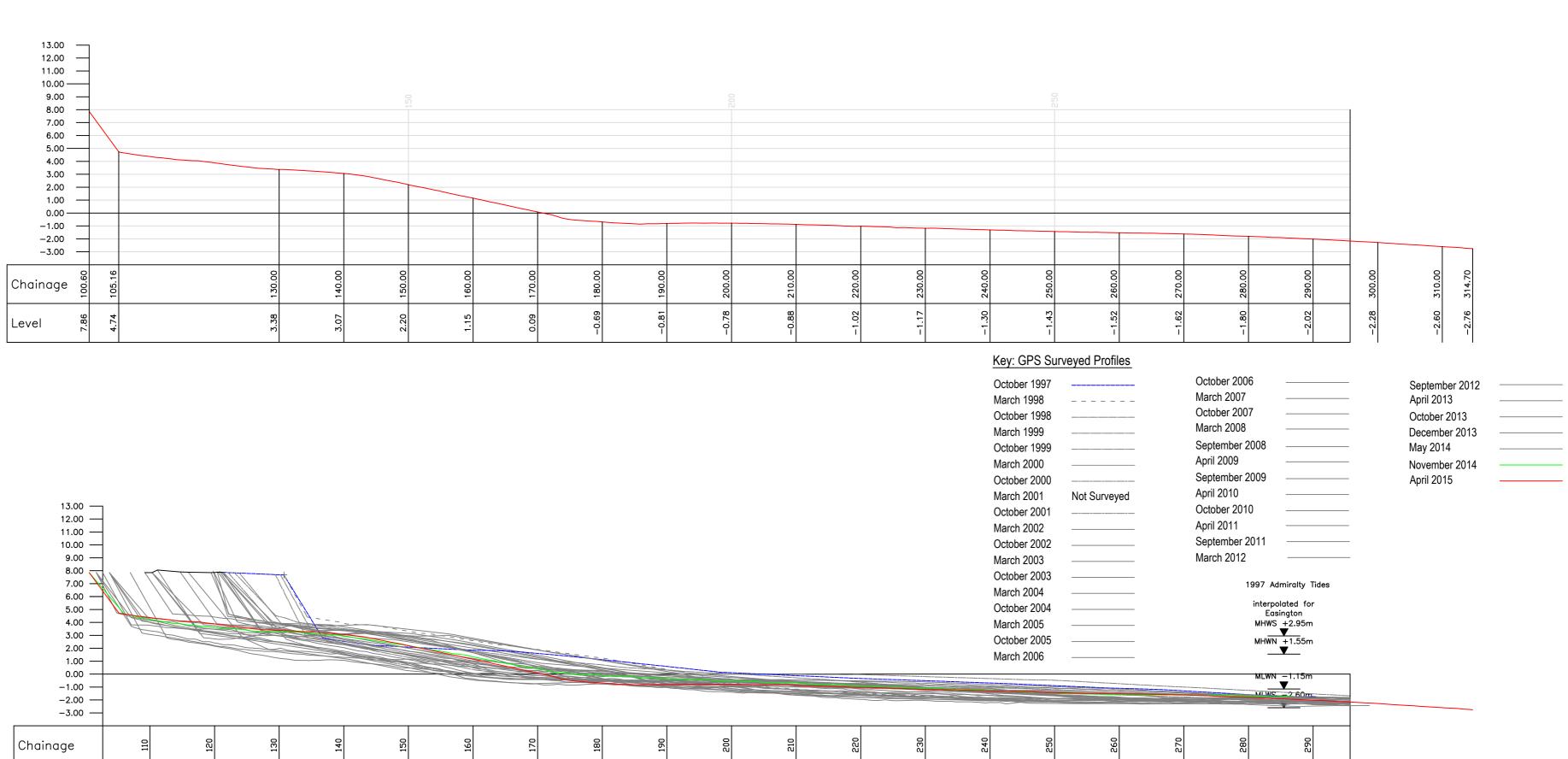
Project.

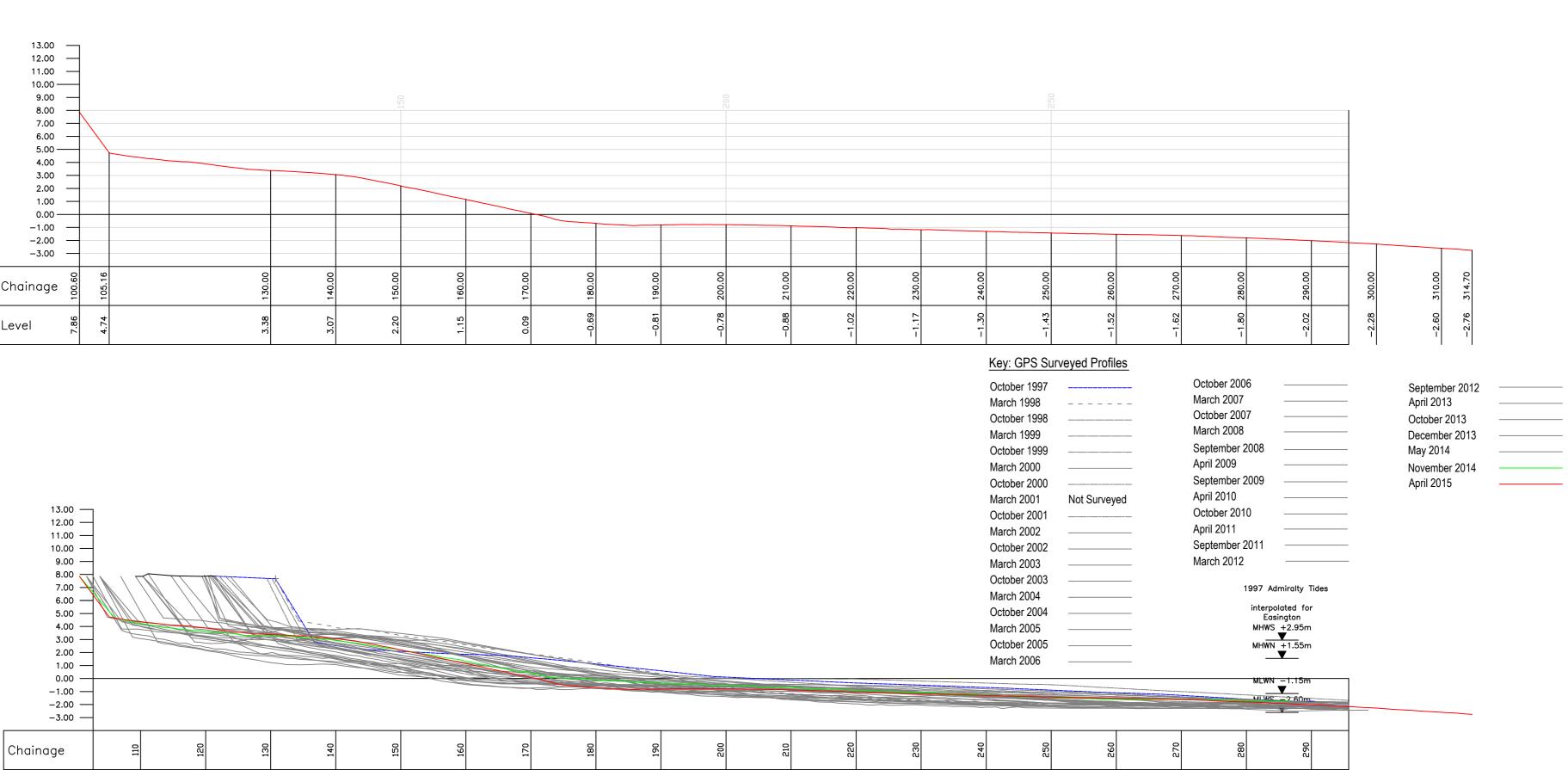


Project.

East Riding Beach Monitoring

Profile P113 - April 2015

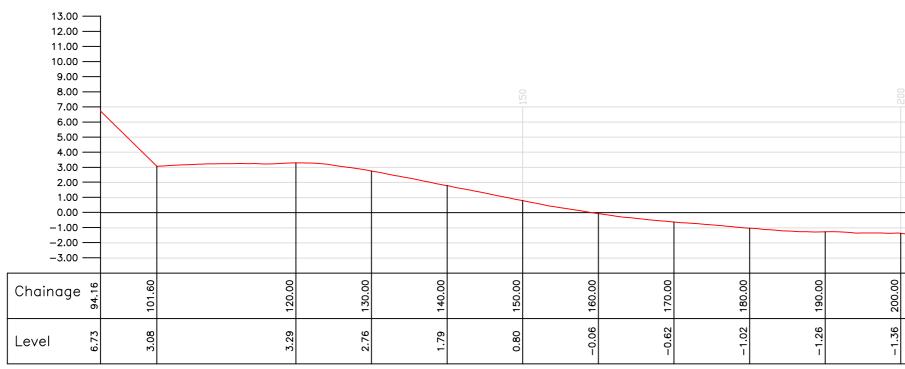


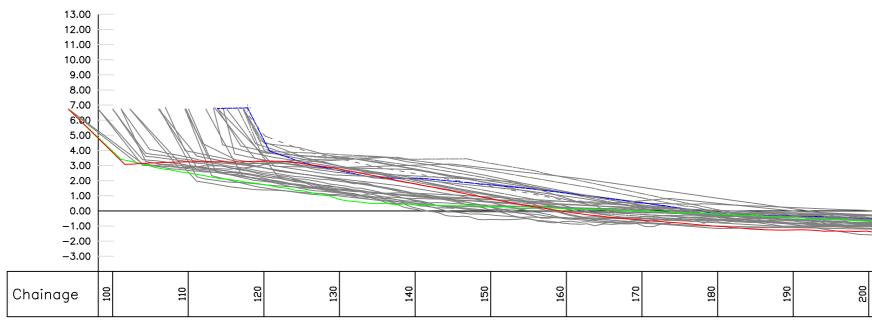


## **Combined Beach Profile Results**

EAST RIDING	Title.	Profile Start.	Profile End.	Drawn.	Checked.	Scale @ A2.
OF YORKSHIRE COUNCIL	Cross Section Analysis - Profile P113.	E 540501.754 N 419058.439	E 541700.869 N 419611.757	M.J.A. N.M.		Horiz. 1:500
Nigel Leighton Director of Environment and Neighbourhood Services <b>Project</b> .	Location. Profile No. P113 North End of Long Beach Caravan Park, Easingto			Job No.		Vert. 1:250 Date.
East Riding Beach Monitoring	erosion post number 109)		ERYC-P113		12.11.2015	

Profile P114 - April 2015





Combined Beach Profile

EAST RIDING	Title.
OF YORKSHIRE COUNCIL	Cross Section Analysis - Profile P114.
Nigel Leighton Director of Environment and Neighbourhood Services	•
Project.	Location.
East Riding Beach Monitoring	Profile No. P114 To the South of Seaside Ro

210.00	220.00			250.00			280.00	290.00	300.00	310.00	320.00		
-1.51	-1.50	-1.51	-1.37	-1.37	-1.46	- 1.55	-1.66	-1.79	-1.96	-2.11	-2.23		
	Key: GPS Surveyed Profiles												
		ober 1997 – ch 1998 –			arch 2006 ctober 2006			May 2014 November 20	14				
		ber 1998 –		Ma	arch 2007			April 2015					
March 1999					ctober 2007								
		ber 1999 – ch 2000 –			arch 2008 eptember 2008								
		ber 2000 –		Ap	oril 2009								
			lot Surveyed		ptember 2009 pril 2010								
		ber 2001 – ch 2002 –			tober 2010								
		ber 2002 –		-	oril 2011								
		ch 2003 –			ptember 2011 arch 2012								
		ber 2003 – ch 2004 –			ptember 2012		1997 Admi	iralty Tides					
		ber 2004 –		Ap	oril 2013		interpolat Easing	ted for gton					
	Mar	ch 2005 –			ctober 2013 ecember 2013		MHWS +	•					
	Octo	ober 2005 –		20									
							MLWN -						
							WLWS	2.60m					
0	0	0	0	0	0								
210	550	530	240 2	550	260								
Results													
				Pro	file Start.	Profile End.	Drav	vn.	Checked.	Scale @ A			
				E 54	0711.246	E 541910.361	N.	<i>1</i>   ^		Horiz.	1:500		
				N 41	8604.442	N 419157.760	IV	1.J.A	N.M.	Vert.	1:250		
				I		1	Job	No.	1	Date.			
oad, E	Easing	aton.						ERYC	-P114	12.11	.2015		
, –											-		