

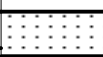
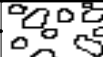
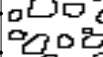
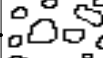
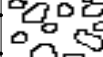
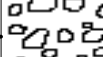
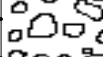

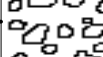
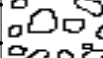

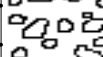
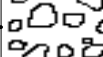
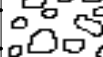
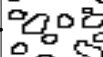

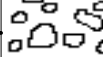
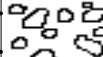
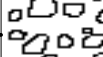
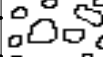
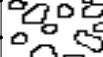
Appendix D:2006 Bore Hole Logs

Drill Hole Number: 2006 BH 8086-1

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 33.5m
 Hole Dia: 110mm



Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				
Silty Sand - Grey brown	0				GR 6397788.650, 370854.181 RL 90m
Latite - Grey	1				
	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				

Drill Hole Number: 2006 BH 8086-1

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 33.5m
 Hole Dia: 110mm

Description	Depth	Graphic Log	Sample	Strength	Remarks
	21 22 23 24 25 26 27 28 29 30				
Sandstone / Shale -Grey Fine to medium grained.	31 32 33 34 35 36 37 38 39 40				

Drill Hole Number: 2006 BH 8086-1

Project: Martins Creek

Job Number: 1217

Hole Depth: 33.5m

Drilling Co: Intertech

Logged By: Rail Corp

Hole Dia: 110mm

Date: 2006


Description	Depth	Graphic Log	Sample	Strength	Remarks
	41				
	42				
	43				
	44				
	45				
	46				
	47				
	48				
	49				
	50				
	51				
	52				
	53				
	54				
	55				
	56				
	57				
	58				
	59				
	60				

Drill Hole Number: 2006 BH 8086-2

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 33.77m
 Hole Dia: 110mm

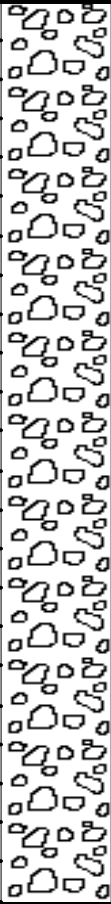


Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				
Silty Sand - Brown grey Trace clay, some gravels.	0				GR 6398000.558, 370636.245
Latite - Grey	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				RL 124m

Drill Hole Number: 2006 BH 8086-2

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 33.77m
 Hole Dia: 110mm

Description	Depth	Graphic Log	Sample	Strength	Remarks
	21 22 23 24 25 26 27 28 29 30 31				
Silty Clay - Brown/red - brown/grey	32				
Sandstone - Red-brown	33 34 35 36 37 38 39 40				

Drill Hole Number: 2006 BH 8086-2

Project: Martins Creek

Job Number: 1217

Hole Depth: 33.77m

Drilling Co: Intertech

Logged By: Rail Corp

Hole Dia: 110mm

Date: 2006


Description	Depth	Graphic Log	Sample	Strength	Remarks
	41				
	42				
	43				
	44				
	45				
	46				
	47				
	48				
	49				
	50				
	51				
	52				
	53				
	54				
	55				
	56				
	57				
	58				
	59				
	60				

Drill Hole Number: 2006 BH 8086-3

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 40m
 Hole Dia: 110mm


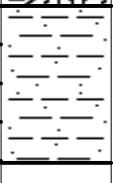
Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				
Latite - Grey	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20				GR 6398448.194, 370204.574 RL 88m

Drill Hole Number: 2006 BH 8086-3

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 40m
 Hole Dia: 110mm

Description	Depth	Graphic Log	Sample	Strength	Remarks
	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37				
Shale/Sandstone - Dark grey/brown	38 39 40				

Drill Hole Number: 2006 BH 8086-3

Project: Martins Creek

Job Number: 1217

Hole Depth: 40m

Drilling Co: Intertech

Logged By: Rail Corp

Hole Dia: 110mm

Date: 2006

Description	Depth	Graphic Log	Sample	Strength	Remarks
	41				
	42				
	43				
	44				
	45				
	46				
	47				
	48				
	49				
	50				
	51				
	52				
	53				
	54				
	55				
	56				
	57				
	58				
	59				
	60				

Drill Hole Number: 2006 BH 8086-4

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 44.93m
 Hole Dia: 110mm


Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				GR 6398270.972, 370030.885 49.5m
Silty Clay - Light grey Trace sand.	1				
Latite - Grey/brown	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				

Drill Hole Number: 2006 BH 8086-4

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 44.93m
 Hole Dia: 110mm



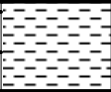


Description	Depth	Graphic Log	Sample	Strength	Remarks
Latite - Grey/brown	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40				

Drill Hole Number: 2006 BH 8086-4

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 44.93m
 Hole Dia: 110mm

Description	Depth	Graphic Log	Sample	Strength	Remarks
					
Silty Clay - Grey	41				
Sandstone - Brown Fine to medium grained.	42				
Shale - Dark grey	43				
Sandstone - Brown Fine to medium grained.	44				
Shale - Dark grey	45				
	46				
	47				
	48				
	49				
	50				
	51				
	52				
	53				
	54				
	55				
	56				
	57				
	58				
	59				
	60				

Drill Hole Number: 2006 BH 8086-5

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 39.10m
 Hole Dia: 110mm


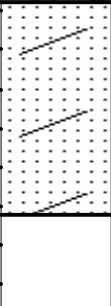
Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				GR 6398202.695, 370452.250 RL 60.600m
Soil	1				
Latite - Brown/grey/reddish-brown	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
20					

Drill Hole Number: 2006 BH 8086-5

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 39.10m
 Hole Dia: 110mm

Description	Depth	Graphic Log	Sample	Strength	Remarks
	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36				
Sandstone/Siltstone - Grey-brown Fine to medium grained, medium to coarse grained	37 38 39 40				

Drill Hole Number: 2006 BH 8086-5

Project: Martins Creek
Drilling Co: Intertech
Date: 2006

Job Number: 1217
Logged By: Rail Corp

Hole Depth: 39.10m
Hole Dia: 110mm


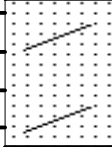
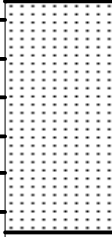
Description	Depth	Graphic Log	Sample	Strength	Remarks
	41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60				

Drill Hole Number: 2006 BH 8086-6

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 18.25m
 Hole Dia: 110mm

Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				GR 6397663.987, 370947.323 RL 103m
No Recovery	1				
	2				
	3				
	4				
	5				
	6				
	7				
Latite - Brown/grey-brown	8				
	9				
	10				
	11				
	12				
	13				
Shale/Sandstone/Siltstone - Grey/brown Fine to medium grained.	14				
	15				
Sandstone - Brown Fine to medium grained.	16				
	17				
	18				
	19				
	20				

Drill Hole Number: 2006 BH 8086-6

Project: Martins Creek

Job Number: 1217

Hole Depth: 18.25m

Drilling Co: Intertech

Logged By: Rail Corp

Hole Dia: 110mm

Date: 2006

Description	Depth	Graphic Log	Sample	Strength	Remarks
	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	31				
	32				
	33				
	34				
	35				
	36				
	37				
	38				
	39				
	40				

Drill Hole Number: 2006 BH 8086-6

Project: Martins Creek

Job Number: 1217

Hole Depth: 18.25m

Drilling Co: Intertech

Logged By: Rail Corp

Hole Dia: 110mm

Date: 2006

Description	Depth	Graphic Log	Sample	Strength	Remarks
	41				
	42				
	43				
	44				
	45				
	46				
	47				
	48				
	49				
	50				
	51				
	52				
	53				
	54				
	55				
	56				
	57				
	58				
	59				
	60				

Drill Hole Number: 2006 BH 8086-7

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 18.19m
 Hole Dia: 110mm

Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				GR, 6397722.605, 371018.685 RL 122m
Coreloss	1				
	2				
Siltstone/Sandstone - Brown/grey Medium to coarse grained, fine grained.	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				

Drill Hole Number: 2006 BH 8086-8

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 54.25m
 Hole Dia: 110mm


Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				GR 6397654.294, 370736.745 RL 78m
Soil	1				
Latite - Grey/Reddish-brown	2				
	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
20					

Drill Hole Number: 2006 BH 8086-8

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 54.25m
 Hole Dia: 110mm


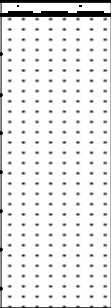
Description	Depth	Graphic Log	Sample	Strength	Remarks
Latite - Grey/Reddish-brown	21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40				

Drill Hole Number: 2006 BH 8086-8

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 54.25m
 Hole Dia: 110mm


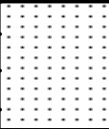


Description	Depth	Graphic Log	Sample	Strength	Remarks
	41 42 43 44 45 46 47 48 49 50				
<p>Shale - Dark grey</p> <hr/> <p>Sandstone - Grey/Brown Fine to medium grained, medium to coarse grained.</p>	51 52 53 54				
	55 56 57 58 59 60				

Drill Hole Number: 2006 BH 8086-9

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 7.065m
 Hole Dia: 110mm

Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				
Silty Sand - Brown	0 1 2 3 4				GR 6397877.234, 370833.382 RL 95m
Sandstone - Brown Fine to medium grained	5 6				
Siltstone - Brown	6.5				
Sandstone - Brown Fine to medium grained.	7 8 9 10 11 12 13 14 15 16 17 18 19 20				

Drill Hole Number: 2006 BH 8086-9

Project: Martins Creek

Job Number: 1217

Hole Depth: 7.065m

Drilling Co: Intertech

Logged By: Rail Corp

Hole Dia: 110mm

Date: 2006

Description	Depth	Graphic Log	Sample	Strength	Remarks
	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	31				
	32				
	33				
	34				
	35				
	36				
	37				
	38				
	39				
	40				

Drill Hole Number: 2006 BH 8086-9

Project: Martins Creek

Job Number: 1217

Hole Depth: 7.065m

Drilling Co: Intertech

Logged By: Rail Corp

Hole Dia: 110mm

Date: 2006

Description	Depth	Graphic Log	Sample	Strength	Remarks
	41				
	42				
	43				
	44				
	45				
	46				
	47				
	48				
	49				
	50				
	51				
	52				
	53				
	54				
	55				
	56				
	57				
	58				
	59				
	60				

Drill Hole Number: 2006 BH 8086-10

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 10.5m
 Hole Dia: 110mm

Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				
Silty Sand - Brown	0 - 1.5				GR 6397866.988, 370772.757 107m
Latite - Grey	1.5 - 2.0				
Silty Sand - Brown	2.0 - 2.5				
Latite - Grey	2.5 - 3.0				
Silty Sand - Brown	3.0 - 3.5				
Latite - Grey-brown	3.5 - 4.0				
Silty Sand - Brown	4.0 - 6.0				
Latite - Grey	6.0 - 6.5				
Sandstone /Silty Sand - Brown	6.5 - 10.5				
	11				
	12				
	13				
	14				
	15				
	16				
	17				
	18				
	19				
	20				

Drill Hole Number: 2006 BH 8086-10

Project: Martins Creek

Job Number: 1217

Hole Depth: 10.5m

Drilling Co: Intertech

Logged By: Rail Corp

Hole Dia: 110mm

Date: 2006

Description	Depth	Graphic Log	Sample	Strength	Remarks
	21				
	22				
	23				
	24				
	25				
	26				
	27				
	28				
	29				
	30				
	31				
	32				
	33				
	34				
	35				
	36				
	37				
	38				
	39				
	40				

Drill Hole Number: 2006 BH 8086-10

Project: Martins Creek
Drilling Co: Intertech
Date: 2006

Job Number: 1217
Logged By: Rail Corp

Hole Depth: 10.5m
Hole Dia: 110mm


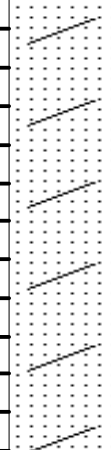
Description	Depth	Graphic Log	Sample	Strength	Remarks
	41				
	42				
	43				
	44				
	45				
	46				
	47				
	48				
	49				
	50				
	51				
	52				
	53				
	54				
	55				
	56				
	57				
	58				
	59				
	60				

Drill Hole Number: 2006 BH 8086-11

Project: Martins Creek
 Drilling Co: Intertech
 Date: 2006

Job Number: 1217
 Logged By: Rail Corp

Hole Depth: 13.58m
 Hole Dia: 110mm

Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				
Soil					
Latite - Grey	0 1 2 3 4 5 6 7				GR 6397846.791 , 370465.085 RL 79.3m
Sandstone/Siltstone - Brown/Grey Fine to medium grained.	8 9 10 11 12 13				
	14 15 16 17 18 19 20				

Appendix E: 2015 Bore Hole Logs


Plan of:	Martins Creek Andesite Quarry Geology Assessment - Drill Hole E2
Figure:	Appendix E
Sheet:	1 of 2
Version/Date:	V1 02/09/2015

This figure may be based on third party data which has not been verified by vgt and may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and vgt does not warrant its accuracy.

Location:	Off Station Street, Martins Creek, New South Wales	Source:	VGT Pty Ltd	Our Ref:	1217_MCGA_Bore Hole_E2_V1.cdr
Council:	Dungog Shire Council	Survey:	N/A	Plan By:	TO/JD
Tenures:	N/A	Projection:	N/A	Project Manager:	GVT
Client:	Buttai Gravel Pty Ltd (Daracon Group)	Contour Interval:	N/A	Office:	Thornton

Drill Hole Number: Martins Creek 2015 E2

Project: Martins Creek **Job Number:** 1217 **Hole Depth:** 30 Metres
Drilling Co: Total Drilling **Logged By:** G Thomson **Hole Dia:** 100mm
Date: 2015

Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				
Weathered Latite?- brown Few fragments, soft clayey,	0-1			3	GR 6397876, 370775 RL 109 
Weathered Latite-orange brown Soft, clayey, few fragments	1-10			3	
	2			3	
	3			3	
	4			3	
	5			3	
	6			3	
	7			3	
	8			3	
	9			3	
Weathered Claystone - brown soft	10-15			3	
	11			3	
	12			3	
	13			3	
	14			3	
	15			3	
Weathered Sandstone - brown, medium to coarse grained.	15-20			3	
	16			3	
	17			3	
	18			3	
	19			3	
	20			3	

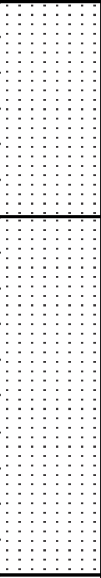


Plan of:	Martins Creek Andesite Quarry Geology Assessment - Drill Hole E2
Figure:	Appendix E
Sheet:	2 of 2
Version/Date:	V1 02/09/2015

This figure may be based on third party data which has not been verified by vgt and may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and vgt does not warrant its accuracy.

Location:	Off Station Street, Martins Creek, New South Wales	Source:	VGT Pty Ltd	Our Ref:	1217_MCGA_Bore Hole_E2_V1.cdr
Council:	Dungog Shire Council	Survey:	N/A	Plan By:	TO/JD
Tenures:	N/A	Projection:	N/A	Project Manager:	GVT
Client:	Buttai Gravel Pty Ltd (Daracon Group)	Contour Interval:	N/A	Office:	Thornton

Drill Hole Number: Martins Creek 2015 E2

Project: Martins Creek **Job Number:** 1217 **Hole Depth:** 30 Metres
Drilling Co: Total Drilling **Logged By:** G Thomson **Hole Dia:** 100mm
Date: 2015

Description	Depth	Graphic Log	Sample	Strength	Remarks			
Sandstone-Grey brown medium coarse, volcano lithic	21			3				
	22			3				
	23			3				
	24			2				
	25			2				
	26			2				
	27			2				
	28			2				
	Siltstone - grey,			29				2
				30				2
	31							
	32							
	33							
	34							
	35							
	36							
	37							
	38							
	39							
	40							

Plan of:	Martins Creek Andesite Quarry Geology Assessment - Drill Hole E3
Figure:	Appendix E
Sheet:	1 of 2
Version/Date:	V1 02/09/2015

This figure may be based on third party data which has not been verified by vgt and may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and vgt does not warrant its accuracy.



Location:	Off Station Street, Martins Creek, New South Wales	Source:	VGT Pty Ltd	Our Ref:	1217_MCGA_Bore Hole_E3_V1.cdr
Council:	Dungog Shire Council	Survey:	N/A	Plan By:	TO/JD
Tenures:	N/A	Projection:	N/A	Project Manager:	GVT
Client:	Buttai Gravel Pty Ltd (Daracon Group)	Contour Interval:	N/A	Office:	Thornton

Drill Hole Number: Martins Creek 2015 E3

Project: Martins Creek **Job Number:** 1217 **Hole Depth:** 29 m
Drilling Co: Total Drilling **Logged By:** Greg Thomson **Hole Dia:** 100mm
Date: March 2015

Description	Depth	Graphic Log	Sample	Strength	Remarks
Ground Surface	0				
Latite - Grey red brown	0 - 5			2 1 1 1 2	GR 6397514, 370827 RL 59m
Sandstone - Brown Medium to coarse grained mod hard, can break fragments in fingers, volcano-lithic origin, angular fragments, becoming grey toward base	5 - 13			2 2 2 2 2 2 2 2 2 2 2	
Sandstone- Grey brown Medium to fine grained, can break fragments in fingers.	13 - 20			2 2 2 2 2 2 2 2 2 1	

Plan of:	Martins Creek Andesite Quarry Geology Assessment - Drill Hole E3
Figure:	Appendix E
Sheet:	2 of 2
Version/Date:	V1 02/08/2015

This figure may be based on third party data which has not been verified by vgt and may not be to scale. Unless expressly agreed otherwise, this figure is intended as a guide only and vgt does not warrant its accuracy.



Location:	Off Station Street, Martins Creek, New South Wales	Source:	VGT Pty Ltd	Our Ref:	1217_MCGA_Bore Hole_E3_V1.cdr
Council:	Dungog Shire Council	Survey:	N/A	Plan By:	TO/JD
Tenures:	N/A	Projection:	N/A	Project Manager:	GVT
Client:	Buttai Gravel Pty Ltd (Daracon Group)	Contour Interval:	N/A	Office:	Thornton

Drill Hole Number: Martins Creek 2015 E3

Project: Martins Creek **Job Number:** 1217 **Hole Depth:** 29 m
Drilling Co: Total Drilling **Logged By:** Greg Thomson **Hole Dia:** 100mm
Date: March 2015

Description	Depth	Graphic Log	Sample	Strength	Remarks
Sandstone-grey, Medium coarse, very clayey and soft,	21			1	
	22			1	
	23			1	
	24			1	
Sandstone - Grey brown Fine to medium grained, silty in part	25			1	
	26			2	
	27			2	
	28			2	
	29			2	
	30				
	31				
	32				
	33				
	34				
	35				
	36				
	37				
	38				
	39				
	40				