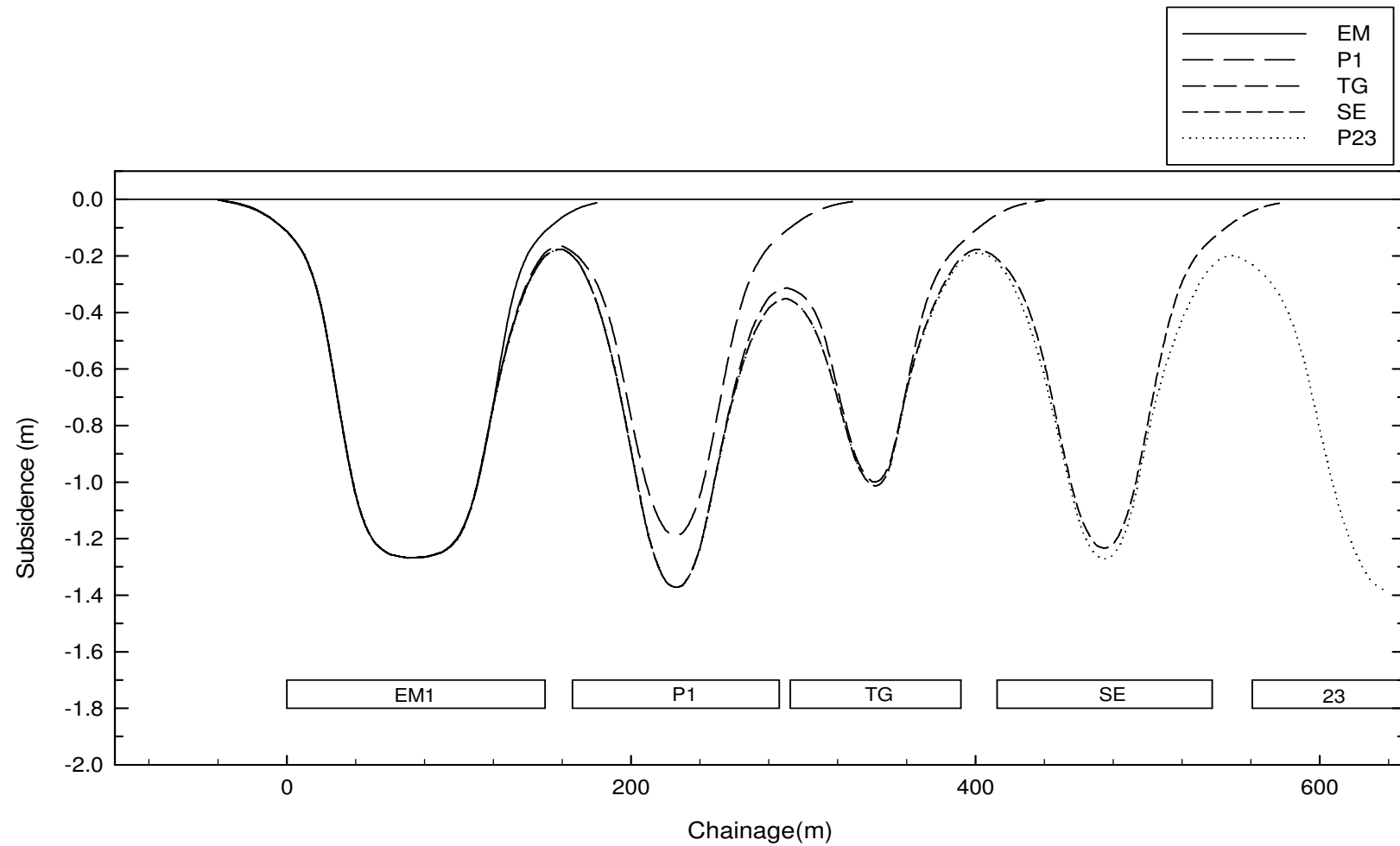




Engineer: S.Ditton

Drawn: S.Ditton

Date: 1.11.10

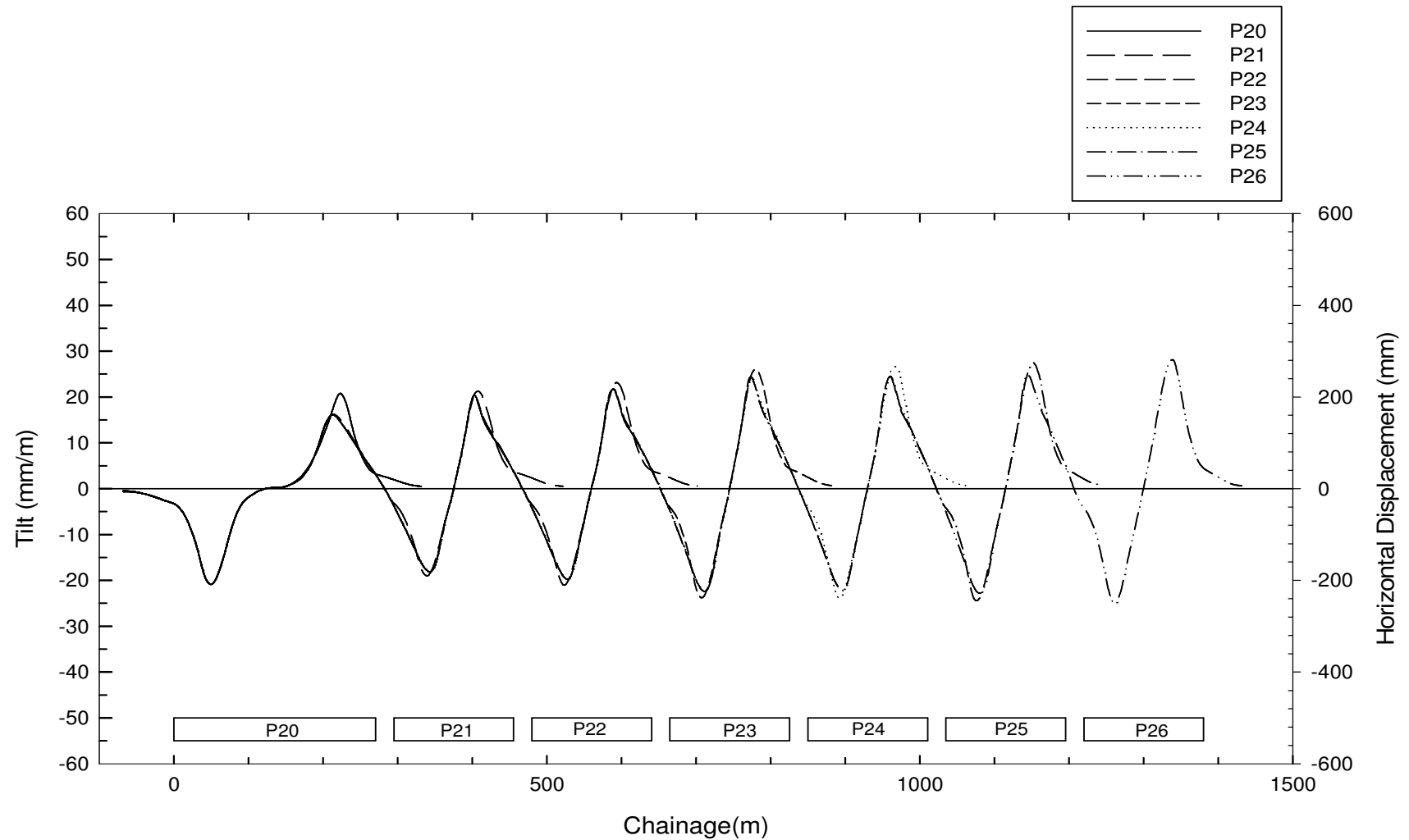
Ditton Geotechnical
Services Pty Ltd

Client: Donaldson Coal Pty Limited
ABL-002/1

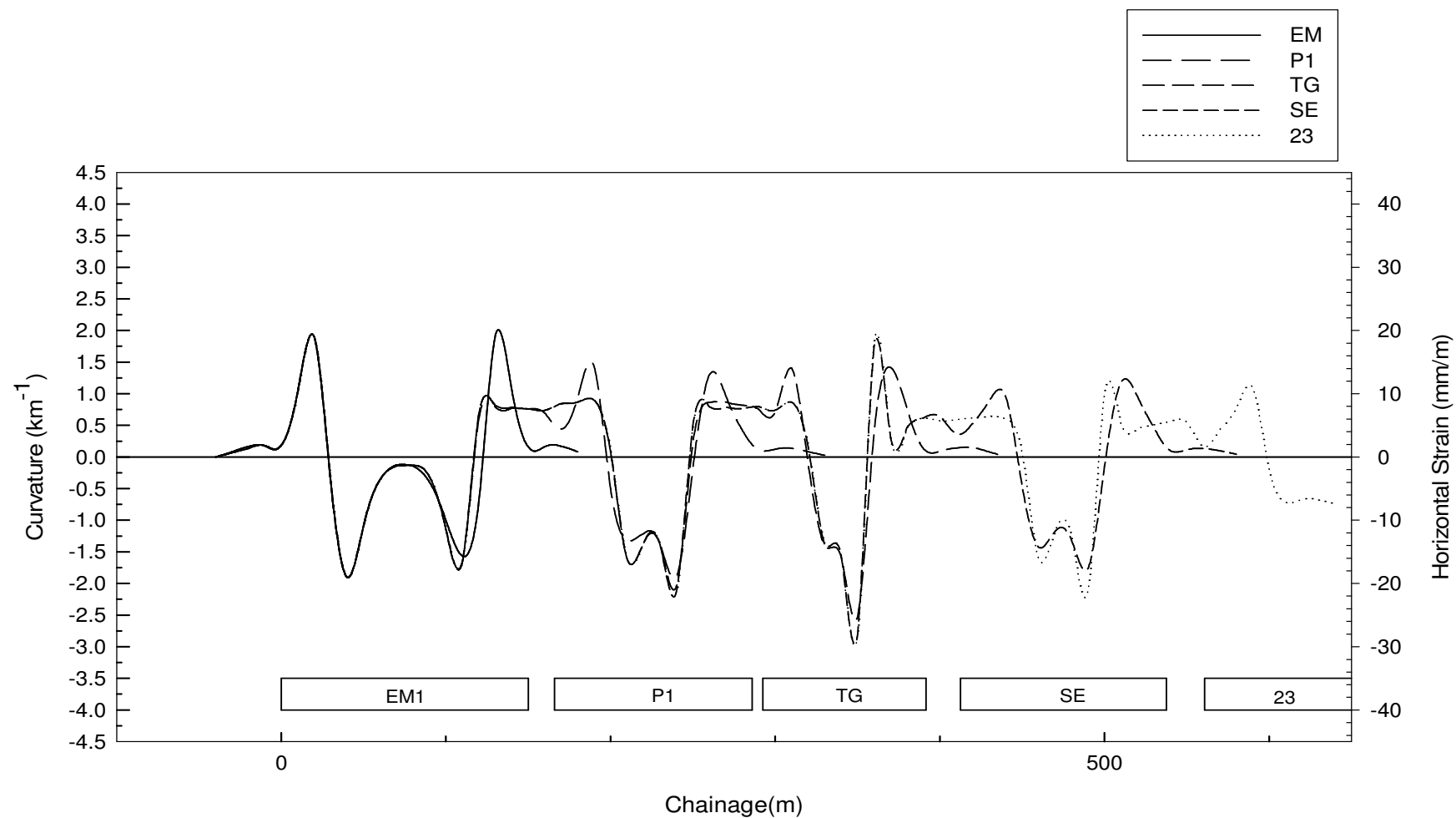
Title: Predicted Credible Worst-Case Subsidence Profiles along XL5b
(see Figure 1 for location)

Scale: NTS

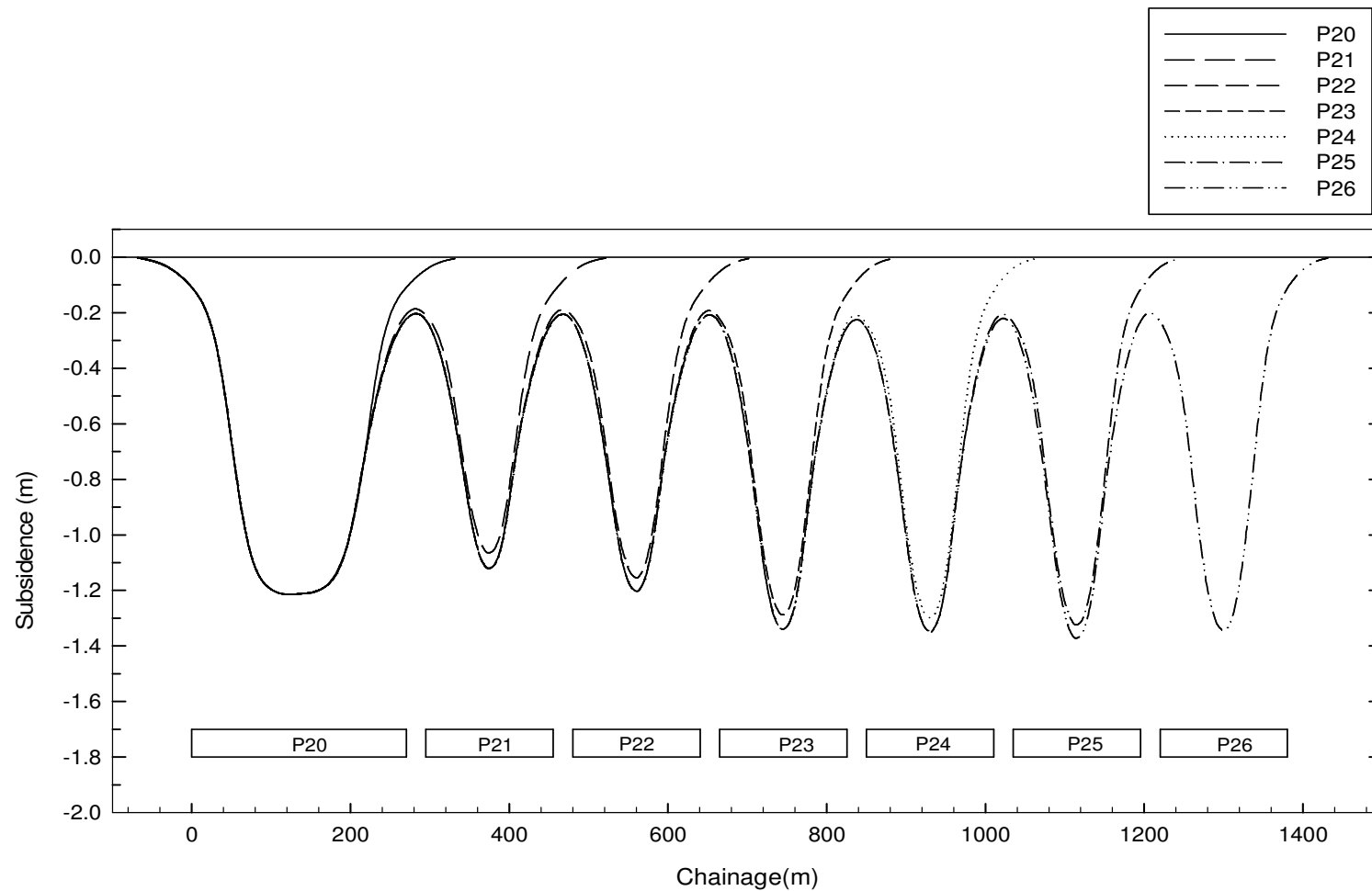
Figure No: 11a



	Engineer:	S.Ditton	Client:	Donaldson Coal Pty Limited			
	Drawn:	S.Ditton		ABL-002/1			
	Date:	1.11.10	Title:	Predicted Credible Worst-Case Tilt and Horizontal Displacement Profiles along XL5b			
	Ditton Geotechnical			(see Figure 1 for location)			
	Services Pty Ltd		Scale:	NTS		Figure No:	11b



Engineer:	S.Ditton	Client:	Donaldson Coal Pty Limited	
Drawn:	S.Ditton		ABL-002/1	
Date:	1.11.10	Title:	Predicted Credible Worst-Case Curvature and Horizontal Strain Profiles along XL5b (see Figure 1 for location)	
Ditton Geotechnical Services Pty Ltd		Scale:	NTS	Figure No: 11c



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 1.11.10

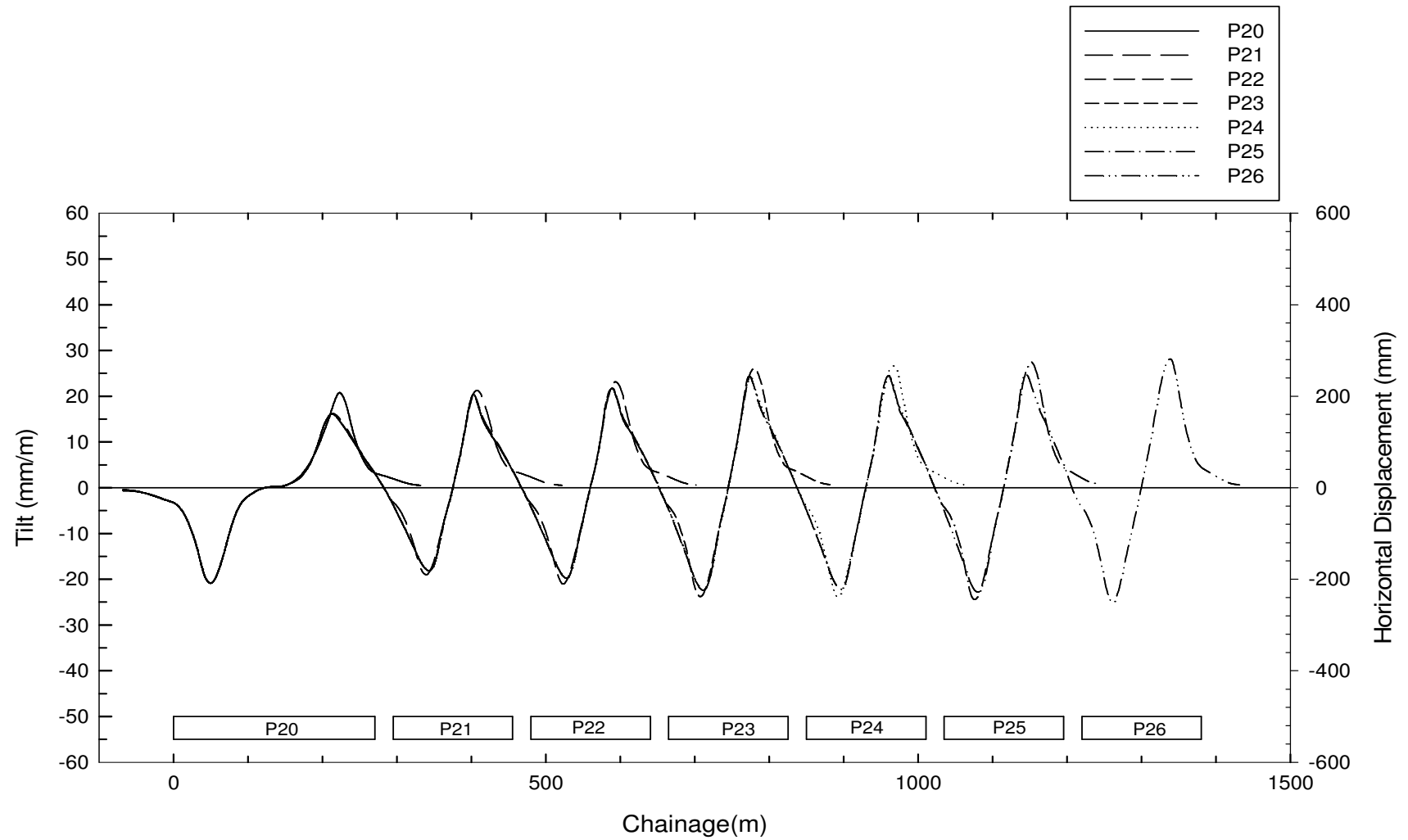
Ditton Geotechnical
Services Pty Ltd

Client: Donaldson Coal Pty Limited
ABL-002/1

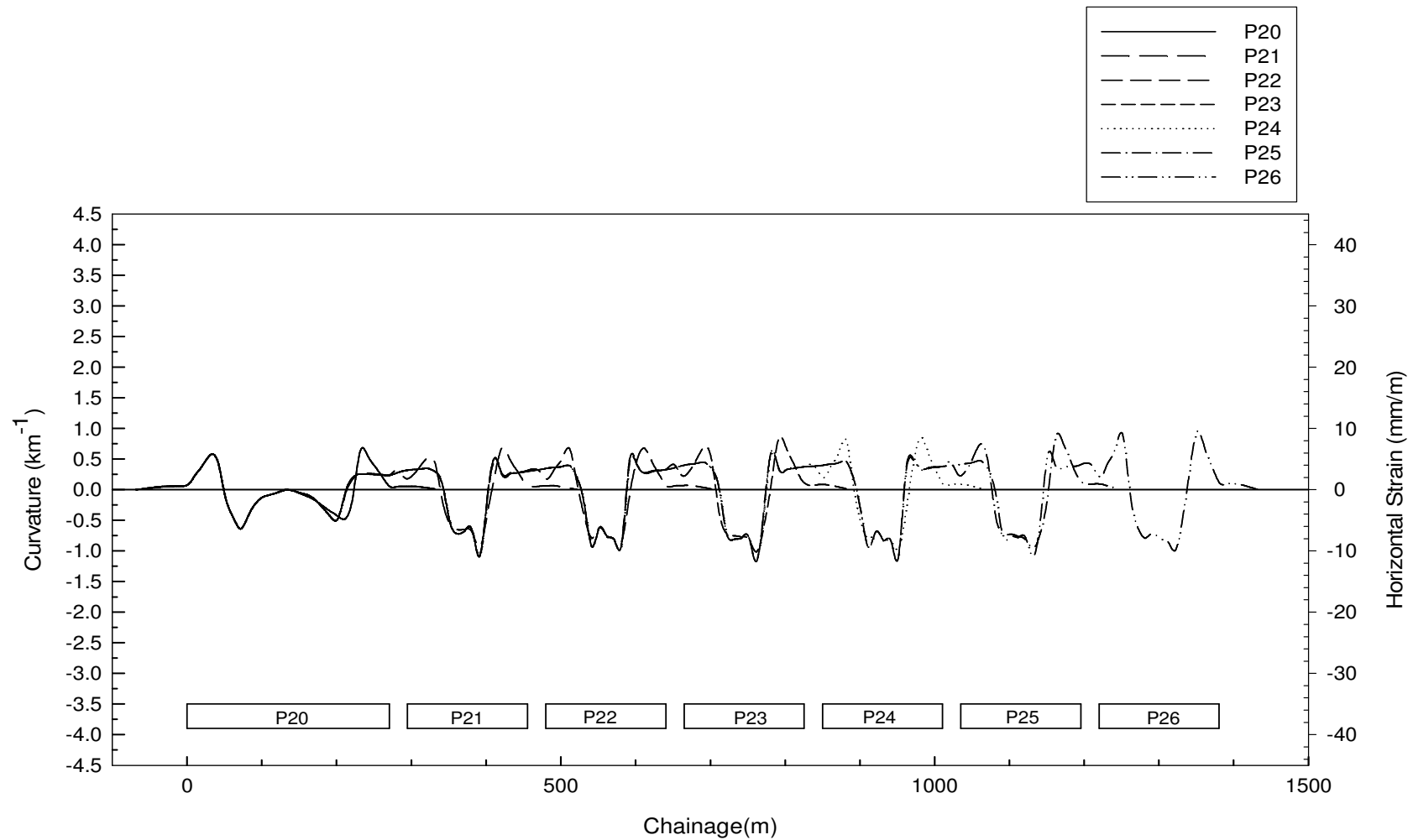
Title: Predicted Credible Worst-Case Subsidence Profiles along XL7
(see Figure 1 for location)

Scale: NTS

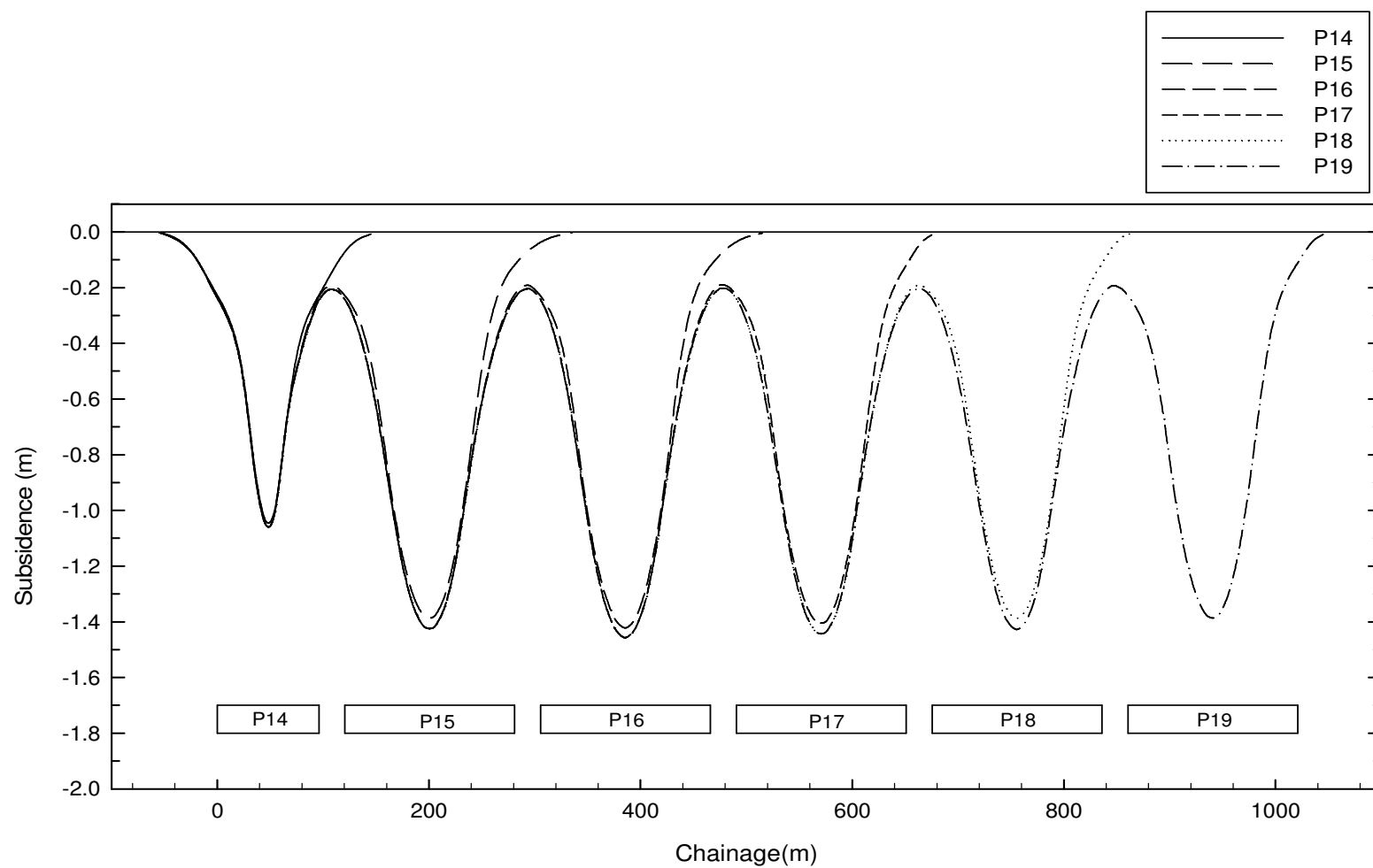
Figure No: 12a



	Engineer:	S.Ditton	Client:	Donaldson Coal Pty Limited			
	Drawn:	S.Ditton		ABL-002/1			
	Date:	1.11.10	Title:	Predicted Credible Worst-Case Tilt and Horizontal Displacement Profiles along XL7			
	Ditton Geotechnical			(see Figure 1 for location)			
	Services Pty Ltd		Scale:	NTS		Figure No:	12b



Engineer:	S.Ditton	Client:	Donaldson Coal Pty Limited	
Drawn:	S.Ditton		ABL-002/1	
Date:	1.11.10	Title:	Predicted Credible Worst-Case Curvature and Horizontal Strain Profiles along XL7	
Ditton Geotechnical Services Pty Ltd		(see Figure 1 for location)		
		Scale:	NTS	Figure No: 12c



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 1.11.10

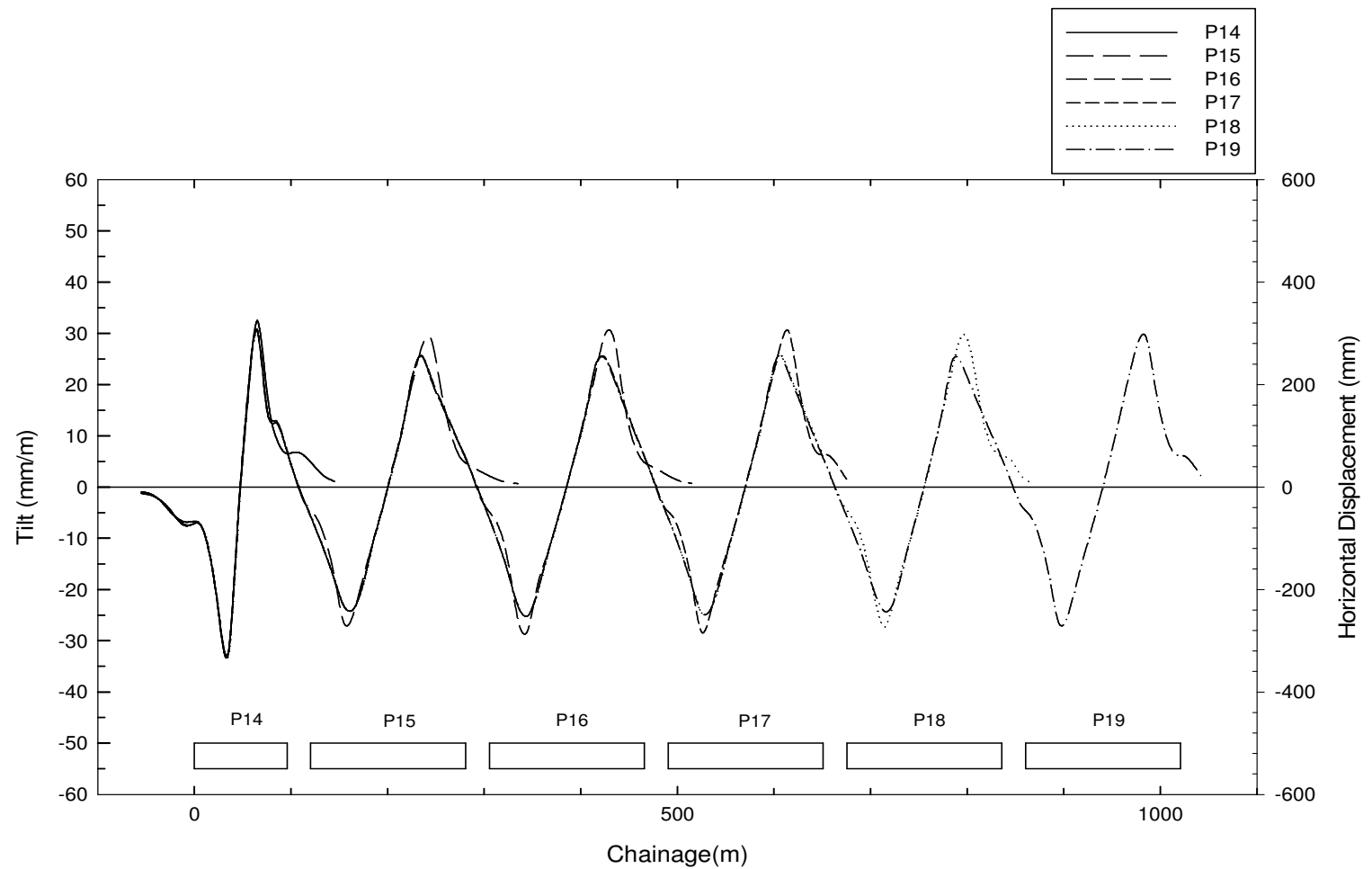
Ditton Geotechnical
Services Pty Ltd

Client: Donaldson Coal Pty Limited
ABL-002/1

Title: Predicted Credible Worst-Case Subsidence Profiles along XL9
(see Figure 1 for location)

Scale: NTS

Figure No: 13a



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 1.11.10

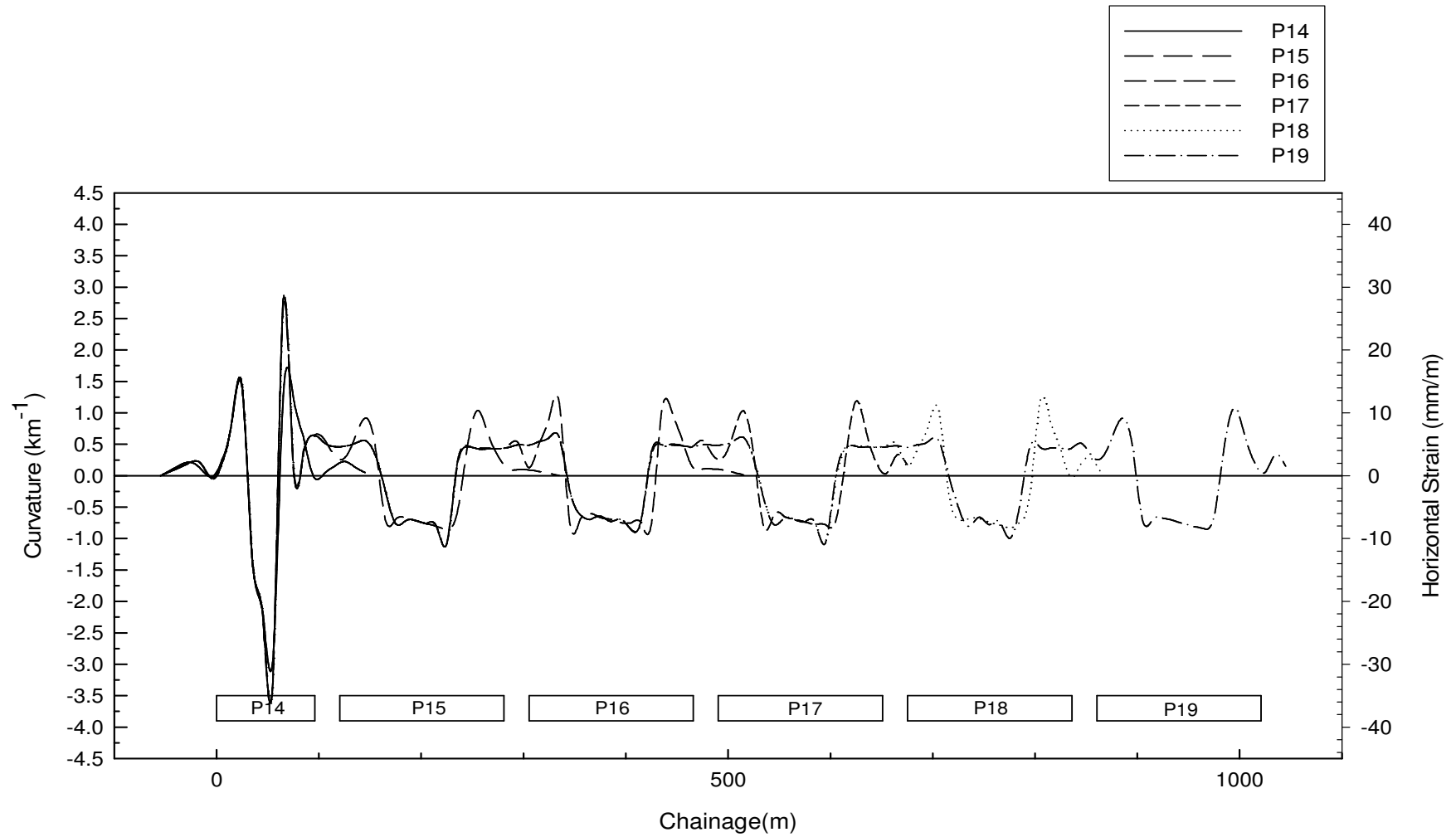
Ditton Geotechnical
Services Pty Ltd

Client: Donaldson Coal Pty Limited
ABL-002/1

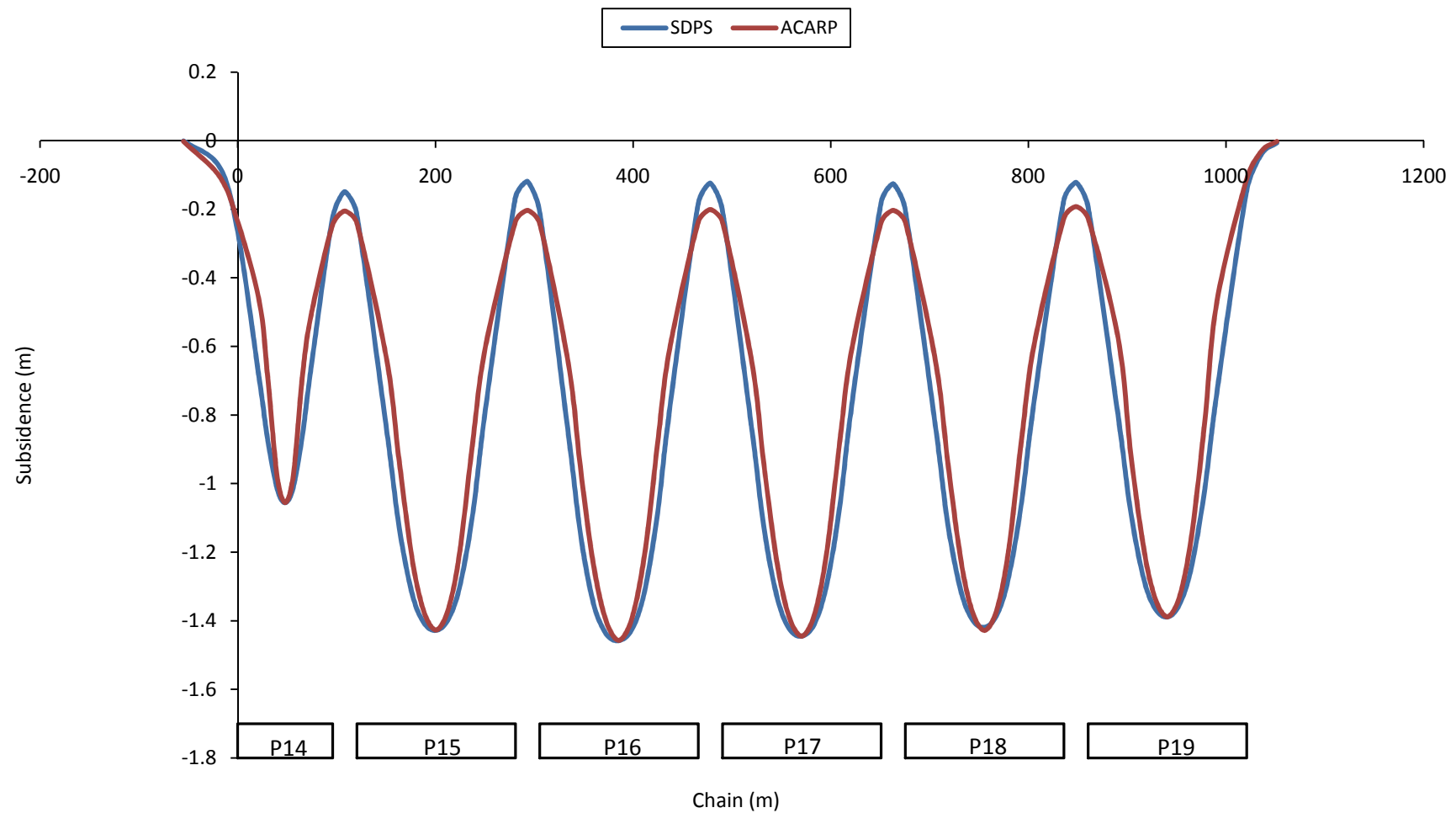
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(see Figure 1 for location)

Scale: NTS

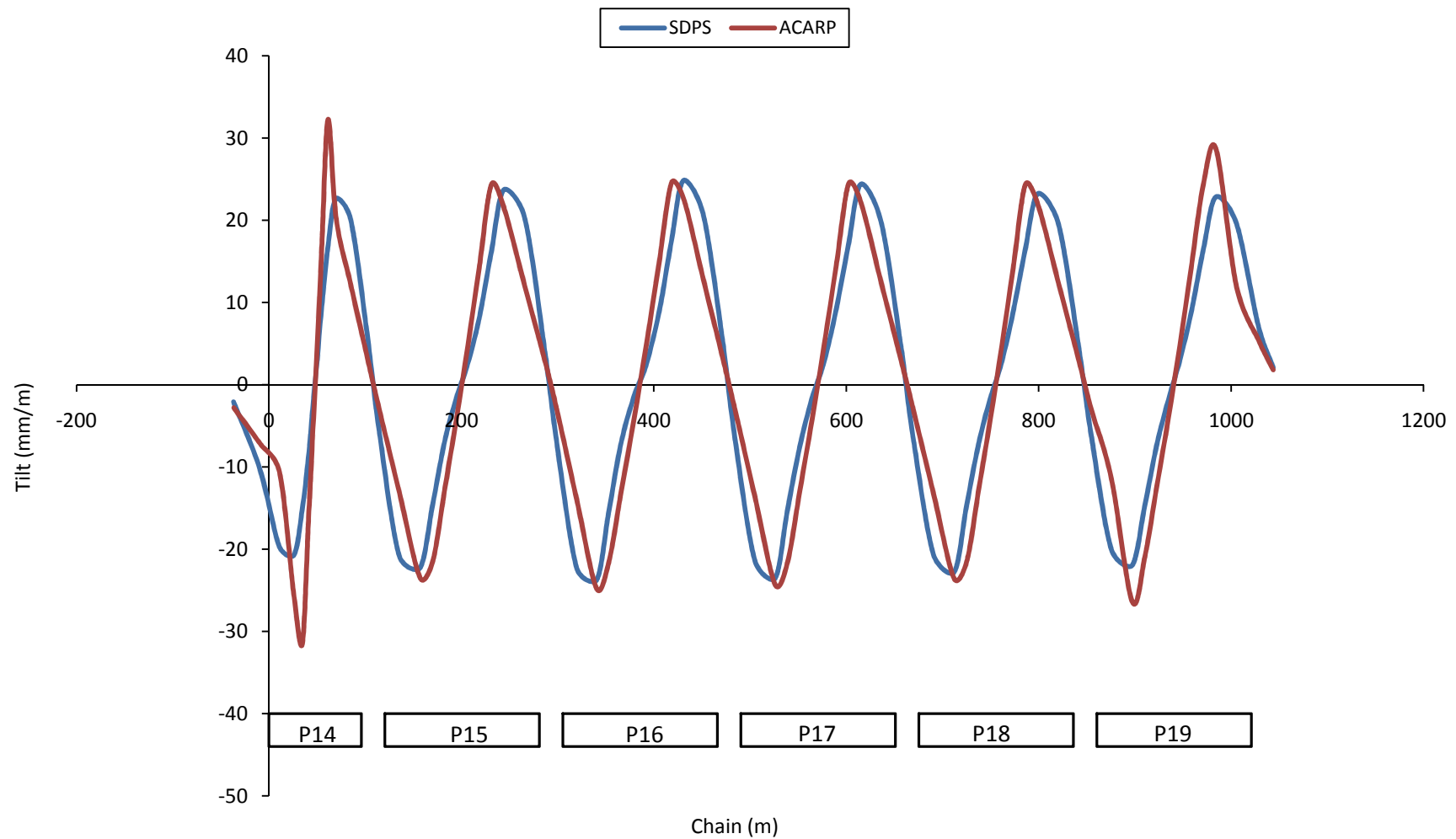
Figure No: 13b



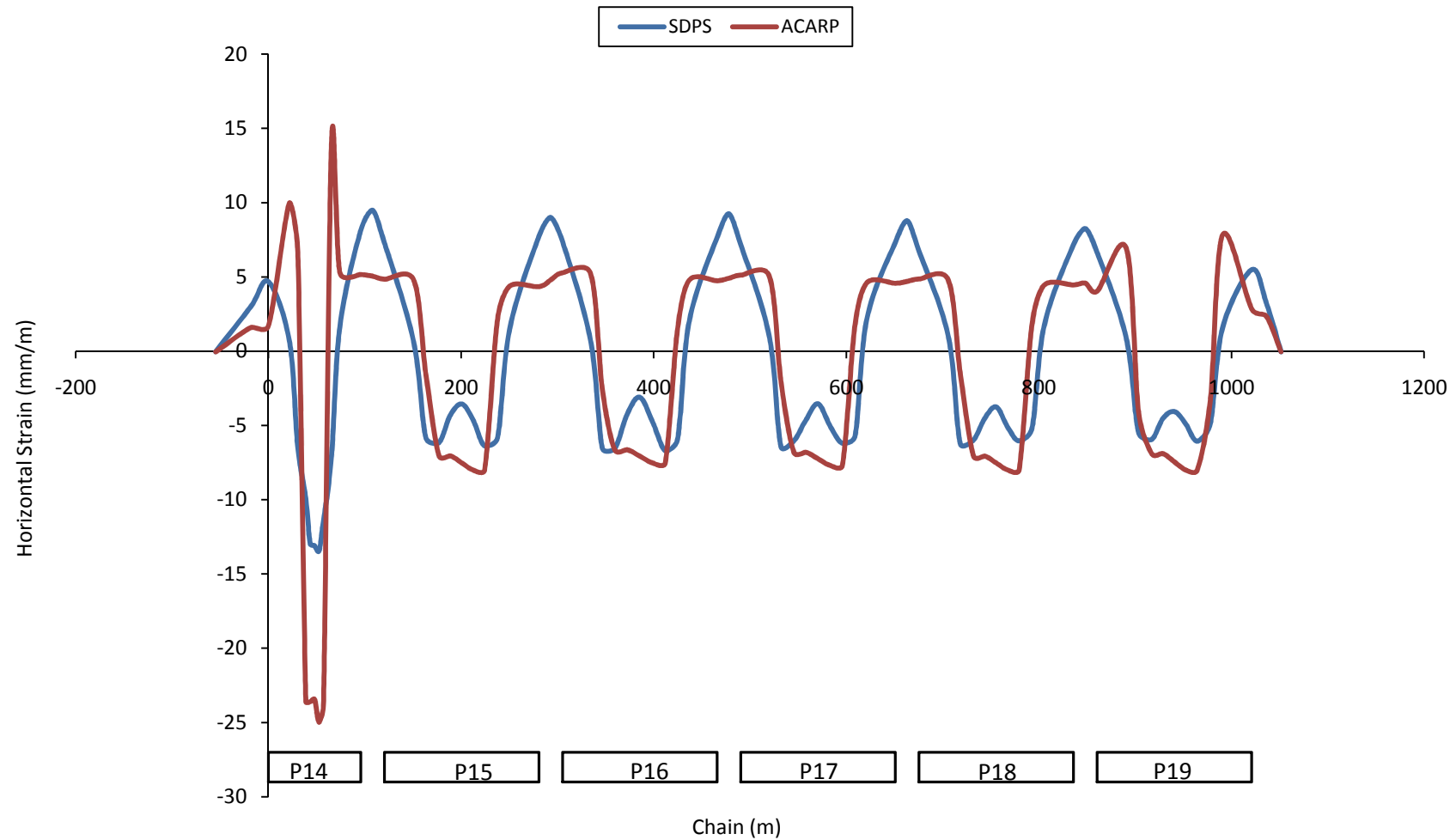
	Engineer:	S.Ditton	Client:	Donaldson Coal Pty Limited			
	Drawn:	S.Ditton		ABL-002/1			
	Date:	1.11.10	Title:	Predicted Credible Worst-Case Curvature and Horizontal Strain Profiles along XL9			
	Ditton Geotechnical			(see Figure 1 for location)			
	Services Pty Ltd		Scale:	NTS		Figure No:	13c



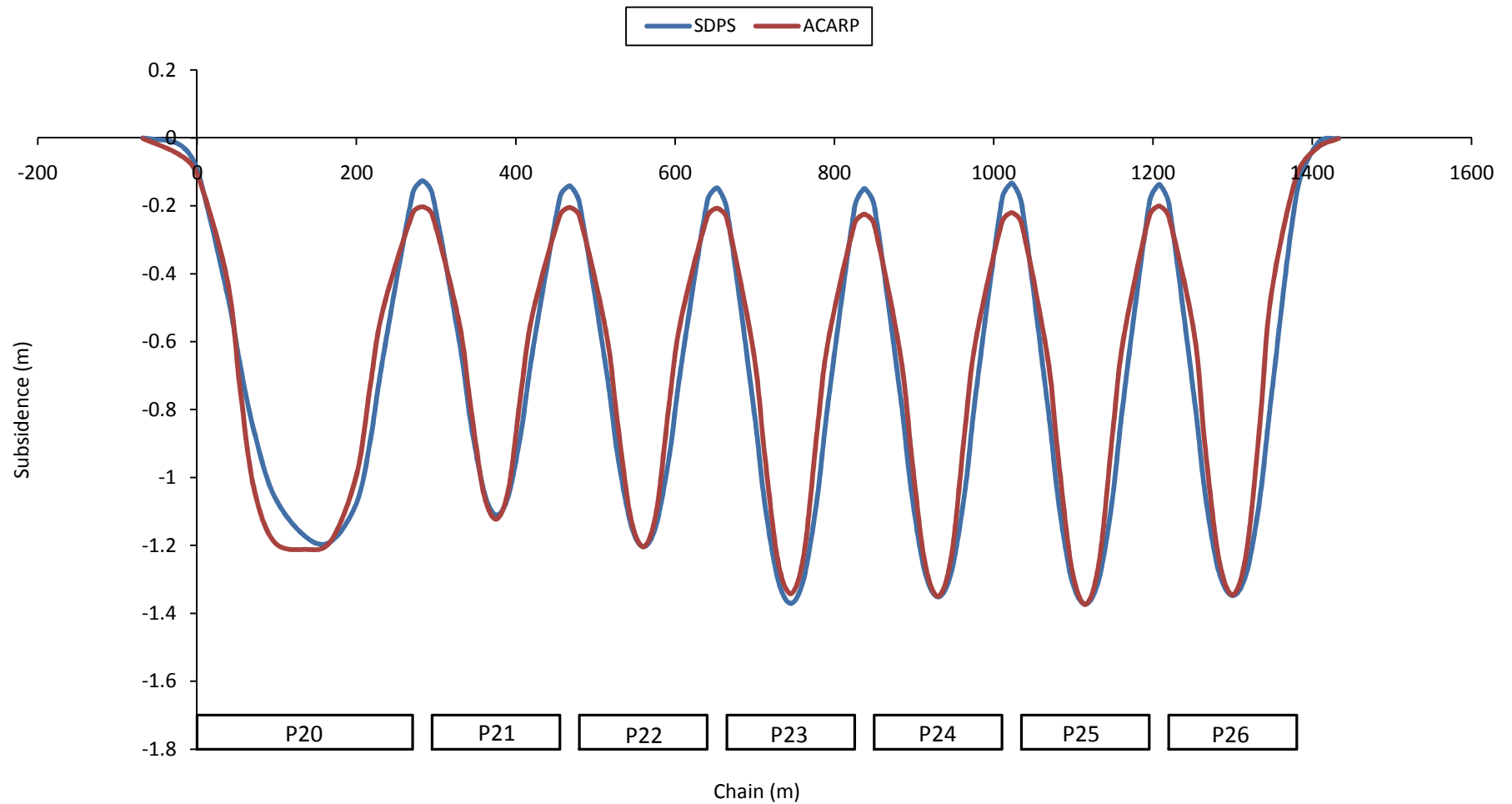
	Engineer:	S.Ditton	Client:	Donaldson Coal Pty Limited			
	Drawn:	S.Ditton		ABL-002/1			
	Date:	1.11.10	Title:	Predicted ACARP,2003 v. SDPS Subsidence Profiles along XL9			
	Ditton Geotechnical			(see Figure 1 for location)			
	Services Pty Ltd		Scale:	NTS		Figure No:	14a



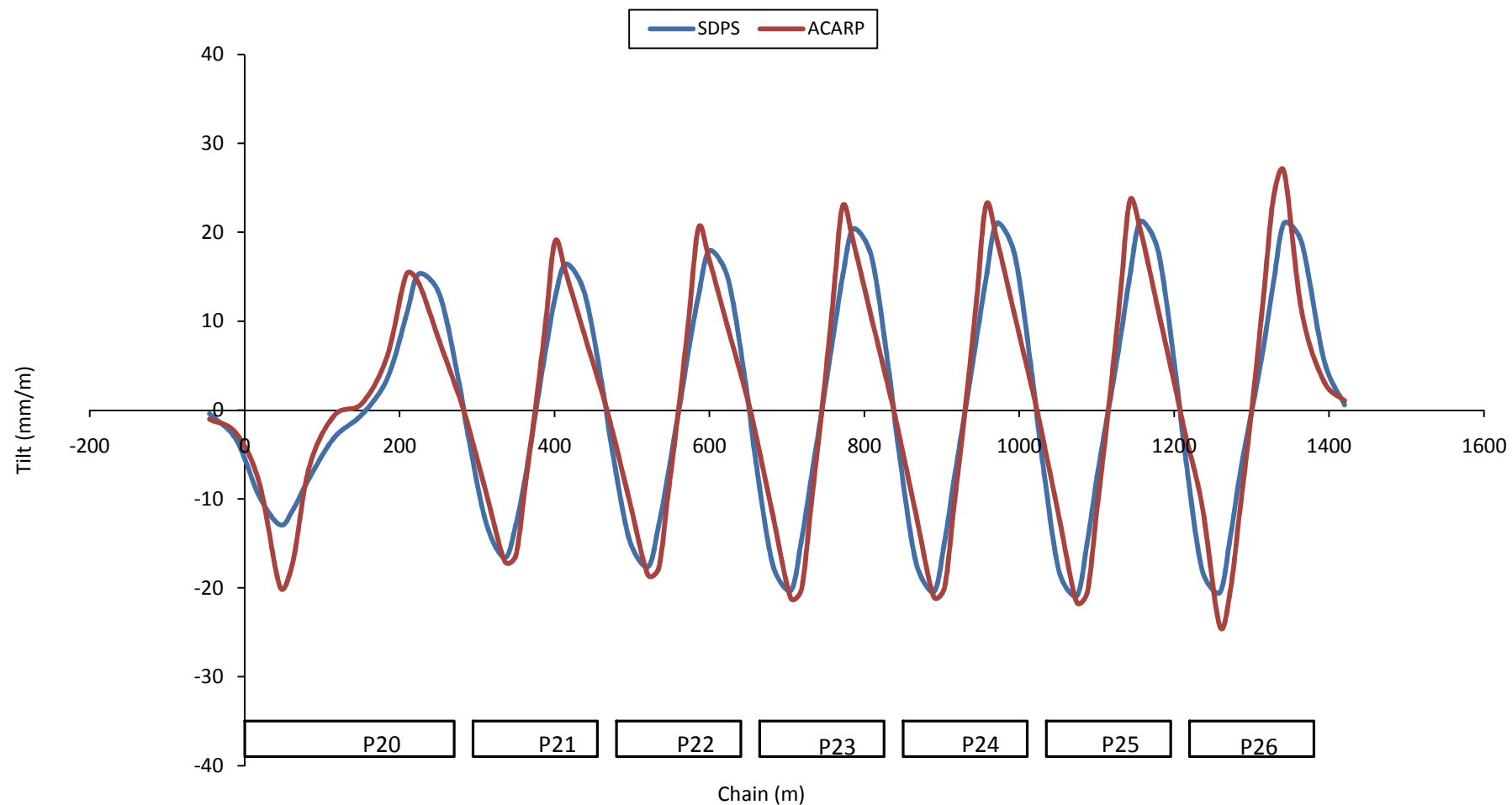
	Engineer:	S.Ditton	Client:	Donaldson Coal Pty Limited			
	Drawn:	S.Ditton		ABL-002/1			
	Date:	1.11.10	Title:	Predicted ACARP,2003 v.SDPS Tilt and Horizontal Displacement Profiles along XL9			
	Ditton Geotechnical			(see Figure 1 for location)			
	Services Pty Ltd		Scale:	NTS		Figure No:	14b



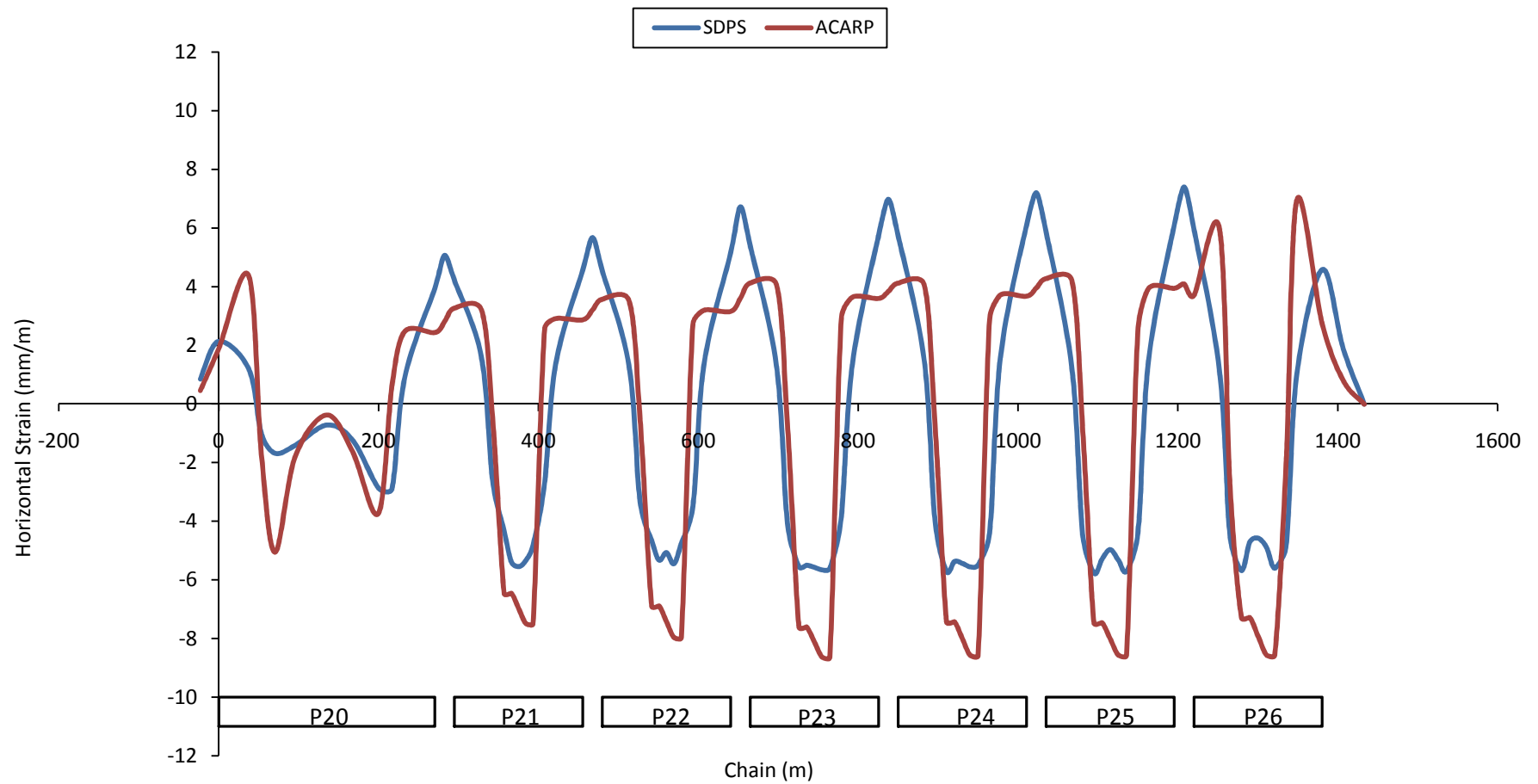
	Engineer:	S.Ditton	Client:	Donaldson Coal Pty Limited			
	Drawn:	S.Ditton		ABL-002/1			
	Date:	1.11.10	Title:	Predicted ACARP,2003 v. SDPS Curvature and Horizontal Strain Profiles along XL9			
	Ditton Geotechnical			(see Figure 1 for location)			
	Services Pty Ltd		Scale:	NTS		Figure No:	14c



	Engineer:	S.Ditton	Client:	Donaldson Coal Pty Limited			
	Drawn:	S.Ditton		ABL-002/1			
	Date:	1.11.10	Title:	Predicted ACARP,2003 v. SDPS Subsidence Profiles along XL7			
	Ditton Geotechnical			(see Figure 1 for location)			
	Services Pty Ltd		Scale:	NTS		Figure No:	15a



	Engineer:	S.Ditton	Client:	Donaldson Coal Pty Limited		
	Drawn:	S.Ditton		ABL-002/1		
	Date:	1.11.10	Title:	Predicted ACARP,2003 v.SDPS Tilt and Horizontal Displacement Profiles along XL7		
	Ditton Geotechnical			(see Figure 1 for location)		
	Services Pty Ltd		Scale:	NTS		Figure No:



DgS



Engineer: S.Ditton

Drawn: S.Ditton

Date: 1.11.10

Ditton Geotechnical
Services Pty Ltd

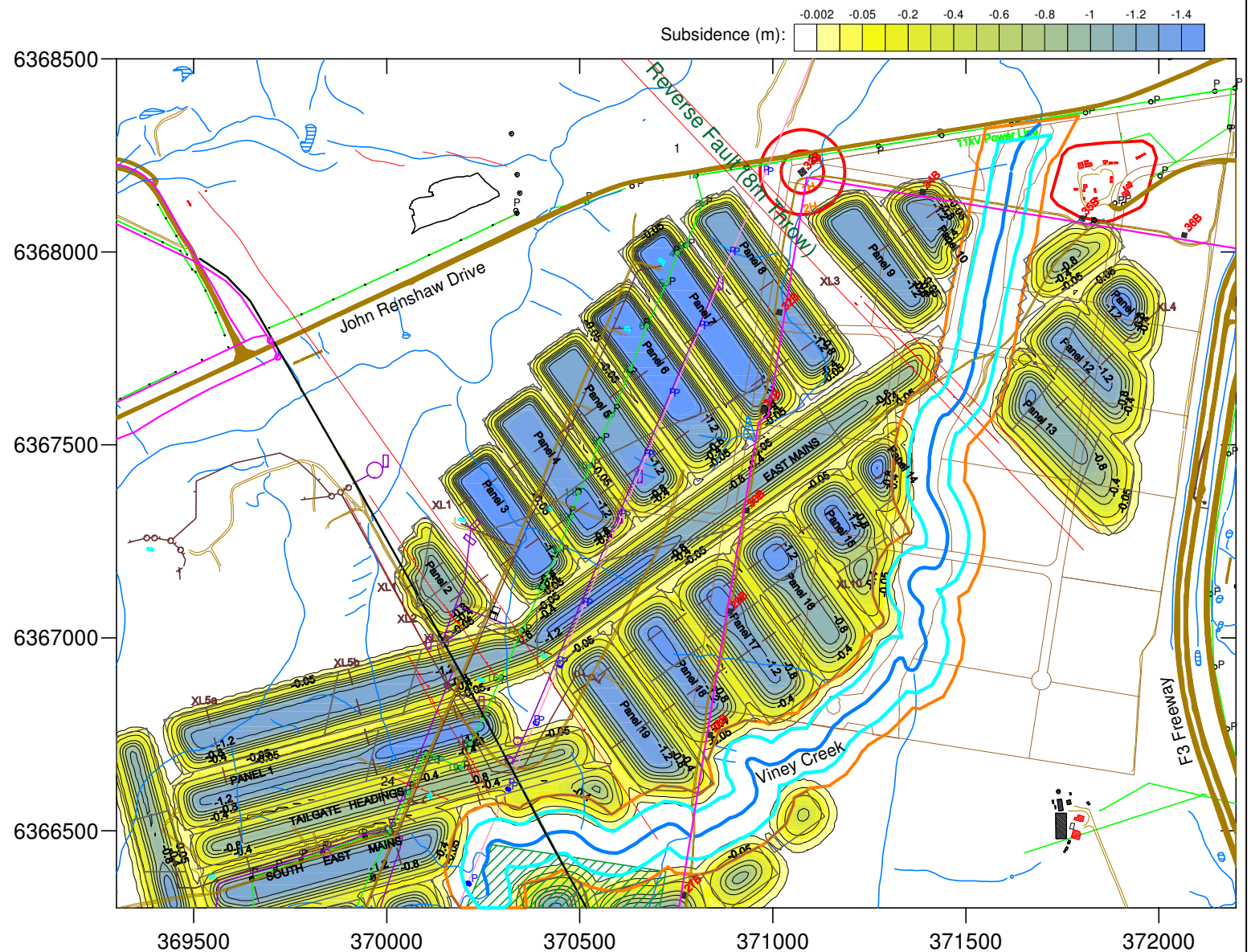
Client: Donaldson Coal Pty Limited
ABL-002/1

Title: Predicted ACARP,2003 v. SDPS Curvature and Horizontal Strain Profiles along XL7
(see Figure 1 for location)

Scale: NTS

Figure No: 15c

- Key**
-  Schedule 2 Creek and Buffer Zone (DECCW)
 -  Transmission Towers (Transgrid, 330 kV)
 -  Optic Fibre Cable (Optus)
 -  Sealed Road (Cessnock/ Newcastle City Councils)
 -  Water Supply Pipeline (Hunter Water)
 -  Principle Residences
 -  Non-Principle Structures
 -  Disused Buildings
 -  132 kV Power Line and Poles (Energy Australia)
 -  11 kV Domestic Powerline and Poles (Energy Australia)
 -  Proposed Blackhill Land Pty Ltd Lot Layout (Preliminary)
 -  Second Workings
 -  Predicted Subsidence Contours (m)
 -  Telstra Copper Cabling (buried)
 -  Schedule 1 creeks/ gullies
 -  Subsidence Control Zones
 -  Stock Watering System
 -  Catholic Land - Proposed Development Area
 -  100 Year ARI Flood Extent
 -  Geological Structure
 -  Site 1
 -  Subsidence Prediction Lines



	Engineer:	S.Ditton	Client:	Donaldson Coal Pty Limited ABL-002/1			
	Drawn:	S.Ditton					
	Date:	23.03.11	Title:	Predicted Final Worst-Case Subsidence Contours above the Proposed Abel Mine's Area 1 and 2 SMP Layouts (Northern Area)			
	Ditton Geotechnical Services Pty Ltd						
			Scale:	1:20,000		Figure No:	16b

