

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

GREENSTONE LITHOLOGIC LOG

PROJECT NO. RR-1 HOLE NO. RR-1

PAGE 2 OF

RR-1

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES									
				SAMPLE NO.									
0-6	OVERBURDEN	SAND, GRAVEL, BOULDERS.											
6-1602.	LARGELY GRN-GY, BRN, FGR, MOD-WELL FOLIATED INT. METATUFFICLOR-QTZ-PLAG-CAR- ACT -MUSC-BI- ACT -METASED-EP SCHIST WITH QTZ-CARBONATE VEINS AND SCH-SEMISCH; DISSEMINATED SUL; PLAG ALTERED; ANK/CAL=1-2, W/ LOCAL BUT DECREASING W/ DEPTH. FEL OR MAF ORIGINAL RX IS VOLCANICLASTIC-CLASTIC; TY. TUFFACEOUS TO AGGLOMERATIC, ALTHOUGH TECTONIC FLATTENING MAKES SIZE DETERMINATION DIFFICULT, ALONG WITH SIMILARITIES OF LARGER FRAGMENTS TO MATRIX. SOME FINER SILICEOUS VEINS APPEAR TO BE REKLIZED, MORE SILICIC LAMINAE (?) AND GENERALLY ARE PARALLEL WITH LAYERING-SCHISTOSITY; COARSER VEINS ARE OFTEN X-CUTTING THE SCHISTOSITY. SOME VEINS APPEAR SWEATED OUT, WITH CAL-BI-MUSC REMNANTS AT MARGINS (PRIMARILY CHL). SOME COARSER ONES ARE DEFORMED-BOUNDED, ROTATED SLIGHTLY. CARBONATE IN SCHIST GROUNDMASS FAIRLY CALCAREOUS (FIZZES READILY) WHILE VEINS ARE PRIMARILY ANKERITE-FERROAN CALCITE WITH LESSER CALCITE. FINEST VEINS-REKLIZED COMPOSITIONAL (FELTY?) LAMINAE HAVE HIGHER CALCITE/ANKERITE RATIOS THAN COARSER X-CUTTING VEINS.												
6-13.5	SCHISTOSE INT-MAFIC METATUFF.	10-13.5 WITH MINOR FOLD CLOSURES (DRAG FOLDS?) - WITH SHEARED LIMBS → ISOCCLINAL (?), FAIRLY TIGHT, LOCALLY PTYGMATIC. 25-40% MAFICS (AND DERIVATIVES), CHL, ACT, HBDE.	1/4-1/2% PY										

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

GREENSTONE LITHOLOGIC LOG

PROJECT NO. 200 HOLE NO. RR-1
PAGE 3 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		~5% COARSER QTZ-CAR (CARBONATE) VNS. ~40% FINE QTZ-CAR VNLS (COMPOSITIONAL- BEDDING LAMINA?, FELSIC TUFFACEOUS?).									
		6-9 WITH FLATTENED, COARSE LAPI. 9-13.5 FINER GRAINED, MORE LAMINATED. 9' BROKEN W/ LIM.									
13.5-18.0	INT-FEL METATUFF - SERICITE-PLAG- QTZ-CAR-ACT SCHIST (FINE) BRN-GY.	10-30% MAFICS AND ALTERATION PRODUCTS W/ TIGHTLY FOLDED CLOSURES. VEIN%, SMALLER, LESS WELL DEVELOPED FEW > 3mm VEINS; ORIGINAL SEDIMENT LESS MAFIC, SLIGHTLY COARSER THAN 16-13.5. LOCAL COARSE LAPI. LESS CALCAREOUS EXCEPT WHERE VEINS, OR ATTENUATED 2-10mm WHITE VEINS - LAMINA (METAMORPHIC RELAXATION?).	1/4-1% PY 1/4%CP								
18.0-23.5	CHL-BI-MUSC -QTZ-PLAG-ACT CAR SCHIST -INT. METATUFF -GRWKE.	FINE-MED GRAINED SCHISTOSE. GRN-GY. 18.0-28.5 W/ 10-20% QTZ-CAR VEINS - BURSTS; SWEATED OUT OF COUNTRY RX?, OFTEN WITH BI-CHLOR CONC NEAR MARGINS. 30.2-30.4 VN W/ MUSC. TOO.	1/2-2% PY 1/4-1% CP								
	CHL 10-30% BI 10-30% MUSC 10-20% QTZ 20-40% PLAG 10-15% CAR 0-5% ACT 10-20%	W/ MINOR TIGHT FOLD CLOSURES. LOOKS LIKE TWO SETS OF DEFORMED - BOUNDAGED VEINS; ONE SET MORE PARALLEL TO FOLIATION (QTZ W/ 5% CAR); SECOND SET OBLIQUE TO FOL-BEDDING W/ 10-20% CAR (~20.2'). FOLIATION WELL DEVELOPED. CP LOOKS MUCH LIKE FG. AT 20.2; 26.2.									

GREENSTONE LITHOLOGIC LOG

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
33.5-35.5	INT.-MAF METATUFF -CHLORITIC SCHIST; GY-GRN	SIMILAR TO PREVIOUS RXS, SLIGHTLY MORE CHLORITIC. ONLY 5% QTZ-CAR VNS AND SEGREGATIONS. FEW COARSE LAP1, ESPECIALLY 34.5-35.5, MUCH FLATTENING.	1/4-1 PY 1/4-1/2 CP								
35.5-60.2	INT. METATUFF -SCHIST W/ MAG GRAINS	GRN-GY, GY-GRN T4-LAP1 T4 W/ 1-5% MAG GRAINS (TO 1mm), HBDE XLS (0-10%) 35.5-43 V. FGR - PHYLLITIC, DK GRN-GY CUT BY HAIRLINE CAR VNS (WITH SOME SERICITIZATION?); WITH FINE MAG GRAINS. 43-60.2 ORIGINAL FRAGS COARSEN (?) DOWNWARD; ALSO MORE SCHISTOSE. 43-50.3 W/ MAG GRAINS. VNING MINOR ~5%; QTZ-CAR-MUSC-BI. 2" QTZ VERN AT 53' (<5% CAL-ANK). 48', 51.5' 1-2 CM ALTERED (EP-ANK) TUFF → VNING?, BRECCIATION. MAG OCCURS AS SCATTERED GRAINS -ROUNDED TO SQUARE (ONE HEXAGONAL) X-SECTION → ALTERED SULFIDES? → PORPHYROBLASTS? PHENOCRYSTS??? EMBAYED LOCALLY. 10-35% MAFIC MINERALS + ALT. PRODUCTS. CAR → MOSTLY Fe CAL W/ LESSER CAL AND ANK.	1/4-1 PY 1/4-1/2 CP								

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MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

PROJECT NO. 210 HOLE NO. RR-1

GREENSTONE LITHOLOGIC LOG

PAGE 5 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		50.3-52 MAG AND ACT-HBDE WITH INCREASING ACT-HBDE DOWNWARD; DECREASING MAG DOWNWARD; SIMILARLY 52-55; AMPH. PHENOCRYSTS? METAMORPHIC? OR COMBINATION. 55-60.2 w/MAG GRAINS.									
		57.7 2cm QTZ-CAL VEIN, w/ 1% PY, 2% PO, 2% CP.									
		56-59 w/ SCATTERED, IRREGULAR EP-CAL- ANK VEINS (?), 1-16 mm ACROSS; PARALLEL WITH FOL; OFTEN WITH SCATTERED SPOTTCHES OF CP-PO WHERE X-CUTTING THIN (1mm) QTZ-CAL -ANK VEINS INTERSECT.									
60.2-271.5	INT METAM- METALAPI TU w/MAG; AMPH.	PREDOMINANTLY INT WITH SOME FELSIC AND MAFIC (MORE FELSIC THAN MAFIC); OCCASIONALLY COARSE > 2 cm. SCATTERED QTZ-ANK-CAL-MUSC VNS AND BURSTS; 2-10% OF RX; SOME REKLIZED TH; OTHERS SWEATED OUT LEAVING CHL REMNANTS. RX IS WITH MAG AND/OR HBDE GRAINS; MAG TO 1 mm; REPLACING SULFIDES? SECONDARY? OFTEN CUBIC TO ANHEDRAL, EMBAYED. HBDE TO 3mm; PHENOCRYSTS WITH META. OVERGROWTHS?; SOMETIMES STUBBY, SOMETIMES ELONGATE ALMOST FIBROUS (ACTINOLITE?, SILLIMANITE?). INTERVALS WITH MAG GRAINS (SOMEWHAT MAGNETIC ALSO): 60.2-69 VERY FEW + SMALL;	1/4-1% CP 1/2-2% PO, PY								

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

PROJECT NO. 210 HOLE NO. RR-1

GREENSTONE LITHOLOGIC LOG

PAGE 6 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		69-73, 5%, SOME TO 1mm; 78.5-83 1-2% SCATTERED; 112-114 2%; 124-129 1%; 144.6-147 2-3%; 153.5-158 1-3%; 180.6-188.5 1-3%; 269-270 <1%.									
		HBDE XLS (PHECRYS? PORBLS? COMBINATION) IN INTERVALS 61-69.4, 71.4-83 LARGELY PORBLS; 85.6-87.6; 89-91; 95.7-96.0; 97.5-99.8; 102.7-105.2; 107-109.0; 110.2-111; 111.8-114; 118.7-129; 133-140; 142.6-160.3; 161.5- 164.6; 171.5-188.6; 194.9-197.2 (w/FEW, TO 1 CM IN SIZE, BOUD. AND w/UNDULATORY CLEAVAGE); 201-213 LOCALLY; 215.5-218; 220-239 FEW LOCALLY; 239-243 ABOIT; 247-254.3 ABOIT; 256-259 MOD- ABOIT; 260.4-261.8 MOD ABOIT; 263-264; 265.5-271.5 MOD-ABOIT. RECOGNIZABLE COARSE LAPY IN INTERVALS 60.2-83.5; 87-101; 118-149; 153-180?; 191.5-256.5; 260-271.5.									
		MORE HEAVILY VEINED w/ QTZ, ANK, CAL, MUSC IN INTERVALS 82.5-86; 93-94.5; 104.5-115; 127-130.7; 151-157; 162-166; 199-203; 217-220; 227-231; 243-249; 261.5-262.5.									
		1-2mm SCHEELITE? MASS? WITHIN QTZ-CAR VEIN AT 104.6.									
		106.2-106.5 FRACTURES w/ FLUORESCENT OR-PINK CALCITE, CENTRED AROUND CAR CEMENTED BRECCIA. ALSO =									

GREENSTONE LITHOLOGIC LOG

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		SCATTERED MINOR FOLD CLOSURES THROUGHOUT.									
		POSSIBLE BASALTIC ? ANDESITIC DYKE ?? 184.2 - 186.3.									
		SULFIDES DISSEMINATED?									
		TUFF w/ HBDE TENDS TOWARD HIGHER AMOUNT CP.									
		VEINS w/ SUL GENERALLY IS PO AND CP (ALWAYS MINOR AMOUNTS).									
		DISSEMINATED SUL V FG, < 1/4 mm.									
		187-192 FAIRLY SILICEOUS TUFF; KINKED w/ MINOR PRECIPITATION.									
		120' 1mm QTZ-CAR-PO-CP VN ~ 20% PO, 5% CP.									
		MINOR EPIDOTIZATION 151.6-152, 185.									
		CHL MASSES ADJACENT TO SWEATED OUT QTZ-CAR VNS IN INTERVALS 147-154, 191-271.5 FOR MOST PART.									
		1 cm Euhedral Chlorite Porbl within CHL mass at 151.									
		Rx BECOMES MORE BIOTITIC WITH DEPTH (DETITAL CLAY SOURCE?), NOTABLY BELOW ~215; BUT FINE GRAINED (MINERALOGICALLY) DIFFICULT TO TELL FROM MORE FELSIC ? TUFF.									

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MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

GREENSTONE LITHOLOGIC LOG

PROJECT NO. 210 HOLE NO. RR-1
PAGE 8 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		HLF COMMON, BUT LOCALLY ABLT AS IN 190-194, 247-252; USUALLY CAR FILLING (CAL), LOCALLY PSEUDOBRECCIA.									
		253.3' 3mm CP BLEB IN QTZ-ANK VN.									
271.5-329.8	METATU w/ MAG LAM	GRN-GY META TU - META LAPI TU; INT w/ LESSER MAFIC AND FELSIC TU. MAG LAM SCATTERED TO ABUNDANT; APPEAR SYNGENETIC → SEDIMENTARY? OR METAMORPHIC? ORIGINALLY SUL ??? V. FGE. CHL RELATIVELY ISOLATED OX. LAM. AT 271.6 (w/CHL); 273.6 (w/CAL); 274-274.5, SCATTERED (w/CHL); 277.5 NEAR CHL-HBDE LAPI?; 305.3 NEAR CHL-HBDE; 306.5; 309.4 IN 1.5 CM FELSIC TUFF BED?; 311 w/ FELSIC LAM; 311.2 AT CONTACT OF WHITE FELSIC - LAM? VN? w/ CHL-HBDE RX; 311.8 SAME AS LAST; 321.2 IN FELSIC LAM WITHIN CHL-HBDE RX; 322.3 AT VN-CHL CONTACT; 323.4 IN MIXED FELSIC-CHL LAM; 329.8 IN FINE FELSIC LAM. INTERVALS w/ HIGHEST AMT MAG 275.5-276.5 w/ SEVERAL 1 CM WIDTHS WITH 80% MAG; 279.8-281.2 WITH MORE EVENLY DIST. V. FN LAM. (INTERVAL w/ 10-15% MAG); 284.5-285.9 w/ V. FN LAM, FEW 1-3 MM LAM, ALSO ~10% MAG.	1-5% PY, PO 1/4-1/2% CP								

X

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

PROJECT NO. 210 HOLE NO. RR-1
PAGE 9 OF

GREENSTONE LITHOLOGIC LOG

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		SOME SUL VISIBLE (MAG/SUL ~ 10?) BUT BOTH V.FG. MAG IS MORE INTIMATELY ASS. W/ WHITE, MORE SILICEOUS LAM., ALTHOUGH CHL-HBDE MATERIAL OFTEN V. CLOSE. NO DEFINITE RELATION W/QTZ-CAR VNS. MORE HEAVILY VEINED AREAS 275-275.5 (W/CHL SEGREGATION); 278.4-279; 281-284; 290-293; 311.5-316.5. VN AT 278.6 W/PINK FELDSPAR. COARSE LAP? 271.5-288; 290-329.8? DIFFICULT TO TELL → STRETCHED CLASTS LOOK LIKE ATTENUATED BEDS. LOW Fe CAL VNS → FLUORESCENT PINK-OR 297-297.5; 301; 314.2-314.8; 318.5-318.7. HBDE PORBL OR PHECRYS LOCALLY WITHIN 271.5-287; 300-313; 315-324.5; 329-329.8. SOME BROKEN, BOUDINAGED (BRITTLE DEF.). VN CAR W/CURVED CLEAVAGE. CAR CONTENT W/IN SCHIST IS ~5%, BUT LOCALLY HIGHER IN MORE FELSIC TUFFS AND MAG LAM. SLIGHTLY HIGHER 282.5-284, 326-328. TUFF HAS SLIGHT RED (OXIDIZED?) — COLOUR 326-326.2. 323.1-323.4 QTZ-PY-CAL VN W/5% PY.									

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

PROJECT NO. 210 HOLE NO. RR-1

GREENSTONE LITHOLOGIC LOG

PAGE 10 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
329.8-477	INT. TY w/ MAF-FEL TY INTERLAM; NOW QTZ-BI- SER-CHL-PLAG- CAR-AMPH SCHIST- SEMISCHIST w/MAG-GRAINS.	MED GY BRN AND GRN-GY SCHIST; IRREG. LAM; GENERALLY INT-FEL w/ SOME MORE CHL-AMPH MAFIC SCHIST. LESS MAFIC (CHL AND AMPH) THAN PREVIOUS UNIT, AND DECREASING w/ DEPTH. MORE DISTAL FELSIC TUFF AND/OR DETRITAL CLAYS IN SED. PILE w/ DEPTH. SCATTERED HLF w/ FLUNT OR-PINK CAL BELOW 427.5; AND 373-374; 396.4. LOCAL WHITE CAL TUFF LAM w/MAG AT 354; 356.2; 356.6; 365.1; 369.1; 392.4; 399.6; 400.3; 409.8; 410; 411.8; 412.1; 416.9; 425.5; 427.7; 439.7; 454.4; 459.8; 461.5; 471. 5-10% CGR QTZ-CAL-BI-MUSC VNS. THE FOLLOWING INTERVALS MORE HEAVILY VEINED: 329.8-331; 332-333; 368-372; 390-395; 398-401.5; 403-407; 410-417; 430.5-438; 456-462; OFTEN w/ CHL SEGR. SCATTERED MINOR FOLD CLOSURES. CORE FAIRLY BROKEN 431-438. HBDE PORBL-PHECRYL LOCALLY WITHIN 329.8- 370.5; 375-386; 386-479 w/ REL FEW: (MAF TY). LOCAL COARSE LARI(?) 329.8-333; 337-345; 346-372; 381-421.1; 436-460; 465-479; DIFFICULT TO TELL FROM BOUNDINAGED LAYERS. BRNISH FELSIC TUFF? 333-337; 345-346; 372-381; 414-416; 421.1-432; 435-436; 443-451; 463-465.	1-5% PY+PO 1/4-1% CP								

GREENSTONE LITHOLOGIC LOG

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		LOCAL GARNETS (PINK-RED ALMANDINE) 376-378.5; 383.9-384.3; 422.9-423.5; 440-441; GARNETS ~1-2 mm, OFTEN ELONGATE WITH FOLIATION.									
		LOCAL ZONES OF V. FINE X-CUTTING HLF WITH SERICITE?-ARGILLIC? ALT; NOTABLY 331-336; 359-362; 365-369; 372-374; 379-381; 403-405; 410-416; 428-436; 443-450; 463-466; → DIFFERENTIAL RESPONSE TO FOLDING; SLIGHTLY HIGHER SUL (DISSEMINATED). PSEUDO BRECCIA TO SLIGHTLY BRECCIATED.									
		MINOR PINK K-SPAR(?) IN SOME QTZ- CAR-MUSC-BI VEINS AS AT 342, 362, 475, 476.									
		BRECCIA AT 372.1-372.2, 443.5, 456.9-457.1.									
		CARBONATE LARGELY ANK-FERROAN CAL, WITH LESSER CAL.									
		UNIT AS A WHOLE - FAIRLY ALUMINOUS -MICACEOUS → FROM TUFFS OR DETRITAL CLAYS. DIFFICULT TO DISTINGUISH FLATTENED COARSE VOLCANICLASTS FROM BEDS. IF BEDS ARE MORE NUMEROUS, THEN VOLCANIC SEDIMENTATION MAY BE QUITE EPISODIC.									

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

PROJECT NO. 210 HOLE NO. RR-1

GREENSTONE LITHOLOGIC LOG

PAGE 12 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
477-764.3	QTZ EYE SEMISCHIST.	FINE-MED QTZ EYE SCHIST - SEMISCHIST; MED-DK BRN-GY BRN TO PALE GRN GY (ALTERED). QTZ EYES OFTEN BLUE. MATRIX FINE GRAINED SILICEOUS-MICACEOUS W/BI(?), SER(?) TALE, ACT; LOCAL CHL; PLAG? QTZ EYES 1-2 mm IN GENERAL; FEW LARGER MASSES PROBABLY BOUNDARIED VNS. MUCH FLATTENING → DISTORTING TEXTURES. OFTEN WISPY SER(?) FRAGMENTS → GLASS SHARDS?? ORIGINALLY. SILICIC TUFF, AND, OR DISTAL REWORKED TUFF. VERY MINOR CHL INTERVALS (INT-MAFIC TUFF?). RX AS WHOLE HAS VERY LITTLE VEINING. ORIGINAL SEDIMENT ONLY RARELY COARSE GRAINED; COMMONLY LAMINATED. COMPOSITION?; DACITE TO RHYODACITE W/ MINOR ANDESITE.	0-1% AVG PY								
		MINOR HLF W/CAL NOTABLY 477.5 - 488 (W/MINOR PYRITEHEDRONS, NON FLUORESCENT CAL); 584-594 (NON FLUENT); 607-615 (NON FLUENT); 633-638 (FLUENT OR-PINK); 719-728 (NON FLUENT).									
		LOCALLY COARSE GRAINED LAPPI-BLOCKS? 619-632; 657-701.9; 705-711; 721-727; 749-757; 762-764.3 (DIFFICULT TO SEE AND DISTINGUISH).									
		477-478 SOMEWHAT CALCAREOUS (~5% CAR), WHILE REST OF UNIT <1% CAR EXCEPT FOR VNS.									

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

GREENSTONE LITHOLOGIC LOG

PROJECT NO. 210 HOLE NO. RR-1
PAGE 13 OF

524.5
525.2 493.7

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		MINOR MORE CHL RICH AREAS (MAFIC TUFF?) 701.5-704.5; 657.2-657.7.									
		CORE SOMEWHAT BROKEN 478.5-488; 504-518; 548-554; 582-603; 659-662; 719-725; 700-703.									
		LOCALLY CUT BY MULTIPLE X-CUTTING HLF W/ LT. GRN ALTERATION → SER, EP, ACT?, CHL?, TALL? (WITH PSEUDOBRECCIATION AND BRECCIATION); INTERVALS 491-494 (MINOR); 497-502; 507-518 (MINOR); 526-529; 539-540; 543.5-547; 548-549; 551-561 (MINOR); 562-564; 565-595 (DISCONTINUOUS); 595-606 (REL. MINOR - DISCONTINUOUS); 606-618 (V. MINOR); 626-632 (MINOR); 632-634; 634-638 (MINOR); 643-649; 649-656 (MINOR); 675-679; 688-700; 705-706; 718-720 (MINOR); 720-744; 746-752 (SPORADIC); 755-764.3.									
		LOCAL BRECCIATION WITHIN THESE ZONES AT 493.7; 524.5; 525.2; 545; 557; 587.1; 588-589; 594.2; 602.7-602.9; 614; 619; 632; 643; 653.2; 697-698; 699; 728.1; 733.8; 739.5-739.9; 757.2; 762-762.1.									
		MINOR FOLDS-KINKS (USUALLY WITH ABOVE ALTERATION, OFTEN W/ MINOR BRECCIATION) 517.3; 588.2; 588.5; 589; 601.2; 607.1; 619.1; 631.6; 643; 643.6; 650.1; 654.4; 655.2; 656; 664.2; 666.6; 668.2; 696.1; 731; 743.5; 743.8; 760.8; 748.									

GREENSTONE LITHOLOGIC LOG

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES									
				SAMPLE NO.									
478-491		SOMEWHAT MORE SCHISTOSE -ALUMINOUS; ALSO WITH MINOR RED HEM STAINING; ESP. W/ HLF W/CAL → LOCAL OXIDIZING SOLUTION?? ALSO 609.1? → KSPAR PINK. VEINING MINOR IN GENERAL 515-516, -1mm QTZ-ANK-MUSC-PY VN; 525.5 1mm QTZ VN; 523 1-20mm QTZ PLAG-PY BOUDINAGED VN; ALSO AT 542.4; 543; 547.7; 548.5-549 W/KSPAR, MUSC ALSO; 606.6 QTZ+ANK; 616-627 W/ FEW SMALL QTZ-ANK BURSTS-BLEBS; 625.1 1-12mm QTZ-ANK VN → BOUDINAGED; 636.3-636.9 BROKEN UP, DEFORMED QTZ- ANK-PY VN W/MUSC/CHL/BI; ALSO AT 636, AND 639.5-639.6; ALSO AT 657.3- 657.4, 657.5, 661-665 SCATTERED, <5% OF INTERVAL; 702.6-704.3 W/QTZ-CHL -PY VNS → BOUDINAGED IN MAFIC INTERVAL; 704.3 TO 704.3 W/ FEW QTZ VEINS W/LITTLE OR NO CAR OF ANY KIND, WITH MINOR PY WHERE VN IS NECKED, LARGEST VN AT 720.6-720.7, REST ≈ 2cm. WHAT LITTLE CAR IN VEINS IS ABOVE 704, BUT IS STILL ONLY 10-15% OF VEIN. ESSENTIALLY ALL ANKERITE. EXCEPT FOR 515-516, ALL VEINS ARE FAIRLY EARLY, AND HAVE BEEN ROTATED AND BOUDINAGED WITH DEFORMATION. VEINS W/ TO 3% PY. LITTLE IF ANY PY THROUGHOUT RX (AVG <1%); EXCEPT FOR VNS. MAFIC INTERVALS W/~2% PY; 1/2-1% CP.											

M-414B 2/74

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

PROJECT NO. 210 HOLE NO. RR-1

GREENSTONE LITHOLOGIC LOG

PAGE 16 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		DISRUPTED - BOUNDARIED QTZ VNS (w/ TR. ANK). FOLIA WELL DEVELOPED. FINE GRAINED; ORIGINAL CLASTS HOWEVER TO ~2 cm ?? BEFORE FLATTENING. V. LITTLE CAL. GRADUAL BASAL CONTACT.									
		767.0 - 778.2 MED GY - BRN GY REWORKED SILICEOUS TUFF - GRNKE w/ QTZ EYES. MILA PRESENT (~30%?) IS BI-SER. UNIT FAIRLY MASSIVE; SCHISTOSITY POORLY DEVELOPED; SEMISCHIST AT BEST.	1/4-1% Py								
		778.2 - 829.7 MED BRN - PALE GY/BRN BIOTITE - SILICEOUS, GENERALLY LAMINATED SEMISCHIST, LITTLE CHL. ORIGINAL SEDIMENT - TUFF FGR, FINELY LAM EXCEPT 801-809, 814-829. MORE MASSIVE; AND 809-815, 820-829.7 COULD HAVE ATTENUATED, FOLDED LAM. OR COARSER CLASTS. LOCAL DEFORMED QTZ - ANK SEGREGATIONS - VNS AND FOLD CLOSURES. S-L TECTONITE WEAKLY - MOD DEVELOPED. MOST SULFIDES IN - NEAR VNS. WHITE LAM WITHIN BIOTITE, FAIRLY CALCAREOUS 778.2-790, LESS SO 808-813. 802-808 w/ HLF X-CUTTING w/ EP-SER ALT; ESP. 804-805.	1/4-1/2 PY TR. CP								
		829.7 - 880.7 MIXED FOLDED - LAM BRN - GRN - WHITE BI - CHL - SIL SCHIST w/ HBDE. LOCAL FOLD BRECCIAS 830.5 - 840; 842.7 - 846.7; 846.7 - 880.7 SCATTERED; WHERE LAM. FOLD FRAGMENTS HAVE BEEN JUMBLED. S-L TECTONITE FAIRLY WELL DEVELOPED. FEW SCATTERED PO-CP 1mm BLEBS. ORIGINAL GRAIN SIZE ?? BRECCIATED AREAS MORE L TECTONITE. NON BRECCIATED MORE S TECTONITE.	1-2% PO-PY 1/4-1% CP								

GREENSTONE LITHOLOGIC LOG

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		QTZ-ANK VNS ALSO FOLDED - BRECCIATED. LOCALLY INTERVAL QUITE AMPHIBOLITIC QTZ/ANK ~ 10, IN VNS. MINOR CAL IN HLF (LATE).									
		880.7 - 886 MED GY-BRN BIOTITIC SILICEOUS SEMISCHIST, FAIRLY MASSIVE. PY FINE-MED GRAINED. FEW DEFORMED QTZ VNS. 883.9 HAS IMM TENSION VN W/ MUSC, PLAG, HBDE. BRECCIA AT 853.9 (PHACOIDAL), AND BRECCIATED (CAL CEMENT) QTZ VN.	1/4-1/2								
		886 - 922.9 LAM. BI-SIL-CHL SCHIST - SEMISCHIST; LOCALLY MASSIVE, SIL 897-899, 908-910, 915-916. SOME SED. LAM, HOWEVER MUCH IS PROBABLY COARSER ELASTICS - VOLCANIC ELASTICS, THAT HAVE BEEN ATTENUATED. LOCAL BRECCIATION 893.4 - 895; 903-907.5; 912-920.	*1/4-1 PY-PD TR-CP								
		*EXCEPT 899.5 - 907.5 WITH 2-5% PD (SOME PY?) AND 1/2-2% CP. ALSO 912-922.7.									
		X-CUTTING HLF W/ EP-SER ALT AT 903-903.7 W/ BRECCIATION AT 903.2-903.4.									
		912-922.9 LOCALLY V. AMPHIBOLITIC.									
		LOCAL, GENERALLY STEEP (LOW ANGLE) HLF, W/ CAL, SOME PY; LATE ~ CUT EVERYTHING. FLUORESCENT PINK-OR 788.5-788.8; 789.7-789.8; 794.5-795.7; 798-798.3;									

GREENSTONE LITHOLOGIC LOG

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		797-797.1; 805.2-805.8; 804.3- 804.5; 820-822; 827.5-830; 834-834.2; 873; 882.6; 898. VERY MINOR MAGNETIC BLEBS-LAM; MAGNETITE UNLESS NOTED: 766.6; 785.5; 796.6; 796.9; 797.2; 797; 815.1; 910 w/PO, MAG, APY??; 901.9 w/PO, MAG; 921.1 w/PO? MAG. APY?? → NOT QUITE LIGHT COLOURED ENOUGH. 782-898 MANY SMALL FOLD CLOSURES. MINOR EPIDOTE 808.3. 810.3 3 cm BLOB OF FOLD BRECCIA. 922.9-958.1 CHL-INT SCHIST. MED-DK GRN - GY GRN FGR CHL-TLC-BI- PLAG-SER?, SOMEWHAT SILICEOUS SCHIST 1/2-2% w/ MINOR SILICEOUS VNS - MASSES. PY-PO ORIGINAL RX ANDESITIC? LITHIC TUFF. 1/4-1/2% INT-MAFIC? CP ATTENUATED LAM, OR CGR CLASTS. GOOD PLANAR FABRIC. LOCALLY VERY CHLORITIC. PO MASS BETWEEN FRAGS-CLASTS AT 927; 933; (SLIGHTLY MAGNETIC). IN GENERAL, LESS CHL SUL W/DEPTH. HARDLY ANY (<1-2%) CAR IN SCHIST OR VNS. 956.3-958.1 w/ 1-2mm CAL-PY-ARG-VNS.									

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

GREENSTONE LITHOLOGIC LOG

PROJECT NO. 210 HOLE NO. RR-1
PAGE 19 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		THESE VNS LATE; PARALLEL W/ CA; UNFOLDED. CALLITE FLINT RED-OR. QTZ-BI-PY (TR) MASSES - BOYD VNS, MAKE UP ~5% OF RX. LOCAL CGR LAP 944-958.1.									
958.1-996.5	SILICEOUS SEMISCHIST.	LT-MED GY FGR-MGR SIL SCHIST W/ SER, BI, PLAG. FAIRLY MASSIVE, ORIGINALLY SILICEOUS GRWKE-REWORKED TUFF? COULD BE REXL LITHIC TU, SOME VAGUE OUTLINES OF CGR CLASTS? 975 W/ MINOR IRREG BREC. FEW QTZ EYES; NO APPARENT GRADED BEDS. FINELY DISSEM SUL; LOCALLY HEAVIER NEAR HLF. 958.1-968 W/ HLF W/ CAL, PY, ARG; LATE; STEEP; ~UNDEFORMED. S-L TECTONITE; S PREDOMINATES. FEW MINOR FOLD CLOSURES.	1/4-2 PY-Po?								
996.5-997.5	META PICRITE ? DYKE?.	MED-DK YLLW GRN, ALTERED, OXIDE - SULFIDE BEARING META PICRITE? COULD BE TROCTOLITIC-GABBROIC; INT TU?? GENERALLY FINE GRAINED, FAIRLY MAGNETIC. 5% PO-PY 5% MAG 75% OV? SERPENTINIZED-EPIDOTIZED 15% QTZ-ANK VNS	5% PY- PO 5% MAG? 1% CP?								

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

GREENSTONE LITHOLOGIC LOG

PROJECT NO. 210 HOLE NO. RR-1

PAGE 20 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		STEEP HLF w/ FLUNT CAL, PY; LATE, WITH OFFSET OF QTZ -ANK VNS. BIOTITIC AT CONTACTS.									
997.5-1006.5	BRECCIA - PSEUDOBRECCIA ZONE.	MED-LT GY SILICEOUS SCHIST BRECCIA. FRAGMENTS OF MED GY SILICEOUS SCHIST; GENERALLY SUBANGULAR-ABRADED; SIZES TO 6 CM.; SOME SLICKENSIDES, GENERALLY POORLY DEVELOPED; RX FAIRLY MASSIVE; SOME ORIENTATION OF FRAGS. MATRIX v. LT. GY, SILICEOUS; MUCH REXLIIZATION.	1/2% PY								
		BRECCIATED 997.9-1002.8; 1003.7- 1003.9; REST PSEUDO BRECCIATED.									
		INCREASING PO-CP-PY INTO PSEUDOBRECCIA FRACTURES AT DEPTH. SLIGHTLY MAGNETIC 1002.9; 1004.5. 104-106' w/ 1/2-1% CP; 2-5% PO-PY POSSIBLE FG AT 1004.3?									
		CLAYEY 1CM MYLONITIC 998.9. 1006-1006.5 MYLONITIC?									
1006.5-1295	INTER LAM - BEDDED SEMI- SCHIST.	MIXED CHL-SIL-BI-CAR SEMISCHIST - SCHIST; INTERLAM-BEDDED CLASTICS AND VOLCANICLASTICS w/ POSSIBLE DYKES AND FLOWS. LOCAL QTZ-CAR VNS-MASSSES. COLOURS FROM MED-DK BRN, GRN, GY TO PALE GY-WHITE. IN GENERAL RX FAIRLY MASSIVE WITHOUT GOOD FOLIATION, AND OR LINEATION. GENERALLY FGR-VFGR; MUCH REXLIIZATION.									

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MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

PROJECT NO. 210 HOLE NO. RR-1

GREENSTONE LITHOLOGIC LOG

PAGE 21 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
1006.5-1018.1	GY SEMISCHIST	1006.5-1018.1 MED GY SIL SEMISCHIST w/BI (20%). PARENT RX FOR PREVIOUS BRECCIA; WITH LOCAL PSBREC-BREC 1015-1018.1. GOOD LINEATION. MICAS WELL ORIENTED, BUT DOESN'T PROVIDE GOOD SCHISTOSITY. MINOR CAL ALONG HLF.	1/2-1% PY-PO 1/2% CP								
1018.1-1019.8	GRN SEMISCHIST	1018.1-1019.8 MED GRN EP-CHL-SIL-BI SEMISCHIST. INT-MAF TUFF? INTRUSIVE? PROBABLY TH. ORIGINAL TEXTURE ?? UP TO 20% BI.	2-5% PY-PO 1/4%CP								
1019.8-1027.3	MIXED SEMISCHIST	1019.8-1027.3 MIXED-LAM GY-BRN-GRN SEMISCHIST; PARTIALLY TUFFACEOUS AND GGR? (ORIGINALLY), ~1020-1025.5? NUMEROUS THIN LAM w/PO-MAG FINELY DISSEM. 1019.8-1024.3; SOMEWHAT MAGNETIC. 1025.5-1026.8 w/SCATTERED MAG PORBL?; USUALLY IN MIXED SIL- CHL RICH AREAS. FEW <1 mm FLUNT PALE OR GRNS w/ FLUNT WH HALOS ~ZIRCONS?? AT 1025.5. 1023.7 - QTZ-CAL-BI MASS; SULPHUR ODOR WITH HCL.	1/2-1% CP 2-5%PO 1%PY								

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

GREENSTONE LITHOLOGIC LOG

PROJECT NO. 210 HOLE NO. RR-1
PAGE 22 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
1027.3-1029	BREC VN.	IRREG MIXED - BREC QTZ-CHL-HBDE-ACT VN w/ MINOR CAL, FERROAN CAL, ANK AND CPO (2%), CHL, BI? 50-60% QTZ. 1030.6 w/ 1cm CP MASS. LOCAL GOOD SLICKS (OBLIQUE).	2%PO 2%CP								
1029-1041.7	LAM SEMI- SCHIST.	FAIRLY SILICEOUS, BRN, GY, GRN LAM; QTZ-BI-CHL-PLAG-HBDE SEMISCHIST. 1029-1035 FAIRLY CHL-HBDE RICH, GRN, MINOR MAG-PO LAM TO 1036. SCATTERED MAG PORBL TO 1034.5. TUFFACEOUS AT LEAST IN PLACES.	1/2-2% PO-PY 1/2% CP								
1041.7-1061	GRN-CHL-SIL SEMISCHIST- PHYLLITE.	FGR-VFGR INT-MAFIC CHL SEMISCHIST; LOCALLY SIL.; TUFFS. MUCH AMPH LOCALLY. POSSIBLE METAGABBRO? DYKE 1057-1061; FLOW??? MED GRAINED EP-AMPH.; NON-MAG OXIDES ~5%?? VFGR. RX SEMISCHIST TO ALMOST PHY. 1046.4-1046.5 QTZ-TOU-HBDE VN w/ 40% TOU, 30% QTZ, 5% PY; 30% HBDE. 1058-1061 w/ 15% COARSE QTZ-CAL VNS. 1054-1055.5 w/ MINOR FOLD CLOSURES. SOMEWHAT CALCAREOUS 1031-1035, 1041-1048, 1057-1061.	1/4-2% PO-PY DECREASE DOWNWARD. TR CP								

GREENSTONE LITHOLOGIC LOG

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES									
				SAMPLE NO.									
1061-1077	LAM-SEMI-SCHIST.	GY-GRN-BRN LAM SIL-CHL-BI SEMI SCHIST. FGR; TUFFACEOUS SED?	1-3% PO-PY 1/4-1 CP										
		LOW ANGLE TO CA 1064-1066; 1067-1069; 1071-1072.5. FOLD CLOSURES.											
		1073.1-1077 MED GRAINED EP-QTZ CAL-PLAG-CHL SEMISCHIST W/ 2-7% PO, 1/2-2% CP, 5% OXIDES; REL. NON-MAG. W/ FEW IRREG QTZ-CAL-PO-CP VNS. DYKE??											
		1063.9-1064.1 SIL-BI-AMPH?-TOY SCHIST-MYLONITE W/ PALE GRN GAR??											
1077-1091.5	GRN-CHL-AMPH SEMISCHIST -SOMEWHAT LAM.	V. FINE-FGR, FAIRLY MASSIVE, DENSE, CHL-AMPH-PLAG-QTZ SEMISCHIST; ~MAFIC TY; LOCALLY SOMEWHAT MORE SILICEOUS. 5-10% V FGR OXIDES? NON MAGNETIC. SLIGHTLY CALCAREOUS. S. LOW ANGLE TO CA LOCALLY. FOLD CLOSURES. 1086.4 4mm BRECCIA ZONE.	1/4-1/2 PO-PY TRCP										
1091.5-1114.7	MIXED-LAM AMPH-SIL-CHL-BI SEMISCHISTS.	MIXED-LAM GRN-PALE GY-BRN (INTERBEDDED) AMPH-CHL-SIL-BI SEMISCHISTS. CAL. LOCALLY. MOSTLY TUFFACEOUS; SOME SEDIMENTS. GENERALLY INT TY; HOWEVER LOCAL SIL (RHYODACITE??) TY AT 1102.6-1102.8; 1107.3-1108.3; 1109-1109.3; 1112.8-1114. FAIRLY CHLITIC LOCALLY: 1095-1101; 1109.9-1102.7; 1104.3-1106.8 WITH HIGHER SULFIDES LOCALLY.	1/2-2% PO-PY 1/2% CP HIGHER W/ CHL -AMPH ZONES 5% PO										

GREENSTONE LITHOLOGIC LOG

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES									
				SAMPLE NO.									
		LOCAL CGR LAP, ESP 1092-1093.5 w/ CAL INTI.											
		FEW SCATTERED BLK CHT? - MAC LAM; VFGR; WK-MOD. MAGNETISM.											
		FEW SCATTERED STEEP HLF w/ FLUNT CAL; AND, OR PY TO 1096, 1108-1111.											
		FLUORESCENCE NOT CHECKED BELOW THIS INTERVAL.											
1114.7-1156.2	INTBDDD G-Y SIL AND GRN CHL-AMPH SEMISCHIST.	WHITE-M.G-Y SILICEOUS SCHIST w/ MINOR BI, INTBDDD w/ GRN CHL-AMPH SEMISCHIST ; FGR, RELIEXED, EXCEPT AMPH, CHL. ; MORE MIXED AND BI RICH 1131-1134, 1138-1141. SILICEOUS SEMISCHIST (GRWKE) 1123.5 - 1131; 1152.2-1156.2. GRN CHL-AMPH SEMISCHIST (MAF-INT METATUFF) 1114.7-1123.5; 1134-1138; 1141-1152.2. MUCH ACT; WITH POOR, IF ANY, ALIGNMENT. LOCAL BRECCIATION HIDDEN BY RELIEXATION? * 1131-1134 w/ UP TO 5% PO, 1/2% CP WITH IRREG MASSES TO 1CM; FAIRLY MAGNETIC. SCATTERED FOLD CLOSURES AND INTERVALS PARALLEL TO CA. VERY LITTLE CAR (1-2%); MOSTLY IN HLF w/ PY. 1132.5 TRACE FG	1/4-2% PO-PY* 1/4% CP										

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

PROJECT NO. 210 HOLE NO. RR-1
PAGE 25 OF

GREENSTONE LITHOLOGIC LOG

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE	ANALYSES									
			%	SAMPLE NO.									
1156.2-1295	LAM SIL-BI-SER-CHL-AMPH SEMISCHIST.	MIXED-LAM GY-BRN-GRN SEMISCHIST; SIL, CHL, BI, SER, AMPH SCHIST; METATUFFS AND TUF SEDIMENTS. ~ FINE GRAINED. OFTEN FINELY LAM; MANY FOLD CLOSURES, OCCASSIONLY BREC; MUCH CORE AT LOW ANGLE TO CA. AMPH WITHIN CHL AREAS; PORBLS. 1161-1167 SOMEWHAT MIXED, BROKEN, BREC?; w/ LOCAL HBDE? TOU?; QTZ AND ANK-CAL BURSTS (CAL RIMMED ANK). 1167-1169 VERY CHLORITIC, BREC??; REXLIIZED. 1175-1176 HLF w/ PY, CAL, 1280-1282. 1183-1187.5 w/ DEF QTZ VNS-BURSTS w/ PO-CP; FAIRLY SIL.; ALSO 1256-1257.5 CORE AT LOW ANGLE 1189-1190, 1203- 1250; 1276-1295. 1186-1189 CHL-AMPH w/ 2-3% PO, TR CP (SULFIDES INTI TO AMPH). 1242-1251 FAIRLY SILICEOUS; ALSO 1260-1269; 1275-1286. IRREG QTZ BURSTS; ASS w/ FOLD BRECCIA; OFTEN w/ AMPH. 1201.5-1202.5; 1215-1216; 1217-1218; 1225-1227; 1232- 1236; 1236.5-1238; 1241.3-1252; 1255- 1257; 1258.3-1259.5; 1271-1274; 1281- 1291.5.	1/4-1% Po-Py -1/4 CP 										

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

GREENSTONE LITHOLOGIC LOG

PROJECT NO. _____ HOLE NO. RR-1

PAGE 26 OF _____

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
1295-1312	GRN CHL-AMPH SCHIST.	F-MGR GRN CHL-AMPH SCHIST WITH IRREG QTZ MASSES, SIL. LAM.	14-3% PY CP TR								
		1310.7-1311 BRN GY SIL-BI SEMISCHIST.									
		AMPH PORBLS, SIZE AND AMOUNT INCREASE W/DEPTH; ASS W/ MYLONITIC TEX.									
		FABRIC BECOMES LESS PLANAR - MORE LINEAR - MYLONITIC W/DEPTH, IN GENERAL.									
		SULFIDES LESS EVENLY DISTRIBUTED THAN NORMAL. BIGGEST CONCENTRATION AT 1303.7-1304; 2 CM BRECCIATED, VUGGY QTZ VN W/PY CEM.									
		PY/QTZ/VUGS/CP = 4/3/3/1.5									
		MINOR CAL RIMMED ANK W/QTZ MASSES - VNS AT 1293.6, 1304, 1310.									
		AMPH REXL MAKE SHEAR TEXTURES DIFFICULT TO SEE; SHEARING? 1303.7-1312?									
1312-1320.1	GY-BRN SIL SEMISCHIST W/B1.	GY-BRN, F-MGR REXLIZED BI-SIL SEMISCHIST.	14% PY TR CP								
		LOCAL CHL-AMPH; AND LAM. OF BI-PY-CP.	1% PY 14% CP								
		FOLD CLOSURE AT 1313. HLF AT 1314 W/BLK GRA? CHL?									

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

PROJECT NO. _____ HOLE NO. RR-1

GREENSTONE LITHOLOGIC LOG

PAGE 27 OF _____

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
1320.1-1351.7	GRN CHL-AMPH SCHIST- SEMISCHIST W/LESSER BI-SIL SEMISCHIST	GRN F -MGR CHL-AMPH SCHIST-SEM SCHIST; W/ LESSER BI-SIL SEMISCHIST. DEFORMED, MIXED QTZ VNS-BURSTS 1326-1327, 1331-1331.5, 1333-1334; 1338.8-1338.8; 1340-1341.5; 1342-1342.5; 1344.2-1351.7; BASAL 6' MORE SIL W/DEPTH; ALMOST CHTY. LOCAL PY-CP-PO ASS W/SIL LAM- Q QTZ BLEBS 20 1332-1351.7; MORE PO W/DEPTH. COARSEST AMPH (ACT) GIVE GOOD S-L TECT. FABRIC; ASS W/SHEARING?? 1320.1-1326; 1334.3-1338; 1341.3- 1343. LOCAL SLICKS. 1343' 1x4 cm FRAGMENT W/ABDT HBDE? TOO?	1/4-2% PY-PO 1/4 CP								
1351.7-1464.8	BRN-GY BI-SIL-CHL SEMISCHIST; LAM.	GENERALLY LAM, BRN-GY AND WHITE BI-SIL-CHL SEMISCHIST; W/IRREG SIL VNS-RTZ BURSTS. CONTORTED, FOLDED; MUCH CORE 30 TO CA. INT TUFF-TU METASEDS; VIFGR. VNS W/QTZ, ANK, MINOR CAL. SL-MOD CALCAREOUS; INCREASING DOWNWARD, ESP BELOW 1375. 1390-1398 W/HLF W/CAL, PY. FOLDING MULTIPLE AND/OR INCONSISTENT; COMPLEX!	<1/4% ABOVE 1473								

MINNESOTA DEPARTMENT OF NATURAL RESOURCES
MINERALS SECTION

GREENSTONE LITHOLOGIC LOG

PROJECT NO. 210 HOLE NO. RR-1

PAGE 28 OF

INTERVAL	ROCK UNIT	DESCRIPTION	SULFIDE %	ANALYSES							
				SAMPLE NO.							
		BELOW ~1437 → MORE CHL-AMPH. LAM w/DEPTH, AND SULFIDES INCREASE.	1/2-2% Po-Pi? 1/4-1/2% CP								
		1455-1464.8 FAIRLY SIL.									
		SCATTERED GARNETS IN CHL LAM 1440-1454 (ALMANDINE?)									
1464.8 - 1602	MIXED-LAM CHL-SIL- BI SEMISCHIST	GRN-BRN-GY LAM - INTERMIXED AMPH- CHL-SIL-BI SEMISCHIST; REL. MASSIVE. MANY FOLD CLOSURES, WITH LOCAL DISRUPTION, FOLD BRECCIA; GENERAL S ₀ -CA AT LOW ANGLE. MORE MAFIC AREAS AMPHIBOLITIC; WITH RELAXATION ASSOCIATED WITH AND/OR HIDING BRECCIATION? 1464.8-1479; 1495-1496; 1505-1508; 1514-1519; 1568-1570.5; 1573-1576; 1595-1598. OBVIOUS BRECCIA-PSEUDOBRECCIA 1505-1505.3; 1522-1524 (SIL TUFF?); 1539.4-1540.3; 1546-1551 (SCATTERED HLF PSEUDOBRECCIA w/CAL); 1554-1555. SOMEWHAT CALCAREOUS; ESP. LAM, MORE SILICEOUS MATERIAL; VERY MINOR ANK. QTE MASSES OFTEN IRREG.	1/4-1/2 Po TR CP EXCEPT								
		1476-1479 } AND 1493-1498 }	1/2-2% CP								

DDH # RR-1

12.9

PAGE SUP-1

FOOTAGE	LT CA	DESCRIPTION OF FEATURE	6	7	8
6	1	48 S ₀ -S ₁			
11	2	44.5 } OPPOSITE LIMBS OF MINOR FOLDS			
	3	55 } AXES PLUNGE ~ 8° FROM PLANE + To CA			
13	4	45 MINOR FOLD AXIAL PLANE			
13	5	25-30 } MINOR FOLD			
	6	50 } LIMBS			
15	7	31 1 cm QTZ-CAL VEIN			
16	8	40-46 S ₀ (BEDDING)			
16	9	42 S ₁ (FOLIATION)			
22	10	24 BOUDINAGED QTZ-CAL VEIN			
23	11	55 S ₁			
26	12	35 IRREG QTZ-CAL VEIN - BROKEN - BOUDINAGED			
31.5	13	40 S ₀			
34	14	35 S ₁			
36.6	15	46 S ₁			
41	16	37 IRREG QTZ-CAL-MUSC VEIN (4 cm)			
41	17	33 S ₁ - SLIGHTLY OBLIQUE TO VEIN			
42.6	18	32 S ₀ ? 7 mm QTZ VEIN PARALLEL TO S ₁ ?			
46	19	47 S ₀			
6.6	20	44 HLF			
~30	21	~20 HLF w/ mica, SUL, LIM			
37.9	22	32 HLF			
38.2	23	30 HLF w/ LIM			
38.8	24	32 HLF w/ LIM			
40	25	50 S ₀			
40	26	51 1-3 mm QTZ-BI-CAL VEIN } SLIGHTLY OBLIQUE			
42	27	52 QTZ-CAL-MUSC VEIN			
47.5	28	40 S ₀			
47.5	29	42 S ₁			
51.5	30	47 S ₀ EPIDOTIZED TUFF BED			
52.8	31	50 TOP QTZ VEIN			

FOOTAGE	LT CA	DESCRIPTION OF FEATURE	6	7	8
53.1	1	33 BASE QTZ VEIN			
56	2	48 S ₀ -S ₁			
55	3	21 HLF 1 mm CAL VEIN			
60.5	4	22 HLF w/ LIM			
61	5	45 S ₀ -S ₁			
62.5	6	22 HLF			
63.5	7	42 S ₀ -S ₁			
68	8	46 S ₀			
71.5	9	30 S ₁			
73	10	30 S ₀ -S ₁			
74	11	42 7 mm QTZ-CAL VEIN			
79	12	38 HLF			
80.2	13	54 HLF w/ LIM			
82.4	14	45 HLF w/ SER, BI			
20.2	15	26 S ₀ -S ₁ w/ QTZ VN w/ CAR (25%)			
20.2	16	11 QTZ VN w/ 10-20% CAR			
84.6	17	56 S ₀ -S ₁ MINOR TIGHT FOLD AXIAL PLANE - LIMBS			
87	18	35 ANK-QTZ VEIN 3-6 mm			
94.5	19	43 " " MUSC VN			
93.8	20	43 " " VN			
94.0	21	58 S ₁ -S ₀			
101.9	22	22 QTZ-ANK-MUSC VN 1 cm; X-CUT S ₀ -S ₁			
102.5	23	40 S ₀ S ₁			
104.7	24	40 1 cm QTZ-ANK-MUSC VN w/ SPHEERITE?			
105-106	25	~20 1 cm " " VN			
106.2-106.4	26	22-23 LATE HLF w/ FLUORESCENT CAL			
111	27	40 4-6 mm QTZ-ANK-MUSC VN - BURST			
111.5	28	16 ~ PARALLEL? w/ S ₁ -S ₀			
111.5	29	56 S ₀ -S ₁			
116.2	30	21 S ₀ -S ₁			
117	31	43 S ₀ -S ₁			

FOOTAGE	2 TO CA	DESCRIPTION OF FEATURE	6	7	8
118.1	1 56	MINOR FOLD AX PL. --- CREN. CLEAVAGE			
120	2 50	S ₀ OR MARGINS OF V. LARGE LAPID S ₁ ?			
120	3 35°	1 mm PO-Qtz-CAL-ANK VN			
126	4 40°	20% PO, 5% CP			
130.2	5 52	S ₀ -S ₁			
130.4	6 45	1 cm Qtz-ANK-CHL VN			
130.6	7 57	1-1.5 cm Qtz-ANK-MUSC VN			
131.7	8 25	S ₀ -(S ₁ ?)			
131.8	9 47	S ₀ -S ₁			
139.7	10 35	S ₀ -S ₁			
138.3	11 40	S ₀			
138.3	12 65	S ₁ ? S ₂ ? CUT ACROSS			
156.	13 40	S ₁ -S ₀			
148.	14 60	S ₁ -S ₀			
160.5	15 30	S ₁ -S ₀			
170.	16 46	S ₁ -S ₀			
172.6	17 35	Qtz-CAR VN			
176.3	18 57	" " " -S ₀ -S ₁			
178.4	19 36	" " "			
178.2	20 53	S ₀ -S ₁			
186	21 53	S ₀ -S ₁			
197.3	22 49	S ₀ -S ₁			
197.3	23 59	2 mm VN X-CUTTING			
205.9	24 48	S ₀			
205.9	25 60	S ₁			
211.5	26 55	2 cm Qtz-CAR-CHL VN			
219.5	27 45	3 cm Qtz-CAR VN w/Qtz ~BRECCIATED			
219	28 45	S ₁ -S ₀			
222.3	29 50	1 cm IRREG Qtz-CAR VN			

FOOTAGE	2 TO CA	DESCRIPTION OF FEATURE	6	7	8
230	1 36	S ₀ -S ₁			
233.9	2 46	1 cm Qtz-CAR VN, BOYD			
242.5	3 30	S ₀ -S ₁			
242.7	4 ~64	MINOR FOLD AXIAL PLANE			
242.2	5 28	S ₀ -S ₁ ?			
242.2	6 58	S ₁ -S ₂ ? ROTATION OF LAM			
252.2	7 58	S ₁ ? AX PLANE MINOR FOLDS AND SCHISTOSITY			
254	8 60	S ₀ -S ₁			
259.5	9 15°	HLF w/PY, CAL			
260.5	10 55	S ₀ -S ₁			
271	11 35-40	S ₀ -S ₁ ? MAG LAM			
281	12 43	S ₀ -S ₁			
283	13 38	1 cm Qtz-CAR-MUSC VN			
291.9	14 47	S ₀ -S ₁			
296	15 23	1-2 mm LATE CAL VEIN-FLUNT. PINK-OR			
297-297.5	16 61	HLF w/FLUNT CAL (PINK-OR)			
301	17 56	S ₀ -S ₁			
307.6	18 30	1-2 mm CAL-Qtz VN			
307.6	19 50	S ₀ -S ₁			
311.5	20 68	1-2 cm Qtz-CAR VN			
311.6	21 63	6 cm Qtz-CAR-CHL VN			
315.3	22 63	3 cm Qtz-CAR-CHL VN			
315.8	23 0-10	HLF w/FLUNT CAL (OR-PINK)			
314.5-315	24 57	S ₀ -S ₁			
319	25 20	HLF w/PINK-OR FLUNT CAL			
318.5	26 60	S ₀ -S ₁			
323	27 45	S ₀ -S ₁			
334	28 5	HLF w/PINK-OR FLUNT. CAL			
252-253	29 34	HLF w/CAL			
336	30				

FOOTAGE	↳ TO CA	DESCRIPTION OF FEATURE	6	7	8
337.5-338.1	15	HLF			
338	65	S ₀ -S ₁			
339	58	S ₀ -S ₁			
343	25	HLF w/CAL			
348	60	S ₀ -S ₁			
348.3	60	QTZ-CAR VN SLIGHTLY OBLIQUE			
352.4	39	QTZ-CAR-BI VN			
358	48	S ₀ -S ₁			
360	18	1mm CAR VN w LIM STAIN			
363	65	1-2 cm FOLDED QTZ-CAR VN AX PL			
368.5	58	S ₀ -S ₁			
375	66	S ₀ -S ₁			
373-373.5	20	HLF w/CAL - FLUNT			
377	70	S ₀ -S ₁			
382.5	63	S ₀ -S ₁			
382.5	66	S ₀ -S ₁			
391.5	50	S ₀ -S ₁			
401.3	85-90	1-2 cm IRREG QTZ-CAR VN			
410.5	60	S ₀ -S ₁ - VN?			
418	55	S ₀ -S ₁			
421-423.5	5-10	HLF w/CAL, PY			
428	53	S ₀ -S ₁			
431	27	HLF w/CAL			
433	71	S ₀ -S ₁			
435	50	S ₀ -S ₁			
437	37	HLF w/CAL, PY			
444	80	AX PL MINOR FOLD - KINK			
443.8	30	S ₀ -S ₁			
444.2	55	S ₀ -S ₁			
446	55	S ₀ -S ₁			
451	72	S ₀ -S ₁			

FOOTAGE	↳ TO CA	DESCRIPTION OF FEATURE	6	7	8
461	5-10	HLF w/CAL (FLUNT)			
464.5	0-5	HLF			
466					
470	69	S ₀ -S ₁			
477.5	77	S ₀ -S ₁			
477.6	22	HLF - EN ECHELON FRACT.			
478	63	S ₀ -S ₁			
478	60	S ₀ -S ₁			
479.1	22	HLF w/CAL, PYRITE HEDRONS			
482	65	S ₀ -S ₁			
489	70	S ₀ -S ₁			
498	67	S ₀ -S ₁			
517	70	S ₀ -S ₁			
524.4	67	BASE BRECCIA ZONE			
525.3	30	2mm QTZ VN			
538	70	S ₀ -S ₁			
546	60	S ₀ -S ₁			
549.5	32	3mm QTZ - MUSC - KSPAR VN VN			
562	68	S ₀ -S ₁			
580	62	S ₀ -S ₁			
583.5	25	HLF w/CHL, EP ALT			
585.5	15	HLF w/CAL			
592	70	S ₀ -S ₁			
613	72	S ₀ -S ₁			
630	65	S ₀ -S ₁			
633.4	47	HLF w/CAL			
633.5	60	" " "			
632	70	BRECCIA ZONE			
636.5	70	2cm QTZ VN			
640	75	S ₀ -S ₁			
654	73	S ₀ -S ₁			

DDH
RR-1

PAGE SUP 4

FOOTAGE	← To CA	DESCRIPTION OF FEATURE	6	7	8
654.8 ¹	80	S ₀ -S ₁			
655.0 ²	73	S ₀ -S ₁			
655.2 ³	~30	FOLD - KINK AX PL			
655.2 ⁴	~10	FOLD - AX PL ; TRUNCATED BY			
656.0 ⁵	80	S ₀ -S ₁			
656.1 ⁶	70	S ₀ -S ₁			
656.8 ⁷	80	S ₀ -S ₁			
657.1 ⁸	85	S ₀ -S ₁			
659. ⁹	70	S ₀ -S ₁			
662.5 ¹⁰	62	S ₀ -S ₁			
671 ¹¹	75	S ₀ -S ₁			
680 ¹²	70	S ₀ -S ₁			
691 ¹³	75	S ₀ -S ₁			
698 ¹⁴	40	HLF w/CAL, PY FILM			
701 ¹⁵	67	S ₀ -S ₁			
702.6 ¹⁶	55	S ₀ -S ₁ ; QFZ VN MARGIN			
711.0 ¹⁷	70	S ₀ -S ₁			
711.0 ¹⁸	20	HLF			
720 ¹⁹	58	S ₀ -S ₁			
722-723 ²⁰	5-18	HLF w/CAL			
723.5 ²¹	68	S ₀ -S ₁			
724-725 ²²	15	HLF w/CAL			
728 ²³	62	S ₀ -S ₁			
735.1 ²⁴	47	BOUNDARIED QFZ VEIN			
735.3 ²⁵	52	S ₀ -S ₁			
739.4 ²⁶	35	TOP " MORE DEFORMED - ALTERED ZONE "			
739.9 ²⁷	44	BASE " " " "			
740 ²⁸	60	S ₀ -S ₁			
748 ²⁹	43, 45	KINKS ~ 1 CM			
747 ³⁰	70	S ₀ -S ₁			
749 ³¹	76	S ₀ -S ₁			

FOOTAGE	← To CA	DESCRIPTION OF FEATURE	6	7	8
753 ¹	74	S ₀ -S ₁			
760.7 ²	~0	EARLY MINOR FOLD AX PL			
760.7 ³	47	AX PL - KINK → DEFORMS			
761.9 ⁴	75	CO AXIAL → BOTH AXES ~ 90° TO CA			
761 ⁵	75	2 MM BRECCIA BOUNDS ABOVE			
761 ⁶	75	CHUNK w/ FOLDS (LATE SHEAR ALONG EARLIER S ₁)			
761 ⁷	75	S ₀ -S ₁			
761 ⁸		DETERMINE FOLDING SEQUENCE (?)			
764 ⁹		FROM ABOVE			
764 ¹⁰	64	S ₁ -S ₂ ?			
765 ¹¹	67	S ₁ -S ₂ ?			
765 ¹²					
765 ¹³		MINOR FOLD - KINK AX PL			
517.3 ¹⁴	25				
588.2 ¹⁵	18				
588.5 ¹⁶	58				
589 ¹⁷	60				
601.2 ¹⁸	42				
601.2 ¹⁹					
619.1 ²⁰	32				
631.6 ²¹	30				
643.6 ²²	38				
643.6 ²³					
654.4 ²⁴	55	COMPLEX DEFORMATION			
664.2 ²⁵	55	SHEAR SURFACE			
666.6 ²⁶	5	AX PL KINK w/ ALT			
668.2 ²⁷	25				
696.1 ²⁸					
731 ²⁹	43				
743.5 ³⁰	40				
743.8 ³¹	36				
760.8	45				

DDH RR-1

FOOTAGE	↳ TO CA	DESCRIPTION OF FEATURE	6	7	8
764.3	52	S ₁ -S ₂ ?			
764.7	84	S ₀ -			
765.5	62	S ₀ -S ₂ ?			
766.4	72	S ₀ -			
767	75	S ₀ -S ₂ ?			
769	82	S ₀ -			
769	85	S ₂ ?			
768.3	62	3mm FRACTURE-ALT ZONE			
771	75	S ₀ -S ₁ ?			
772.8	77	S ₁ S ₀ ?			
776	82	S ₀ -S ₁ ?			
776.5	17	HLF w/CAL, PY			
778.2	70	S ₀ -S ₁ ?			
777.8	37	HLF w/PY, CHL			
778	80	1-3mm ALTERED, SHEAR ? ZONE → MAY NOT BE DEFORMED MORE THAN SURROUNDING RX			
779.5	66	S ₀ -S ₁ ?			
780.4	85	TOP QTE VN			
780.7	80	BASE QTE VN			
781.5	77	SLIP SURFACE w/DAG FOLD; OR SHEARED LIMB OF MINOR FOLD			
782.4	77	SAME AS 781.5			
782.7	83	" " "			
783.5	81	S ₀ -S ₁ ?			
784.5	78-83	AX PL } MINOR FOLDS, COMPLEX;			
785	75	FOLD AXES			
786		FOLDED QTE VN SHOWS DEFINITE ATTENUATION PARALLEL TO FOLD AXIS.			
90.7	70	FOLD LIMB SHEAR			
791.5	80	S ₀ -S ₁ ?			
788.6	33	HLF w/CAL			

PAGE SUP-5

FOOTAGE	↳ TO CA	DESCRIPTION OF FEATURE	6	7	8
789.7	40	HLF w/CAL			
794	68	S ₀ -S ₁			
794.5	21	HLF w/CAL			
795.7					
798	60	S ₁ -S ₂ ?			
798.2	77	S ₀ -S ₁			
798.7	15	HLF w/CAL			
797	80	HLF w/CAL			
800	63	S ₀ -S ₁ ?			
801	77	AX PL S ₂ ? S ₁ ?			
801.2	67	S ₀ S ₁ ?			
801.2	82	S ₁ ? S ₂ ? OPPOSITE DIRECTION			
804.4	40	HLF w/CAL			
805.5	15	HLF w/CAL			
809	80	S ₀ -S ₁ ?			
809.1	70	S ₁ -S ₂ ?			
813	70	S ₀ -S ₁ ?			
818	70	S ₀ -S ₁ ?			
818	77	S ₂ ?			
818.1	88	S ₁ ?			
820-822	15-25	HLF w/CAL			
824-825	22	HLF w/CAL			
826	82	S ₀ -S ₁ ?			
827.5-830	0-5	HLF w/CAL			
834-834.2	30	HLF w/CAL			
831-844	?	WITHIN FOLD BRECCIA			
842.3	~90	S ₀			
842.3	0-5	AX PL: MINOR FOLD			
844	63	S ₀ -S ₁ ? S ₂ ?			
848.3	83	S ₀ -S ₁ ? S ₂ ?			
852.3	57	S ₀ -S ₁ ?			

DDH
RR-1

FOOTAGE	↳ TO CA	DESCRIPTION OF FEATURE	6	7	8
857-858 ¹	17-70	BEDDING GRN			
857.5 ²	85	ERENULATION S ₂ ??			
862.5 ³	70	S ₀			
861.8 ⁴	50	S ₀			
864 ⁵	55	S ₀ - S₁ S ₂			
864 ⁶	75	S ₁ -S ₂			
866 ⁷	35	SHEAR W/ CHL, HBDE ; 1-2 cm			
870 ⁸	77	S ₀ -S ₁ -S ₂			
874 ⁹	82	S ₁ -S ₂ ?			
874 ¹⁰	55	S ₀			
881.5 ¹¹	50	S ₀			
883.2 ¹²	77	S ₁ -S ₂			
873 ¹³	77	HLF W/CAL			
882.6 ¹⁴	48	HLF W/CAL			
898 ¹⁵	60	HLF W/CAL			
884-886 ¹⁶	0-5	HLF W/CAL, PY			
886 ¹⁷	55	S ₀ -S ₁ -S ₂ ?			
893.9 ¹⁸	85	S ₂ ?			
902 ¹⁹	48	QTZ VN			
906 ²⁰	87	S ₀ -S ₁ ?-S ₂ ?			
908 ²¹	32	QTZ VN			
910 ²²	65	S ₀			
911.5 ²³	80	S ₀			
912.5 ²⁴	55	S ₀ -S ₁ ?-S ₂ ?			
912.2-912.3 ²⁵	28	HLF W/CAL, PY, CAP, MINUTE GRAINS OF FG?			
920.5 ²⁶	75	S ₀ -S ₁			
922.7 ²⁷	80	S ₀ -S ₁			
922.8 ²⁸	54	S ₁ -S ₂ ?			
929 ²⁹	70	S ₀ -S ₁ -S ₂ ?			
928.5 ³⁰	87	QTZ VN			
931 ³¹	55	S ₀ -S ₁ -S ₂ ?			

PAGE SUP 6

FOOTAGE	↳ TO CA	DESCRIPTION OF FEATURE	6	7	8
940 ¹	60	S ₀ -S ₁ -S ₂ ?			
946.2 ²	70	S ₀ -S ₁			
946.2 ³	63	S ₂ ?			
948 ⁴	80	S ₀ -S ₁ ?			
948 ⁵	68	S ₁ -S ₂ ?			
950 ⁶	67	S ₁ -S ₂ ?			
949.9 ⁷	63	S ₀			
953 ⁸	65	S ₀ -S ₁ ?			
953 ⁹	60	S ₁ -S ₂			
947-947.5 ¹⁰	20	HLF W/CAL, PY			
956.5-958.1 ¹¹	0-5	HLF W/FLINT CAL, PY, ARG			
958.1-968 ¹²	0-40	HLF W/FLINT CAL, PY, ARG			
959 ¹³	27	1 CM KINKS			
961.5 ¹⁴	75	S ₀ ? S ₁ -S ₂ ?			
970 ¹⁵	58	S ₀ ? S ₁			
975.5 ¹⁶	23	2 MM BRECCIA ZONE			
977.5 ¹⁷	76	S ₀ -S ₁ -S ₂ ?			
987 ¹⁸	58	S ₁ -S ₂			
996.5 ¹⁹	75	CONTACT S ₀ S ₁			
996.5 ²⁰	72	TOP DYKE			
996.8 ²¹	82	QTZ ANK VNS			
996.5- ²²	15	HLF W/CAL, OFFSET			
997.5 ²³					
997.5 ²⁴	75	BASE OF DYKE			
997.9 ²⁵	~38	BRECCIA-PSEUDO BRECCIA CONTACT			
998.1- ²⁶	83	PLANAR FABRIC			
998.9 ²⁷	62	1 CM MYLONITE			
999.3 ²⁸	38	FRAGMENT ORIENTATION			
1003.7 ²⁹	66	TOP BRECCIA ZONE WITHIN PSBREC			
1003.9 ³⁰	75	BASE " " " "			
1002.5 ³¹	68	BASE BRECCIA ZONE			

DDH
RR-1

FOOTAGE	1	2	3	4	5	6	7	8
FOOTAGE	1	2	3	4	5	6	7	8
1006.3	1	57	S ₀ ?	MYLONITIZATION?	FLATTENING	S ₁ ?		
1007.2	2	80	S ₀	S ₁ ?	CHL-BI BED			
1007.3	3	73	S ₀	S ₁ ?	" " "			
1008	4	80	S ₀	S ₁ ?				
1009-1010	5	5-20	HLF	w/ FLINT CAL, CP, PY,	OBLIQUE SLICKS			
1010	6	~30	S ₁	→ MICA ORIENTATION				
1012	7	18	S ₁	→ " "				
1012-	8	15	HLF	w/ CAL, PY				
1012.5	9							
1012.7-	10	17	HLF	w/ CAL, PY				
1013.2	11							
1015.5	12	42	S ₁	→ MICA ORIENTATION				
1017.6	13	62	S ₀ -S ₁ ?					
1018-1019	14	10	HLF	w/ CAL, PY				
1022	15	65	S ₀ -S ₁ ?					
1026	16	73	S ₀ -S ₁					
1027.3	17	53	TOP	BREC QTZ VN				
1025	18	45	HLF	w/ MINOR KSPAR				
1028	19	42	SLIP SURFACE IN VN					
1029	20	73	BASE VN					
1030.5	21	77	S ₀ -S ₁ ?	FLATTENING-SHEAR DIRECTION				
1040	22	68	S ₀ -S ₁ ?					
1033-1034	23	7	HLF					
1042.5	24	65	S ₀ -S ₁ ?					
1042.5	25	90	MINOR FOLD	AXPL - S ₂ ?				
1046.2	26	72	S ₀ -S ₁ ?					
1046.4	27	70	BASE	QTZ-TO4-HBDE VN-Boudinaged				
1046.5	28	68	TOP	" " " "				
1048	29	78	S ₀ -S ₁ ?					
1048	30	85	S ₁ -S ₂ ?					
1049-1054	31	0-5	HLF	w/ CAL, PY				

PAGE 5UA 7

FOOTAGE	1	2	3	4	5	6	7	8
FOOTAGE	1	2	3	4	5	6	7	8
1062	1	77	S ₀ -S ₁ ?					
1054.7	2	~60	MINOR FOLD	AXPL; ASSYM				
1054.9	3	45	S ₀ -S ₁ ?					
1055.0	4	~60	MINOR FOLD	AXPL; ASSYM				
1055.6	5	35	S ₀ -S ₁ ?					
1055.8	6	10	S ₀ -S ₁					
1063.9	7	50	TOP - MYLONITE ZONE					
1064.1	8	75	BASE " "					
1063.8	9	65	S ₀ -S ₁					
1064.3	10	0-5	S ₀ -S ₁ ?					
1064.5	11	80	S ₂ ?					
1065	12	45	S ₀ -S ₁					
1067	13	50	S ₀ -S ₁					
1068	14	0-5	S ₀ -S ₁					
1069.5	15	30	S ₀ -S ₁					
1072	16	28	S ₀ -S ₁					
1073.1	17	45	S ₀ -S ₁					
1077	18	80	S ₀ -S ₁					
1078.5	19	0-5	S ₀ -S ₁ ?					
1078.5	20	87	MINOR FOLD	AXPL				
1083.5	21	67	S ₀ -S ₁ ?					
1086.7	22	74	S ₀ -S ₁ ?					
1087	23	87	MINOR FOLD	AXPL				
1089	24	82	S ₁ -S ₂ ?					
1074	25	22	3MM QTZ-AMPH-CP-PY-CAL VN					
1089-1090	26	0-20	HLF w/ CAL, PY					
1091-1092	27	8	HLF w/ CAL, PY					
1092.5	28	72	S ₀					
1094.5-	29							
1095.5	30	0-5	HLF w/ PY, CAL, SLICKS	⊥ CA				
1100	31	75	S ₀					

DDH
RR-1

PAGE SUP 8

STAGE	↳ TO CA	DESCRIPTION OF FEATURE	6	7	8	FOOTAGE	↳ TO CA	DESCRIPTION OF FEATURE	6	7	8
1108.4 ¹	54	S ₀ - S ₁ ?				1164-1164.5 ¹	27	HLF w/ PY-CAL-QTZ	SOME	BREC	
1111 ²	81	S ₀				1164.3-1165.8 ²	10-15	HLF w/ CHL			
1113.5 ³	80	S ₀ - S ₁ ?				1167 ³	28	S ₀			
1118 ⁴	75	S ₀				1166.7 ⁴	0	ELONGATE QTZ BURST			
1119 ⁵	73	MINOR FOLD F? AX PL				1168.5 ⁵	42	S ₀			
1125 ⁶	85	S ₀ - S ₁ ?				1169 ⁶	63	S ₀			
1126.3 ⁷	59	S ₀				1171 ⁷	88	S ₀			
1126.8 ⁸	72	S ₀				1176 ⁸	63	S ₀			
1126.8 ⁹	78	MINOR FOLD AX PL				1175- ⁹					
1129 ¹⁰	85	" " " "				1175.8 ¹⁰	0-27	HLF w/ PY, CAL			
1131 ¹¹	76	S ₀				1182.1 ¹¹	79	S ₀			
1133 ¹²	83	MINOR FOLD AX PL				1181.9 ¹²	44	S ₀			
1132.8 ¹³	79	S ₀ - S ₁ ?				1186 ¹³	86	S ₀			
1137.2 ¹⁴	30	S ₀ - S ₁ ?				1189.5 ¹⁴	63	S ₀			
1139 ¹⁵	33	S ₀ - } OPPOSITE				1189.8 ¹⁵	0	S ₀			
1139.6 ¹⁶	50	S ₀ - } LIMBS OF FOLD				1190.3 ¹⁶	85	S ₀			
1140 ¹⁷	52	S ₀ - S ₁				1198 ¹⁷	78	S ₀			
1140.1 ¹⁸	88	MINOR FOLD AX PL				1203 ¹⁸	32	S ₀			
1139- ¹⁹						1204 ¹⁹	9	S ₀			
1140 ²⁰	0-5	HLF w/ PY				1206 ²⁰	24	S ₀			
1148 ²¹	83	S ₁ ? S ₀ ?				1207 ²¹	~90	MINOR FOLD AXES			
1148- ²²						1207 ²²	~0	S ₀			
1150 ²³	0-5	HLF w/ CAL, PY				1209 ²³	~0	S ₀			
1153.5 ²⁴	84	S ₀ - S ₁ ?				1209 ²⁴	65	MINOR FOLD AXES			
1159 ²⁵	57	S ₀				1211 ²⁵	30	S ₀			
1160 ²⁶	80	MINOR FOLD AX PL				1214 ²⁶	~0	S ₀			
1159.8 ²⁷	42	S ₀				1217 ²⁷	36	S ₀			
1160.1 ²⁸	15	S ₀ OPPOSITE ↗				1221 ²⁸	~0	S ₀			
1163 ²⁹	42	S ₀				1221 ²⁹	~75?	MINOR FOLD AXES			
1164 ³⁰	57	S ₀				1216.5 ³⁰	43	HLF w/ CHL, PY			
1163.2 ³¹	13	HLF w/ CAL				1220 ³¹	15	HLF w/ PY, CAL, CHL			

DDH
RR-1

PAGE SUP 9

[illegible]

DDH
RR-1319 HLF
w BLK GRA HLF

PAGE 9 OF 10

STAGE	LT. CA	DESCRIPTION OF FEATURE	6	7	8	FOOTAGE	LT. CA	DESCRIPTION OF FEATURE	6	7	8
1451 ¹	63	S ₀				1590 ¹	48	S ₀			
1458 ²	64	S ₀				1594 ²	48	S ₀			
1461 ³		HLF w/CAL PY				1596.2 ³	38	HLF w/CAL			
1462 ⁴	17					1596.4 ⁴	32	HLF w/CAL			
1464 ⁵	45	S ₀				1599.4 ⁵	80	MIFO AXPL			
1470 ⁶	60	S ₀									
1494 ⁷	32	S ₀									
1473.5 ⁸	75	MIFO AXPL									
1474.2 ⁹	~8°	" " " "									
1481 ¹⁰	50	S ₀									
1487 ¹¹	0-10	S ₀									
1490 ¹²	50	S ₀									
1495 ¹³	80	MIFO AXPL									
1497 ¹⁴	48	S ₀									
1501 ¹⁵	0-10	S ₀									
1515 ¹⁶	50	S ₀ (AVG)									
1515 ¹⁷	65	MIFO AXPL									
1514 ¹⁸	35	S ₀									
1518 ¹⁹	28	HLF w/CAL									
1520 ²⁰	88	MIFO AXPL									
1524 ²¹	0-10	S ₀									
1537.5 ²²	65	MIFO AXPL									
1537.5 ²³	68	FOLD AXIS									
1537.3 ²⁴	63	S ₀									
1538 ²⁵	0-10	S ₀									
1554 ²⁶	75	S ₀									
1560 ²⁷	60	S ₀									
1562 ²⁸	0	S ₀									
1570 ²⁹	57	S ₀									
1588 ³⁰	27	S ₀									
1589 ³¹	88	MIFO AXPL									

ACID TESTS		
FOOTAGE	UNCORRECTED ANGLE	CORRECTED ANGLE
142	48 50	47 41
542	30	23 22 1/2
862	25 24	16 17
1590	30 32	25 27

NOTE: NO ATTEMPT HAS BEEN MADE TO CORRECT PLANAR FEATURE MEASUREMENTS AS HOLE HAS CHANGED ANGLE.