

Table: 3
ENGINEERING GEOLOGY OF THE DOLPHIN OREBODY
SUMMARY OF DETAILED STRUCTURAL CORE LOGGING

HOLE No.	VOLCANICS				B LENS HORNFELS				B LENS MAFIC HORNFELS				B LENS MARBLE				HANGINGWALL BIOTITE HORNFELS				PYROXENE GARNET HORNFELS				REMARKS
	J/M	% CORE >7.5cm.	S.I.	JOINT FILLINGS	J/M	% CORE >7.5cm.	S.I.	JOINT FILLINGS	J/M	% CORE >7.5cm.	S.I.	JOINT FILLINGS	J/M	% CORE >7.5cm.	S.I.	JOINT FILLINGS	J/M	% CORE >7.5cm.	S.I.	JOINT FILLINGS	J/M	% CORE >7.5cm.	S.I.	JOINT FILLINGS	
167																	21.2	16.7	19.8	CALCITE CLAY	20.0	0	Ø	CALCITE	DRILLED EXT , PYROXENE GARNET HORNFELS OVER 1.0m.
169													> 20.0	20.0	Ø	CHLORITE PYRITE	> 20.0	6.0	Ø	CHLORITE CALCITE PYRITE					B LENS MARBLE OVER 2.0m.
172																	8.9	75.7	8.7	CHLORITE CALCITE OPEN					
179																	8.7	91.3	6.6	CHLORITE CALCITE GYPSUM PYRITE OPEN					
183																	19.5	43.0	14.8	ABUNDANT CHLORITE MINOR CALCITE PYRITE	12.8	71.8	10.2	ABUNDANT CHLORITE MINOR PYRITE CALCITE	
184					11.2	55.0	12.7	CHLORITE IRON OXIDES PYRITE	15.5	30.0	16.2	CHLORITE IRON OXIDES PYRITE	6.6	90.0	6.9	CALCITE CLAY GYPSUM	12.7	50.0	12.4	CHLORITE CALCITE PYRITE GYPSUM	14.1	40.0	13.3	CHLORITE PYRITE CLAY	
189																	14.3	47.7	13.4	MODERATE CHLORITE MINOR CALCITE CLAY PYRITE					
190																	13.3	54.0	12.9	CALCITE CLAY CHLORITE CLINOHUMITE					
191																	13.0	59.4	11.3	CHLORITE CLAY PYRITE CALCITE					ACTINOLITE HORNFELS OCCURRING BELOW THE PYROXENE GARNET HORNFELS.
192									12.0	60.0	9.8	MODERATE CHLORITE CALCITE CLAY PYRITE					8.7	64.0	9.1	CHLORITE CLAY PYRITE IRON OXIDES					B LENS MAFIC HORNFELS OVER 2m.
193									13.1	37.1	10.9	CHLORITE PYRITE CALCITE QUARTZ					7.5	71.0	8.5	CHLORITE					UPPER 11.0m. VERY BIOTITE RICH AND MAY BE PART OF UPPER BIOTITE HORNFELS.
194																	16.1	54.0	12.1	MODERATE CHLORITE MINOR CALCITE PYRITE					
195	18.3	12.5	20.8	CHLORITE CALCITE CLAY PYRITE	7.7	25.6	9.6	CALCITE CHLORITE CLAY PYRITE																	UPPER BIOTITE HORNFELS IS PYROXENE RICH IN PART.
196	12.0	20.0	14.7	CHLORITE PYRITE IRON OXIDES	10.0	48.7	11.9	CHLORITE CALCITE IRON OXIDES CALCITE CLAY	12.7	37.5	13.4	CHLORITE PYRITE CALCITE	8.1	85.0	6.7	CALCITE ABUNDANT CHLORITE 131-135 m. TALC	10.6	50.7	12.8	CHLORITE PYRITE CALCITE CLAY	16.6	37.0	15.3	CHLORITE CLAY CALCITE GYPSUM PYRITE	
197																	7.3	83.3	6.9	CLAY CHLORITE CALCITE OPEN	6.3	87.0	6.3	CHLORITE CALCITE PYRITE	
198	7.5	70.0	8.5	CHLORITE CLAY	10.0	53.9	11.9	CHLORITE PYRITE CALCITE CLAY	8.0	62.5	13.4	CHLORITE PYRITE CALCITE					7.2	82.2	7.4	CHLORITE PYRITE	12.0	60.0	11.1	CHLORITE PYRITE	MARBLES NOT REPRESENTED IN HOLE.
199	8.7	77.6	9.0	CHLORITE PYRITE CLAY	12.9	51.8	12.5	CHLORITE CALCITE CLAY PYRITE	10.9	66.6	10.7	CLAY CHLORITE CALCITE PYRITE	2.0	100.0	3.6	CALCITE					10.0	78.0	8.3	CALCITE CHLORITE	B LENS MARBLE OVER 1.0m. HANGINGWALL BIOTITE HORNFELS NOT REPRESENTED.
200					19.8	15.5	20.7	CHLORITE CALCITE PYRITE CLAY	12.0	45.0	13.0	ABUNDANT CHLORITE					12.2	57.6	17.6	CHLORITE CLAY CALCITE PYRITE					B LENS MAFIC HORNFELS OVER 2.0m. HOLE VERY CLOSE TO WEDGE FAULT.
201					10.8	67.2	10.3	CHLORITE CALCITE PYRITE	16.8	53.0	13.5	CHLORITE CALCITE					6.8	90.8	6.1	CALCITE CHLORITE PYRITE	8.0	100.0	5.5	ABUNDANT CHLORITE PYRITE	B LENS MAFIC HORNFELS OVER 2.0m. PYROXENE GARNET HORNFELS OVER 1.0m.
202																	17.8	39.5	16.9	ABUNDANT CHLORITE MINOR CALCITE CLAY	16.4	33.0	16.8	ABUNDANT CHLORITE MINOR CLAY	HOLE BADLY FAULTED. MAJOR DISTURBANCES IN SEQUENCE.
203A	13.6	47.6	14.2														16.1	26.5	19.9	ABUNDANT CHLORITE MINOR PYRITE CALCITE					B LENS ROCKS NOT REPRESENTED.
208																	7.4	84.1	7.1	CHLORITE OPEN CALCITE PYRITE					
209	8.8	77.0	8.2	CHLORITE CALCITE PYRITE	10.3	58.3	12.0	CALCITE PYRITE CHLORITE	18.0	22.3	17.9	CHLORITE PYRITE CALCITE					19.2	17.4	19.2	CHLORITE PYRITE CALCITE	14.0	17.0	19.6	CHLORITE PYRITE	B LENS MARBLE NOT REPRESENTED.
210																	15.6	34.0	16.5	CHLORITE CALCITE PYRITE OPEN					
211																	18.4	41.0	15.9	CHLORITE PYRITE CLAY OPEN					
416	>20.0	27.2	Ø	CHLORITE CALCITE PYRITE	7.9	90.3	7.0	CHLORITE PYRITE CALCITE	8.0	80.5	7.5	CHLORITE CALCITE PYRITE TALC, CLAY	4.0	92.3	5.0	CALCITE CHLORITE CLAY	8.2	75.0	8.5	CHLORITE PYRITE CLAY CALCITE, TALC	4.4	95.4	4.8	CHLORITE PYRITE CALCITE	VOLCANICS DOUBTFUL, VERY CLOSE TO A FAULT. DRILLED BQ
425					18.8	50.0	14.7	MODERATE CHLORITE PYRITE CALCITE									>20	28.7	Ø	ABUNDANT CHLORITE MINOR CLAY PYRITE CALCITE					DRILLED BQ

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