



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

HOLE No.	VOLCANICS				B LENS HORNFEELS				B-LENS MAFIC HORNFEELS				B LENS MARBLE				HANGINGWALL BIOTITE HORNFEELS				PYROXENE GARNET HORNFEELS				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	0						DRILLED EXT, PYROXENE GARNET HORNFEELS OVER 1.0m.	
169													>20-0	20-0	0	CHLORITE PYRITE	>20-0	6-0	0						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													19-6	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	15-6	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	13-8	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 HORNFEELS OCCURRING BELOW THE PYROXENE GARNET HORNFEELS.
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 HORNFEELS 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 HORNFEELS.
194													16-1	54-0	12-1	MODERATE CHLORITE MINOR CALCITE PYRITE										
195	10-3	12-5	20-8	CHLORITE CALCITE CLAY PYRITE	7-7	25-6	9-6	CALCITE CHLORITE CLAY PYRITE																		UPPER BIOTITE HORNFEELS IS PYROXENE RICH IN PART.
196	12-0	20-0	14-7	CHLORITE PYRITE IRON OXIDES	10-0	49-7	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 191-195m. 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 HORNFEELS 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 HORNFEELS 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 HORNFEELS OVER 2.0m. PYROXENE GARNET HORNFEELS 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	54-1	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	0	CHLORITE CALCITE PYRITE	7-9	90-3	7-0	CHLORITE PYRITE CALCITE	8-0	80-5	7-5	CHLORITE CALCITE 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	0	ABUNDANT CHLORITE MINOR CLAY PYRITE CALCITE						DRILLED BQ