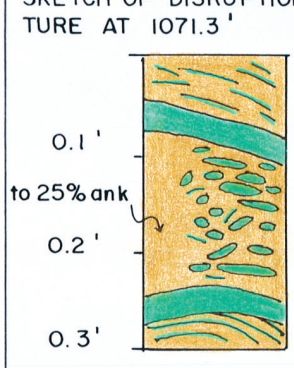
Plate 16

Coeur d'Alene District Revett Study

Drill Core Log

Hole Name/No. CALADAY # 30-1
Purpose of Hole to examine stratigraphy of the upper Revett and part of the middle Revett and lower St. Regis.
Logged by J. Mauk

Property Caladay
Coord-collar N 104,727
E 24,610
Elev-collar 3000 Station

Date started 1-3-84
Completed 2-23-84
Location Map No. Caladay b
Bearing at collar S 37°W
Inclination at collar +2°
Length 1548'
Core size 0-508 NX 508-1548 BW 44

DEPTH / THICKNESS	ROCK TYPE	DIAGENETIC / METAMORPHIC MODIFICATIONS	COLORS	BEDDING PLANE PROPERTIES: TYPE	BEDDING PLANE PROPERTIES: ATTITUDE STK./DIP or ∠ to Core Axis	BEDDING PLANE PROPERTIES: STRUCTURE	CURRENT DIRECTION	LAYER PROPERTIES: PLANAR	LAYER PROPERTIES: CURVI-PLANAR	LAYER PROPERTIES: NONPLANAR	LITHOLOGY	COMPACTION DEFORMATION PROPERTIES: STRUCTURE	COMPACTION DEFORMATION PROPERTIES: TEXTURE	NOTES	% RECOVERY	NO. OF LAYER
0					76									31'-34', 99'-105': SHEAR ZONES; INDETERMINATE OFFSET		
			gy											0'-0.4', 49'-50', 52.7'-53.1', 54.0'-54.5', 116.5'-118: ROCKS ARE LIGHT GREEN.		
		15-30% ser	lv		70											
100					79											UQ 2
			tn-/gn		71						ank			191.9'-197.5', 209.5', 213.3'-214.5', LOCAL SIDERITE VEINLETS SUBPARRALLEL TO CORE.		
200		5-15% ser/phn	l/gn l/gy		71						leu ilm leu hmt leu					
					47									230'-235.5' SHEAR ZONE, INDETERMINATE OFFSET, SHEAR ZONE CONTAINS CALCITE AND QTZ. VEINLETS.		
		5-15% ser/phn	l/gn		76						hmt leu					
300					66						ank			320.3': 0.1' GOUGE ZONE, INDETERMINATE OFFSET		US 2
		5-15% ser/phn	l/gn-l/gy		70						hmt leu ilm leu hmt			363.5': PINK, HEMATITIC BANDS CROSS-CUT LEUCOXENE LAIMINAE (BEDDING)		
400			gn-tn-gy-		57				to		ilm			375.5'-393' FRACTURE ZONE; CORE BROKEN INTO FRAGMENTS COMMONLY LESS THAN 1" LONG.		
		15-30% ser/phn	l/gn		56						ilm					
		5-15% ser/phn	l/gn		64						leu			447', 466' GOUGE ZONES; INDETERMINATE OFFSET.		
500					66						leu			VITREOUS QUARTZITE PORTRAYED AS MEDIUM SAND, SERICITIC QUARTZITE AS FINE SAND.		UQ 1
		3-10% ser/phn	tn-		68						ank leu					
600		5-15% ser/phn	l/gn		76						leu			681'-682' VUGGY FRACTURE ZONE		
					64						ank leu			692.4'-693.7, 696.0'-699.4' VUGGY QUARTZ VEINS.		US 1
700		15-30% ser/phn	gn-gy-tn-l/gn		64									741.5'-743': SHEAR ZONE; PARALLEL TO SUBPARALLEL TO BEDDING; INDETERMINATE OFFSET.		
					69						ank leu					
800		3-5% ser/mus	gy-wh-l/gn		65						leu			818.3' PYRITE REPLACING MUD CHIPS.		
					60						leu			863.5', 865.8', 868.5' VUGGY QUARTZ VEINS WITH WELL-TERMINATED QUARTZ CRYSTALS		MQ
900		5-15% ser/phn	l/gn		75						leu			878' SMALL SIDERITE STRINGERS		
					70						ank leu			878' SMALL SIDERITE STRINGERS		
					68						leu			1038'-1104' ANKERITE LOCALLY TO 25 %		
1000					67						leu			1040.5'-1040.8', 1047': POSSIBLE ANHYDRITE CEMENT. PYRITE IN THIS INTERVAL OCCURS ONLY AS REPLACEMENT OF DARK GRAY (CARBON-BEARING ?) MUD CHIPS.		
		15-30% ser/phn	tn-gy-l/gn		68						leu					
					64				TO		ank leu			SKETCH OF DISRUPTION STRUCTURE AT 1071.3'		LS
1100					64						leu					
					57						leu					
			gy-wh-l/gn		63						leu					LQ
1200		3-5% ser/mus			71						leu					
					59						leu					
1300					66						leu py/cpy leu cpy leu cpy/thd					
					70						leu			1065.2', 1071.3', 1075.8': STRANGE DISRUPTION STRUCTURES, AS IN SKETCH ABOVE. PROBABLY NOT CHANNELS BECAUSE LACK SHARP BOUNDARIES.		
1400		15-30% ser/phn	gy-tn-gn-lv		73						leu					
					65						leu hmt hmt			1109.3'-1101.3': POSSIBLE GYPSUM CASTS.		MR
					64						ank leu			1169.5' POSSIBLE GARNETS BOTH BLACK AND GREEN MUD CHIPS PRESENT. PYRITE REPLACES ONLY BLACK MUD CHIPS.		?
1500					56						leu			1298.0': 1/4" SIDERITE VEIN WITH ~7% CPY, 1% PY, 5% ANK.		
1600														1304'-1304.5': THIN FRACTURES WITH LOCAL ANK, CPY.		
														1354.3'-1355.2' FRACTURE ZONE; INDETERMINATE OFFSET.		
														1441.4' SHEAR ZONE; INDETERMINATE OFFSET.		
														1440'-1480', 1516'-1548'; CORE BROKEN; THIN SHEAR ZONES COMMON.		
														1440'-1548' MAY BE KILLBUCK FAULT ZONE.		
														1340'-1468' SIDERITE VEINLETS LOCALLY OCCUR.		
														1430'-1432', 1441.5'-1447.5', 1457'-1461' HEMATITE AFTER MAGNETITE.