

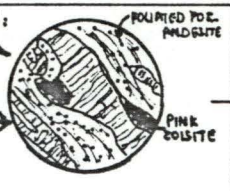
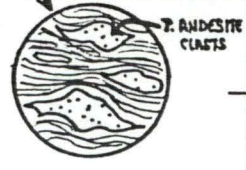


DEPTH	Lithology	% Recovery	DESCRIPTION	Alteration	Mineralization	Au oz/ton	STRUCTURE	SAMPLE NUMBER
5		60%	LATERITE: BRICK-RED CLAY, NO REMNANT STRUCTURE; OCCASIONAL TR GRAY SAPROLITE SAPROLITE: LIGHT MEDIUM-GRAY, PROTOLITH QTZ SERICITE (PYROPHYLLITE?) SCHIST, WELL-PRESERVED SCHISTOSITY W/ MICROCOSUS SHEEN; WEAK FeOx ON FOLIATION SURFACES.		OCCASIONAL QTZ STRINGERS		FOLIATION AT 40° TO CORE AXIS	62987 62988
15		79%	PYROPHYLLITE SCHIST, LT. GRAY, WELL FOLIATED, HEAVILY WEATHERED; SOFT "GREASY" FEEL WHEN RUBBED BETWEEN THE FINGERS; QTZ OCCURS AS VERY MINOR PLAGES IN THE SCHIST, OR AS CROSS-CUTTING STRINGERS. FeOx ON FOL. & FRACTURES; TR VFB DISSEMINATED FeOx STAINS THAT MAY HAVE BEEN PY, TR DISSEMINATED DK. GRAY VFB "BLOTCHES" PROBABLY CHLORITOID. POSSIBLE FELSIC VOLCANIC PROTOLITH	PYROPH. + CHLORITOID	TR PY?		FOLIATION AT 40° TO CORE AXIS	62989 62990
25		99%	AS ABOVE, + TR SEVERAL % MnOx ± FeOx ON FOLIATION PLANES & FRACTURES PYROPHYLLITE-CHLORITE SCHIST: GRADUAL CONTACT AS ABOVE, RK IS SLIGHTLY MORE COMPETENT & HAS TURNED CT. GREENISH-GRAY (CHLORITE), TR-1% DISSEM. FeOx IN BOXWORKS (PY?); POSSIBLE INTERMEDIATE VOLCANIC PROTOLITH.	AS ABV + + CHL	TR PY? TR-1% PY?		FOL. AT 85° TO CORE AXIS	62991 62992
35		94%	AS ABOVE, + 3" THK. WHITE SUCROSIC QTZ VEIN, HEAVY MnOx IN ASSOCIATION W/ FeOx IN IRREGULAR OPEN SPACES	PYROPH. + CHL + MnOx ± FeOx	+ QZVN.			62993 62994
45		97%	AS ABOVE, PYROPHYLLITE-CHLORITE SCHIST, MEDIUM GREENISH-GRAY, MnOx & FeOx ON FOLIATION PLANES & FRACTURES; SOFT & HEAVILY WEATHERED, A FEW FeOx BXWORKS (PY?).	+ MnOx + FeOx	TR PY?		FOLIATION AT 45° TO CORE AXIS	62995 62996
55		99%	AS ABOVE, STRONG MnOx AT 51' AS ABOVE, STRONG MnOx AT 56'	+ MnOx + FeOx	TR PY?		FOLIATION AT 60° TO CORE AXIS	62997 62998
65		53%	AS ABOVE, STRONG MnOx + 1/2" THK. QTZ STRINGER AT 61'; VERY HEAVILY WEATHERED RK. AS ABOVE, BARREN BULL QTZ VEIN 1" THK AT 65.5' AS ABOVE, BARREN BULL QTZ VEIN 1" THK AT 69'	+ MnOx + FeOx	TR PY?			62999 63000
75		91%	AS ABOVE, + QTZ-MnOx VEINS & STRINGERS BETWEEN 62-64', QTZ IS EUBEDRAL (SLIGHTLY TERMINATED) & CLEAR AS ABOVE, RELICT PLAGIOCLASE PHENOCRYSTS TO 1mm DIA VISIBLE AT 76', PROTOLITH APPEARS TO BE A PORPHYRITIC ANDESITE ± DACITE.	+ MnOx				63001 63002
85		87%	AS ABOVE, 1/4" THK. SUCROSIC QTZ-PYROPHYLLITE VEIN AT 82', BOWSHAY    TO FOLIATION AS ABOVE, RELICT PHENX STILL DISCERNABLE; PORPHYRITIC ANDESITE AS ABOVE, 1/4" THK. QUARTZ-PYROPHYLLITE VEIN AT 88'	+ MnOx ± FeOx			FOLIATION AT 20° TO CORE AXIS	63003 63004
95		79%	AS ABOVE, 1/4" THK. SUCROSIC QTZ + MnOx BONE AT 91' & 93' & 97' AS ABOVE, BONE OF QTZ + MnOx AT 99'	+ MnOx + SiO2 + MnOx			FOLIATION AT 80° TO CORE AXIS	63005 63006

173 CORE

DEPTH	Lithology	% Recovery	DESCRIPTION	Alteration	Mineralization	Al <sub>2</sub> O <sub>3</sub> oz/ton	STRUCTURE STD. (BARREN)	SAMPLE NUMBER
105		85%	PYROPHYLLITE-CHLORITE SCHIST (PORPHYRITIC ANDESITE PROTOLITH) CONTINUED: FROM 102' TO 105' ZONE OF SUBHEDRAL QTZ XL( $\frac{1}{8}$ " MAX, SIMPLY TERMINATED) + INCLUSIONS OF MnOx. AS ABOVE, 6" THK. QTZ-MnOx ZONE AT 108'; TR FeOx STAINS THAT MAY HAVE BEEN DISSEM. PY	+MnOx +SiO <sub>2</sub>	NO PY  TR PY?		FOLIATION AT 20° TO CORE AXIS	63008 63009
115		85%	AS ABOVE, QTZ-MnOx ZONE FROM 110' TO 114'; 3" THK BULL. QTZ. ZONE AT 114' AS ABOVE, ABUNDANT MnOx ON FRACTURES	DECR. PYROPHY.  +MnOx			FOLIATION AT 65° TO CORE AXIS	63010 63011
125		85%	AS ABOVE, QTZ-MnOx ZONE 4" THK. AT 121'; TR DISSEM. FeOx BSWIRKS. AS ABOVE, SUCROSKIC QTZ + MnOx ZONE 3" THK. AT 124'	+SiO <sub>2</sub> +MnOx  DECLERING PYROPHYLLITE	TR PY?			63012 63013
135		83%	FELDSPAR-QUARTZ CRYSTAL TUFF (CHLORITE-PYROPHYLLITE SCHIST): RUSTY BROWN, STRONGLY SHEARED CRYSTAL-RICH TUFF(?), W/ 40% PHENOCRYSTS OF OPAQUE TAN FELDSPARS (TO 2mm) AND QUARTZ (1mm). APPEARS TO BE A CONFORMABLE, INTERFINGERING CONTACT. X-CUT BY QTZ-MnOx-Na <sub>2</sub> O (ALBITE?) VEIN $\frac{1}{4}$ " THK. AT 137' & 3" THK. AT 139.5'	+SiO <sub>2</sub> +MnOx +Na <sub>2</sub> O(?)	NO PY			63014 63015
145		100%	PORPHYRITIC ANDESITE (CHLORITE-PYROPHYLLITE SCHIST): LT. TO MED. GRAY, $\approx$ 5% WHITE PLagioclase PHENOCRYSTS (MAX 1x2mm), VARIABLY SHEARED, CHLORITE DOMINANT OVER PYROPHYLLITE CONTENT; CUT BY QTZ-MnOx-Na <sub>2</sub> O VEINLET AT 147'; FeOx ON FRACTURES w/ MINOR MnOx AS ABOVE, 1" THK. QTZ-MnOx OPEN SPACE ZONE AT 148', 149'	+CHL +SiO <sub>2</sub> +MnOx +Na <sub>2</sub> O	TR PY		FOLIATION AT 65° TO CORE AXIS	63016 63017
155		78%	AS ABOVE, ZONE OF MASSIVE REPLACEMENT, W/ MASSIVE SILICA + ALBITE REPLACING GROUNDMASS + PHENOS, REPLACEMENT TAKEN TO THE EXTREME POINTS VUGGY CAVITIES w/ QTZ. DRUSY, COINED BY MnOx; RE. IS UN-SHEARED FROM 150' TO 157' (RELATIVELY UNSHEARED) AT APPROX. 160' AS ABOVE, SHEARED PORPH. ANDESITE RETURNS; FeOx/MnOx ON FRACTURES; VUGGY ZONES w/ QTZ. DRUSES SCATTERED THROUGHOUT, EXP. AROUND 164', 167'; RE. IS A DIRTY BROWN COOR, SOFT.	MASSIVE +CHL ± EP +Na <sub>2</sub> O + SiO <sub>2</sub> + MnOx ± FeOx	TR PY			63018 63019
165		80%	AS ABOVE	MASSIVE REPLACEMENT AS ABV	TR PY			63020 63021
175		94%	AS ABOVE, LESS SHEARED MED. GRAY PORPHYRITIC ANDESITE RE-APPEARS AT 175' & EXTENDS TO APPROX 185'	MASSIVE REPLACEMENT AS ABV			FOLIATION AT 75° TO CORE AXIS	63022 63023
185		60%	AS ABOVE, VUGGY ZONE AT 185'	MASSIVE REPLACEMENT +SiO <sub>2</sub> + CHL ± EP +Na <sub>2</sub> O + MnOx + FeOx	TR PY			63024 63025
195		90%	AS ABOVE, MASSIVE REPLACEMENT/VUGS GENERALLY MADE OUT AROUND 195'; MODERATELY SHEARED PORPHYRITIC ANDESITE AT 197', MILD PROPYLITIC RE. AS ABOVE, ZONE OF MASSIVE REPLACEMENT FROM 197'-200'	MILD PROPYLITIC	NO PY  TR PY		FOLIATION AT 75° TO CORE AXIS	63026 63027

DEPTH	Lithology	% Recovery	DESCRIPTION	Alteration	Mineralization	Au oz/ton	STRUCTURE STD. (BARREN)	SAMPLE NUMBER
205		90%	PHOENIXITIC ANDESITE (CONTINUED)	MOD PROPYLITIC + CHL + EPI ± SiO <sub>2</sub> ± Na <sub>2</sub> O	NO PY			63029
		98%	PHOENIXITIC ANDESITE, STRONGLY SHEARED WITH DISTINCTIVE "FLASER" STRUCTURE, LT-MED GRAYISH GREEN, CLASTS ANGULAR & ROUGHLY LENSOID IN SHAPE, W/ SHARP ENDS (NOT ROTATED); STRONGLY MAGNETIC; CUT BY QTZ-CARBONATE-EPIDOTE-ALBITE(?) VEINS & ZONES AT 207', 211', 214'; TR FINE ZONITE W/ VEINS	NO MnO <sub>2</sub> + CaCO <sub>3</sub>	NO PY		SHEARING AT 75° TO CORE AXIS	63030
215		99%	AS ABOVE, TR VFG DISSEM. PY AT 217'		TR PY			63031
			AS ABOVE, BUT W/O THE DISTINCTIVE FLASER STRUCTURE; STRONGLY-MODERATELY SHEARED				SHEARING AT 80° TO CORE AXIS	63032
225		100%	AS ABOVE, PROPYLITIC ALTERATION BECOMING STRONGER	MOD-STRONG PROPYLITIC + CaCO <sub>3</sub>	TR-1% PY			63033
								63034
235		100%	AS ABOVE, QTZ-EPI-CaCO <sub>3</sub> VEIN W/ PINK ZONITE AT 231', 232'		1-2% PY			63035
			AS ABOVE, 1CM CUBE OF PY AT 237' INCL. IN GEOCHEM. SAMPLE		1-2% PY		FOLIATION AT 75° TO CORE AXIS	63036
			AS ABOVE, QTZ-EPI-CaCO <sub>3</sub> VEIN AT 238'		1% PY			63036
					1-2% PY			
245		97%	AS ABOVE, MASSIVE REPLACEMENT ZONE 241'-242'	STRONG PROPYLITIC + CaCO <sub>3</sub>	1% PY			63037
			AS ABOVE, 1/4" THK. CALCITE VEIN AT 244'		1% PY			63038
			AS ABOVE, CaCO <sub>3</sub> ± SiO <sub>2</sub> ZONE FROM 245' TO 247', QTZ-CARBONATE VEINS W/ EMBEDDED XLS (SINGLE TERMINATIONS) IN VEGES; EXTREMELY UNUSUAL TEXTURE ON FRACTURE SURF IN ZONE LOOKS LIKE RIPPLE MARKS W/ 1/2" WAVELENGTHS.					
			AS ABOVE, FLASER STRUCTURE RE-APPEARS AT 248' BELOW QTZ-CALCITE ZONE		1% PY			
255		100%	AS ABOVE, FLASER STRUCTURE CONTINUES.	STRONG PROPYLITIC + CaCO <sub>3</sub>	TR-1% PY		FOLIATION AT 70° TO CORE AXIS	63039
			AS ABOVE, 1/4" CaCO <sub>3</sub> VEIN AT 257'		TR-1% PY			63040
265		99%	AS ABOVE, ROLLED CLASTS (ANGEN) OF MASSIVELY-REPLACED ANDESITE UP TO 2" DIAMETER IN SHEARED MATRIX AT 266'; 275' (THIN SECTION)	STRONG PROPYLITIC + CaCO <sub>3</sub>	TR-1% PY			63041
			AS ABOVE, QTZ-EPI VEIN AT 268' TO 270', & 273' TO 274'		TR PY			63042
275		100%	AS ABOVE, 1/4" THK. CaCO <sub>3</sub> VEIN AT 276'; FLASER STRUCTURES CONTINUE	STRONG PROPYLITIC + CaCO <sub>3</sub>	1-2% PY		POOR FOLIATION AT 80° TO CORE AXIS	63043
			AS ABOVE, 2" THK. QTZ-EPI VEIN AT 279'		TR PY			63044
285		99%	AS ABOVE, QZ VEINS W/ DRUSY QZ 280-281'	STRONG PROPYLITIC + CaCO <sub>3</sub>	NO PY			63045
								63046
295		100%	AS ABOVE	STRONG PROPYLITIC ± CaCO <sub>3</sub>	NO PY			63047
			AS ABOVE, QTZ-EPI VEINLET AT 299'		TR PY		FOLIATION AT 70° TO CORE AXIS	63048



T.D. 300'

63048  
63049  
63050  
STD. (BARREN)

YJC-1

Job number: NE143-87                      Update : 0  
Geologist : Shepard ,R                      Assistant:  
Project : T004                                Samples : 64  
Certificate numbers:  
ATA RECEIVED AT LAB: 120487

Transmission date: 121187            Format: C    Print columns: 132  
Input report: NEG143                    Output file: RNEG143

Comments:

SECOND COLUMN OF GOLDS ARE REPLICATES

Note: all values are reported in ppm unless stated otherwise above.

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**Northeast  
Geochemical And  
Assay Co.**  
198 Main Street  
Yarmouth, ME 04096  
207/846-4673

YJC-1

Element : Gold Gold  
 Analysis Code: F1  
 Implied units: ppm ppm

Element		Gold	Gold
Analysis Code		F1	
Implied units		ppm	ppm
YJ62987	R	0.036	-----
YJ62988	R	0.028	-----
YJ62989	R	0.019	-----
YJ62990	R	0.017	-----
YJ62991	R	0.023	-----
YJ62992	R	0.041	-----
YJ62993	R	0.290	0.240 ?
YJ62994	R	0.040	-----
YJ62995	R	0.011	-----
YJ62996	R	0.006	-----
YJ62997	R	0.012	-----
YJ62998	R	0.019	-----
YJ62999	R	0.012	-----
YJ63000	R	0.005	-----
YJ63001	R	0.010	-----
YJ63002	R	0.006	-----
YJ63003	R	0.007	0.011
YJ63004	R	0.008	-----
YJ63005	R	0.030	-----
YJ63006	R	0.041	----- <i>4.543333</i>
YJ63007	R	0.002	----- <i>← barren std.</i>
YJ63008	R	0.021	-----
YJ63009	R	0.011	-----
YJ63010	R	0.010	-----
YJ63011	R	0.018	0.013
YJ63012	R	0.057	-----
YJ63013	R	0.008	-----
YJ63014	R	0.006	-----
YJ63015	R	0.004	-----
YJ63016	R	0.003	-----
YJ63017	R	0.003	-----
YJ63018	R	0.003	-----
YJ63019	R	0.014	-----
YJ63020	R	0.020	-----
YJ63021	R	0.014	0.011
YJ63022	R	0.037	-----
YJ63023	R	0.037	-----
YJ63024	R	0.004	-----
YJ63025	R	0.002	-----
YJ63026	R	0.212	-----
YJ63027	R	0.095	-----
YJ63028	R	0.003	----- <i>← std.</i>
YJ63029	R	0.065	-----
YJ63030	R	0.072	-----
YJ63031	R	0.006	0.003
YJ63032	R	0.024	-----

-----  
 Element : Gold Gold  
 Analysis Code: F1  
 Implied units: ppm ppm  
 -----

YJ63033	R	0.021	-----
YJ63034	R	0.031	-----
YJ63035	R	0.089	-----
YJ63036	R	0.013	0.013
YJ63037	R	0.006	-----
YJ63038	R	0.015	-----
YJ63039	R	0.006	-----
YJ63040	R	0.009	-----
YJ63041	R	0.025	-----
YJ63042	R	0.002	-----
YJ63043	R	0.002	-----
YJ63044	R	0.003	0.004
YJ63045	R	0.002	-----
YJ63046	R L	0.002	-----
YJ63047	R	0.002	-----
YJ63048	R	0.002	0.003
YJ63049	R	0.007	----- ← stnd
YJ63050	R L	0.002	----- ← stnd.

Listing Statistics:

Element name	Sym- bol	Anal. code	Total vals.	Element name	Sym- bol	Anal. code	Total vals.
-----	----	--	-----	-----	----	--	-----
Gold	(AU)	F1	64	Gold	(AU)		64



--- Quality Codes ---

Most reporting laboratories use the following quality codes to flag the 'quality' of a geochemical measurement:

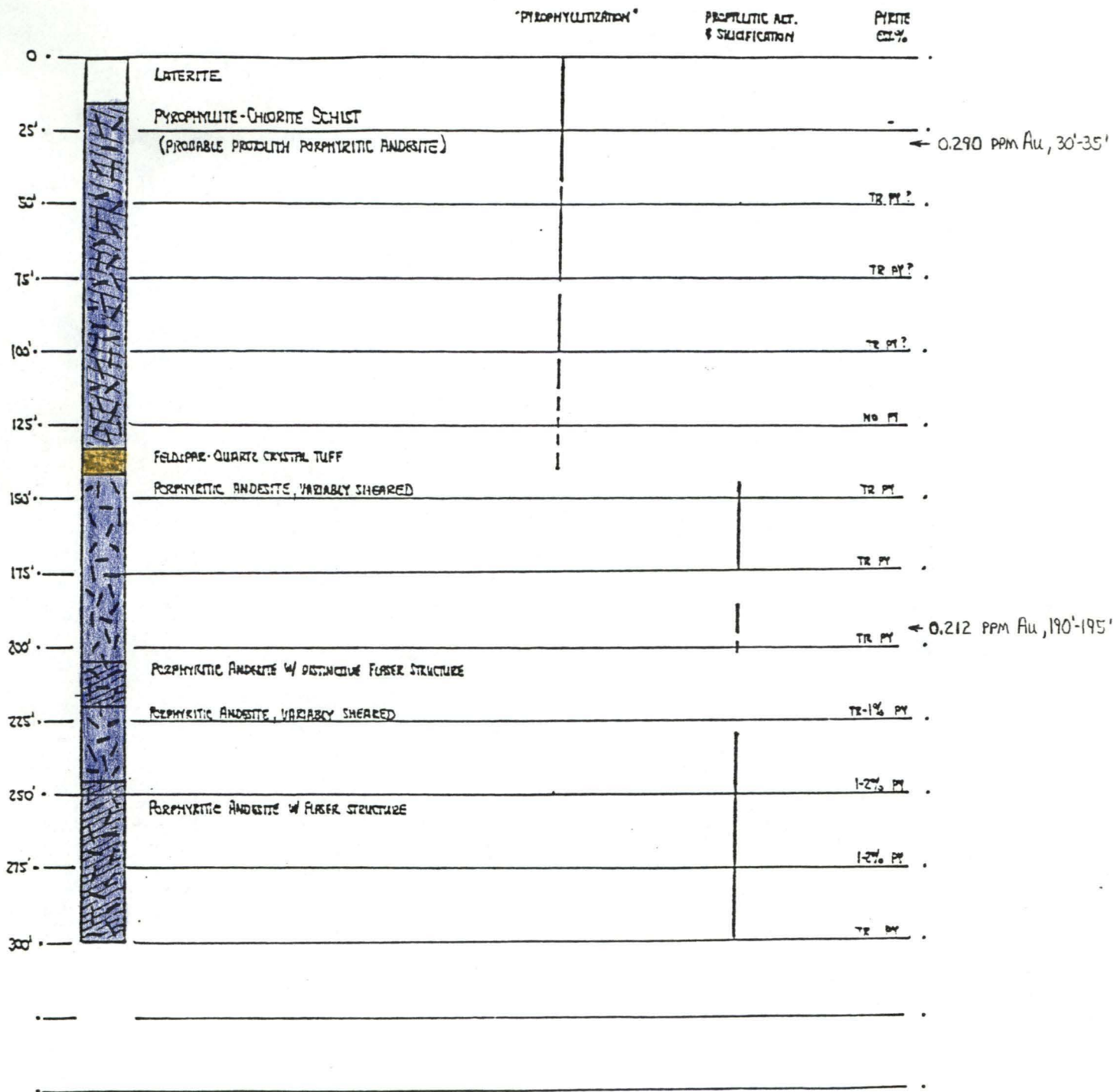
- L = less than the limit of detection
- G = greater than the limit of detection
- H = interference
- S = insufficient sample
- N = undetected
- Z = value forthcoming on a later report
- Q = detection limit on a small sample and 'H' above
- X = analysis not requested
- M = detection limit on a small sample

These codes may not be accurate for some laboratories.  
Consult the Laboratory if you have any questions.

----- End of Listing -----

# DRILL HOLE SUMMARY, YJC-1

MO-C-1-87



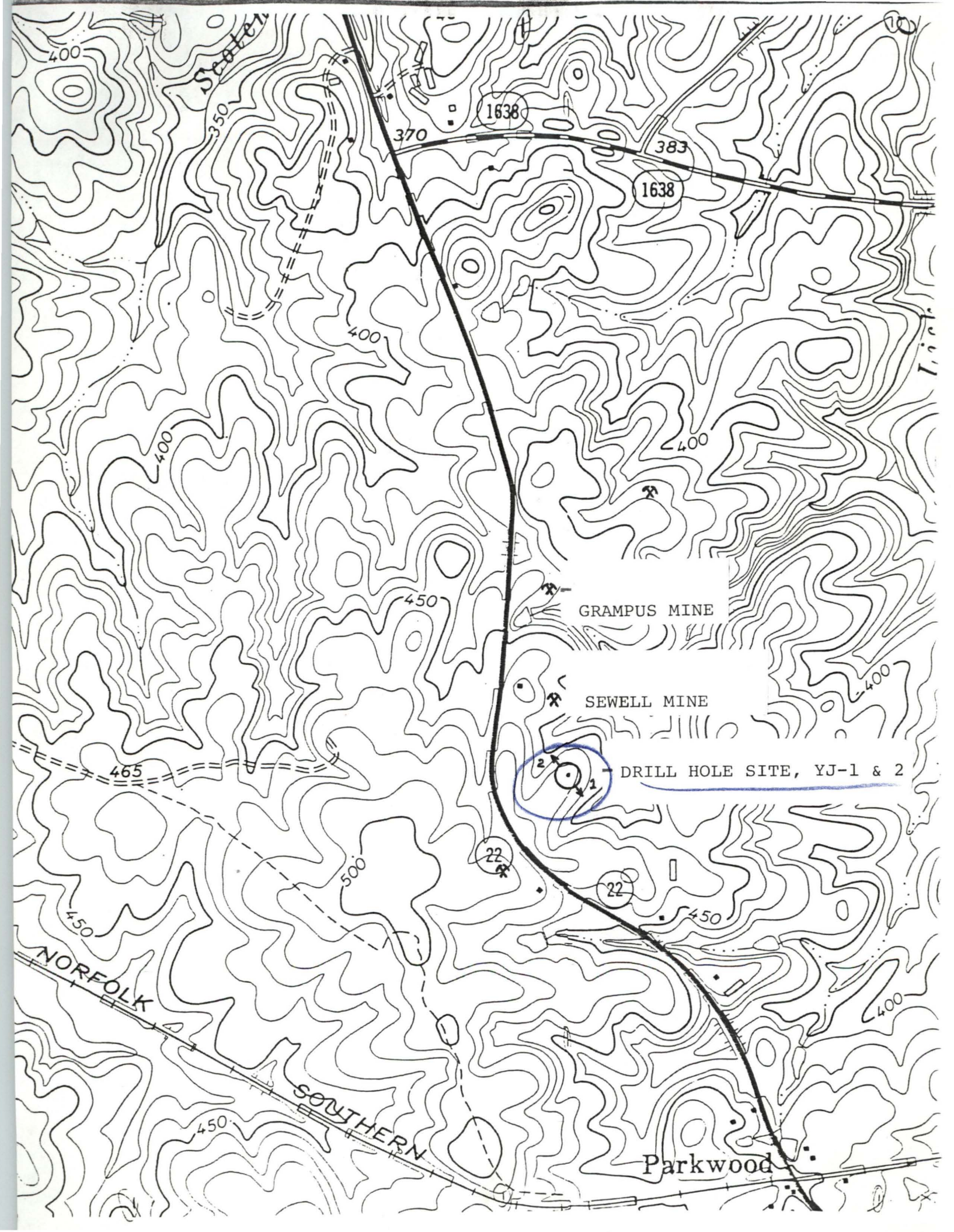
MO-C-1-87  
MO-C-2-87

3925  
27'30"  
3924  
3923  
3921  
25'  
3920

505' ENE  
RAMSEUR 25 MI.  
HIGHFALLS 3.8 MI.

PUTNAM  
7.5'





400

350

1638

370

1638

383

400

400

400

450

GRAMPUS MINE

SEWELL MINE

465

DRILL HOLE SITE, YJ-1 & 2

500

22

22

450

NORFOLK

450

450

SOUTHERN

Parkwood

400