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BOREHOLE LOG SHEET



Date
 Project
 Location
 Position
 Date Start
 Date Stop
 Log Type
 Log No.

Job No. PXL 520



Consulting Geological Engineers
 1000 West 10th Street, Suite 1000
 Vancouver, B.C. V6H 2G6

CORE LOG SHEET

5 cm

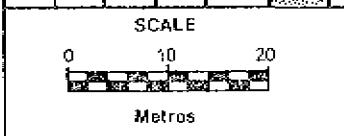
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Client: KAISER ALUMINIUM
 Project: SILICA PROSPECT E.L. 43/70
 Location: WYBYARD TASMANIA
 Position: BLP RANGE NO. 1 NORTH REF. FIGURE 2 Surface Elevation: G.L. Angle from Horizontal: 90°
 Rig Type: GEMCO Mounting: TRAILOR Contractor: H. STACPOOL Driller: R.G. LETHBRIDGE
 Casing Diameter: N Barrel length: 2.445 Bit: NQ/T46 Bit Condition Before: GOOD After: CHANGED
 Date Started: 12-5-81 Date Completed: Logged by: R.J. CARR Date Logged: 14/5/81

HOLE NO DDH NO 1

SHEET 1 OF 3

Progress	DRILLING/ CASING	WATER	DRILL DEPTH	SAMPLER/ FIELD TESTS	DEPTH (RL) m	STRATA	DESCRIPTION	Weathering	Strength Is (50) MPa	NATURAL FRACTURES					ADDITIONAL DATA (joints, veins, seams, faults) Description, dip, smoothness, coating, other.		
										Spacing (mm)	20	40	100	300		1000	VISUAL
			0.3		0.3		SEE BOREHOLE LOG SHEET										
1			76		0.5		SANDSTONE, white, fine grained, quartzose, poorly cemented and friable.										
			1.15				CORE LOSS										
2			100		1.95		CORE LOSS										
			1.95				CORE LOSS										
3			69		2.11		SANDSTONE, white, fine grained, quartzose, poorly cemented and friable.										Bedding dipping approximately at 45°
			3.395		3.395		CORE LOSS										
4			0				SANDSTONE, white and light brown, fine to medium grained, quartzose, minor harder bands generally poorly cemented and porous.										Thinly bedded with solution cavities and clay minerals along bedding planes. Joints at 15° to core.
			4.8	4.9													
5			53	5.4	5.5												
			6.3				CORE LOSS										
6			0														
			7.41				SANDSTONE, white, fine to medium grained, quartzose, some rose quartz, partially silicified.										Silicification along joint planes
7			23		8.40		As above crossbedded.										
			8.71		8.71		CORE LOSS										
8			0														
			11.1				SANDSTONE, white to light brown, fine grained, silicified.										
9			13		10.11												
			10.31		10.31		CORE LOSS (sand)										
10			0		10.56		As above										
			11.63				SANDSTONE, black brown, iron/alumina, oxide stained, medium grained with micaceous matrix material.										Joints and fractures infilled with black iron oxides etc.
11			0		11.7												
			12.4				QUARTZITE, light brown, minor micaceous material, fine to medium grained, silicified sandstone.										
12			0														
			13.13		13.0												
13			0				QUARTZITE, light brown and grey, glassy, fine grained, possible secondary silicification, grains structure obscured by silica cement. Bedding structure still apparent as thin micaceous bands.										At 13.33 NQ bit refused. Changed to thin walled AQ barrel and impregnated bit.
			14.16														
14			0		14.63												Joints and fractures infilled with brown black oxides. Joint spacing varies from 150 to 600mm. Two joint sets observed 30° apart both at 10-15° to core.
15																	
16																	



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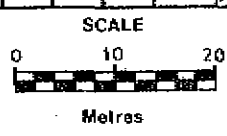
CORE LOG SHEET

5 cm

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Client: KAISER ALUMINUM		HOLE NO. DDH N°1	
Project: SILICA PROSPECT E.L. 43/70		SHEET 2 OF 3	
Location: WYNYARD TASMANIA		Position: DIP RANGE NO.1 NORTH REF. FIGURE 2	
Surface Elevation: G.L.		Angle from Horizontal: 90°	
Rig Type: GEMCO	Mounting: TRAILOR	Contractor: H. STACPOOL	Driller: R.G. LEIBORG
Casing Diameter: N	Barrel (length): 2.445	Bit: NQ/T46	Bit Condition Before: GOOD After: CHANGED
Date Started: 12-5-81	Date Completed:	Logged by: R.J. CARR	Date Logged: 14-5-81

Progress	DRILLING/ CASING	WATER	Core loss (run %)	SAMPLES / FIELD TESTS	DEPTH (RL) F	STRATA	DESCRIPTION (Rock type, colour, grain size, structure, texture, mineral composition, hardness, alteration cementation, etc. as applicable)	Weathering		Strength Is (50) MPa					NATURAL FRACTURES		ADDITIONAL DATA (joints, veins, seams, faults) Description, dip, smoothness, coating, other.	
								EW	HW	EW	VW	MS	VS	ES	Spacing (mm)	VISUAL		
					16.62													
17			0		17.0		As above with finely interbedded micaceous bands. QUARTZITE grading to earth brown colour as micas increase.											Joints brown oxide filled at 10-15° to core.
18			0		18.17		QUARTZITE with abundant micaceous minerals, white to light brown, in part schistose.											Joints and fractures infilled with oxides and micaceous material.
19			0		18.67													
20			0		19.67		QUARTZITE in part, micaceous, blue grey, fine grained, glassy.											
21			0		20.17													
22			0		20.61		As above minor micaceous beds.											
23			0		21.17													
24			0		22.17													
25			0		22.67													
26			0		22.67													
27			0		24.12													
28			0		24.6		QUARTZITE, grey, fine grained with frequent interbedded fine yellow micaceous beds.											Joints tight and clean, minor infill.
29			0		25.62													Joint 10-15° to core.
30			0		27.12													Joint, 10-15° to core.
31			0		28.47													Joint, 10-15° to core.
32			0		28.67		As above.											Joints, 10-15° to core.
33			0		30.12													Joint
34			0		30.2													Bit replaced with new impregnated unit.
35			0		31.62		SANDSTONE, dark brown to black, fine grained and silty, silicified.											Joint and fracturing.
36			0															Black oxide in joints, bedding and fracture surfaces.



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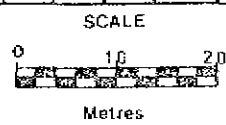
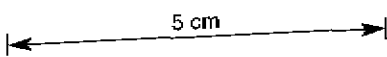
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CORE LOG SHEET

Client: KAISER ALUMINUM
 Project: SILICA PROSPECT R.L. 43/70
 Location: WYNWARD TASMANIA
 Position: DIP RANGE NO. 1 NORTH REF. FIGURE 2 Surface Elevation: G.L. Angle from Horizontal: 90°
 Rig Type: GEMCO Mounting: TRAILOR Contractor: M. STACPOOL Driller: R.G. LETHBRG
 Casing Diameter: N Barrel (length): 2.445 Bit: HQ/T46 Bit Condition Before: GOOD After: CHANGED
 Date Started: 12-5-81 Date Completed: Logged by: R.J. GARR Date Logged: 14-5-81

HOLE NODDHN^o1
 SHEET 3 OF 3

Progress DRILLING/ CASING	WATER	Core loss (run %) DRILL DEPTH	SAMPLES/ FIELD TESTS	DEPTH (RL) m	STRATA	DESCRIPTION ROCK TYPE, Colour, Grain size, Structure (texture, mineral composition, hardness, alteration cementation, etc. as applicable)	Weathering		Strength Is (50) MPa		NATURAL FRACTURES	
							EW SW	HW SH	EW SW	VW SH	MS 1	VS 3
		0										
33		33.12				As above SANDSTONE, brown black, fine silty (carbonaceous) black oxide stained.						
34		34.22										Black oxides in fracture, joint and bedding planes.
35		34.52										
36		36.12										
37						D.D.H No. 1 TERMINATED						



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