FIGURE
TEST PIT NUMBER RTP-52
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 11/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 429215E 7353003N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 4 8 12 16 20)
					GC	**CLAYEY GRAVEL** Dense to very dense, fine to coarse, red brown, with trace cobbles, dry			
			0.5			**GRANITE** Highly weathered to moderately weathered, grey white with red brown discoloration, low to medium strength			
						Test pit RTP-52 terminated at 0.55m			
			1.0						
			1.5						
			2.0						
			2.5						

FIGURE
TEST PIT NUMBER RTP-53
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 11/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 428870E 7353414N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Natural moisture (w)	% Finer than 0.075mm	Liquid limit (w_l)	Plastic limit (w_p)	Plasticity Index	Linear Shrinkage	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
			0.0		SC	**CLAYEY SAND** Dense, fine to coarse, red brown, with fine and medium gravel, dry	BS		8.3	27	53	23	30	11	
			0.5			becomes pale brown yellow and red brown at 0.7 m									
			1.0			becomes very dense at 1.0 m									
						Test pit RTP-53 terminated at 1.3m									
			1.5												
			2.0												
			2.5												

FIGURE

TEST PIT NUMBER RTP-54

SHEET 1 OF 1

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 14/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 428724E 7353714N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
					GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with cobbles, dry			
			0.5			**GRANITE** Highly weathered to moderately weathered, grey and white with yellow brown discoloration, low to medium strength			
						Test pit RTP-54 terminated at 0.5m			
			1.0						
			1.5						
			2.0						
			2.5						

FIGURE

TEST PIT NUMBER RTP-55

SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 14/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 428653E 7354461N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
					GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with clay, cobbles, dry			
				+		**GRANITE** Moderately weathered, grey and white, medium strength			
			0.5			Test pit RTP-55 terminated at 0.45m			
			1.0						
			1.5						
			2.0						
			2.5						

FIGURE
TEST PIT NUMBER RTP-56
SHEET 1 OF 1

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 14/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 428390E 7355261N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Natural moisture (w)	% Finer than 0.075mm	Liquid limit (w_l)	Plastic limit (w_p)	Plasticity Index	Linear Shrinkage	MDD	OMC	CBR (%)	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
			0.0		SW	**SAND** Medium dense, fine to coarse, pale red brown, with silt, dry												
			0.5		GWS	**SANDY GRAVEL** Dense to very dense, fine to coarse, grey and pale brown, with clay, moist	BS		5.4	12	29	15	14	7.5	2.16	6.5	50	
			1.0			**GRANITE** Highly weathered to moderately weathered, grey and white, low to medium strength												
						Test pit RTP-56 terminated at 1.1m												
			1.5															
			2.0															
			2.5															

MPAW/ATC/ATCW BOREHOLE / TEST PIT TESTPIT LOGS.GPJ GINT AUSTRALIA.GDT 13/3/17

FIGURE
TEST PIT NUMBER RTP-57
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 14/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 428600E 7355673N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Natural moisture (w)	% Finer than 0.075mm	MDD	OMC	CBR (%)	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
			0.5		SC	**CLAYEY SAND** Dense to very dense, fine to coarse, red brown, with fine to coarse gravel and occasional cobbles, moist	BS		6.9	23	2.11	8.5	6	
			1.0			**GRANITE** Highly weathered to moderately weathered, grey and white, low to medium strength								
			1.5			Test pit RTP-57 terminated at 1.3m								
			2.0											
			2.5											

FIGURE

TEST PIT NUMBER RTP-58

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 14/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 428460E 7356010N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 4 8 12 16 20)
					SC	**CLAYEY SAND** Very dense, fine to coarse, red brown, with gravel (black iron stone), dry			
						GRANITE Highly weathered, red brown yellow and grey, low to medium strength			
						Test pit RTP-58 terminated at 0.35m			
			0.5						
			1.0						
			1.5						
			2.0						
			2.5						

FIGURE

TEST PIT NUMBER DVTP-02

SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 423633E 7356942N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 4 8 12 16 20)
			0.0		GWS	**SANDY GRAVEL** Dense to very dense, fine to coarse, red brown, with clay, cobbles, rootlets, dry			
			0.5			**GRANITE** Moderately weathered, grey and white with red brown stains, medium strength			
						Test pit DVTP-02 terminated at 0.7m			
			1.0						
			1.5						
			2.0						
			2.5						

FIGURE

TEST PIT NUMBER DVTP-03

SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 424103E 7357139N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
					GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with clay, cobbles, dry			
			0.5		GC	**CLAYEY GRAVEL** Very dense, fine to coarse, red brown, dry			
						GRANITE Highly weathered to moderately weathered, grey with yellow brown, low to medium strength			
			1.0			Test pit DVTP-03 terminated at 0.9m			
			1.5						
			2.0						
			2.5						

FIGURE
TEST PIT NUMBER DVTP-04
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 424637E 7357334N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
					GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with clay, cobbles, dry			
				+ + +		**GRANITE** Highly weathered to moderately weathered, grey and white with yellow brown, low to medium strength			
						Test pit DVTP-04 terminated at 0.3m			
			0.5						
			1.0						
			1.5						
			2.0						
			2.5						

ATC Williams

FIGURE
TEST PIT NUMBER DVTP-05
SHEET 1 OF 1

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 424481E 7356898N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
			0.5		GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with clay, cobbles, dry			
						GRANITE Highly weathered, grey with red brown, low to medium strength			
						Test pit DVTP-05 terminated at 0.6m			
			1.0						
			1.5						
			2.0						
			2.5						

ATC Williams

FIGURE
TEST PIT NUMBER DVTP-06
SHEET 1 OF 1

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 423902E 7356222N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
					GWS	**SANDY GRAVEL** Dense to very dense, fine to coarse, red brown, with clay, cobbles, dry			
			0.5				BS		
						GRANITE Moderately weathered, grey and white with red brown stains, medium strength			
						Test pit DVTP-06 terminated at 0.7m			
			1.0						
			1.5						
			2.0						
			2.5						

FIGURE
TEST PIT NUMBER DVTP-07
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 424799E 7357109N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 3 6 9 12 15)
					GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with clay, cobbles, boulders, dry			
						GRANITE Moderately weathered, grey and white, medium strength			
			0.5			Test pit DVTP-07 terminated at 0.45m			
			1.0						
			1.5						
			2.0						
			2.5						

FIGURE
TEST PIT NUMBER DVTP-08
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 424636E 7356806N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 2 4 6 8 10)
					SW	**SAND** Medium dense to dense, fine to coarse, pale red brown, with silt, dry			
				+		**GRANITE** Highly weathered, grey pale brown, low to medium strength			
			0.5			Test pit DVTP-08 terminated at 0.45m			
			1.0						
			1.5						
			2.0						
			2.5						

MPAW/ATC/ATCW BOREHOLE / TEST PIT TESTPIT LOGS.GPJ GINT AUSTRALIA.GDT 28/9/17

FIGURE

TEST PIT NUMBER DVTP-09

SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 424639E 7356559N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 4 8 12 16 20)
					GC	**CLAYEY GRAVEL** Very dense, fine to coarse, red brown, with trace cobbles, dry			
						GRANITE Moderately weathered, grey and white with red brown stains, medium strength			
			0.5			Test pit DVTP-09 terminated at 0.3m			
			1.0						
			1.5						
			2.0						
			2.5						

FIGURE
TEST PIT NUMBER DVTP-10
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 424534E 7356514N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 4 8 12 16 20)
					GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with clay, cobbles, dry			
						GRANITE Moderately weathered, grey and white with red brown stains, medium strength			
						Test pit DVTP-10 terminated at 0.25m			
			0.5						
			1.0						
			1.5						
			2.0						
			2.5						

MPAW/ATC/ATCW BOREHOLE / TEST PIT TESTPIT LOGS.GPJ GINT AUSTRALIA.GDT 28/9/17

FIGURE

TEST PIT NUMBER DVTP-11

SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 424270E 7356279N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
					GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with clay, cobbles, dry			
			0.5			**GRANITE** Moderately weathered, grey and white with red brown stains, medium strength			
						Test pit DVTP-11 terminated at 0.5m			
			1.0						
			1.5						
			2.0						
			2.5						

MPAW/ATC/ATCW BOREHOLE / TEST PIT TESTPIT LOGS.GPJ GINT AUSTRALIA.GDT 28/9/17

FIGURE
TEST PIT NUMBER DVTP-12
SHEET 1 OF 1

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 425039E 7356545N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 4 8 12 16 20)
					GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with clay, cobbles, trace boulders, dry			
			0.5			**GRANITE** Highly weathered to moderately weathered, grey and white with red brown, low to medium strength			
						Test pit DVTP-12 terminated at 0.5m			
			1.0						
			1.5						
			2.0						
			2.5						

MPAW/ATC/ATCW BOREHOLE / TEST PIT TESTPIT LOGS.GPJ GINT AUSTRALIA.GDT 28/9/17

FIGURE
TEST PIT NUMBER DVTP-13
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 425166E 7356888N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 4 8 12 16 20)
					GC	**CLAYEY GRAVEL** Very dense, fine to coarse, red brown, with cobbles, dry			
			0.5			**GRANITE** Highly weathered to moderately weathered, grey and white, low to medium strength			
						Test pit DVTP-13 terminated at 0.5m			
			1.0						
			1.5						
			2.0						
			2.5						

MPAW/ATC/ATCW BOREHOLE / TEST PIT TESTPIT LOGS.GPJ GINT AUSTRALIA.GDT 28/9/17

FIGURE
TEST PIT NUMBER DVTP-14
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 424869E 7356245N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 4 8 12 16 20)
					GC	**CLAYEY GRAVEL** Dense to very dense, fine to coarse, red brown, with cobbles, dry			
			0.5			**GRANITE** Moderately weathered, grey and white, medium strength			
						Test pit DVTP-14 terminated at 0.5m			
			1.0						
			1.5						
			2.0						
			2.5						

FIGURE
TEST PIT NUMBER DVTP-15
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 425396E 7356903N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 4 8 12 16 20)
					SW	**SAND** Dense to very dense, fine to coarse, red brown, with silt, clay, rootlets, dry			
			0.5		SC	**CLAYEY SAND** Very dense, fine to coarse, red brown, with gravel, dry	BS		
						GRANITE Highly weathered to moderately weathered, grey, low to medium strength			
						Test pit DVTP-15 terminated at 0.6m			
			1.0						
			1.5						
			2.0						
			2.5						

MPAW/ATC/ATCW BOREHOLE / TEST PIT TESTPIT LOGS.GPJ GINT AUSTRALIA.GDT 28/9/17

FIGURE
TEST PIT NUMBER DVTP-16
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 425476E 7356644N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
			0.0		SM	**SILTY SAND** Medium dense, fine and medium, pale brown/brown, with clay, dry			
					SC	**CLAYEY SAND** Dense to very dense, fine to coarse, red brown, with gravel, dry	BS		
			0.5			becomes pale grey brown			
			1.0				BS		
			1.5		GC	**CLAYEY GRAVEL** Very dense, fine to coarse, pale grey brown, with gravel, dry			
						GRANITE Highly weathered, grey and white, low strength			
						Test pit DVTP-16 terminated at 1.8m			
			2.0						
			2.5						

MPAW/ATC/ATCW BOREHOLE / TEST PIT TESTPIT LOGS.GPJ GINT AUSTRALIA.GDT 28/9/17

FIGURE
TEST PIT NUMBER DVTP-17
SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 425509E 7356439N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 4 8 12 16 20)
					GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with trace clay, cobbles, dry			
					GC	**CLAYEY GRAVEL** Very dense, fine to coarse, red brown, with trace cobbles, dry			
			0.5			**GRANITE** Highly weathered to moderately weathered, dark grey, medium strength			
						Test pit DVTP-17 terminated at 0.5m			
			1.0						
			1.5						
			2.0						
			2.5						

MPAW/ATC/ATCW BOREHOLE / TEST PIT TESTPIT LOGS.GPJ GINT AUSTRALIA.GDT 28/9/17

FIGURE

TEST PIT NUMBER DVTP-18

SHEET 1 OF 1

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 425494E 7356231N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 4 8 12 16 20)
					GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with clay, cobbles, dry			
						GRANITE Highly weathered to moderately weathered, dark grey with red brown, low to medium strength			
			0.5			Test pit DVTP-18 terminated at 0.35m			
			1.0						
			1.5						
			2.0						
			2.5						

FIGURE

TEST PIT NUMBER DVTP-19

SHEET 1 OF 1

ATC Williams

CLIENT Hastings Technology Metals **JOB NAME** Yangibana Project

JOB NUMBER 112391.11 **JOB LOCATION** Gascoyne Region, Western Australia

DATE 13/11/16 **LOGGED BY** AP **CHECKED** JL **R.L. SURFACE** **DATUM**

EQUIPMENT 13 T Excavator **LOCATION** 425521E 7356493N

REMARKS Groundwater not encountered

Method	Water	RL (m)	Depth (m)	Graphic Log	Classification Symbol	Material Description: Soil: type, USCS symbol, strength, plasticity or particle size, colour, secondary components, moisture condition	Sample Type	Sample condition	Dynamic Cone Penetrometer No. of blows for depth indicated by bar thickness (0 5 10 15 20 25)
					GWS	**SANDY GRAVEL** Very dense, fine to coarse, red brown, with clay, cobbles, dry			
				+ + +		**GRANITE** Highly weathered, grey and white, low to medium strength Test pit DVTP-19 terminated at 0.3m			
			0.5						
			1.0						
			1.5						
			2.0						
			2.5						

MPAW/ATC/ATCW BOREHOLE / TEST PIT TESTPIT LOGS.GPJ GINT AUSTRALIA.GDT 28/9/17

APPENDIX B

ASTP-02

ASTP-03

ASTP-05

ASTP-07

ASTP-08

ASTP-09

CA-01

CA-02

CATP-01

CATP-02

CATP-03

CATP-04

CATP-05

CATP-06

CATP-07

CATP-08

CATP-09

CATP-10

CTTP-01

CTTP-02

CTTP-03

CTTP-04

CTTP-05

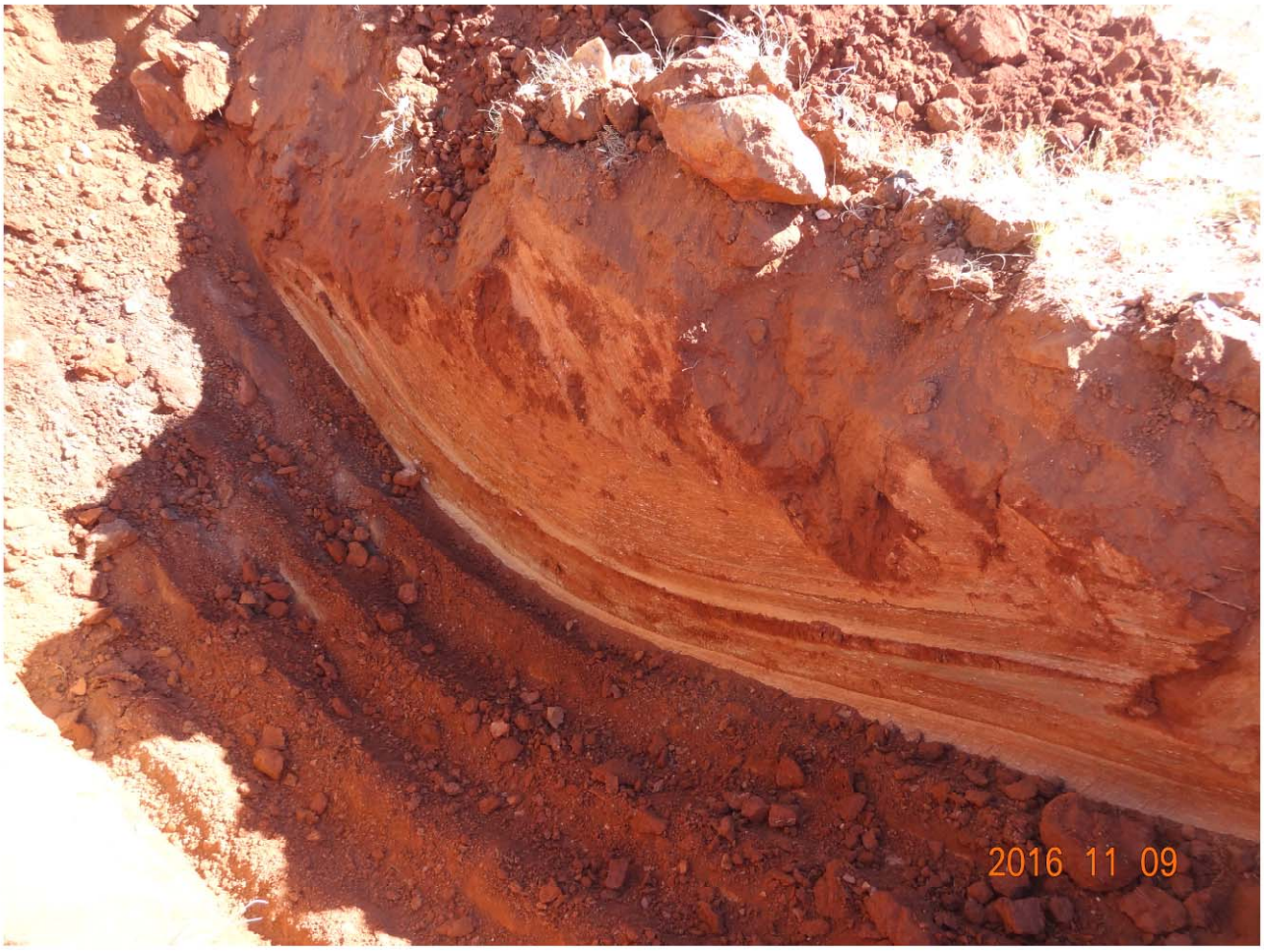
CTTP-06

CTTP-07A

CTTP-07B

CTTP-08

CTTP-09



CTTP-10

CTTP-11

CTTP-12

CTTP-13

CTTP-14

CTTP-15

CTTP-16

CTTP-17

CTTP-18

CTTP-19

CTTP-20

CTTP-21

CTTP-22

CTTP-23

CTTP-24

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CTTP-26

CTTP-27

CTTP-28

CTTP-29

CTTP-30

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CTTP-35

CTTP-36

CTTP-37

CTTP-38

CTTP-39

DVTP-02

DVTP-03

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DVTP-06

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DVTP-10

DVTP-11

DVTP-12

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DVTP-15

DVTP-16

DVTP-17

DVTP-18

DVTP-19

PLBH-01

PLBH-05