



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines

**Diamond Journal de  
Drilling forage au  
Log B.Q. diamant**

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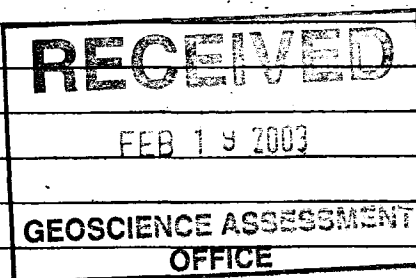
Hole No. Forage n°	Page No. Page n°
NV-02-01	1

Drilling Company Compagnie de forage <b>RONKOR DIAMOND DRILLING LTD.</b>		Collar Elevation Élévation du collier <b>1,263 Ft.</b>	Bearing of hole from true North/Position du forage par rapport au nord vrai <b>330° AZ.</b>	Total Footage Avancement total du forage <b>1000 Ft.</b>	Dip of Hole at Inclinaison du forage au Collar/collier <b>-65°</b>	Address/Location where core stored Adresse/endroit où la carotte est stockée <b>KLONDIKE LODGE</b>	Map Reference No. N° de référence sur la carte <b>NTS 41P/12 SW</b>	Claim No. N° de concession minière <b>PATENT S 19971 G-60-00249</b>
Date Hole Started Date de commencement du forage <b>JULY 02, 2002</b>	Date Completed Date d'achèvement <b>JULY 05, 2002</b>	Date Logged Date d'inscription au journal <b>AUG 05, 02 AUG 17, 02</b>	Logged by Inscrit par <b>DR. PETER FISCHER</b>		<b>500 FL/PI -65°</b>	<b>NORTHVILLE GOLD CORP. CORE STORAGE FACILITIES CHESTER TOWNSHIP</b>	Location (Twp. Lot. Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) <b>CHESTER TOWNSHIP 430465 E 5267248 N UTM ZONE 17 NAO 83</b>	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>NORTHVILLE GOLD CORP.</b>		Date Submitted Date de dépôt <b>FEB. 19, 2002</b>	Submitted by (Signature) Déposé par (signature) <b>P. Fischer</b>		<b>1000 FL/PI -65°</b>		Property Name Nom de la propriété <b>YOUNG - SHANNON GOLD MINES</b>	
					<b>FL/PI</b>			



41P12SW2013 2.24998 CHESTER

From	To	Lithology	Description	Structure	Comments
00	40	OVEN	CASING		
40	70.00	GRANODIOR	ALSO PREVIOUSLY REFERRED TO AS TRONDHJEMITE; massive, mouse grey, leucocratic and without igneous fabric. Sulphide specks (predom py, rare cpy) invariably located on a hairline fracture - as isolated grains and not as 'trains'; plg sauggeritized	Hairline reticulate jointing; muscovite or chlorite infilled with or without sporadic cubic pyrite (no po, no to trace cpy); propylitic alteration	Hairline joints are 6mm apart with long dimension more parallel to CA (at 10 to 20°). A weakly cracked autobreccia. M.S. readings: 0.8 (at 4.5) 2.0 (at 10.8 ft). Aver. sulphide content 1/8 - 1/4%
			12.8 - 15.0 ditto previous; hairline joints at 20° TCA, one occupied by pinch and swell crystalline quartz set in white carbonate (denoted XIQ-CV) with 4mm splashes of cpy matrixing quartz.	With uphole orientation to the left hand, fault displacement of 6 inches is dextral.	Fault is hairline tight and evidenced by drag displacement of 10mm wide XIQ-CV.
			15.0 - 16.5ft; ditto previous, hairline fractures or joints; oxide pseudomorphed by leucorene. 16.5 to 21.3 ft; ditto previous but texturally looks like salt and pepper due to greissenization; sulphides (dominantly cubic pyrite with subordinate cpy) occur in association with quartz (massive or XIQ-CV) in more open joints which have more narrow pyritic greissen haloes whereas the tighter joints/fractures have wider haloes of pyritic greissen. Possibly haloes are wider downhole	widely disseminated cubic py (1mm) 1/16 - 1/8 %.	The following notation will be used: uphole halo (UH), core vein (CV), downhole halo (DH). UH content at 55° TCA at (16.5) and aver 1-4% py (up to 9mm) to 16.78 ft, CV at 070° and 290° to 17.15, DH to 17.55 at 090° and exhibiting noticeable decrease in volume and size downhole. 17.6 UH contact at 055° TCA to 18.0 with increase in size and percent downhole, 18.0 8mm wide porous pyrite XIQ-CV at 055° TCA pyrite 55%, DH to 18.37 at 070° TCA py 2-3% to 7mm;





FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Sample 4 to 9.0 ft 531501		
			Sample 9.0 to 12.8 ft 531502		
			Sample 12.8 to 13.25 veined by XI Q-C vein with cpy, veins (two) at 15° TCA and faulted movement dextral, 531503		
			Sample 531504 13.25 - 16.0 leucoxene bearing sericitized (greissen) Q 'eye' porphyry with tight jointing 15° TCA with minor py (1/4 percent) Approx 'contact' @ 16.0 @ 55° TCA		
			Sample 531505 16.0 to 17.1 weak vein with cpy at 55° TCA @ 16.6 ft, stony mega crystals of py up to 6mm up to 5.7% Contact @ 16.6 approx @ 090°		
			Sample 531506 17.1 to 19.6 three sulphide rich zones from 17.35 to 17.9 with mega crystalline pyrite 5.7% and a vein of XI Qtz FeO <sub>2</sub> with 35% pyrite @ 050°; approx 'contact' @ 17.9 @ 70° TCA; from 18.05 (@ 040°) to 18.2 a Qtz vein with cpy-py with pyrite dispersed marginally so as to sulphidize the host; 19.35 to 19.6 (approx. contact at 85° TCA) Qtz-Carb vein with pyrite (15%) @ 19.55 @ 75° TCA		The host rock is the greissenized opalescent blue Qtz 'eye' phase with leucoxene; essentially barren of sulphides
			Sample 531507 19.6 - 21.3 two sulphide bands centered on Qtz-Carb cpy-py veins		Host is homogeneous light tan grey greissen with leucoxene

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			band one: 20.2 (@ 40° TCA) to vein at 40° TCA @ 20.35 ft, to 20.6 (@ 45° TCA)		
			band two: 20.75 (@ 90° TCA) to 21.3 (@ 90° TCA);		
			Sample 531508 21.3 to 22.9		ess. barren Qtz 'eye' Porph
			Sample 22.9 to 25.6 ditto with 5 sulphide zones, may or may not centre on XI Qtz-CO <sub>2</sub> vein with py and cpy. Veins at approx. 65° TCA. Vein at 25.6 @ 65° TCA	Sample # 531509	
			Sample 25.6 - 30.95 ditto greissen Qtz 'eye' porph with widely spaced discom py; three veins with pyritized margins at 27.25 to 27.3 minor cpy, @ 75° TCA; 28.15 to 28.25 @ 85° TCA with py-py-cpy; @ 28.45 @ 90° TCA;	Sample # 531510	
			Sample 30.95 - 35.9 ditto 'eye' por greissen with pyrite dominant seams 1/16 inch thick and irregular contacts located at 30.95 (at 40° TCA), 31.05 (@ 40° TCA), 31.35 (@ 30° TCA), 31.5 (@ 280° TCA), 31.8 (at 340° TCA), 33.9 (@ 290° TCA), 31.9 (at 50° TCA), 34.3 (@ 70° TCA), 34.55 (@ 75° TCA)	Sample # 531511	weak to moderate light cracking at 30° TCA with pyrite
			Sample 531512; 35.9 - 36.5 massive py 36.15 - 36.15 @ 65° TCA with Qtz-CO <sub>2</sub> and black Tourmaline; marginal sulphidized		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			pyritic halo appears thicker down hole (Tops?);		
			Sample 531513; 36.5 - 40.2 ft. ditto previous, tightly 'crackled' autobrecciated, few Qtz veins with py, or XI Qtz-carb at 37.75 (290° TCA), 38 (70° TCA), 38.55 (290° TCA, XI Qtz-carb-cpy vein),		
			Sample 531514 ditto prev. with XI Qtz-carb vein with cpy @ 340°, disc py, py in Qtz veinlet	Sample 531514 From 40.2 to 40.9.	This is the uphole contact zone with the downhole 'greenstone'
			Sample 531515 40.9 - 45.7 green chlorite rich, schistated mafic with interfingered contact with massive, pinkish "granite" looking facies, extensively tightly crackled (chloritic with few grains pyrite), cut by a number of barren Qtz ± carb veins, XI Qtz-carb suggests veins top down hole	Qtz veins at 42 (40° TCA) to 42.5 (40° TCA), 43.4 (340° TCA), 43.0 - 43.25 (at 325° TCA), 43.35 (at 285° TCA), 43.75 (Qtz plus Tourmaline)	Green mafic from 40.9 (at 45° TCA) to 41.7 where main contact is at 70° TCA, greenstone partly rubble.
			Sample 531516 45.7 - 45.95 halo pyrite marginal to a 3/10 inch vein of Qtz py (40%).		
			Sample 531517; 45.95 - 47.7 massive pinkish granodior - Weakly crackled, cut Qtz-tourmaline vein at 47.85 (at 290° TCA),		
			Sample 531518; 47.7 - 48.2 XI Qtz-carb vein, marginal weathering of host rock	Qtz vein contact at 48.2 at 285° TCA	Host rock is more muscovitic (greisenized) toward Qtz vein, biotite-chlorite clots

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			with intro of white carbonate, flakes of Moly toward downhole contact; flake of VG toward uphole near contact.		have associated cubic pyrite. Down-hole contact with a biotitic (chlorite?) monomineralic schist (a probable damming front).
			Sample 531519 48.2 - 48.6' cracked with with carb is filled chlorite rich mafic; downhole contact sharp at 25° TCA and apparently converging with upper contact. Along basal contact is a Mn XI Qtz - carb vein.		
			Sample 531520 48.6 - 50.9 saussuritized pinkish grey granodiorite, 48.6 - 49.0 XI Qtz - carb vein with flecks epy @ 340° TCA.		
			Sample 531521 50.9 - 55.5 ditto granodiorite, saussuritized with hematite (spec) Alled fractures, XI Qtz - Carb vein at 55° at 330° TCA, 3/4 inch wide, barren with dissem epy 55.2 - 55.5'		
			Sample 531522; 55.5 - 55.9 ft; ditto granodiorite cut by Qtz vein at 340° and near perpendicular to sharp greenstone chl-bio rich schist at 55.9 at 50° TCA; one inch wide Qtz-vein has epy-py but note branching 3/16 inch wide Qtz vein at 90° contains seven flakes of VG.		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Sample 55.9-58.35 biotite-plag-quartz schist or foliated paragneiss unit Sample # 531523	Both contact have an immediate fine grained dense contact facies followed by a folded unit with fold axis approx 65° TCA. The bulk of the unit away from contacts has an openly sinuous attitude parallel to C.A.	Contact at 55.9 is sharp at 55° TCA; at 58.35 also sharp at 300° TCA. At 55.9 contact area the fold suggests dextral movement. At 58.35 movement is opposite (sinistral)
			Sample # 531524 58.35 - 62.7 light pink grey granodiorite, minor pyritized zones 58.35 - 58.6, 14 vein 58.9 (at 260 TCA), 59.35 - 59.6 py zone at 090, XI Q-C vein @ 59.65 - 59.75 at 330° TCA with Tourmaline, 60.45 XI Qtz-carb veinlet with dissem opy @ 5° TCA; at 61.65 Carb veinlet with specular hematite @ 020° TCA		Granodiorite in this interval has undergone sericitization.
			Sample 531525 62.7 - 65.5 sarcosinitized feldspar bearing granodiorite with cleavage like seams @ 085 TCA with sulphides (py, cpy) and chlorite. Sulphide seams or zones of dissem py are 4 in number		Textural zoning in the areas or seams of mineralization (quartzites) are sharp. At 65.07 to 65.5 vein has contacts at 290° TCA
			Sample 531526 65.5 - 70.0 mg pink-grey feldspar-bearing granodiorite; essentially barren	low fracture zones with dissem py @ 30° TCA.	One XI Qtz-carb vein with minor dissem py @ 69.2 @ 290° TCA



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
70.8	100.75	Granodiorite	Ditto previous; granodiorite appears to be massive and light pink grey in colour; comprised of euhedral plagioclase (non transparent, milky white due to pseudomorphism by sericite, sections exhibit greenish tints due to pseudomorphism by epidote.) slightly opaline more idiomorphic quartz phenocrysts set in a highly quartzose matrix which can contain small patches of biotite - chlorite - oxide with thin mantle of leucoxene. There is no magmatic flow orientation or later imposed fabric evident. Invariably barren to few widely spaced cubic grains of pyrite. Variably tightly cracked autobrecciated.	Greissen quartz-'eye' zones grade rapidly into obviously feldspar-bearing muscovitic granodiorite facies. Tourmaline may occur in the host rock and/or the Qtz-carb veins	Conformable zones appear to be similar to 'type' Qtz 'eye' porphyry greissen. Plagioclase feldspar is not evident, rather the matrix appears all muscovitic. The quartz is more idiomorphic and appears more blue opaline possibly false-colour enhancement due to white muscovite matrix. These zones are characteristically sulphide bearing, dominantly chalcopyrite - pyrite with chalcopy occurring as globs in Qtz-carb veins and as interstitial 'non-see'um' clusters. Sulphides describe a noticeable halo marginal to some Q-C veins. It appears the more opaline hue to the quartz 'eyes' occurs in conjunction with the emplacement of sulphides (and presumably Au and tourmaline) and accompanying the destruction of feldspar by sericite/muscovite. Such destruction would lead to textural modifications (ie de-texturing) and

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
					would account for the sometimes
					augen appearance, augen
					distension fracturing and the
					sinuous to anastomosing
					appearance of many of the
					quartz-carbonate veins. Such
					veins are diagnostic of the
					Qtz 'eye' Porphyry greissen.
					These quartz veins were being
					generated/emplaced prior to
					complete solidification of the
					host greissen.
			Sample 531527 70.0 to 73.1 ft ditto	widely spaced tight	
			previous granodiorite, saussuritized	fractures	
			basin except for one of quartz-carb		
			vein 10° TCA. (at 72.8)		
			Sample 531528 73.1 to 74.0 ditto	Two veins are 0.5 inches	
			an 'H' configuration to two parallel but	apart at 73.45 at 295°	
			joined veins 30% sulphides with spy on pyrite	Absence of prominent	
			with dark inter-illite	hole of sulphides	
			Sample 531529 74.0 - 80.3 ditto		
			granodior rare diss py, one XI Qtz-carb		
			vein 1/4 inch wide with py-spy paralleling		
			'H' vein at 320° at 74.4		
			Sample 531530 80.3 to 82.45 type		
			Qtz 'eye' perph. greissen with tourmaline		Sieve-like sulphides difficult
					to see - pyrite scaly-like and

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			and interstitial sulphide clusters (sieve-like) up to 35mm with cpy on py		not highly reflective; essentially unmineralized typical granodiorite occurs as a band - conformable from 81.2 to 81.7 Sulphides average 7 percent.
			Sample 531531 82.45ft to 87.55'	Host granod. has minor	Greissen bands with diss py
			two greissenized Qtz 'eye' porphyry bands at 86.4 to 86.45 and 86.7 to 86.85 at	' diss py; greissen bands @ 55° TCA and downhole at 290° TCA	
				Contacts sharp but not straight - have irregularities	
			Sample 531532 87.55 - 89.40 greissen	Sharper contact at 87.40	Cpy rich alumin from 89 to 89.40
			Qtz 'eye' porphy py-cpy vein at 87.8 - 87.84 at 50° TCA and 1/8 inch wide	at 70° TCA	
			X1 Qtz-carb vein at 87.25 at 320		
			Pyritic rich greissen with included Qtz vein from 88.6 to 88.9 at 60° TCA		
			Sample 531534 90.6 - 91.45 ditto granodiorite, tight fractures, X1 Qtz-carb vein with marginal (up hole) concentration of py-cpy and greissen 'eye' P band with py-cpy (2-3%) from 91.5 to 91.6 (at 320°) with thin py sulpl seam extending downhole at 25° TCA		
			Sample 531533 89.40 - 90.6 granod.	89.7-89.8 @ 70° CA vein w cpy py	interstitial mafics (bio-chl) and oxide

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Sample 531535 91.45 - 93.4 tightly fractured granodior, at 92.35 - 92.5 textural change with diss py 1/2 - 1%	grad contact from 93.1 to 93.4	bio-chl. ex matrics typical for granod; barren
			Sample 531536 93.4 - 96.0 typical greissen with fishroes appearing opalescent blue quartz phenocrysts	Three X1Q-carb veins with sulphides: po on py (93.65 to 93.7), at 60° TCA; 95.35 - 95.55 X1Q-carb vein with tourmaline - carb concentrated toward uphole contact (ie former hanging wall); cont acts at 50° TCA; 95.8 - 95.85 X1Q-carb vein at 30° TCA	No tour present in host, host has diss sulph (py-cpy) 1-3%
			Sample 531537 96.0 - 98.9 wkly cracked greissen Qtz. 'eye' porphyry, type variety	four veins: 96.85 - 97 a X1Qtz-carb-tourmaline vein at 45° TCA, QV lot at 97.65 at 70° TCA; X1 Qtz with py-cpy @ 35° TCA in 98.4	Pyrite in conjunction with chlor breccia inter at 97.85 @ 10° TCA
			Sample N531538 98.9 - 100.75 cracked scuffed grey granodior, py silica white at 300° TCA; py-cpy at 100.55 @ 60° and 330°		
			<del>Sample N521075 added later: 101.0 - 106.75</del> Added on page 12.		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
100.75	196	Granodiorite	ditto previous, more Confederate grey in colour, variably crackled auto-breccia predominately at angles less low to core axis (i.e. 5°). More notable mineralized sections: 100.75 to 101 with XIQtz-carb veins with py-cpy at 100.25 to 100.45 at 75°TCA; trains of Sulph may identify tight fractures. Sample <sup>N521078</sup> N531539 (add later) section 106.35-107.8 <sup>N521076 (later)</sup> granod contains magnetite grains, train of cpy (py) at 345°TCA. Sample 531540 section 108.95-113.5 hair line crackled breccia planes contain py-cpy, in a more greissen Qtz 'eye' porphyry trending facies with diss interstitial py cpy up to 3%; mineralized breccia planes at 20°TCA XIQ-C-py vein at 111.75 @ 50°TCA Sulph trains coincident with fractures @ 20°TCA. Sample 531541 ✓	Vein wanders from 75°TCA to <del>to</del> 350°TCA and then to 75°TCA (down hole) sulphid -es 3-5% sulphides 3-5%	essentially barren except for some veined sections, variably epidotized, specks of bio-chl, leucoxene invariably partly pseudomorphing oxide
				presence of oxide grains up to 5mm	XIQtz-C vein with cpy-py at 110.7 to 110.75 (at 55°TCA) with a more fineline assemblage of breccia planes branching off at near perpendicular angles (20°TCA) Host more like greissen Qip, Note more cpy toward one halo (ie hanging wall)
			epidote-sulph (cpy ± py) joints at 125.55 (at 70°TCA), Py-cpy joint at 133.5 (at 090°TCA), py at 134.5 at 300°TCA, py-cpy at 70° @ 140,	XIQtz-carb vein w py > cpy at 116.85 (at 85°TCA); host has leucox on oxide	
			Sample 531573 XI.Q-carb vein with steeelite at 147.15-147.2 (at 75°TCA) and at 147.35-147.4 Qtz vein with sulph @ 55°TCA	Sample from 146.9 to 147.6 531573	Sulphides cpy on py indicate decrease in sulphur fugacity

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Sample S31550 From 151.4 - 153.75 granod with dissem interst cpy (py) up to 3%	One thin XIQ-C vein at 153.8 at 35° TCA	
			156 - 196 tightly crackled saussuritized and sericitized - chloritic (ie propylitized) Qtz - Feldspar (zoned plagioclase) porphyritic granodiorite; contains dissem mt, sphene, Sample 169.4 - 169.8 vein with po concn up hole and cpy down hole (tops?)	some crackle veins dominate (ie low angle to CA) and can contain py ± cpy. vein 4mm wide at 169.5 at 75° TCA.	Sample # 531555
			Sample 531561 From 190.9 - 191.6	Py-cpy on fracture at 190.9 @ 50° TCA. and cpy with chl-Qtz vein @ 60° TCA @ 191.35 - 191.4	Note crackle breccia planes at 192 at 10° TCA with chlorite - epidote - py ± Galena (at 192.4)
196	203.3	Amphibolite	para and feldspathic, contact zones from 196 - 196.3 and 203 - 203.3 are folded; up hole fold trend subparallel to contact at 330° TCA, down hole fabric trends parallel to granodiorite contact at 330° TCA	At 196 sharp contact with biotite rich mafic schist or foliated para with dominant fabric openly ctenulated and parallel TCA	At 200 an elliptical water "inclusion" of granodiorite with amph. fabric @ 340 TCA Note up hole contact - possible damming front <del>has</del> is saussuritized with epidote joint with py 1/8 - 1/4%
2033	2867	Granodiorite	pinkish grey, crackled with dominant joints at 20° TCA, 50-60 TCA, saussuritized Feldsp - Qtz porphyry. At 280 the feldspar prominent granod is characterized by	Joints can be occupied by Qtz-chl veins with Tourmaline.	A more greissenized section from 2242 - 2261 with 1/4% dissem sulph. Widely spaced tight crackle autobreccia.

From		To	Lithology	Description	Date	Structure	Comments
				Fresh unaltered oxides, remnants include chlorite-epidote and carbonate. A typical propylitized assemblage.		Cracks autobreccin infilled with Qtz-py-subordinate cpy at 243.55 (at 300 and 30) and at 243.8 at 30°C.	at 246.8 - 246.85 - Qtz-carb vein with Tourmaline at 45°C
				Sample 5315 <del>46</del> 273 to 274 includes two parallel zones with 15-20% interstitial sulphides (py, cpy) from 273 to 273.2 and 273.65 to 274		Contacts approximately 280°C.	
						Sharp contact at 286.7	An infilled chl-Qtz-carb vein with dissem. occurs 285.95 to 286 @ 345°C.
286.7	288.25	Vein		A very coarse nonbanded Qtz white carbonate pegmatitic vein, 1/16 to 1/4 irregular slivers of green chlorite occur as inclusions and detached septae of chloritite occurs in the contact zones. A 4cm septa of bio(?) chloritite occurs at 287.15. Pegmatite has few dissem. py.		Conformable contact zone from 288. to 288.25 is largely comprised of chloritite septa interfingered with white carbonate	

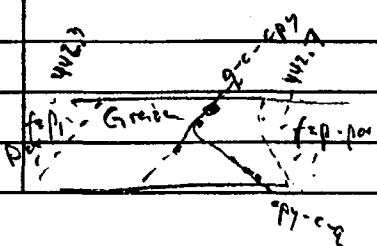
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
288.3		Fragmental	<p>This term is presently employed for a unit previous loggers have described as a mix unit or hybrid. The fragmental unit can be subdivided into a number of facies (which will be identified by using an alphanumeric identifier). The fragmental unit is comprised of a variety of compositions and their textural variants (which probably contributes to the false impression that more varieties exist than actually do.</p> <p>The fragments are rarely matrix supported and actual contacts are variably represented by a small fragment facies. The fragments are not rounded and do not represent a polymeric boulder / cobble bearing conglomerate. Except for a minor number of mafic rich (biotite-chlorite-amphibole bearing) fragments of less definite origin, all the fragments are magmatic. Absolutely none of the fragments exhibit marginal alteration or Liesegang textures.</p>	<p>Fractures can be intensive and involve one element with long strike lengths essentially at low angles to the core axis.</p>	<p>The more 'granitic' looking granodiorites can exhibit low grades of alteration typical of propylitization (development of biotite-chlorite contacts to fractures and within the host lithology and the saussuritization of the (zoned) feldspar. Disseminated grains of sulphides (predominantly pyrite) are minor to rare.</p>

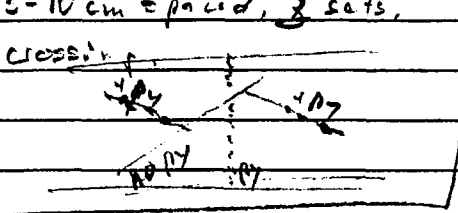


FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			288.25 - 294.9 grey granodiorite with significant bio yielding swirly to fragmental fabric generally @ 50° TCA Textures are not mylonitic <del>is</del> anatectic more probable.	Sharp contact @ 294.9 @ 35° TCA.	
			294.9 - 350.3 block bio (appearing as laths of amphibole) set in a matrix of saussurite, chlorite, biotite, hornblende with some unetched Qtz. This mafic diorite porphyry has been prophylically altered. Samples N531589 to N531599	primary flow (?) alignment to biotite at approximate 0° TCA From 340 - 349 The contact zone from 349.4 to 350.3 (at 20° TCA) is comprised of rounded 35mm inclusions of leucocratic quartz vein remnant, pink granodiorite, composite Qtz-carb veins	Basal. Contact breccia zone along downhole contact only. Shape eliminates septae and sizing may eliminate rip clasts. Matrix not with deformation fabric. Cubic pyrite in host and fragments more prevalent from 349.4 to 350.3
			350.3 - 357.7 light pink grey med to coarse textured granodiorite with prominent leucocrone marginal to and variably pseudomorphing oxides; - Sample N531600	Tight cracked auto-breccia veinlets more typically at 50° TCA. - can contain specular hematite	
			357.7 - 358.5 ditto previous with crossing veins of XI Qtz-carb (HW downhole) with sulphides cpy on py - vein at 359 at 20° TCA on another vein of XI Q-carb with early specular hematite at 358.6 at 330°	Sample # 531547	
			358.5 - 370.3 ditto previous <sup>gr-dior or fsp-porph</sup> with 5-10 cm spaced hairline chlor. veinlets and specular hematite vein 1-2m at 360' 30 TCA	Widely spaced joint/veins of specular hematite generally at 10, 40, 50° TCA.	XI Qtz-carb-hem vein at 45° TCA Qtz v from 387.8 to 389.95 at 50° TCA

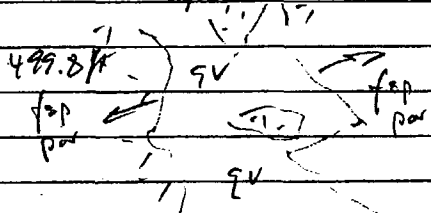
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Trace dissim cubic py and on chlorite veins. At 365' 1-2 cm euhedral carb xtls in 1cm vein qtz + chlor, trace py. Samples N 531602 and 531603		
			370.3 - 377.4 Grey-green granodiorite <sup>or Fe-porph</sup> , 15% blocky chlor. Spk N 531604. Tr py grading to following.		
			377.4 - 384.9 Light gray-pink Granodior / Fe-porph. 3-5% fgr. chlorite. Fe-porph in part bimodal, and gen. saussurized. 2-5 cm spaced, sub-parallel and crossing $\approx$ 1mm chlor-carb veins. Trace $\pm$ plume. Trace diss'd py. At 383.8 - 383.95' of qtz vein 60TCT with 5cm <del>thin</del> rim of $\text{py}$ <sup>17'</sup> , saussurized margins At 384.5' discontin. 1mm chlor. vein + cubic py and 1 1x2mm cpy grain. Trace py, cpy as silvery 5mm patches near contact at 384.9'		
			384.9 - 387.2 f.g. mafic, foliated rock (SS') with 10% oriented (40TCT) mm-cm carb stringers. Mainly fsp-chlor. Trace py, dissim'd. Sharp contact Sample N 531606		
			387.2 - 402.2' Fine grained, light pink Granodior / Fe-porph. Fsp saussurized, 5-10% qtz, 3-5% fgr chlor. 1/2 - 1 ft spaced veins: Mostly q-c $\pm$ spec. hem. At 387.7' 2" vein-bria, xtl c-@ + spec hematite at 388.2 1 1/2" qv + trace fsp Sample N 531607		

		Hole # NV-02-01	Date	Page # 10	
From	To	Lithology	Description	Structure	Comments
			388.7-389.3' Ditto above, with 0.5% diss'd cpy., 2cm qv Sample N531608		
			389.3-402.2 ditto above, with 1/2 - 1 ft spaced q-c-hem veins 5-20° TCA. Trace diss'd ox grains. 2x1-2mm py veins, 80° TCA, 395-395.5, + trace diss'd cpy. 402.2-402.4. csg qtz-carb vein 30° TCA Samples N531609 to -611	Q-c-vein, 30° TCA	
			402.4-403.8 Mafic, foliated chlo-fsp rock. 5% scatt'd mm white carb patches (triangular, filling of bx spaces?) Trace diss'd py. Foliation 40° TCA. Spk N531612	Foliated? Carb-cemented incipient breccia?	
			403.8-409.4 light pink granodiorite / fsp porph. Veh bxia + carb vfg spc hematite. 405.2-408.2' veins and fract sub-   to CTA. Colons of gran-dior Reside-red in bxia zone. Trace py Sample N531613	Vein Breccia	
			409.4-411.3 Mafic chlo-fsp rock, as to 403.8. Introduced by irregular 'fingers' of granodiorite. Trace diss'd py (po). Sample N531614		
			411.3-412.2 Breccia. mm-cm size angular + rounded pink granodior frags. in finer grained bxia matrix (gr-dior) with abundant vfg load spc hematite. Trace py. Sample N531615	Breccia	
			412.2-427.35 light pink granodiorite / fsp porph, ditto above, fsg, rare carb veins, common fractures 70- 80° TCA at 3-10cm spacing. Spls N531616 to -618 427.35-427.9 ditto above, with one 3cm diam. csg patch of chlo, py, cpy, adjacent to <1mm vein carb- spc. hem. Trace py diss'd. Spk N531619		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Granodior - fsp-porph.	427.9-436.0 ditto above: light pink gr-dior / fsp porph Rare $\geq 1$ mm Q-chlor veins. Qtz vein (no chlor) younger than Q-chlor vein. Sple N531620	Q-chlor vein cut by Q-v.	
			436.0-437.0 Qtz-porph G greisen with sulphides. Encloses 0.3' inclusion of gran-dior. Contacts of unit sharp, interlocking. Sulph: py(2-4%), cpy 0.5% Py as sievy 5mm patches, 1mm veins, in 1cm q-v at 436.1 60°C.A.		
			Cpy intergrown with py, in q-v at 436.1, 436.7, 436.8, with py 1% diss'd mt grains (Mag Suse. 11.7!) Sample N531621		
		Granodior - fsp-porph.	437.0-439.5 ditto above, gr-dior - fsp-porph. CRISS-CROSSING, 2-10 cm spaced $\leq 1$ mm q-c-chlor veins, + trace py. Diss'd mt (Mag Suse 3, 5, 9!). Higher density q-chlor, $\leq 1$ mm veins + cpy 438.5-439.5. Vein orientation sub-ll, ~60°C.A. Sple N531622	q-c-chlor veins $\geq 1$ mm + Py, + cpy.	High Mag. Suse. (3-9!) due to diss'mt, vfg.
		Greisen	439.5-440.3 Qtz-porph. Greisen. 5% Py as a) fine dissemin., b) sievy 5mm patches, 2 x 1-2mm veins + q-c. Diss'mt. Trace cpy in q-c-py veinlets. Sharp, irregular contacts. Sample N531623		High Mag. Suse. 6, 8, 7
		Fsp-porph	440.3-442.3 Fsp-porph ditto above (439.5') Trace Py. Sple N531624		High Mag Suse. 5-6
		Greisen	442.3-442.7 Qtz-porph Greisen, sharp irreg. contacts ~ 60°C.A. In center of unit a 2mm c-(g)-cpy		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			vein, with a carb-epy vein apophysis at 90° 2% py as sievy 5mm patches. Epl N531625	vein c-q-epy 50° TCA with 90° apophysis	Greisen zone seems centered around c-q-epy vein MS 1-2
		Fsp porph/ quano-dia	442.7-444.0 Fsp-porph. light grey, 3-5 cm spaced ≤ 1mm py veins + q-c-chlor. Trace py disse <sup>d</sup> Sharp contact 60-70° TCA. Sample N531626	≤ 1mm veins 60-70° TCA	Magn. Susc 4, 6
		Q-porph. Greisen	444.0-446.1 Q-porph-Greisen, with a 0.4' inclusion of fsp-porph. 445.0-445.4 .5-76 py, 0.5-12epy. a) sievy patches, b) in <sup>2cm</sup> (q-c)-veins + py + epy. Cpy on downhole contact of q-v. Sharp grad. contact over 1cm. Sample N531627		Magn Susc Greisen 1.5, 0.2
		Fsp-porph/ quano-dia	446.1-451.0 Fsp porph. 2 sets of chlor-c- (q)- py veins. Trace epy. Sample N531628	≤ 1mm chlor-c veins, 3-10 cm spaced, 2 sets, crossing	Magn Susc. 0.3 0.4 3.7 2.7 1.4
		Q-porph Greisen	451.0-451.25 Greisen, contacts to fsp-porph normal to core axis. In center of unit 1-2mm q-py-epy vein, ⊥ TCA 3% disse <sup>d</sup> py Magn Susc 1.4, 2.7, Sample N531629	 q-py-epy vein 90° TCA	Magn Susc. 1.4, 2.7
		Fsp-porph/ quano-diorite	451.25-456.2 Fsp-porph, pink-gy. 1-10cm spaced ~1mm veins, variably chlor, c-q-chlor, c-chlor-py. At 452.5' 4cm Greisen + q-py-seric vein, 35° TCA. Increase of vein density to 1/cm 455-456.2 Sample N531630		Magn Susc. at ~20cm interval: 2.74 5.7 2.39 0.22 4.4 5.5 2.7 5.1

			Hole # NV-02-01	Date Aug. 02	Page # 21
From	To	Lithology	Description	Structure	Comments
		Q-porph Gneiss	456.2-458.5 Qtz-porph. - Gneiss with 0.2' qtz- (tourmaline-py-epi vein 458.0-458.4, 30° TCA. Qtz vein has 'finger-like' apophyses into host rock gneiss. Cpy in q-v ~ 2% Sample N531631	q-tourmal-sulph vein, 6 cm, 30° TCA Contact to foll. seems gradational.	Mapa Suse, @ ~ 20 cm interval: 1.9 3.6 .57 0.3 2.7
		Granodiorite	458.5-464.9 f.g. granodiorite. 1st half light gray, almost-chlor-free, 2nd half light pink, with 5-10% chlor. Trace sulph, lil py:cpy, as a) scat'd silvy patches (py). b) ≤ 1mm veins: q-c-epy vein 40° TCA at 463.0 Two 5-10mm silvy epy patches at 463.7 Sample N531632		Mapa Suse, at 1ft interval: 7.4 7.8 9.6 5.8 6.9 6.6
		Gneiss	464.9-466.5 Two x 5cm gneiss portions with ± heavy granodior. matrix. Gneiss have distinctly oriented biotite,    to contacts, 60° TCA. 5-7% py, trace cpy mostly in 3 silvy stringers,    to contact, to fol. Sulph with discontinuous q-c veins. Sample N531633	Contacts: sharp, 60° TCA	Mapa Suse: 0.17
		Top-porph	465.5-473.5 talc-porphy (granodiorite?) light pink gray, Top phxts bimodal, saussured. 5-10% chlor, light green, Scatt'd mt grains. 10-20cm spaced ≤ 1mm chlor or chlor-carb veins, + trace py, 30° TCA, 1mm py vein 80° TCA @ 368.7. Sample N531634		Mapa Suse, 1ft intervals: 0.16, 2.66 1.6 3.3 2.4 3.3 0.8 0.12
		Top-porph + UM chlorite	473.5-475.2 Top porph ditto above, with two 0.1 to 0.3 ft ultramafic, fine grained chlorite portions (dykes?). Trace <sup>cubic</sup> py at one contact, in host rock Sample N531635	UM dykes a) 0.1 ft, 20° TCA, b) 0.3 ft, irreg. contact, ~ 70° TCA (only 1 contact preserved)	Mapa Suse, UM: 0.3
		Top porph	475.2-478.8 ditto above, @ 473.5. Within 20cm		Mapa Suse 0.3 0.2

			Hole # NV-02-01	Date	Page # 22
From	To	Lithology	Description	Structure	Comments
			Veins in part off-sect. Trace cpy in py vein 70' TCA		
		Mafic Rock	478.8-495.2 Mafic, foliated, variously textured Archean(?) rock. Pink granodiorite portion 491.2-492.2, Common (5%) mm-cm carb veins/stringers // foliation Trace py. Samples N531637 to N531639	Foliation, TCA: 35° @ 479, 0° (Fold closure) at 489.5, 10 TCA. 480-485, 60° @ 484.5, 20-30° @ 485-493.2 0 = Fold closure @ 393.6, 0 = fold closure @ 494.5. Contact to following 60 TCA.	Magn Susc @ 2 ft intervals:  <div style="text-align: right;"> <span style="margin-right: 20px;">.18</span> <span style="margin-right: 20px;">.45</span> <span style="margin-right: 20px;">.97</span> <span style="margin-right: 20px;">.24</span> </div> <div style="text-align: right;"> <span style="margin-right: 20px;">.33</span> <span style="margin-right: 20px;">.34</span> <span style="margin-right: 20px;">.43</span> <span style="margin-right: 20px;">.4</span> <span style="margin-right: 20px;">0.4</span> </div>
		Fsp porph	495.2-504.1 Feldspar porphyry, similar to above (473.5'). Saussure <sup>2</sup> , bimodal fsp. ~0.5% py, trace cpy in, and adjacent to, $\leq 1$ mm veins: chlor, chlor-carb. A few 0.5-2 cm discontinuous qtz-(carb) veins with minor cpy at 496.4, 497.0, 499.8, 503.5-504.0. Schistose qtz + chlor at contact. Samples N531640 to 531642	Distension qtz-veins at 499.8  	Magn Susc, 1 ft intervals: 0.09 .07 .06 .08 .08 .10 .12
		Mafic Rock (Diorite)	504.1-515.7 fine and medium grained plg - chlor rock (Diorite?) foliated/schistose to 511.0, 6) massive 511-514, plg and 606 1-2 mm amphibole + chlor. <sup>Rare</sup> traces py. Samples N531642-531643	Schistose q-v + chlor 503.8 - 504.1, at lower contact, 45° TCA  Schistose 25-35° TCA 504.1-511. Massive 511-514, slightly schistose 30-45° TCA 514-515.7. Contact 30° TCA,	Magn Susc, at ~2 ft intervals. 0.32 .21 .27 .28 .30 0.30 133
		Fsp porph.	515.7-526.7 Fsp porph., similar to above (473.5'), saussure <sup>2</sup> . Variable veining and sulphide abundance chlor 3-5%. Sample N531644, 515.7-518' trace py in $\leq 1$ mm chlor veins 10-20° TCA Splice 531645, 518'-519.4', ~5% py as silty patches and in vein		Magn. Susc, ~2 ft intervals 0.32 .17 .14 .12 .09 .08 .09 .12

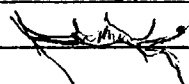
CONDOR BOLL			Hole # NV-02-01	Date August 2002	Page # 23
From	To	Lithology	Description	Structure	Comments
			trace opy, 3 cm qtz vein at 519; 70° TCA	q-v, 70° TCA.	
			Spl N531646, 519.4-521.2 Hau py, opy, assoc'd with clin- chlo. veins 1-2 cm spacing	chlo veins, 1-2cm spacing, 60-70 TCA	
			Spl N531647, 521.2-523.0', fep. par with 0.5 ft Garnet qtz vein at 521.7-523.0 and 2 cm q-v at 521.7'. 2-3 mm py. vein at 522.7' 65° TCA.	Contact to following at 526.2-526.7 at ~10° TCA, irregular, interlocking	
			Spl N531648, 523-526.7. rare <1mm chlo veins, trace py, opy slightly higher chlo. abundance <sup>(5-10%)</sup> fep. par. near contact 526.0-526.7. Contact ~10° TCA	<del>top of mafic</del>	
		'Diorite'	526.7-540.6 ditto above, 511-514, massive fine grained to 527.3. mg (2-3 mm) to 540', fg to 540.6 Possibly chilled margins? 50-60% equant amphi (chlo) 40-50% plag, 5% epidote. Trace diss <sup>d</sup> py. Samples N531649, 531650		Magn. Susc. at 2 ft intervals 0.38 .39 .34 .34 .31 .31 .26 .32
		Fsp-gtz-porph	540.6-545.0 Fald spar - qtz - porphyry. Fsp bi-modal, saussure <sup>20'</sup> . Qtz eyes 1-2%. Qtz matrix. 2-4% chlo. Rare - 1mm chlo. veins. 2 cm XL Q-C-chlo vein at 541.7, 60° TCA, 5 mm carb-chlo vein 20° TCA Contact to following 50° TCA. Sample N531651	XL Q-C-chlo vein 60 TCA 60cm carb-chlo vein 20 TCA. 10cm Q-chlo vein 60 TCA 542.3-542.7	Magn. Susc. at 2 ft intervals. 0.06 .07 .04 .06
		Mafic Volc	545.0-561.5 Mafic volcanic Fine grained 545-553, <sup>Spl N531652</sup> medium grained. massive 557-561.5 Fsp-gtz-porph dyke 50° TCA 555-556.4. Schistose with q-c schistosity 560-561.5, ← 5% py. diss <sup>d</sup> , 563.0-565, Spl N531653	Schistosity 20-40° TCA	Magn. Susc. at 2 ft intervals. 0.28 .25 .28 .29 .23 0.25 .30 .27 .32 .30 ?
		Fsp-gtz-porph	561.5-566 ditto above (to 545.0). 2 cm q-chlo vein 45° TCA at 563.8. C-chlo veins 2-5mm, 50-60 TCA, 2-3 cm = dacite, 561.5-562.3. 4cm chlo vein assoc'd with	carb-chlo veins, Q-chlo veins	Magn. Susc. 0.08-0.10



CONDOR-GOLD			Hole # NV-02-01	Date August 2002	Page # 24
From	To	Lithology	Description	Structure	Comments
			3 cm q-v 20-40 TCA 562.5-563.0. Trace py in rare 1 mm chlor veins, Sample N531656		
		Mafic Rock	566.0-578.5 Fine grained mafic, slightly schistose mafic <sup>chlor-top</sup> rock, with 5% discontin's carb stringers. Trace disse' phosphate py. Samples N531657; 531658	Slightly schistose, 70 TCA 570-575 30-40 TCA 577-578. Contact to following sharp, 25 TCA	Magn. Susc. at 1-2 ft intervals. 0.27 .26 .31 .32 .29 .28 .21 .24
		Fsp-Q-porph	578.5-581.5 ditto above (to 578.5), with trace disse'd py, cut by coarse qtz-chlor vein, 10-20 TCA, 579.4-580.6. Fsp-Q-porph. cut by 1 cm-spaced <1-3mm carb veins. Sample N531659		Magn. Susc. at 8 - 0.09
		Mafic Rock	581.4-588.3 ditto above (to 578.5), chlor-fsp (mafic volcanic?). 5% mm-carb stringers // 5. Trace py at lower contact. Sample N531660	Schistose 30 TCA at 584', 20 TCA at 587'. Contact to following 25 TCA	Magn Susc. 0.31 .09 .26 .28 0.43
		Fsp-porph	588.3-601.8 Fsp-porphyr, light pink, saussureoid 3-5% chlor. 10 cm-spaced 1-10 mm chlor-carb veins, ± py. 10 cm q-v + 10 mm epy patch at 593.1. Samples: N531661, 588.3-589.5 3% disse'd py, trace apy 531662, 589.5-592.8 <sup>with</sup> 1 cm chlor-py vein (5% py) at 591.5 531663, 592.8-593.2, with 10 cm coarse qtz vein, + 2% py, one 10 mm epy patch 531664, 593.2-595.0 trace py, dissemin'd 531665, 595-601.8, chlor veins, 10-30 cm spaced, + 1% py and 2-10 cm spaced, 1-2 mm red-K-fsp? veins; and 10 cm qtz vein + chlor, 600.5-600.8	chlor-carb veins 20-50 TCA chlor-py veins 20-40 TCA chlor-v. // TCA, 30 TCA K-fsp? veins 20-50 TCA q-chlor-v 50 TCA	Magn Susc. at ~2 ft intervals. 0.17 .08 .07 .07 .06 .06
		Mafic Rock	601.8-641.8 ditto above (to 578.5), variously textured, mostly massive, medium grained. (Diorite). Rare trace apy. Q-c-(epid) veins, 2 mm-3 cm, at 2-5 ft intervals	Q-c-(epid)-veins: 2 cm to 6 1/2, 45 TCA, 5 mm, 6 1/2-6 1/2, 15 TCA, 8 cm to 6 2/3, 60 TCA, cut by small fault	Magn Susc. at 5 ft intervals: .37 .32 .37 .37 .28 0.24

			Hole # NV-02-01	Date August 2002	Page # 25
From	To	Lithology	Description	Structure	Comments
			632.5-633.5 1cm q-epid-py vein (12py) with a 5cm epid- alteration halo. Samples N531666 to N531671	q-epid-py 25 TCA, 633' Sharp lower contact 25 TCA	
		Top porph	641.8-643.7 ditto above (to 601.8). Inclusion of fg mafic rock, 2cm diam., at 643.4. Trace py on some fractures.	Strongly schistose lower contact, 18° TCA	Magn Susc. 0.2 - 0.22
		Mafic Rock	643.7-650.0 ditto above (to 578.5). Trace diss'd py. 1-2cm carb vein // S at 648. Sample N531673	schistosity 45 TCA at 647'; 60 TCA at 648' c-v 15-20 TCA	Magn Susc 0.3-0.4
		Top porph.	650.0-659.6 ditto above (to 601.8) upper contact marked by 10cm coarse xl q-c-chlor-py vein. Rare fg 1-2cm mafic inclusions. Sample N531674 650-657.4 trace py. 531675 657.4-659.6. with coarse Q-c-chlor vein from 657.4-658.0; 3cm q-c-chlor at 659.4 Lower contact interfingering with following unit, marked by 5% coarse (3-5mm) py in mafic rock	Q-c-chlor-py 45 TCA 1-2cm py-vein at 651 30 TCA 15-20° TCA 70° TCA	Magn Susc 0.14 .18 .20 0.13
		Mafic rock	659.6-662.7 ditto above (to 601.8). Fine grained, schistose, 1-2% coarse, porphyroblastic py scattered through rock. Sample N531676	Schistosity 20-40 TCA, appears convoluted, at 10cm scale Lower contact 20-80° TCA	Magn Susc. 0.35 0.46
		Top porph	662.7-665.0 ditto above (to 601.8). Enclosed a few cm-size, fg. inclusions. Trace diss'd py, 0.5% py. 1cm bifurcating Q-c-chlor vein at 664.5 with one 5x20mm py patch. 2% py in fg. inclusion. 5% py in a 1cm fg. inclusion and chlor. stringers, 664.8-665.0, near contact to foll. Sample N531677	Q-c-chlor-sulph vein 30° TCA at 664.5 fg inclusion + chlor stringers 30 TCA	Magn. Susc. 0.15


CONDOR GOLD

		Hole # NV-02-01	Date August 2002	Page # 26	
From	To	Lithology	Description	Structure	Comments
		Qtz vein with chlor. stringers	665.0-666.5 Q-(carb)-chlor - py vein weaving along the core axis. Vein + chlor stringers in contact with f.g. mafic rock, and one 4 cm 'slices' of saussured fop porph. 1% coarse py mainly in mafic wall rock, trace py. Sample N531678	Qtz-carb vein and chlor stringers ± along core axis	Magn. Susc. 0.15 .16 .24
		Mafic Rock	666.5-681.7 Mafic rock, similar to above (to 661.0) f.g. - mg. foliated with mm - cm carb. stringers and carb. veining (666.5-672), 675-680 2% mm size oriented qtz patches. Trace trace of py. Sample N531679, 531680, 2 x 5 mm lens of spec. horn at 667.3'	Weak schistosity, TCA: 10-30° 665.5-675. 30-40 675-681.7. Chlor-carb veins 20-30° TCA 668-670°	Magn. Susc. 5.11 inter v. .34 .33 0.5
		Fop-Q-porph	681.7-717.8 Fop-qtz-porph, light gray. Fop bimodal 2-3% blue qtz eyes 5-10% chlor, 20% qtz ground mass. Trace chlor py, variable veining (q-c-chlor-biot): 681.7-685.0, spk N531681, mm q-c-py (cpy) veins at 10-20 cm spacing, 685-688. 8 cm qtz-chlor-v + 5% cpy at margins. with 1/2 ft portion to 685, of 3 cm spaced 1 mm chlor-carb veins + trace cpy. Spk N531682, 685-690' 5-20 cm spaced 1 mm chlor veins 531683, 690-695: 2 cm q-c-chlor-biot-py (cpy) vein. Trace cpy 531684, 695-700: At 695.5 two 5 mm q-chlor-py veins. At 699-700 3 cm spaced 1 mm chlor-carb-py veins 531685, 700-705: 1 ft with low spaced 1 mm biot+py-chlor veins of deformation zones (F?) 702-705: groups of sigmoidal, biot-filled fractures, i.p. with cpy (702'). 703-705 2-10 mm biot <sup>py</sup> patches 531686, 705-710: 1-4 cm spaced, crossing 1 mm chlor fracture (crackle bxia?) + trace py. 1-3 cm q-c-biot-py veins 30 TCA, at 708.5 and 708.6. Chlor-py filled fractures + small Faults, 709-710'	q-c-sulf veins at 45 to 70 TCA - 65° CA → 30-40° TCA → 20-30° TCA, at 691.4' 3 cm py → 70-80 TCA → 45 TCA = ST ST - biot-filled fractures - bxia? - crackle bxia? →  0° TCA c=40 TCA	Magn. Susc. 0.1 - 0.4

Tectonic stress. Biotite<sup>(+py)</sup> stringers  
void-fillings of auto brecciated  
Fop-Q-porph (semi-solid?)

		Hole # NV-02-01		Date August 2002	Page # 27
From	To	Lithology	Description	Structure	Comments
			531687, 710-715: at 712-713 1-5 mm chlos - py-filled	10 and 50 TCA	
			fractured/surround faults. At 714.4 and 715.0, 1cm		
			dk gray, 1/2-nick, with 2% disse of py, 1/2 cpy	30 and 60 TCA	
			531688, 715-717.8 1-2cm spaced $\approx$ 1mm chlos inlets	'cradle beds'?	
			+ 1/2 'helo' + 0.5% disse of py (cpy). Sharp wavy contact (dit)	<del>10 and 30 TCA</del> of 0-30 TCA	
		Mafic Rock	717.8-719.0 f.g. mafic chlos - carb. schist	strong foliation 40 TCA	
			Sharp, wavy, lower contact	~ 40 TCA	
		Fsp porph	719.0-727.0 ditto above. 2-4 cm spaced $\approx$ 1mm	veins crossing, 30 TCA and	Increasing sulfidation?
			chlos veins, locally with trace py. Spk N581690	60 TCA	
			Spk N531691, with several 1-2 mm chlos - cpy veins	50-70 TCA	
			with spacing 5-20 cm.		
			Continue on p. 29		

			Hole # NV-02 - 1
From	To	Lithology	Descrip
		Q-Top Porph	727-756.7 ditto Sample # 531692 2-5 cm approx trace disseminated py.
			531693 foliated mafic rock, 1
			531694 fop porph 1-3 cm spec
			531695 mafic schistose rock, c
			531696 trace py in dark vein
			531697 ditto above (-696)
			531698 4 cm of quartz + calc
			531699 fop porph with 10-20 cm veins of TCA
			531700 ditto above, with 5-10 cm several 1-2 cm wide zoned conduits at 756.7' sharp.
		Propylitic Q-Top Porph	756.7-762.3 Propylitic porphyry, variable fop mineralogy and abn cpy. Samples: 531701 with several 2-5 in c-v and chl
			531702 Ferrug: - 30-40 cubic py. Trace cpy in veins < 1
		Fop Porph + qv	762.3-765.0 Fop-porph 1 mm py vein 70 TCA at 76 531703, 762.3-764.5, trace 531704 10 cm thick qv-carb margins. ~ 2% mm-size

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		'Diorite'	765.0 - 1,000 Mafic rocks of variable texture and composition. <sup>Thin platy columns</sup> <sub>2 examples:</sub>		
			531705, 765-772', foliated mg-cs diorite		
			531706, 772-779.2 similar above, with ~10% mm carb (qtz) stringers // foliation. (coarse/1cm) porphyroblastic carb.	Fol 35-45 TCA	
			XTCs 775-775.4		
			531707, 779.2 - 781.2 UM chlor-biot schist, vfr	25 TCA contact	
			531708, 781.2-790. 'Diorite', weakly foliated		
			531709, 790 - 800', ditto above, with lg UM biotite	Strongly foliated, 15 TCA <sup>798.5-799.5'</sup>	Magn Sinc 0.35
			790.6 - 791.2	30 TCA	
			531710, 800' - 809, mg. fold <sup>mafic volcanic?</sup> 1% porphyrobl. in clusts.	S 0-20 TCA 800-807	
			with carb stringers // S.	S 40 TCA @ 808'	
			531711, 809 - 810.5 'diorite', blotchy, biot-rich, carb-patches	Schistose <sup>3'</sup> zone of 809' 40 TCA	
			with c. 5% ep, cs py	cont 810', 0.2' UM biot schist	
			531712, 810.5 - 814.0 'diorite', mg, massive, comp. vfr		
			531713, 814 - 815, ditto above, trace py, py	S 25 TCA + carb stringers	
			531714, 815 - 820, 'diorite', ditto above, massive		
			531715, 820 - 824, mafic, fg-mg, banded.	upper contact 40 TCA,	MS 0.35
			Bxite 823-824, more felsic, fg, diorite matrix		
			531716, 824 - 832.6 'diorite', mg, massive to banded	weak S 15 TCA, fold	MS 0.32 0.36
			531717, 832.6 - 836.9, fg, foliated, mafic rock.	closure @ 830'	
			Trace MoS <sub>2</sub> in q-c vein, with trace py, at 835.9.	S 10-20 TCA. <sup>lower</sup> Contact 40 TCA	MS .22 .24 .28
			531718, 836.9 - 843.0. 50% qtz veins, cutting fg mafic rock at high angle, c. 1% <sup>PO</sup> py (locally 5% py), <sup>trace</sup> MoS <sub>2</sub>		
			531719, 843 - 845.9 'diorite', foliated, mg, biot-rich, 1% disseminated	S 15-20 TCA	MS 0.3
			3cm band of c-chlor-qtz + 5% py 344.4-345.9		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		'Diorite'	Sample # 531720, 845.9 - 850. 'Diorite' biot-chlor, Tr. py	50 - 30 TCA	
		(cont'd)	531721, 850 - 860. ditto above, weak fol., trace py	50 - 15 TCA	MS 0.3
			531722 860 - 863.0, ditto above, Tr. po, py, At 861, c.g. q-fsp min + 5% c.g. py	50 - 30 TCA	MS 0.4 - 0.5
			531723, 863 - 864.6, ditto above, with 74 cm c.g. fsp-chlor - carb - plag - py vein // s. 5% py	vein 15 TCA	
			531724 to 531727, 864.6 - 887.2, diorite, mg. mass + fold	50 - 20 TCA	MS 0.3 - 0.4
			531728, 887.2 - 889.8 fg biotite-chlorite schist 1% py	50 - 20 TCA	MS 0.3 - 0.45
			531729 889.8 - 895.8, 'diorite' blocky biot-chlor, massive		MS 0.35 - 0.45
			531730, 895.8 - 899, ditto above, with two 0.7' coarse q-fsp - (carb) - biotite veins.	vein contacts, 60 - 80 TCA	
			531731 - 531733, 'diorite', c.g. massive 899 - 910.5. Grading to foliation	~ 2-5% cl - 5 cm q-c. veins <sup>50-80 TCA</sup>	MS 0.4 - 0.5
			531734, 910.5 - 918, 'Gneiss' / fsp - poeph. Pk. success'ed fsp. 106 biot. Trace chlor cpy		MS 0.2 - 0.25
			531735, 918 - 921.6, 'diorite', light <sup>trace py</sup> mass, plag-chlor. <sup>trace chlor</sup> veins		
			531736, 921.6 - 926.0, ditto above. Trace py in carb-q-v	921.6 - 0.5' biot-chlor schist 30 TCA	
			531737, 926 - 935.3 ditto above		
			531738, 935.3 - 937.7. Fsp - poeph, c.g. ditto above (to 918') trace diorite py, cpy. 2 mm cpy grain in 5 mm q-v at 937.7	4 cm q-c-chlor-py-cpy vein at 935.7, 50 TCA; 3 cm q-biot vein at 937.3, 50 TCA	
			531739, 937.7 - 940.9 'diorite' ditto above		
			531740, 940.9 - 941.5 'fsp - poeph', c.g. ditto above (to 918'). 1 x 2 cm 'sieve' cpy patch at 940.9. 4 cm q-c-biot vein with 1% cpy	at lower contact, 50 TCA	
		'Diorite'	'Diorite' 941.5 - 1000 ft. Samples 531741 to 531753. - Massive, medium grained, variable texture. Veins at 1-5 ft intervals: Barronite-carb	veins 40 - 70 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			- chlor - biotite veins at: 942.6 - 942.9 q-c-chl.	- 70 TCA	
			949.1-2 cm biotite 55 TCA; 949.3 5 cm q-c-biot;		
			952.8 3 cm q-chl-biot. 50 TCA; 954.6-955 q-c-biot.	- 30 TCA	
			955-958 1 cm biotite-veins and q-c veins at 10		
			cm spacing, 50-60 TCA: 957.6 - 958 q-c-biot;	60 TCA	
			968.5 - 969.3, Sample N531746, 1/2 UH chl - biot.	- 50-60 TCA	
			lower 1/2 coarse qtz - carb.		
			996.6 - 998.2, Sample 531752: coarse qtz - diorite,		
			sharp transitional contacts to 'diorite' 65-70 TCA		
	1,000		END OF HOLE		





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Northern Development  
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**Diamond Journal de  
Drilling forage au  
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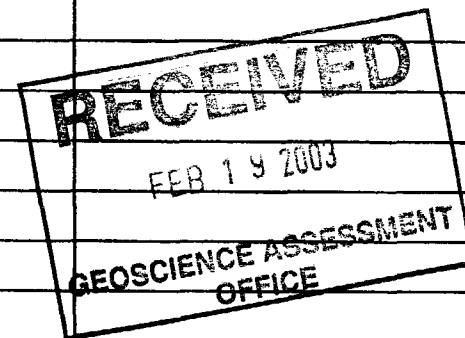
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Drilling Company Compagnie de forage <b>RONKOR DIAMOND DRILLING LTD.</b>		Collar Elevation Élévation du collier <b>1,257 ft.</b>	Bearing of hole from true North/Position du forage par rapport au nord vrai <b>330° Az.</b>	Total Footage Avancement total du forage <b>1,100 ft.</b>	Dip of Hole at Inclinaison du forage au Collar/collier <b>-75°</b>	Address/Location where core stored Adresse/l'endroit où la carotte est stockée <b>KLONDIKE LODGE NORTHVILLE GOLD CORP. CORE STORAGE FACILITIES CHESTER TOWNSHIP</b>	Map Reference No. N° de référence sur la carte <b>NTS 41P/12SW</b>	Claim No. N° de concession minière <b>PATENT S 20096 AND S 19972</b>
Date Hole Started Date de commencement du forage <b>JULY 6, 2002</b>	Date Completed Date d'achèvement <b>JULY 9, 2002</b>	Date Logged Date d'inscription au journal <b>AUG 12 - SEPT 2 2002</b>	Logged by Inscrit par <b>DR. PETER FISCHER</b>		<b>1,100 FLPI -75°</b>		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) <b>CHESTER TOWNSHIP 430966 E 5267534 N UTM ZONE 17 NAD 83</b>	Property Name Nom de la propriété <b>YOUNG-SHANNON GOLD MINES</b>
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>NORTHVILLE GOLD CORP.</b>		Date Submitted Date de dépôt <b>FEB. 19, 2002</b>	Submitted by (Signature) Déposé par (signature) <b>P. Fischer</b>		<b>FLPI</b>			
					<b>FLPI</b>			
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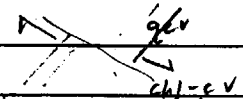
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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS	
0	7.0	OB	OVER BURDEN			
7.0	?	Q-Porph Gneiss	Quartz - Porphyry Gneiss. Color light-greenish gray. Mineralogy: ~ 1/2 quartz grains (0.5-2mm); 1/2 very fine calcite as matrix. Accessory minerals: Sulphides (pyrite, pyrobitite, trace chalcopyrite) trace to 3%; trace tourmaline, chlorite. Texture: Massive, to weak fabric. Qtz grains roundish. Locally vuggy. Scattered qtz (+ calcite) veins. Details of composition, textures, veins, sulphide abundance will be mentioned for each sample interval. Samples: N531754, 7-12.8': Qtz grains 1-3mm, color med.-gray to py 531755, 12.8-16.5': Color light gray. 1cm q-v at 14.7'. Generally trace py. 8% py. 16.3-16.5' 531756, 16.5-18': Vuggy, 1% py. 3% py along 2cm q-v, as a discontinuous 3mm stringer. Trace tourmaline. 531757, 18-22.5'. 1-2% py + py, as scattered patches (every) 531758, 22.5-27.5'. 0.5% py as every grains, trace q-py 531759, 27.5-31.0'. Common vuggy patches + lines. 531760, 31-33.5'. 2% disse' py. 2 vuggy 5mm q-v, trace tourmaline. 531761, 33.5-38'. 0.5% v-disse' py (po). Trace tourmaline. Trace 2-3mm py patches, 1cm qv + 1cm po-patch, trace cpy			
				Fractured		
				q-v 30%, +		
				2 vuggy 2-4mm veins, 50 TCA at 22.8'	Sulph. patches widely spaced, size 1mm-10mm.	
				weak fabric, 45 TCA		
				q-v 45-50 TCA		
				q-v 45 TCA		



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-Porphyr	531762, 38-39' 5-7% py as 1-10 mm sievy patches		
		Greisen (cont'd)	Two 1-2 cm q-py vein + 2% cpy. Clusters of fg tourmaline 531763, 39-44' Trace of dis'd po. tourmal. 4 x 0.1-0.5 ft irreg, vuggy partings, limonite-stained.	q-py vein 50 TCA, crossing	
			531764, 44-50' locally 2% sievy py patches, 1-2 mm Trace of dis'd po, tourmal.		
			531765, 50-55.0 ditto above. Trace to 0.5% po as vfg dissem. and 2 x 1mm veins. Trace tourmal.	po vein = 60 TCA	
			531766, 55-57.4 ditto above. Trace to 0.5% po. 56.1-56.4 two limonite-stained 1mm vuggy veins		
			531767, 57.4-60.0 ditto above. Trace po, dis'd; rare 3-5 mm po patches	2 q-v 1-2 cm, 65 TCA	
			531768, 60-65' ditto above, trace po dis'd. Two <sup>vs 887</sup> q-veins + py + 1-2% cpy, 2-3 cm, limonitic: a) 60.9, b) 62.8.	q-v-py-cpy veins a) 65 TCA, b) 20 TCA	
			531769, 65-70, ditto above. Two 0.5 cm q-v with 0.2' limonite- stained halo. Trace dis'd po. tourmaline.	q-v 60 TCA	69-70' 5% 5mm sievy py patches
			531770, 70-75, ditto above. Trace dis'd po (py), tourmaline	71.2-71.6 two 5mm qv, 60 and 75 TCA	with assoc'd 1x3cm clusters of tourmal + qtz 'flooding'
			531771, 75-79', ditto above. Trace dis'd po (py), tourmal.		Increase of dis'd py to 5% at 78.8.
			531772, 79-81.2. Similar to above. 1 barren q-c-v 4cm, 4 x 0.5-1 cm q-c-ckl-py-cpy veins at 0.5' spacing. Scatt'd 4mm sievy py patches. Total py estim'd 5-7%, cpy 0.5%.	q-c-py-v 25% and 50 TCA One 5mm cpy grain in q-py vein at 81.1	
			531773, 81.2-83.5 Similar above. Q-purple Greisen. Trace - 0.5 dis'd of sievy py (po). trace tourmal.	82.6-83.5 mm-q(c) veins 50-70 TCA ± py.	
			531774, 83.5-85.0, ditto above, with xl-c-q-tourmal vein 2% py as sievy 2-5 mm patches	vein 15-20 TCA, cm-size 'halo' of f.p. tourmal. ?	vein boundaries not straight, but meandering, enclosing 5cm patches of Q-purple host rock
			531775, 85-90, ditto above. 5% po, py, scatt'd patches.	Q-seric-ckl vein, 1-10 mm, 10 TCA	
			531776, 90-95.0, ditto above. 0.5% dis'd po, mm-sievy patches.	93-94' 3 x 5mm q-seric (± po) veins 50-70 TCA.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-Porph-	trace to xmaline		
		Greenish/cont	531777, 95.0-100.0, ditto above. 1-3% py, po, trace epy as min. 'sievry' patches, increasing from 97'-98.9' 3cm q-v + 1% MoS <sub>2</sub> , 1% epy	q-c-veins, 1' spacing, 65-80 TCA	MoS <sub>2</sub> , epy in qv
			531778, 100-102.2, ditto above, 0.5-1% po in Q-patches	Q-c-vein 75 TCA @ 101.4, with	
			limonite-stained portion 100.7-101.4.	8mm enclosed qtz etc	
			531779, 102.2-105.0, ditto above. 0.5% po as 0.1-3mm sievry patches. At 105' 1x3cm cluster of tourmal + qtz	At 202.5' cluster of 3-5mm q-v + trace po, 50-60 TCA	qv in sharp bands
			531780, 105-110, ditto above. 0.5-1% po	@ 107.8' 4cm barren q-v 55 TCA	
			531781, 110-115, ditto above, 1-2% py, 1% py as scatt' sievry patches. Trace epy @ 115'. Limonite-stained 8cm portion @ 114'	2x1cm q-v @ 113.-113.4, 50 TCA, 4% po Rare kaolinite ektm-v 15 TCA 114-115'	
			531782, 115-120, ditto above. 0.5% po, py, 'sievry' 0.5-5mm patches	Rare, discontinuous, 2mm to 1cm q-v	
			119-120. 1-3mm q-c-tourmal-po veins, cm-spaced	65 TCA.	
			531783, 120-125, ditto above. At 120.1 2.5cm sievry po patch		
			123.5-125' 2-3% po/py as 2-10mm sievry patches, qtz.	sievry patches qtz-rich, no seric	
			531784, 125-130, ditto above. 0.5-1% po/py in veins 129-30'. Trace epy in qv	1cm q-v 65 TCA @ 129.1	
			limonite-stained 126.7-127.5, 1% po.		
			531785, 130-134.5, ditto above 1-2% illite po/py and sievry patches, also in kaolinite veins. 2-3% green chlo patches	133.4-134.6 <sup>nonmetallic</sup> q-c-vein 1% po 45 TCA	2cm size inclusions (Fsp, po, ph?), less qtz
			531786, 134.5-135.5, ditto above, with 5% po as patches, 1% py. tourmaline as 1cm size, circular clusters.	132.6, 4mm q-c vein, trace po, 60 TCA	10% chlo, trace po
			Q-c-sulph vein 134.7-134.9, with 5-10mm patches, po-epy	Q-c-sulph vein 70 TCA + po-epy	Q-c-sulph veins with sharp bands to host rock
			531787, 135.5-140, ditto above. 0.5% po/py in clust'	Two 1-2mm q-sy-tourmal. veins 60 TCA	2x1cm chlorite? inclusions, 1% chlo, 1% po
			At 139.8 a 4mm c-q-py-epy vein, with sulph inclusions, with down-hole host rock. Sulph mainly on down-hole wall. ('HW')	45 TCA	
			531788, 140-144.2 ditto above, 3% py 140-142, 0.5% po, py to 144'		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-Porphyr Gneiss (cont'd)	531788 cont'd Irregular, cm - gtz patches (irreg. veins: 140-141)	2 x 5 mm g(c) veins 60 and 70 TCA	
			531789, 144.2-147, ditto above. 0.5-1% po (silv) & 0.5% CPYAS sievey 1cm patches 146 and 147	141-142' Fractured & 2 TCA 143-143.5, limonite - stained	
			531790, 147-150, ditto above. Trace po, py	fractured & slides, 2-5cm	
			531791, 150-151.5, ditto above. 3% po (py), sievey. Irreg. discontin. gtz veins 150-150.5	2 spacing, 15-25 TCA weak fabric 30 TCA	
			531792, 151.5-156', ditto above. 0.5% po py, disc'l. Trace MoS <sub>2</sub> , ep <sup>in g-v</sup>	3 mm g-py vein at 149.8' 3 cm g(c) vein 70 TCA	at 155.0'
			531793, 156-160'. ditto. 1% po (py) sievey	2cm g(c) vein, 70 TCA	
			531794, 160-165'. ditto above, weak fabric. 0.5% sievey po, py.	163-165' 3 x 1cm Q-c-v 60-70 TCA, etc.	
			531795, 165-170. ditto above. 0.5-1% py - sievey, bling. g-c-v at 172.6' 6 x 5-10 mm g-c-v, 1/2' spacing, 50-70 TCA	weak fabric 20 TCA	
			531796, 170-175'. ditto above, 2-3% sievey po (py), 5-10mm.	weak fabric, 20 TCA, 10mm g-c-v	
			531797, 175-178.2. ditto above. 1% py, sievey.	v v 20 TCA,	
			A1177.7 1cm g(c) v 60 TCA, with ductal off-set on clmm chl-c-v		
			531798, 178-185'. ditto above. 2% py (sievey). Trace tourmaline	1mm po vein 40 TCA at 183'	one sievey py patch 2 cm size
			531799, 185-192, ditto above 1% each po, py. 5mm g-c-v at ~1 ft spacing. Trace tourmaline. Rusty, vuggy g-c-vein at 189.5'	g-c-v 40-60 TCA. Distinct fabric of matrix & veins at 50-60 TCA	
			531800, 190-195.3. Similar to above but colour mottled, dark-green-gray, due to chlor(?) forming 1/2 of matrix 3-4% py as <del>ep</del> , sievey patches. Trace ep py g-v at 195'	fabric 30-40 TCA 8mm g(c)-v 60 TCA at 191.6'	Possibly core missing between end of Box 10 (195.3) and start of Box 11; lithologies don't match and core tags were out of order. tag 5 ft.
			531801, 195.3-203.2. Q-porph. Gneiss, ditto above (190'). Colour light-greenish gray. 2-3% p (sievey) to 198'. Trace 0.5% py to 203.2.	Intermittent g(c)-v 60 TCA at 202.3' 1mm chl-c-py-py-ep py vein at 191.9'. Q-v at lower contact	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-porphyr.7 Greisen (cont'd)	531802, 203.2-206.2. Similar to above, with 25% 1-5cm thick q-c-py-c py vein, at low angle to core axis. Py in vein 10% cpy 1%. Vein ends at 206.0'. 1cm py // CT 204.5-205	q-c-sulph veins 10-30 TCA, 'breaching' enclosing host rock, discontinuous	
			531803, 206.2-207.0. Q-porph-Greisen, cut by 8cm conc. qtz-carb-tourmaline-py-c py vein. Tourmal. 5% <sup>PO</sup> 2% cpy 15% of vein. Carb at down-hole wall of vein (HW?) at 206-206.3. 4mm $\times$ 1 Q-c-py vein	8cm q-c-tourm-sulph vein 35 TCA. Tourm and cpy ac'ns $\perp$ to vein. 1cm qv at 208.0. 60 TCA + py - 10-30 TCA	
			531804 207-210. Q-porph greisen, 2% tourmal. Accessory tourmaline, disse and ac clusters. 2 discontinuous c-q-veins, 1/2-2cm, at low $\angle$ to CT	c-q-v 10-30 TCA	
			531805, 210-215, Q-porph-greisen, ditto above. Trace py, tourmal limonite-stained irregular outlined zone 210.8-211.2, avg. with mainly chlorite in matrix.	1cm q-c-v 70 TCA at 210.5 3q-c-chlor (py) veins 1-10mm, 212-212.4, 50-60 TCA.	
			531806, 215-220, ditto above. 0.5-1% py, concentrated 215.7- 216.5 (est. 5-7% in this interval) as disse. and dis confine. veins.	1cm q-c-v 30 TCA at 219.3	
			531807, 220-225, ditto above. Trace py.	1mm q-c-chl-py vein 65 TCA, 221.4	
			531808, 225-230, similar above, colors becoming medium grey Trace py, disse. Trace tourmal. 2cm limonite-stained at 226.6.	226' 1.5cm q-c-vein, bifurcating. discontinuous, 30 TCA	
			531809, 230-232.8, ditto above. 1/2 disse <sup>4</sup> py 232.6-232.8	Sharp contact marked by 5mm q-c-chlor vein, 25 TCA, <sup>+ 5 ticks.</sup> FAULT??	Contact is possibly a small fault + vein.
232.8	243.0	Diorite	Medium grained. fepi-chlor rock with igneous texture. Grain size gradually increasing from 0.5-2mm. Massive. No qtz. Minor clinopy. accessory py. Samples: 531810 232.8-233.5. 3% disse of py veins	fg foliated, 10 TCA, 232.8-233.5.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Divide	upper contact, with crossing 3-10 mm q-c-chlor veins	30-40 TCA.	
		cont'd	Fractured at 5-10 cm intervals	FAULT gouge, 20-30 TCA, 234.0-234.7	
			531811, 239.5-241.0. ditto above. With 1.5 cm vein of coarse, crystalline qtz, siderite, chlorite, with 2% pyrite	q-c-py <sup>chl</sup> vein 5-15% TCA	vein is vuggy, qtz and carbonate xls in part coarse, euhedral
			531812, 241-243.8 ditto, ditto above (to 239.5). One c-v., one q-c vein 242-243'. Trace py.	q-c vein at 242.6 shows closure. Carbs downhole (HW?)	medium grained
			Contact at 243.8, not preserved		
243.8		Qtz-Porphyr Greisen	Quartz-porphyr greisen, ditto above. Colour light-medium green-grey. Details described for individual samples: Samples		
			531813, 243.8-246.0. Q-porph-greisen, vuggy, 1% diss'd rusty py, abundant (1%) accessory, fine tonalite. Several vuggy q-c-veinlets.	weak fabric 25 TCA vuggy q-c-veins, 2-5 mm, 10-25° TCA	
			531814, 246-250, Q-porph-greisen, ditto above, Colour medium-light greenish grey. Massive. 1-2% py, <sup>silv</sup> inclusions and distinct <sup>ve</sup> vein-stripes. Fractures 1' spaced, 15 TCA	py striations 60 TCA. 4 mm q-c 20-30 TCA.	
			531815, 250-255, ditto above, 1% py (silv grains), trace tourmaline trace opy, MoS <sub>2</sub> . At 251.4: 5 mm discontinuous py vein (trace py), with chlor. v., with 4 cm halo of diss'd py.	60 TCA, py-chl vein	
			531816, 255-260, ditto above. 0.5% py as scath'd silv grains. trace tonalite. Dms 1-2 mm q-c-(py) veins	weak fabric 20 TCA 40-50 TCA	
			531817, 260-265, ditto above. 0.5% py, so (trace opy), mostly d with mm-q-c-chl veins and Dms silv patches	veins 40-70 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-Porph. Gneiss	(531817 cont'd) At 264-266, 2% py patches in vaguely outlined 1-2 cm qtz patches (discontinuous q-v?)		← 'Discontinuous qtz veins' appear to be more qtz-rich, silicate-poor/less portions of the Q-porph-gneiss.
			531818, 265-270.5 ditto above. 1/2 py, pyae scatt <sup>d</sup> silty patches, as discontinuous silty-vein (1-2 mm)	2 x 1-2 cm q-c veins, 65-70 TCA, 267.8-269.2, + 10% py	
			531819, 270.5-271.2 ditto above with two veins: a) at 271.0, 8 mm q-c-chl-py-ep <sup>y</sup> vein, 2% ep <sup>y</sup> , 20% py b) at 270.6, 2 mm q-c-chl-py-ep <sup>y</sup> vein, with a 4 cm halo zone, with diss <sup>d</sup> py, ep <sup>y</sup> , + tourmaline.	veins 50-60 TCA	
			531820, 271.2-272.6 ditto above. Trace py (silty)	2 mm q-c-chl vein 20 TCA	
			531821, 273.6-275.0 ditto above. 1/2 py diss <sup>d</sup> , 2% ep <sup>y</sup> in a 'silty' 1x3 cm patch. 2 barren 2 cm qv	2 qv 50 and 65 TCA	
			531822, 275-280.0 ditto above. Trace -0.5% py (silty)		Trace tourmaline
			531823, 280-285.0 ditto above. Trace -0.5% py, py (silty)	weak fabric 35 TCA	
			283-284, several, discontin. mm-1cm, barren carb-chlor veins	carb-chlor veins 15-25 TCA	
			531824, 285-290. ditto above, trace py, py.	5 mm q-c v, 50-60 TCA, at 1' intervals	
			531825, 290-295. ditto above, 1-2% locally 2-3% py (silty) trace ep <sup>y</sup> in 3 mm q-c-py vein at 294'. Some discontin- uous, cm size qtz patches ('food-qtz') 292-292.6, with py		
			531826, 295-300. ditto above. Py (silty) trace 0.5 to 298, py 3% 298-300.	barren 4cm q(c)chlor vein 30 TCA 298	
			531827, 300-305. ditto above, 1-2% 'silty' py. Trace ep <sup>y</sup> with 5 mm q-v at 301.1	3 q-v, 0.5-3cm, 60 TCA, 301-302'	
			531828, 305-310, 'silty' py 2-3%, (3-5% 306-309')	q-c-chl vein 65 TCA, 305.6	'Silty' py patches 0.5-2 cm size



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-Propyl	6 cm q-c-ehlos vein, at 305.6, with 3% py-po-cpy(1%)	4 cm barren q-v 65 TCA at 309.7	
		Greenish (cont'd)	531829, 310-314, ditto above, Py (sieve) 1-2% (locally 3-5%)	q-c-py-po veins, 1-4 cm, 45-70 TCA at: 310.7, 2 veins at 312-312.2	
			531830, 314-315, ditto above, Discontinuous 2 cm q-ehlos vein	q-ehlos vein 25 TCA	
			at 314.3, with 10 mm patches of po+cpy. Barren 5 cm q-v	65 TCA	
			at 314.5, 1 cm q-c-vein at 314.8, with trace cpy and	75 TCA	
			2 cm halo of 5% py.		
			531831, 315-317.5, ditto above, 0.5% silvery py. 4 cm q-c at 316.6	70 TCA	
			531832, 317.5-318.0, ditto above, 10 mm q-c-vein, with large patches	70 TCA	
			of cpy and po. (~10 mm Ø)		
			531833, 318-325, ditto above, 1% py as widely scattered	0.5-1 cm q-c veins, 25 TCA ...	
			2-20 mm sieve patches and 1 mm py vein at 319'	65 TCA, at 1/2-1' spacing.	
			Gradual color change at 320', to dark-mottled, due to		
			dark chlorite assoc't with sericite		
			531834, 325-328, ditto above, colors light greenish gray, not	At 325.8	
			'mottled'. Py (sieve) 1-2%. At 326.5: 1 cm q-v 45 TCA	2 cm fault breccia, 45 TCA,	
			531835, 328-330, ditto above, 5-7% py, 0.5% cpy, as 0.5-	with several slickenside plain.	
			5 cm size, 'sieve' patches.		
			531836, 330-333.3, ditto above, 10.5% py concentrated in	q-c (py) vein 45 and 60 TCA	Main zone. 0.08-0.10
			at 331.5. Two barren q-c-veins, 3 and 5 cm wide,		
			531837, 333.7-334.7, ditto above, 1-2% py, 0.5-1% cpy, disseminated	q-c vein 50 TCA, with dextral 5 cm	
			within 10 cm of q-c vein at 337.7-338.1	off-set	
			531838 334.3-337.9, ditto above, 0.5% 'sieve' py, Trace cpy in q-v	q-c (py-cpy) vein 80 TCA at 335.8	
			531839, 337.9-338.6, ditto above, with 0.25' XL q-c-tourmaline	q-c-tourmaline-py-cpy vein 70-75 TCA	
			py-cpy-vein ~2% cpy in vein. One grain of v Gln qtz.		
			~5% sieve py in adjacent Q-propyl quartz.		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-Porph	531840, 338.6 - 345.0, ditto above. Trace - 0.5% py, 5 mm.	Fracture with slickensides @ 339, 25	Magn. Susc. 0.1
		Greisen (could)	q-c-py vein at 343.5, 60 TCA; with distal 1 cm offset along fracture	TCA. 1-3 mm chlor-c vein 15 TCA	
			531841, 345 - 350, ditto above. 0.5-1% py as a) silty patches, b) in 0.5 cm poorly defined q-c vein. One 3 mm cpy grain	q-c veins 60-80 TCA. Moderate fracturing, 10-20 f/m	Magn Susc 0.09 - 0.11
			531842, 350 - 355, ditto above. 0.5-1% py as a) silty patches, b) 1-2 m poorly delineated q-c-py veins. 3-1 mm chlor-filled fractures 352-353	Seric. matrix shows a weak fabric approx. 20 TCA. q-c-py veins 50 TCA - chlor fract. 20-30 TCA	
			531843, 355 - 360, ditto above (to 355). 2 cm q(c)-py vein with trace cpy, po. at 357.2, 55 TCA. 5x10 mm py patch, trace cpy and py at 356.4.	Fractures 10/m	
			531844, 360 - 365, ditto above. Trace - 0.5% py, mainly 363-365. 3x1 cm q(c)-py veins. Trace cpy in q-c vein at 363.3	q(c) veins 50-65 TCA	Magn Susc 0.06 - 0.09
			531845, 366 - 376.6, ditto above, 1% silty py. Veins: a) 0.2 ft q(c) vein 65 TCA, b) 8 mm <del>q-c</del> chlor vein at high angle to a) Trace cpy in hair line q-chlor-silic vein		
			531846, 376.6 - 376.5, ditto above, cut by 5-10 cm wide breccia zone at low angle to core. Breccia matrix chlor-carbonate, minor qtz, py.	Bx zone and chlor-filled fractures 5-15 TCA, slickensides. Core strongly fractured // CA	
			531847, 376.5 - 377.7, Q-porph-greisen, cut by crossing qtz veins and by fracture network at 1-3 cm spacing. 1-2% py patches		
			531848, 377.7 - 381.7, ditto above. Trace py, cpy. Several 3-10 mm diffuse, poorly defined q-c-v, 40-70 TCA	fabric 30-40 TCA. Benign v 65 TCA. @ 378.6	

INSERT:  
 531845  
 365.0 - 366.0  
 c. 10.0  
 6 cm q(c) vein

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-Drph -	531849, 381.7 - 382.8, ditto above. 3-4% py a) 'sievy' patches	Fabric 45 TCA	
		Greisen (cont'd)	b) assoc'd with discontin. q(c) veins. ~1-2% cpy with q-py vein at 381.8', and as $\approx$ 1 mm sub-idiomorphic veins		
			531850, 382.8 - 386.0, ditto above. <0.5% py, as scattered cubes, 0.5-1 mm.	Fabric 25-35 TCA	
			531851, 386. - 389.3, ditto above. Trace to 0.5% py, as scatt'd 1-2 mm grains + patches, 387-388' Two 5 mm poorly defined q-c veins, 60 TCA.	Weak fabric 30-40 TCA. 5 cm fine grained xenoliths 388 and 386.5	
			531852, 389.3 - 392.0, ditto above. Permeated by q-v (---), Strong fracturing $\approx$ 70 TCA, 61 80% c.a. 16 py in fractures	5 mm q-v 50-80 TCA, at ~10 cm intervals. Strongly fract'd	
			531853, 392-395, ditto above: permeated by 10% 5-10 mm c-q-veins 2% py, 1% cpy as 2-4 mm patches	Weak fabric brecciation. XL q-c veins 15-50 TCA	XI Q-c One 2 x 4 cm dendritic py patch
			531854, 395-400. Strongly fractured, weak brecciation 5-10% 1 cm q-c-py veins 1-2% py patches, one 1 x 3 mm cpy grain in situ	Fabric 50 TCA	
			531855, 400-402.8, ditto above. Colours mottled medium gray and light gray. Trace py, as cubes 1 cm q-c vein with 1 x 2 mm cpy grains	Fabric 40-50 TCA q-c v 80 TCA	
			531856, 402.8 - 404.6, ditto above, with 5-7% 'sievy' py 403.5 - 404.6' 10-20% crossing mm - cm c-q-chl veins, with adjacent 3-10 mm py-cpy patches	One 6 cm q(c)v, 80 TCA, barren.	
			531857, 404.6 - 410, ditto above. Colours mottled 3 discontin. 1 cm q-c-py veins. Trace 0.5% py	Fabric 30-40 TCA	
			531858, 410 - 415.0, ditto above. 1% megacrystic py 8 mm q-c vein with dextral, 5 cm off-set at 413.5'	Fabric, 40-45 TCA. Two 5 cm q-v 65 TCA 412-413'	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-Porph - Gre. ss. (cont'd)	531859, 415 - 420.5, ditto above, colours mottled. Trace py. Q-c-veins 5-10 mm (poorly defined borders) at 0.5 ft intervals, 55-70 TCA.	weak in <sup>Sisic</sup> matrix Fabric 30-45 TCA.	
			531860, 420.5 - 421.4, ditto above, 5% py as impo- crystic patches and stringers of 1-2 mm grains along < 1 mm q-c-Sisic-formal vein	10 TCA	
			531861, 421.4 - 424.3, ditto above, trace po, py. <sup>Colour</sup> light gray	4 cm q(c)-formal vein, 50 TCA	
			531862, 424.3 - 425.0, ditto above, 3-5% py as 3-8 mm megacrysts and as stringers, with thin q-v		
			531863, 425.0 - 429.1, ditto above, colour light gray. 1% py as rare megacrysts. Trace po, py as discontin. 1 mm q-c -vein vein, 10 TCA, 427-428' ~ 3% mm-q-c-veins, vague enflines, at cm and dm spacing.		
			531864, 429.1 - 435, ditto above, colours mottled, clark + light gray Trace to 0.5% py diss'd and in thin q-c-v	Fabric 45 TCA, 1 cm q-c-veins at 430.5; 431, 40-50 TCA	Fabric in <sup>Sisic</sup> matrix only
			531865, 435 - 437, ditto above, 1-3% diss'd py. Trace ep at 436.7 assoc'd with chl-cub patches near a c-chl vein let.		
			531866, 437 - 438, ditto above, 3-5% megacrystic py		
			531867, 438 - 441.0, ditto above, mottled colours. Trace to 0.5% py, diss'd. Two 2 cm q-c veins, + trace py, at 438.9 and 439.6	q-c-v 60 and 65 TCA	
			531868, 441 - 443.8, ditto above, 3-4% py as 1-4 mm patchy megacrysts 441-442. 5% discontinuous cm-size q-c veins and - patches (anoreloid shape)	weak fabric 30-4 q-c-v. 60 TCA.	Fabric in <sup>Sisic</sup> matrix only
			531869, 443.8 - 447.6, ditto above. ~ 5% py, 3/4 in q-c-veins, 1/4 as scatt' megacrystic patches, up to 1x2 cm size		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-Porph - Gneiss (cont'd)	(c. 445.2). Trace ep <sub>1</sub> in c-c-py vein at 444.0. Q-c-py veins, 1-2 cm, gen. x <sub>1</sub> ve, at approx 1 ft intervals, at: 444.0 (with TOPS' downhole 446.6, 447.4 - 447.5 (with trace tourmaline	q-c-py veins 50-70 TCA	Qtz kty in q-c-py veins in part 3-7 mm long, with x <sub>1</sub> faces (F)
			531870, 447.6-453.4, ditto above, 1-2% <sup>widely</sup> py as scattered 2-10 mm megacrystic patches 2 mm q-c-chl vein 15-20 TCA	weak fabric of basic matrix 30-40 TCA	
			531871, 453.4-454.0, ditto above, with 0.3 ft q-c (dilat) vein, with 16 py, 18 ep <sub>2</sub> , trace tourmaline		
			531872 454. - 460.3 ditto above. Colons mottled. Trace fine (0.1-0.5 mm) py. 3 cm q-c vein at 455.9' Trace tourmaline.	weak fabric of matrix 30-40 TCA. Q-c vein 55 TCA	
			531873, 460.3-460.9, ditto above. (cut by a) q-py - MoS <sub>2</sub> - vein, 8 mm and b) discontinuous 1-2 cm cherty, Filter-Pressed Liquid (Gneiss)	- 60 TCA ~ 50 TCA	Molybdenite vein! Filter-pressed Liquid (Gneiss) also mottled (FLTR PR LQD) encloses several qtz eyes (stopped off?)
			531874, 460.9-465, ditto above, 1% py (silic) megacrysts. Trace ep <sub>1</sub> with py in banded 3 mm q-v. 5% py conc'd 464.6-465. 2 mm py vein @ 461.8	- 70 TCA	N.B.: This feature discussed in FDP. will be recorded from now on, not recorded previously
			531875, 465-468.0, ditto above, 1% py (silic) and q <sub>2</sub> 2 cm halo of dis'd py adjacent to 4 cm q-c-v at 467.7. FLTR PR LQD as amoeboid patch 465.4-465.7, carrying < 200 μm crystallites.		
			531876, 468-473.0, ditto above, trace - 0.5% py. Trace ep <sub>1</sub> in 10 mm q-chl-vein @ 469.5, 70 TCA	q(c)-v, 5 cm @ 468.5, 65 TCA q-c-v, 3 cm @ 468.8	~ 1% of Tourmaline at 475.0 (1x 3 cm cluster)
			531877, 473-475.5, ditto above, Colons mottled. Py 3-4% silic megacrysts. 1x 4 cm area of FLTR PR LQD at 474. #	weak fabric in matrix 45-50 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-Porph Greisen (cont'd)	531878, 475.5-480.0, ditto above. Trace to 0.5% py, disse'd 1 cm FLTR PR (QD), 1x5cm, 90 TCA, at 477.2.	3-5 mm banded q-c-v at 476.8, 55 TCA	
			531879, 480-485.0, ditto above. Colors mottled, light + dark gray. Py 0.5-1%, scatt'd sieve megacrysts. Dark gray, qtz-rid, sericite-poor/free QP or Gr. 500 (?) 484.8-485.2	Weak fabric in sericite matrix 15-35 TCA with 1-2% py	
			531880, 485-491.0, ditto above, mottled. 486-487.5 <sup>2x</sup> 1 cm q-c-py veins, discont's with 5% coarse py. 16 sieve, scatt'd py megacrysts	weak fabric 35 to 70 CA	
			531881, 491-491.8, ditto above, with banded 3-4 cm q-c-v with 5% py, 1-2% cpy, trace MoS <sub>2</sub> (MoSe)	30-35 TCA	
			531882, 491.8-495.0, ditto above, 2-4% sieve, large py granules. Two 2 cm q-c <sup>py</sup> veins with ~10-20% py, trace cpy. Trace to normalite	q-c-v 40-50 TCA	Greisen high in sericite matrix (~50%)
			531883, 495-497.1, ditto above, with 10-20% coarse 0.5-4cm thick, banded q-c-py-cpy veins. and scatt'd sieve py. Total py est. ~4-10%, cpy, 2-3%.	40-70 TCA	Greisen ~50% sericite in matrix
			531884, 497.1-500.0, ditto above, py disse'd 1-2% and 'sieve' megacrysts. 5cm q(c)-v, trace py, at 499.1-499.5 at 30 TCA. AW up here		High sericite! ~50% Not mottled colors
			531885, 500-504.0, ditto above. Colors light gray, approx 20% mottled. Total py 3-5%, 3 textured types: a) large (3-15mm) megacrystic patches b) patchy py stringers, assoc'd with irregular, discont'n. qtz veins c) fine py dissemination.	weak fabric in sericite matrix 10 to 30 TCA q-py-var 25-55 TCA. Two 1-2cm banded q-c-py/v 504-505 (next q/c)	Colors light gray = only sericite in matrix. Mottled = 20% dk gray (chloritic?) 2-5mm in light gray matrix No normalite.
			503.7-504.0: Thin dyke (5-20mm) of fine grained		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qtz-Porph.	<sup>A few</sup> Qtz-porphyry: 0.5-1mm Qtz eyes in a fine grained		
		Greisen (cont'd)	Qtz-fsp-sulfite matrix. Distinct contrast to host rock.		
			531886, 504-506.5, ditto above. 3-5% fine tonalite in matrix, 504.5-504.7. 5mm 'patchy' banded q-c-v, 5mm, 20 TCA @ 505.7. Total py 0.5%	Two 2cm q-c(py) veins 504-504.7 40 TCA, banded. 13cm q-c(py) vein 35 TCA, 506.1	<sup>locally</sup> High tonalite!
			531887, 506.5-510, ditto above. Colour: light gray with 50% mottled, dark gray patches. 0.5% py, fine grained, diss'd. Trace tonalite	Weak matrix fabric 15-25 TCA	Mottled dark patches and <sup>veins</sup> streaks // fabric
			531888, 510-515, ditto above, Colour: light gray with ~30% dark mottled patches. 0.5-1% py, as a) 'bleby' grains, b) vein-clusters (1mm py) along 1-5mm q-c veins.	Weak matrix fabric 15-20 TCA - 15 to 40 TCA	
			531889, 515-520.2, ditto above, Colour: light gray, not mottled. 0.5-1% py a) finely diss'd and b) 3-5mm q-py vein: and a fracture. Trace epz, trace tonalite. 1-2% diss'd py near lower contact (519.5-520). 5cm q-c vein at lower contact	- 45 and 60 TCA Contact to q-v 50 TCA Contact q-v to foling 65 TCA.	Colour NOT mottled.
		'Mix Zone B'	531890, 520.2-524.2. Fine grained Qtz-Porphyry. 10-20% 0.1-0.5mm Qtz eyes, in vfg. Qtzose matrix, with est. 20% feldsp. <sup>scarcely</sup> Fsp not as plagioclase. Only accessory sulfite. Trace diss'd py, tonalite. Enclosures 2-10cm size inclusions of Qtz-Porph Greisen (coarse Qtz eyes, much more sulfite).	A 1-2mm q-c-py vein 35 TCA, @ 523.7	Different younger rock type cutting 'Typical, sulfite-rich Qtz-Porph. Greisen...

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		'Mix-Zone B'	531891, 524.2-526.5, Medium Qtz eye Porphy <sup>Grain</sup>		
		cont'd	cut by fine grained 'Qtz Porph.' Trace py.		
			531892, 526.5-526.9, ditto above cut by 4 cm	vein 65 TCA	
			veins XL Q-c (tourmaline) - py - cp7. <sup>2%</sup> Cpy as 7mm patch and as hair-line stringers in qtz.	Hanging wall ('HW') down-hole.	
			531893, 526.9-529.8, ditto above, 'Mix-Zone B'	Fractures + slides inside // TCA	
			Two 1-2 cm <sup>XL</sup> q-c-py veins. Total py 0.5-1%	45 and 60 TCA	
			531894, 529.8-530.5, ditto above, cut by 4 cm	90 TCA	
			XL q-c-py vein, with trace cpy and 'Moly'		Trace Moly (Moly), same
			531895, 530.7-533.8, ditto above 'Mix-Zone B'		
			Trace to 0.5% py	Lower contact not preserved	
			531896, 533.8-536.0 Pyrolyzed mafic fep-porph	Schistosity 35-50 TCA	
			Foliated, relict-porphritic, mafic biotite-chlor-fep rock. Trace py.	Sharp lower contact @ 25 TCA, with slickensides	
			531897, 536-540.25, ditto above (to 526.5) 'Mix-Zone B'	2 x 1-3 cm XL q-c (±py) veins	
			3-4% py, disse (sieve, large) and in q-c-py veins. Most py in 536-538.	45-60 TCA	
			531898, 540.25-541.5, ditto above, 5% py disse	4 cm q-v, 65 TCA	
		Q-Porph Gr	531899, 541.7-545.5 Qtz Porphyry, Grains 1-2% py, disse (sieve). In part 'high matrix' Q-Porph.	Fabric to suite, matrix 30-40 TCA	
			Trace disse tourmaline	Sharp lower contact, 75 TCA	
		'Mix-Z-B'	531900, 545.5-547.2, ditto above (to 526.5) 'Mix-Zone B'		
			Mainly fine grained Q1 porph, no sericite, 0.5-1% 'sieve' py. Sharp contact to feed	~ 50 TCA	
		Q-Porph-Gr	531901, 547.2-550, ditto above (to 545.5) 'Mottled', 0.5-1% py, disse. A 3x15 cm irregular shaped		



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			'fines' of Filter-Pressed - Liquid, 548.5-549.5'		FLTR PR LQD
		Q-Pe-	531902, 550-555, ditto above (to 545.5) mottled colour	weak fabric in seric matrix, 40-50 TCA	
		Green (cont'd)	(light and dark gray), fabric, 1-2% py as 'sievy' micocrystals.	2 x 1.5 cm q-c - val 552-553	
			531903, 555-560, ditto above, mottled colour, Trace - 0.5% py, diss'd and with q-c-v, 4cm,	weak fabric 40 TCA - 40 TCA.	
			531904, 560-564.0, ditto above, mottled colour, Trace py diss'd	weak fabric, 30-40 TCA	
			531905, 564-567, ditto above, Not mottled, colour med-green-gray, 3-4% py, diss'd, minor in q-c-v.		
			2cm x 1 q-cht-vein with adjacent 'sievy' py (halo?)	10-20 TCA	
			531906, 567-572, ditto above, colour mottled	weak fabric in matrix 25-30 TCA	
			Trace py, diss'd. 1 banded 1cm q-c-py-vein at 569		
			531907, 572-573, ditto above, 3-5% py, as sievy micocrystals, 2 up to 10mm in size.	weak fabric 30 TCA	
			531908, 573-577.3, ditto above, colour: Mottled light and dark gray to 575, light gray to 577.3,	Weak fabric 30 TCA	
			1-2% diss'd 'sievy' py.	1cm chl-q-v, 30 TCA, crossing at 4cm intervals, 575-576.	
			531909, 577.3-579.6, ditto above, colour lt gray,	q-c-py vein @ 10 TCA	
			2-3% py as a) sievy, diss'd grains, b) in q-c-py-esp py vein. Aspy(?) ~ 1-3%, in vein, as clusters of 0.5mm needles, in gte.		
			531910, 579.6-585.9, ditto above, colour medium gray, slightly mottled, 1-2% scatt'd sievy py	weak fabric 10-20 TCA.	
			531911, 585.9-585.9, ditto above, with banded q-c-py vein, 0.5-1% py, trace molybdenite in gte	q-c-vein 30 TCA, re-entrant.	Trace MoS <sub>2</sub>
			531912, 585.9-590.5, ditto above, med-gray, 5-7% py.		not mottled

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q Por - Gneiss (cont'd)	as scatt'd 'sievy' megacrysts, minor es. stringers along thin q-c-v.	Trace 5-10 mm q(c) v + py, 40 TCA 587-588. A 5 cm q-c-v 70 TCA at 589.5.	
			531913, 590.5-595.0, ditto above. Colors medium gray to 592, mottled light gray and dk gray to 595. 2 cm X (q-c vein + trace py at 594.2. Py 0.5% a) finely diss'd, b) larger 'sievy' grains	weak fabric 30 TCA - q-c-v 65 TCA	
			531914, 595-599.4, ditto above. Mottled to 598.5, light gray to 599.4 Trace X of q-c-veins, 2 cm and 3 cm, at 597.2 and 597.9 <sup>+py</sup> Trace diss'd vfg po, py, tourmaline.	- q-c-v 50, 70 TCA Weak fabric 20-40 TCA	
			531915, 599.4-601.2, ditto above, colors mottled 5-7% py as scatt'd, large 'sievy' megacrysts. 1/4 of py as linear stringers (q-p-v?) 20-30 TCA Trace cpy only as vfg disseminations in rock, not with coarse py clusters.		No tourmaline!
		GF Por	531916, 601.2-605.0, Qtz - feldspar porphyry. Seams to grade from gneiss between 602 and 605'. Abundant Qtz eyes and minor, fresh, euhedral fep plagioclase. Minor sericite. Trace diss'd py.		Py increase ~ 604.5', no large (1-3 mm) sievy grains.
		Q Por Gneiss	531917, 605-606.6, Q-Porphyry gneiss, colors light gray, 20-30% white matrix, 3-5% <sup>sievy</sup> py megacrysts		Sulph very fine
		QF Por + QP Gr	531918, 606.6-610.0. Gneiss to ~ 608, QF Porphyry to 610. Trace diss'd py, po, tourmaline.		
		QF Por	531919, 610-614.0 ditto above (to 605.0) Trace to 615' finely diss'd po py, tourmaline.		Grain size of large py 0.5-1.5 mm. Colors of rock (used): light 'apple green'
		QF Por	531920, 614-617.0 ditto above. 3-4% scatt'd large (2-5 mm) py megacrysts Trace tourmaline	2 cm X (Q-c-vein @ 615' 60 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-F Por Gneiss	531921, 617-620.0 ditto above. Trace to 0.5% diss'd py, tourmaline. Rare 2 mm py grains	1 cm, discontin. q-c-py vein 70 TCA at 618.6	Low sericite
			531922, 620-625.0 ditto above, 3-4% py, 1-5 mm 'silty' megacrysts. 2 q-c-py veins -- 624.2 with 3 cm halo of 10% py	8 mm q-c @ 621.3, 55 TCA 10 mm discontin. q-c-py vein @ 624.2	
		Q Por Gneiss	531923, 625-627.5, colors mottled light and dark gray. Trace to 0.5% py, diss'd, 0.5-1 mm	weak fabric 40 TCA	More sericite than Q-F = Rmpt!
			531924, 627.5-628.2 ditto above, with 10 cm q-c-py vein. 1% cpy adjacent to q-c-v. 10 mm py-c-q vein 5 cm from <sup>10 cm</sup> q-c vein.	65 TCA	
		Q-F Por Gneiss	531925, 628.2-631.5, ditto above. Mottled, with fabric. Cut by 2 q-c-py veins: o 629.2, 1 cm, 30 TCA @ 631.2, 6 cm, 20 TCA Filter-pressed liquid, amorphous area, 631.1-631.5	Weak fabric in <sup>seric</sup> matrix, 5-20 TCA. veins: 30 and 20 TCA.	No tourmaline FLTR-PR. LOD, 0.3'
			531926, 631.5-635.0, ditto above. Colors mottled. Trace to 0.5% py, diss'd vfg cpy (0.5%?)	Weak fabric in seric matrix 20-30 TCA.	
			531927, 635-640.0, ditto above, mottled, with fabric. Py cpy, a) fine diss'm, b) large 'silty' grains (1-5 mm) cl in thin veins: Py-c-q vein, 3 mm @ 637.4, @ 638.2. Trace tourmaline.	Weak fabric 30 TCA Two barren q(c)-v, 3 cm, 4 cm 35 and 60 TCA @ 638.6, 640.0	NO tourmaline
			531928, 640-645.0, ditto above, mottled, fabric. Trace diss'd py, tourmaline. X1 q-c (± py) veins at 1-2 ft intervals: 641.4, 2.5 cm, 642.6-642.8. 3 parallel py-q-c veins, discontinuous	Weak fabric 30 TCA q-c ± py v 50-60 TCA	
			531929, 645-650, ditto above, med gray (only slightly mottled. Trace - 0.5% diss'd py, trace trace tourmaline	5 cm q(c)py vein at 645.9, 50 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-F-Porph	Trace - 0.5% py as thin, linear stringers (veins?)		
		(trace (cont'd))	XL-Q-c-v @ 649, 1cm, 65 TCA		
			531930, 650-654.2, ditto above, mottled. 2-3% py as 'sieve' grains 0.5-3mm in size.	Low angle (to core) 1-2mm clmm chl-c-veins, 10-20 TCA	
		Q4-v	531931, 654.2-655.0. 20cm wide q(chl-c)-vein, trace py. Chlcs in $\leq$ 1mm (radial veinlets, irreg.	contacts not preserved, prob. $\sim$ 70 TCA.	
		Q-F-Por	531932, 655-658.5, ditto above, mottled. 0.5% py (0.1-1mm), disse'd	Parallel 1mm chlor-carb veins, 5-15 TCA, 656-658'	
			531933, 658.5-661.5, ditto above, mottled. 1% py a) fine grained, disse'd b) a few 2-5% sieve patches	Weak fabric in $\leq$ site matrix 20 TCA	
			Two 3x5 cm fine grained, mafic inclusions, oval outline. 6 cm q(chl, py) vein, trace py	6 cm q(chl, py) vein 65 TCA chlcs in hairline fract. // CA.	
		Q-F-Por	531934, 661.5-665.0. Qtz-fsp-porphyry as above, gradually becoming fine grained, -20-30% Qtz eyes, 10-20% $\approx$ 1mm fsp phkts. fine grained fsp(Qtz) seric-chlor matrix. to fine, disse'd py (0.1-1mm).	Weak fabric	Gradation Rare traces trace malin.
			531935, 665-667.0, ditto above (to 665) cut by dis- continuous block chlor-carb vein with 3cm dark, chloritic halo and 1-2% py	chlor-carb vein 5-10 TCA, 666-667. 2cm q-chl-c vein at 665, 60 TCA	
			531936, 667-667.7, ditto above, cut by 5cm q(chl)-py-vein. Py 20% of vein. One 2x4mm cpy grain.	q-chl-py vein 25 TCA	
		Q-F-Por B-zone	531937, 667.7-670.0. Similar to above, grading from above (last $\sim$ 10 ft).		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q:-F-Pol (B-Zone)	(531937 cont'd) According to FPK's classification: 'Q:-F-Perthite, B-Zone', medium to small qtz eyes. Hard, solid, fresh sp, low vesicite Qtz eyes 0.2-1mm, fsp phab 0.1-0.5mm. Trace tourmaline. Py trace to 0.5%, finely dis'd.		
		"	531938, 670-675.0, ditto above, 5cm q(chl-c) vein at 673.3. Trace fine grained py	65 TCA, 3 hairline chl-v, 15 TCA, 672-673	
		"	531939, 675-680.0, ditto above, 0.5-1% py - 'sievy' 2-5mm megacrysts, concentrated 676-678. 3 hairline chlor veins, 10-20 TCA, 666-669	1cm xl q-c-chl vein, 60 TCA @ 677.	
		"	531940, 680-685, ditto above, 1% <sup>sievy</sup> py, dis'd 0.5-3mm.	hairline chl v, 15 TCA, 682-683	
		"	531941, 685-689.0, ditto above, trace py 0.1-1mm, dis'd. 1cm xl q-c-v at 687		
		"	531942, 689-691.4, ditto above 0.5-1% py, concentrated in a 30x5mm, linear patch, assoc'd with a 5mm q-v + cluster of tourmaline, at 689.2'		
			531943, 691.4-692.0, ditto above, with a patchy, dis- continuous q-py(c)-vein. Py patches 0.5- 2cm size.	q-c-py vein patchy, discomb., 15-30 TCA	
			531944, 692.0-696.3, ditto above (to 670'), Trace to 0.5% py, mostly as dis'd 0.1-0.5mm specks, rare 3mm megacrysts. Trace tourmaline	5cm q(c) vein, 65 TCA, at 693.7	
			531945, 696.3-698.4, ditto above, 2-3% py, as a) 8mm py-q-c vein at 697.5, b) finely dis'd py. Two 4cm and 5cm qv	65 TCA 60 and 65 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-F-Por (B-Zone)	531946, 698.4 - 699.0, White, pure qtz vein, no chlo 531947, 699 - 705.0, ditto above (to 670). 0.5% py, diss'd (0.1-2)mm Py grains mostly anhedral. Large py grains "cubes". Py concentrated 702-704.	Contacts 70 TCA	
		"	531948, 705 - 710, ditto above. 1% py, diss'd, mainly 531949, 710 - 712.3, ditto above. 'Cradle Box', i.e. clusters of crossing < 1mm chlo veins. 1% py, diss'd. 2-5 cm q-chlo vein, 710 - 710.5	1 cm q-c vein 60 TCA at 705. 30 TCA, Contact 25 TCA	1 cm q-v @ 709.5, 75 TCA
		Propylite F Por	531950, 712.3 - 713.4, Schistose, propylitized fsp- porphyry. Trace diss'd cubic py	schistosity 20-25 TCA	
		"	531951, 713.4 - 717.4, Propylitized fsp-porphyr qtz-rich matrix, small fsp phxts, chlo- patches. 0.5-1% diss'd cubic py, 0.1-0.5 mm.		No. Qtz eyes. □ cubic py
		Mafic Rock, schistose	531952, 717.4 - 723.0 Schistose, mafic, propyl'd sds. Trace - 0.5 % py likely, con 719-721.	S 10-20 TCA Lower contact sharp, schistose, 30 TCA,	Lower contact: Schistose mafic rock sharply in contact with massive F Por
		Qi-Por 'B'	531953, 523-527.5 Qtz eye-porphyr, 'B-Zone' similar to above (to 670') but no fsp phxts. Qtz eyes medium to small, low abund. of incls. Trace to 0.5% py, diss'd and some qv. Closely spaced < 1mm chlo-c-veins	2 cm q-c-chl-v @ 723.7, 60 TCA 1 cm q-c-py vein @ 726.7 Weak fabric @ 45 TCA Weak 'Cradle Box' 727.0-727.5 Schistose, mafic portion, 10 cm, 15 TCA, at contact	Not 'typical' G vein
		Qi P 'B'	531954, 527.5 - 529.6, ditto above (to 527.5) with 3-4% py as 2-5 mm 'sieve' patches and 1-2 mm cubes.		

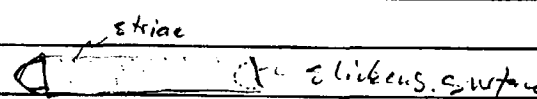


FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		(Q: P: 'P')	531954 cont'd Possible 'Mixed Zone' (FLIC PR L&D), 10 cm. + 10% sievy py 528.5 - 528.7. + qv		
			531955, 528.6 - 730.6, ditto above, with 2g-ckl v 12 cm. q-v and 4 cm qv. Trace py	g-ckl v 50. + 60 TCA 2 cm sinistral offset along 1 mm chlor fracture, 15 TCA	2v
		"	531956, 730.6 - 737.7, ditto above, 0.5% diss'd py (sievy), 0.5-3 mm 8 mm X(-g-c(ck) vein - 731.2, 65 TCA	1-2 mm chlor-c-v, 3-5 cm spacing, 10-30 TCA.	
		"	531957, 737.7 - 738.0, ditto above, getting gradually coarser (larger grains). 0.5% cubic py 3 cm. q-v @ 737.0, 50 TCA		
		"	531958, 738.0 - 742.0 ditto above, 0.5% diss'd py. No termination.		py both cubic and euhedral 0.1 - 2 mm
		"	531959, 742 - 747, ditto above, 0.5% diss'd py, 0.1 - 2 mm, py patches 1-5 mm at washing of 4 cm q-v, 744.3. Crackles breccia 745 - 747, with 0.5% py	Crackles breccia, with chlor-carb vein filling, + 0.5% py, and slickeusides 0-10 TCA, 745-747	
		"	531960, 747 - 749, ditto above, with 3 cm discontinuous g-c-py vein. 3-5% diss'd sievy py. Trace opy with 3 mm q-v, 60 TCA, at 747.8	g-c-vein 60 TCA, at 747.4 Slickeusides 10 TCA	
		"	531961, 748 - 752.5, ditto above, 0.5% diss'd py, 0.1-1 mm grains, in cubic matrix 2-5 mm 'sievy' py patches.	Fractures at 1-2 cm intervals, 5-30 TCA, in part with slickeusides with strictions 30-60 TCA.	Core in part bubbly
		"	531962, 752.5 - 755.6, ditto above. 1-2% py, 0.5-3 mm 'sievy' grains.	Several 1-2 mm chlor-filled fractures 10-30 TCA, 753-754	
		"	531963, 755.6 - 758.0, ditto above, 2-3% py, 0.5-10 mm 'sievy' patches, 1-2 cm wide chlor-carb -		Core strongly fractured, in part bubbly



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qtz-Por 'B/A' (Gneiss)	(531963, cont'd) fault breccia parallel core axis 531964, 758-760.4 ditto above. High matrix (seric) Gneiss. 0.5-1/2 py, a) diss'd 0.1-0.5 mm cubic grains, b) a few large (1cm-3cm) sievy grains, c) trace py with c 1mm c-chlor veins 10-30 TCA. Trace tourmaline	Fault breccia with slickensides. 5 mm xl q-c-vein 35 TCA at 758.5'	Core solid, rare fractures Colour light gray, wet mottled
		Qtz-Por 'A' (Gneiss)	531965, 760.4-765.0 ditto above. 1-2% py, a) diss'd fine grained, b) as a few large (1cm) sievy grains. 1cm q-c-v, banded at 762.2 and at 763.2	Rare chlor-filled fractures 762-763, 20-30 TCA 25 TCA	Core solid, rare fractures Colour light gray
		"	531966, 765-768.1 ditto above. 2% py a) finely diss'd, b) large sievy megacrysts High sericite matrix. Trace tourmaline	Rare chlor-filled fractures 30 TCA	Colour light gray
		"	531967, 768.1-770.2 ditto above. 5% py as a) large (1-10 mm) sievy patches b) fine dissemin. c) minor linear stringers. 3-2-5 mm dissemin. q-v, 30-40 TCA. No tourmaline		
		"	531968, 770.2-772.5 ditto above. 3-5% py as a) sievy large patches, 2 mm to 3 cm in size. b) linear stringers, 1-3 mm No tourmaline	Parallel q-v, 2-5 mm, 40-60 TCA 4-10 cm spacing, 770.2-771'	
		"	531969, 772.5-775.0 ditto above. 5% py as a) sievy patches, b) 1-2 cm q-py vein at 774.0 1% tourmaline 774-775'	1cm q(c-chlor-py) vein, 45 TCA, at 773.7' 65 TCA Chlorite fractures 20 TCA at 775'	Colour light gray
		"	531970, 775-777.8 ditto above. 1-2% py, as a) trace, large sievy patches, b) fine dissemin.	3mm xl q-c-v, 60 TCA at 776.0	Colour mottled light gray and dark gray (due to chlor + seric)

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Yer-'A'	531970 cont'd). Trace tourmaline. Diffuse 3 mm q-v 60 TCA, at 777.6.		
		"	531971, 777.8-785.0 ditto above. Trace to 0.5% py diss'd; and as rare linear stringers, associated with min-q-c-ckl-veins, at 783.4 Trace tourmaline	Matrix has weak f-ctn 50TCA ckl-fragments, 30TCA at 782'	Colors mottled, light gray dark gray
		"	531972, 785-790.0 ditto above. 1% py, as 1-3 mm 'stony' grains, in part as brown 'sooty' py. Trace tourmaline	q-ckl-v, 1cm, 50TCA, at 786.6'	Colors mostly light gray, minor mottled. <sup>Some</sup> 'sooty' py
		"	531973, 790-795.0 ditto above, light gray with < 1/10 dark gray (chlorite) stringers, matrix patches 0.5-1% py, finely disseminated trace cpy vfg, dust 792-794. Trace tourmaline, 1cm 'diss'd' cl 'thick crossed' lls. at 791.5	cm-spaced, 1-2 mm q-c-ckl-v fractures/veins 30-50TCA, 794-795	Colors light gray
		"	531974, 795-799.4 ditto above. Trace to 0.5% py diss'd, rare 1-5 mm patches assoc'd with q-v: 796.5. Trace cpy assoc'd with 2 mm c-ckl-v 15TCA, at 797.8.	1 cm banded q-v + py 65TCA at 796.5. 2 cm crackle-lexia with cpy. case: 797-799, in part with trace cpy	Colors light gray Py in part 'sooty' brown.
		" (Brix)	531975, 799.4-801.5, similar to above. Breccia, 10cm at 800.0, mantled by crackle lexia, with XC q-c-veins. 0.5% py, diss'd, c.1-0.5% cpy in q-c-veins.	Breccia zone. 50-65TCA	c.1-0.5% cpy
		Qi-Yer-'A'	531976, 801.5-807.4, ditto above. Trace to 0.5% py diss'd.	1 cm q(c)-v at 805.1, 55TCA	Colors light gray, minor mottled 803-805
			531977, 807.4-809.5, ditto above, Trace to 0.5% py diss'd and 'stony' trace cpy, tourmaline, 4cm q-c-ckl- vein at 808.8	65TCA	Colors mottled dark + light gray

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qtz Por 'A' Greisen (cont'd)	531978, 809.5-815.0, ditto above. Trace to 0.5% a) py, diss'd and b) py as 1-5 mm 'sievy' grains. Trace cpy in xl-Q-tourmaline vein 811.6 c) py linear stringers 50 TCA, assoc'd with slm chlor-v. 55 TCA @ 811.7'	4 cm xl-Q-c-tourmaline-vein 60 TCA, at 811.6	Colour light gray, not mottled.
		"	531979, 815.0-820.0, ditto above. Trace to 0.5% py, diss'd. Trace cpy, aspy?!, sphene, common accessory tourmaline.	1 cm q-(c-chl)-vein, 60 TCA at 818'	Colour light-medium gray to B17, mottled B17-820
		"	531980, 820-825, ditto above. 0.5% py as a) fine diss'em. b) 1-5 mm <sup>fine</sup> clusters assoc'd with mm-q-(chl-seric-c) veins, c) on slickenside surfaces. Trace cpy in mm-q-chl-vein, trace tourmaline	823' thin film of py on = slickenside plain. 820-823. chloritic slickenside parallel CA, with striations at 90° to CA	Colour light gray, not mottled  
		"	531981, 825-828.5, ditto above. Trace to 0.5% py, finely diss'd, minor in carb-chlor-veins. Trace to 0.1% cpy in discontinuous, black chlor veins and chlor-slickensides. Cpy in places as 1x4 mm grains (826.6')	Q-c-chlor veins, 1-5 mm, crossing, at 2-10cm intervals ('crackles like'?)	Colour light gray, with dark-gray to blackish lines and patches, mainly 828.0-828.5 due to chlor (± py, cpy)
		"	531982, 828.5-831.0 ditto above, py 0.5%, finely diss'd cpy trace - 0.1%, finely diss'd. Trace sphene, tourmaline	829.3: 5mm xl Q-c vein with adjacent py (cpy) patch. Weak fabric in matrix. 90 TCA	Colour light gray, not mottled
		"	531983, 831-835.0, ditto above. High matrix: 235 gm (coarse seric/muscovite. 0.5% py, finely diss'd. Trace to 0.3% cpy, finely diss'd and b) diss'd with py, c) assoc'd with discontinuous q-c-chl-veins, as 1-3 mm grains (834.7) Accessory tourmaline.	3 mm q-py-chlor vein (50% py) 65 TCA, at 833.2'. 3 cm xl Q-c-chl veins at 834.2 and 834.7 (cpy)	Colour light gray Cpy in places overgrown by 'sooty' py cpy = sooty py cpy in places 1-3 mm, in q-c-chlor vein

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q:-Por-'A'	531984, 835-835.7, similar to above but black-gray colour; Propylitized (?) Qtz-eye porphyry. Small, opalescent fine Qtz eyes, in dark, chlor-rich matrix (+ carb. seric?) Trace py in a $\leq$ 1 mm vein.	Sharp contacts to Q:-Porph at 27° Tct.	Colour dark / black green-gray
		Gr. size. (cont'd)			
		u	531985, 835.7-837.7, ditto above (to 835') 23 ppb Trace of py, diss'd py, cpy, tourmal.	Weak fabric in matrix 15 Tct	Colour light gray
		Q:-F-Por ('B')	531986, 837.7-838.8, Qtz-eye-fsp-porphyr, 119 ppb with a) linear and b) irregular dark gray chlor patches. Low seric, w/lt. Qtz and und. Trace diss'd py and trace cpy, in dark chlor patches. Two XL Q-c-chl-veins Trace tourmaline	Q-c-chlor veins, 1 cm and 1-4 cm, 50-65 Tct	Colour light / whitish gray with 5-10% dark gray patches
		Q:-F-Por ('B')	531987, 838.8-842.5, ditto above (to 838.8) 0.03% Small Qtz eyes, well developed fsp phxts in Qtz matrix. Py: Trace to 0.5%, finely diss'd. Cpy: Trace to 0.5% ditto; and as 'stevy' linn. grains / patches, intergranular with carb patches		Colour light / white-gray with dark patches (chlor)
		u	531988, 842.5-843.3, ditto above, but only trace 42 ppb py, cpy, tourmaline. Two XL Q-c-chl veins, 5 mm and 10 mm	Q-c-chlor veins 50 Tct → and 65 Tct.	
		Q:-Por ('B')	531989, 843.3-846.8, ditto above, Qtz eyes larger, few fsp phxts. Trace to 0.5% py, cubic, diss'd, trace tourmaline		Colour medium gray & light mottled.

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Pac (13')	531990, 846.8-847.9, ditto above,	At 846.9' 5mm XL-clar	
		Greison (cont'd)	.023opt py: Trace to 0.5% finely dissd and as linear stringers of fine grains. epyl: trace, ditto. Tourmaline trace	(-q-c) vein, 80 TCA.	
		"	531991, 847.9-850.2 ditto above.	Two 10 mm XL (q-c-clar) -	Color light green-gray
			.022opt Trace to 0.5% py and trace to 0.5% epy, finely dissd. Trace tourmaline. Trace molybdenite (MoS <sub>2</sub> ) in q-c-vein	MoS <sub>2</sub> veins at 849.4, 70 TCA	
		" (propyl'd)	531992, 850-850.9, ditto above, grading to dark bl grey; chlorite - rich qtz-eye porph. 0.5% finely dissd epy, py		Color dark gray
		Qi-F-Pac (18')	531993, 850.9-852.45, ditto above (to 838.8). 58 fine-to medium grained. Trace py, epy, tourmaline, finely dissd.		Color light gray
		"	531994, 852.45-853.0, ditto above. With 3x20mm .033opt linear/irregular patch of sulph + chlorite. cpy, py, aspy. Total epy estm. 5%. cpy overgrowing py. cpy 'sievey', enclosing aspy, tourmaline		10mm
		"	531995, 853.0-856.2, ditto above. 137 Qtz eye opalescent blue. Trace dissd py, tourmal.	2.5cm qv, 70 TCA, at 856.2	
		"	531996, 856.2-856.9, ditto above, with 3-5% sulph. .019(opta) mainly in a q-c-clar-py-epy vein. b) scattered sievey grains, 0.1-1mm: py, epy, aspy. Trace dissd tourmal.	1cm vein, bifurcating + 10mm sulph (py-epy) Vein 40-65 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-F-Por (B')	531997, 856.9-859.1, ditto above. Trace to 0.5% py.	Sharp, irregular transition <sup>or contact?</sup>	Colour light grey
			0.173% finely dis'd. Trace aspy (cpy), tourmaline.	to following; (larger qtz eyes) at 60-70 TCA	
		Qi-Por (B')	531998, 859.1-864.0, Qtz-eye - Porphyry greisen,	Xl-Q-c-v, lufuscaty	Colour light grey
		Greisen (Mixed Zone)	296 with 10cm portion of fine grained fsp(Q)px 862.6-862.8. Size of qtz eyes medium to large (0.5-2mm). Trace finely dis'd py, tourmaline	discontinuous, at 861.2	
		u (A?)	531999, 864-868.5, ditto above. Trace 264 dis'd py, tourmaline	Weak fabric in matrix 20 TCA 867-868.5	Colour light grey
		u	31 532000, 868.5-872.0, ditto above. In part fract'd, lithiated, veined. 5% py, a) minor, as fine dissem. G) 2-10mm py stringers/veins (py-c- chl-g) at: 870.2, 871.0 c) in q-chl-py-c-vein, at 871.7, 45 TCA High abundance (1-2%) of accessory, dis'd tourmal 868.5-870.0.	Weak fabric 10 TCA. Solid core to 870.2, Fract'd + slickens. 10-30 TCA, 870.2-871.0 Bisectin, chlor matrix 871.0-871.6	Colour light grey
		u	532001, 872-873.0, ditto above, with 5-10% py 130 in two 10mm veins: py-chlor-qtz.	py-chl-g-veins 45 TCA and 60 TCA	
		u	532002, 873.0-876.5, ditto above. Fract'd, veined: 0.19% q-chl-py(c) veins, at 10-20cm intervals, 2-10mm. 6cm q(chl-py) vein at 875.6. Total py estim'd as 3-5% a) dissem., 'e ievy' b) in q-chl-py veins. Trace cpy in hairline chlor-fracture, 876.0	Strongly fract'd with slickens sides, at 1cm intervals, 30-60 TCA.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qz-Por-'A/B' (Grt) cont'd	532003, 876.5-878.6, ditto above. 0.5% py 30 a) 2mm stringer parallel to schistosity b) finely dissemin. Common <sup>accessory</sup> tourmaline. Trace cpy, diss'd High sericite matrix	Strongly schistose, 30-45 TCA.	Colour light gray
		"	532004, 878.6-882.5, ditto above. 330 0.5% py, and trace to 0.2% cpy, finely disseminated. Accessory tourmal.	Schistose (20TCA) to 879.5. Two q-c-v, 1cm, 80TCA, at 879.4 and 880.7	
		"	532005, 882.5-885.0 ditto above. Trace diss'd 91 py and cpy, accessory tourmaline. 10cm, dark gray, chlor-rich Q-porphyr, with sharp outlines ('inclusion') 882.6-882.9 -	25TCA.	Colour light gray
		"	532006, 885.0-887.5, ditto above. Access. tourmaline 147 with dark, chlor-rich Q-porphyr ('inclusion' ? as 'inclusion') 886.3-887.0, 30 TCA. 0.5% diss'd py, 0.1-0.5% cpy <sup>a)</sup> finely diss'd b) in tailings - chlor-veins; c) <sup>as 1x3mm</sup> <sup>silvery</sup> grains Discontinuous - 1-2mm chlor-veins 0-20TCA.		Colour light gray, Dark Q-por has sharp outlines - 'inclusion'?
		"	532007, 887.5-890.0, ditto above. 429 0.5% py, 0.1-0.5% cpy as fine dissemination. Accessory tourmaline	Weak fabric 25° TCA Swarm of anastomizing 2-4 mm carb-veins 40-50TCA, 887.5-888.0	Colour light-green gray
		"	532008, 890.0-895.0, ditto above. Trace to 0.5% 0.14opt finely diss'd py and cpy, tourmaline. Cpy commonly assoc'd with emerald green chlorite patches	Weak fabric 30-40° TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Por (B/A) (Greisen could)	532009, 895-897.3, ditto above. Trace to 0.5% each 248 py and cpy, a) finely diss'd. b) assoc'd with X1 Q-c-chl (tourmal) veins, 0.5-2 cm thick. Accessory diss'd tourmaline	Q-c-chl veins: 895.6, 60 TCA, 896.1 2 veins crossing, 896.9-897.2, 1cm 20 TCA	
		"	532010, 897.3-899.0, ditto above, trace to 0.5% 150 each py, cpy, diss'd. 2 cm q-c-py vein 70 TCA at 898.8.	Two 3-5 mm q-c-veins, 30 TCA and one bifurcating,	
		"	532011, 899-902.7, ditto above, trace diss'd 0.26 opt py, cpy, tourmaline		Colour light grey
		Mixed Zone: Qi-P (B')	532012, 902.7-905, ditto above 0.67 opt 0.5% cpy a) finely diss'd b) large grains	Unfractured 902.7-903.5 'Cracke Bxia', chloritic filling,	Colour of Breccia whitish.
		minor FLTR PR LGD	0.2 - 2 mm $\phi$ , c) in chlor matrix of cracke Bxia 0.5-1% py, diss'd and in chlor. matrix of Bx. Two ~ 5cm patches of vfg, 'cloudy' material, interpreted as Filter Pressed Liquid (FLTR PR LGD)	903.5-905.	cpy in Bxia matrix up to 2 x 5 mm. patches cpy matrix
		Qi-Por (B/A)	532013, 905.0-908.8, ditto above. Cracke Bxia to 906.0, 0.74 opt cpy 0.5-1%, py 0.5-1%, a) fine diss'ed. b) 1-2 mm patches assoc'd with seric-chlorite-vein	30 TCA	
		"	906.4-906.6 532014, 908.8-910.6, ditto above, with crossing 0.287 opt 1mm chlor-fracture, (cracke Bx) at 3-5 cm spacing, 1cm q-chl-vein + trace cpy, 909-909.4. Accessory sphene, tourmaline, py.	Cracke Bxia	Colour mottled light- to dark grey
		Bx, Mixed Zone f.g. Qi-Por	532015, 910.6-912.1, ditto above, cut by Breccia 0.77 opt vein + py. Vein matrix is fine grained qb-eye-phosph, (no seric), hosting cm-	Bxia vein 10-20 TCA	




FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			size coarse Qi-Por.	py-vein in Gxla, 10' TCA	
			Trace chlor-veins + trace cpy.		
			Within Gxla: Py vein, 5 mm x 8 cm, 11CA		
		Qi-Por ('B')	532016, 912.1-914.7, ditto above, Gxla Qi-Por	XL-Q-c-vein, 1 cm, 70TC	
		(Gxla, cont'd)	151 with 1 ft fine grained Q-F-por 913.5-914.5	at 914.3'	
		(Mixed)	Trace py, trace to 0.5% cpy, 913-914.7		
		u	532017, 914.7-916.0, ditto above: Qi-Por-Gxla		
			45 0.5% py, trace cpy, aspy, diss'd. Access		
			to urmaline		
		u ('B')	532018, 916.0-917.1 Mixed Zone: Coarse-	1 <sup>cm</sup> patch of XL Q-c-vein	
		(Mixed)	3 Qi-Por Gxla, mixed with 40% cm-size,		
			irregular shaped patches of fine grained		
			'cherty' Q-F-por (no silic). Trace py		
		Qi-Por ('B')	532019, 917.1-920.0 ditto above. Weak		
		Gxla	276 cradle-Gxla to 919'. Trace diss'd py		
			(cubic and eiry'), cpy, aspy, tourmaline		
		u	532020, 920-923.2, ditto above, Trace diss'd		Cpy and aspy commonly assoc'd with
			196 py, cpy, aspy, tourmaline.		'brownish green' chlor patches
		u	532021, 923.2-926.0, ditto above. Trace diss'd		
			339 py, 0.5% cpy, tourmaline.		
		u	532022, 926.0-927.6, ditto above. 1-2% diss'd cpy,		
			54 0.5% py. Cpy occurs preferentially in		cpy in cm-size darker patches
			cm-size dark-gray, chloritic patches		
		u	532023, 927.6-930.0, ditto above. Trace diss'd		
			46 py, cpy, aspy. Accessory tourmaline		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Por ('B')	532024, 930-932.4, ditto above Trace diss'd	sharp	
		Gneiss (cont'd)	281 cpy, py, to unmat'ure	Contact 50 TCA	
		Mafic, schist + propyl <sup>2d</sup>	532025, 932.4-933.5, Schistose mafic rock 0145 <sup>opt</sup> chlor, fsp and > 4 cm x lg-c-vein	Schistosity 50 at upper contact, 20-30° in near part	
			parallel S, to 933.0		
			Dark, chlor-rich Qi-Porph (propylitized) to 933.5		
			with trace diss'd py, cpy		
		Qi-P and propyl <sup>2d</sup>	532026, 933.5-936.2. Actinating (at 10-20cm) 0165 <sup>opt</sup> Qi-Porph gneiss and dark, chloritic, propylitized Q-porphyr. Crackle lx to 933.8. Trace diss'd py, cpy.		Sharp, un-faulted low undulations between the two (solution fronts?)
			Fine grained mafic chlorite rock, with slickens	Slickens, 10° TCA, striations	
			935.8-936.2.	high angle TCA, lower contact	
				slickens, faulted, with 3cm	
				lx, 40-60 TCA	
		Qi-Por Gneiss, lx	532027, 936.2-938.8. Qtz-eye Porphyry gneiss, 71 light gray, cut, at 1-2cm intervals, by 1-3mm wide, chlor-slickens. Minor q-c-v, 1-2mm wide. Trace diss'd py	slickensides 20-70 TCA, crossing (crackles lxia??)	core strongly broken
				937.5-938.0 Breccia.	
		Qi-Por gneiss (cont'd)	532028, 938.8-941.0 ditto above, High sericite. 499 matrix. 6.5-1% cpy, trace py, diss'd. Some cpy are large (5mm), 'silty'	1-2 mm c-q-v // CA	Core solid coarse light gray
				Weak fabric 10 TCA.	
		VEIN (py-chl)	521057 941.0-941.4. 4cm coarse py (60%) 0320 <sup>opt</sup> chlorite vein, enveloped by ~5cm of dark, fine grained (chloritic) rock (propyl <sup>2d</sup> )	-65° TCA,	Out of sequence =

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Por-quartz /cont'd ('B')	532029, 941.4-945.0, ditto above (to 941.0) 0315 <sup>off</sup> High seric matrix. 0.5% cpy, trace py, aspy, diss'd. cpy also in 2mm chlor-carb veins.	Weak fabric 10-50 TCT hairline chlor-carb-epy veinlets high angle TCT	Color light green gray
		"	532030, 945.0-950.0, ditto above. 98 High seric matrix. 'Anagen'-textures of qtz eyes in seric matrix Trace py, diss'd. Trace cpy, in chlor-q- veinlets and vfy, diss'd.	Weak fabric 10-30 TCT closely spaced (1cm) chloritic slickensides, 60-80 TCT, and 10-20 TCT 946-947.5.	Strongly fractured 946-947.5! matrix rubble. Color light gray Qtz eyes dark gray No tourmaline. Relatively coarse, white muscov- seric: making up matrix
		"	532031, 950-955.0, ditto above. High 0228 <sup>off</sup> seric/muscov. matrix. Trace diss'd py. Trace cpy in trace thin q-chl-veins	Distinct fabric / schistosity 20-30 TCT, and slickens.	Rubble 950.8-951.8
		"	532032, 955.0-957.7, ditto above. High seric/muscov 0220 <sup>off</sup> matrix. Trace diss'd py, tourmaline. Trace cpy in trace, poorly defined 1-2mm q-v and in slickensides.	distinct fabric 20 TCT, minor slickens cutting fabric	
		Vein, q-py-c	532033, 957.7-958.1. Qtz-py-chlor-seric vein. 165 <sup>off</sup> 4cm thick. Py 10-20%	Acutate contact between vein and Qi-Por host rock	<del>g-py-c</del> g-py-c
		Qi-Por ('B') quartz	532034, 958.1-960.0, ditto above (to 957.7). 213 Trace tourmaline. 0.5-1% py, associated 1-3mm sieve grains.	Chlor-vein, 75 TCT 958.5-959.0. Fract'd, 50-70 TCT, at 2-4cm intervals	
		"	532035, 960.0-965.0 ditto above. High seric matrix 0600 <sup>off</sup> trace py, cpy, diss'd and as rare 5mm sieve patches: 'sooty' py, cpy, tourmal, qtz, coarse seric/muscov. (at 962.0)	Weak fabric 30-40 TCT.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Por ('B')	532036, 965.0-970.0, ditto above. High matrix.	Weak fabric 30-40 TCA	Colors (matrix) light gray
		green cont'd	.0414 opt 0.5% py, diss'd, trace cpy, trace tourmaline		
		u	532037, 970.0-975.0 ditto above, high seric matrix	Weak fabric 30-45 TCA	" " "
			120 Trace - 0.5% py, cubic, clear and/or dark	At 972.5' 1-2 cm wide, bifurcating	
			Trace 1-2 mm 'silty' megacrysts.	'fingers' of fine grained chert	
			Trace diss'd tourmaline	Qi-porphyr (FLTR PR LQ?)	
		v	532038, 975.0-978.7, ditto above, high seric	Weak fabric, 30-45 TCA	Colors (matrix) light gray
			337 matrix, 0.5% py as a) fine chert, b) rare linear stringers (1 x 20 mm). Trace	Sharp lower contact	
			tourmaline. 3-5% py within 2 cm of	40 TCA.	
			lower contact		
		Mafic Inclusion	532039, 978.7-980.5 Fine grained, foliated,	Strong fabric, 60 TCA.	
			34 <sup>3</sup> dark gray fsp-chlor-seric rock, 0.5%		
			diss'd py		
		Qi-Por ('B')	532040, 980.5-983.8, ditto above (to 978.7)	Distinct fabric 45 TCA.	Colors (matrix) light gray
		green (cont'd)	377 High matrix/seric. 5-7% py as parallel	py-stringers parallel to	
			stringers (   S), 1-5 mm wide, 1-75 cm	fabric	
			long. Accessory tourmaline, in places		
			assoc'd with py stringers.		
		u	532041, 983.8-986.0, ditto above. High seric	ditto above (to 983.8)	"
			399 matrix, 5% py in stringers and one		
			10 mm vein (py-q) at 984.5'. 2 cm q/chl -	35 TCA.	
			vein at 985', 45° TCA		
		u	532042, 986.0-987.9, ditto above, high matrix	ditto above, fabric 30 TCA	No tourmaline
			.0669 opt 0.5% py, a) as stringers/clusters    fabric.		
			b) very fine chert, cubic grains. Trace cpy		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Si-Par (B')	532043, 987.9-993.2, ditto above. High silic matrix. 0.5-1% py as a) trace chlorite, euhedral and an-hedral.	Distinct fabric: 10-20 TCA to 990.5; 50-60 TCA 990.5-993.2. Fract'd + solid sides, 30 to 60 TCA, at 3-10 cm intervals	(9) Growth of euhedral  <sup>small</sup> py - porphyroblasts AFTER deformation (ductility)
			b) more commonly, <sup>rare</sup> large 'sieve' patches // S, c) in $\leq 1$ mm stringers / fractures cutting fabric Trace disse'd tourmaline. 2-4 cm e-g-vein at 990.5, (carb yellowish). Trace as py	irregular, 60-70 TCA weak fabric, 40% TCA Sharp lower contact, with py, 45 TCA	
		"	532044, 993.2-995.3, ditto above 200 @ 0.5% py, as disse'd cubic grains, trace vfg cpy, accessory (0.5-1%) tourmal.		
		Fsp-Par	532045, 995.3-997.3. Fsp porphyry, fine grained, <sup>large eyes</sup> 34 foliated, 0.5 mm / fsp phxts in fsp'ic (g??) matrix, trace chlor, sphene. Scatt'd large (1-3 mm) euhedral py porphbl. Trace tourmaline veinlets ( $\leq 1$ mm) + py	Distinct fabric 30 TCA	Interpreted as older small veins Fsp 'phenocrysts' partly developed, not 'Coxy'
		"	532046, 997.3-1002.0, ditto above (to 997.3) 2 Trace to 0.5% py, as scatt'd porphyroblasts.	"	Mag. Suss. 0.2 - 0.3
		"	532047, 1002.0-1005.0 ditto above (to 997.3) 4 trace disse'd oxides, (spec. hematite, red streak), trace py (porphbl)	"	High Mag. Suss. 1.0 - 4.0
		"	532048, 1005-1012.0, ditto above 2	"	Mag. Suss. at 1 ft intervals: 1.85 - 2.98 .22 .23 .19 .13
		Qtz-Par and fsg F-par	532049, 1012-1015.2, Qtz-eye-porph quartz, 21 1012-1014, with 0.5% disse'd vfg py, and a 3cm cluster of ~5% tourmal at 1013.2, 1014-1015.2, fsg foliated fsp porph, as to 997.3	Fabric and lower contact 25 TCA.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Por (B')	532050, 1015.2-1016.2, Qtz-eye porph. gneiss, 324 0.5-1% py, dissd cl-3 mm chl <sub>2</sub> -carb veins, //s, 40-50 TCA.	Sharp lower contact, 50TCA, with slickens.	Magn. Susc 0.14
		Fe-por fg, feld	532051, 1016.2-1017.0 Fine grained, foliated 59 Fe-p-porph as above (dte 997.3) Trace py, dissd and at lower contact	Sharp lower contact 45TCA, with slickenside, and py	Magn. Susc. 0.16
		Qi-Por (B') gneiss.	532052, 1017-1020.0, low sasic matrix. 154 Trace cubic py, Rare trace cpy, vfg	Massive, no fabric	Magn Susc 0.15 NO tourmaline
		"	532053, 1020-1025.0, ditto above, low sasic matrix, 0.5% py, trace cpy, <sup>trace</sup> tourmaline, concn'd 1020- 1021.5, as scatt'd 1mm sievy patches, cpy with 'emerald green' chl <sub>2</sub> . 1cm Q-c-chl-vein at 1021.2, 70 TCA	" "	Magn. Susc. 0.12-0.15 Color medium gray
		"	532054, 1025-1028.1, ditto above, trace-0.5% py trace cpy.	1 cm X 1 Q-c-chl vein, 60 TCA, at 1027.1	NO tourmaline, Magn. Susc 0.12
		"	532055, 1028.1-1029.2, ditto above, 1% py, trace cpy, 313 as scatt'd 1-5 mm 'sievy' grains, abundant adjacent to, hairline chl <sub>2</sub> veins.	5 cm Q-chl-vein, 65 TCA, at 1029.0	
		"	532056, 1029.2-1033.9, ditto above, 0.5% py trace 'sievy' 1x3 mm grains, b) vfg dissd Trace cpy, vfg dissd; and in a few large, 'sievy' py-epy patches, 1033.5-1033.9.	Weak 'wacke' (Gria?) (crossing 1mm chl <sub>2</sub> veins, 1033.5-1033.9'	Magn. Susc, 0.1-0.16 no tourmaline.
		"	532057, 1033.9-1035.2, ditto above, 0.5% py 426 as scatt'd 1mm grains, rarely as large (1-2mm) clusters; trace vfg cpy	5 cm q-chl vein 65 TCA, @ 1034.3'	Magn. Susc 0.12-0.14

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532057, cont'd. Trace ± 1 mm chlc-c-veins.	Lower contact sharp/trans- Hornal ~ 75 TCA.	no tourmaline
		F-Q; - Pol('B')	532058, 1035.2 - 1037.7 Fsp-qtz-porphyry, fine- 139 grained, massive, 10% qtz-eyes in matrix of small fep plxts, an-hedral fep (+qtz??), minor chlc, 5% 1-2 mm, scattered, emerald-green chlc patches, with trace cpy. Trace - c. 5% py. as fg dissem and rare 1-3 mm cubes. Cpy also in ± 1 mm chlc-c-veins.	Chlc veins 20-30 TCA.	Trace tourmaline
		v	532059, 1037.7 - 1040.2, ditto above (to 1037.7) 0.42% <sup>st</sup> 0.5% py, a) rare 0.5-3 mm grains, b) fine dissem <sup>cubes</sup> . Trace cpy, dissem in chlc patches. Lower contact indistinct, possibly gradational, ~ 70 TCA	Rare ± 1 mm chlc-c-veins ± trace cpy, 20 TCA.	
		Q in F-Pol('B')	532060, 1037.7 - 1043.0: Qtz-eye-fep porphyry, Greisen (Mixed Zone) 361 low sericite matrix, with 10 cm F-Q-porphy 1042.5-1042.8. Trace dissem cubic py. 2 XL- q-c-chlc veins, 1-2 cm, at 1040.4 and 1042.7, 60 TCA.		Trace tourmaline
		u	532061, 1043 - 1046.0, ditto above, 1-2% py, 151 dissem as a) fine dissem grains, b) larger sizes and clusters. Trace tourmaline		
		u	532062, 1046 - 1048.2, ditto above, with 22 crossing (cracks??) 1 to 2 mm <sup>2</sup> c-ohalst py -veins. 0.5-1% py, dissem and in q-c-v. XL q-c-py vein at 1046.2'	Weak fabric 30 TCA veins 15-50 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-F-Por (B)	532063, 1048.2-1,050.0, ditto above, 1-3% py,		
		greisen (MxasZ)	108 0.1-0.5% cpy, as catted 1-5 mm 'euby' grains		
		"	532064, 1,050-1,052.0, ditto above. 1% cpy,		Increase in coarse cpy, as
			.03 opt 1% py, as scattered large (1-3mm) grains		scatt'd 1-3 mm grains
			cpy and py generally as separate grains		
		"	532065, 1,052-1,054.0, ditto above, trace py, cpy	Several cm - 'fingers' of	Magu Succ 0.13
			.045 opt as rare 0.5-2mm large grains and	fg, 'charly' 'FLTR PR LAD'?	
			fine diss'd grains. Rare trace tourmaline	? Contact to High matrix Qi-P.	at 1,053.0
		Qi-Por (B)	532066, 1,054-1,055.7, High sericite matrix	Weak foliation	
		greisen	.063 opt Qtz-eye-porphyry greisen	Slide on slide 5-30 TCA.	
			~1% cpy, very finely diss'd,	Lower contact as slides,	
			~1% py as 0.5-2mm grains, diss'd	45 TCA	
		Qtz-py-vein	532067, 1,055.7-1,056.7 Qi-Por-greisen	Curved contact of	
		+ Qi-por	.019 opt interfingering with >10cm wide	qtz-cls - py - cpy vein. Py 5%	
			cpy 1%, as reticulate, anastomosing	qtz-cls - py - cpy vein. Py 5%	
			fracture filling in q-v.	Lower contact 30 TCA	
		"	532068, 1,056.7-1,060.0, ditto above (to 1,055.7)		Magu Succ. 0.12 - 0.15
			297 High-seric. matrix Qi-Por-greisen.		
			1% py as diss'd grains (cubes), trace cpy,		
			vfg diss'd. trace aspy. Rare trace tourmaline		
		"	532069, 1,060-1,062.0, ditto above, 1% py, diss'd,	Sharp but diffuse lower contact	
			142 trace cpy, aspy. tourmaline	45 TCA.	
		Qi-F-por (B)	532070, 1,062-1,065.0, ditto above (to 1,050)	3mm q-c-cls-v, 40 TCA	
			67 Matrix fsp, qtz, trace seric. Trace to 0.5%	at 1064'	
			py, trace cpy, aspy		



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qz-F-Pa(B')	532071, 1,065 - 1,068.v' ditto above.	massive, solid core	
		Mixed zone	196 Some fsp plxts zoned, some glau	rare fractures	
		(Grisen cont'd)	graphic qtz-fsp-intergrowths, low seric		- 'GG'
			Matrix v/f q-fsp.		
			Trace v/f diss'd py, cpy		
	u		532072, 1,068 - 1,071.0, ditto above.	1-3 mm	
			0.49% 0.1 - 0.5% cpy as 0.1 - 0.5 mm & patches,	c-q-obl-v, 1-2 cm spaced,	
			rare 1 mm, assoc'd with fine chlor	10-30 TCA	
			veins. 1% py as cubes, bear chlor-seric		
			veins / fractures	30-40 TCA	
	u		532073, 1,071 - 1,074.0, ditto above. Slightly		Mag. Susc C.14
			320 coarse qtz-eyes, more seric matrix		
			0.5% py as rare 1-2 mm grains, and		
			trace dissemin.		
	v		532074, 1,074 - 1,076.8, ditto above. Trace - 0.5% py		
			200 diss'd, trace cpy, as v/f clusters of epidote		
	v(B')		532075, 1,076.8 - 1,077.9 ditto above.		No - contact zone
	(Mixed)		40 20 cm portion of fine grained fsp-Qz	contacts 30 - 50 TCA	
			porphyry, with cm size dk gray chloritic		
			patches and coarse (0.5 - 3 mm) cpy patches.		
			1% py, 0.5% cpy		
	v(B')		532076, 1,077.9 - 1,079.7, ditto above, with several		
	Mixed.		308 large dendritic py-epy patches assoc'd		
			with chlor-seric. Total sulph 1-2% py,	Lower cont. of 35-40 TCA	
			0.5-1% cpy.		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qz-F-Pol (B)	532077, 1,079.7 - 1,080.0, ditto above, with 5-7 cm	Highly fractured	Core in GCS
		Mixed zone	29 fine grained 'cherty' zone (Filter pressed		
		Gneiss	liquid?) Trace py		
		u	532078, 1,080.0 - 1,083.0, ditto above (to 1,076.5)		Higher, Euc, as a few thin
			65 Trace - 0.5% py disc'd, cubes. Rare 1-3 mm		a core
			'cherty' grains.		
		u	532079, 1,083 - 1,086.0, ditto above,	2 cm q-v, 65 Tct,	Not commencing
			195 1/2 py, a fine chert disc'd, 5-10 mm	at 1085'	
			7-10 mm 'cherty' megacrysts.		
		u	532080, 1,086.0 - 1,090.0 ditto above. Trace - 0.5%	Two low chl-q veins	
			321 py disc'd, a few 'cherty' grains.	70-80 Tct, at 1085.2, and	
			Trace sp as vfy clusters of apite	1088.8	
		u	532081, 1,090 - 1,095.0, ditto above	0.5 cm q-c-v, 20-60 Tct	
		(A-121)	018 apt 10 cm zone of fine grained 1-q-p at	at 10-20 cm = py, apite,	Trace py, apite, aspu
			1092.2'. Trace to 0.5% disc'd very fine:	Trace q-v, 50 Tct at 1094.8'	
			py, cpy, aspu.		
		u	532082, 1,095 - 1,100.0 ditto above.	extremely fractured,	NO commencing
			434 Very fine chert disc'd, 50-200 μ dust.	Elaborates 10-40 Tct,	Low grade aspu
			cpy (0.5%), py (0.5%) aspu, trace!	1093 - 1099'	Trace q-v, apite
			at 1,097.5', 5 mm <sup>XL</sup> q-c-v + 1 mm <sup>3</sup>	65-70 Tct	cpy - aspu (py) inclusions
			grains of cpy, aspu.	(Core generally hard, competent)	vfy (50-200 μ), to end of hole
	1,100.0		ECH		in beyond 200'



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Drilling forage au  
Log B.G. diamant**

Complete this form and  
related sketch in duplicate.  
Remplir en deux exemplaires la  
présente formule et le croquis annexé

Fill in on every page  
Remplir ces cases à  
chaque page

Hole No. Forage n°	Page No. Page n°
NV-02-03	1

Drilling Company Compagnie de forage <b>RONKOR DIAMOND DRILLING LTD.</b>		Collar Elevation Élévation du collier <b>1,257 ft.</b>	Bearing of hole from true North/Position du forage par rapport au nord vrai <b>330° Az.</b>	Total Footage Avancement total du forage <b>650 Ft.</b>	Dip of Hole at Inclinaison du forage au Collar/collier <b>-45°</b>	Address/Location where core stored Adresse/endroit où la carotte est stockée <b>KLONDIK LODGE NORTHVILLE GOLD CORP. CORE STORAGE FACILITIES CHESTER TOWNSHIP</b>	Map Reference No. N° de référence sur la carte <b>NTS 41P/12 SW</b>	Claim No. N° de concession minière <b>PATENT S 20096 AND S 19972</b>
Date Hole Started Date de commencement du forage <b>JULY 19, 2002</b>	Date Completed Date d'achèvement <b>JULY 20, 2002</b>	Date Logged Date d'inscription au journal <b>SEPT 10 - OCT 1 2002</b>	Logged by Inscrit par <b>DR. PETER FISCHER</b>		<b>330 FL/PI -45°</b>		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) <b>CHESTER TOWNSHIP 431345 E 5267582 N UTM ZONE 17 NAD83</b>	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>NORTHVILLE GOLD CORP.</b>		Date Submitted Date de dépôt <b>FEB. 19, 2002</b>	Submitted by (Signature) Déposé par (signature) <b>P. Fischer</b>		<b>600 FL/PI -45°</b>			
					FL/PI			
					FL/PI	Property Name Nom de la propriété <b>YOUNG - SHANNON GOLD MINES</b>		



41P12SW2013 2.24998 CHESTER

030

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
0	40.0	OB	Overburden		
40.0		Fep Porph & Qi-Por	Feldspar porphyry, in part propylitized, alternating with 1 to 25m portions of fine grained Qtz-eporphry. Minor sulphide (py, cpy) disseminated in veins. Cut by veins (q, q-c, chlor, etc). Labels described for individual sample intervals.		
		Fep-Q-Por	N532220, 40.0-41.1 Fep-porphry. Colour whitish, spotted. Massive texture porphyritic. Made up of: White fep phxts. variable sizes, large ones 2-4mm. Rare Qtz eyes. 1-3mm. Matrix: Groundmass Qtz and small fep, euhedral (0.1-0.5mm), scattered - 3% chlor. patches / specks, 0.5-2mm. Trace sulphide disseminated within chlor: py, po, cpy. Trace sphene	1/2 of interval is rubble.	
		"	532221, 41.1-42.3' ditto above. with ~0.5-1% cpy. One 3x20mm 'sieve' patch of cpy, in a 5mm q-dk-c vein. 1-2mm cpy grains associated with fg. bluish Qtz use patch 2x5cm / q-v? ff Qi-Por?	hairline c-chlor veins, 2.0-60" TCA, 2-10cm intervals. Contact ~ 65TCA	
		Qi-Por	532222, 42.3-43.7 Qtz-eporphry, fine grained, 'clear', colour white / light grey. ~90% matrix: fg fep, Qtz, and minor dark trace sphene trace disseminated sulph. / po, py, etc.	Enclaves mostly outlined and patches of Fep / Qi-Por.	

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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532222 cont'd hairline c-dk-v, 45-65 TCA, at 3-5 cm intervals.	Lower contact ~ 70 TCA,	
			Chlor-sulphid stringers 3-10 mm, distribution.	diffuse probably sharp.	
			with (avg) (1-4 mm) py-py (ep) patches		
		Fsp-Por (+Qi-por)	532223, 43.7-49.7' ditto above (to 41.1) Fsp(Q) por, cut by 5-10% cm-size dykes or irregular 'fingers', of fg Qi-dorphyry (as to 43.7'). Minor veining: Hairline chl-cab-v, q-v, q-c, at ~10-20 cm intervals. Two ~1 cm q-c v. at 49-49.6.	→ 45 to 75 TCA. → 50-65 TCA	
			Two 1-3 cm 'bleached halo' around a 2 mm q-c + chlor-v, 47-48'. Sulph: Trace py, ep, in thin c-dk-v.	Lower contact / 70 TCA	
		Q-chlor-v.ii	532224, 49.7-51.4'. V. v. Qtz (80%) - chlor-biot- -cab-tourmaline. White and gray qtz with oriented <sup>cu-ve</sup> stringers of massive chlorite as biotite. Calc and tourmal patches near lower portion (HW?). One large 4 x 10 mm py patch. Trace ep.	chlor-biot-stringers 50-70 TCA	Hanging wall down-hole.
		Fsp(Q)-Por (Mixed-Zone)	532225, 51.4-52.3', 65% chlor (to 42.3') within 10 cm of lower contact, 25 cm zone of fine grained Fsp-Q-Por, with mm-1 cm fg dark chloritic patches. and cm-spaced hairline chlor-c-v (+py). Trace py (cubes), in chloritic patches in fg Fsp-Por.	Lower contact 60 TCA	
			532226, 52.3-53.5'. Intermediate fg-mg rock, ? propylitized Qi-F-Por? Compositions: Fsp, biot (25%), qtz <sup>ep</sup> 5-10%, 1% cubic py, 3 veins, at 10-15 cm spacing: mostly q-c. At 52.3 q-c-chlor-py	→ 45-60 TCA Lower contact sharp, irregular 75-75 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F(Q)Por	532227, 53.5-57.1' ditto above (to 41.1) Gte eyes very rare. Moderate vein density: ± 1-3 mm chlor-c(q)-veins, at 5-10 cm spacing. Trace py in veins. 5 cm	5 cm inclusion, list-vein, at 56.9' crossing, 20-50 TCA	
		F(Q)Por	532228, 57.1-58.6'. ditto above (to 57.1), with 3 q-c-veins (0.5-5 cm). 5 cm q-py -vein at 57.8', has one large 2 cm size py-xk. Hairline chl-c-v at 2-5 cm intervals, 57.8-58.6	40° TCA Lower contact 65 TCA, marked 6-5 mm xl q-c-v	
		Mixed F(Q)Por ± Propyl.	532229, 58.6-61.5'. Mixed zone: F(Q)Por, ditto above, alternating, at 0.5' to 0.8 ft, with dk green, chl-vein, propyl? Q-F-P(?) At 60.5' 5 cm area of vfr, clarity Fsp-porphy, white. 1% gl'zd 1-2 mm cubic py. Also 1-2 cm q-v at 59' and 61.4'	Contacts between FQF and mafic Propyl? rock 40 to 60 TCA Lower contact 60 -q-v 45	Magn. S. sec 0.12 0.30
		(UM) Mafic rock (Propyl?)	532230, 61.5-64.0'. Mafic (propylitized?) rock: Massive, eq, 3-8 mm ampb plates (80%) minus fsp. 16 dk'zd py	Lower contact 40-45 TCA.	Magn. S. sec 0.75, 1.13
		F-Por (partly propyl'zd)	532231, 64.0-65.0. Fsp-porphyry (as to 57.1), partly propylitized. F-Por cut / permeated by 1-2 cm intervals, by network of dk green, chl-c veins and patches, decreasing from 64.5 to 65.0 Trace py in chl-c patches	2 cm 6x1/2 vein, with q-c-vein filling, 60 TCA, at 64.5'	Magn. S. sec 0.55, 0.51, 0.13
		F-Por (Mixed)	532232, 65.0-70.0. Fsp-por (as to 57.1). Cut by 3-5 cm size of fsp. 11% clarity q-porphyry, at 67.3-67.5. ± to 3 mm q-c-v and c-obl-v	60-70 TCA, Qi-Por	Magn. S. sec 0.12 0.19 .14 .11

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532232 cont'd crossing at 1-5 cm intervals. 65-68' Thin 0.5-2 cm q(c)-v 68.5-70.0'	45-65 TCA	
			Trace py, disoid and azoid with veins		
		F-Por	532233 70.0-72.2, ditto above (to 70.0), with ? crackle bxia? 70.6-71.6 distensional q-c-v system	0.5-2 cm thick, 5-70 TCA, Lower contact 65 TCA	Mag. Suis 0.09 .11
			and crossing basiline chl-v, q-c-v, chl-c-v, at 1-5 cm intervals, Trace py.		
		Q (chl) vein + F-Por	532234, 72.2-73.1' Fop - porphyry with 12-15 cm (0.4 ft) q(c) vein and with a	irregular contacts of q-v, 60-65 TCA	" " 0.15
			0.3 ft halo of hyp. bitic propylized patches, clin. size; and intervals of 1 cm = post chlor-veins (clin.)	60-80 TCA	
			2% py as large (1-8 mm) cubes; tr. opx v. py and cpx in chloric, propylized areas		
		F-Por (+ chl-v) propyl.	532235, 73.1-76.1 Fop-por, similar to above (to 73.1), but no large q-v. Permeated by	Chlor-veins at 2 cm spacing, 20-70 TCA	" " .07 .06 .14 .08 .14 .09
			~10-20% chloric 'crackle bxia', i.e. thin, cross-cutting, chl-v and related clin. size chloric patches (propylized) ~ 2-3% py as large (1-5 mm) cubic grains in chloric areas. Trace opx, in veins etc.	Sharp lower contact 65 TCA	
			Trace chl. oxide in chlor		
		Propylized Q-Fld	532236, 76.1-77.2, propylized q-fop-porphyry. A few Mn-qtz eyes, mainly fop pits, in groundmass of bit-chlor-fop. 2% disoid cubic py, 1-3 mm		" " 0.35, 0.28
		F-Por (Mixed, none D)	532237, 77.2-81.1', ditto above (to 70.0'). Cut by two younger generations of fine grained F-por, 79.3-80.3: a) f. fop-por, b) vtz, cherty		F-Por cut by 2 generations of fines F-Por, G-Por! by Propyl. by q-c-v.

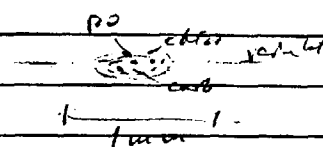
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			<p>632237 cont'd                      withy Qi-F-Por (3-6cm); and 1-2 cm 'cherty'                      Qi-F-Por fingers in 2 other places. ~ 5/0 cm size                      chlorite / propylite patches of various cm-spaced                      chlor-c-v, cl - 5mm. Miners veinling (cl-3mm).                      chl, chl-c, q-c-Grt. Sulph: trace - 0.5% <sup>pk calcit</sup> py addition                      b) mainly in chlor-v, as large rtho in cherty                      Qi-F-Por. ~ 0.5% Cpy, only 2 mm q-c-v, at 80ft - 60TCT</p>		
		F-Por (Mixed, Zone D)	<p>532238, 81.1-83.5. Eil. rtho above (to 81.1)                      F-Por, cut by an increasing amount of                      cm-size patches of ofy cherty Qi-Por, as                      approaching lower contact. Propylite 82.0-82.5,                      and cm-propylite patches to 83.0.                      Py 0.5 as large (0.5-4mm) grains in propylite                      patches</p>	<p>83.0-83.5 intrusion bxta                      Lower contact 45-50TCT</p>	<p>Mapu Suse. 0.10 .11 .13                      Sequence: Observed:                      (oldest)                      D cpy F-Por.                      C Propyl. of cpy F-Por                      B fg-mg F-Por                      A (youngest) rtho 'cherty' Qi-Por</p>
		Qi-F-Por	<p>532239 83.5-86.1 vfg. 'cherty' Qi-F-Por.                      (stns/dly) withy-4 py, w/ med. q. Tiny fsp plate.                      ~ 1% large (0.2-1mm) qtz eyes. Trace chlor?                      locally <sup>to 0.5</sup> (clusters) of 0.1-1mm - po. At                      86.1 one sieve po-py-opy patch, 1x2cm.</p>	<p>8mm <sup>xl</sup> c-q-chl (mm) v. 65TCT                      Lower contact 30TCT</p>	<p>Mapu Suse 0.1 0.27</p>
		F-Por (Mixed, Zone D)	<p>532240, 86.1-88.0, ditto above (to 83.5).                      cpy F-Por cut by 10-20% cm-size patches of ofy                      cherty Qi-F-Por. 0.5% cubic, cherty py in F-Por.                      Tr. po of chert blix thin q-c-chl vein cutting -&gt; cherty Qi-F-Por</p>	<p>Lower contact - trap 65TCT</p>	<p>Mapu Suse 0.24</p>
		Qi-F-Por	<p>532241, 88.0-90.0. ditto above (to 86.1) vfg,                      cherty qtz-eye-fsp pos. Lower half with as                      intrusive bxta; looking 20-30ft cm-size, iaf's</p>		<p>.08 .09</p>



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			q'cp' F-Por. Trace chert off ex, ~5-10% scattered min - chert patches, Trace po in chert patches, trace py (0.5-2mm - chert)	Minor silic - chert - v.	
		F-Por	532242, 90.0-91.6, ditto above (89.5) c.g. F-Por, hosting ~10-20% cm-size rafts of dk grey propyl'd F-Por. Calc also by 10% of vfg cherty Qz-F-Por. ~0.5% py, tr. po, as <sup>two</sup> ~1-2 cm size clusters of calc, in propyl'd patches.	hairline c-v, at 5-10 cm intervals, 30 to 60 TCA.	
		Qz-F-Por Minor 'D'	532243, 91.6-93.8, ditto above (to 96.6) vfg and vfg Qz-F-por, 2 generations, enclosing 10-20% cm-size rafts of dk, cherty, propyl'd material. ~1-2 to and py and 1-2% po, as 1x4 cm silty patch in chert, propyl'd area.	Minor e - chert - v, <sup>at 3mm</sup> 10-40 TCA	Mag. Susc 0.07 - 0.24
		Qz-F-Por (vfg)	532244, 93.8-98.0, ditto above (to 86.1) vfg cherty, Qz-F-por, hosting 2 ~10 cm inclusions of c.g. F-por at 96.2 and 97.0. Trace - 0.5% py (0.5-2mm grains), trace <sup>to 0.5%</sup> vfg chert po (ep) oxide. Po ~1% as vfg-1mm grains, 97-98.		0.1, 0.11
		Qz-F-Por (vfg)	532245, 98.0-101.0 ditto above (to 98.0) ~5% cm -inclusions. Minor hairline to 2mm <sup>± po, py</sup> q-c, c, <sup>± po, py</sup> c, <sup>± po, py</sup> c, at 3-10 cm intervals. ~0.5% po, 0.5% py as a) chert f-pores (0.1-1mm) b) in vfg c) as vfg large, 5-15 mm patches. ~2% small round q-c-chert (± po) patches (nucleated to qz-eye?)	~ 30-60 TCA	0.08 .7 .15
		Qz-F-Por (vfg)	532246, 101.0-104.5, ditto above (to 98.0). Minor hairline c-v, chert - v. at 2cm to 10cm intervals	10 to 80 TCA	10.06 .06 0.04

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Rare cm <sup>size</sup> mag F(Q)P. inclusions, angular		
			Py, po: trace to 0.5%, as a) vfg diss specks, b) larger grains (to 5 mm) c) in <sup>thin</sup> veins	with siliceous	
		F-Q-Por	532247, 104.5-106.4, d,th above (to 81.1) mag. Grain size 0.5-1.5 mm, 5-10% diss'd cl. below.	Lower contact sharp 40 TCT Minor cv, < 1 mm	Magn Susec 0.8
		Q:F-Por (vfg)	Trace py, 1 mm cubes, & epy, (x 2 mm in vein). 532248, 106.4-108.3, d,th above (to 98.0)	Flow fabric 50-60 TCT, 107.8-108.1	0.08 .12 .13
		Q:F-Por (vfg)	Minor kaolinite c-v. Trace py, po, as scalds 0.5-2 mm grains and b) assoc'd with thin veins		
		Q:F-Por (vfg)	532249, 108.3-112.0, d,th above (to 98.0) Minor veinings. Rare trace <sup>diss</sup> py, po, trace cl. below as scald 1-4 mm dk spots	Rare kaolinite chl-v c-v q-v.	0.11 .08 0.07 .08 Unusually pure, siliceous, q(f-p) rock.
		Q:F-Por (vfg)	532250, 112.0-113.6, d,th above (to 98.0) (color slightly darker (gray), due to ? M-size black dusty grains and to diss'd cl. 5 cm q-c-v at 113.2. - 0.5-1% diss'd po (py) as 0.1-2 mm grains.	65 TCT, and 8 mm <sup>th</sup> q-c-v 113.3-113.5 25 TCT	Magn Susec 0.17 0.21 0.08 Hyp 175 due to po Mag. Susec 0.05 .08
		Q:F-Por (vfg)	532251, 113.6-119.7, d,th above (to 98.0) Trace diss'd vfg oxide, po, py (lipas cubes) color white/clean (dry wet).	Minor, kaolinite vein, 30% 30 TCT at 2-10 cm interv. 5 mm q-v, 15° TCT, 14 septa	0.04 .1 .07
		Q:F-Por (vfg)	Qtz grains up to 1.5 mm in size. Trace sphene <sup>qv</sup>	115.5-116.3'	Magn Susec.
		Q:F-Por (vfg)	532252, 119.7-122.4, d,th above, contains a 0.4 ft inclusion of medium-grained granodiorite (Q-F-por?)		Magn Susec 0.12 .14 .13 .23
			120.8-121.2. Moderate veining: q-chl-v, 10 cm, chl-c-v and c-v, locally at ~ 1 cm intervals.	→ 10° TCT, → 20-50 TCT.	(color/wat) hyp with unco-gy 'solution' due to diss' oxid. int?
			Scald <sup>1 mm</sup> patches. Sulphur mostly assoc'd with a) chl-c-v, and b) chl patches c) associated with py, trace sphalerite		

Mag Suse at 1' intervals

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532252 cont'd trace po, trace MoS <sub>2</sub> : One 10 mm patch of m. dy. dolomite at 121.6'; trace cpy. Some lmm composite grains py-sphal-cpy. Trace diss'd oxide.		Large Moly - patch, Sphal > trace cpy.
		Qi-F-Par (vfg)	532253, 122.4 - 125.0, ditto above. Trace diss'd oxide, po, py; also in rare hairline veins. Sulph assoc'd with small ( <sup>≤ 1mm</sup> ) patches of chlo, calc	rare hairline veinlets Low contact sharp, 30 TCA	Mag. Suse 0.20 .16 .09 
		F+Q-Par (cg)	532254, 125.0 - 127.2. Fsp-(Q)-porphyry, medium-coarse grained. 0.5% diss'd po, tr. py, cpy.	Minor hairline c-chl-v 45-65 TCA Low contact sharp, 40 TCA	Mag. Suse 0.19 .14 .15
		Qi-F-Par (vfg)	532255, 127.2 - 129.0, ditto above (to 122.4). Trace diss'd oxide, trace po, py in rare 0.1-1mm grains Minor hairline, crossing veins of chl-v, seric-v, at 1cm to 5cm spacing.	Low contact sharp, 65 TCA	" " 0.11 .12 .08
		Mixed: Qi-F-P (vfg) and F-Par (cg)	532256, 129.0 - 134.0. Mixed assemblage: a) cm to 20cm portions of vfg clarity Qi-F-Par (~30%) including coarse Fsp-porphyry. Trace to 0.5% diss'd po, trace py, cpy, in both a) and b), and c) in xl-q-c-chl veins, but preferentially in b) cg F-Par.	Contacts between a) and b) sharp, and interfingering Angles - 20-50 TCA. Coarse F-Par as 'free-floating' fragments in vfg Qi-F-P.	Clear evidence of distention, intrusive force of Qi(F)-Par. Mag Suse: 0.16 .38 .16 .14 .17
		Qi(F)-Par (vfg)	532257, 134.0 - 139.0, ditto above. Enclosing minor (2-5) cm-size F-Par inclusions, minor hairline veining (c-chl-v, seric-v). Trace diss'd oxide, po, py, as 0.1-1mm grains.	Possible weak flow fabric 40 TCA, at 136-136.4 Sharp low contact, 60 TCA	Mag Suse. 0.1 .05 .05 .1 .1 .08 .1

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F-Por, partly propylized	532259, 139.0 - 141.2. Fsp-porphyr, with lsia > 1/2 propylitized, ~30% angles, cm-size relict fragments of unaltd F-Por enclosed in progressively chloritized/propyltd matrix. 139-140.5 less propyltd. Trace diss'd py	Bx1a texture.	Magn Susc. at 1 ft intervals Propylitization appears to proceed along a closely spaced fracture network. <del>See:</del> Apparently 2 stages: 1) Weak, chlorite, with first F-Por clasts/relicts. 2) Complete propylt., but often, no fresh relicts of F-Por, only 'ghost-clasts'.
		Mafic Rock (propylized)	532259, 141.2 - 145.0, Propylitized F-Por? Mafic - with amphibole relict - incl. w. f. - e.g., massive, 1-3% oxide grains. Trace - 0.5% py or rare large clusters, rare by epoxs. Trace opy in veins.	Minor veins: c-dtd (q) ± py, 30° - 65-75 TCA.	Magn Susc: 0.40 .43 .36 .42 0.45
		Mafic Rock (propylized)	532260, 145.0 - 149.3, ditto above / to 145.0 / 147 - 149.3 increase in fsp, decrease in amphib. chlor. Trace - 0.5% py as rare 1-25 mm grains	Lower contact: sharp gradation over 1 cm, grains 60 TCA	0.42 .46 .43
		F-Por	532261, 149.3 - 150.0. Fsp-porphyr, w. e.g. Fsp zoned. Minor (1%) qtz - eyes. Trace diss'd py. Minor q-c-dtd-veins, 10-30 TCA.		0.11 0.08
		F-(Q)-Por	532262, 150.0 - 153.0, ditto above / to 150.0, with 3 q-v, 1 to 8 cm wide: 150.0 - 150.4, q-epid, 30 TCA; 151.3 - 152, 6-8 cm qv, 65 TCA; 157.8, 1 cm q-v 60 TCA. Trace py assoc'd with q-v	Minor network of cl-2 mm q-v, q-c-dtd-v, 20-60 TCA. Sharp gradational inop. Lower contact, 20-30 TCA	0.08 .15 .11
		F-Por (partly propylized)	532263, 153.0 - 157.2, similar to 145.0: partly propyltd Fsp porphyry. ~25% of liat, minor emerald-green chlor, interstitial to emboidal fsp. 1% oxide grains, accessories sphene. Locally minor 'GG' - 1: py as rare.		0.27 .26 .14 0.27
					minor 'GG' - graphic fsp-qtz

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532263 cont'd Large 'sievy' patches (3-4 cm size at 157.5) Rare kaolinite c-q-v, chl-veins.		
		F-Por (partly propyl'd)	532264 157.2-158.9, ditto above (to 157.2) with ~1% chl as and biotite in matrix, with two 2 and 4 cm q(c)-veins →	20° and 30° TCA.	Mag. Susc: 0.22 .26 0.29 more chlor than above
		F-Por (partly propyl'd)	532265 158.9-162.1, ditto above (to 157.2) with fresh, non-propyl'd fsp-porphyr 160-160.7' (cut as 'cracks (vein)'). Matrix mainly biotite accessory chlor. Trace to 0.5 py as large cubes Trace MoS <sub>2</sub> in ~2m qv in fresh F-Por at 160.4 1% ox as large 'sievy' ox-c-patches. Common 1-2 mm c-biot veins, at low intervals (not well)	Minor 1-2 mm cv → CV 10 - 30 TCA. Cracks (vein) F-Por 160-160.7 closing 1m q-chl/c-v. Sharp lower contact 30 TCA	Mag. Susc. 0.14 <sup>not propyl'd</sup> 0.01 0.20 0.24 Ex + carb patches cutting F-Por.
		F-Por ('Cracks Bx')	532266 162.1-163.5, fsp-porphyr (not propyl'd) as 'Crack' Bx. 1-2 mm py (base?) ~10% lt green chlor veins + patches, at ~1cm spacing. 2% py as large (1-4 mm) cubes in chlor matrix 163.2-163.5 Trace opy in q-c-chl v, trace po	XL q-c-veins, low discont. 30° TCA	Mag. Susc 0.17 .12 .16
		Q(F)-Por (or Grano-Dia?)	532267 163.5-165.9 Qtz (fsp)-porphyry. fg-ing. Predom. vif fsp (biot-chlor) matrix. hosting few fsp phxts and ~20% using sharp 'qtz-eyes' ??; Embayed, sandy ground, ragged qtz. ~5% each sil/vug chlor and light brown biotite in matrix. Accessory ± plumb, diss; py in chl-vein	2 cm q-v, 20° TCA. low spaced kaolinite chlor-c-v 10-20 TCA +10° TCA.	" 0.07 0.01 0.04 Shape of qtz grains generally not 'eyes' but ragged - some large

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q-(F)-Par	532268, 165.9-167.1 ditto above (to 165.9), cut by 3-4cm wide vein: q-c- <del>chl</del> -biot-py. → 10° TCA. 3-5% coarse (0.5-4mm) py as potatoes/stingers in chlor-biot patches/zone of vein, and within q-c. Hairline chl-c-v, 1cm spacing → 10-30° TCA and 70-80° TCA		Magn. Sinc. 0.19 0.09
		Q-F-Par S-r	532269, 167.1-169.8, similar to above (to 165.9). fg-mgg fsp-phx and minor blue qtz eyes in fg, brownish (biot.) fspic matrix. Strong 1cm hairline chl-biot-(c)-veining, sub-parallel → 20° TCA and minor crossing (not cracks). 0.5% py as rare, large cubes in chlor-c-vein patches. Trace = piece dissd. 2cm UM biot-chlor 'vein' 60° TCA, + large py cubes. 168.8	1cm-size chl-c-patches near lower contact, ~60° TCA.	
		Amphib.-chlor vein.	532270, 169.8-174.0. Propylitized F-Par? Mafic-UM chlor-amph (biot fsp) vein, massive, medium grained. ~5% relict fsp, 0.5-1mm grain size. Trace dissd = plene. In places large (1-2cm) amphib xts		No py traces! Magn. Sinc 0.55 .52 .51 .56
		Amph-chlor vein	532271, 174.0-177.8, ditto above (to 174.0) Rare 5mm chl-v, chl-v. 60-65° TCA.	Sharp, slickensided lower contact at 70° TCA.	" " 0.49 .5 .49 .50
		F-(Q)-Par	532272, 177.8-183.0 fine-medium grained. Well developed F-par texture: Dxy fsp phx, few blue qtz eyes, in clear qtz matrix. Little chlos. in matrix Veining: Biot-chlor-v: Variable, from 10cm spacing to <1cm spacing, strong clustering, triangular potatoes suggesting distension. Q-v: Rare, 1-10mm, → <del>1/2</del>	biot-chlor-v 60-80° TCA	M.S. " 0.07 .1 .09 .23 Color: light gy - whitish

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			10 cm q-biot vein at 179.5'		
			Py: c5-1 <sup>2</sup> , concentrated 182-183' as clusters of 1-5 mm cubes and anhedral <sup>cm</sup> biot-chlor patches		
		F-(Q) Por	532273, 183.0 - 187.5, ditto above (183.0), with less biot-chlor and larger patches.		Major Susec 0.12, 0.13 .11 .11 .09
			Feph-phcto bi-modal. 5-10% fgdiss'd chlor-biot, with uneven, patchy distribution. Minor 2-2 mm veins: q-v, chl-biot-v, q-seric-v. Trace po, epy in a 2mm qv at 184.0, 25 TCA, trace diss'd po.		Bimodal fep
			Two 5mm q-epidote(?) veins 187.2-187.5, 20 TCA		
		F-(Q)-Por	532274, 187.5-190.4, ditto above, less interstitial chlor-biot, very rare hairline q-v, biot-veining, Rare specks of py		Major Susec 0.12 .14 .11 .1
		F-(Q)-Por	532275, 190.4-194.5, ditto above		v v 0.1 .11 .1 .13
			2-4 cm spaced ± 1mm q-biot-chl veins + minor po (0.5% overall), 191-192.5. Trace diss'd po with biot clots. At 194.0 1cm q-chl.	(? Crackle Dx?)	
			po-epidote-vein. Trace epy	20 TCA	Fep bimodal
		F-(Q) Por, +veining	532276, 194.5-195.5, ditto above, with ~10% cm-veining, 10-45 TCA: ① epid-q-v, chl-c-epid-v, cut by ② ② q-v, 10 TCA		
			195.2-195.5 1cm spaced, crossing ± 1mm biot-chl-v, at contact to following,	Lower contact sharp trans-ition of 70 TCA	
		Amph-chlor rock	532277, 195.5-198.6, Propylized F-Por(?) to 197.5: eg UM amph-chlor-biot rock,		Major Susec 0.54 0.46 0.29 0.13 UM *

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532277 <del>cont'd</del> Partly propyl'ed F-Par 197.5-198.6. In a patchy, 3-10cm pattern (Bxix'). Trace disse' py in LH portion.	Bxix texture 198.0-198.6 cm-size angular + rounded F-Par solites in biot-chlor matrix.	
		F-(Q)-Par (+veining)	532278, 198.6 - 201.8, ditto above (to 195.5) cut by veining: a) q-v: 5cm q(chl-py) vein at 200.0-200.3; 4cm q-chl-v (trace py, po) at at 201.6-201.8. Large po (cpy) patch (3x0.5cm) in q-v at 200.0, b) Diffuse 'circle bx' chl-biot-veining, low spreading, to 201.4, with apparent permeation of F-Par by poorly defined, anastomizing chlor-biot-gte vein patches. Trace disse' po. Trace cpy with po in q-v.	20 TCT. Very irreg. contacts approx 30 TCT Sharp, irregular low contact 35-40 TCT	Major Susc 0.11 .11 0.1
		Propyl'ed F-Par	532279, 201.8-204.3. Relict texture and some mineralogy of F-Par preserved. Predominant ... chlor, minor carb. Accessory equant and sieve ox, pink sphene? disse py. Minor c-chl veining with py.	Lower contact sharp, serrated, 20-60 TCT	Trace Susc 0.45 .02 0.35
		F-(Q)-Par	532280, 204.3 - 208.0, ditto above (to 195.5) Fresh, colour lt gy. Rare gte eyes, chlor (5% in matrix lt-green to emerald green. Cut by 5-10% mm to 5cm q-v: Distentional, irreg, triangular, wedge shaped q-v. 15cm q-v + 1cm patch of po, py, 206.0-206.5, 45 TCT. 4cm q-v at 207.3	Q-V 45 TCT	



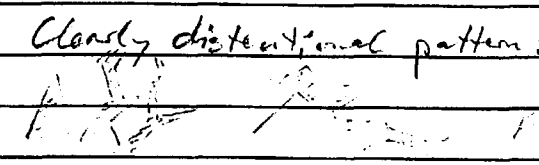
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532280 cont'd Minor num q-c-v, hairline chl-c-v. Rare traces of diss'd py		
		F(Q)-Por	532281, 208.0-211.0 ditto above. ~1/2 of interval permeated by 'crackle-bria', mm-cm spaced thin chl-q-c veins, locally with trace po. Two low q/c-py veins 30 TCA. Rare 1-10 mm po grains in q-c-v, trace po-cpy in q-c-v at 209.5	Some q-c-v directional at 209-210'	Magn Susc 0.14 .17 .10
		F(Q)-Por, partly propyl'd	Trace MoS <sub>2</sub> in qv at 209.8. 532282, 211.0-215.0 ditto above. Light-gray, 'crackle bria'-veined F(Q)-Por a chert. (10-20cm) with dark, <sup>ch-bria</sup> micropyl. F-Por. Margins commonly replacement - bria. Veining <sup>in F-Por</sup> common, 1-10mm chl-v, chl-bria, q-c-c, at 1cm spacing. 0.5-1% py, low 0.5% ex mainly in propyl'd portions.		Magn Susc. 0.21 .07 .14
		F(Q)-Por partly propyl'd (Mixed Zone)	532283, 215.0-219.6, ditto above less propyl'd 10cm portions, ~10-20% and less 'crackle' veining. Thin q-chl-c veins at 5-10 cm spacing, 45-30 TCA. Cut by trace 5cm portions of fg Q-F-Por, centered around thin chl-q-v (t large py). Trace - 0.5% diss'd py, mainly in propyl'd areas. At 217.5' 3x5cm patch of diss'd py, py and large (1-3mm) sphene + ex grains, assoc'd with chl-bria patch.	Sharp lower boundary @ 65 TCA	
		Q-F-Por (Mixed Zone C)	532284, 219.6-220.5 Fine grained, white Qtz eye-porphyr. Small qtz eyes (1-2mm) Matrix of fsp (qtz). Trace of spec. chl-bria, rare bria patches. 4 ex.		Magn Susc 0.16

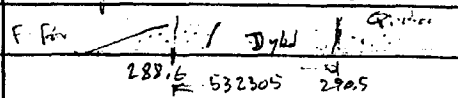
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532284 cont'd. Veining: Hairline chl-v, muscov-v, biot-v, g-v, at 1-2 cm spacing, 50-80 TCA. Trace py in chl-v	Sharp lower contact 65 TCA	
		Propyl <sup>1/2</sup> F-Par?	532285, 220.5-226.3, Propyl <sup>1/2</sup> F-Par, ditto above (to 204.3'). Matrix mus. chl-biot-fsp rock. Trace disse <sup>d</sup> py, <sup>po, ep, at lower contact</sup> 1/2 ex. Minor limon c-v	Sharp lower contact 50 TCA, + lim sulph patch po-py-ep.	Magn Susc. 0.41 .42 .27 .36 .35 .42
		F(G)-Par	532286, 226.3-228.4, ditto above (to 208.0) Rare ≤ 1mm chl-c-g-v, 40-70 TCA. Rare = pecks py. 1/2 py, po, trace ep within 1cm of upper contact.	Sharp lower contact 70 TCA	" " 0.13 .13 0.11
		Propyl <sup>1/2</sup> F-Par?	532287, 228.4-232.0 ditto above (to 226.3). with 0.5 ft unact'd, light gray F-Par 230.0 - 230.5'. Minor F-Par-relict texture. 1% disse <sup>d</sup> ex, trace py		" " 0.40 .43 .36 .38
		Propyl <sup>1/2</sup> F-Par? (G-Dia?)	532288, 232.0-233.3. Similar above (to 226.3'). texture mostly sub-plitic. Cut by several cm- size f-g F-Par dykes + discontin. pockets. :- 150-200 μm - 1mm sulph patches; 1% each of: py, ep, po. Trace MoS <sub>2</sub> in F-Par.	5mm carb - biot vein 20 TCA	Magn Susc. 0.33 0.28 large Text 0.06 undisturbed fg F-Par stems to include between 'old' large Fe-bearing patches
		Propyl <sup>1/2</sup> F-Par? (G-Dia?)	532289, 233.3-236.7 ditto above (to 226.3') Rare thin c-chl-biot-veins. Trace disse <sup>d</sup> vtg ep, ~ 1% disse <sup>d</sup> ex.		Magn Susc 0.34 .35 .25 .28
		Propyl <sup>1/2</sup> F-Par? (G-Dia?)	532290, 236.7-240.3 ditto above (to 226.3'). Sharp sub-plitic 'dianite' texture, almost no biot.		" " 0.32 .31 .35 .35

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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532290 cont'd Fenug. chlor + amph. Trace qtz. Trace chert cpy ~ 1% or diss'd.		
		Propyl <sup>1</sup> F-Pai (Q-Dior?)	532291, 240.3 - 241.8 ditto above, sharp Subophitic texture. Cut by bounded 0.5-2cm g-c <sup>-sulf</sup> biot-vein 20° TCA. Biot as discrete, 1-10mm stringers of 'biotite'. Several parallel g-c-biot-vein veins, at 1-3cm spacing. 1% diss'd ox. 0.1-0.5% diss'd cpy, trace py.	~ 20 TCA	Magn Susc 0.33 .37
		Propyl <sup>2</sup> F-Pai (Q-Dior?)	532292, 241.8 - 245.0 ditto above / to 241.8 sharp Subophitic texture, increasing downward examination by 30° <sup>carb-</sup> biot-vein Patches, 1-5mm c-biot-vein at 3-5cm spacing Trace diss'd ore in 1% ox, diss'd.	→ 45 to 70° TCA Sharp lower contact 65 TCA	cpy > py Magn Susc 0.42 .37 .35 or .34
		F-(Q)-Pai	532293, 245.0 - 250.6 Fresh, colored & greenish Fsp-phate bimodal, few qtz-eyes. Weak 'Cradle-Box' to 247.5: <sup>Thin</sup> g-biot-vein at 1cm spacing. 245.0 - 245.5 ~ 1% sulph (py, py) in veins. 4cm g-v at 247.5 65 TCA, 1cm xl-g- c-biot-vein at 249.5. Overall trace diss'd py, po. Near lower contact: 10cm dark, zone: chlor-biot-vein, vfg, propyl <sup>2</sup> fsp @ i-Pai? + trace ps, py.	→ 30 TCA Sharp lower contact	Magn Susc 0.09 .07 .08 .08 .1 .11
		Qi-Pai (f <sub>1</sub> )	532294, 250.6 - 253.3 Fine grained Qtz-eye Porph, cherty. Cf quartz. Few 0.5mm qtz eyes in vfg matrix of qtz (fsp) + 3-5% <sup>30°</sup> biot-vein grains. 251.9 - 252.6 chlor-vein propyl <sup>2</sup> Qi-pai, + trace diss'd py, cpy. 252.6 - 253.3 5-10% oriented	~ schistosity 50° TCA	" " 0.04 .06

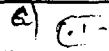
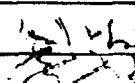
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532294 cont'd chlo-c-vegetals, mm-1cm spacing, Trace epherc.	45-65° TCA	i.e. weak schistosity?
		Propyl'd Qi- Por?	532295, 253.3-254.0, Schistose, matrix, chlo-carb rock, little Qi-Por solid texture Accessory dissd epherc, Trace py.	Schistosity 60° TCA lower contact not preserved.	Major Suse. 0.58 .48
		f.g. Qi-Por (Mixed Zone C')	532296, 254.0-256.3 ditto above (to 253.?) with more qtz eyes (~30%), Matrix q-fep (bio- chlo) no seric. Abundant (~1cm spacing) 1-5mm c-chl-v, oriented //s. Trace dissd epherc. at margins of 1cm c-chl-v, 255.2	strong schistosity 65° TCA 2cm c-q-chl (po)-vein 45° TCA at 256.1 Sharp lower contact. 60-70° TCA.	" " v.10 .19 .24 have cpy > py. Trace
		Propyl'd Rock (F-Por?) (+Qi-por)	532297, 256.3-259.5 Schistose matrix, mg chlo-biot. <sup>carb</sup> <sub>(F-Por?)</sub> rock, with oil significant solid texture. Accessory ep epherc. ~10% mm-carb stringers. 259-259.2 several cm patches of vfg. cherty Qi-por. Trace dissd py cpy near lower contact.	Schistosity 45-55° TCA	Major Suse 0.26 .24 .38 .2
		F-Por	532298, 259.5-265.0, ditto above (to 256.6). 260-261.5 interbedded by ~30% cm-patches of vfg cherty Qi-Por (Fitter Pressed Liquid?) Trace po, py, dissd and in hairline veins	Minor chl-v, chl-c-v, 1-3mm, 50-80° TCA, 3-10cm spacing.	" " v.17 .21 .25 .11 .12
		F-Por +qv	532299, 265.0-266.0, ditto above, with 1-2% each po, py, assoc with 1cm chlo patches in poorly defined q-v?		q-v or Qi-Por, f.g.? No clear contacts veinlets Major Suse 0.11 .10
		F-Por (+vfg Qi-por)	532300, 266-270.5, ditto above (to 265.0), 268-270.5 interbedded by ~20% cm-patches of cherty, vfg Qi-por (Fitter PR, LQD)		Major Suse .13 .13 .08 .15 .13

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532300 cont'd sh. p. showing flow fabric. Clear distentional Qz-Por: Mod-gran-cy, few Q-eyes, oriented F-rich crystallites, 'stoped-off' small clasts of F-Por. Cherty, q-fsp (biot) groundmass Rare specks of po, oliv		Cloudy distentional pattern: 
		F-Por (+vtg Qz-Por)	532301, 270.5 - 275.0, ditto above (to 270.5), F-Por introduced by 10-20% 21 to 5 cm 'fingers' of vfg cherty Qz-Por (FLTRPKLQD?), locally with good flow lines. Minor hair line ch-cydior-v	> 50 - 75 TC	Major Suse 0.09 .13 .1 .04 .12
		F-Por	532302, 275.0 - 280.0 ditto above (to 270.5), only <5% cm-cherty Qz-Por, 271.0 - 276.3 f. diab dyke cutting Qz-Por (FLTRPKLQD?). Minor hair veins q-dol, q-biot, trace po, py. One 3 mm q-epid-vein. At 275.2 a 2 mm q-po-epid- vein, within a loc. cherty Qz-Por (FLTRPKLQD?) dykelet.	60-80 TC	0.17 .10 .12 .14 .11 .11
		F-Por (+vtg Qz-Por)	532303, 280.0 - 285.0, ditto above (to 270.5) introduced by ~20% cm-dm, 'ragged' distentional 'fingers' of vfg Qz-Por (F-rich to ligus?). Rare small qtz eyes, and elliptical large fsp phots / stoped off F-Por? Rare hair. q-dol-v, biot-c-veinlets. Trace po, py oliv in hair veins.		Major Suse 0.15 .15 .15 .14 .13
		F-Por (+vtg Qz-Por)	532304, 285.0 - 288.6 ditto above (to 270.5) ~20% cm-dm vfg Qz-Por portions. @ 2 ft diab dyke at 286.6 - 286.8, introducing F-Por and Qz-Por	Qz-Por F-Por Diab	Major Suse 0.15 .1 .12 .12

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532304 cont'd, as a 'dead-end' dyke. Minor vln. in g-ch		
			-biot. Trace po, cpy mainly in vln.lets: At 287.0, 5mm biot-chl-c-g-(po-epy) vln.	25 TCA, Sharp lower contact 20 TCA to Qi-Por.	
		Dyke, cutting v. Qi-Por	532305, 288.6-290.5 Very fine, aphanitic chilled intermediate dyke, cutting v. Qi-Por. Dyke has common ~1mm c-vln.lets, and ~0.5-1% diss'd py, diss'd and assoc'd with c-v.	Sharp lower contact 45 TCA	Major Suse 0.55 F.P.  288.6 532305 290.5
		Qi-Por (h)	532306, 290.5-295.0 ditto above to 293.7. Few 0.5-1mm gtz eyes, rare fop pluck in v. 'fish-egg'-textured g-fop matrix. Trace chl Rare hairline veins (chl-v, seric-v, c-v) - Trace py assoc'd with hair veins.	1cm wide, dark, intermed dyke, 30 TCA, at 292.6-293.0 - 45-75 TCA.	Major Suse 0.10 .09 .09 .08
		Qi-Por (h)	532307, 295.0-300.0, ditto above. Trace v. g po, py, cpy, mostly in and near hairline c-chl-g-vlns; minor diss'd		Major Suse 0.11 .09 .07 .11
		Qi-Por (h)	532308, 300.0-305.3, ditto above (to 295.0). Trace po, py, rare trace cpy, in hairline c-chl-v, minor diss'd.	Weak fabric, 60 TCA Sharp lower contact 50 TCA	Major Suse 0.06 .09 .03 .09
		Propylite F-Por?	532309, 305.3-310.6, ditto above (to mg-cg, mafic chls-amph-biot-fop-rock, of variable relict texture and metamorphic texture, ~10-20% mm to 1cm carb stringers - -patches. Accessory 1-2% emb. ox, and pink sphene!		Major Suse : 0.36 .38 .15 .51 .37

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532309 cont'd. 309-309.4 f <sub>1</sub> Qi-Por + calc veins, 1-2% diss'd		Consider 1-26 c/m.
			subpl 305.7-308.0) as dissemin and large	310-310.6 Replacement	305.5-3
			'silty' patches: po, py (cpy). Trace sulph	breccia. Flattened F-Por	
			308-310.6. Replacement breccia 310-310.6:	fragments	
			cm size relict clasts of F-Por in chloite matrix.	Sharp lower Contact 40 TC	
		F-Por	532310, 310.6-311.8, ditto above (to 270.5),		Magn 2.1
			with 10 cm portion of f <sub>1</sub> Qi-Por, 310.6-310.9.		
			F-Porphy: Acumony diss'd ex. cut by		
			hairl. chl-c-v at 1-2 cm spacing ('Crackle Pix')		
			Trace po, py, cpy in chl-c-v.		
		F-Por	532311, 311.8-312.7, ditto above (to 270.5), contain-		" 0.14
		(+propyl)	ing two 8-10 cm propyl'ed portions. Trace	cu. facts irregular, 45-65	
			diss'd py in propyl'ed parts, mainly in massive	TC	
			2cm 'biotite'-chlorite' bands. F-Por		
			punctated by diffuse chl-c-v patches.		
		F-Por	532312, 312.7-313.8, ditto above, minor	Minimal 1-3mm chl-c-v	" 0.10
			veining. Trace diss'd py, cpy	veins	
		F-Por	532313, 313.8-314.8, ditto above (to 312.7)	Replacement breccia	" 0.20 0.20
		(+propyl)	F-Por with 70% 10-20cm propyl'ed portions.		
			F-Por as relicts in replacement breccia, and		
			punctated by chl-biot-c-v network. Trace 0.5%		
			po, py trace cpy. in chl-biot patches.		
		F-Por	532314, 314.8-316.1 ditto above (to 270.5)		" "
			Weak 'Crackle breccia', thin chl-c-v veins + patches,		
			at 1cm spacing. Trace (po/cpy) euhedral with		
			chlo.		

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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	FEB 19 2003 COMMENTS
		Propyl'ed F-Por (+ F-Por)	532315, 316.1 - 318.2 ditto above (to 310.6). - 80% propyl'ed F-Por; ~20% fresh F-Por, either a) around, cm-relicts, or as b) weak clotted tx. (317.6 - 318.2). Propyl. strongly variable texture and mineralogy (in part with blue opalescent qtz. Trace diss'd py, epy, in propyl.	a)  b) 	Mag. Susc. 0.15 .28 .13 .09 GEOSCIENCE ASSESSMENT OFFICE
		Propyl'ed F-Por?	532316, 318.2 - 319.7, ditto above, 10-15% F-Por relicts. Trace diss'd py, po (epy)	Minor c-oid relicts.	Mag. Susc. 0.44 .64
		F-Por	532317, 319.7 - 321.0, ditto above (to 270.5) punctated by 10-20% mm-cm chaotic patches + veins, assoc'd with ~0.5% diss'd sulph: po, (py, epy). Sulph. in med. assoc'd with epid and carb. (+ pink silty sphene?). At 321: a 1 x 3 cm 'finger' of cherty Qi-Por along lower contact	lower contact to TCA	0.22 0.13 0.10
		Propyl'ed F-Por?	532318, 321.0 - 322.6, ditto above (to 310.6) mg biot-ortho-oid rock. 1.4% relict texture. 321.5 - 322, 10% 5-10mm carb-oid-v, network. Aren. ox, sphene. Trace diss'd po, py.	Lower contact slightly schistose, 75 TCA	0.41 .38
		F-Por	532319, 322.6 - 325.0, ditto above (to 270.5) Rare hairline chl-c-v, q-v. 2cm sl. darker zone with increased chlas and diss'd sphene. Trace po, py diss'd and in hair-veins.	Sharp lower contact 65 TCA	0.11 .14 .11 0.13 Fresh, light gray, unusually low in veining and propyl.
		Propyl'ed F-Por (?)	532320, 325.0 - 329.2, ditto above (to 310.6) 325.0 - 325.4 massive, fg. UH biot. rock 325.4 - 328.5 of chl-biot-fop propylite		Mag. Susc. 0.50 .35 .31 .34

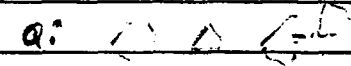


FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532320 cont'd 328.5 - 329.2 F-Par. F-Par relief + 5 mm q-v		
			329.7 - 326. Rare <sup>thin</sup> veins. Trace <sup>CPY</sup> py, <sup>disseid.</sup>		Trace CPY grains at lower contact, 329.2
		Propyl'ed F-Par?	532321, 329.2 - 332.0 ditto above (to 310.6) Coarse, mafic - near UM amphib - <sup>chlor-biot</sup> minor fsp rock Accessory sph-lanoxene, rare py = picks.	Sharp lower contact 80° TCA	Major Suse 0.52 0.44 0.45
		F-Par	532322, 332.0 - 333.5, ditto above (to 270.5) 10% mm-cm chlor-biot-nik patches veins with 6" of upper + lower contacts. Trace - 0.5% <sup>suph</sup>	Sharp, irregular lower contact 40 TCA	all .07 .14 Crackle tx?
		Propyl'ed F-Par?	532323, 333.5 - 334.4 ditto above (to 310.6) Some F-Par relief texture + cm 'clasts' 0.5% po, py (epyl) as a) <sup>thin</sup> 1 cm. large, eby, patch b) fine dissem.	13 mm qv 10 TCA. Lower contact sharp. irregular, ~40 TCA	Major Suse 0.28 0.36
		F-Par	532324, 334.4 - 336.3, ditto above (to 270.5) Cut by 5-8 cm <sup>ob</sup> K1-C-g-v at 334.8 - 335.0 Minor 1-2 mm chl-e-v, q-v, crossing, at 2-4 cm spacing. Trace po, (epyl) disseid, l.v. veins	60 TCA Sharp lower contact 60 TCA	
		Propyl'ed F-Par	532325, 336.3 - 336.7, ditto above (to 310.6) ig, mafic - UM amphib - chl-biot rock Trace py	Sharp lower contact 45 TCA	" " 0.54
		F-Par	532326, 336.7 - 339.4 ditto above (to 270.5) Near upper <sup>and lower</sup> contact (~4") mm-cm propylitic veins. Rare hairline q-v, chl-e-v, 20-40 TCA. Trace po, py, <sup>vt</sup> disseid and in hairl. veins.		" " 0.17 .11 0.13

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Diabase Dyke	532327, 339.4 - 345.0 fine grained, porphy, mafic composition. Matrix v.f. sharp, lathy plagioclase - fsp groundmass. Scattered 0.5 - 3 mm fsp phxts, scattered mafic 'clots' (biot). Trace sphene, py.	Upper contact sharp, irreg, 20-30 TCT, from 339.4-340' Lower contact sharp, 30 TCT	Magma Suss. 0.20 .26 .26 .28 -.31
		Propyl'd F-Por	532328, 345.0 - 350.0 ditto above (to 310.6) Common cm - relicts of F-Por. Several 1/2 - 1' breccia portions ('replacement breccia'). Matrix mg, mafic, sharp-text'd plagioclase - biot - chlor. 1% ox. Rare 1-2 mm q-v, c-q-v Trace apy. pr. on fracture surface, 350'. Several large (5-10 mm), sieve po-py patches in chloritic patches. Trace - 0.5% dissolved po.	Replacement breccia	0.24 .23 .29 .45 .22 .12
		F-Por (+Qi-P, vfg)	532329, 350 - 352.6 similar to above. F-Por with a) ~ 5% cm size propylitic replacement patches, b) with 10-20% cm - size <sup>dyke-</sup> network of vfg cherty Qi-Por? / Filter pressed liquid + ~ 1% dissolved po		" " 0.14 .10 0.11 po mainly with younger Qi-Por? dykelets
			MISSING CORE 352.6 - 354.7 (Sampled by FPP?)		
		F-Por	532330, 354.7 - 357.0, ditto above (to 270.5). Rare 1x2 cm patches of 'cherty Qi-P'		Magma Suss. 0.12 .10 .13

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532330 cont'd Minor = 1mm veins: chl, c-v, biot-v, q-v. 2-10 cm spacing, 20-70 TCA. Trace po, py, diss'd and in v.lets.		
		F-Par + qv	532331, 357-358.6, ditto above (to 270.5) with 5 cm q-v 357.4 - 357.8, Esum of parallel 1-2 mm c-v, chl-c-v, <sup>c-biot-v</sup> seric-biot-v in part with trace po.	q-v 25' TCA - 20-30 and 70 TCA	minor = seric + biot veins.
		F-Q-Par	532332, 358.6-362.0 ditto above. F-Par sharply grading to F-Q-Par at 360? Minor kaifine c-chl, q-c-v, seric-veinlets. Htr 0.5% diss'd vfr epy, 0.5% vfr po diss'd and in hard-veinlets.	70 to 80 TCA, 1-3 cm spacing, crossing.	Magn Suse 0.14 .11 .17 .08 .12 .12 Colors mid-gray
		F-Par (+ muscov. joints zone 'D')	532333, 362.0-365.0, ditto above. F-Q-Par to 362.4, F-Par → 365', cut by anastomizing muscovite joints at 3-10 cm spacing. Trace to 0.5% po, trace epy, with muscovite joints. 1mm epy-po-musc. vein at 464.0'	60-80° TCA.	Magn Suse. 0.08 .13 .12 .11 .11
		F-Par (+ musc. jts, 'D')	532334, 365.0-370.3, ditto above (to 365') Permeated by q-seric-(c) <sup>chl</sup> and q-epid veins seric-joints in places 1 cm seric-rich halo. Trace to 0.5% po, trace epy, py, assoc'd with seric-joints, minor diss'd. Trace MoS <sub>2</sub> in q-seric-c-chl vein at 368.9.	30-50° TCA, 3-20 cm spacing. 2 qv, 5-10 mm, 70-80 TCA, 365.2 - 368.5	" " 0.11 .14 .14 .14 .17 .12
		F-Par	532335, 370.3-372.5, ditto above. 0.5' propylite portion 370.6-371.0. Two 2-3 cm dykes of fg. chert. Qi-Par at 370.5 and 371.2.		Magn Suse, 0.21 .25 .23 .21

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532335 cont'd Overall sulph. est. ind: po 26, py 12, cpy trace. Within <sup>0.5'</sup> propyl'd portion ~ 5% po, 36 py. vfg. diss'd po, trace cpy, in F-Por. 5mm po patch at 371.3, assoc'd with biot-carb-vein.		
		F-Por	532336, 372.5-377.0 ditto above. Widespread hairline chl-g-v <sup>(po)</sup> and biot-c-po veins. Denser vein spacing and higher abundance of diss'd sulph in a darker F-Por region 374.8-375.4: ~ 0.5-16 po (cpy) assoc'd with mm - biot-c stringers; also at 376-376.5	~ <sup>vein</sup> spacing generally 10-20cm 30-70 TCA	Major Suse. 0.15 .12 .24 .17 .20 .16
		F-Por	532337, 377.0-382.0 ditto above, hairline g-chl-v, biot-c-po veinlets. Overall sulph- abundance <sup>trace</sup> 0.5% po, trace cpy. 381.5-382.0 vague intrusive bx: A darker, more qtz-rich O-Por with more diss'd po as matrix between white, barren F-Por.	50-70 TCA Intrus: bx 381.5-382.	Major Suse 0.18 .17 .20 .23 .20
		F-Por	532338, 382.0-386.3 ditto above. Rare hairl. chl-c-v, c-g-v. Trace diss'd vfg po, py. Vague intrusive bx 385.4-386.0: Slightly darker F-Por matrix with <sup>trace</sup> diss'd po hosting white F-Por clasts.	Bx + <sup>trace</sup> sulph	Major Suse 0.15 .12 0.13 .14 .09
		fg F-Por	532339, 386.3-387.3 fg F-Por with bx margin, Matrix F-Por (not Q: no qtz cpy) is fine grained, has less chl, biot. Qtz is interstitial to f.p. Vague outlines of coarse F-Por clasts. Trace po, hairl. g-v at 1-2cm	Bx	Major Suse 0.06 .08

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532339 cont'd spacing. Trace molybdenite in q-v		
		F-Por	532340, 387.3 - 392.8 ditto above Rare hairline chl-c-q-v. Rare trace disse' d po, py		Mega Suse. 0.11 .02 .06 .16 .16 .13
		F-Por (+ F-Qi-Por)	532341, 392.8 - 395.0 ditto above, with 1/2 ft portion (393.7 - 394.4) of vaguely outlined intrusive (axis last to 387.3). Slightly darker F-QPor matrix has ~ 1% disse' d po. Trace disse' d po also in F-Por. Calc 1-2 mm c-chl-veins, in part with po	P, x + po	Mega Suse. 0.13 .09 .11
		F-Qi-Por	532342, 395.0 - 396.3 ditto above, with 3-5% po a) as 10 x 40 mm patch (chlor) at 396.0; b) in chl-c-biot veins, c) in low size chl-biot patches. Rock matrix has a few blue qtz-eyes. Cut by several 1 x 4 cm patches of vtz clarity Qi-Por (Fcths missed by q-v?)	5 mm xl q-c-chl-biot - po vein, 75 TCA. Hairline c-biot-v 60 TCA.	Mega Suse. 0.17 .13 .18
		Qi-Por (Gresban)	532343, 396.3 - 398.9, medium grained, light gray. Morphology of qtz eyes not round, but equant, boxy, embayed. Matrix fop, minor biot, chlor, 0.5% disse' d po and in veins. 2-2 mm q-c-v, chl-c-v, at 1-4 cm spacing. ~ 2% Molybdenite in a 4 mm q-v at 398.6	Qi  veins 50-70 TCA Lower contact to F-Por diffuse, at 398.4.	Mega Suse. 0.13 .08 .09 No sharp contacts between F-Por and Qi-Por gresban, but probably metasomatic overlap
		F-Por	532344, 398.9 - 402.2, ditto above. Minor c/ to 2 mm q-v, chl-c-v. Trace po/epyt a) coarse disse' b) with veins.	veins 30-65 TCA	Mega Suse. 0.12 .10 .18 Column 4, 7, 10, 18

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F-Por	532345, 402.2 - 404.5, ditto above, Minor c1 to 2 mm c-obl-v, q-c-v, at 3-10 cm intervals. At 404.3', a 2cm wide, seric-nick parting assoc'd with 4 mm q-c-porphy ('greisenized'). Trace chld po, epy	veins 30-65 TCA Sharp lower contact 60 TCA	Mag. Susc 0.16 .16 0.17
		Qi-Por (Greisen)	532346, 404.5 - 407.3. 1-2 mm qz eyes in matrix of seric fsp, trace chld. Minor mm-size oriented chl-patches + po epy. Minor 1-2 mm c-obl-seric-v, 1 cm chl-c-porphy at 405.7, - ~0.5% po assoc'd, b) large patches (in chld), c) in c-obl-v.	weak fabric 40-50 TCA veins 30-50 TCA - 25 TCA	Mag. Susc 0.11 .09 .08 .06 Colour light-gy, cream coloured (used)
		Qi-Por (Greisen)	532347, 407.3 - 408.2, ditto above (to 407.3) with several cm-size patches + network of c-obl-biot ± po epy, prob. assoc'd with c-obl-veins. Overall ext'm't sulph abund: po 5%, epy 0.5-1% 'Sievy' po patches up to 10 mm	c-obl-biot-sulph veins 40-70 TCA	Mag. Susc 0.28 .18 .17
		F-Por	532348, 408.2 - 410.0, ditto above. Minor veins c1-2 mm chl-c-v, q-obl-v, seric-v, one 5 mm c-q-v, 0.5-1% po a) as 2-10 mm grains assoc'd with chl-c-veins at 409.9, b) chld trace epy.	veins 30-50 TCA.	Mag. Susc 0.14 .12 .17
		Mixed: F-Por, Bx, propyl.	532349, 410.0 - 411.4 ditto above. Consists of: a) Bx in 410.0-410.5, b) Biot-chl-propylite 410.5-410.8, c) F-Por 410.5-411.4. Previous: F-Por fragm. in propyl'd chl-biot(po) matrix, b) in Qi-Por matrix + seric. Possibly cherty Qi-Por		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532349 cont'd as cm patches, 1-2% po, trace apy, in chloric matrix. Trace diss'd po in F-Pol	Propyl. - veins 60-70 TCA	
		Mixed: F-Pol Qz-P, propyl.	532350, 411.4 - 412.1, ditto above (to 411.4) Approx 5 cm each of: a) F-Pol, partly propyl'ed + diss'd 2% po; b) Matrix chlor-biot-propyl. 10% po, c) fg. white Qz-Pol, permeated by two 5-10 mm chl-biot-c-sulph stringers, with a 5x20 mm po-py patch. Overall sulph: est. 3-5% po, 1-2% py, trace apy.		Magn. S <sub>2</sub> = c, 3.19 po → 0.37
		F-Pol	532351, 412.1 - 412.7, ditto above. Minor ε 1 mm c-chl <sup>(+po)</sup> trace diss'd po		Magn. S <sub>2</sub> = c 0.17 0.07 Color lt gy, fresh.
		F-Pol, partly propyl'ed	532352, 412.7 - 413.7. Partly propyl'ed F-Polphyty. Approx 30% cm, rounded F-Pol relicts in matrix chl-biot (po) matrix. ~ 2% po <sup>(+py)</sup> diss'd. in chl-biot.	Repl. - Gxio Sharp, irreg. lower contact ~ 45 TCA	
		F-Q-Pol (ip. propyl'ed) + po	532353, 413.7 - 415.5, ditto above Fsp-gtz-porphyr (lt-gy to white) ff, permeated by 10-20% network of mm-cm chl-biot-c-sulph patches. Sericite (Greibal) matrix 415.3-415.5. ~ 3-5% diss'd po (py), trace apy, in chloric patches		Magn. S <sub>2</sub> = c 0.13 53 po 0.15
		F-Pol	532354, 415.5 - 419.2, ditto above, With a few, vaguely outlined patches of higher sulph/ muscovite alteration. Rare habitine chl-c-v. Trace diss'd po, and in veins. Trace apy, in veins.	One xl-c-g-v, 5 mm. 20 TCA. III	Magn. S <sub>2</sub> = c 0.18 0.06 0.15 0.15 Fresh, unaltd, blue opt - matrix, rare veins

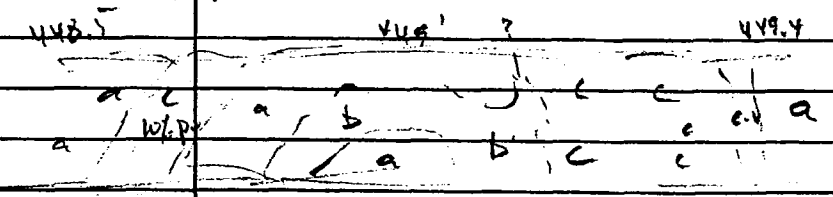
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F-Par	532355, 419.2-422.7, ditto above. A few, widely spaced hairline chl-c-v, and seric-joints, in 2 cases associated with hairl po veins. Rare 1-3mm q-c-v, 50-70 TCA.		Magn Succ 0.13 .12
			419.5-420.0 on 3 x 2 cm zone of Qi-Par + 2 wid and 2 hairl, chl-c-v with minor po, epy. Overall trace po, py, epy	10-70 TCA.	.13 .14 0.13
		Qi-P, F-Par	532356, 422.7-425.3, F-Par with 4cm XL q-(c-chl)-po vein 422.7-423.0 20 TCA		Magn Succ 0.27
		+qv + propyl + sulph	423-424 Qi-F-Par dyke (!), 6x1/2, propyl'ed bx matrix with 3-5% po, 0.5% epy, disse'd.	Bx. Interpid exerts: 1) F-Par 2) Qi-F-Par dyke 3) bx	0.33 .10 .08
			424-425.3 Qi-Par Greenish (10% seric in matrix) with mm-cm chl-c-v po patches, 1mm chl-c-v veins	4) Propyl + sulph ? 5) XL q-(c-chl) po vein	
		F-(Q) Par	532357, 425.3-430.0 similar to above. Bimodal fsp phstc, few blue qb eyes. Few hairline chl-c, q-v, chl-po-veins, at ~5cm intervals locally 1-2cm. Finely disse'd 0.5-1% po 425.3-427.0, trace po 427-430. Several (20cm spacing?) hairline chl-q-po-veinlets. Trace epy.		Magn Succ 0.13 .12
					.16 .13 .12 0.13
		F-Par	532358, 430-431.0 ditto above. One 3mm po/epy,py vein at 430.3, Hairl. q-v, q-chl-v at 0.5-1cm interval. 430-430.5 45 TCA.	- q-po vein 75 TCA	. . 0.13 .09
		F-Par	532359, 431-433.6, ditto above, with crossing		. . 0.10 .16 .22



Mapu Suse at ~1' intervals

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532359 cont'd. hairline chl-c-v, q-c-v, at 1-5 cm intervals. trace 0.5% po, trace epy, <sup>trace</sup> dis'd and in veins. From 433.2 a slightly darker F(Q)-Por variety with ~1% finely dis'd po		
		F-Q-Por + veining + F-Por	532360, 433.6-436.8, similar to core, mixed assembl: 433.6-435.0 ~ 80% white, fg F-Q-Por, cut by 1-2 cm spaced chl-c-g-por veins with assoc'd 1-5 mm po(epy) patches; and dis'd po(epy). Trace molybdenite in discontin. 5 mm qv @ 434.9.	→ 40-65 TCA	Mapu Suse PE 0.34 .18 .16 .33 0.41
			435-436.8 F <sup>Q</sup> -Por, From 435.5, 'Cracks by' hairl chl-c-g-po veins, at 1-3 cm interv. Several 2x10 mm po-(py, epy) stringers with chl-c-v. Overall po 2-4%, epy trace - 0.5%.	crossing hairl. veins, 45-75 TCA.	← Moly, 2 large grains 1x4 mm each
		F-Por	532361, 436.8-438.7 ditto above Minor hairl chl-c-v and q-c-v, at 1-3 cm intervals. Trace dis'd po	veins 30-50 TCA	Mapu Suse 0.16 .11 .12 veins brown!
		F-Por (+ po, epy)	532362, 438.7-439.6, Minor veining to 439.2: ~1 mm chl-c-v + trace po, at 2-4 cm intervals. At 439.2-439.5, a 5 cm size ~ circular, 'silty' patch of ~60% po, 5-10% epy, intergrown with chlc, carb. Epy mantles po Assoc'd with a chlc-carb vein + pol, ~40 TCA.	30' and 70 TCA.	0.17 .21 1.41 PE, epy 532362 other core stuff
		F-Q-Por + Q: Por	532363, 439.8-442.2 Mixed: a) Minor F-Por (to 440'), b) predom. mg F-Q-Por, with scat'd chlc patches + 1-2% dis'd po(epy) and one	Map Suse 0.25 .83 .39 .96	dominant → F-Por - epy F-Por chlc po po epy → 4W?

Mapa Suse at 1/2-1 ft interval

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			(large 2cm) po patch in chlo vein at 441.2, c) minor, 2 cm vfg, cherty Qi-Por adjacent to 1.5cm q-c-obl-po vein at 441.7-441.8 Overall sulph abundance: po 3-5%, ep 0.5%	vein 75 TCT	
		F-(Q)-Por	532364, 442.2-444.6, similar to above, mg (0.5-1mm fsp phxts), few Qi, Scatt'd mm-cm chlo-po patches. - Two ~5cm series: arcs around a 5mm q.v. (→ Gratin?) @ 443.3', 2-3 cm spaced hairl obl-c-v. Overall po: 2%, ep trace	Sharp <sup>lower</sup> contact 45 TCT	Mapa Suse 0.41 1.04 .25 .65
		Mixed: F-Q-P Qi-Por	532365, 444.6-446.4. Similar to above (444.6). mg F-(Q)-Por enclosing mg cm to 210 cm angular pieces of vfg 'cherty' Qi-P/only to chlo F-(Q)-Por has 10-20% mm-cm chlo grains patches + chlo-veins. 2-4% po, trace ep, as dissem. e. of larger grains (to 10 mm). locally 5-10% muscovite in matrix	Linear chlo-c-v. cl - 3 mm, 40-70 TCT	vfg cherty Qi-P. prob. fragments of earlier, chlo'd Q-P? Mapa Suse 0.12 0.96 1.11
		Qi-Por (vfg)	532366, 446.4-448.0 vfg cherty Qi-Por. Minor hairline chl-c-v. ~ 2% dist'd po, trace ep. Po grains are <math>\leq 0.1\text{mm}</math> to 3mm.	Sharp lower contact @ 30 TCT marked by a 3cm chlo-sulph patch.	" " 0.22 .78 0.80
		Mixed:	532367, 448-449.8 disto above, mixed assembl. a) mg grain F-Q-Por, + 12 dist' po, surrounded by a 2-4cm band of b) vfg cherty Qi-P. followed downhole by 0.4' = 12cm of c) fsp, Mn-pyrite F-Q-Por, chlo-misc, + 2% dist'd po (+ 1.5cm x 1-c).	448.5 449.4	

V.G.

Magn. Susc at 1/2 - 1'

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F(G)-Por	532368, 449.8-450.9 ditto above, minor 1-10 mm c-(chl-g)-v, trace chert po 1 grain of v.G. (Au) at 450.5, in c-(chl-g) vel.	30-40 TCA	Magn. Susc 0.14 .16 V.G. at 450.5', in a 1cm c-(chl-g)-v 1 flake left on cut surface.
		F(G)-Por	532369, 450.9-453.0, ditto above Permeated by 5-10% mm-2cm propyl <sup>2d</sup> chl-biot-po patches; and hairl. chl-c, g-v at 1-5 cm intervals, 452.2-452.4, ~4 cm v.G. cherty Qi-Por intergrown with 20% propyl chl-biot -po patches. Overall sulph. est. ind: po 2-4% cpy trace - 0.5%.	hairl patches 50-70 TCA	Magn. Susc 1.45 0.88 0.74 1.45 PO!
		F-(Q)Por	532370, 453.0-455.5, ditto above. Permeated by a) ~5% mm-chl-biot <sup>-po(cpy)</sup> patches, and assoc'd 1mm c-chl-v. and rare 1mm porous, b) a few cm patches, 454.7-455, of v.G. cherty Qi-Por. Overall sulph. est. ind: po 1-2%, cpy trace - 0.5%.		Magn. Susc 0.39 .74 .55 .18
		F-(Q)Por	532371, 455.5-458.3, ditto above. Sc. 46 (5-10 cm intervals) mm-1cm chl-biot-po propyl patches, hairl chl-c-v, in places with 2 x 20 mm (po/cpy) stringers in chert. Spacing of large chl-po patches ~5cm. Overall sulph. est. ind: po 3-5%, cpy trace	= spacing of hairl chl-c-v (3 po) 2-5cm, angles 30 to 80 TCA	Magn. Susc 0.27 1.01 PO! 1.14 0.4 1.25
		F-(Q)Por (minor v.G. P)	532372, 458.3-461.4, ditto above F(Q)Por to 460.8, v.G. Qi-Por 460.8-461.4. Rare mm-cm chl-biot-po patches. Minor, 2-4cm spaced hairl chl-c-v Trace to 0.5% po, ditto	30-70 TCA. lower Sharp irregular contact 45 TCA	Magn. Susc 0.23 .29 0.55 .15 .11

MS at 1/2 - 1' intervals

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Propyl'd F-Q -Por	532373, 461.4 - 462.4, Propyl'd F-Q - Por? fg chlor (biot) - qtz veils. Fg Qi-Por 461.7 - 461.9. 2-5% chlor po, minor py. A few po-py patches 3-8 mm size. Acc. oxide	Several 2-5 mm c-obl-v 30 TCA. Sharp lower contact GTC	Magn Susc .051 2.01 1.56 1.15
		F-(Q) Por	532374, 462.4 - 464.0, ditto above. To 462.8', intruded by vfg cherty Qi-Por, irregular, serrated contact. F(Q) Por cut by one 10 mm cgl-chlor vein and few hail c-obl-v. Trace py, po	~ 30 TCA Sharp lower contact ~ 45 TCA	Magn Susc 0.2 .2 .18 .24
		Qi-Por	532375, 464.0 - 464.7. fg cherty, white Qi-Por, in part with a > 2 cm portion with in oriented sericite. 3-10 mm c-q-obl v Trace dissolved po	seric oriented ~ 20 TCA 25 TCA. Sharp lower contact 30 TCA	Magn Susc .11 .24
		F-(Q) Por	532376, 464.7 - 468.0 ditto above To 465.4', H Qi-Por + 2% oxide, cut by minor propyl' chlor - (po) vein + outd. 465.4 - 468.0 F-Q-Por, fresh gran., rare sericite, rare specks of po, py.	Sharp lower contact 30 TCA	Magn Susc 0.23 .17 .18 .19 .13 More g/4 eyes!
		Mixed: Qi-Por, F-Por, propyl	532377, 468.0 - 470.0, Mixed assemblage: 468 - 468.9 fg Q <sup>2</sup> P, cut by c-obl vein (10 mm) 468.9 - 469.4 F-Q-Por, ~ 10% c-obl-v, crosscut 469.4 - 470.0 Partly propyl'd F-Q-Por + 2% po. Common 1-5 mm c-v	20 TCA 10-40 TCA, 2-10 mm	Magn Susc 0.13 .16 0.42
		Qi-Por Gneiss	532378, 470 - 473.2, Gneiss, qtz-eye-por. fg, qtz eyes larger at 472'. Propyl'd patches to 470.4. Sericite in matrix common but variable (5-30%)?	Weak fabric, fossils, of seric 30-50 TCA.	Magn Susc 0.28 0.25 .12 .42 .14

M5 - 1 1/2 - 1 ft interval

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532378 cont'd. C-ell (seric) veins common, cl - 5 mm, crossing, spacing 0.5 - 3 cm. ~0.5% po dissected and in c-ell-veins. Accessory oxide, f <sub>g</sub> disct and as rare <sup>large</sup> iron grains.	'Crackle bx'	
		Qi-Por Gneiss	532379, 473.2 - 476.4, ditto also re. to 473.2 Gneiss with variable matrix-seric; various ly ~ 5-10 cm areas. Variable density of veining 473.2-474.2 Strong c-ell <sup>(3 po)</sup> veining, 2-10 mm, <sup>11-12</sup> 474.2-476.4 Minor, discontn, karst. chl-c-v. <sup>11-12</sup>	sub //, 20-30 TCA. 'Crackle bx'?	Magn Susec 0.22 .4 .14 .09
			Qi-Por f <sub>g</sub> qtz 0.5-1 mm. Seric-matrix from < 3 to 30%, in part orientated, imposed fabric - 20-30 TCA. Thin c-ell-v, seric-v (474.2-476.4, 'Crackle bx'?) at 1-2 cm intervals. 1% po, trace cpy. a) in veins, b) minor, disct.		
		Qi- <sup>cont'd</sup> chl vein in Qi-Por	532380, 476.4-478.8 Coarse, <sup>cm</sup> banded qtz-chlor- carb-vein, with Qi-Por gneiss, + 2% <sup>1 py</sup> po, trace ~0.5% cpy in scatt <sup>l</sup> = in qtz and epids, scatt in chlor and qtz. Some po-py stringers 5x30 mm in size. Within <sup>q.c-ell</sup> vein material, cm-size <sup>tr</sup> high seric material - prob. Qi-Por?	Vein banded, bxt'd, with some slickensides, <sup>wavy</sup> banding; 15-40 TCA	Strong deformation, tectonics evident. Magn Susec 0.10 0.12 0.23
		Qi-Por, (fract'd - bx, + seric)	532381, 478.8-481.0 Fract'd / bxt'd Qi-por. Fractures and bx matrix which seric/minor chlor + minor sulph. 480-481 fracture filling mainly bid cells. At 480.7 two 5-20 mm sulph patches (po-cpy). Overall sulph abundance po 2-3% cpy trace.	480-481 'Crackle bx' Fract ↓ / ↑, discontn + random, at 0.5-1 cm spacing	Magn Susec 0.11 .34 .15 .33

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS	
		Qi-Por Green	532382, 481-485.5, similar above (to 476.4) mg, qtz eyes 0.5-1.5 mm. Matrix por. low susc. lent variable, at 5-10 cm. Matrix q-f-p, minor fr biot, chlor, accessory ox, diss'd sulph. Scatt'd 1-2 mm seric patches @ 5-10 mm interv. chl-biot-c-ep Seric/chlor-biot. varying at 1-4 cm spacing. 0.5-1% py. & diss'd b) in veins. Trace epy, with po			Magn Susc. 0.15 .17 0.12 .10 .12 .14 Color. Lt gray
		Qi-Por (Green)	532383, 485.5-487.0, ditto above (to 485.5) Minor hairline chl-c-v, chl-seric-v, at 2-4 cm spacing. Trace po, -py, & diss b) in veins. Access. diss'd ox	hair chl-c-seric-v random orient., 40-80 TCT.	Magn Susc. 0.13 .1 .16	
		Qi-Por (Green)	532384, 487-488.6, ditto above (to 485.5) with vague bx texture 487.9-488.4; Banner, Ltgy Qi-Por fragm. in alk gy sulph - brn, propyl/2 matrix: Qipor + 50% fr chlor biot + carb ± seric Overall sulph: 2% po, trace epy, sulph minerals at 1-10 mm patches in alk in matrix	Trace cu in, rounded Sharp irregular contact to TCT	Magn Susc. 0.16 .13 .30	
		Qi-Por (fr. cherty)	532385, 488.6-492.4. Fine grained 'cherty' Qi-Por to 493.8, mg. → 492.4. Terminated by ~5% mm- cm size propyl'd chl-c-biot patches, ± sulph. Thin chl-c-biot-v ± sulph at 2-5 cm spacing One 5 cm q/c-dil vein, one 2 cm c-dil-q-propyl vein at 491.4, bot TCT. F-Por. inclusion? 5 ex. d. at 491.8. Sulph: po, py (epy) <sup>up to 2cm patches</sup> mainly in chlor-c-biot patches, and in alk; Overall	5 cm q/c-dil-v at 490.4-490.7 20-30 TCT	Magn Susc. 0.09 .12 .09 0.14 .13 .28	

M5 at 1/2-1 ft interval

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532385 cont'd est. abund: D <sub>2</sub> Z <sub>6</sub> , py 0.5%, ep <sub>7</sub> trace.		
		F-Por, Qi-Por	532386, 492.4-495.2, Breccia, propyl'd.	Bx	Mag. Susc. 0.34 1.80 .46
		Bx, propyl'd	+ sulph. Partly propyl'd breccia (fragm of F-Dose and Qi-Por!) alternating with 1 ft and 0.5 ft portions of mafic/ultra mafic + biot rock, with high ep <sub>7</sub> abundance.		.22 0.17 .45
			493.0-493.8. mafic chlor-biot rock + 3-4% ep <sub>7</sub> ! — with fabric	↓ 493.5 chlor + ep <sub>7</sub> biot chlor	High ep <sub>7</sub>
			General po, ep <sub>7</sub> abund: ~1% po, < 0.5% ep <sub>7</sub> (orddy 493-493.8 portion).		
			495.0-495.2. Schistose, laminated 4 cm c-biot — 9-vol + 1% po	5-70 TCA	
		F(Q)-Por	532387, 495.2-497.0. F(qtz)-phosphon partly propyl'd. Half of interval shows vague Bx texture (replacement): ~20-30% chlor-carb matrix and chl-c-veins, replacing F-Por. 2-4% po, 12% 0.5% ep <sub>7</sub> also in a) chlor-matrix, b) chlor in F-por, c) in vein-veinlets.	Vague Bx c.u.-size, round + angular. F-Q-Por clasts in chlor-matrix	Mag. Susc. 0.20 1.20 1.71 .78
		i.p. propyl'd		Sharp, inner contact, ~50 TCA	
		Propyl'd F-Por?	532388, 497.0-498.4 Fine grained mafic rock with veins (~5-10%) cm F-Por matrix; matrix: chl-fep-biot-qtz. ~1-2% abies po, trace ep <sub>7</sub> also in vein. veins in F-Por. Access. ex. Abundant 1-3 mm c-v, 50-70 TCA.	sharp, grading to por. by 0.3' breccia	Mag. Susc. 1.50 2.57 1.01
		F(Q)-Por	532389, 498.4-500.7, ditto above to 497.0!		Mag. Susc. 0.13 .18 .16 .16
			Punctated by 1-4 cm intervals, by 1 to 4 mm chl-c-biot-v. and basic (chl) veins, orient. random? 'Crackle bx'?		
			Scat'd 5 cm chlor'd areas. At 499.2 a 2x5 cm 'fingers of off-cherty Qi-Por (fitter pressed liquid?) — with flowlines ~60 TCA		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532389 cont'd 0.5-1% diss'd po, trace opy		
		F(Q)-Par	532390, 500.7 - 502.3, ditto above (to 500.7) Minor cl-2 mm c-chl-v, at 1-5 cm spacing. Trace diss'd po	c-chl-v 40-70 TCT	Magn. Susc 0.11 .15 .13
		Qp-Par (Green) (Zone C to D)	532391, 502.3 - 506.1. Upper half schistose, banded; rich in seric and biot, qtz-eye-porph. Lower half massive and less seric, in part F-Q-par. 2 cm, banded q-c-chlor-rite 504.3-505.1. Po 0.5-1%, diss'd and in biot-chlor stringers. opy trace	schistose, banded; alternating seric-rich and biot-rich 10-20° TCA	Magn. Susc 0.23 1.19 0.15 .33 .52
		Propylized F(Q)-Par	532392, 506.1 - 507.3. Fine grained matrix of chl-c-biot (q) matrix (+ accessory op) hosting 10-20% embayed relicts of F-Par. ~1% diss'd po, trace opy. Minor mm c-v, ± random orient (60-80 TCT)	Falinit. Bx texture (relicts of F-Par)	Magn. Susc 0.87 .57
		FQ-Par (partly greisen + propyl) (Zone C to D)	532393, 507.3 - 510.5 Partly greisenized or propylized F-Q-par. Several distinct textures: Unaltd F-Q-Par relicts. Greisenized portions: seric-rich, cm-bands: 507.3-508.0 509-510. Trace <sup>0.5%</sup> diss'd po, trace opy.	Explains Bx texture 2 cm c-q(chl)v. 65 TCT, at 509.3'	Magn. Susc 0.40 .27 .26 0.16 .67 .62
		F(Q)-Par	532394, 510.5 - 511.5, similar to above (to 510.5) Cut by a 1 cm seric-rich zone. 30 TCT. Minor 1-2 mm <sup>92v</sup> with possible fluorite (purple)	5 mm q-c-chl 75 TCT at 511.5	Magn. Susc 0.21 .16
		F(Q)-Par 1.5 (P) + small	532395, 511.5 - 512.5, ditto above (to 510.5), with several cm-size areas of fq. cherty Q-Par associated with a stringer of c-v-c <sup>oxy</sup> -po veins.		Magn. Susc 2.59 2.27 -po!

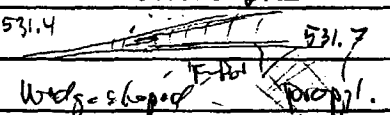
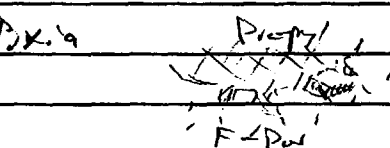


Major Suse at 1/2 - 1' interval

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532395 cont'd Crossed eq. po: 3%, in three low patches epz trace = 0.5%		
		F(Q)-Por	532396, 512.5 - 513.3, ditto above (to 510.5). Weak 'precipitation': ~20% chalc. Suse. Trace po with chalc.	3 x 2 mm c-v, at 3-4 cm = precip., 40 TCA Sharp lower contact of 60 TCA	Major Suse
		Q <sub>i</sub> -Por (H)	532397, 513.3 - 515.0, fgy, dark Q <sub>i</sub> ex- Porphyro. hosting a few cm-inclusions of mg F-Por; permeated by ~10% calc. chalc. ex-patches + 1/2 po, trace epz. Rare hoil. c-v	+ Inclusions of F-Por	Major Suse 0.25 7.03 .49 po
		Q-F-Por	532398, 515.0 - 517.5 similar above Q <sub>i</sub> traces and fep patches Minors 1-5 mm c-v, 10-15 cm spacing Trace chalc po	30-45 TCA	Po-patches up to 1.5 cm size, at 514.5' Major Suse 0.31 .15 .08 .19 H ex. unallo'
		Q <sub>i</sub> -Por	532399, 517.5 - 518.2 vague fragments of fgy white Q <sub>i</sub> -Por in more chalc-matrix, mg matrix of Q-F-Por + two cm-size propyl'ed chalc-po-epz patches. Crossed po 2-3%, epz 0.5%. Minor po chalc in chalc	vague intrusive bria texture Minor 6 mm c-v	Major Suse 0.17 0.51 po
		Mixed F-Por f Q <sub>i</sub> -Por, propyl'	532400, 518.2 - 520.2 Mixed aso. (to po: 518.2 - 518.9 Propyl'ed, bria. fgy chalc matrix (propyl'ed Q <sub>i</sub> -Por? enclosing cm-remnants of F-Por and f Q <sub>i</sub> -Por (chalc)). Trace chalc po 518.9 - 519.2 vfg chalc, white Q <sub>i</sub> -Por. 519.2 - 520.2 mg F-Q-Por, with minor cm- calc chalc patches + 26 po. (5 mm sub pl. glasters)	Bria texture 1 mm c-v, 20-40 TCA	Major Suse 0.25 .28 .17 .21
		Mixed F-Por f Q <sub>i</sub> -Por, propyl'	532401, 520.2 - 522.1 ditto above (to 520.2) F(Q)-Por showing vague bria texture. Matrix <sup>9h</sup> vfg in chalc	Vague bria texture	Major Suse 0.39 .38 .13 .2

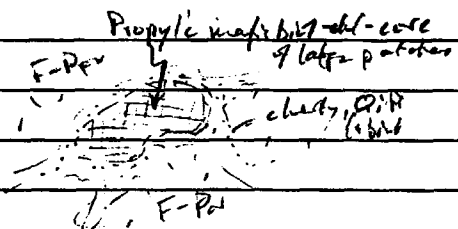
Magn Susc at 1/2-1' intervals

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532401 cont'd 0.5% po, trace ep, diss'd and as one 2 cm cluster at 520.8' in dls. matrix adjacent to con clasts of cherty Qi-Po		
		F-Po (+propyl.)	532402, 522.1-525.2 ditto above. F-Po (large qtz eyes), permeated by ~10% con areas (network?) or 'matrix' a) fine grained, with Qi-Si-P; b) with chlor + po. ~1-2% po, trace ep, conc'd in chloric matrix. 523.0-523.7 ty matrix. propylid.		Magn Susc 0.16 .17 .31 .14 .2 possibly in part of Qi-Po?
		F-Po	532403 525.2-527.6 ditto above. Uniform, gran. F-Po. At 526.8-527.1, 0.8 ft white, 'leached' portion, as 'halo' around several 5mm, anastomosing, dark, fg, cherty Qi-Po + sl. hyper chlor + biot, trace po, ep Si. 7ms halo at 527.6 Trace po, ep, in mm - Qi-veins, at 526.9.	NO vesic.!	Magn Susc 0.16 .11 .15 .13 Well developed F-Po texture, Pop plots bi-modal.
		F-Po (+Qi-Po)	532404, 527.6-530.0, F-Po, with contact - diabase dyke 527.7-528.3, - minor breccia 529-530': cm-size clasts of white, aplite 'fop-porph' and mg F-Po (host rock) intended by <sup>5cm dyke</sup> cherty, dark Qi-Po? with anastomosing dark, chl-biot-sulph matrix-veins. (as above to 527.6), Overall sulph: 1% po, trace ep	Cut by diabase dyke, 527.7-528.3, 70 FCA Breccia	Magn Susc 0.20 .29 .14 .16 .016
		F-Po (Breccia)	532405, 530.0-531.7. F-Po with <sup>in breccia</sup> Breccia texture as above (to 530), 530-531.2. Un-ctd F-Po 531.2-531.7.		Magn Susc 0.26 .27 .13

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532405 cont'd Bx in 530-531.2: mg F-Por clasts in fg, dark, Qi-Por matrix. Fg biot, chloa, cherty groundmass. Accessory trace po. Qi-Por seems to grade into <sup>matrix</sup> c-c-size massive chloa-biot - po patches. Overall por ~ 0.5-1%, trace sp.	531.4  531.7 Wedge shaped 2-15mm c-g-biot vein protruding into F-Por from propylitized patch at 531.7-531.9	Magn. Susc at 1/2-1' interval cherty Qi-Por intrusive phase & veins generally related to matrix propylitic chloa-biot patches, + po!!
		Propyl'zed F-Por	532406, 531.7-533.6 531.7-532.2 F-Por, permeated by ~10% network of dark, cherty Qi-Por, and <sup>few</sup> c-chloa veins. 532.2-533.6 coarse mafic chloa-omph-biot rock, 533.0-533.6 as Bx in: F-Por clasts in mafic propyl'zed matrix.	step contact 70 TC A, to Propyl. Lower contact gradational: decreasing propyl'ic matrix.	Magn. Susc 0.15 .21 .54 .33
		F-Por	Trace disint po, py.		
		(F-Por + propyl)	532407, 533.6-535.5, ditto above (to 533.6) F-Por, intruded by: 534.2-534.4 ~5cm, anastomosing 'fingers' of cherty, white, Qi-Por, central to classic Qi-Por, matrix to Bx in. 534.4-535.2, ~20% cm wide dark Qi-Por matrix, 535.2-535.5, large patch of mafic fg chl-biot-fsp propylitized F-Por. Trace po, py, in chloa patches	Bx in 	Magn. Susc 0.16 .16 .19
		Propyl'zed F-Por?	532408, 535.5-540.0 Propyl'zed fsp por? mg mafic chloa <sup>anph</sup> -fsp-biot rock with variable subophitic and 'blotchy' texture. ~1-2% disint trace disint py. 537.4-538. F-por relicts		Magn. Susc 0.29 .51 .44 .32 0.33 .30 .37

Magn Susc at 1/2 - 1 ft intervals

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532408 cont'd cm-size, with em based outlines. Rare 1-2 mm c-v		
		Propyl'ed F-Por	532409, 540.0 - 545.2 ditto above (to 540.0) 540.0 - 541.5 Replacement breccia: 30% F-Por cm-size relicts in propyl'ed mafic matrix. 541.5 - 545.2, Mafic, propyl'ed rock with few <sup>small</sup> F-Por relicts. 6" relict bixia at lower contact	Sharp, irreg. lower contact ~ 60 TCA	Magn Susc 0.24 .11 .35 .39 .35 .33 .23
		F-Por	532410, 545.2 - 547.3 ditto above, with 1-3 mm c-cls-g-veins, 1-3 cm spacing, sub-parallel - <sup>veins</sup> 10-40 TCA Some veins are accompanied by 5-10 mm wide halo of probable ife cherty Qi-Por (filter pressed liquid. Trace po, py near veins.	Sharp lower contact ~ 70 TCA	Magn Susc 0.12 .07 0.12 .21 .13
		Propyl'ed F-Por (+ Qi-Por)	532411, 547.3 - 549.5, ditto above (to 540). Propyl'ed, mafic rock with: 548.0 - 548.3 relict of F-Por, with bixia texture 547.8 - 548.0 vfg, cherty Qi-Por (filter pressed liquid). Cut by mm - biot-oliv veins, (propyl).		Magn Susc 0.37 .31 .47
		F-Por	532412, 549.5 - 555.0, ditto above.	Replacement bixia	Magn Susc 0.54 .32 .23 .24 .28 .38 .44 .26
		partly propyl'ed + Qi-Por	↑ F-Por intruded by network of ff, white F-Por + 16 = pline 549.5 - 451.5, which is assoc'd with mm - cm clear biot patches + 5% po + 1% py. 451.5 - 455.0 F-Por being replaced/intruded by 10-20% mm-cm network of dark	Repl. bixia, in situ Replacement bixia	Dilatational intrusive pattern *

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532412 cont'd ft 'cherty' Qi-Por + list, some blue opal, qtz veins 3-5" po, 0.5-1% epq in larger list-deltaic areas. - Veining generally rare, - except: 553.6-554.0 closely spaced (5mm spacing) parallel hairl. qtz-veins in F-Por, to TCA.	in situ.	Mapu Susc, at 1/2-1' intervals obviously, the <sup>cherty</sup> Qi-Por / f. the- presence of liquid that infiltrates F-Por facies, succeeded it, is closely assoc'd with Propylitization and high po-epq precipitation !!
		F-Por ft Qi-Por intrus.	532413, 555.0 - 558.5 ditto above (to 555) Distentional, in-situ, intrusive breccia. 10-20% black breccia matrix: vfg, cherty Qi-Por, + vfg inoi, + propylitized patches, with ores of 1-3% disse' po, trace to 0.5% epq. Accessory ox, sphene (ip. large grains) in matrix breccia areas	Distentional <sup>in situ</sup> Breccia	Mapu Susc 0.27 .22 .59 .30 0.25 .17 .45 q-bill-df (+ pol veinlet) are part of the Qi-Por intrusion etc. !!
		F-Por + minor ft Qi-Por partly propyl'ed	532414, 558.5 - 562.3 ditto above (to 555, 558.5) F-Por, in part as in-situ intrusive breccia: vfg cherty Qi-Por assoc'd with propylitized patches / veins, with scat'd po grains + km - (at 560.0, 10mm) Cu-sulfides po patches of light gray vfg cherty Qi-Por at 558.6, 558.8 and 561.9. - Cg microphitic propyl'ed F-Por 561.2-561.9. - Ores of sulph ance; Po 2-3%, py 0.5-1%, epq trace - 0.5% Large (10mm) po(epq) patch at 560.0'		Mapu Susc 0.32 .42 .24 0.42 .19 .30 .11
		Propyl'ed F-Por (?)	532415, 562.3 - 563.4, ditto above (to 540') Propyl'ed (ep) sulph. Matrix, qtz-bearing eg, sulphuric rock, with scat'd ore sites.		Mapu Susc 0.40 .42

(X)

Mapu Susc. at 1/2 - 1' intervals

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532415 cont'd		
			F-por relicts. Trace po, py.		
		F-Por	532416, 563.4 - 565.8, ditto above / to 555, 558.5	In part clastic, in situ	Mapu Susc 0.16 .11 .13 .25
			F-Por, as in situ, <sup>in situ</sup> distentional b) 10-20% anastomizing, mm-cm lt gy-cherty Qz-Por, (with biot)		
			b) 5-10% mm-cm dark, biot-ellorid. Qz-Por patly assoc with propylite + minor po.		
			Extensive sulph abundant: 1% po, trace epz.		
			~ 6cm patch of fg. porph. Dyke / close to 565.3 - 565.5. 3mm ell-c-q-po vein at 565.3		
		F-Q-Por	532417, 565.8 - 569.0 Fsp-grt-porphyry, whitish. Hairline to 2mm q-biot-ell-sph-ox + po-veins, at 1-5cm intervals, 45-70 TCA	low qv 60 TCA at 567.7	Mapu Susc 0.24 .24 .17 .18 .14
			Total po <sup>py</sup> trace to 0.5%		
		F-Q-Por	532418, 569 - 571.5 ditto above (to 569). Lower density of hairline veins; 3-10cm spacing, 8mm epid-q-c-vein // CA 570.5 - 571.5, 30% cm- size dark patches (biot, ell, grt + po) 570 - 571.5	0-10° TCA	Mapu Susc 0.18 .35 .16 .37 .15
			Trace - 0.5% disse' po, py. (to 555, 558.5)		
		F-Por	532419, 571.5 - 576.2 ditto above	in part Replacement Biot	Mapu Susc 0.15 .29 .39
		(ip. propylite)	propylite, in part b) texture by in-situ replacement. Dark, propylitic portions 40-50% 5-10% fg. 'cherty' Qz-F-Por. Coarse, matrix propylite portions: 571.7 - 572.4, 573.0 - 573.2. Sulph: 0.5% po, trace epz, in ellorid areas.	texture.	.13 .24 .21 .13
		Propylite F-Por	532420, 576.2 - 579.0 ditto above, Matrix / UH		Mapu Susc 0.55 .55 .59 .58 .64

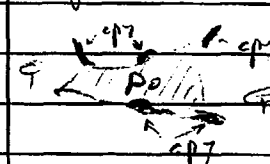
MS at 1/2 - 1' intervals

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532420, cont'd e.g. chlor-biot rock, rare relic <sup>cu</sup> of F-Par Fine grained to 577.0 Trace py		
		F-Par (partly propyl <sup>ized</sup> )	532421, 579.0 - 580.9, ditto above (to 576.2) F-Par ~ 30% replaced by propyl <sup>ized</sup> portions 0.5-16 po, py in propyl <sup>ized</sup> portions. Trace po, cpy in F-Par, disse and in hair veinlets		Magn Susc 0.33 .60 .32 .13
		F-Par	532422, 580.9 - 582.6, ditto above. 580.9-581.1 10% lit-rich patches. 5cm q-v with 6x7 mm cpy grain at 581.4. Rare veinlets Trace po	65 TCA	Magn Susc 0.13 .17 0.11 No trace of propyl <sup>ite</sup> , no chl-c-v.!
		F-Par (partly propyl <sup>ized</sup> )	532423, 582.6 - 586.0 ditto above (to 555, 558.5) Replacement bix texture. Approx. 60% propyl <sup>ized</sup> . Common <sup>icu</sup> biot veins parallel C1 // to schistosity. ~ 0.5-1% disse <sup>po, py</sup> trace cpy, mainly in propyl <sup>ized</sup> portions, near borders to F-par relicts.	Repl. - Bx <sup>ite</sup> Veining 10-20' TCA Fabric in biot-chlor: 10-20 TCA at 585'	Magn Susc 0.22 .20 .36 0.32 .18 .17
		F-Par	532424, 586.0 - 589.7, ditto above (to ...) moderately veined: <1 to 5 mm chl-biot-c-q- veins, 1-5 cm spacing. 586-587 parallel veins, 10-20 TCA. Matrix, propyl <sup>ized</sup> portion 588.6 - 589.1. Accessory ox, sphene. ~ 0.5% podiform and in veinlets. Rare large po patches / 5-10 mm at 586.5'. ~ 0.5% disse <sup>po, py</sup> in propyl <sup>ized</sup> area	in places crossing 'Grade Ex' 65 TCA	Magn Susc 0.11 .12 .17 .11 .49 0.12 propyl <sup>ite</sup> enkeleat = plume x TC
		Mafic Schist	532425, 589.7 - 591.5 Schistose, mafic, mg fsp-chlor-biot-carb rock (propyl <sup>ized</sup> fsp-par)	Sharp gradational, irreg. lower contact ~ 60 TCA Schistosity 45 TCA. and 60 TCA	Magn Susc 0.35 0.30 0.27

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532425 cont'd 0.5-1 1/2 py as euhedra and small stringers parallel to schistosity.		
		F-Q-Por	532426, 591.8-592.4 similar to 589.7, not schistose to 592.2. 20-30% dark, chlor-carb with K-feldspars. .2-3% large (1-2 mm) sphene-ox xls. Carb-veins as staurolite. 3-5% eg sieve py, po, trace epy. Lower 0.2' schistose, 50% carb.	1 cm q-c-v 45 TCA	Magn Susc 0.23 .20
		Mafic Schist	532427, 592.4-596.7, ditto above (to 591.8) chlor-biot-fsp-carb schist, 595-596 mm-ten circulation 0.5-1 1/2 py as 1-2 mm porphybl. 596.5-596.7 F-Q-Por, not schistose, with c-v.	Two intersecting schistositys a) older: 30-50 TCA, b) younger 50-70 TCA assoc'd with white carb stringers locally mm-cm circulation	Magn Susc 0.32 .32 .35 0.35 .37 .32 Deformation zone! 0.2' F-Q-Por at 596.7 not schistose, but massive. Most probably younger deformation of thrust/matrix schist rock
		Propyl'd F-Por?	532428, 596.7-598.0 ditto above, schistose to 597.3, massive 597.3-598: mg K-feldspars chlor- biot-fsp-carb rock, no F-Por relict texture 1-5 mm c-ckl veins    = 50 TCA and 45-2 mm c-ckl 0.5% py, dissd, in schistose portion.	→ 20 and 45 TCA	Magn Susc 0.35 .37 .29
		F-Por	532429, 598-600.3, ditto above, with 50% propyl'd portion 599.2-600.3. Minor veinings: 1 mm c-ckl, F-5 cm spacing, 30-60 TCA 1% py, trace epy, mainly in propyl'd part, trace py in F-Por		Magn Susc 0.16 .15 .22 .21 .23
		Propyl'd F-Por	532430, 600.3-603.6, ditto above (596.2) In part breccia texture (replacement breccia), ~ 20% cm F-Por relicts in mg-ckl-biot-fsp matrix.	Bx	Magn Susc 0.30 .3 .38 .26

Magn Susc at 1/2-1 ft interv.



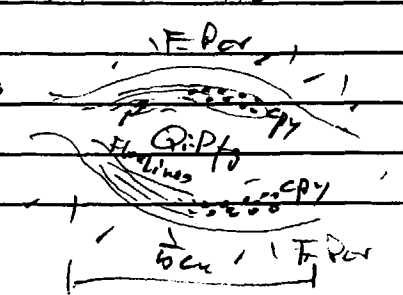
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532430 cont'd Minor q-g-v, c-chl-v at 1-3cm spacing	30-60 TCA	
			Trace 0.5% diss'd py.	Lower contact irregular, as bxia.	
		F-Por	532431, 603.6 - 604.7 ditto above (to 589.7)		Magn Susc. 0.10 .08
			light grey, massive, low chlor in matrix (2-3%)	q-chl-c veins 30° TCA and	
			1-5 mm q(chl)-v and c-chl-v (± trace po)	60-75 TCA	
			at 1-2 cm intervals. Trace py in veins and ep <sup>+</sup>	Lower contact q.c. @	
			and diss'd, with chlor-biot patches	30 TCA	
		F-Por + Q-cv	532432, 604.7 - 605.3 ditto above (to 589.7)		Magn Susc 0.14 2.1
			F-Por cut by 4 cm q-c-sulph vein (hanging wall down hole), Q-c-v with 5x40 mm po-ep <sup>+</sup> grain, (py overgrowing po. Minor sil in	q-c-sulph vein 25-30 TCA.	
			q-c-chl veins in F-por. Total po 5-7%		3cm carb xtl
		F-Por	532433, 605.3 - 607.1 ditto above. Rare biot		Magn Susc 0.16 .11 .13
			chl-c-g-v. One 5mm q-v. Higher vein density (biot-c-g) 606.8-607.1. Trace diss'd po.	Sharp lower contact 65 TCA	
		Propyl <sup>20</sup>	532434, 607.1 - 608.0 ditto above with ~10%	Weak fabric 65-75 TCA	Magn. Susc. 0.42 .36
		F-Por	cm-size F-Por relicts. Variable text in matrix. 0.5% diss'd py, access. ox		
		F-Por	532435, 608 - 609.8 ditto above (to 604.7)		Magn. Susc 0.17 .15 .18
			Rare biot like q-chl-c-v. Trace po, py diss'd and in veinlets. Trace po in epid patch.		
		Propyl <sup>20</sup>	532436, 609.8 - 611.3 ditto above (to 576.2)		Magn Susc 0.45, 0.40, .42, 0.4
		F-Por	Minor F-Por relict texture. mg-cg, massive, subophitic texture		
			Minor chl-c-v, trace diss'd py		
		Propyl <sup>20</sup>	532437, 611.3 - 614.0 ditto above (to 576.2)	Bxia texture	Magn Susc 0.23 .25
		F-Por	in part replacement of bxia texture. 10-20%		.34 .36 .36

Magu Susc at 1/2 - 1 ft interval

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532437 cont'd F-Par relicts, cm-size. Matrix matrix sub- ophitic. 0.5-1% diss'd py. as rare large clusters single cubes, in veins. Rare thin c-chl-v.		
		F-Par partly propylized	532438, 614-615.0, F-Par porphyry, permeated by 10-20% 1-2 cm chlorite-carb patches and veins. 2-3% py as cl-3mm granules in chlor, 4% py as 2cm clusters in chlor-biot		Magu Susc 0.27 .19
		Propylized F-Par	532439, 615-617.2, ditto above (to 576.2) with ~25% F-Par relicts, cm-size. At 616.6, 5-10 mm patch of po, cpy interstitial to c-g amphib. 0.5-1% diss'd f.g. po overall. Accessory ox, sphene, trace cpy	Bx texture	Magu Susc 0.22 .74 0.45 .66
		F-Par, partly propylized	532440, 617.2-618.0 ditto above (to 576.2) with ~25% F-Par relicts, cm-clm-size. Bx texture to 618.2. 1% diss'd po, 2-3% ox. <sup>in chloritic matrix</sup>	Bx texture	Magu Susc 0.35 .48 .17 .22
		Propylized F-Par?	532441, 618.2-620.2, ditto above mg-cg, subophitic matrix fep-amph-chlor -qtz rock. Accessory ox, trace py. Rare thin chl-c-v, ± trace py.		Magu Susc. 0.35 .32 .34
		F-Par, partly propylized	532442, 620.2-622.1 ditto above (to 576.2) Fep porphyry, permeated by 40-50% propylitic matrix patches. Relict bix texture, mm- c-chl-v. 1% sulph (po py) diss'd in chlor-biot areas: 0.5% diss'd po, trace cpy. Minor 1-3mm c-chl-v.	Bx texture	Magu Susc 0.16 .19 .33 .1

Magn Susc at 0.5-1 ft intervals

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F-Por, partly propylite	532443, 622.1-624.1 ditto above (to 576.2) F-Por permeated by 30-40% <sup>micro</sup> propylitic portions (623-624.1). Minor chl-c-v 622-623. 1x 3cm patch of cherty Qi-Por at 623.4 0.5% po, py mainly in chl-c-v and in chloric areas.	in part Bxia 40-60 TCA	Magn Susc .07 .22 .31 .32
		F-Por, partly propylite	532444, 624.1-626.7, ditto above (to 576.2) ~30-40% dark, propylitic matrix, cm <sup>dm</sup> size F-Por relicts and a few 1cm size patches of cherty Qi-Por. 1% po, py, 1-2% ox, diss'd in chlor-biotrich areas, 625-626 <sup>1-5mm</sup> chl-c-v, cutting F-Por, 60-70 TCA	Bxia texture	Magn Susc. 0.17 .26 .24 .1 .07
		F-Por.	532445, 626.7-631.2, ditto above (to 589.7) Massive, no propylite. 5-10% <sup>1-2mm</sup> biot-chlor patches. Minor kaolinitic biot-g-chl-v at 2-10c. intervals Trace to 0.5% po in veins and diss'd. Access. ox	45-75 TCA Sharp contact 25 TCA	Magn Susc 0.05 .04 .02 .07 .04 .04 .02 .01 0.01 No propylite. <sup>F-Por</sup> texture well developed
		Propylite F-Por?	532446, 631.2-635.0 ditto above (to...) Massive, homogeneous, subophitic mafic rock, with scatter blue qtz patches <sup>1-5mm</sup> (F-Por relicts?). Trace to 0.5% diss'd po, py, ox. 3mm x 10mm py cluster at 631.4		Magn. Susc .09 .23 .23 .2 .27 .29 .27 No Bxia texture
		F-Por, Qi-P (mixed zone C)	532447, 635-638.3 F-Por porphyry permeated by ~10% cm wide network of fg, darker Qi-Porphyry by minor sericitic joints/veins. Qi-Porphyry in places shows fine, parallel, mm-scale flow lines, and cm-clusters of diss'd <sup>garnet</sup> 1-3% epy. Dark fg Qi-Por richer in biot, chlor, po, epy as	<sup>veins</sup> in situ Bxia texture Flow lines in Qi-P.	Magn Susc 0.16 .09 0.1 .10 .12 .17 epy-clusters 635.3'



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532447 cont'd fine dissemin and mm-grained. Minor chl-c-v. F-Por seems to have grt eyes, i.e. F-Q-P.		Magn Suse at 1/2 - 1' interval Without extensive HF etching, it is difficult to assess the rel abundance of F-Por and Qi-Por matrix.
			po, epy finely dissemin and in discontinuous hairl. <sup>at cm spacing</sup> various in F-Q-Por or Qi-Por. Dissol po, epy assoc with mm chl-c-biot <sup>in places</sup> sp. Overall sulph abund, estim: po 2-3%, epy 1%-2%.		Unusually high abundance of dissol epy, and high epy/po ratio (= 1/2 to 1/3):
		F-Por, Qi-Por (Mixed, 'Zoned')	532448, 638.3 - 642.0, ditto above (to 638.3) In situ-bxia to 639.0, with 2% po, 1% epy in Qi-P matrix. 639-642.0 F-Por with ~ 5-10% cm Qi-Por areas, <sup>in places</sup> vague bx texture. F-Por cut by hairline biot- <u>chl-q-v</u> , with po, epy, <sup>hairline</sup> vein-inter- vals 0.5-2cm. Overall <sup>in F-Por</sup> po 0.5%, epy trace.		Magn Suse. 0.09 .11 .1 .12 .10 .11 .11 .12
		Mixed: F-Por, fg Qi-F-Por	532449, 642-643.3, ditto above (to 638.3) F-Por with 0.1' propylitized portion <sup>to 642.7</sup> 642.7-643.3 Qi-F-Por, <sup>fg</sup> vague in situ-replacement-bxia texture. Matrix ~20% dark, biot-po-rich. Some po-clusters 5mm. Overall sulph abundance: 0.5-1% po, trace epy.	Replacement Bxia texture	Magn. Suse 0.14 .33 .47
		Mixed: Q-F-Por, fg Qi-Por	532450, 643.3 - 646.3 ditto above (to 638.5) fg Qi-F-Por to 643.5; mg F-Por to 643.7, mg F-Q-Por - partly in-situ. Brecciated with 5% mm-cm fg Qi-Por matrix (+ sulph) 643.7-646.3. Sulph a) mainly in dark bx - in 5-10mm clusters of po Matrix, b) diss'd in F-Q-Por, c) in thin q-chl-c-veins. Minor ssciz-joints. Overall sulph: 1% po, trace epy.	Vague in-situ brecciation	Magn Suse 0.11 .17 0.09 .12 .15
			644.4 3cm fg mafic dyke; top, biot, chl-c, 50-60% A		Sulph clearly concentrated in veinages, fg, dark (biot, chl-c) Qi-Por matrix (5%) of in-situ bx.





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**Diamond Journal de  
Drilling forage au  
Log B. Q. diamant**

Complete this form and  
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Remplir en deux exemplaires la  
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Fill in on every page  
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chaque page

Hole No. Forage n°	Page No. Page n°
NV-02-04	1

Drilling Company Compagnie de forage <b>RONKOR DIAMOND DRILLING LTD.</b>		Collar Elevation Élévation du collier <b>1,281 ft.</b>	Bearing of hole from true North/Position du forage par rapport au nord vrai <b>330° AZ.</b>	Total Footage Avancement total du forage <b>650 Ft.</b>	Dip of Hole at Inclinaison du forage au Collar/collier   <b>-45°</b>	Address/Location where core stored Adresse/endroit où la carotte est stockée <b>KLONDIKE LODGE NORTHVILLE GOLD CORP. CORE STORAGE FACILITIES CHESTER TOWNSHIP</b>	Map Reference No. N° de référence sur la carte <b>NTS 41P/12 SW</b>	Claim No. N° de concession minière <b>PATENT S 20096 ANL S 19872</b>
Date Hole Started Date de commencement du forage <b>JULY 17, 2002</b>	Date Completed Date d'achèvement <b>JULY 18, 2002</b>	Date Logged Date d'inscription au journal <b>OCT 02 - OCT 30 2002</b>	Logged by Inscrit par <b>DR. PETER FISCHER</b>		330 FL/PI   <b>-45°</b>		Location (Twp, Lot, Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) <b>CHESTER TOWNSHIP 4 31262 E 5267540N UTM ZONE 17 NAD 83</b>	Property Name Nom de la propriété <b>YOUNG - SHANNON GOLD MINES</b>
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>NORTHVILLE GOLD CORP.</b>		Date Submitted Date de dépôt <b>FEB. 19, 2002</b>	Submitted by (Signature) Déposé par (signature) <b>P. Fischer</b>		650 FL/PI   <b>-45°</b>			
					FL/PI			
					FL/PI			



41P12SW2013 2.24998 CHESTER

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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
0	3.0	OB	Overburden		
3.0	7.1	Qi-Porphyr Gneiss (Zone A')	Quartz-eye porphyry Gneiss, Main mass, 'Zone A'. Color light grey. 0.5-2mm size roundish qtz eyes in variable amount of sericite matrix. Generally massive, in places weak fabric. Accessorites in variable abundances: chlor (blackish to emerald green), py, po, tourmaline. Traces: epy, sphal. Variable veining. Data's recorded for each sample interval		
		Qi-Por Gneiss, 'A'	N532453, 3.0-4.0', ditto above. Qtz eyes in approx 30% seric matrix. ~3% f-2mm chlor grains; accessory tourmaline, locally (3cm area) forming a cluster of ~3-5%. Dotted 1% sulphide, 0.2-1mm spots; po (py), trace epy	Massive, no fabric No veining.	Magn. Susc. 0.02 .03
		Qi-Por Gneiss, 'A'	532454, 4.0-5.8, ditto above (to 4.0), with more sulph: Overall, estimated: 3-5%, po, py, trace epy. As a) large massive patch, 2x6cm, at 4.7-4.9'. b) scatt'd 1-5mm clusters assoc'd with chlor c) assoc'd with q-v. Trace tourmal.		Magn Susc. 0.04 .06 .14 .04
		Qi-Por Gneiss, 'A'	532455, 5.8-9.7, ditto above (to 4.0), with less sulph: 0.5-1% po, py dissemin'd, unbedded	1cm xl-Q-cv @ 6.6', 85%T	Magn Susc. 0.1 .04 .02 .15 .03 .01

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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	Magn Susc at 1/2-1' intervals	COMMENTS
			532455 cont'd = specks + clusters, 0.1-2 mm. Trace tourmal, chlorite Rare calcic py, Trace epy. Sulph-granules and -clusters evenly dissd, at ~ 1cm intervals.			
		Qi-Por Greisen 'A'	532456, 9.7-10.5, ditto above (to 4.0), with slightly higher sulph abundance: 1-2% pp(py) as g) large (up to 2 mm) 'diss' clusters, associated with chlor. 6' dissd. 1-1mm epy. Trace tourmal		Magn Susc	0.02 .13 .11
		Qi-Por Greisen 'A'	532457, 10.5-15.0, ditto above (to 4.0) Estimated 1% po, 0.5% py, trace epy as a) large clusters, with chlor, b) fine, anhedral specks, c) 'rare' q-c-chl veinlets. Accessory tourmaline (0.5%), Sericite matrix ~ 40% estm.	Rare ≤ 1mm c-dk-q-v. ± po, py @ 12.3', 20 TCT and 65 TCT	Magn Susc	0.1 .08 .04 .19 .12 .01
		Qi-Por Greisen 'A'	532458, 15.0-19.5, ditto above (to 4.0) Seric matrix ~ 40% <sup>(variable!)</sup> Sulph ~ 1%, mainly py, minor po, trace epy. py mostly as clusters rare calcic. Accessory tourmal. Variations in distribution of seric matrix (30-60%); and <sup>clust</sup> sulph. Generally, sulph grains (0.1-1mm) spaced 5-10mm from each other.	Rare 1-5 mm q-c-seric-vein with py, po	Magn Susc	0.09 .07 .01 .14 .08 .07
		Qi-Por + q-v.	532459, 19.5-20.0, ditto above, with 4cm vegy limonitic qtz-vein, with minor chlor, tourmal, Seric at vein margins. Qtz etc in part euhedral, 3-5mm in size			py + xz LIFE LIFE LIFE po overgrown by py
		Qi-Por Greisen 'A'	532460, 20.0-23.2, ditto above (to 4.0) ~ 1% dissd py, minor po. Sulph grains at ≤ 10mm intervals. 22.5-23.2 1cm		Magn Susc	0.11 .09 .06 .05 .04 .04



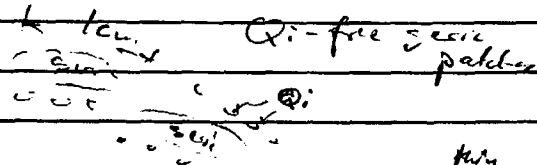
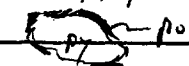
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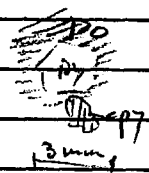
Magn Susc at 1/2 - 1' interval.

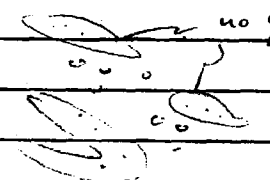
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532460 cont'd py(po) clusters. In places (rare) po overgrowing py. Accessory tourmal.		
		Qi - Par (Grisson 'A')	532461, 23.2 - 27.5 ditto above (to 4.0) Sulph ~ 0.5%, mostly py, minor po, Sulph distribution variable: locally 1-2%, pon. $\leq$ 0.5% Trace tourmal.		Magn. Susc 0.14 .05 .05 .03 0.01 Rare po overgrowing py grains
		Qi - Par (Grisson 'A')	532462, 27.5 - 31.1 ditto above (to 4.0) No chlor in matrix, only gr-eyes in ~50% seric matrix. Trace tourmal, ~1-2% py, trace po, as scatt'd 2-10 mm clusters. Spacing of sulph grains/clusters: 1-5 cm. 30-31.1 po > py		No more Magn. Susc. measure- ments possible: Instrument mal-functioning (only 0.00!)
		Qi - Par (Grisson 'A')	532463, 31.1 - 35.0 ditto above (to 31.1) ~1% chlor in matrix <sup>and with py clusters</sup> Trace tourmal. ~1% sulph, po, py ~2%, as 1-5 mm clusters of vfg grains. Trace epy. Spacing of 0.1-0.5 mm sulph grains $\geq$ 10 mm		END OF MAGN. SUSC! DATA!
		Qi - Par (Grisson 'A')	532464, 35.0 - 37.8, ditto above (to 35.0) Trace chlor in seric matrix. ~1-2% py, trace po, epy, as 1-3 mm clusters, assoc'd with chlor. Trace tourmal.		
		Qi - Par (Grisson 'A')	532465, 37.8 - 39.4 ditto above No chlor in seric matrix. Rare trace tourmal. ~1% py(po) as specks and scatt'd 1-3 mm clusters.		
		Qi - Par (Grisson 'A')	532466, 39.4 - 40.4 ditto above with 3-5% py, (py) as cm <sup>size</sup> patches = 39.5 - 39.6, assoc'd	vert? 40 TCA	

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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			with grt, seric (carb).		
		Qi - Por Gneiss 'A'	532467, 40.4 - 45.0 ditto above (to 35') No matrix chlor. Seric matrix 40-50% Trace tourmal. 0.5-1% py, trace po, as a) scatt'd specks + small clusters, b) rare large (2 x 20mm) linear stringers. Po gen. as v. small specks. Spacing of sulph grains ≤ 1cm	Weak fabric in seric matrix, ~ 45 TCA Limonitic 2cm zone, 50 TCA, 44.5'	locally, 5cm areas with 60-70% seric matrix
		Qi - Por Gneiss 'A'	532468, 45.0 - 46.8 ditto above (to 35'). No matrix chlor. Tourmal, dissd, trace to 0.5%. 1-2% py (po) a) dissd specks, small clusters c) some linear stringers, c) rare large sievey clusters, 5-10mm size.		Some 1-2cm areas with few grt eyes, ~ 60-70% seric matrix
		Qi - Por Gneiss 'A'	532469, 46.8 - 52.7 ditto above (to 35'). Accessory tourmal. 2-3% py, minor po, trace ep7. as a) <sup>widely</sup> scatt'd cm-size patches, b) finely dissd specks, A few 0.5-1cm patches without grt-eyes. 50.7 - 52.7' use py: 0.5-1% py	Weak orientation of sulph grains and seric: ~ 50-60 TCA	<p>← 1cm Qi-free seric patches</p>  <p>At 50.7' 1cm py grains overgrown by po rim</p> 
		Qi - Por Gneiss	532470, 52.7 - 54.1 ditto above (to 35') Tourmaline almost nil, only trace. Py 3-4%, po trace, ep7 trace, mainly as widely scatt'd 5-15mm clusters.		NO matrix chlor. A few cm size, Qi-free seric patches
		Qi - Por Gneiss 'A'	532471, 54.1 - 56.0 ditto above (to 54.1): No matrix chlor; seric matrix ~ 50%, tourmal almost nil; Py 2-3% as mostly large clusters	weak fabric/matrix, sulph 40-50 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			3-15 mm, minor diss'd specks. Trace po		
		Qi - Por	532472, 56.0 - 60.0, ditto above (to 54.1)		
		Gneiss 'A'	No matrix chlos. Tensural trace. Py ~ 0.5%, po <sup>0.5%</sup> , cpy trace, mainly as diss'd specks, rare linear stringers.	1 cm discontinuous carb vein, 25 TCA.	
		Qi - Por	532473, 60.0 - 62.1, ditto above (to 54.1)		
		Gneiss	Tensural trace - 0.5%. Nodules. Py ~ 1%, po ~ 0.2-0.5% as diss'd specks and small clusters, 0.1 - 3 mm At 60.1: 5 mm Q-muscovit-chlor-po(cpy) vein Trace cpy in vein and within lens of vein in host rock. Muscovit in matrix in part coarser: 0.1 - 0.5 mm.	Weak orientation of py clusters 45-55 TCA 45 TCA Sharp lower contact 50 TCA	
		Qtz-vein	532474, 62.1 - 63.2. Qtz vein. Coars quartz, almost mono-mineralic. Trace carb, seric sulph near lower contact. Sulph: Large (5 x 10 mm) sulph patch, po, py, cpy. Cpy, po also in host. Fractures in c g qtz. Overall: py, po < 1%, cpy trace.	Sharp lower contact 35 TCA.	po overgrown s py at contact q-v / host rock 
		Qi - Por	532475, 63.2 - 67.1, ditto above (to 54.1)		
		Gneiss	Tensural ~ 1%, 1. clusters and diss'd Py trace, po ~ 0.5% cpy trace, as a) diss'd, b) as linear stringers (po, cpy), c) small patches, with chlos.		
		Qi - Por	532476, 67.1 - 69.0, ditto above (to 54.1)		
		Gneiss	Tensural mid-trace. Py + po ~ 0.5%, cpy trace <sup>to 0.1%</sup> as a) rare 1-5 mm patches, b) fine diss'd specks	Weak matrix fabric ~ 45 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Por	532477, 69.0-72.0' ditto above (to 54.1)		
		Greisen 'A'	Tourmal trace. Py 0.5%, py 0.1%, epy trace, a) dissem., b) entrapped linear stringers, c) in discontin. 2 mm gv.		ASD matrix chlorite Muscov of matrix rd coarse (0.1-0.5mm)
		Qi-Por	532478, 72-75.0' ditto above (to 54.1)		
		Greisen 'A'	Tourmal trace to mil. Py 0.5-1%, po trace - 0.5%, a) dissem., b) as 1-5mm zircon clusters, c) 1-2 cubes.		Scatt'd cm patches without gte eyes (~5%) 
		Qi-Por	532479, 75.0-80.0 ditto above (to 54.1). Tourmal trace - 0.5%, Py 1-2%, po 0.5% as a) 0.5-2mm cubes, b) fine dissem., c) linear stringers	weak fabric: orient of sulph (py) linear stringers	
		Greisen 'A'	Sulph distrib. inhomogen: <sup>phenom</sup> py 75-77, predom. po 77-79, as widely spaced 2-10 mm clusters, with accessory epy. Tourmal - rich clusters (~3%) 5cm, at 79.0.	45-50 TCA	
		Qi-Por	532480, 80.0-85.0 ditto above (to 54.1). Tourmal trace, Py 1-2% as a) cubes 0.5-2mm, b) fine dissem., anhydral, c) <sup>30-30mm</sup> linear stringers + muscov	weak fabric in ore matrix, 45-50 TCA	
		Greisen 'A'	No matrix-chlor. trace cut bands without gte eyes.		Some poorly outlined/defined, 5cm size, high matrix areas, with 10-20% gte eyes only (~80-90% matrix)
		Qi-Por	532481, 85.0-87.5 ditto above (to 85.0)		
		Greisen 'A'	Ass Tourmal ~0.5%, dissem. Py 2-3%, as a) cubes + clusters, b) fine dissem., Py distrib. inhomogeneous: 2-3% to 86.3, < 0.5% py 86.3-87.5. Po trace, dissem., epy trace with po. 86.3-86.6 two 3cm muscov. - gte <sup>chrt</sup> tourmal. veins - 70 TCA, with 2mm patches of po + epy.	3cm x 1g-c-v, 70 TCA, at 87.2'	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Por Greisen 'A'	532482, 87.5-91.9, ditto above (to 85.0) Accessory tonal, 0.5-1%. Seric matrix ~50%, in part coarse muscov. (0.1-0.5 mm:). 89.5-90.0 network of dark seric-chlor - fractures, crossing, at 1cm spacing. Py ~0.5%, po ~0.5%, mostly fine dissem, rarely large (1mm) grains. At 88.5' 1cm py-q- muscov vein, to TCA. Trace epq	Three 1-2 cm x L-Q (c) (po, py) veins 45 and 60 TCA.	Pol/py ~ 2:1
		Qi-Por Greisen 'A'	532483, 91.9-95.0, ditto above (to 85.0). Tonalite trace ~0.5%. Py ~1% as a) fine dissem, b) <sup>oriented</sup> sievey clusters, c) rare cubes. Po ~0.5%, as fine dissem, rare large grains, with trace High seric matrix: ~50%. Density of small sulph grains: At ~10mm	Rare 2-4 mm bedded q-py-v. 65 to TCA Katak fabric: seric linear py-stringers ~60 TCA	No chlor in matrix Pol/py ~ 2:1 with minor variations, small py, po grains are ± evenly dissem'd at ~5-10 mm spacing
		Qi-Por Greisen 'A'	532484, 95.0-97.4, ditto above (to 85.0) Tonalite nil to trace. Three 5 mm bedded q-muscovite-py (po) veins, 30 TCA. Py 1-2% as a) large (0.5-2mm) cubes, b) in q-v, c) fine dissem d) linear stringers. Po trace, dissem.		pol/py 1:10 & 1:20 No tonalite no matrix chlor.
		Qi-Por Greisen 'A'	532485, 97.4-100.0, ditto above (to 85.0) High seric matrix (50-70%?) in places. Tonalite nil to trace. Py and po, each trace to 0.5%, all fine dissem, 0.1-1mm grain size. Py also as rare cubes (.5-1mm) and in one 1mm q-v, as rare 2 x 4 mm grains		pol/py ~ 1:3 no matrix chlor. Density of <sup>small</sup> sulph grains: ~10mm interval

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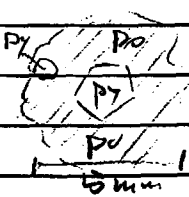
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Por	532486, 100.0 - 102.5, ditto above (to 85.0)		
		Greisen 'A'	High seric matrix (50-60%), 102 - 102.5' 20% 0.5 - 3cm wide, anastomosing dykelets of feldspar Qi-Por. Tonalite trace. Py 2-3% as matrix = 1) large grains, clusters (1-5mm) near fr. Qi-Por dykelets, 2) fine dissemin., 3) linear stringers, Po trace, dissemin.		fg. Qi-Por dykelets Trace tonalite Po/py ~ 1:20 + 1:50
		Qi-Por	532487, 102.5 - 105.0, ditto above (to 85.0)	weak fabric, etc.	High tonalite 1-2%
		Greisen 'A'	Tonalite 1-2% in upper half, Py 0.5-1% as a) c.g. vein patches 104.3-105.0: c-musc-clf-g -py-po, with high-gr halo 2cm. b) py as rare cubes, clusters, low density of sulphide grains: 2-4 cm grain spacing. Trace py dissemin.	~50 TCA	High seric matrix, 50-60%
		Qi-Por	532488, 105 - 110.0, ditto above (to 85.0)		High tonalite 1-2%, to 108'
		Greisen 'A'	High seric matrix. Some 2 x 10 cm irreg. clasts. High matrix, fg. Qi-Por? areas. Tonalite 1-2% 2 cm, poorly defined Xl-Q-c-muscov-py-po-vein 108-109' ~ 10% poorly defined. high matrix, fg. Qi-Por patches/dykes with feldspar matrix, low nit. sericite. 1-2% py, dissemin., as clusters, to 108', trace 108-110'. Po trace.		Possibly tonalite abundance related to py abundance?
		Qi-Por	532489, 110 - 112.0, ditto above (to 85.0)		
		Greisen 'A'	with 4 cm Q-c-po-py-vein at 111.3', and dissemin., 5mm q-muscov. veins 110.5-111.0 high-gr / low seric matrix Qi-Por. 2 large (10mm) po-py patches. Accessory tonalite (0.5%) and 1% py	50 TCA	

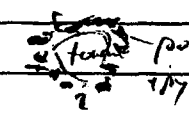
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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532489 cont'd dissem. 111.5-112.0 Overall py + py ~ 2%		py/py ~ 1:1
		Qtz - Por Greisen 'X'	532490, 112-115.0, ditto above (to 85') 112.4-112.9 30% irreg., anastomizing dykelets of fg cherty Qtz - P host, 'stopped-off' clasts of cgs Greisen. 112.3-112.4' 1-2 cm XL - Q - L - muscov - vein. Greisen: Tourmal. trace, high seric matrix 40-50%, ~1% py, dissem. trace po. At 113.6' fg zoned inclusion, 1 x 4 cm: no gte eyes, high seric, core high in chlor + py.		
		Qtz - Por Greisen 'A'	532491, 115-119.8, ditto above (to 85.0) Tourmal <sup>nick</sup> trace. Py trace - 0.5% as scatt'd 0.5-2 mm grains + clasts, assoc'd with light green chlor. At 118.7' 3 cm size roundish patch with ~40% py, 10% seric, <sup>matrix</sup> gte. 118.7-119.0' irreg. patch of cherty, fg Qtz - P matrix (dyke), poorly defined	Sharp <sup>lower</sup> contact 25° TCA	Matrix 40-50% seric, <u>no</u> chlor.
		Qtz - Diorite	532492, 119.8-125.0, medium-grained intermed. fg-chlor-gte rock. Diffuse <sup>porphyry</sup> (sericophytic) texture, massive, weak fabric 40-50° TCA. Trace py as scatt'd euhedral 1-3 mm grains		Commonly Fsp. phxts, boxy, euhedral?
		Qtz - Diorite	532493, 125-128.7, ditto above (to 125.0)	weak banding 20° TCA at 120.0. Sharp lower contact 30° TCA	
		Qtz - Por Greisen 'A'	532494, 128.7-135.0, ditto above (to 85.0) No tourmaline. <sup>to 133.5</sup> Low seric - matrix ~ 30%. Py 0.5-1% as widely scatt'd 2-10 mm chl-py patches, <sup>not</sup> dissem'd py to 133.5. Trace dissem'd po		Tourmal nit to 133.5 trace 133.5 - 135

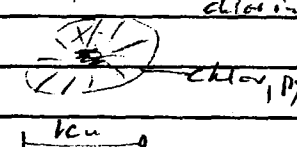
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			and py 133.5 - 135.0. ~ 20% irreg patches (cm) of fg cherty Qi-Por, (no low sects, low Qi) 132-133.0, Several 1-2 cm 'blobby' py megacrysts, 130.7 - 131.1		
		Qi-Por Greson (sf. Qi-P)	532495, 135-138.0, ditto above (to 85.0) with ~10% 1-5 cm, irreg, anastomosing, poorly defined patches of fg - Qi-P, with less Qi, higher fg matrix; in places with flow-fabric. Tourmal, abund. accessory (~1%), Po trace to 0.5%, fg dis'd, py trace, cpy trace. Rare 1 to 3 mm po (cpy) grains/clusters	Two 5 mm X 1-2-c-pc-v 50 TCA, Qi-Por Flow fabric - 20-45 TCA	Pol/py ~ 20:1
		Qi-Por Greson	532496, 138.0-141.8, ditto above (to 138.0) with ~10% poorly defined patches of fg Qi-P. No tourmal and no fg dis'd po 138.0-139.6, only two large (5-25 mm) py-clusters. 139.6-141.8 accessory tourmal in Greson with coarse (0.1-0.5 mm) matrix - muscovite. and ~1% dis'd po (trace cpy) in matrix. Fg Qi-P patches free of tourmal and dis'd po Scat'd large (1-10 mm) clusters of py (po) Total estim'd sulph: py 2%, po 0.5%, cpy 1%. Rare 1-2 mm, discorbin, lundined q-v.	Flow-fabric in fg Qi-Por matrix of 141.0'	Tourmaline seems to be related to fg dis'd po in matrix, Tourmal <u>not</u> in fg Qi-P. cpy py stringers appear to be unrelated to matrix po and tourmal
		Qi-Por Greson	532497, 141.8-144.6, ditto above (143.0) 143-144' ~ 20% patches + 'fingers' of fg Qi-Por Tourmal trace, in cpy Greson: Py 3-5% <small>mainly less</small>		fg Qi-Por <u>no</u> tourmal, trace po



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			scatt'd large clusters (2-5mm) <sup>and with q-v</sup> Po trace to 0.5% fg dissem'd. 1cm xl-q-c-v at 141.8', 5mm banded q-py-vc at 142.3', 25 TCA and 144.0		
		Qi-Por Greisen 'A'	532498, 144.6-147.2, ditto above. ~10% patches of fg Qi-Por. Tourmal. trace Py 2-3% as a) scatt'd large grains/clusters c) 1/2" fg dissem'd. Po 0.5-1%, fg dissem'd and 1mm clusters. No sulph. growth in fg Qi-Por patches. Trace ep (with pu)		po/py ~ 1:3
		Qi-Por Greisen 'A'	532499, 147.2-151.4, ditto above (to 138w) Tourmal. trace. po ~ 1-2% as fine dissem. and with py in large grains/clusters assoc'd with q-v. Py 2-3% only in large linear clusters assoc'd with poorly defined q-v.	Several discontin., poorly defined q-(muscov)-py-pu veins, 20-65 TCA	po/py ~ 1:3
		Qi-Por <sup>Greisen</sup> + q.v.	532500, 151.4-154.0, ditto above permeated by ~30% irregular, anastomosing 1cm-5cm Qtz veins. Poorly defined, no clear borders to host rock (qtz-flooding?). Tourmal. trace. Po ~1% dissem'd and assoc'd with q-c-v. Po overgrowing py in one large grain Qtz-vc and xl-q-c(musc)-pu veins irregular outlines, ~30%.	Q-c-v approx 15-40 TCA	Po overgrowing py 
		Qi-Por Greisen	532501, 154.0-157.2 ditto above. Tourmal. trace. Po trace to 0.5% dissem'd		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532501 cont'd and rare 2-5mm po-py clusters. Py ~ 0.5%, in rare large clusters In part 'high matrix': ~ 50-60% seric matrix Seric in part ep, 'sparkling' 0.1-0.5 mm. One <sup>big</sup> inclusion, 5x20 mm, without gtz eyes: fg muscov, gtz 5-10% py (solid!)		po/py ~ 1:1
		Qi - Por Gneiss	532502, 157.2 - 160.2, ditto above Tourmal. trace. Several tourmal xls seen overgrown by po, py. ~ 1% py, 1% po, trace to 0.1% cpy, as a) fine dissem, b) scatted 1-3 mm grains/clusters of po, py (cpy).	Three 0.5-1 cm <sup>XL</sup> q-c-v (± po, py), 50-70 TCA.	tourmaline overgrown by po, py 
		Qi - Por Gneiss	532503, 160.2 - 164.4, ditto above Tourmal. trace. Large seric patches, several 1-1/2 cm XL q-c-v in part with po, py. <sup>overall</sup> Py ~ 5%, mainly as a) large clusters and b) as acid with q-c-veins, c) fine dissem. Po ~ 2% a) as large grains/patches, b) fine dissem. c) in <sup>this</sup> po-muscov-tourmal. veins Some py-tourmal clusters. ~ 5-10% mm to 4 cm XL q-c-(± py/po) veins ~ 40-60 TCA. At 163.8-164.0, 4 cm XL q-c-py vein, with 4 cm <sup>cg</sup> py-po clusters.	weak fabric ~ 40 TCA	po/py ~ 1:5 to 1:10 Distrib of dissd py str. variable Variation in <sup>seric</sup> matrix / Qi. Some high matrix portions (60-70% matrix)
		Qi - Por Gneiss	532504, 164.4 - 168.7, ditto above <sup>seric</sup> Matrix fg, 40-60%. Tourmal trace. Po trace to 0.5%, dissd and with py in large grains		

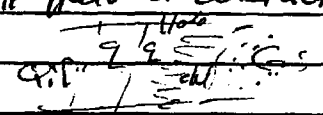
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532504 cont'd Py ~ 1%, as scatt'd 0.5-2 mm grains, b) in discontin. xl-q-c-muscov. veins.		
		Qi-Por Greisen	532505, 168.7-170.9 ditto above Tourmal. trace, Py 0.5-1%, as a) in q-c-v, b) diss'd grains (0.1-2 mm). Po trace, diss'd, epy trace. Rare q-c-py veins, cl-5 mm	at 175' 20' TCA and 70' at 168.7	po/py ~ 1:10 Po on py
		Qi-Por Greisen	532506, 170.9-172.5, ditto above High silic matrix (60%). Tourmal trace, 1-10 mm xl-q-c-musc-chlor-py veins, discontin. veins 10-45 TCA Abundant (patchy) at 3-5 cm intervals Sulph. mainly in veins, minor diss'd: py. Overall py 2-3%, po 0.5%, epy trace. Two 1 cm py-po clusters in eq q-c-musc-chlor vein patches. Po on py.		in vein: po on py po/py ~ 1:4
		Qi-Por Greisen	532507, 172.5-175.0, ditto above. 172.5-172.8 5 cm band of fg. high-matrix Qi-Por. Tourmaline trace Py ~ 0.5%, Po trace 0.5%, epy trace, finely diss'd. Minor veining	Rare veins: <1 mm muscov-c-q (±py) ~ 10 TCA. Discontinuous 1-3 mm q-c-chl-py.	veinlets
		Qi-Por Greisen	532508, 175-180.0 ditto above Tourmal. accessory (400-0.5%). Sulphides fg. diss'd minerals in veins: Py ~ 0.5%, po trace - - - assoc'd with emerald green chlor. grains Rare 1-4 mm py grains assoc'd with discontin. q-v ~ 177'. <1 mm tourmal-q-py-vein at 175.9.	1-3 mm q-v, 10-30 TCA 176.5-177.5' Matrix has weak fabric ~ 45 TCA	Density of small sulph. grains: commonly (~ 10-20 mm spacing) Size of sulph. grains 0.1-1 mm Rare 2-4 mm py grains/clusters po/py ~ 1:10
		Qi-Por Greisen	532509, 180-185.0, ditto above		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Greisen	532509 cont'd Tourmaline vein to <sup>182.5</sup> trace. Sulph 0.5-1% py, trace po, mainly as widely scatt'd large grains <sup>clusters</sup> assoc'd with q-c- <sup>±</sup> musc-veins, only trace <sup>to</sup> diss'd. 1cm xl-Q-c-py/dil v. 60 TCA at 182.5.	181-183': <1 to 3mm cv stock work, 6cm spacing, 10-30 TCA. Younger than chc-c-q-py veins. Several chalcite fract + slickens. 30' to 60 TCA.	
		Qi-Por Greisen	532510, 185-187.7 ditto above. Tourmaline ~0.5%, diss'd. Sulph: 2-5% py, trace po, as mainly vein-related large clusters (1-10mm), minor fine dissemin. Veining unimodal: discont... q-c-py	Weak fabric; matrix and orientation of sulph grains. ~40-50 TCA 50-80 TCA.	
		Qi-Por Greisen (Mixed)	532511, 187.7-190.0 ditto above Tourmaline <sup>trace</sup> w/trace (only to 188.5). As Qi-Por Greisen permeated by ~20cm size, irreg, quartzizing patches / fingers of: fg Qi-Por (low/no muscov matrix), Sulph mainly as few large <sup>(3-30mm)</sup> py patches minor <sup>to</sup> dissemin... Total est. sulph: 2-5% py, trace po, cp7.	One 3mm q-c-py-po(po) vein, 70 TCA	po/py ~ 1/10 - 1/50
		Qi-Por Greisen (Mixed)	532512, 190-192.8 ditto above Tourmaline trace. 5-10% cm size patches of fg Qi-Por. Sulph: 2-5% py, trace po, as a) large patches (2-10mm), b) assoc'd w q-c-dil v c) diss'd.	One 10mm q-c-py vein, 45 TCA 3x1-3mm (condensed) q(c,py)v. ~30 TCA - 45 TCA	Radially arranged xl <sup>1/2</sup> chalcite, py dissemin. <sup>Usg?</sup> 
		Qi-Por Greisen	532513, 192.8-195.0 ditto above Tourmaline trace. Qtz eyes bi-modal: some large equant ones (Qi). Sulph ~0.5%, py, po, & fg	Matrix has weak fabric Qtz, discont... 10-30 TCA muscov joints 10-30 TCA	po/py ~ 1:1 bi-modal cu

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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			diss'd. Rare 1-3 mm clusters. Trace opy Minor py in 2 mm q-c, 70 TCA, + trace molyb- denite		MoS <sub>2</sub> in q-c-v, with py
		Qi - Pol Gneiss	532514, 195. - 198.4, ditto above Tourmal trace. Po + py 0.5-1%, finely diss'd, opy trace. Rare q-c-v. Rare linear sulph stringers	weak fabric - 40 TCA	po/py ~ 1:1 to 2:1
			532515, 198.4 - 200.0 ditto above 198.4-199.0 fg <sup>ms</sup> in med. inclusion, not Qip. f-p-gte-chlor + 16 diss'd py. Sharp contacts to Qi-Pol, 45 TCA		
			199-200.0 : Qi-Pol, ditto above. <sup>diss'd</sup> No tourmaline 1 cm x 1-q-c-py-chlor-vein, 40 TCA. 2 mm py-chl-tourmal-vein 30 TCA. Total py 2-4%. Minor fg diss'd py, trace po.		No tourmaline diss'd
		Qi - Pol Gneiss	532516, 200.0 - 202.2, ditto above Tourmal. nil to trace, Py ~ 16, diss'd. po ~ 0.5%, diss'd. Several 2-4 mm banded discontin. q-v + py, as linear stringers, 1-3 mm. 101.5 - 202.2 accessory tourmaline and trace - 0.5% po (no py)	q-v 20-40 TCA	No tourmal po/py ~ 1:2 = po/py ~ 5:1
		Qi - Pol Gneiss	532517, 202.2 - 203.0, ditto above, with two q-c-molybdenite-veins (5mm, 2mm) - 75 TCA. MoS <sub>2</sub> occurs as 5 grains, 1x3 to 1x6 mm, in gte Qi-Pol has trace tourmal, trace diss'd po, no py		Mo po/py ~ 5/1 to 10/1

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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Pol Greisen	532518, 203-205.9 ditto above Tourmal. trace. Po and py of dist'd. < 0.5% Most sulph is ~1-2% py assoc'd with 1-5mm qtz-muscov. vein, 25 TCA. < 0.5% po, dist'd Trace molybdenite <sup>1%</sup> in 10mm q-v, 75 TCA at 205.3'	XL q-c-v 60TCA at 204.3	po/py ~ 1:2 dist'd Mo in q-v
		Qi-Pol Greisen	532519, 205.9-208.1 ditto above Tourmal trace. Sulph ~ 0.5-1%, py + po ~ 1:1 a) dissemin. b) py in <sup>XL</sup> q-c-py-MoS <sub>2</sub> -vein. at 206.5. MoS <sub>2</sub> in 10mm vein ~ 3-5% as 1-3mm grains. Qi-Pol has ~ 2-3% chlor in matrix	75 TCA	po/py ~ 1:1 Mo in q-c-py-v. Interval between two q-Mo-veins 1-2 ft
		Qi-Pol Greisen	532520, 208.1-212.3 ditto above No dist'd tourmal. only in a q-c-ell-tourmal-vein. ~1% <sup>(no po)</sup> py mainly assoc'd with <sup>1-3mm</sup> q-c-veins 20-30cm spacing, minor as dissemin. 5cm contact zone at lower contact: thin qtz + chlor no seric, no qtz-eyes, i.e. not porphy's <sup>1%</sup> halo?	q-c-py veins 30 cm 170TCA Sharp transition to following at ~ 70 TCA	No dist'd tourmaline, only in vein no po qtz-halo at contact to greenstone
		Greenstone	532521, 212.3-216.1, Foliated mafic, mag. chlor-fsp rock. 1% py in 1cm q-c-py stringers parallel to foliation, at 213'. Vague 1-3mm relief texture. Gradation to following over 30cm, part of next interval	Schistosity 60TCA @ 212.5 " 20 TCA @ 213' " 60 @ 215'	qtz-halo at contact to greenstone 
		Mixed: Greenstone and Qi-P	532522, 216.1-218.2. Mixed Zone: fg qtz-eye porphyry with ~ 40-50% cm-dm size mafic inclusions, mineralized with ~1-2% dist'd	Pzite	1

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532522 cont'd po, py, 0.5% cp7. ~1% diss'd py also in Qtz-Por. Trace ox. Minor c-chl - py po - cp7 - veining, in Qtz-Por		
		Qtz-fsp-Por mg	532523, 218.2-222.0 mg-Qtz-fsp-py-phyl-sy -0.5 - 2mm vertically shaped Qtz eyes (round, embayed, equant fsp phxts, <sup>and small in 70%</sup> matrix of seric, fsp, minor chlo. ~1% py, trace po, cp7, as a) disson b) in veins (1-3mm q-muscov (tourmal -chlo-py). Trace diss'd ox. Muscovite-joints and anastomosing network of cm - intervals. Fine grained (0.1-0.5mm) py, po in seric. joints and network.	c-chl-v, cl-2mm, 30-50 Tct, cl 1-5cm spacing	(30-50% seric seric-vein, 'Grisson' patches/ stringers at ~10cm intervals
		Qtz-fsp-Por	532524, 222.0-226.2 ditto above (to 222.0) mg Qtz-fsp-Por <sup>(small Qtz eyes)</sup> permeated by a) sericitic/Grisson patches and b) by chlo patches. Minor diss'd 1% po, trace py, cp7, mainly in chlo patches, seric. Hairline c-v, c-chl-v, at ~1cm spacing ~10% cm patches of lt gray, fs Qtz-Por.	(c, chl, seric-v) Intense/haired veining, 4-6cm intervals, in part crossing, 30 to 60 Tct.	Apparent partial a) propylitization: chlo + po/cp7 b) Greenschist po mainly in chlo patches and patches.
		Qtz-fsp-Por	532525, 226.2-230.0, ditto above (to 222.0) Qtz-eyes small, <sup>copy</sup> fsp phxts 0.5-2mm. less sulph, less veining, ~0.5% py <sup>0.5%</sup> po, both in hair. chl-c-v and diss'd	1-3mm c(chl)-v at 2-5cm intervals 20-60 Tct.	
		Greenstone Inclusion.	532526, 230-230.7. Fine grained mafic inclusion in Qtz-fsp-Por, with ~2% interding patches of Qtz-fsp-Por, and a 1cm x 1 q-c-vein. ~2% po, 0.5% py, trace cp7 mainly	q-c-v 35 Tct, enclosing mafic clasts.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532526 in mafic inclusion. 1 <sup>3</sup> in cv.		
		Qi-Fsp-Por	532527, 230.7 - 233.5, ditto above (to 222')	vein orientation fairly random	
			Dispersed muscov/seric (5cm areas), common seric. joints at $\leq 1$ cm spacing, common, hard. to 5mm cv, c-seric-dbl v, + po at 1-5cm spacing. ~1% po, trace py, ep, mainly in thin veins and dissec. Matrix chlor ~ 5%	from DTCL to 70TCL, crossi.	
		Qi-Fsp-Por	532528, 233.5 - 236.5, ditto above (to 222')		
			Rare dispersed muscov/seric and seric joints common. barren cv, at 1-3cm interv. At 234.9, a 3cm white, stg, cherty Fsp-por. dyle		
		Agixed Qi-Por mg	Trace po, py in hard veins and as dissec. 532529, 236.5 - 238.3, ditto above (to 222')		
		ff Qi-Por	Qi-Fsp-Por sharply grading to Qi-Por-Grisolite at 236.7: Qi-Por, with ~20-30% seric matrix. with ~1-3% po, trace ep, as dissec (1-2cm clusters)		po/py ~ 5:1
			237.4 - 237.9, cm-wide of cherty Qi-Por dyles intercalated with cv - mafic chlor + carb. solution with ~1% diss'd po. Sharp contacts. Overall po abundance esti... ~1%, ep, trace.	~ 40° TCA	
		Qi-Por	238.0 - 238.3 of gtr eyes + 10-20% seric matrix.		
		mg Qi-Por	532530, 238.3 - 241.3, ditto above (to 238.3) mg Qi-porphyr. Matrix with ~5% chlor, ~5% seric, dispersed and in joints (2-3cm spacing. ~0.5% po, trace py, ep, diss'd and et in thin chl-c-v, c) in cm chlor-ink patches		po/py ~ 5:1 No fsp phxts



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-F-Por	532531, 241.3 - 243.0, ditto above (to 222) At eyes rare, small. Top phnts 0.5-1mm, common. cm areas of fg, cherty Qi-Por. 3cm area of 70% fg chert, assoc'd with fg cherty Qip and 5-10mm py clusters. Overall py d = 2%. Trace po		po/py ~ 1:50
		Qi-F-Por	532532, 243.0 - 246.9, ditto above (to 243) ~5% cm areas of fg cherty Qi-P. Rare kaistone c-v, chl-c-v. Rare traces of diss'd py, po Matrix chert specks ~ 5%. Trace ep, py in q-v	At 244.0 4cm <sup>70% chert</sup> q-v with trace ep	Unusually rare veins and diss'd sulph specks.
		Mixed Qi-Por, mg fg cherty	532533, 246.9 - 251.1 Mixed assemblage of 3 (three) generations of Qi-Por: a) mg-cg, 15% = gran. ~ 10-20% relict. b) predominant fg + diss'd chert, buff color, c) cherty Qi-Por with white, as ~ 5% mm to 2cm dykelets, in places with trace ep at dike outline, Trace sulph, po, py, ep mainly assoc'd with <sup>kaistone</sup> relict c-dk, to a minor degree diss'd	Locally, abundant (~10%) mm-cv as stockwork and vein dxia (248.5-249) 249.2-249.6 two 1cm bxt of q-chl-v, 30 and 60 TCA, with trace po, py, ep, Sharp <sup>Lower</sup> contact 30°	QP Auto Gtda
		Diabase Dyke	532534, 251.1 - 252.3, Porphyritic diabase dyke, vfg to aphanitic <sup>basaltic</sup> groundmass host ~ 5% 1-3mm euhedral fsp phnts. Trace diss'd po	Lower contact not present, red, rubble.	
		Qi-Por Auto-Por	532535, 252.3 - 254.6. Two generations of Qi-Por: a) predominant mg Qi-Por-gran, 0.5mm Qi, 30% ssit, 10% chert matrix, diss'd kmpo b) ~ 10-20%, cm patches of fg Qi-Por. 253.2-253.6 2cm q-c-chert sulph vein with <sup>2x20mm</sup> stringers of: po, aspy (py, ep)	Fracturing ~ 15° TCA  20° TCA	Fragments of matrix - poor GF in matrix - rick QP. Interpret: a) is result of greenschistization. b) and c) are relicts

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532535 cont'd est. ind Overall: po 1%, aspy 0.1-0.5%, py, cpy trace		
		Qi-Por	532536, 254.6-258.0 ditto above (to 254.6)		
		Auto-Bxia	Mixed, 2 generations of Qi-Por, to 256.6: a) mg. Qi-Por-greizen, <sup>+20-30% sil</sup> b) fg Qi-Por, no seric. Interfingering of a) and b) at 1-5 cm scale, ~ general orientation of 'fingers' In part intrusive Bxia, mm-cm clasts of a) in b) of fg Qi-P - 40-50 TCA Po 1-2%, cpy trace - 0.5%, as c) - 5 mm clasts In chloir patches, in a), ~ 1 cm from contacts betw. a) and b); and at contacts. Moderate ~ 1 mm c-muscov.-q (ch) veins, ~ crossing, 20-60 TCA at ~ 1-4 cm intervals. 256.6-258.0 mg. Qi-Por-greizen, <sup>mg</sup> only; Qi-Por ~ 5-10% matrix chloir and ~ 10% 15% oriented ~ 70° TCA chloir seric (to 1-2 mm intervals), Trace tourmal in seric-c-veinlet. 0.5-1% chloir po and in veins.		po/py ~ 10:1 Partial greisenization, a) is greisenized, b) is non-greisenized relict.
		Qi-Por	532537, 258.0-260.3, ditto above (to 258.0)		
		Auto Bxia	Mixed, mostly (80-90%) fg Qi-Por, as matrix. a) Hosting ~ 10-20%, mm-cm patches/clasts of b) mg Qi-Por, with ~ matrix chloir and 1-3% po, 0.5% cpy. Po, cpy clearly assoc'd with mm size chloir-seric patches, presumed to be part of a). 3 mm c-chloir-po-epy-vein, 80 TCA, at 258.7.		mostly non-greisenized <sup>fg</sup> Qi-P.
		Qi-Por	532538, 260.3-263.7, ditto above (to 254.6)		
		Auto-Bxia	~ 20% un-greisenized, fg Qi-P relicts, cm- areas, in predominant partially greisenized Qi-P. ~ 20% dispersed seric, 10-20% chloir (+po) patches		Partial greisenization

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532538 cont'd mm-cm size, at 2 mm c-obl-v, at 1-2 cm intervals. 2 cm xl- $\alpha$ -c (chl) ep <sub>1</sub> vein at 263.2 - 263.5 Overall sulphation: po 2-3%, ep <sub>1</sub> 0.1-0.5% py trace. Trace oxide.	10-60 TCA, 20-30 TCA.	
		Q-F-Par mg	532539, 263.7 - 265.0, ditto above Q-F-Par, mg, partially epizonized, with 2 qv. Matrix chlo 10-15% dispersed sericite - 10% trace diss'd po. One q-v 11 cm, 65 TCA one qv 2 cm, 70 TCA.		No fg. Q: - for relicts
		Q: - F - Par mg	532540, 265.0 - 269.8, ditto above (to 265') Minor dispersed seric, minor (~5-10%) minor <sup>low</sup> chloric patches / partial propylitic? po Minor c-obl-v, at 3-5 cm intervals, Total po ~0.5-1%, diss'd.	c-obl-v 20 to 60 TCA.	
		Q:F Vln Q: - F - Par	532541, 269.8 - 270.6 Q: - F - Par, as above, with 9 cm wide coarse qv-vein (trace po) 269.9 - 270.4, at 30 TCA		
		Q: - F - Par	532542, 270.6 - 275.0, ditto above (to 265') Trace seric, dispersed and in seric-joints 5-10% patchy <sup>small</sup> matrix chlo. Minor (~5%) network of <sup>large</sup> chlo - potates + veis, + po, at 2 to 5 cm intervals. Rare hairline c-v, c-obl-v. One 1cm xl- $\alpha$ -c-obl vein at 274.5'. Overall po 1-2% (diss'd in Q:F and in chlo), ep <sub>1</sub> trace		
		Q: - F - Par	532543, 275.0 - 279.4 ditto above (to 265') Minor <sup>patchy</sup> seric, dispersed and in joints. Strong variation		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532543 cont'd of matrix - chlorite, in 5-10 cm areas from 1 to 10% ~ 10% <sup>bl. p. 277.3</sup> 277-277.3 and 278.2-279.4. Minor seric - c-dfd veins, at	20% SO TCA	
			5-10 cm intervals ± Po. Accessory (asp. (1-2 mm) 1 cm MoS <sub>2</sub> patch at 276.6' in chl-c-v. v. v. v. sphene 10% grains. <sup>grains</sup> 0.5-1% py trace, as dissem. and in patches, assoc'd with veins.		= Mo 1 cm &
		F-Q For	532544, 279.4-283.8 ditto above Fsp-Propyl, rare qtz eyes. Minor seric - joints and c-dfd-v (≤ 1 mm) at 2-5 cm interv.	2-5 mm c-dfd-v at 20 cm interv.	
			Po trace to 0.5%, dissem'd and in veins, cont'd 279.4-280'		
		F(Q)-Pol	532545, 283.8-286.2, ditto above (to 283.8) Patchy matrix chlos ~ 10%. Well formed euhedral, bixy, zoned fsp phxts in (flood?) qtz matrix. Rare qtz eyes. One 3x5 cm inclusion as patch of fg, greenish qtz-eye points. One 3x4 cm chlos-wk (propyl) patch + trace po. Rare ≤ 1 mm c-v, chl-c-q-v. Trace to 0.5% dissem'd po		chlos / po
		(F(Q)-Par + qv	532546, 286.2-287.1 ditto above, (to 283.8) with 4 cm c.g x 1-q-fchl) vein, with trace tourmal, chlos, and several 1-2 cm sulph clusters: po, cpy. Cpy also in patchy cpy halo, ~ 1 cm in F-Q-Par. Total est. sulph: 5% po, 1% cpy	50° TCA	
		F(Q)-Par	532547, 287.1-290.9' ditto above (to 286.2') with cm size, irregular shaped patch of		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532547 cont'd fg cherty, milky-white Qi-Por at 288.5 - 288.8', Rare ≤ 1mm c-del-v. Trace to 0.5% po, diss'd, trace ep'y. Minor dispersed sericite 287-287.5'	2cm xl-Q-c(del)-v 10-20 TCA at 289.2 - 289.5 Sharp contact ~ 30 TCA	
		qtz <sup>carb</sup> -vein ↓ F-Q-Por	532548, 290.9 - 293.4, Coarse grained qtz - minor carb - vein, enclosing cm - rafts of F-Q-Por with ~50% cm-chlorite margin. Trace po in q-c-v.	Contact = q-c-vein to F-Q-Por 10-30 TCA	
		F-Q-Por	532549, 293.4 - 295.0 similar to above (to 286.2). Upper half cream colored (chlor in matrix bleached) near c-chlor-vein. At 292.8' - 3x5 cm patch of fg cherty, white Qi-P. Trace diss'd po	Rare hairline veining, 10-30 TCA.	
		Mixed Qi-Por H Qi(F) Por mg	532550, 295 - 296.7 Mixed as above (comp: fg - mg Qi(F) Por, with ~5-10% matrix chlor hosts a 20cm white, fg, chlor-free Qi-Por ~0.5% po, trace ep'y, in chl-c-veins and chlor patches; and minor ad/dissom.		fg cherty, Qi-Por has no po
		Qi-F-Por mg	532551, 296.7 - 301.2, ditto above, fg - mg Qi-F-Por, with 10% matrix chlor, ~5% cm size white, chlor-free/poor Qi-Por. 296.7 - 297.5 minor veining: q-c, seric-v chl-c-q. Po trace to 0.5% diss'd and in veins 3mm or greater in white Qi-F-Por Trace MoS <sub>2</sub> in len q-c-v at 301.0, 30 TCA. 2cm band at 300.3', with ~20% dispersed seric.	30-50 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Q <sub>i</sub> -F-Pol	532552, 301.2-304.8 ditto also see (to 301.2) Q <sub>i</sub> -fsp-propyl <sub>7</sub> , mg, low % of chlo <sub>2</sub> in matrix to ~303; increase of matrix chlo <sub>2</sub> 303-304.8 (propylit <sub>2</sub> ?), 5cm high chlo <sub>2</sub> patch + po (propylit) at 301.2. Large (4mm) ox grains and 5% lat at 302.6, 5cm wide, seric-rich	70 TCA	
			band with chlo <sub>2</sub> margin at 303.0-303.3. Minor mm-c-chlo <sub>2</sub> -v. Po ~ 0.5%, dissid, ep <sub>2</sub> + v	sharp lower contact 35 TCA	
		Q-V + Q <sub>i</sub> -F-Pol	532553, 304.8-305.2, ditto above, with 10cm q-seric-py-chlo <sub>2</sub> v. in. upper contact marked by 2-3mm seric + chlo <sub>2</sub> .	Lower contact 40 TCA	
		Mixed F(Q <sub>i</sub> ) Pol Q <sub>i</sub> -Pol	532554, 305.2-307.7, ditto above, mg, few 0.5-1mm qtz eyes in matrix of euhedral and anhedral fsp, and ~5% matrix chlo <sub>2</sub> . Trace <sup>only</sup> dissid po to 306.8. From 306.8 → Q <sub>i</sub> -Pol with 5% py <sup>12 po</sup> 5-9cm size ductors assoc'd with chl-v	5mm qv + po at 305.7. 40 TCA.	
			306.8-307.7: Partial propylitization of Q <sub>i</sub> -Pol. Overall estin. sch <sub>2</sub> : 2% py, 0.5-1.6 py.		
		F(Q <sub>i</sub> ) Pol F(Q <sub>i</sub> -Pol mixed	532555, 307.7-312.3 Mixed: Prodom. mg F(Q <sub>i</sub> ) Pol, permeated by minor stock- work of fg. cherty Q <sub>i</sub> P, assoc'd with ~5% mm-cm propyl <sub>2</sub> chlo <sub>2</sub> patches + chlo <sub>2</sub> veins, + accessory po, py. In places replaced by texture. Minor seric, locally, with fg Q <sub>i</sub> -Pol. 2cm α(-Q-c-fsp <sub>2</sub> -chl-v, at 311-311.3	Spacing of ≤ 1mm chlo <sub>2</sub> -c veins 0.5-5cm. ~ 25 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532555 cont'd Sharply outlined, 10 cm. size, propylitic patch (biot-fsp-cls-qtz) with trace py 311.8-312.1. Overall sulph: Po 0.5% py trace.	Sharp lower contact 75 TCA	
		Propylitic F-Q-Par?	532556, 312.3-317.9. Matrix, mag fsp- biot-cls <sup>qtz</sup> with subropic texture. Accessory ox, sphene. No relic texture. Minor veining: 1 mm c-cls, 1 cm q-biot-py, at 313. Overall py ~ trace to 0.5%, as possible.		
		↑ Propylitic F-Q-Par?	532557, 317.9-320.6, ditto above (to 317.9) with 15 cm. F-Q-Par idit, 318.2-318.8. Barren, rare trace py	Sharp lower contact 75 TCA	
		F-Q-Par	532558, 320.6-324.0, ditto above Moderate to strong veining; and two 5 cm areas of F-Q-Par assoc'd with high-cls (propylitic) and py <sup>(epi)</sup> 320.6-320.8; and 323.4-323.6: Extensive stibiovanadane overall: 2-4% locally, in two 5 cm <sup>chalc</sup> areas 5-10% py, trace epy. At 323.6 1 cm xl-Q-c-cls vein with 10 mm patch of po, trace epy. Py at 323' as 5 mm cubes	Veining: 1-5 mm q-cls-v, (Cradle ex?) at 1-2 cm spacing 320.6-322.0 Lower vein density 322-324.0. 323.6 q-c-cls-por vein 70 TCA, also at 323.0 and 323.3; 5-10 mm q-v at 8-9 cm intervals.	
		E-Ex-Par	532559, 324.0-327.4, ditto above. Minor veining: 5 mm q-cls-v 35 TCA at 324.3' 30 mm q-v 45 TCA at 325.4. Vague propylitic replacement brta texture 326.5-327.0. Trace po, py, epy, dss'd and in hairline veins.		
		F-Q-Par + diabase dyke	532560, 327.4-328.1, ditto above, fsp-qtz-par cut by 10 cm thick, porphyritic vff diabase	Upper contact of dyke 50 TCA, lower contact 45 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532560 cont'd dyle. 2% py as <sup>mm</sup> clusters in 2cm wide chloric margin of dyle, within F-Q-Por		
		F(Q)-Por	532561, 328.1-330.0 ditto above (to 286.2) with 1 ft propylitic replacement breccia 329.0-330.0. 1cm sulph patch in vein at 329.4: py, ep, po. Overall sulph abundance: Trace to 0.5%.	X1-Q-C-chf-sulph-vein, 1-1.5cm, at 329.4 and 329.9, 70 TCA. HW downhole (carb).	
		F(Q)-Por	532562, 330.0-332.9 Fsp (qtz) porphyry milky-white fsp as 0.5-2mm plite, in quarters of flood. qtz and ~1 1/2 chlor. rare qtz eyes. Trace py, rare haire. cl - v.		Green. Unusually rare py = pecks
		F(Q)-Por (Bxia) (ip propylitic?)	532563, 332.9-336.1. Ditto above (to 332.9, with Bxia texture (except 333.2-334.5) Dark green, fsp matrix of fsp- <sup>propylitic</sup> mg-chlor-ox fsp-qtz-porphyry hosting mm-cm-10cm fragments of white, mg fsp(Q) por. Trace cliss py in dark green Bxia matrix	Bxia Minor 2mm q-c v. 60-70 TCA	Partial propylitic texture?
		F(Q)-Por Bxia	532564, 336.1-339.0, ditto above (to 336.1) Breccia texture: F(Q)-porphyry permeated by 10-20% mm-cm dk green, chlor-ox qtz-wk sfs wk (partial propylitization?), assoc'd with ~5% opalescent, blue qtz-grains + <sup>qtz</sup> patches. Py trace to 0.5%, as specks and rare 1-2mm clusters. Accessory oxide grains + sph.	Bxia texture 'jig-saw-puzzle'	Bxia.



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F(Q)-Par	532565, 339-342.3', ditto above (to 286.2)	5 cm q-v, GOTA, 340.1-340.3	No bxia texture
			Massive, no bxia texture. Scat'd 2-5mm chloric clots. Minor q-v. 341.8-342.3 partly silicified; eg (1-3mm) fsp in 40-60% matrix of 'flood'-qtz, with 3-10mm blueish qtz grains. At lower contact to chlor-rich propylitization. Trace chlorid py		
		F(Q)-Par Bxia partly propyl'd	532566, 342.3-345.2, ditto above (to 339.0). Partly propylitiz'd F(Q)-Par. 30-50% F(Q)-Par relicts, in chlor-rich matrix of a) fxy cherty Q:-Par and mostly subsophitic fsp-chlor-qtz rock. 5-10%, 2-5mm blue qtz-eyes, 2% (amalgam). Py 0.5-1% scat'd cubes/clusters.	Bxia texture	
		Native Cu (vln)	532567, 345.2-345.3. Vln: Native copper and black (fresh), limonitic weathering cementing ~30% mm-size felsic silicate fragments. Heavy. Remaining core piece 3x3cm.	Lower contact not preserved Vln? Fault bxia? cemented by Cu?	Drillers haven't drill-bit Original core interval probably longer than 6 cm.
		F(Q)-Par Bxia, partly propyl'd	532568, 345.3-347.0, ditto above (to 345.3), with 0.5' portion of UM, eg. amphi-chl-sak/345.9-346.4); and sharply text'd, purple, intermed 6cm dyke at 345.8. Trace py	Bxia texture - Dyke contacts 45 and 70 TCA	
		Propyl'd F(Q)-Par?	532569, 347.0-350.3 similar to also 12 (to 317.9) & variously text'ed, fxy to eg, subsophitic fsp-chlor-qtz rock, hosting 3-5% cm size F(Q)-Par relicts; and fine grained, mafic inclusions (mainly 349.4-350.3)		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532569 cont'd. Cut by 4 cm aphanitic, porphyritic diabase dyke	- 30 Tct, at 348.6.	
			Trace py diss'd and in hairline veins.		
		F(Q)-Por Gria, partly propyl'd	532570, 350.3-352.6, ditto above (to 345.3) Chlor-rich Gria matrix is very similar to <sup>400</sup> py F-Q-Por fragments, but grains of finer grained, less qtz groundmass, ~30% chlor, ~2% scald ox grains, trace py. 10 cm UM amph-dior portion + 5% diss'd py at 351.2-352.5 Minor chlor veins < 1 mm. Overall py/in matrix ~16.	Bxia texture	Mostly Replacement Gria, 'jig-saw' pattern. 350.3-351.0, late- geneous fragm. population.
		Propyl'd F(Q+Por?)	532571, 352.6-353.1, ditto above (to 317.9) Homogeneous mafic, mg, subophitic fsp-act-(qtz) rock, ~16 diss'd ox.	Sharp lower contact 20° Tct	no py seen.
		Diabase Dyke	532572, 353.1-355.0, Diabase dyke, v. fine aphanitic matrix, ~16 1-3 mm fsp phxts. Chilled 6 mm margin cut by hairline chlor-v. Trace diss'd py		
		Propyl'd F(Q)-Por	532573, 355.0-357.1, ditto above (to 345.3) Partly propyl'd replacement <sup>F-Q-Por</sup> Gria 356.5-357.1; mg. mafic, subophitic rock with few <sup>F-Por</sup> relicts 355- 356.5. Trace py in matrix	Bxia texture	
		F(Q)-Por partly propyl'd	532574, 357.1-359.8, ditto above (to 345.3) F-Q-Por is white, with high qtz matrix ('flood qtz?'). Only minor Gria texture (357.1-357.6). F-Q-Por permeated by ~5% 1-5 mm stoch used of to 'cherty', q-dior-rich Gria-Por + trace py	At lower contact, 30 Tct, 1.5 cm c.g. xl-Q-act-dior -vein, with ~2% py. 'Min' has diffuse borders,	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532574 cont'd Rare 1-3 mm py clusters in chlor. patches. / py and in loc. of chlor. - dx vein at lower contact.	Grading into F-Q-Par.	
		Propyl <sup>ized</sup> F-(Q)-Par?	532575, 359.8 - 362.8, ditto above (to 317.9) Homogeneous, mg, subophitic, mafic rock. Nephelinitic texture. Rare clin. q. c-v. Trace py	Sharp lower contact to F-(Q)-Par at ~65 TCA	
		F(Q)-Par, partly propyl <sup>ized</sup>	532576, 362.8 - 364.5, ditto above (to 345.3) F-Q-Par, permeated by 20-30% chlor. mafic, propylitized F-Q-Par, 363.2 - 363.4 with ~5% chilled, and ~0.5% - 1cm intervals F-Q-Par. At 363.6 1x2 cm clusters of po in 2cm q/c-v.	-75 TCA.	
		Propyl <sup>ized</sup> F-(Q)-Par?	532577, 364.5 - 366.3, ditto above (to 317.9) mg, mafic fsp - light chlor. subophitic rock. <10% F-Q-Par relicts. Trace py.	Sharp lower contact 45 TCA to Qi-P.	
		F-Q-Par partly propyl <sup>ized</sup>	532578, 366.3 - 368.0, ditto above (to 345.3) White <sup>m</sup> F-Q-Par, permeated by ~30% ch. areas rich in chlor. + 5-10% chlor. py + po, trace = py. Overall sulph. ~ 2-3%. Strong - following ± 1mm <sup>and ch</sup> c/v at 0.5 - 1cm intervals, 20-40 TCA.	Bxia texture strongly fract'd.	Core strongly broken, fractured
		Propyl <sup>ized</sup> F-(Q)-Par?	532579, 368.0 - 369.1, ditto above (to 317.9) mg mafic fsp - light chlor. subophitic rock, with ~10% F(Q)-Par relicts. Trace py	Moderate fracturing. ~60-70 TCA Sharp lower contact 45 TCA	
		F(Q)-Par	532580, 369.1 - 372.8, ditto above (to 345.3) F(Q)-Par permeated by ~10% <sup>of</sup> chlor. - rich Qi-Par, with trace py. Minor kaolinite veins: chl-c-v, seric-v. part with trace py	Bxia texture ~20-40 TCA	
		Qi-Par	532581, 372.8 - 374.4. Qtz eye - Porphyry Fine grained matrix of q, fsp, seric. Scat'd 1-2mm		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532581 <del>cont'd</del> l (with qtz eyes, minor lumen chl-v + trace py (cubes), chl-v at 2-4 cm intervals 374.0 - 374.4. Overall <sup>est. int.</sup> py: 0.1-0.5%	45-60 TCA Schistose, chlorite <sup>lower</sup> contact at 45-50 TCA	
		Propylized F-Q-Par? + Dyke	532582, 374.4 - 376.4 Mixed assemblage: 374.4 - 375.3 Qi-Par, partly propylitized, schistose, 45° TCA, with 1% cubic py 375.3 - 376.0 Propylitized F-Q-Par(?), mg, fsp-chlor-seric-g (or) rods. —	Sharp contact 70 TCA Sharp lower contact 50 TCA	
		F-(Q)-Par Bx	532583, 376.4 - 377.3 ditto above (to 375.3) Bx texture, jig-saw. 10% fsp F-Par matrix + chlor. Sharply outlined inclusion (8cm) of fsp porphy. dyke! Trace py.	Bx texture	
		Propylized F-(Q)-Par?	532584, 377.3 - 379.9 ditto above (to 377.9) Various textured, mg, mafic, subophitic fsp-biot-chlor (qtz) rock, with minor (~10%) cum-silic F-(Q) Par relicts. Schistose 4cm portion, 60 TCA, 378.3' with fcm c(qtz)-vein. Accessory ox, trace py		
		Propylized F-(Q)-Par?	532585, 379.9 - 384.0, ditto above (to 377.9) Homogeneous, mg, mafic rock (fsp-chlor-biot (qtz), accessory ox, trace py. Rare (1-3%) cum F-(Q) P relicts. Increase of biot, decrease of grain size, 383.5 → 384.0. Several 1-3mm linear py-strings — at 383.7'. Fine grained patch of dyke at <sup>lower</sup> contact	Minor c-chl veins, 1-2mm 60-75 TCA 75 TCA Sharp <sup>irregular</sup> lower contact	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F(Q)-Por	532586, 384-386.6 similar also (to 345.3)	<sup>in situ</sup> Breccia (+ 'Crackle Breccia?')	
		partly propylized	F(Q) Por fragmented by a) 'Crackle breccia' chlor-c veins at 1-2 cm intervals; b) 20% 5-10 cm size propylitized areas; c) mm-cm breccia matrix of F(Q)-Por. 0.5% py a) diss'd in propyl. b) in veins.		
		Mixed F(Q)-Por, Propyl qu	532587, 386.6-388.6 Mixed assemblage, mostly mafic, propylized F-Q-P, minor F-Q-P and a vein. Overall py (in propyl.) est. 1-2%. Breakdown: 386.6-387.0 Propylized FQP, + 3% py 387.0-387.6 F(Q) Por, unaltd, with haird. chl-v at 1-3 cm intervals; trace py. Contact to propyl. 387.6-388.4. Mafic chlfip rock, + 0.5% py. 388.4-388.6: 8 cm vein: calcite - siderite? (bar)	30-60 TCA 40 TCA with schistosity 30 TCA	
		Propylized F(Q)-Por (?)	532588, 388.6-394.4 ditto also (to 317.9) Sulphidic mafic rock (~5% gte), with local angular and round 6mm size inclusions of a) F-Por b) fg, porph, intermed dyke. suppl: 0.5% <del>py</del> <sup>copy</sup> py, c) dissem b) in veins etc. Mixed veining (chl, c, g-c) ± py, at 2-5 cm intervals Strong textural variations with sharp contacts, within mafic rock.	in part Breccia	from 20 TCA to 75 TCA
		Propylized F-Por, Breccia	532589, 394.4-399.7 ditto also (to 345.3) Breccia texture (replacement). 10-20% cm-size relict fragments of lt py and pink		

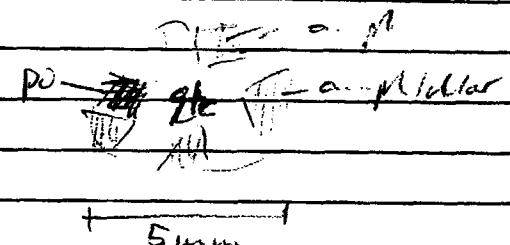
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532589 cont'd with <sup>100% cs</sup> "frayed outcrops" Fsp - porphyry in mafic (dioritic) matrix of strong textural and compositional variation. Cut by a few 0.5-2 cm dykes (veins?) of Qtz, cherty, of Qi-Por. Minor veinling (chl-c, ± py). Trace to 0.5% py, trace po, epy diss'd and in veins. 1 cm q-biot (enb) chlos - vein, associ'd with small fault? - F? + vein 26° TCA		
			399.2 - 399.6		
		F-(Q)-Por	532590, 399.7 - 400.5, ditto above (to Fresh fsp (qtz)-porphyry. Permeated by hairline chlos <sup>100% cs</sup> veins crossing at 1-2 cm intervals. Rare trace py.	Crackle br? Sharp lower contact 26° TCA	
		Propyl? / F-(Q)-Por?	532591, 400.5 - 403.7, ditto above (to 379.9) Various textured (mg-cs) subophitic mafic rock with ~5% F-Q-Por relicts, cm UH amphib -chlos patches and qtz-bearing e.g/pegus 'blow' patches. Common ~1mm veinling, at 2-4 cm intervals: q-c, chl-c-q - Sulph, total ~1-2%, py (py, epy) diss'd and in veins. Epy seen in a 1mm q-c-v ~20° TCA at 402.1.	40-70 TCA	
		Propyl? / F-(Q)-Por?	532592, 403.7 - 404.5 ditto above (to 379.9) About 10% cm size F-Q-Por relicts, 16 py in 1cm veins - q-chl-biot-epid vein. Minor 1-2mm chlos-biot veins -	45° TCA. 40-50 TCA	
		Propyl? / F-(Q)-Por?	532593, 404.5 - 408.4 ditto above (to 379.9) 2-5% F-Q-Por relicts. Considerable textural variation of mg-cs mafic fsp-chl-biot sub-		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532593 cont'd epitaxial rock, Schistose fsp-dbl-calc rock 406.3-406.8, with 20% calc stringers	~ 50 TCT.	
			5-10mm chl-biot stringers, 10 TCT, 4047-405.8, impure with py. Sulph: Est. 1-2% py, and py. Have no epy. Py dissolved and in chl-biot stringers.	Weak fabric 25-30 TCT	
			1cm xl-c-g vein, 35 TCT at 406.7.		
		Propyl'd F(Q)-Por?	532594, 408.4-412.9, ditto above (to 379.9) Texturally and compositionally homogeneous mg-cs, subophitic fsp-dbl-amph-biot-gtz-ox rock. Rare hematite veining. Trace <sup>to diss.</sup> epy, py, as 0.5-2mm stg diss'd patches scatt'd in white fsp, commonly at 1-2 cm intervals. Silica oxides several %		
		F(Q)-Por	532595, 412.9-415.0 ditto above.		
		partly propyl'd	412.9-414.0 jig-saw breccia, partial replacement of F(Q)Por by mm-cm network of green, fgy Q-P + cllos. 414-415 F&F. Entire interval cut by hairline chl-v and epid-v at 1/2-3 cm spacing, 50-70 TCT. Trace py.	Sharp lower contact 55 TCT contact ~ 50 TCT	
		Propyl'd F(Q)-Por?	532596, 415.0-416.8, ditto above (to 379.9) one 4cm relict clast of F-Q-P. Cut by 5-10 mm q-dl-biot-vein, 20 TCT. Mineral texture in this vein: Q, biot as 1mm, alternating septa oriented normal to vein. - Trace diss'd py		
		Partly propyl'd F(Q)-Por, Breccia	532597, 416.8-421.4, ditto above (to 345.3) Heterolithic intrusive/replacement breccia	Breccia texture	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			582597 cont'd Matrix texturally variable; a) medium. gabbro- ophitic mafic (qtz-dior) rock, b) fg Qz-por (Qz-F-por) rich in chlor. fg cherty (lt-fg) Qz-Por dyke cutting propylitized rock 419.8-420.2: Bifurcating, 'dead-end'. Rare traces po, pe, ep, py.		
		Propyl'ted F(Q)-Por?	532598, 421.4 - 423.4, ditto above (to 379.9) No F-Q-P relicts. <sup>mf</sup> Qtz-diorite with 20% <sup>(bluish)</sup> 1-2 cm size coarse grained/pegmatic, qtz-rich patches 2-3% diss'd ox, rare trace py.		
		Propyl'ted F(Q)-Por? Bxite	532599, 423.4 - 425.8 (ditto 345.3) ~ 20% cm size FQP fragments in matrix of fg to cg. qtz-diorite. Accessory oxide. Rare trace diss'd py. At 424.8' 1-2 cm Xl-Q-cv = 35° TCA. Common 5-10 mm qtz-rich <sup>fg</sup> patches.	Breccia texture	
		Partly propyl'ted F-Q-Por.	532600, 425.8 - 429.0, ditto above (to 345.3) 30-50% cm-dm FQP fragments (high qtz- matrix) in mg-cg qtz-diorite matrix. Minor 1 to 2 mm chl-c. veins. Rare trace py.		
		F(Q)-Por Bxite	532601, 429.0 - 429.6, ditto above (to 429.0), cut by a 4 cm q-biot (chlor, carb, epid) vein A few 1 mm q-c-v, epid-v. No py seen.	Bxite texture at 20° TCA	
		Partly propyl'ted F(Q)-Por	532602, 429.6 - 434.1, ditto above (to 345.3) Heterolithic breccia. Cm-dm fragments of a) F-Q-P, minor amounts of b) fg U4 chlor- amph-biot rock, c) fg - in g sharply textured		



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532602 cont'd diabase, in a texturally strongly variable matrix of 'gtz-diorite'; commonly with 1-5% bluish (opalescent) 'gtz eyes' and anhedral gtz-patches in biot-nick diorite variety. Trace chert of py		
		Partly propyl'd F(Q)-Por	532603, 434.1 - 436.4, ditto above. F(Q) Por permeated by ~20% mm-cm vein-network of texturally variable a) fg Q-P, dk gray, chlo-nick, gtz-nick. b) mg mafic chlo-biot-fsp (sox) rock (A po) c) cg subophitic gtz-diorite. Trace po in b), trace py Minor kaistine (biot, chl-veins and 1-2 mm flow- <sup>vein</sup> gtz-chlo-cherty?) veins.	Bx1a, jig saw fit	Mono-lithologic, in-situ-brn
		Partly propyl'd F(Q)-Por (P) xia	532604, 436.4 - 438.7, ditto above (to 345.3) ~20% cm size F(Q)P relicts in texturally and compositionally variable mafic matrix: a) mg gtz-dior b) biot-chlo, cg, biot-nick gab c) cg feldspathic gtz-dior. Trace to 0.5% py as rare 5 mm sized clusters.	Bx1a texture	
		Mixed Partly propyl'd F(Q) Por (Q) P (GG)	532605, 438.7 - 441.0, ditto above (to 345.3) F(Q) Por permeated by ~30% variable matrix: a) minor, 5cm patches of fg cherty Q-P, with cm areas of graphic fsp-gtz intergrowth (GG'), b) dk gray, mg-fs, gtz-chlo-biot-py po Q-P, c) cg gtz-diorite. Po in b) vfg		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			dissd. Overall sulph abundance est. is:		
			0.5% py + po.		
		Partly propylizd F-Q-Por.	532606 441.0 - 442.1, ditto above (to 345.5)	Bixia Texture	
			30% FQF (white) relicts in texturally variable mafic Qtz-dior matrix ~ 20% of matrix is a cgl/pig matrix assoc'd. of ampb/Chlor and bluish Qtz (± po). ~ 3-4% cgl po, trace cpy, assoc'd with ampb/Chlor. Blue Qtz patches are 3-15 mm in size, have cgl habit (similar to veins).		
		F-Q-Por (GG)	532607, 442.1 - 446.3 Fsp-Qtz-Porphyr High Qtz (Flood Qtz) matrix. Predominant fsp phxts, Bimodal. Strong zoning in large fsp phxts. Distinct Qtz eyes, ~ 5%. ~ 5% bluish chlor in matrix. Some fsp phxts show GG (graphic fsp-Qtz intergrowth. 442.1-443.2 partly propylitized, 30% mafic biot-chlor-ampb-rich patches and inter-fragment vesicles, with ~ 5% po, 1% py, 0.5% cpy. Sulph in non-propylizd FQ Por trace. Overall sulph: po 0.5% py, cpy, trace. Veining mineral 1-3mm q-v, q-biot (± po)-v, at 5-10 cm intervals 8-10 cm cgl propylitized chl-ampb-fsp-q-patchy, with 1-2cm cgl bluish Qtz chlor, and 1-2cm spaced chlor-c-q-v.		minor propyliz: 442.1-443.2, " 445.7-446.1
					Trace molybdenite in 5mm q-v at 445.3, 75 TCA
					30-40 and 70-80 TCA

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Partly propylized FQ-Por + qv	532608, 446.3 - 447.4 ditto above (to 446.3) F-Q-Por, partly propylized and permeated by 30% cq, poorly defined xl-q-c-chl -po-py patches. Two 1 and 2 cm xl-Q-fc/v	70-80 TCA	
		Propylized FQ-Por(?)	532609, 447.4 - 450.2, ditto above (to 446.3) m.g. texturally strongly variable mafic rock (felsophic 'qtz-dior') with <sup>a)</sup> 10% cm size F-Q-Por inclusions (relicts) b) rare fg. cherty Q-F-Por patches, c) 10% cq/pegmic q-fop-amph dior patches, with minor disseid py. Minor veining: a) 1 cm q-v, 60 TCA, at 448.0; b) hairline chl-c-q-v, 70-80 TCA, 1-2 cm intervals at 448.2 - 449 and at 449.7, with trace py. Overall sulph: Trace to 0.5% py, trace po, mostly in fault veins and in cq/pegmic qtz-diorite.		
		Propylized F-Por(?)	532610, 450.2 - 454.2, ditto above (to 450.2) mg-cq 'qtz-diorite' with one 15 cm white F-Por inclusion 450.9 - 451.4, assoc'd with <sup>a)</sup> 1 cm dykelets of fg cherty Q-P and F-Por, qtz-dior, b) <sup>4 cm zone of</sup> chl-q-v + minor py, at 451.5 c) 1 cm q-(py)-vein Clusters of ~1 mm biot-chl-(seric?) - py veins	80 TCA 75 TCA 70 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			at 450.5'. Overall estimated sulph, mostly in veins: py 0.5%, po trace, cpy trace, MoS <sub>2</sub> trace		2mm MoS <sub>2</sub> grain in 5mm q-v at 453.5
			Hairst. chl-biot - py veins at 10-20 cm inter-vein. 5mm q(c, py, MoS <sub>2</sub> )-vein, 453.2-454.2	at 70-80 TCA	
			rich, py-bearing fsp-gtz eye porph, py po 5% chsd py. Cut by 3-10mm py-q-biot vein	5-15° TCA, <sup>loose</sup> dip grad of 20° TCA	
		F-Q-Por, py	532611, 454.2-455.0, mg-fs, chlor-gtz	10-20° TCA	
		Propyl'zed FQP? (Diorite)	532612, 455.0-460.0 F-Q-Por to 455.3 with 16 chsd po with sharp contact to diorite. Diorite (propyl'zed FQP?)	70° TCA	
			455.3-460.0: mg-cs, sulphite, saussurite fsp, chlor-biot, access. ox. Several 2-5mm fsp-gtz-porph dykelets, 65-80 TCA.		
			Moderate gtz veining: 5mm q-py/c-chl-vein, with trace MoS <sub>2</sub> , cpy (at 457.1), 1.5 cm q-(chl-MoS <sub>2</sub> ) vein at 459.7. Overall sulph (est. val): Py/mostly in veins 2%. Molybdenite (in q-v) trace to 0.5% cpy trace.	5-15° TCA, 4 ft along core	Molybdenite in veins at 10 to 30 cm intervals in core
			Propyl'zed FQP? Diorite		MoS <sub>2</sub> grains 1-5mm in q-v, <sup>in part</sup> assoc'd with py.
			532613, 460.0-465.2, ditto above, (to 460) diorite, cut by ~5% mm-cm lt py-pink, fs fsp-Qi-por dykelets, ~10-30 TCA; cut by 5-10mm xl-q-c-v, 10-30 TCA. At 460.7: 3mm q-(chl)-MoS <sub>2</sub> ~ 80° TCA		
			vein. ~0.5% py, assoc'd with haire, chl-v, 60 TCA, conc'd 460-461' and 463.6-463.8, in a band 1-2cm q-c-v. 20 TCA.		Moly! 5-10% of q-v is MoS <sub>2</sub> : 1-3mm grains

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F-Q-Por	532614, 465.2 - 466.0, ditto above (to		
			Fsp-grt-porphyr of gray. Fsp phxts bimodal. A few % clearly defined grt eyes. Some 1/2-1cm fg inclusions. Rare hairline chl-q-v. Trace py dissd.	Sharp upper and lower contact 60-70 TCA	
		Propyl'd F-Q-Por? 'Diorite'	532615, 466.0 - 469.0, similar to above (to 469.2) mg-cg diorite, subophitic Accessory oxide, Several 1-2mm chl-c-v, with 2cm chloric halo with py-clusters. Total py ~ 0.5-1%	chl-c-py veins 45 and 75 TCA	
		Propyl'd F-Q-Por? 'Diorite'	532616, 469.0 - 471.8, ditto above (to 469.0). 'Diorite' mostly with hair chl-c-v veins. 470.0 - 470.5 strong veining: a) 4cm zone of c-epid-q-chlor veins and chloric halo, and a 1/2 dissd py; b) 1cm q(c, py) vein, with trace epy.	chl-c-v 20' to 60 TCA 45° TCA, 80 TCA	
		Propyl'd F-Q-Por, 'Dior' mixed.	532617, 471.8 - 473.5, ditto above (to 469.0) 'Diorite, with: a) 0.5' F-Q-Por 472.6 - 472.9. b) fg schistose chlorite 472.9 - 473.1 + trace py c) two 1cm, bounded q/c/v with 1-3mm wide stringers of fg cubic py, trace epy. Overall py 0.5-1%. Minor hairline chl-c-v, 1-3cm spacing, 30-50 TCA.	Schistosity 40-60 TCA q/c/v 70 TCA	
		Propyl'd FQ Por? 'Diorite'	532618, 473.5 - 478.3, ditto above (to 469) 'Diorite' <sup>homogeneous texture, fine grained</sup> with one 5cm fsp, Fe-mag-poor inclusion (?). 473.5-474.5 5mm q-c- -several? veins with halo of parallel seis-joints		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532618 cont'd Rare mining: chl-e, 4-2mm, 10-30cm spacing, 0.5-1% py, mainly in 1-5mm q-c-chl-py vein, 477.8-478.3.		
		Propyl'd FQP? 'Diorite'	532619, 478.3-482.0, ditto above (to 469) 'Diorite', mg-e, texturally and compositionally homogeneous. Moderate vein density: cl-2mm chl-e veins, at 1-5cm spacing, 20-60 TCA, locally, py, trace molybdenite, in q-chl-e-v. py concentration 479.4-480. Overall py: 0.5% <sup>est</sup>	vein 5-10° TCA crossing veins.	
		Propyl'd FQP? 'Diorite'	532620, 482.0-483.5 ditto above (to 469) 'Diorite', homogeneous, <sup>from</sup> 482.5-483.1 banding fragmented <sup>2cm</sup> c-q-chl- <sup>(py)</sup> vein: with 1-2cm f.g. chlor halo. 1-5mm py stringers along vein margins; and in chlor matrix between qtz-calc vein fragments. Trace epy, 482-482.5 closely spaced (5-10mm) c-chl-v.	vein 20° TCA 10 TCA and 50-70 TCA	
		Propyl'd FQP? 'Diorite'	532621, 483.5-486.7 ditto above (to 469) 'Diorite', homogen. Fsp sanesized, 483.5-484 5-10mm spaced hairline c-chl-v, 10-60 TCA. Trace diss'd py		
		Propyl'd FQP? 'Diorite'	532622, 486.7-490.0 ditto above (to 469) α-Diorite, homogen. Minor interstitial Qtz, accessory ox. Trace diss'd py. At 488.0, ~5mm q-c-v with assoc'd ~3cm f.g. matrix <sup>UH</sup> biot-chlor rock. 488.5-490.0 ~1cm spaced chlor-joints and strong fract ~ parallel TCA.	10-20° and 60-70 TCA.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Propyl'ed FQ: 'Dior'	532623, 490.0-491.3, ditto above (to 469) Fine grained, schistose feldt (grecia, to 491.0. Bracciated, chlor-veined Fsp-perph, intruded by a 1x4 cm patch of cherty Qi-F-Par. Trace py.	Faint - Gxia, 2-4 cm wide, 5-15° TCA	
		F(Q)-Par Bxia	532624, 491.3-496.9 ditto / to <del>Hetero-lithology</del> Replacement / intrusive greccia, Fsp-(Qi)-Par as predom. in-situ bxt'd and veined lithology. Locally other clast lithologies: fg-mk Bxia MATRIX highly variable: fg-mq fsp-Qi-parphyry and chlor-rich fsp-perph. F(Q)Par fragments cm-dm size, angular to rounded. A few cm-size UM, eg, chl-amph-biot. propyl'ed areas with diffuse boundaries to F(Q)-Par. 0.5% py. chertid. trace cpy, 494.4-494.6 vft, cherty q-v with trace cpy, chlor. (Qi-P??), common 'crack-type greccia' (cm spaced chlor-v, cross-crossing) in FQPar clast.	Bxt'd texture Minor chl v, 2-10cm =massive Sharp <sup>irregular</sup> lower contact ~ 70 TCA	
		Propyl'ed FQ-Par?	532625, 496.9-500.6, Matrix - UM, mg-eg massive amphi-chlor-biot rock. <sup>497-498</sup> Common ~1cm spaced chlor-veins ~ 20-40 TCA. ~0.5% chertid py, trace cpy.		
		F(Q)-Par	532626, 500.6-502.3, ditto above Fsp-qtz eye-parphyry, with high-qtz matrix. Permeated by 2-5% mm-wide chlor-rich net-work (propyl?) and <sup>to rock or vein of</sup> 1mm chlor-v. and	faint Gxta texture	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532626 cont'd mineral epid.-veins. At 502.1 4 cm patch of fg intermed dyke. Trace <sup>to 0.5% here</sup> py, ep, po in a) <sup>epid.-vein</sup> b) <sup>disid</sup>		
		F(Q)-Por Bxia propyl'd	532627, 502.3 - 505.4, ditto above Heterolithic Bxia: cm-dm size fragments of F(Q)Por and diorite in a highly variable felsic to mafic matrix: fg-mg Qtz-F-por, chlorites, chlor-biot rock (propyl.). Cut by fg mafic host- chln dyke ~    CA, 502.8-503.2. Common 1 mm epid.-v. Rare, 1-2 cm <sup>patches</sup> of blue gte eg all amphib in mafic areas. Trace to 0.5% py, trace ep.	Bxia texture Mafic vein ~ 10° TCA	
		F(Q)-Por Bx	532628, 505.4 - 508.0 ditto above (to 502.3) F(Q)-Por with high gte matrix, permeated by <sup>network of</sup> ~ 10-20% mm-cm chlor-rich fg Qtz-Por and one 4 cm patch, at 507.4, of py, ft, cherty Qtz-Por. Bxia matrix ipl. (505.8) mg diorite. Trace disid py.	In situ Bxia texture	In situ - Bxia.
		Propyl'd F(Q)-Por	532629, 508.0 - 510.0 Propylitised F(Q)P, with 0.5 ft relict portion of F(Q)P 509.3-509.7. Main rock type: texturally variable diorite, with cm UH amphib patches. Acc. ox. Common chl-v, q-c-v, @ 1-2 cm spacing, random orient. Trace - 0.5% py & veins; trace ep; disid; trace metylb- denite in 1 mm q-c-obl-v.		Acidly



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F(Q)-Por	532630, 510 - 512.2 ditto above (to 508.0)		
		partly propyl <sup>ized</sup>	F(Q)Por permeated by 10-20% patches and streaks of chlor-rite, fg-mg F(Q)-Por or mg 'diarite'. Moderate veining: ~1mm pink q-c-v, chl-c-q-v, 1-2 cm spacing, crossing. Trace py, epy, diss'd and in veins	Sharp lower contact at 65 TCA	
		Propyl <sup>ized</sup>	532631, 512.2 - 513.4, ditto above (to 469')		
		F(Q)-Por?	Mafic, mg, subophitic rock, 'diarite' texture. Homogeneous crs, no F(Q)Por relicts. Acc. cr Trace diss'd py	Sharp lower contact 70 TCA	
		Propyl <sup>ized</sup>	532632, 513.4 - 516.6, ditto above (to 510.0)	Bx'n texture	
		F(Q)-Por?	~20% cm size F(Q)Por fragm to 514.5;		
		Bx	'diarite' to 515.9. F(Q)Por fragments and fg F(Q)Por patch in <sup>old</sup> UH chl-amph, carb-veined, to 516.6. Bx matrix 513.4 - 514.5 is a chlor-rite fg-mg Qi-F-Por. Py trace, diss'd and in veins.	For qtz veining, anhedral shape, 20-60 TCA, 516.0 - 516.6 Sharp lower contact 30 TCA	Pink-brown, zoned q-c-veins pink maripin (qtz?) white calc case.
		F(Q)Por	532633, 516.6 - 520.1, ditto above (to 502.3)		
			Fsp(qtz) porphyry, pink-grey, with crackle Bx'n to 517.5; 0.5-1cm spaced chlor-rite patches and chl-c-v, locally with cluster of fg epy.	2 x 1cm q(c)v, 45 TCA	
			517.5 - 520.1 F(Q)Por, rare chlor patches, minor veining: ≤ 1mm a-v, chl-c-v, q-v. Trace py, epy diss'd and in veins.		
		F(Q)Por	532634, 520.1 - 520.7, ditto above (to 520.1)		Trace Molybdenite in q-v
			Fsp-(qtz) porphyry, fresh, massive, rare veins with two 2-3 mm q(c)v, with large 10x2mm epy patch. Trace diss'd epy, py. Overall epy 0.5%		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi(F)Por	532635, 520.7 - 524.6 Qtz-eye - (fsp) porphyry, mg, ~70% 0.5-1 mm, round + equant qtz eyes in matrix of fsp(auk. and euh), minor chlo.		etched spfle.
			Scat'd 1-3 cm of ~10% oriented sericite Rare hairline chlo. Py trace - 0.5%, diss'd. as 1 cm clusters; cpy trace, diss'd. Near end of interval, high qtz-matrix F-Qi-Por (grading?)	Several fractures parallel TCA.	
		F(Q)-Por	532636, 524.6 - 527.6, Fsp-qtz-porphyry. High-qtz-matrix, with mainly fsp plates, minor Qi. Cut by chl-zeric (-py) veins, at 1-3 cm intervals (in 5 mm qtz-halo?). 526.0-527.0 ~ 0.5% <sup>47</sup> diss'd cpy in epid. patches. - Py trace - 0.5%, mainly in veins.	~ 10° and ~ 80° TCA	
		F(Q)-Por Bx	532637, 527.6 - 530.8, ditto above (to 527.6) F(Q)Por permeated by ~10-20% mm-cm chlo <sup>blst</sup> -rich fsp-mg Qi-Por. Matrix in part LM chlo rods (1-5 cm). Trace to Qi in py mainly in mafic chlo's areas ~1 mm chl-c-v at 1-4 cm intervals.	Bx in texture fg Dyke, 527.6-527.8, 60 TCA.	
		Propyl <sup>1/2</sup> F(Q)Por	532638, 530.8 - 534.0 ditto above ~10-20% cm size fragments (relicts?) in mafic matrix of strongly variable texture: 530.8-532.2, eg, blotchy fsp-hist-chlo-qtz rocks, with patches of lathy fsp and qtz; Scat'd blue qtz eyes. 532.2-533.4 fg subophitic fsp-chlo rods	Porcic texture	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			with rare gtz-eyes. 533.4-534.0 mg gtz-diat'		
			with rare gtz eyes, and FQP fragments.		
			Trace diss'd py, cpy		
		F(Q)Por	532639, 534.0-539.3, ditto above (to 534')	Bx in texture	
		Qi-Por, 'Diat'	Porcella texture, Mixed assem. blage. Cu-		Disfolitional character of Gxia matrix and -veining is evident
		Mixed ('Zone C')	fine size fragments (relicts) of lt gtz-pinkish high-gtz matrix F(Q)Por in <sup>50%</sup> variable matrix of a) fs-mg Qi-Por, b) fs-mg gtz-eye-dicrite, with scatt'd 1-5 mm blue gtz patches, c) diasite, d) minor of cherty Qi-Por.		
			Veining minor: chl-c, c1 to 4 mm wide, 1-5 cm spacing.	10-30 TCA	
			Outlines of F(Q)Por fragm. to matrix commonly poorly defined. <sup>At 538.7 transition to predominant, fs Qi-Por (to 539.3) chert-rid, no csg F(Q)-Por clasts. - Py trace, mostly in veins.</sup>	539.0 1 cm c-chl-v (cp1) 15 TCA.	
		F(Q)Por	532640, 539.3-543.2, ditto above (to 539.3)		
		Qi-Por	Sim to 539.3 but only ~10% patches and		
		('Zone C')	poorly outlined Gxia matrix of fs Qi-Por and fs-mg Qi-dicrite. Minor veining <sup>locally</sup> 1-2 cm spaced, hairline chl-v, 60-80 TCA, ± py, c-v. Trace py, assoc'd with chl-v and chl-patches.		
			UM chloritite + 1% py 541.8-542.2, 20 TCA.		
		Propyl'zd	532641, 543.2-545.7, Mixed assemblage:		
		F(Q)Por?	543.2-543.7' F(Q)Por Gxia, ditto above (to 543.2)		
		Dicrite	Several 5 mm patches of diss'd cpy/py		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532641 cont'd at contact F(Q)Por bxia to 'diarite, at 543.7		
			cp7 assoc'd with epid and chlor.		
			543.7-545.1 Qtz-diarite, mg, 2% ox, 10% blue-palescent interst. qtz.		
			545.1-546.7 Bxia, Qi-Por and 'Qtz-diar' matrix, 20% FQP clasts.		
			Py ~ 0.5%, overall, ep7 trace overall.		
		F(Q)Por	532642, 545.7-548.9, ditto above (to		
		(lip Bxia)	545.7-547.0 Un-bleached F(Q)P.		
		(Zone C')	547.0-547.7 F(Q)P, in 0.7m bxt'd, 50% Qi-Por matrix, light color-rich, blue qtz-eyes	Bxia texture	
			547.7-548.9 F(Q)P, with ~ 5% mm-cm <sup>cl-bis-alk</sup> Qi-Por patches and anastomosing dikelets.		
			Overall: Minor hairline chl-v, c-chl-v, 2-5 cm spacing. Trace py, in veins and dikelets		
		F(Q)Por	532643, 548.9-553.4, ditto above (to 539.3)	Bxia texture	
		Bxt'd, lip propyl'd	In 0.7m bxt'd F(Q)P, permeated by 40-50% dark, chl-bis-rich, fg-mg Qi-Por and 'diarite		
		(Zone C')	matrix (in part propyl'd?). ~ 0.5% py, dikelets and rare 10mm clasts, in chl-rich matrix, and in Qi-Por; and with c-chl-v. Minor hairline chl-c-v		
		F(Q)Por	532644, 553.4-555.0, ditto above (to 553.4)		
		(Zone C')	F(Q)Por permeated by 30-40% a) Qi-Por b) cg qtz-diar with 5-10% 5mm blue qtz patches c) fg, dark, light-rich Qi-Por, 1% py in and near		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			chl-c-v, 50-70 TCA		
		F(Q) Por (Zone C')	532645, 555.0-557.6, ditto above (to 553.4)	mineral Bx <sub>2</sub> texture	
			F(Q) Por, permeated by 20-200 $\mu$ m cm-dm zones of dark <sup>fg-bio</sup> mg Q <sub>i</sub> -Por, <sup>mg-qtz</sup> gtz-diat. 0.5% py diss'd <sup>in matrix</sup> and in veins. 1-5 cm spaced chl-c-v	in situ - oxidation	
		Propyl <sup>ized</sup> F(Q) Por? (Diosite)	532646, 557.6-558.8, ditto above (to ...)		
			Mafic, mg-cg, subophitic fsp-biot-chlor (ex) rock. Massive, no sulph seen. 1.5 cm cg fsp- q-chl-cx vein, 30 TCA, at 558.8, trap py.		
		F(Q) Por	532647, 558.8-562.2, ditto above (to Fsp (gtz) porphyry. As Bx <sub>2</sub> with fg-mg Q <sub>i</sub> -F-por matrix to 559.2. Massive with minimal veining, to 562.2. High gtz matrix. 5-8% dark chlor in matrix. Few hairline c-chl-v, q-v. at 2-10 cm spacing. Trace diss'd py.		Top phx <sub>2</sub> lt pink, lt greenish - saussuritized.
		Q <sub>i</sub> (F) Por	532648, 562.2-564.4. Qtz-eye (f-p) porphyry, mg ~306 $\mu$ m, bluish gtz eyes in matrix of gtz + anhedral bruff-pinkish fsp + 36 chlor. ~1 cm spaced hairline striae joints, + trace <sup>rose</sup> f hairl. chl-v. 50-70 TCA. Trace diss'd and vein py.		
		Mixed F(Q) Por, Q <sub>i</sub> -Por	532649, 564.4-566.3, ditto above (to 562.2)		
			Fsp-gtz-porphyry, permeated by ~10% mg Q <sub>i</sub> -Por (as to 564.4) and a 2 cm dyke of fg diosite. 6 cm <sup>mg</sup> gtz-diat. 566.1-566.3. Mineral hairline chl-c-v. Trace py		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F(Q)Por	532650, 566.3-570.2 ditto above (to 562.2) 566.3-568.3. F(Q)Por with low-qtz matrix, and bimodal fsp-phets. Sharp contact. 568.3-570.2 F(Q)Por, high qtz matrix (bluish), 2cm diorite dyke 45 TCA Minor epid-chor (py) veins 2-5cm spacing. Trace py in veins and diss'd.		
		'Diorite', veined, sheared	532651, 570.2-573.0 Mixed assemblage: 570.2-571.0 'Diorite' mg matrix 571-571.6 Schistose, silicified, veined diorite? ~30% carb-stringers <sup>fold</sup> (pink-red+green qtz-chor (fsp?). Trace diss'd py 571.6-573.0 Schistose qtz-fsp-chor-rock, green <sup>fine fsp phets</sup> -pink. Rubble, strongly fractured Sheared Fsp-Porphyry? 1% diss'd py	Schistosity and carb-veins ~30° TCA. Schistosity 30-40° TCA Lower contact not preserved rubble	Shear zone
		Mafic schist	532652, 573.0-577.8 Schistose, mg. mafic chlor-fsp rock 30-40% anhedral fsp in oriented chlor matrix Moderate e-g-veining (in part pink) at 1-5cm intervals. Trace py diss'd and in fractures	Schistosity 10-30° TCA ~20 and 60 TCA	Schistose 'diorite' or propylized F-Q-Por?
		Propylized FQPor? Schistose	532653, 577.8-580.0 similar to above (to 577.8). ~20% cm size, oriented, pink mg fsp clasts (FQPor?) in <sup>TCA</sup> mafic fsp-chor matrix. Trace to 0.5% diss'd py	Schistosity 15-30° TCA Sharp lower contact 25 TCA	
		F(Q)Por, Q:Por Mixed (C')	532654, 580.0-583.8 ditto above (to ...) Mixed assemblage: 580.0-580.3 'diorite'	Beta texture.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			580.3 - 581.3 F(Q)Par, mg, weak bx's texture. 1cm clusters of py. 1mm. epid-v, z-v at 2-5cm spacing		
			581.3 - 583.8 Qi-Par, mg, 30% clastic 1mm qtz eyes, hostmg ~40-50% cm size F(Q)Par fragments. Qi-Par matrix is dark (biot), in part fr, in part cut by sericite-joints 0.5-2cm spacing. Py trace to 0.5%, cpy trace.	Sharp lower contact 25° TCA	
		Mafic Rock (greenstone?)	532655, 583.8 - 585.2 mg, weakly schistose fsp - host rock. 0.5% py as stringers near lower contact. Schistosity 45 TCA	Lower contact developed as interbanding of mafic rock and FQ-Par., 45 TCA	greenstone? Inclusion
		F(Q)Par	532656, 585.2 - 590.9 Fsp(qtz) porphyry, homogen, bi-modal fsp plxts, rare Qi, matrix low qtz, 5% albite biot. Rare hair. c-dk-q-v, trace diss'd py		
			585.2 - 585.8 vague bx's texture med-ole gray: F(Q)Par impregnated by mg Qi-Par, qtz-ink cut by cracks bx's: 0.5cm spaced sub parallel (45 TCA) biot dk (seric) hair. vein.		
			589.0 - 590.9 Bx's: F(Q)P permeated by ~30% Qi-Par with texturally variable qtz-diorite and fr biot-clar rock. Trace py.	2cm q-dk-v at 589.1 and 590.0 Sharp lower contact 20 TCA	
		Mafic Rock	532657, 590.9 - 592.5 ditto above (to 585.2) Schistose mg biot-fsp rock, with 0.5% fr inclusion of reined/bld FQPar. Trace diss'd py	schistosity, 40 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F(Q) Por (Mixed Zone C)	532658, 592.5 - 597.0 ditto above (to 590.9)		
			F(Q) Por, lt gray permeated by ~5-10% cm patches of <sup>dk gray</sup> ff-mg Qi-Por (locally Grt texture). Moderate qtz veining: Two cm-q-c-v, hairline chl-v, <sup>chl-v</sup> chl-c-v at 2-4 cm spacing. Trace py, ep (592.5-592.8) 596.3-597 ff-mg Qi-Por, med-dk gy, withered white FQP fragments, cut by biot joints ± py, at 0.5-1cm spacing	locally Grt texture veining. 2cm q-v @ 593.7 4cm q-c-v @ 594.1, 60 TCA	50-70 TCA
		F(Q) Por (Mixed Zone C)	532659, 597.0 - 601.4 ditto above (to 597)		
			597-598.4 F(Q) Por permeated by 30-40% ff-mg Qi-Por with biot-crackle Grt. 598.4 - 597.0 homogen F(Q) Por, rare hairl chl-c-v, q-v, q-py-v. Trace py		veins 40-70 TCA.
		F(Q) Por	532660, 601.4 - 604.4 ditto above (to 597)		
			with 1.5 portion developed as Grt, 603-604.4, with dark, ff-mg Qi-Por matrix. Trace py, dissim, trace ep in epid grains.	Rare hairl veins: chl-v, q-v	
		F(Q) Por, partly molyb'd	532661, 604.4 - 606.6 ditto above (to mg, mafic, subophic fsp-biot-qtz-sph (qtz- diavite) with 0.8 ft portion of FQP 605.0- 606.3. Trace py in qv, trace Molybdenite in 'qtz-diaite'. 5% lilacish qtz patches in 'qtz-diaite'.		
		F(Q) Por Qi-Por	532662, 606.6 - 610.4, ditto above		
			606.6 - 609.6 F(Q) Por, in part showing Grt	f.p. Bx17	



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			texture, with ~20% <sup>fine</sup> Qi-Por matrix and fine 5cm mafic biot-chlor-fsp patches. ~0.5% py in 1cm chlor-patches, disse and in veins	5mm q-cl-c-v ZOTCA	
			609.6-610.4 Mafic, mg fsp-biot-cll-gtz rock (propyl'd), trace cubic py	sharp lower contact to TCA	
		F(Q) Por	532663 610.4-615.0 ditto above	Bxix texture	
		Qi-Por, 'Bior' mixed, fine	F(Q) Por fragments in ~50-60% darker matrix of variously text'd and variously felsic to mafic Qi-Por or gtz diorite. Minor hairline chl-c-v. 1cm q-v at 610.9, 4cm q(c)-v GBTCA, at 614.4. Trace disse'd py		
		F(Q) Por	532664 615.0-620.5 ditto above (to 615.0)	Bxix texture	
		Qi-Por, Mixed	F(Q) Por fragments in minor <sup>(~10-20%)</sup> dk grey Qi-Por matrix and Qi-Por amastomizing dykelets and texturally varietal gtz-dior. Some vty, cherty Qi-P, with 0.5mm Qi. Some fine mafic biot-fsp areas. Fg porph'ic int/mafic. Discrete dyke 615.9-616.1. Py ~0.5-1%, disse'd and scatt'd cubes + clusters, mainly in Qi-P and chlor-rich patches (propyl)		- in part propyl'd
			Minor ≤ 1mm chl-c-v, 1-3cm spacing.		
		Propyl'd F(Q)P? Mafic Rock	532665, 620.5-622.3 ditto above (to 620.5-621.0 mg subph'ic fsp-ell-an-ph rock (dior 621.0-622.3 c.g. Ultramafic chl-an-ph rock with ~1% scatt'd py cubes (0.5-2mm)	sharp, irregular, lower contact.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F(Q) Por	532666, 622.3-623.9 ditto above. F(Q)P permeated by ~5-10% gray-green fg Qi-Por patches and chl-q-v, 1-5 cm spacing. Trace py, = py, in q-v	Bx texture	
		Partly propyl- itized F(Q) Por	532667 623.9-625.3 2/3 of interval, 623.9-624.8, F(Q) Por ~ 1/2 propyl- itized; 1/3 624.8-625.3, completely propylitized mg-cp UH chl-amph rods. ~ 0.5% py as scat'd 0.5-2 mm cubes in mafic areas 623.9-624.2 fg mafic/UH list (fsp) rods - ? dyke?		623.9-624.8 Excellent display of propylitization; F(Q) Por permeated by ~ 75% chloric patches and veins, at mm-spacing.
		F(Q) Por Mixed (Zone C')	532668, 625.3-627.8. Fsp (qtz) Porphyry (high qtz matrix fsp euhedral and anhedral, minor qtz eyes), with minor <sup>white</sup> patches of (1-5%) fg-mg Qi-Por; and chloric/propyl patches. Hairline chl-c veins, at 1-3 cm spacing 10-45 TC1. Trace disse' py.		
		Qi-Por F(Q) Por Mixed (Zone C')	532669, 627.8-630.3 mg and fg Qi-Por as <sup>bx</sup> matrix (40-50%) host, 60-60% white, high-qtz-matrix F(Q) Por. Qi-Por as cradle- breccia(?) i.e. permeated by closely spaced (2-5 mm spacing) chlor-veinlets. Trace py	Bx texture	
		Qi-Por F(Q) Por Mixed (Zone C')	532670, 630.3-631.4, ditto above (630.3) Wastebly textured Qi-Por and chlor-vein, fg-mg fsp-qtz-porphyry as matrix and dykelets for white, mg-cp, high-qtz F(Q) Por. Minor chl-c-v, trace py,		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F(Q)Por.	532671, 631.4 - 633.0 ditto above (to 630.3)		
		Qi-Por.	Mixed assemblage: 631.5 - 632.0 fg. Qi-Por with		
		partly propyl'd	8cm portion of eg/porphiric qtz-diorite, with 5-10mm Muscovite and ~3-5% eg brown sphene(?)		
			632.6 - 632.9, 4cm thick Kf-q-c-dbl, ~15 TCA.		
			Trace py cubes at margin of q-c-dbl-v and in 1mm py-vein in Qi-Por		
		F(Q)Por	532672, 633.0 - 635.0 ditto above (to 630.3)		
		Qi-Por	lt greenish FQPor to 634.1, permeated by gy, diffusely		
		Mixed (zone C)	outlined, 2-5mm gv of fg Qi-por dykelets.		
			634.1 - 635.0 med-grey, mg Qi-Por with ~10% patches of high-qtz-FQPor; minor $\leq$ 1mm chl-c -v + rare py grains. Overall: trace py		
		F(Q)Por.	532673, 635.0 - 636.6. Fsp (qtz) porphyry.		
		partly propyl'd	in part propyl'd (W: 20%), with two 4-5cm fg; biot-chlor-rich (qtz) rock; and with ~5-10% cm size fg Qi-Por patches. 1-2% py, in propyl'd areas and in Qi-Por; and chlor-veins. Trace 0.5% cpy. chl-c-q-v (hair) 2-4cm opening.		
		F-Q)Por	532674, 636.0 - 639.0. Fsp-qtz-porphyry		
			Fsp as phxts and anhedral grains, 40-50% qtz as Qi and anhedral grains or ('float-qtz') matrix $\leq$ 5% matrix above. 4cm high biot-chlor propyl'd area + cubic py at 637.3. Rare $\leq$ 1mm chl-c-v. 5mm q(chl)-v, 70TCA. Trace vft chrs'd py.		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F-Q-Por	532675, 639.0-640.3 ditto above (to 639.0) with 1.5 cm q(c)-v at 639.2, 70 TCA. Hairl chl-c-v at 2-5 cm spacing, 45-70 TCA 0.5% py, diss'd <sup>and cubes with rackets</sup> Trace cpy, diss'd.		
		F-Q-Por, Qi-Por, Mixed 'zone C'	532676 640.3-642.6, ditto above (to 639.0) with 30-40% cm-size areas of fg and mg Qi-Por. 642.0-642.6 propylid. re. mafic mg. hairl-fsp-chl suboph'ic rock. FQP and Qi-Por with closely spaced (0.5-1cm) =1mm chl-v, chl-c-v. Py ~1%, cubes, diss'd and in veins; cpy trace to 0.5% diss'd and in hairl c-q-v in FQP and Qi-P		Lower contact not preserved
642.6		Dabase Dyke	532677, 642.6-646.0, Dabase dyke Massive, homogeneous <sup>mafic comp.</sup> Matrix of, gran size ~0.1-0.3 mm, sharp needle fsp, px. Small (1mm) fsp phxts. Scattered lumps (2-5mm) gran. fsp phxts. Trace vfg diss'd py.		
650.0		Dabase Dyke	532678, 646.0-650.0 ditto above (to 646.0) groundmass becoming <sup>slightly</sup> coarser grained. 0.5-1mm fsp, Fe-mags. Subophitic texture Accessory oxide, trace py		
6500		EOH	END of HOLE		



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**Diamond Journal de  
Drilling forage au  
Log B.Q. diamant**

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NV-02-05	1

Drilling Company Compagnie de forage <b>RONKOR DIAMOND DRILLING LTD.</b>		Collar Elevation Élévation du collier <b>1,257 ft.</b>	Bearing of hole from true North/Position du forage par rapport au nord vrai <b>330° Az.</b>	Total Footage Avancement total du forage <b>650 FT.</b>	Dip of Hole at Inclinaison du forage au Collar/collier <b>-45°</b>	Address/Location where core stored Adresse/endroit où la carotte est stockée <b>KLONDIKE LODGE</b>	Map Reference No. N° de référence sur la carte <b>NTS 41P/12 SW</b>	Claim No. N° de concession minière <b>PATENT S 20096 AND S 19972</b>
Date Hole Started Date de commencement du forage <b>JULY 11, 2002</b>	Date Completed Date d'achèvement <b>JULY 16, 2002</b>	Date Logged Date d'inscription au journal <b>NOV 09 - NOV 28 2002</b>	Logged by Inscrit par <b>DR. PETER FISCHER</b>		<b>330 FUP</b>   <b>-45°</b>	<b>NORTHVILLE GOLD CORP.</b>	Location (Twp. Lot. Con. or Lat. and Long.) Emplacement (canton, lot, concession, ou latitude et longitude) <b>CHESTER TOWNSHIP 431174 E 5267506 N UTM ZONE 17 NAD 83</b>	
Exploration Co., Owner or Optionee Compagnie d'exploration, propriétaire ou titulaire d'option <b>NORTHVILLE GOLD CORP.</b>		Date Submitted Date de dépôt <b>FEB. 19, 2002</b>	Submitted by (Signature) Déposé par (signature) <b>P. Fischer</b>		<b>650 FUP</b>   <b>-45°</b>	<b>CORE STORAGE FACILITIES</b>		
					FUP	<b>CHESTER TOWNSHIP</b>	Property Name Nom de la propriété <b>YOUNG - SHANNON GOLD MINES</b>	
					FUP			



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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
0.0	15.0	OB	Overburden		
15.0		Qi-Por Gneiss (Zone A')	Quartz-eye-porphyry gneiss. Colour light gray. Consisting of a matrix of sericite, minor/trace chlorite hosting 0.5-1(2)mm qtz eyes. (Qi). Qi commonly bi-modal. Texture generally massive, locally weak fabric. Qi and matrix slightly variable, matrix generally 50-70%, Qi 30-50%. Accessories py, tourmaline.		
		Qi-Por gneiss (A')	532679, 15.0-18.3'. Qtz eye porphyry gneiss, as above. Py 1-2%, as single cubes and small clusters, 1-3mm. Trace dissd tourmaline.	Puddle (fract'd) 16.5-17.5'	Rare c-obl-veins
		Qi-Por gneiss	532680, 18.3-20.4 ditto above (to 18.3') ' with more py: Total estimated py 5-7%, as a) 30-40 mm megacrystic cluster at 18.9' b) scatt'd 1mm to 10mm clusters, spacing 2-5cm. Minor = 1mm q-v, 1-5cm spacing, 40-60 TC.		
		Qi-Por gneiss	532681, 20.4-23.7 ditto above (to 18.3') Accessory tourmaline. Py 2-3%, as scatt'd, large (2-5mm) stery megacrysts; po ~0.5%, dissd cpy trace, assoc'd with po. Rare ~1mm qv		
		Qi-Por, gneiss + cpy	532682, 23.7-25.0 ditto above (to 18.3'), with ~3-5% cpy, 1-2% py in a 1cm x 9cm stery sulph. patch assoc'd with a c-qtz <sup>clear</sup> tourmaline vein; and as scatt'd 1-3mm waxy py grains.		

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FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			py is seen to be overgrown by cpy. Large tourmaline grains (0.5-1mm) are embedded in the outer portions of <sup>to large</sup> cpy patch. At 24.0' 1cm lxt'd q-chl-c-vein + trace py, 30 TCA		
		Qi - Por greisen	532683, 25.0 - 30.0, ditto above (to 18.3) Inhomogeneous distribution of finely disseminated sulphide: 0.5-1% <sup>fine cpy, po</sup> py + po. Minor veinings: c-q-chl, 1mm to 10mm, 20 TCA to 65 TCA. At 27.0', 1cm <sup>xl-</sup> c-q-sulphide vein, with 5 x 15mm po cluster (with trace py, cpy). Po, py mostly in small, emerald-green chlor grains, scatt'd large (2-10mm) po-py clusters, in part assoc'd with c-q-chl (discontinuous veins).	80 TCA	
		Qi - Por greisen	532684 30.0 - 35.0, ditto above (to 18.3) Disseminated <sup>accessory</sup> sulphide, mostly with chlor-q-clusters: Py, po, each 1-2%, cpy trace. A few large po-py clusters (5-10mm) assoc'd with irreg. shaped c-q-v. At 31.0', 10mm open, vuggy qtz-py patch - possible solution channel. Tourmal trace, in scatt'd clusters. Matrix zirc/muscov <sup>23</sup> rel. coarse flakes (0.1-0.5mm:)		po:py ~ 1:1  ← FFP: 'solution channel'
		Qi - Por greisen	532685, 35.0 - 37.2 ditto above (to 35.0) Acc. tourmal. Disseminated py, po, each 0.5-1%, grain size 0.1-1mm. ~ 5% cm-size, irreg. patches of Qi-P, with no or few Qi, 0.5mm. Trace molybdenite in 5mm q-c-v at 35.0'.		- Moly

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532685 cont'd Mineralizing: Two 5-10 mm q-c-v. ~ 45° and 60 TCA one with several MoS <sub>2</sub> flakes, One 2 mm q-c-dk-py vein, 60 TCA. ~ 1 mm dk-c-veins - at ~ 10 cm spacing. 36.7-37.2 slightly higher	30-35 TCA	
			Dist Sulph (py, po) abundance, + trace sphal.		
		Qi - Por green	532686, 37.2 - 40.0 ditto above (to 35.0) Tourmal rare trace. <sup>50% min</sup> Sulph: Py 2-3% mainly as 1-2 cm size zoned, oriented clusters, 37.2-38.0 minerals as fine dissemin. Po ~ 0.5%, dissemin, epy trace.	~ large Sulph (py) 70% up to 50 TCA	
			Rare ~ 1 mm c-q-v, q-v, at 10-20 cm spacing	→ 20 to 65 TCA	
		Qi - Por green	532687, 40.0 - 45.0, ditto above (to 35.0) Tourmal trace, Py ~ 1-2%, mostly as fine, dissemin + clusters, minerals as large (5-10 mm -) linear clusters. Po < 0.5%, epy trace. Sulph, dissemin inhomogeneous. Generally spacing of small sulph grains 5-10 mm. Mineralizing: q(c) <sup>(2-3 mm)</sup> seric dk-c, at 5-10 cm spacing, 45-70 TCA.	Q(c) seric veins in part combined	
			3 mm xl-Q-c-py-po-vein 70 TCA, at 42.4'. Two 3 mm xl-Q-c-(py) veins, 70 TCA, at 44.1'.		Po on py.
		Qi - Por green	532688, 45.0 - 50.0, ditto above (to 35.0) No tourmaline, ~ 1% po + py, trace epy, mostly dissemin, minerals in q(c)-v. Py to a minor degree as cubes or as 3-5 mm clusters with q-dk. (discontin. veins?). Py also as sfs small-porphyry on rare fractures, 5 mm q(c)-py vein at 49.0 Rare, discontin. c-dk-v, 1-3 mm, some	~ 65 TCA	



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			hail-dol-joints, 45 TCA		
		Qi - Por greisen	532689, 50.0 - 55.0 ditto above (to 35.0) No tourmal. Py, po, trace <sup>(rare)</sup> dissd, py commonly as small clusters or as calcs. 0.2-0.5mm and in thin chl-c-v. At 52.1-52.6 <sup>white</sup> 2cm calcs (mineral) <sup>xl</sup> chl-dol vein ~ 20° TCA Py, po, also as rare linear stringers, with chlo, seric.		
		Qi - Por greisen	532690, 55.0 - 57.8, ditto above (to 55.0) No chlo'd tourmal, trace tourmal in slum chl-c-tourmal-veins. Matrix chlo 3-5%, variable. Py + po ~ 0.5% dissd, assoc'd with chlo grains and <sup>rare</sup> heilite chl-c-q-v. 1cm qv at 57.8, ~	linear veining chl-c-tourmal - v 25-30 TCA at 10-15cm spacing, 70° TCA. Sharp lower contact	at 28° TCA.
		Metasediment ?	532691, 57.8 - 59.0. Schistose chlo-seric- carb. rock, ~ 1/3 seric, 1/3 chlo, 1/3 siderite? Trace py. Grain size of carb. ~ 1mm.	schistosity variable, 30-45 TCA. Sharp lower contact 40 TCA	Archean relict?
		Qi - Por greisen	532692, 59.8 - 65.0, ditto above (to 55.0) Qtz eyes slightly larger (1-2mm). Accessory tourmal. <sup>(clusters)</sup> Py 1-2%, dissd, as individual grains and larger clusters and megacrysts, <sup>dissd</sup> Mn po 2-5% cm areas (amastomizing) of fg Qi-P, no seric matrix, few Qi. A few 1mm, 3-10cm long <sup>linear</sup> py-seric stringers. Po, in places, exceeds py, as fine dissem. Trace epy		Tourmal. abundance varies strongly In places ~ 1-3%
		Qi - Por greisen	532693, 65.0 - 70.0, ditto above (to 55.0). Accessory tourmal, ~ 5% fg, seric-free Qi-P patches. ~ 1% each of py and po, dissd and as		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532693 cont'd silty clusters, minor in q-c-v. Trace epy, trace v.G (in q-c-tourmal-vein at 70.0'). Minor veining: Banded 1-3 mm q-c-v at 5-30 cm spacing. Two 1-2 cm <sup>xl</sup> q-c-v at 67.3', and at 70.0'; with accessory tourmal, ~2% po, trace po, epy, trace v.G (4 grains in 2 locations.	50-70 TCA 50-65 TCA	
		Qi - Por green.	532694, 70.0-74.1, ditto above (to 55.0) Matrix low sericite, mostly fsp, qtz. No tourmal. Sulph: Py, po, each 0.5-1%, diss'd, as ≤ 1 mm specks and clusters, often assoc'd with chlor, Epid 10-20 mm. Trace epy. Scat'd 10-20 mm clusters of fg po (py, epy) with chlor, qtz, & carb. Minor veining: Two 2-3 cm xl-Q-c (chl)-v, 1 at 71.6' and 73.7'. Rare 1-2 mm q-c (po)-v at ~1/5-30 cm spacing. Two hair chl-seric-po veins at 73.7', 30 TCA. One hair tourmal-v at 71.6'	~70° TCA 30-45 TCA 25 TCA.	← v.G. in q-c-tourmal vein.
		Qi - Por green (+ vein)	532695, 74.1-75.0, ditto above (to 74.1), with a 7-9 cm wide complex vein with irreg outlines, and a 4-5 cm high q-seric halo. Vein crudely banded, with enclosed Qi-Prafts; and apophyses. Mineralogy: xl-q. (60%), ~10% epl po, carb, <sup>muscov</sup> seric, ~5% tourmal as 1-2 mm bands Trace epy. Overall po content 3-5%. Trace epy Muscov fairly eq (0.5-1 mm). A few 1-2 mm discontin. q-c-po-veins in Qi-P-green.	vein ~70 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Por greisen.	532696, 75.0-79.0 ditto above (to 55.0) Matrix has possibly ~10% fg calc (siderite) or Fe <sup>2+</sup> stained muscov? Matrix seric ~30%? (with fap, qtz). Muscov flakes fairly coarse. Sulph diss'd, minor in veins. ~0.5-16 for each py, po, trace ep <sub>7</sub> , aspy. Aspy in 2m q-c-ven at 75.1. Po (mainly as fine dissem., py as large, coarse clusters. Po also in 1-2mm bonded q(c)-v. Veining minor: Five 1-2mm discontn, bonded q(c)-po veins, at 10-30cm intervals, 40-60 TCA.	weak fabric in matrix 45 TCA 80 TCA	aspy as 1-3mm <sup>grains</sup> cubes □
		Qi-Por greisen.	532697, 79.0-80.8, ditto above (to 79.0) with more q-v: Three 2.5mm XL-q(c,py)-v one 20mm XL-q-c-v. Turned trace Py 0.5-16, diss'd as grains and small clusters Po trace, diss'd.	65 TCA 70 TCA	
		Qi-Por greisen. Mixed	532698, 80.8-85.0, ditto above (to 79.0) Seric matrix 30-40% trace diss'd toymat. as small clusters 0.5-1% diss'd py/po, (ep <sub>7</sub> ). Rare veins: 1-5mm seric(q)-ven, 20 TCA, at 80.8-81.6, Matrix low seric (10-20%?). ~5-10% cm areas of fg Qi-P, few Qi (seric-free)		seric/musc fairly coarse flaky
		Qi-Por greisen (Mixed)	532699, 85.0-90.0, ditto above (to 79.0) Seric in matrix 30-40%. trace diss'd toymat. ant. 0.5-16 diss'd py & po, trace ep <sub>7</sub> , as p-packs and 1-2mm clusters, rare 10-20mm <sup>silky</sup> clusters. py >		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532699 cont'd ~ 5% cum areas ('fingers') of swic-free, fg Qi-Por, with few Qi. 3cm x l Q-c-po-v ~ 60 FLA at 86.3-86.4. Rare hail. q.v.		
		Qi-Por greisen.	532700, 90.0-95.0 ditto above (to 79.0) <sup>Bimodal</sup> Qi Seric matrix <sup>est. in upper half</sup> 30-40% ~ 5% cum patches of seric-free fg Qi-P, with rare Qi. Accessory tourmal. Po, py <sup>each</sup> ~ 2%, as a) fine dissom, b) scatt'd 1-2 cm silty patches + trace to 0.5% epy, spand ~ 10 <sup>-20</sup> cum part.		→ Seric matrix in lower half of interval LOW - seric (~10%+ 20%) mostly q. fop Chlor in matrix ~ 3%
		Qi-Por greisen	532701, 95.0-100.00, ditto above (to 79.0) Seric matrix fg, est. in 20-30%, rest of matrix fop, qtz trace (1-3%) <sup>trace seric</sup> chlo. Tourmal nit to rare trace. Py ~ 1%, as a) spcks (unim) b) 1-2 mm megacrysts, c) silty clusters, d) min. 1-2 mm (q-c-dtl-po-py) ! Po trace to 0.5%. - 2-5% min-cum dykelets + patches of fg Qi-Por, no seric, few Qi. Rare hail chl-v.	80 FLA, at 95.6'	
		Qi-Por greisen.	532702, 100.0-105.0, ditto above (to 79.0) Low Seric matrix (20-30%). Trace tourmal. Py 1-3% as a) several large, 1 x 4 cm megacrysts py (po, chl, q) patches, 100.5-100.7! b) widely scatt'd 1-2 mm clusters, c) linear stringers, rare. Po trace - 0.5%, diss'd. Rare hail. chl-c-v. Miner (2-5%) <sup>Patches of</sup> fg, swic-free Qi-por/fg Qi-Por.		
		Qi-Por greisen.	532703, 105.0-108.5, ditto above (to 105.0) Trace tourmal, Py ~ 1%, po 0.5-1% <sup>trace epy</sup> as diss'd		

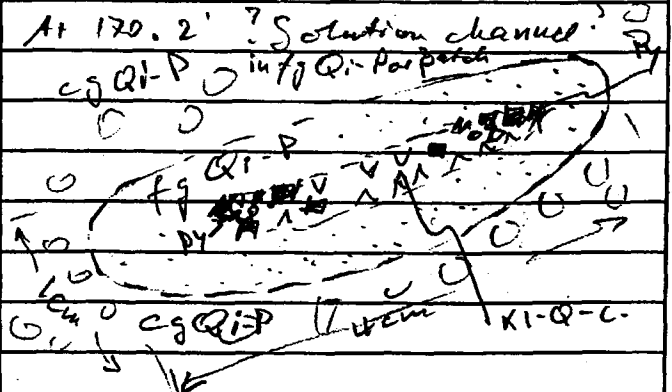
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			and 0.5-2 mm clusters, Trace ep7.		
			Rare c-dk-v, q-v, $\leq 1-2$ mm.	20-30 TCA	
		Qi - Por greisen	532704, 108.5 - 109.3, ditto above (to 105.0) Matrix Seric coarse, flaky, ~40-50%. Trace tourmal. Py ~ 10%, py 1%, as large, 4 x 5 cm mega- cystic patch.	Mineral 1-2 mm c-v, 20 TCA	Py seems to replace po
		Qi - Por greisen.	532705, 109.3 - 113.0, ditto above (to 105) Low Seric matrix (30%). Accessory tourmal., variable trace to ~1%. Py 1-2%, po ~ 0.5%, ep7 trace as a) scatt'd 1-2 mm (rare 5 mm) clusters b) linear stringers, with q-c-dk, ie. poorly defined veins. Rare $\leq 1$ mm q-c, dk) v.		
		Qi - Por greisen	532706, 113.0 - 116.0 ditto above (to 105.0) Trace tourmal. $\leq 5\%$ fg Qi patches (mostly, few Qi) Py 1-2%, po 0.5%. finely divid, as small (1-2 mm) or rare large (5 mm) clusters, or assoc'd with q-c-v Mineral veinings: Three 1-2 mm q-c (po, py) veins, at 20-30 cm spacing: 25°, 50°, 85° TCA.		
		Qi - Por greisen.	532707, 116.0 - 119.5, ditto above (to 105.0) Trace tourmal. 5-10% fg Qi-Por patches. Py ~ 1%, po trace to 0.5%, ep7 trace, as a) a few large (10-20 mm) silky clusters, assoc'd with q-seric-ckl-tourmal. b) in q-c-ckl-tourm-veins, c) small clusters + specks. Mineral veinings: Four 2-4 mm q-c-ckl-ssid ± tourmal-py (py) veins, at 5-30 cm spacing	→ 70-80° TCA.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi - por greisen	532708; 119.5 - 123.0, ditto above (to 105.0) Matrix low silic (20-30%), accessory tourmal. c 5% cm size fg. Qi-Por patches. Py 2-3% as a) <sup>1/4"</sup> large, sievey, megacrystic clusters (0.5-2cm). b) small clusters (2-5mm), c) single grains, both cubs on anted. d) in q.v. Po trace to 0.1%. Large py clusters with: xl-q-c-ckl-seric-tourmal. Minor veining: Two 4-10mm q(c,py)-v, 121-122', 5mm vuggy open q-c-py-ckl-v at 122.3		Tourmaline concentration variable: in clusters, Spacing of py-grains and <sup>small</sup> -clusters: 5-10mm.
		Qi - por greisen	532709, 123.0 - 125.0, ditto above (to 105) Accessory tourmal, ~ 5% mm - 1cm fg Qi-Por patches. Py 1-2%, as single grains and small clusters (2-5mm), to 124.2. Only trace py 124.2-125.0. Trace po	~ 70 TCA 50 TCA	→ Solution channel?
		Qi - Por greisen	532710, 125.0 - 127.8, ditto above (to 105) Rare trace tourmal, except one 5cm cluster of diss'd tourmal. ~ 30% cm-dm size areas of fg Qi(Fi)Por. Py <sup>0.5-</sup> ~ 1%, mainly in 3cm sievey clusters at 125.3; minor diss'd. Po 0.1-0.5%, finely diss'd, with trace qpy.	Rare 2mm xl-q-c(py)-v 75% TCA.	
		Qi - Por greisen.	532711, 127.8 - 133.9, ditto above (to 105) ~ 5% cm areas of fg Qi-Por. Trace tourmal. Py 1-2%, as small and large (2-10mm) sievey clusters, minor in q.v. Trace diss'd po, epy. Minor veining: Four 2-10mm <sup>xl</sup> q-c(ckl,py) veins, 1-2' spacing.	60-75 TCA.	Matrix 'low-silic.'

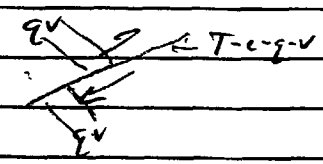
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi - Por green mixed	532712, 133.9 - 135.0, ditto above (to 105') Trace tourmal. One 3 cm patch of fg Qi - Por. Py 2-4%, po 0.5, cpy 0.1-0.5% Py mainly in a) one irreg. 4x2 cm megacrystic clusters, minor po. b) with po, into 3x1 cm, silty clusters, with q-veucov, chl - tourmal. Cpy as 1-3 mm grains in xl-q(c)-v. Trace diss'd po. Two 2-8 mm <sup>xl</sup> q-c-sulph-seric-v, 60-80 TCA.		po on py
		Qi - Por green mixed	531090* 135.0 - 138.6, ditto above (to 105') Trace tourmal as scatt'd clusters. ~5% cm-site fg Qi - Por patches. Py ~1%, po trace, as scatt'd 2-10 mm silty clusters; po also as fine dissemin.	One 2 mm q-v, 65 TCA	* sample # out of sequence! Spacing of large py clusters 5-50 cm
		Qi - Por green	532713, 138.6 - 144.0, ditto above, (to 105') Trace tourmal. Py and po trace to 0.5%, <sup>trace</sup> diss'd, 'rare linear clusters (discont veins?) and one large (2cm) diss'd patch of po. Rare 2 mm, branched q-v, 20-30° TCA.		
		Qi - Por green, mixed, q-v	532714, 144.0 - 145.0 ditto above (to 105') Trace tourmal. ~10% fg Qi - Por. Major veins: Foss xl-q-c (±py) veins, 5 mm to 1.5 cm ~ 60-60° TCA Trace po. Vuggy, limonitic py-c-gte patches → Overall pyjestim't 2-4%, trace po.		Possible solution channel?
		Qi - Por green	532715, 145.0 - 149.1 ditto above, (to 105.0) Accessory tourmal. A few (1-3%) 1-2 cm size fg - Qi - Por patches. 0.5-1% po, cpy, trace cpy as a) two 1x2 cm clusters of po(py) + tourmaline		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			147.3-148.3. Po on py. Trace to 0.5% po(py) as fine dissemin and 1-2 mm clusters.		No veins
		Qi-Por greisen. Mixed	532716, 149.1-153.7 ditto above (to 105') Accessory tourmaline <sup>(0.5%)</sup> in clusters. 2-5% = 1 cm <sup>to 5 cm</sup> fg Qi-Por patches. Py ~0.5-1%, po trace to 0.5% as scatt'd small (1-3mm) clusters, dissemin'd.		More tourmaline than above.
		Qi-Por greisen +	532717, 153.7-555.5 ditto above (to 105') Accessory tourmaline. One large (3x3 cm) sievy po-py-epi cluster, assoc'd with q-muscov-chlor, at 153.8. One 5mm po-py -epi grain at 154.0. Po and epy overgrow py. D small euhedral crystals: po 2-4%, py 1% epi 0.5%. Minor dissemin'd po, py. Moderate veining; TUSD 4-8 mm xl-Q-c-chl-muscov-vein, 70' TCA One 20mm sievy megacrystic py(po) clusters at 555.1'. Py assoc'd with lg xl-c-q-muscov.	Hairline dl-c-fracture 20 TCA 70' TCA	- Part of a discontin. vein?
		Qi-Por greisen	532718, 555.5-158.5, ditto above (to 105.0) Matrix has trace dk grey-bleak chlor, as widely scatt'd clusters. Trace tourmaline. Py ~0.5-1%, po ~0.5%, epy trace, in scatt'd 2-5mm clusters, similar to q-v. 10mm xl-Q-(c)-v at 157.7. One 1mm q-po vein 75 TCA, at 156.5'	80 TCA	
		Qi-Por greisen	532719, 158.5-163.0, ditto above (to 105') Matrix sieve. rel. coarse flakes, ~30%? No chlor in matrix, trace tourmaline. Py ~1%, po <sup>0.1-0.5%</sup> trace, as a few large sievy		



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532719 cont'd clusters (5-10 mm) to 160g and as small (1-2 mm) assoc'd with q-seric-chlor. Spacing of py-grains + clusters 1-3 cm. Finely disseminated sulph mainly po. Minor veining: 161.6-162.1 Four 2-5 mm xl-Q-(c,seric-sulph)-veins, 70-80 Fct. A few 1mm po + epy grains in a 5mm q-c-v.		
		Qi-Por greisen	532720, 163.0-167.0 ditto above (to 105') Low-seric matrix. Trace tourmal, rare trace chlor. Py ~ 1%, pi trace - 0.5%, as rare 2-5 mm clusters, and as fine dissemin. as hair veins; - hair chl-seric-por vein 70° as rare ~ 1 cm size inclusions (?) of high-seric, +qtz, without Qi. Rare = 1 to 2 mm q-c-v.	TCA	
		Qi-Por greisen	532721, 167.0-170.0 ditto above (to 105') Trace tourmal, no matrix chlor. Py ~ 1%, po + trace to 0.5%, as small clusters (1-5 mm) and dissemin. (<0.1-1mm), rare linear (1x10mm clusters. Rare 1cm patches of Qi-Por. Rare 1-2 mm <sup>xl</sup> q-seric/muscov. veins		
		Qi-Por greisen	532722, 170.0-175.0 ditto above (to 105') Trace tourmal. Qi: 0.5-2mm size. Medium to high seric-matrix. At 170.2, 1x4 cm patch of ff Qi-Por, with core of xl-Q-c and clusters of silty py+qtz, - ? Solution channel? → Py 1%, of dissemin. b) scatt'd small clusters (2-5 mm) and megacrysts (1-2 mm), spacing 1-5 cm, Rare discontinuous 1mm q-seric-py-veins		At 170.2' ? Solution channel? eg Qi-P in ff Qi-Por patch 

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			174.4-174.7 8mm xl-Q-c-(tourmal-sulph)-vein	~ 35° TCA	
			Sulph in the vein ~ 5% sulph: py, po, trace cpy.		
		Qi-Por greisen (Mixed)	532723, 175.0-180.0 ditto above (to 105) 175-176 ~ 20% cm-size patches of fs Qi-Por. Py 2-3% as a) scatted 1-5mm megacrysts and clusters. Minor veining: Five 3-10mm xl-Q(c)-v	~ 10-30 cm spacing, 60-80° TCA.	
			Do trace to 0.5%, cpy trace, in q-c-v. Three 2-3 mm q-c-po (cpy) veins, 70 TCA, at 30cm spacing.		
		Qi-Por greisen	532724, 180-185.0 ditto above (to 105) Low seric matrix (20-30%). Trace tourmal. Coarse Qi: 0.5-2mm. Py ~ 1%, as scatted megacrysts (1-3mm) and clusters, minor as fine dissem. Po trace, dissem. One: large (5cm) py cluster at 282.5. Rare cu size fs Qi-Por patches One 1-2mm c-tourmal-py vein, 20 TCA. At 184.6-184.8, disconform. 3mm xl-Q-c (seric- tourmal-po-py-epy-vein) 40 TCA.		
		Qi-Por greisen.	532725, 185.0-190.0, ditto above (to 185) Low seric matrix, coarse Qi. Trace tourmal. <sup>no</sup> chlor. in matrix Py ~ 1%, po trace, dissem, as single grains and 1-5mm clusters. At 188.8, 5cm cluster of closely packed Qi, with only ~ 5-10% matrix.		
		Qi-Por greisen.	532726, 190.0-195.0, ditto above (to 185). Trace tourmal. Py ~ 1%, po trace, cpy trace to 0.5%, as scatted 1-3mm clusters; rarely in range v. Cpy <sup>mainly</sup> in two 5 and 20mm sulph clusters at 190.9		

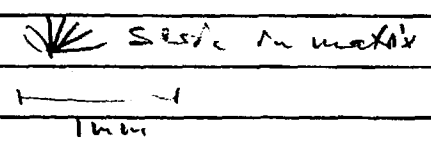
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532726 cont'd Cpy as ~1/3 in 20mm patch, with po (py), associated with csg qb, seric, minor tourmal.		
			190.9-191.8 several (~5-10%) 1-2 cm csg xl-Q-(c)		
			seric-po-(cpy) patches (possible solution-channels? NOT veins!). Minor veining:		← Solution channels?
			192-193, trace 1-2mm, banded q(c)-py-v, ~ one 1-2mm q-ser-tourmal-(py)-v, 20 TCT.	45 TCT	
		Qi - Por greisen	532727, 195.0 - 200.0, ditto above (to 185.0) Trace tourmal. No matrix chlos. Py ~1%, po trace, as of fine dissemin, b) scatt'd small clusters, 1-5mm spacing 2-10cm. One 4mm xl-Q-c-v, 65 TCT		
		Qi - Por greisen	532728, 200.0 - 205.0, ditto above, (to 185.0) Trace tourmal. <sup>High matrix Qi-Por</sup> No matrix chlos. Py 1-2%, po ~0.5%, cpy trace <sup>Most trace</sup> (as a) fine dissemin b) small (1-3mm) clusters c) rare in q-v. Minor veining: a) Two 1.5cm xl-Q-c-v, b) rare ~1-2mm dissemin q-v, c) one 1mm tourmal-c-q-v, @ 204.7', 25 TCT	60-65 TCT	FPP: High matrix Qi-P 1 grain of molybdenite seen
		Qi - Por greisen	532729, 205 - 208.0, ditto above, (to 185) Trace tourmal. High Matrix Qi-P. Py ~1%, po trace, dissemin and as small clusters, indiv. grains, spacing 1-2cm.	Rare veining: One 3mm xl-Q-c-pov at 205.4, 70 TCT	po/py ~ 1:5
		Qi - Por greisen	532730, 208.0 - 210.3, ditto above (to 185) Trace tourmal as widely scatt'd, large grains (0.5-1mm) No matrix chlos. High-Matrix Qi-P. Py ~0.5-1% dissemin and as small clusters, po trace. One 3cm q-(c)-v, @ 209.3, 80 TCT.	T-c-q-v offsetting 1.5cm q-c-v by 3cm	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Por greisen	532731, 210.3 - 213.0, ditto above (to 185') Accessory tourmal: single <sup>8</sup> xts and clusters, .5-1mm xts At 210.9, 1x5 cm patch of ag. seric, minor chlo, tourmal, carb. Py ~ 1-2%, po trace, as a) <sup>3</sup> large patches, 1-2 cm each in size, at 211.6-211.7. Py megacrystic, sievey, with trace po; b) diss'd. c) small (1-3mm) clusters.	One 3mm q-c-(py) vein at 210.7, 60 TCA	
		Qi-Por greisen	532732, 213.0 - 215.0, ditto above (to 185') Trace of tourmal. Py trace to 0.5%, po trace to 0.5%, diss'd. Fine dissem mainly po. Rusty, vuggy q-c-py vein, diss'd, at 214.7' ~ 75 TCA.		po/py ~ 1:1
		Qi-Por greisen	532733, 215 - 220.0, ditto above (to 185') Low seric matrix. Qtz eyes bimodal, mostly finer grained. Trace matrix chlo. Trace tourmal. Sulph mostly po > py. Po ~ 0.5%, diss'd. Rare 1-3mm py megacrysts, at 219.7'. Rare < 1mm dark chlo - joints ~ 20 TCA	Weak matrix fabric 50 TCA, 218-220'	Qi size ✓ seric matrix po/py ~ 4:1 No veins
		Qi-Por greisen	532734, 220 - 224.0 ditto above (to 220') Colour mid-gray (wet) with <sup>10%</sup> diffuse dk-gr patches (mottled), due to vfg diss'd black chlo? Low seric-matrix, Qi-smaller, ~ 0.5-1mm. Sulph <del>Py ~ 1%</del> po ~ 0.5%, trace cpy, as a) rare large sievey clusters 223.3 - 224.0, b) minor dissem, c) cpy in <sup>po-clusters and in</sup> q-v. Sulph clusters in <sup>50</sup> hi-seric Qi-Por and immed. beside cm-patches of ag xl-seric-q-c and-veins		

11.6-7

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			At 223.2, 1x3cm patch of fg Qi-Por Minor veinings, 1cm XL Q-c-v, 60 TCT, at 222.8; ~1-2mm c-dl-v, 5-10° TCT, 222.7 - 223.4. Hair. dl-v, 20 TCT, 222-223.	Fract + slickens, 15 TCT, 221-222	<p>QiP, mg. mg QiP c radial musc + carb. solution channel?</p>
		Qi-Por greisen.	532735, 224.0-228.0, ditto above (to 220') Low silic matrix. Trace chlor mostly with sulph clusters. Py ~ 0.5%, po trace, a) small clusters, b) chss'd. Trace tourmal, Trace cpy Tourmal. in places associ with po, cpy →		<p>po/py ~ 1:5 2mm Tourmal xlt intergrown with cpy, po, qtz 6mm</p>
		Qi-Por greisen	532736, 228.0-233.0, ditto above (to 220') Low silic, trace chlor, scatt'd large tourmal xlt's (0.5-1mm). Rare hairline veins, ~0.5-1% Sulph as a) fine chss, b) 2-5mm silty clusters (po>cpy>py) with q+ trace chlor + silic, in places with silty large tourmal intergrown with cpy, po c) most common: 1-2mm megacrystic py. Vugs: XL-Q-c, XL-Q-c-silic-py (5mm) - 75 TCT. HL dl-c, 231.5-232.0: 50% limonite-stained Qi-Por (Liesegang zoning).		
		Qi-Por greisen.	532737, 233.0-235.6, ditto above (to 220') Low silic matrix, scatt'd large tourm xlt's 2cm vuggy <sup>limonitic</sup> XL-Q-c-py vein at 233.5, 70 TCT 8mm XL-Q-c-py-vein with 30% py, at 234.0 - 60 TCT. Oxidized py, limonite-stained silic. 233.5-233.8'	Several 3-10mm q-c-v, 60-70 TCT, 233.5-234.2', 2-4cm spacing 60 TCT.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532737 cont'd Py 2-3%, a) in q-c-v, b) 1-2mm megacrysts, c) finely diss'd		
		Qi-Por greisen	532738, 235.6-239.3 ditto above (to 220) Medium <sup>abund</sup> seric in matrix. Accessory tourmal. Py ~ 1%, diss'd, po trace (with py). Rare 1-2mm c-dif-v, one ~ 1mm seric vein ~ 10 TCA.		po on py
		Qi-Por greisen	532739, 239.3-241.5, ditto above (to 220) Medium abundance of seric. Trace tourmal. Rare veining: 5mm <sup>xl</sup> Q-c-py-v at 240.3. ~ 75 TCA. Py ~ 1-2% <sup>fin</sup> diss'd, as 1-3mm clusters, in q-c-py -vein. Trace po, assoc'd with py.	Two 2mm, poorly defined q-v, 65 TCA	
		Qi-Por greisen	532740, 241.5-245.0, ditto above (to 220) Trace tourmaline, as large <sup>(1.5mm)</sup> scathe xtz. Py ~ 1% <sup>fin</sup> diss'd, with minor po, b) larger (1-2mm) clusters. c) linear clusters. Spacing of py-grains / clusters <sup>5-</sup> ~ 10mm. Rare 1-2mm q-v, 10-20cm spacing ~ 20-40 TCA		po on py
		Qi-Por greisen	532741, 245.0-247.5, ditto above (to 220) Medium abund of matrix-seric, <sup>(20-30%)</sup> trace tourmal. Py ~ 1%, po trace, as q) <sup>fin</sup> diss, b) small (1-2mm) clusters (antidial), in rare H-py-vein Minor veining: One 2mm seric-vein, trace 5mm xl Q-c-v		po:py ~ 1:10 to 1:20
		Qi-Por greisen	532742, 247.5-250.0 ditto above (to 220) Trace tourmal. Py 0.5-1% a) finely diss'd and b) 1-2mm clusters assoc'd with q+seric		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			532742 cont'd c) in a 4mm vein: seric-q-py-tourmal	40 TCA	
			Rare 1-2mm seric-q-v		
		Qi-Por greisen	532743, 250.0-254.0, ditto above (to 220) Seric matrix coarse flakes, in part radial sheafs, Seric est'm'd 30-40%. Accessory tourmal, large xts. Py 1-2% <sup>to 0.5%</sup> , po trace, as a) widely spaced (1-5cm) large (1-4mm) clusters, b) finely dis'd.		
			not Po as 0.1-1mm grains/clusters		
			Rare hairl c-chl-v, 2-10cm spacing	30-60 TCA	
			Two 3mm <sup>rusty</sup> XL-Q-C-V with 3-4cm limonitic halo (Liesegang)		
		Qi-Por greisen	532744, 254.0-257.0, ditto above (to 220) Medium abund of matrix seric. Trace chl, 1 trace tourmal. Py ~1%, po trace, -py trace in q-v). Py mainly as small clusters and chits. Minor veinling; Hairline c-chl-v, spacing 2-20cm	20-45 TCA	limonitic (Liesegang) pattern 256.2-256.6'
			One 5mm XL-Q-C-V 255-256.5, 20 TCA		
			One 3mm q-(po)-v, 35 TCA, at 256.9.		
		Qi-Por greisen	532745, 257-260.0 ditto above (to 220) Trace tourmal, Py ~0.5-1%, po trace, chit and a) 1-2mm clusters, c) in q-c-v. So rare 3mm -20mm <sup>xl</sup> q-c-(po) + <sup>tourmal</sup> veins, at 5-20cm spacing. limonitic alteration (Liesegang) 258.9-259.2: oxidation of py		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-Por greisen	532746, 260.0 - 262.7, ditto above (to 220) Trace tourmal, trace chlor spots, Scatt'd 1-2mm coarse (.5-1mm) seric patches. Py 0.5-1%, po trace to 0.5% as a) small clusters b) fine diss, c) in q-c-v. Three 3-8 mm Xl-Q-c-(±py, po) veins, ~30 cm spacing, 20-40 TCA.		po:py ~ 1:10
		Qi-Por greisen	532747, 262.7 - 266.0 ditto above (to 220). Seric matrix <sup>with</sup> rel. coarse (0.5mm flakes). No chlor. Rare trace tourmal. Py ~ 1%, po, cpy trace, as a) small clusters, b) fine dissom. c) in Q-c-seric-vein. Three 3 to 10 mm Xl-Q-c-ser(py) vein, at 5-10 cm spacing, in part with 1cm thick coarse 1 muscovite halo on each side.		po:py ~ 1:10 to 1:20  muscovite <sup>12x</sup> Q-c CG musc
		Qi-Por greisen	532748, 266.0 - 267.5, ditto above (to 266) Py 1-2%, po, cpy trace a) diss'd b) in veins. ~ 20% of sample interval made up of two 2cm and 5cm wide, irreg, anastomosing Xl-Q-seric <sup>py</sup> vein, with 5-10mm coarse musco- vite halo. Several 2-4mm py (po-cpy) sulph clusters in q-seric-vein.	Q-seric-v 60-70 TCA	
		Qi-Por greisen	532749, 267.5 - 271.2, ditto above (to 266) Py 0.5%, diss'd, po trace. <sup>No tourmal.</sup> Two ~ 3mm Q-c -veins, + minor py, with partial seric halo, ~ 20 TCA. ~ 1-2% matrix-chlor. Rare kaistone		No tourmaline po:py ~ 1:5 to 1:10



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			chl-c-py-v, crossing, ~20° TCA		$\wedge$ (1:10)↑
		Qi-Por greisen	532750, 271.2-275.0 ditto above (to 266) Matrix ~2% chlor; no tourmal, low seric (10-20%) Two cm-size patches of fg cherty Qi-Por 271.2-272.0. Py ~ 0.5% - 1%, po, 0.5-1%. Py mainly in a 2cm size sieve patch at 271.3, rare as dissem. Po, trace ep, mostly as fine dissem. Rare 1mm q-ser-v + py		po:py ~ 1:1 $\wedge$ po:py
		Qi-Por greisen	532751, 275-277.7, ditto above (to 266) Matrix low seric, trace chlor, no Tourmal. Py trace to 0.5% in 1-2mm clusters. po, trace to 0.5% a) fine dissem b) in q-c-chl-v. Three 1-3mm q-c-chl-(po,py)-veins. Propylized; 277.5-277.7, 30% chlor + biot, 1% py, 1% po	30 and 60 TCA.	
		Partly propyl'd F(Q)Por	532752, 277.7-280.0. Partly propylized feldspar-quartz-porphyr. F(Q)Por lt-gray, massive, mg. Boxy, euhedral and subhedral fsp phxts and minor Qi, in ~50% qtz matrix (flood-qtz?). No seric F(Q)Por being replaced by ~30% of matrix mg chl-biot-fsp-gtz-rods, with <sup>small</sup> F(Q)Por relicts, and with ~1% diss'd py cubes 277.8 - a 3cm wide, schistose, UM chlor biot-rod, 4mm cl-2mm c-v, c-chl-v at 3-5cm spacing crossing, 45-60 TCA.	Bria texture 565 TCA	No Sericite in matrix

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Trace py, cpy in F(Q) Par.		
		Partly propyl 26 F(Q) Par	532753, 280-283.5 ditto above (to 280.0) Various textures of mafic chlor-biot rock with ~20% partially replaced F(Q) Par, in two 10 and 20 cm portions:	in pat Bx <sub>2</sub> texture	
			280.0-280.7 and 281.7-282.1. Minor c-q-v lmm and one 10mm c-q-v at 282.7. Py 0.5-16, as cubes in mafic portions, no cpy trace, in F(Q) Par and mafic rock	20-40 TCA	
		Partly Propyl F(Q) Par, fg Q: Par, Mixed	532754, 283.5-284.4 ditto above (to 280). -F(Q) Par ~40%, mafic chlor-fsp (wt, sulph) rock ~40%; fg Q: Par ~20%. At lower contact of propyl'ed, chl-fsp-rock (284.2) a 1x4cm cluster of cubic py (~2%) and diss'd cpy (~10 to 0.5%)	contact FQP to propyl ~30 TCA.	
		? Propyl'ed F-Par?	532755, 284.4-290.0, Propyl'ed FQP-Par? 90% of interval is a homogen. mafic, w.g. chl-biot-fsp rock. 289.9-290.0 Bx <sub>2</sub> texture, 20% F-Par relicts, 30% fg, sharp-textured qtz-diorite, ~10% dk green, chlor-rich Q: Par, with bluish Q: Par. Minor network of lmm c-v Trace diss'd py and in a 4mm c-py-chl-v,	contact propyl to fg Q: P. 75 TCA.	
		Partly propyl'ed F-Par.	532756, 290.0-292.3, ditto above (to 280) Lt gray F-Par being replaced by ~25% 3-5 cm size mafic / UH chl-biot (fsp) rock. ~2% sphene in chloric rock. 0.5% diss'd py. One 10mm x l-q-c-v, a few hair c-chl-v	10-30 TCA.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Propylid F-Por?	532757, 292.3 - 295.2, ditto above (to 290) Approx 20% F-Por relic (293.0-293.8). Intersect mostly mafic rock, cut by 2 cm Q-c-v. — 292.8-293.2, ~20 TCA		
			292.3 - 293.0 fg brownish, mafic biot-act-fop rock, flattened		
			293.0 - 293.8 80% F-Por + chlor patches		
			293.8 - 295.2 fg-mg, mafic chlor fop-(biot) rock		
			Trace <sup>to 0.5%</sup> chlorid py. 3mm xl Q-c-biot-act-v + trace po, apy, → 25 TCA		
			Large (2-5mm) py-clusters in q-act-sulph-vein + 5mm, ~70 TCA, at 293.8, with py, 3mm medly blonite grain,		trace Fe only
		?	trace cpy.		
		Propylid F-Por?	532758, 295.2 - 297.5 ditto above (to 290) ~10% relic F-Por, ~90% variously textured mafic rock. Trace py, minor lms. c-v.		
			295.2-296.5 ~50% relic F-Por		
			296.5-296.9 fg-UM-mafic chlor-rock		
			296.9-297.5 mg, 'stochy fop-calc?'-chlor- biot rock.		
			At 297.3 3mm q-c-act-v + py.		
		Mixed zone: Qi-Por, F-Por (zone 'B')	532759, 297.5 - 301.8 Predominant mafic (~50-60%) of fg Qi-Por hosting cm to dm- relics of mg fop-phosphoy.		Outlines of F-Por fragm. in places diffuse, difficult to define within 5mm.
			297.5 - 300.8 Qi-P with ~10-20% F-Por fragm.		
			300.8 - 301.8 mainly F-Por, with Qi-P dykes.		
			Veining: ~30%, cm-thick, imp. Q-c-v 298.3-299.0 → 25 TCA		
			Minor hair. c-act-v, 1-2cm spacing.		
			Qi-P, fg-mg, high-gr, ~10-20% fg chlorid chlor.		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Trace diss'd py, po. Trace po, cpy in q-v, as rare 1-2mm grains.		
		F-Par, Q-F-Par + Q-po-vein	532760, 301.8-302.9 F-Par and F-Q-Par cut by 5cm qtz-po-vein. Matrix is mg Q-F-Par, hosting ~20% cm size F-Par inclusions. 5cm c.g. Xl-Q-po py-(c, b, cpy) vein, 50-60 TCA. Total sulphabund. In interval: 10% po, 2% py, 0.5-1.6 cpy. A 1cm q(c)-v + 1.6 po, cpy.		in vein: Xl size (q, po, py) 5-15mm
		F-Q-Par partly propyl'd	532761, 302.9-306.4 ditto above. ~50% white F-Par permeated by <sup>green</sup> gray, mg F-Q-Par / Q-F-Par. Biot is permeated by ~30% cm size, chlor-rich patches (propyl). Trace py, po, diss'd. Minor veining: Two 10mm q(c)-v, .45-60 TCA; a few veinlets q-chl-v. 3cm q(c)-v at 305.7 ~ 65 TCA	Bx in texture	
		? Propyl'd F-Par?	532762, 306.4-307.25, Mafic, mg, massive chlor-biot-fsp(qtz) rock. NO F-Par relicts. 0.5% diss'd py.	Sharp, irreg. lower contact ~70 TCA	
		F-Par, partly propyl'd, Q-F-Par	532763, 307.25-312.25 ditto above (to 306.4) F-Par as in-situ breccia, permeated by ~50% cm-dim matrix areas of dark, mafic to qtz-rich, chlor-biot-rich (propyl'd) rock, commonly with <sup>1-1.5%</sup> blueish qtz eyes. Dark, chl-biot rich portions textly strongly variable. Some of mafic round (cm size), sharply outlined portions seem to	in situ Bx in	F-Par seems to be intruded by finer grained, chl-(biot) rich Q-F-Par.

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Ice inclusions. Py trace to 0.5%, po trace. Py as ~1mm cubes in chlor-biot portions One 1cm - q-v: 309.3, 50TCA.		
		F-Por, partly propylid Qtz(F)Por matrix	532764, 312.25 <sup>(c)</sup> - 316.9, ditto above (to 312.25) F-Por <sup>(ch)</sup> , in-situ bxta, ~30% dark, clastic-rich matrix ('diortite'), ~10-20% qtz-rich (blue-gray) fg-wg Qtz(F)-Por matrix. Py, po trace, disid. ~5% cm thick, irreg. eq xl-Q-c <sup>(ch)</sup> -vein/patches ~ 15 to 45 TCA + trace po, py	in-situ bxta	
		Propylid F-Por? 'Qtz-Dior' fg Qtz-F-Por	532765, 316.9 - 318.3, similar to above - Interval mainly 'salsophytic' qtz-diorite, mafic biot-rich, qtz-rich rock, permeated by ~25% cm-wide streaks of white and blue q-v. 316.9 - 317.3 bxta: F-Por fragments in fg, dk brown, biot-rich igneous rock, - ? Qtz-Por? (mainly microxtl fsp, biot). Py 2-4%, as clusters, cubes, Py trace, ep trace.	← Bxta texture	
		Propylid F-Por Bxta	532766, 318.3 - 320.3, similar above (to 312.25) Mafic, mg, chl-biot-fsp rock, of variable texture, hosting (319.4 - 320.0), ~10% cm size F-Por relicts. Foliated, fg mafic rock 318.3 - 318.7, Py 0.5-1%, as a cluster of large (2-5mm) euhedral grains / megacrysts 320.0 - 320.3.	Bxta texture ~ 30-45 TCA	
		UM chlor	532767, 320.3 - 325.0, ...		? Propylid F-Por ??

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Rock	532767 cont'd Homogeneous, massive, <sup>blotchy</sup> c.s. - UM chlor-(carb)-rock. NO F-Por relicts. Py trace. Minor 1-3 mm carb-talc(?) veins.		chlor/amph xls 1-5 mm, equant random orient.
		UM chlor-Rock	532768, 325.0-332.9, ditto above (to 325). Homogeneous, massive, mg-cp, mafic-UM chlor (---carb) rock. <sup>few</sup> Widely spaced (30-50cm) 1-3 mm talc-carb-veins. Py, po trace, diss'd.		? Propyl'ed F-Por ?? talc-carb veins.
		Partly propyl'ed F-Por.	532769, 332.9-334.8, F-Por part replaced by ~30% biot-rich (minor chlor, fsp) matrix. <sup>In-situ</sup> Breccia. 332.9-333.1 UM fg biot-chlor schist, 15 mm qv, 65 TCA. 2% py, 0.5% po, trace cp. Py as clusters of ~1 mm cubes, mineral as linear stringers in biot. veins.	Replacement Breccia	
		Propyl'ed F-Por? ('Qtz-Diorite')	532770, 334.8-340.0, Homogeneous, massive, mg fsp-biot (chl, qtz) rock with igneous relict texture? (~qtz diorite). Composition intermed - mafic. ~3-5% bluish qtz patches ~10.5-1% cubes, trace po, trace cp. Locally ~5 cm clusters of 2-3% py cubes. Trace mt. Rare 1-3 mm c-chl (biot) ± py veins, ~30-50 cm ~ 20-60 TCA spacing. One 2 cm q-v at 338.6, 60 TCA.		'Qtz-diorite'. Sulph specks ~10mm spacing.
		? Propyl'ed F-Por? ('Qtz Dior')	532771, 340.0-342.1, ditto above (to 340.0). cg 'Qtz-diorite', 1% mt, 5% bluish qtz, trace py		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			as cubes, trace of cpy. Minor 1-3mm c-chl-biot-v, 20-30 TCT with trace py		
		Propyl'd F-Par. (Qtz-Dior + incls)	532772, 342.1-345.0' ditto above (to 334.8) Matrix of variously textured 'qtz-diorite' hosting ~ 20% cm-size relicts of F-Par. Some (~15) 1-2cm size, of mafic inclusions, sharply outlined (chl-biot-carb) Several 2-5mm, bifurcating blue q-v. Common 1-5mm blue qtz patches. Py trace to 0.5%, scatt'd 1mm cubes, in places clusters.	Bxite texture	
		Propyl'd F-Par (Qtz-Dior + F-Par inclusions)	532773, 345.0-347.8 ditto above (to 334.8) Variously text'd 'qtz-diorite' hosting ~ 10% inclusions (relicts) of F-Par. 2cm q-(py,pc)-v at 346.5-346.7. Minor 1mm q-c-v, chl-c -v, w-30TCT, ± py. Py ~ 2%, diss'd and in linear clusters. Po trace to 0.5%.	Bxite texture 30 TCT	
		Partly propyl'd F(Q) Par, Matrix (Qi-P)	532774, 347.8-349.8 similar above. In situ Bxite. 347.8-348.5 'qtz-diorite' with 10% F-Par fragments. 348.5-349.8. F(Q) Par permeated by 20-30% cm areas and network of a) mag <sup>g</sup> qtz-dior, b) of mafic / UH patches (incl: c) dk gra-sy, chlor-nik, qtz-nik, cherty Qi-Par d) lt sy, chlor-poor mag Qi-Par with diffuse borders to F(Q) Par. Common kaistite chlorite, 1cm spacing, F(Q) Par. Py ~ 0.5%, as/dtrn. and clusters, in mafic chlorite areas b) mag-vq	Bxite texture One 8mm q-py-v, 30 TCT, at 348.7.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Trace py, dissd.		
		Propyl <sup>?</sup> F-Par	532775, 349.8 - 355.0 sim. Tax to above	Bx texture	
		(Qtz-Div F-Par inclusions)	(to 349.8) 3 textural subdivisions: 349.8-352.2 coarse Qtz-diorite (3-10 mm <sup>2-3</sup> ) 352.2-353.0 mg Qtz-dior, showing 'ghost' Bx texture: ~30-40% cu, brown (to strik) inclusions.		
			353.0-355.0 F-Par, Bx texture, permeated by ~40% dark matrix: Qtz-diorite, variously textured, Py 0.5%, as scatt'd cubes.	Bx texture	
		Propyl <sup>?</sup> F-Par (Qtz-Div with F-Par inclusions)	532776, 355.0 - 359.0 ditto above. Various textured Qtz-diorite with ~40% cu-dm F-Par inclusions (angular, <sup>to 60%</sup> round, embayed). F-Par portions cut, 1-2 cm spacing, by Hk c-chl-v, crossing ('Crackles-Bx'). On 3mm blue q-v 40 TCA. Trace py, cubes.	Bx texture	Sharp lower contact 30 TCA
		? Propyl <sup>?</sup> F-Par? UM-chlor Rock	532777 359-362.3 Ultramafic, massive, c.g. chlor (amph) rock, with 5-10% cu-size F-Par inclusions/reliefs; some ~3% mm-size blue Qtz-patches (in part - vein?). Trace dissepy		Sharp grad. lower contact ~60 TCA.
		F-Par	532778, 362.3 - 363.3, F-Par porphyry, permeated by ~10% mm-cm Kf-Q-c-v; fg chert, Qi-Par; mm-spaced ha. il. q-v, q-c-v, chl-c-v, ~0.5% disse-am-vein-py		



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Propylite F-Por? (Diorite)	532779, 363.3 - 367.4, Homogeneous, massive, mg, mafic rock; Diorite. Subophitic texture. Fsp-amph-chl, Fenapa 30-40% Bas (~16) cm size F-Por inclusions, one 2 cm blue qtz (top) patch. Trace diss'd py		
		Partly propylite F-Por. ?	532780, 367.4 - 369.1. F-Por with ~1 ft exposure of diorite - matrix hosting ~30% cm-size F-Por clasts/relicts. Trace py	Bx texture, Sharp contact diorite to F-Por 15° TCA, 368.5 - 368.9.	
		Partly propylite F-Por? (Diorite with inclusions)	532781, 369.1 - 371.8, ditto above. Qz-Diorite matrix, variously textured, hosting 20-30% F-Por inclusions. Fg, porph'c Diab. Dyke 370.7 - 371.1.	Bx texture Diab. Dyke <del>Dike</del> / <del>Dike</del> / <del>Dike</del> converging contacts, 40° TCA incl.	
		UM (propylite F-Por?)	532782, 371.8 - 374.5, ditto above (to 362.3) Homogen, massive, mg-cg, chlor-amph rock. A few F-Por inclusions and fsp-bearing mafic areas 374.0 - 374.5. Trace diss'd py		? propylite F-Por?
		UM (Bx)	532783, 374.5 - 376.7, UM chlor-amph rock ditto above (to 374.5), with a 20cm F-Por inclusion, with chlor-fsp - 5cm halo, at 374.5 - 375.3. Trace diss'd py	Bx texture Sharp grad <sup>low</sup> contact 40° TCA	
		Partly propylite F-Por + qv	532784, 376.7 - 377.3. F-Por, intensely permineralized, at 2-5 mm spacing, by natural of kaolinite biot-v and chlor-v. Two q(c-chl) -py-relict. a) 4cm thick with a 20mm	q(c-chl)-py-v 65° TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			patch of py (po), b) 20 mm q-(c-dk)-v		
			Minor po, py in biot-dk-v-net veins, and in	biot-halo of q-v, as 1 mm cubes	
			Total estim'd sulph abund: Py 5%, po 0.5%		
		Partly Propyl <sup>id</sup>	532785, 377.3 - 381.5 ditto above (to	Broccia texture	
		F-Por.	Approx 1/3 F-Por, ~ 2/3 text'ly strongly variable		
		(Bx, Q-Dior)	mafic qtz-diorite matrix with F-Por in-		
			clusions. Minor felsic F-Qi-Por matrix in		
			immediate vicinity of in-situ-Extd F-Por (? location?)		
			Minor opaque-UM, fg biot-dk patches (5 cm d)		
			with blue Qi. Trace diss'd py. Minor veining:		
			Rare 1-2 mm bluish q-v, hair. c-dk-biot-v	~ 50-65 TCA	
			Py: trace, diss'd		
		Partly Propyl <sup>id</sup>	532786, 381.5 - 382.4 ditto above (to 381.5)	Plex texture	
		F-Por?	~ 10% cm size white F-Por inclusions in		
		(Bx, Q-Dior)	texturally strongly variable, biot-rich, Qi-diorite		
		+qv	with subophic texture, 3-10 mm Q-sulph-vein	~ 80 TCA,	
			with diss'd sulph halo, ~1cm. Sulph, in vein:		
			Mainly po, py, minor cpy. Total estim sulph:		
			po 3%, py 1, cpy 0.1-0.5%.		
		F(Q) Por	532787, 382.4 - 386.7 F-Por permeated	in-situ oxidation	
		Bx <sup>Matrix of</sup> Qi-Por?	by ~10% network of a) in fine (mm) cracks;		
		Q-Diorite	fg, qtz-rich, felsic, F-Qi-Por + po, py, b) in		
			cm-10cm areas; fg-mg, biot-dk-rich,		
			text'ly st. variable qtz-Dior; c) minor UM		
			fg dk-biot patches + 2% diss py. Estim'd	Slap lower contact at	
			total sulph: Py 0.5-1%, po trace	45 TCA	




FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		UM	532788, 386.7 - 388.4, ditto above (to 374.5)	5 mm q-c-dk-v, 20 TCT	? Propyl'd F-Par?
			Cg, massive, chl-amph-biot rock. To 387.0	at 387.2 - 387.5	
			biot-dk (fsp)-rock, weak schistosity 60 TCT.		
			l q-c-dk-v + trace py, trace molybdenite	Good, lower contact	← Moly
			Overall sulph: Trace py. Lower contact	35 TCT.	
			zone 2 cm, with 10% blue grt in fg chlorite.		
		F-Par,	532789, 388.4 - 390.2, ditto above (to 386.7)	Bxia-texture	
		partly propyl'd	In situ - lxt'd F-Par, F-Par permeated by		In situ - lxt'd
		Bxia	50-60% matrix of texturally + compositionally		
			lightly variegated diorite, grt-diorite, biot-dk-rich	Sharp lower contact ~ 30 TCT	
			schist. Base grt eyes in most matrix types.	between UH chlorite and Qi-P	
			Trace diss'd py		
		Qi-Par,	532790, 390.2 - 390.8, fine grained, cherty		
		fg cherty	Qi-Par (lt gy, minor chlor-veins), hosting	Flow-lines, ~ 40 TCT.	
			1/4 to 1/2 cm of F-Par inclusions. Weak flow-lines	Sharp lower contact 65 TCT	
			No sulph traces, lower contact marked		
			by ~ 10 mm chlor-rim		
		F-Par inclusions	532791, 390.8 - 393.7 ditto above (to 390.2)		Intrusive lxt'd
		+ Qi-P Q-Dior matrix	Intrusive Bxia. Texturally strongly variegated		
			grt-diorite to F-Qi-par (chlor-rich) hosts		
			30-40% cm-scale F-Par inclusions.		
			A few 2-10 mm blueish grt-patches. Trace py		
		Qtz-Diorite	532792, 393.7 - 396.9 mg-eg, massive	in part + Bxia.	? Propyl'd F-Par?
		(i.p. Bxia)	grt-diorite. Subvolcanic. As Bxia matrix		
			396.4 - 396.9, hosting 30% F-Par inclusions.		
			Minor cl-2 mm c-dk-v, c-biot-v, q-v ~	45-65 TCT,	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		UM	532793, 396.9-397.7 ditto above (to 388.4) massive chl-amph-biot rock, 1/2 of interval. 397.4-397.7 Bx1a: F-Por inclusions in mg Qi-lsating qtz-dia (Qi-Por?) 1mm c-v ~ at 2cm int. Rare trace py	45-55 TCA	
		Qi-Por, fg (MizoneC)	532794, 397.7-401.1 Fine-mg Qi-porphyr 20-30% 0.5-1mm bluish Qi in fg qtz-fsp. -matrix + minor chlo, biot. In upper 1/2 matrix has ~30% chlo, Py 1/2 <sup>th</sup> chlo, as cubes and assoc'd with chl-c-v. Po trace, near c-dt-v. ~1cm spaced, // trail. c.v	40 TCA.	
			397.7-398.0. 400.2-401.1 <sup>vege</sup> Bx1a: Qi-P matrix permeating F-Q-Por, mg. Two 2x3cm inclusions, of fg mafic biot-chlo-rock with ~3% diss po + py.		Bx texture vague. Differences in compo. and texture are small.
		Qi-Por (F-Por inclusions)	532795, 401.1-402.4, similar above (to 401.1) mg, qtz-rich Qi-Por matrix hosting white F-Por inclusions and ~10% mafic chl-biot-(py) patches. Total py estimated 1-2%. A 3mm bluish q-v is overgrown by 10mm po-rich propylitic chl-biot patch, No. Propylitization <sup>here</sup> is later than q-v. Py as cubes (1-3mm).	Bx texture	Propylitization + po later than Q-v: chl-biot q-v po 10mm
		Qi-Por (F-Por inclusions)	532796, 402.4-404.3 similar above (to 402.4) 487 fg-mg. Qi(F)Por, and dark gy, mg Qi-dioite	Bx texture	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			as matrix, host'ing ~ 20-30% F-Par inclusions, As above (to 396.9) a <sup>3</sup> Talc q v ls interrupted / overgrown by later c.g. chlor-biot-gtz-diorite. A 5-10 mm q-v ~ 10 Tct, has poorly defined borders to Qi(F)-Par and F-Par. Py ~ 0.5-1% as cubes in biot-chlor-nik patches		
		F-Par (Qi-F-Par)	532797, 404.3 - 409.8 ditto above. White, gte-nik F-Par permeated by 20-30% siliceous, lt. g, fg-mg Qi-F-Par with minor mafic, biot-chlor-nik portions ~ 5% 2-4 mm q-v with poorly defined outlines to F-Par. and Qi-F-Par. Minor host. q-biot-v in Qi-F-Par 1-3 cm spacing, crossing 20-60 Tct. Trace disse' py, py	Bx in-situ	outlines of F-Par fragments commonly ill-defined.
		Qi(F)-Par (F-Par)	532798, 409.8 - 411.3 Similar to above (409.8) but predominantly gte-rich Qi(F)-Par, minor white F-Par inclusions, minor (5cm) chlor-biot bearing Qi-P with 1-2% disse py. 8 mm g(dk-py) vein. 410.5 - 411.3 gte-nik. gte-dior stringers sharply grading to high-gte FQ-Par.	Bx ~ 30 Tct ~ 15 Tct.	
		F-Par (Qi(F)-Par) Bx	532799, 411.3 - 415.0 ditto above (to 409.8) In situ - Bx. White gte-nik F-Par, permeated at cm-scale, by ~40% stock work of siliceous, fg-mg, variously biot-nik Qi(F)-Par, 1-2 mm q-v (poor outlines) at 2-4 cm spacing. Hairline to 1 mm q-biot-py veins, crossing,	in situ Bx	In situ Bx.

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			at 1-3 cm spacing. Py, po, each trace to 0.5%, epy trace, dissd and in hoild. veins. Py mostly in clusters in some bit-mlk Qi-P phases.		
		'Propyltd F-Por?	532800 415.0-416.2 Interval ~80% fg, bit-rich, fsp-gte-rock, with minor of F-Por, and a 2 cm x 2.6 cm lg xl-Q-c-Graphic intergrowth of fsp and gte, at 415.0-415.2, Trace dissd py.	~40' TCA	'Bit-mlk Qi-P? GG = graphic granite
		F-Por (Qi-F-por) Bx	532801, 416.2-420.8 ditto above F-Por permeated by 10-20% fg-mgt <sup>fsic</sup> Qi-Por and cm-size clast, bit-rich, Qi-diorite, in places apparent gte-flooding of F-Por and common (1-2%) 2-5 mm <sup>anh.</sup> blue gte patches in Qi-P and gte-dior matrix. Minor green clasts with gte. Minor veining: hairline to 1mm q-v, c-g-dior at in places, 1-3 cm spacing, 30-45 TCA. Py trace to 0.5%, mainly as clusters in chlo-rich Qi-Por.	in-situ - 6x1a	
		F-Por (Qi-Por) Bx	532802, 420.8-422.8 ditto above (to 420.8) F-Por, in-situ - 6x1a. ~40% fg clast (bit-dior) Qi-Por / gte-dior as much as dm patches, replacing F-Por lower 1/3 is F-Por with chloie 'Crackles' Bx, + dissd py, po, at 2 <sup>to 10 mm</sup> mm spacing. Py 1-2%, po trace, dissd in fg, & k gte-dior and in chloie crackle bxs.	in-situ - 6x1a 'CRACKLE Bx	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qtz Dior	532803, 422.8 - 427.9, Qtz-Diorite,		? Propyl <sup>1st</sup> F-Par?
		(? propyl <sup>1st</sup> Qtz-Dior?)	cg, massive, <sup>homogeneous</sup> sharp texture. Accessory sphene - leucor. Minor veining: c-dl-g. locally (422.8 - 423.2) closely spaced (stock work) ± 1mm c-dl (± py) - v. Pgs 2-5 mm - c-g-v, ~ Py ~ 0.5%, as <sup>local</sup> clusters of 15-1mm cubes, rare clissen.	15 TCA, 30 TCA	
		F-Par, Bx ip propyl <sup>1st</sup>	532804, 427.9 - 429.8, ditto above (to 420.8) 2/3 of interval, to 429.0, as in-situ Bx: F-Par, interbedded and partly replaced, by fg, dark chlo-biot rich Qi-par, 10 mm <sup>xl</sup> c-v 20 TCA, at 428.8 1/3 of interval, 429-429.8, mafic rock: Subophic fsp-dl-biot-gte (Q-Dior?), Trace disse py	in-situ Bx	
		F-Par, s Qi-F-par	532805, 429.8 - 432.3, ditto above (to 420.8) Upper contact to mafic rock marked by 2 cm zone (in F-Par) of qtz-fluorine, heavy chl-py-v at mm- spacing and linear py-stringers (1-2mm <sup>py</sup> xths) In situ Bx, ditto to 429.8: <sup>white</sup> F-Par as ~ 20% vague inclusions in prodom. (~80%) med-gy, mg Qi-F-Par, ~ 5% dk, biot-dl-nil fg Qi-P/Q-Dior! Common heavy, q-dl-v, crossing, 1-3cm spacing, ± py. Py trace to 0.5%, and in varlets.	Sharp, irreg lower contact 65 TCA	
		F-Par + Qi-F-Par (green?)	532806, 432.3 - 437.3 ditto above (to 432.3) mg, gy, qtz-rich Qi-F-Par matrix with ~0.5% finely disse'ed po. Hosts 20-30% vaguely out- lined, white, barren F-Par inclusions.	in situ Bx	Matrix Qi-F-Par no secte! Incl ~ 5% biot PO ~ 0.5%

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Rare ~1 mm c-dl-v. Matrix Qi-F-Par has no seric, but ~5% fsp biot. 50-60% bluish qtz. Py 0.5-1% qsp ~0.5% as all mm-10 mm clusters <sup>no biot</sup> b) in veins, 436.5-437.3. Trace molybdenite in 4 mm q-v ~ of. 436.3. Trace cpy in biot-rich patches.	75 TCA, at	po:py ~ 1:1 = Motz
		F-Par + qv	532807, 437.3-437.9, ditto above (to 432.3) F-Par, + Qi-F-Par, cut by 4 cm q-v, with minor patches of seric-po-py-carb. Minor diss'd po, py adjacent to host rock F-Par. Total py ~ 0.5%, po trace	60 TCA.	
		Qi-Par (greisen?)	532808, 437.9-440.1 Qtz-eye porphyry (greisen?). ~40% 1-2 mm bluish qtz eyes in matrix of fsp, ~5% chlor patches, trace carb, seric (16%). Common hairline chl-c-v, 1-5 cm spacing, 30-60 TCA. Several 10 mm q(c/py)-v. Po ~ 0.5%, py ~ 0.5%, dss and in veins.		= Qtz eyes round  square  , dss  More seric (~10%) near lens q-v
		Qi-Par (greisen?)	532809, 440.1-445.0, ditto above (to 440.1) slightly more seric (5%-10%) / Q-v, 1-3 mm 10-25 cm spacing <sup>dss</sup> Po, py ~ 0.5% each, cpy trace, with po.	30-50 TCA	No Yournal. Very homogen, massive, hard, competent rock
		QIF-Par greisen?	532810, 445.0-450.0, ditto above (to 440.1) As above, with some boxy fsp peroxs, beside bluish Qi. Po, py, cpy trace to 0.5% (all) as fine dss and in hair q-v, q-c-v.		Spacing of 0.1-0.5 mm sulph grains ~1 cm. (5-10 mm)

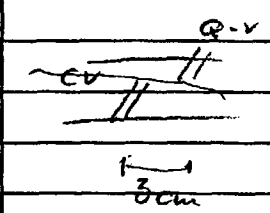
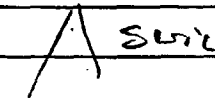


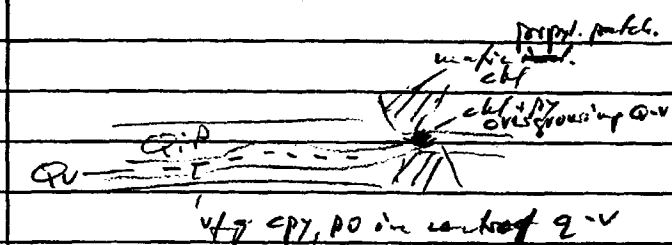
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Spacing of hairl. chl-c-v <sup>and q-v</sup> in some portions 2-5 cm; generally 5-10 cm	30-50 TCA, crossing	
		Qi-F-Par (green?)	532811, 450.0 - 455.4 ditto above (to 440.1) 451.4 - 453.0 more fsp, less qv. Fsp white 1 cm q-v at 451.4, 40 TCA. Rare hairl veins. Trace diss'd po, cpy	3 mm c-v at 455.2, 35 TCA	hair po: cpy ~ 1:1 NO py, no tourmal.
		Qi-F-Par (green?) Mixed Zone C'	532812, 455.4 - 456.8 ditto above (to 440.1). with: a) 5 cm patch of fg cherty Qi-Par, at 455.5, b) 5 cm cpy xl - q-v <sup>bits</sup> with unsharp boundaries, c) cm - size - vhl patches, d) fg. fsp-q-bit rock (inclusion) 456.5 - 456.8. Trace diss'd po, py, cpy.	45 TCA Skip lower contact 65 TCA	
		Qi-F-Par Mixed Zone C' green?	532813, 456.8 - 460.0 ditto above (to 440.1) Trace chlor, seric. Rare hairl c-dl-v, 2-4 cm spacing. Trace diss'd po py cpy and xl po in ~ 1 mm qv 457.5 - 460.0. One 4 cm patch of fg cherty Qi-P.	45-60 TCA	
		Qi-F-Par green? + F-Par	532814, 460.0 - 462.8 ditto above (to 440.1) White, barren F-Par (~50%) is permeated by ~50% blue-gy, weakly po-bearing, Qi-Par. Qi-Par is clearly, metasomatically, replacing F-Par along ~5-10 cm wide zones of Qi-Par. 1-2 mm qv <sup>+po</sup> , 2-5 cm spacing, in Qi-Par only. In Qi-Par: ~0.5% diss'd po, trace cpy, py	no lxxia texture Boundaries between F-Par and Qi-Par ~ 15-20' TCA 2-10-20 TCA and ~60 TCA,	← metamorphic repl. of F-Par by Qi-Par!?
		F-Par partly propylated	532815, 462.8 - 465.0 462.8 - 4642.0 F-Par replaced to 50% by fg - mg	At 463.0 3 mm q-chl-py vein, 80 TCA	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			biot-rich Qi-P + trace py, in veins and disse		
			464.2 - 465.0 mafic chlor-biot rock, minor fsp, + trace qtz Trace py	schistosity ~ 35 TCA	
		F-Por, (Qi-Por), partly propyl	532816 465.0 - 467.6, ditto above (to ... white F-Por intruded by / replaced by ~ 60% biot-chlor-rich Qi-Por = propyl. Narrow portions between F-Por fragments (7 py, low biot, Scat'd 5-10mm blue qtz patches in biot-rich Qi-P. Py trace to 0.5%, commonly associated with 1-2mm q-chl-v, 10-25 TCA.	in-situ replacement lxxix	
		F-Por (trace Qi-Por)	532817 467.6 - 469.0. white P-Por permeated by ~ 5% qtz-rich + minor biot f Qi-Por, as 2-10mm diffuse dykes. Locally q-v at 1cm spacing. One 10mm 'qtz-vein' with small fsp phxts and trace po epy. Overall: Trace to 0.5% py, mostly in q-v, tr. no epy	weak in-situ lxxix dyke? 35 TCA	
		F-Por + q-py-v	532818, 469.0 - 469.7 ditto above (to 469) F-Por, cut by 5-7cm thick q-c-py-chl-v, Vein anastomosing, encloses stopped-off well-rock raft. Py as 1x5cm megacrystic <del>lines</del> patches in vein. Chlor mainly as rim-maps	~ 10-30 CTA	
		F-Por Qi-Por (greisenization?)	532819, 469.7 - 472.9 <sup>above</sup> similar (to 462.0). F-Por, permeated, but calc-dm scale, by ~ 40% fsp-mg Qi-P / qtz-flooding / qtz-chlor / chlor / anastomosing, closely spaced q-v-	in-situ lxxix	greisenization. <sup>Q</sup> Metasomatism

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			stockwork. Commonly, diffuse hematite between F-Par and Qi-P and q-v. Po ~ 1%, as 1 to 5 mm patches in q(dbl)-sulph-v. and in biot-wk Qi-P. Py ~ 0.5%, in biot-v. epy trace		
		F-Par	532820, 472.9 - 475.3, ditto also re. (to 472.9)	in-situ Gx10	
		QIF-Par (grecianization?)	F-Par, as in-situ-bx, being replaced/greisen? by ~ 50% Qi-P (a) high q/low biot b) high biot-chlor. F-Par as cum-relicts. 473.2-473.6 UH biot-chlor-rock, with trace Orwell sulph, estimated: Py 0.5%, po trace. Rase ~ 1 mm q-biot-v ~ 10 TCA, Ore 3m c-dbl-q-v 15 TCA.		G6: Some mm-1cm areas of fine graphic fsp-q intergrowth
		Qi-Par (propylized F-Par)	532821, 475.3 - 476.3 ~ 60% fsp <sup>biot</sup> matrix biot-chlor-fsp rock, ~ 40% fsp-mg Qi-P, chlor-rich, common blue Qi, hosting ~ 20% mm-cm F-Par inclusions. Trace purple bl. py.	Sharp lower cont. 55 TCA. → fabric 45 TCA. → Bx10 - texture	
		F-Par and QIF-Par, (F-Par partly propylized)	532822, 476.3 - 480.1, ditto above. F-Par (white fsp, 40-50% qtz) as looking partly (~50%) replaced by texturally highly variable QIF-Par (qtz-diorite, mostly dark: biot, chlor, in part mafic composition. F-Par as cum-dm relicts/inclusions. Qi-F-Par: pl. flow banding. Qi-F-Par mostly high qtz (blue) Relict F-Par cut by stockwork of HL q-v, chlor-v, 1-2cm spacing, Py ~ 1% <sup>MoS2</sup> po trace, cemented in mafic, biot-chlor <sup>and</sup> patches, epy, trace,	in-situ biot Gx10 texture flow banding ~ 70 TCA local schistosity of mafic chl-biot 50 TCA.	H. Moly

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Propylized areas in part of, subopk' qtz-diorite. Some 1cm bluish qtz patches.		
			Repl of F-Por along embayed margins evident. Trace metylenite (1 flake)		
		F-Por	532823, 480.1-484.1 ditto above (to		
		Qi-F-Por	475.3) <sup>with Fe</sup> F-Por (barren), partially greisenized		
		greisenization?	Metasomatic replacement by <sup>~40%</sup> gray, high-qtz	1cm K1-q-dbl-v, 50TCA	
		Mixed Zone C	Qi-F-por (as cm-d in part work), ~10% of, chl-biot-ill qtz-dior. ca 5% fg cherty	at. 482.0	
			Qi-Por, cm-spaced <sup>to 2mm - c</sup> hair qtz-chl-v, ± sulpl. ~ 20 to 45 TCA		
			Py, po, cpy trace <sup>to 2mm - c</sup> in HL-veins.	'Crackles P <sub>x</sub> '	cpy > py, po
			In several HL-veins, ~80% of sulpl is cpy!		
		Propylized	532824, 484.1-486.7, mafic mag. matrix, One 5mm c(q)-v 60TCA		
		F-Por?	subopk' chl-biot-fsp-rods, Two 5mm ~ 70 TCA		
		(Mafic rock)	dykelets of fg cherty Qi-P. Rare trace py	Sharp irreg. lower contact 70 TCA	
		Qi-Por	532825, 486.7-487.5, Qtz-eye - porphyry, fg-mag, white/lt gy. Prodom <sup>ff</sup> q-fsp ground mass, trace dlar. Scat'd ~5% 0.1-0.5mm Qi.		
			One 10-15mm q-po (cpy)-vein. ~ 40 TCA		
			Po megacryst in q-v 15mm size. A 8mm cpy cluster in q-v. Total po 3-5%, cpy 0.5%		
			Trace stria in joints.		
		Propylized	532826, 487.5-488.2 ditto above (to 486.7)	fabric - 65 TCA	
		F-Por?	Weakly schistose mafic, mag. all-biot-fsp-q-rods. 0.5% py cubes. Minor c-q-v, 1-3mm, 1-5cm spacing, 50-75 TCA.		
		(mafic rock)			

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qi-F-por (green?)	532827, 488.2 - 492.0, mg Qi-F-por, Bluish Qi: 0.5-1mm, ~20%, Ground mass: Fsp-phxls, fg fsp-qtz, ~3% chlor. <sup>H. seric</sup> <sup>Matrix</sup> volume HL chl-c + po; Four 5mm q(c)-po-velus at 5 cm to 30cm spacing, 5mm c-obl-v Po. ~0.5%, py, cpy trace of diss'd by in velus	~50 TCA. and 25 TCA 10-15 TCA, off-saltting q-v Sharp lower contact 25 TCA	
		Propyl'd Qi-F-Por.	532828, 492.0 - 494.2. 80% of interval Schistose mg mafic chl-biot-fsp rock (ditto 486.7'), with ~20% cm-dm portions of Qi-F-Por, ditto above (to 492.0?) Py 0.5-1%, as scatt'd cubes, locally to 3%. Trace diss'd po.	Weak Schistosity 45-50 TCA. also contacts to Qi-F-Por relicts.	
		Qi-F-por (green?)	532829, 494.2 - 495.3, ditto above (to 492.0) 'with more seric (20-30%)'. One 10mm q-v; 1-2mm c-obl-v; 10-30 TCA. One 3x4cm cluster of cubic <sup>diss'd</sup> py, overall ~16 py	-10° TCA.	
		Qi-por green?	532830, 495.3 - 497.6, ditto above (to 492.0) mg-cg, Qi-por, weakly foliated. Bluish Qi: 1-2mm, brownish matrix with 20-30% seric to. biot, chlor. Two 10mm q(c)-v, 40 TCA, Py 1-2%, conc'd in several cm-wide linear clusters, assoc'd with chl-q-tourmal //s, at 495.6'. Trace diss'd py, trace po.	50-60 TCA.	
		Schist, Qi-Por.	532831, 497.6 - 499.3 ~ 75% of interval mg seric (50%) - chlor (30%) - carb (biot-mt)		fg seric matrix, chlor as acicular porphbl.

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			-gtz schist, in part cum-compositional banding. A Minor part (~20%) is chloritic Qi-Par. One 3cm cherty Qi-P for qv? with XL c-chl. ~5% mm-c-v Hs. Py trace to 0.5%, as <sup>small</sup> cubes.	Schistosity / banding 60-70 TCA.	
		Qi-Par, F-Par (propyl)	532832, 499.3 - 501.4 Breccia. Predom. dark, mg, chl / lsit-rich 'gtz-dior' / Qi-Par as matrix for <sup>cu</sup> diopside F-Par relict inclusions. One 10mm q-v ~ 0-10 TCA, + trace ep, po, in <sup>cu</sup> centre. Minor HL chl-c-v Py ~ 1%, as <sup>cu</sup> clusters of small cubes. Chlor-py patches overgrowing 10mm Q-v Trace po, ep, in veins + dissol.	Bx texture 25-40 TCA.	
		F-Par, minor Qi-Par	532833 501.4 - 503.7 similar to above (to 501.4), but <sup>wh. tz</sup> F-Par permeated by only ~10% fg, dark (lsit, chl), gtz-rich Qi-Par, with ~12 dissol py. 10mm q-v (+ trace ep, po) ~ 10 TCA. HL chl-lsit, chl-c, q-chl-v, 3-10cm spacing Py ~ 0.5%, po ~ 0.5%, dissol and in q-v, + ep.	20-45 TCA.	
		Qi-Par, propylite F-Par.	532834, 503.7 - 505.6 ditto above (to 501.4) ~60-70% dark Qi-Par / gtz-diorite matrix with in chlor, lsit, bluish qtz. - hosting 20-30% F-Par inclusions / relicts. 2-3% py, as dissol and clusters of 0.5-1mm cubes, equant xts, concent'd in chlor-rich 'gtz-diorite'. Minor hair lsit-chl-c-v in F-Par,	65 TCA, 1-3cm spacing	



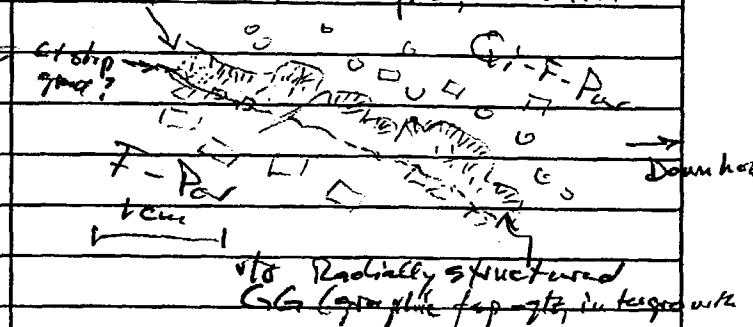
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			commonly diffuse borders. One 2 cm fg patch with 'GG' = graphitic granite. Qtz-Por matrix mostly qtz-nick (blue) ~ 40% qtz. Py (cubes), cpy both trace, diss in Qtz-Por.	Sharp lower contact, with ~60 TCA schistosity, in chlor - biot matrix	2cm patch with 'GG' = graphitic intergrowth fsp - qtz
		'Qtz - Diorite' (propylitic F-Por ?)	532838, 516.4 - 519.1 ditto above (512.2-514.2) Mostly c.g. qtz-diorite, 519.3-520.0 c.g. chlor (top, biot) rock, with trace py. 5% F-Por relicts, mainly 518.8 - 519.1. 'Qtz-dior. 5-10% blue qtz interst to plaq. Py 0.5-1% diss, cubes - and in q-v	~ 65 TCA,	
			Two 5mm q-c-veins, 20cm spacing, with minor py, cpy, molybdenite (overall trace)		Moly in q-v. as 1-3mm fobs. MoS <sub>2</sub> in qv ~ 3%
		Qtz-Por + F-Por, Bx's	532839, 519.1-521.2 ditto above (to 501.4) 50-60% dark, mg Qtz-Por / qtz-dior' matrix hosting 40-50% cm - dm <sup>white</sup> F-Por relicts, which are transected by <sup>HL</sup> c-v, q-v, chlor-v at ~1cm spacing. Minor 1-5mm chl-c-v. Py ~ 0.5-1%, diss'd, mainly in Qtz-P and in HL-veins. Accessory ox, sphene, in 'qtz-dior'	Bx's	
		Qtz-Por + F-Por, Bx's	532840, 521.2-526.3, ditto above (to 501.4) 60-70% dark, <sup>matrix of</sup> variably textured Qtz-Por / qtz- diorite (in part with fabric, esp. fg. mafic - U4 - chlor-biot schist), 30-40% F-Por relict- fragm. being replaced; permeated by HL q-v, chl-v, c-v, 1-2cm spacing. Minor 5mm c-q-v.	50-60 TCA, at 524.8' HL veins crossing, 10cm spacing	
			Py 0.5-1%, diss'd in Qtz-P and in HL q-c-chl-v.	Sharp lower contact 45 TCA	



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			cpy trace, in qtz-patches in Qi-P		
		Qi-Por (mixed)	532841, 526.3 - 529.0 Qtz-epi-porphyr, mg (0.5-1.5mm Qi), ~20% blue Qi, fsp, chlor. (no seric). One 2cm dyke of fg Qi-Por	70 TCA.	Colour dk green-grey
			One 25mm q-c-obl-v, 80 TCA, one anastomizing q-c-(py, ep7) vein 60 TCA		
			Overall py 1%, diss, cubs; in q-c-v, Trace ep7 in q-c-v.		
		F-Por (propyl) Qi-Por	532842, 528.0 - 528.8, ditto above (to 501.4) F-Por, permeated by ~30-40% dark <sup>to dark</sup> matrix of Qi-F-Por / qtz-diorite. Py 0.5%, diss. ep7 trace in Qi-Por	Bx19	
		Qtz-Dior	532843, 528.8 - 530.0, ditto above (522-514.2). Coarse grained, subophitic, 5-10% blue qtz as large interstitial patches, with fsp. One fg Qi-F-Por patch. Py cubs, diss'd, 1%.		
		F-Por (Qi-Por)	532844, 530.0 - 531.4, ditto above (501.4) F-Por high (flood-qtz?) qtz matrix ~50%, fsp saussur'd, F-Por as in situ bxta, permeated by 10-20% mm-cm wide anastomizing stockwork of fg Qi-Por, and by 1cm spaced chlor-crackles bxta. Py trace.	in situ Bx19	
		F-Por partly propyl'd	532845, 531.4 - 534.3, Fsp-Por, in part propyl'd (531.4-532.4), mostly as 'crackles breccia': Network of 2mm		'Crackles Bx'

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			chl-c-v, 5-10 mm spacing Propyl'd portion reddish, mg F-Por, some blue Qi. Two 5-10 cm fsp (q) chl rock (Qi P??) (533.3-534.3), minor chl-c-v, ~1% diss'd epy. 5 mm q-c-v + trace epy 531.9, - 40 TCA. Py 0.5% diss'd in chl-c-v; epy overall trace		
		F-Por (Qi-Por) partly propyl'd	532846, 534.3-535.5 Fsp-phosph <sup>70%</sup> replaced by <sup>~60%</sup> high-chlor (emerald green) Qi-Por: <sup>(blue Qi)</sup> along fractures. Py, epy trace, Py as rare 1-2 mm cubes and fine diss.	Bixia texture, fractured	
		(Q) F-Por	1-2 mm chlor-filled fractures 1-2 cm spacing 532847, 535.5-537.6 Fsp <sup>90%</sup> -phosph <sup>90%</sup> , med. grained (Fsp phxts 0.5-2 mm, limodal), ground mass qtz (~10-20%), chl (2-4%). Rare Qi. Rare <1. chl-c-v.	20-30 TCA	Colour of fsp. pinkish, saussur'd Finer grained than normal Younger intrusive F-(Q)-Por?
			Partly propyl'd to 535.7. Py 0.5%, as fine diss'm and in veins Two 2-4 mm c-chl-v	65 TCA.	
		F-(Qi)-Por	532848, 537.6-538.4 ditto above (to 537.6) Mostly fsp-phxts but ~5% blueish qtz eyes. Minor q-c-chl HL-veins, ~1-2 cm spacing, Py trace to 0.5% diss'd	~ 50-60 TCA.	
		Qi-(F)-Por	532849, 538.4-540.2 similar to above (to 538.4) but phxts mainly Qi, minor fsp. Ground mass fsp, qtz, trace chl. Grain size of Qi 0.2-1 mm. Minor q-c-v, A few 1 cm spaced HL chl-v to TCA.	~ 20-45 TCA,	? grading? from above? no contact visible NOSURIC.

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Trace to 0.5% py, trace py, ep7, as small clusters and in q-c-v. Rare 5mm clusters of py cubes assoc'd with chl-c-v	10 TCA	
		Qi(F)-Par	532850, 540.2-543.2 ditto above (to 540.2) Mainly Qi in fg f-p-g-matrix, 1-2 cm q-c-(molybdenite)-py vein and chl-c-py-molybdenite vein (with trace sphal, ep7) 540.5-541.6. Rare hair chl-c-py-veins. Py ~1%, as a) c-g clusters in chl-v, b) diss'd. Trace po, ep7, diss'd. Trace to 0.5% molybdenite in q-c-py-vein. Trace sphal. in q-c-py-vein.	15-30 TCA	molybd, sphal, ep7
		Qi-(F)-Par	532851, 543.2-546.0 ditto above (to 540.2) Rare veins. Cut by 4cm dyke (544.4) of fg-mg. non-pyritic, po-bearing (2%), biot-grt-diorite; Po ~0.5% diss'd as 5mm sieve clusters, Cpy, py trace.	50-60 TCA Sharp lower contact, irreg. 55-70 TCA	
		F-Par	532852, 546.0-549.4 Fsp-porphyriz, wh-lt py. White 1-2mm fsp phxts in ~50% flood'd gte matrix, trace 2% chlor, access. linear. Common, irreg. shaped 5-10mm q-v at 5cm to 25cm spacing. Minor Hl-veining, q-v, chl-c, 1-5cm spacing. Py trace, in q-v diss.	40-70 TCA Sharp lower contact, 30 TCA, marked by 5mm dark zone of following unit	F-Par is barren! compared to Qi(F)-Par above, which has ~1% diss'd po and vein-ench.
		Qi-F-Par.	532853, 549.4-552.3 ditto above (to 540.2) mg, colors med-gray, 25% ~1mm blue Qi, 0.5-1mm fsp phxts, 5% fg biot (chlor).		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			Groundmass of fsp-grt. ~ 1% finally diss'd po, trace cpy, py. Upper contact to F-Por is chilled, 5mm thick, but with sharp boundaries on both sides? Internal structure of chilled margin radial. Contact appears convex and sharper downhole, to Qi-F-Por: ? - 10mm x 1-c-c-v (+ minor po, cpy), 551.2-552.3. Rare thin (~1mm) q-c-dl. + py. Overall sulph: po ~ 1% diss'd, py ~ 0.5% in veins and diss'd, cpy trace, in veins with po.		'Chilled 5mm margin, at 549.4' 
		Qi-F-Por	532854, 552.3-556.1 ditto above (to 552.3) Diss'd sulph mainly <sup>0.5%</sup> po, as 0.2-1mm cubes, cpy trace, diss'd. Rare ~ 1mm c-dl-v	Sharp lower contact, 20 TCA, to F-Por. ~ 20 and 60 TCA.	Radially structured Grt (epidote) fsp-grt, in larger veins
		F-Por + q-v	532855, 556.1-557.4 ditto above (to 549.4) Light tan Fsp - assemblage with trace diss'd po, py, cpy. Cut by 15cm of q(c)-v, 25 TCA.		
		F-Por/ Gr-Dior	532856, 557.4-560.0 ditto above (to 549.4) F-Por as granulite, lt gray, mg (1-2mm) Minor veins 10-20cm spacing: 5mm chl-c-v; 15mm q-c-dl-v <sup>+ minor!</sup> 30 TCA; disconform q-c-v ~ <del>10</del> 20 TCA Trace diss'd po, py.		Granulite? Morphology of fsp in part enclosed in Grt, but commonly antecryst in Grt (c) (c) (c), interlocking with grt. Qrtz anh. and equant (c) (c)
		F-Por/ Gr-Dior	532857, 560.0-562.5 ditto above (to 560). E-porph or granulite, mg - lt gray. Cut by two 1cm to 3cm q(c)-v, 45 and 60 TCA. Minor - 1mm chl-c-v. Trace diss po, py		

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F-Por / Qi-F-por	532858, 562.5 - 565.0 ditto above (to 560) Fsp morphol boxy, euhedral, in q-matrix. In places vague boxy texture: F-por fragm, in-situ bx, with ~ 5-10% darker Qi-F-por matrix, with blue Qi + diss'd po. Trace diss'd py, po, cpy, in both F-Por and Qi-F-Por. Two 1cm q/c/d/v at low angles to CA: 30° and ~5 TCA	vague boxy texture	Fsp boxy, euhedral in q-matrix 
		F-Por; minor Qi-F-Por matrix	532859, 565.0 - 570.0, ditto above (to 565.0) White F(Q)-Por, slightly in-situ - boxy, ~ 10% gray, fg-mg Qi-F-Por matrix. One 10cm mafi dyke (biot-dior-fsp), 568.5 - 568.8. ~ 60-70 TCA, ~ 3% - 1cm dark, biot-rich matrix patches. Rare 1-5mm xl-q-c-v. Trace diss'd py, po, mainly in Qi-F-Por matrix, on HL-fract in q-v	vague <sup>in-situ</sup> boxy texture	'well-papery' q-v, // CA. In places coarsely defined matrix - fragm. borders. Barren! Rare sulph traces
		Qi-F-Por, dyke	532860, 570.0 - 573.0, mg dark brown-gray Qi-F-Porphry, with a) 15cm q/c-diorase dyke ~ 50 TCA. 570.2 - 570.8, b) 0.6ft portion of light gray fg-mg. Qi-Por with ~ 2% diss'd cpy (and in) <sup>void</sup> 572.3 - 572.9. - Sulph abundance in dk phase: Trace to 0.5% diss'd po+py. At 571.6 two 1cm 'rafts' (?) of white F-Por and a 1cm triangular inclusion (?) of white 'GG'	Sharp lower contact ~ 70 TCA	
		Dyke? of propyl? F-Por?	532861, 573.0 - 576.9 Qtz-rich, intermediate Dyke core, fg-mg, dark. Sharp text, lathy fsp, ~ 20% fg bit in matrix. ~ 20% 2-5mm q-fsp 'blotches'. Trace diss'd py,	Common fractures ~ 10-20 TCA. (core rubble) Sharp lower contact. ~ 60 TCA.	GG, graphite fsp-qtz intergrowth.  ? Result of Propylitization? Generally barren! Prob. Dyke!

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		Qtz-F-Par	532862, 576.9 - 579.8, ditto above (to 552.7)		
			mg, med-gr, ~30% white F-Par inclusions		
			576.9 - 577.4, Rz, dab, fg, biot-rich patches, 1cm		
			Py <sup>trace to</sup> ~10.5% dissd, py trace. Py conc'd in a 10cm	Sharp lower contact	
			portion, (1-2%). 1cm qtz, biot - v 20 Tct	30 Fct	
			and 1cm chl (q) - v 50 Tct, 579.4 - 579.8.		
		Propylized F-Par?	532863, 579.8 - 583.6 similar to above		
		+ Dyke	(to 576.9), Qtz-rich, blocky, mg sharp textd		
			Fsp-g-biot-rock, with a 5cm Qtz-F-Par inclusion		
			/relief at 580.5 - 579.8 - 580.5 mafic, fg		mafic
			biot-chlor-fsp rock, prob. a dyke? -	sharp lower contact 65 Tct.	Dyke?
			Scat'd 3-10mm blue qtz-patches. Trace		
			dissd py.	Extensive	
		F-Par, bxtd,	532864, 583.6 - 587.8, similar to 570.0	Exia texture	
		Qtz-F-Par matrix	Pink-gr, F-Par (q-rich) varnch in-situ bxtd.		
		(Zone C)	being replaced by qtz, mg, Qtz-F-Par (g-mg)	Con	
			in part dab, biot-chlor-rich. 587.1 - 587.3	Fract'd ~30 Tct, ~5/m.	
			biot-rich, mafic dyke, mag. contact, apparently as		? Minor propylitiz?
			inclusion in Qtz-F-Par. Trace py, dissd and as		
			local clustess in biot-chlor-rich patches (propyl?)		
		F-Par,	532865, 587.8 - 590.2, ditto above (to 587.8)	Extensive Gria texture	
		(Qtz-F-Par)	plus F-Par high qtz-matrix (zitic?) ~50-60%.		
		Zone C)	Minor (~10%) gray Qtz-F-Par bx matrix.		
			Trace py.		
		F-Par	532866, 590.2 - 593.4, ditto above (to 587.8)	vague intensive Gria	
			Patch high qtz-F-Par, ~5/6 cm patches of		



FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			hairline chl-v and c-v, spacing 5-10 mm.		
			Trace py assoc'd with veins near F(Q)P inclusions.		
			Accessory oxide		
		F-Par	532872, 603.3 - 606.0, ditto above (to 587.8)		
		partly propyl'd	White/lt gy, high-grt F-Par, with cu-mm high-biot-act patches. At both ends, a ~10 cm mafic portion: mg biot-fsp rock.	Strongly fract'd, core substly	
		F-Par, bxi	532873, 606.0 - 607.9, ditto above (to 587.8)	vague in-situ bxi texture	
		(7 zone C)	F-Par showing vague in-situ bxi texture, with 5-10% cu size mafic (biot, chl) propyl'd patches, ~5% <sup>th-mg</sup> med-dk gray Qi-F-Par bxi matrix. Trace py, cpy, in one 1x4 cm mafic patch. Rare HL biot-act-v, 2-4 cm spacing		
		Propyl'd	532874, 607.9 - 609.7, ditto above (to 599.7)		~20% '0-5 mm' '1/4' of blue grt and
		F-Par 'Qz-Dior'	mg biot, <sup>chl</sup> mafic biot-fsp-grt-rock (1-2 cm qtz). Variable grain size + texture. Encloses one ~3 cm F-Par inclusions	Sharp lower contact ~70 TCT	white, euhedral / subst. fsp =? F-Par relict?
		F-Par, bxi	532875, 609.7 - 612.5, ditto above (to 587.0)		
		(7 zone C)	F-Par, showing vague in-situ bxi texture, ~5% matrix of sl. fine grains, dark F-Qi-Par and rare biot-act propyl'd patches. Minor relict - 10 mm x 1-Q-c-v, discont'd, Py, pp trace - 0.5%, cpy ~0.5% as fine inclusions 611.3 - 612.5. Hairl. q-act, c-v, at 2-3 cm spacing.	30 TCT.	~0.5% cpy!



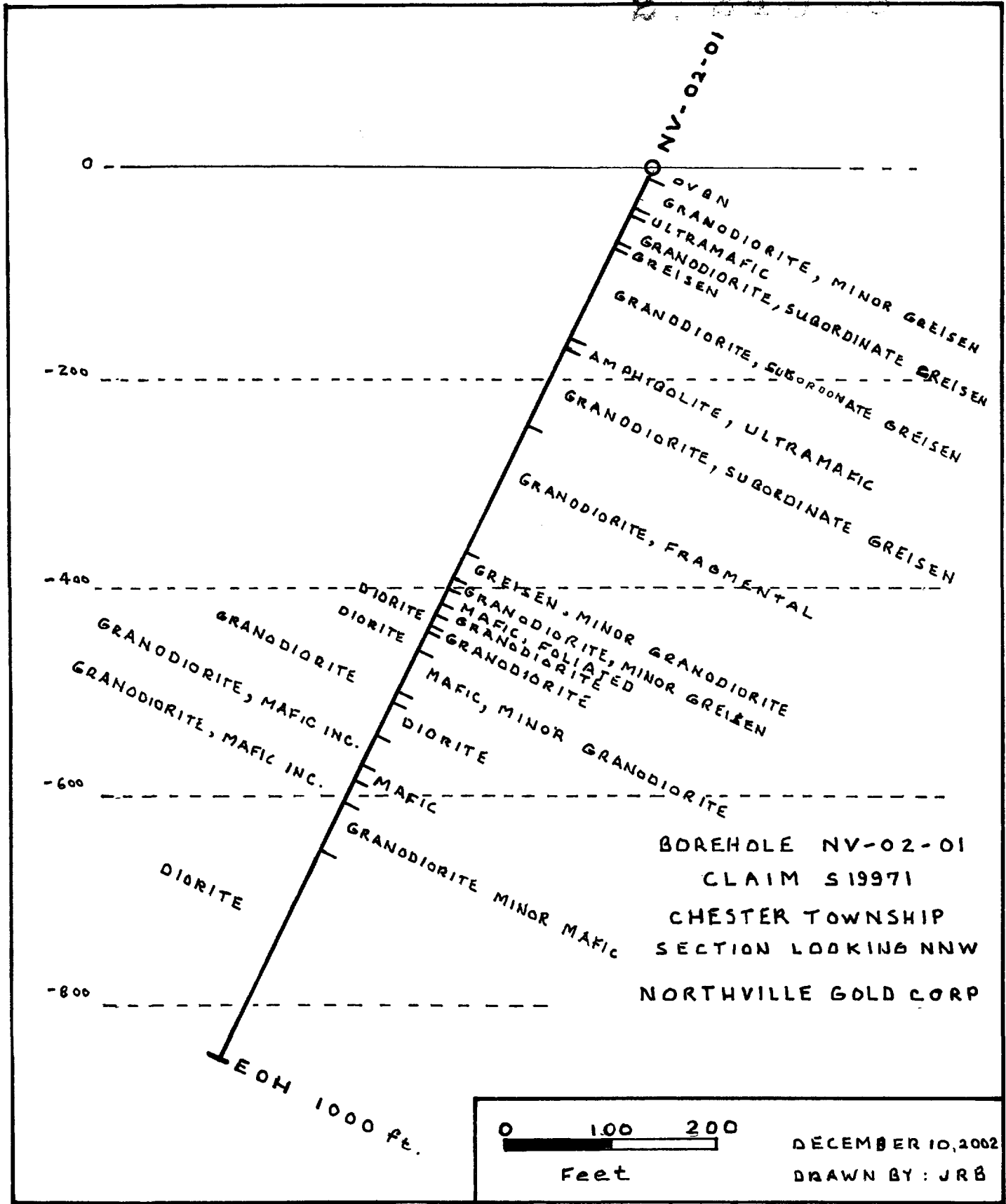
FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F-Par, Qi-F-Par, (Bx, Zone B)	532876, 612.5 - 615.0 ditto above (to 587.0) ~1/3" <sup>white</sup> F-Par relicts (in situ) in med-dk gray Qi-F-Par matrix. Weak 'crackle' texture HL chl-? seric-v at ~1cm spacing. Upper half of interval: ~0.5-1% diss'd epy <sup>in v. v. v.</sup> lower half: trace py, epy, sphal, in HL-v. Trace po.	vague in-situ Bx. v 'weak' 'Crackle Bx'	- cpy - 0.5% sphal tr (white top)
		Qi-F-Par (min F-Par relicts) Zone B'	532877, 615.0 - 620.7, similar to above (to 615.0) but predom. med-gray Qi-F-Par (blue Qi) with 5-10% (situated?) F-Par relicts (with diffuse borders. From 616' increased seric <sup>as</sup> diss and in situ. In diss'd py, po, epy. Cpy concant'd in a 10cm area around 620.0.	vague lxx texture spacing of seric joints ~1-2 cm.	F-Par largely repl. by Qi-F-Par (py trace F-Par, H <sub>2</sub> O ~616' seric increase F-Par relicts
		Qi-F-Par quartz (Zone B/A)	532878, 620.7 - 621.9, similar to above (to 620.7) but more seric in matrix (~20-30%) no more <sup>wh.</sup> F-Par relicts. 1-4 cm spaced HL q-chl, c-v. ~1% Py as 1-3 mm clusters of carbon.		seric
		Qi-F-Par quartz	532879, 621.9 - 625.0 ditto above (to 621.9) Qtz-porphyr quartz, lt gy, weak fabric Qi matrix 30-40% seric, (+qtz sp?). Trace chlar. Py 2-3%, as a) 1-10mm stringers // fabric, at 5-10cm intervals, b) diss'd. cpy trace to 0.5%, in py-stringers and q-c-v.	~70-80 TCA, Strongly fract'd ~1/cv. Core rubble	No tourmaline

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
			624.0-625.0 Qi-Pas, without seric, but chlor-rich, schistose, in part chlo+seric+py. Common Hl-c-v, 5-10 mm spacing.	Schistosity crenulation. - folded	
		Chlorite - Schist	532880, 625.0-629.2. Mafic chlor-carb-biot-fsp schist, with vague 1-2mm relief texture. Oriented ~ 1mm carb stringers at 5-10mm spacing. Py as diss'd cubes, trace to 0.5%. Accessory epid. At 628.0 ~ 2x5 cm fsp-rich inclusion (F-Pas?)	Fabric 50-60 TCA.	Meta volcanic? Archean relief? Propylid F-Pas??
		Meta-Volc?	532881, 629.2-634.8, Grading from above (to 629.2): Homogen, fg, equigranular fsp-chlo-qtz-rock. Chlor decreasing downhole, fabric weaker to none. Morphol of fsp: stubby, equant; chlo interstitial. Accessory epid. A few chlo-free fsp stringers, minor c-v, 50-60 TCA. Trace diss'd py, cubes. Sharp lower contact marked by 10 cm zone of cg, epidotized, subophic chlorite? trace qtz, py.		Archean?
		F-Pas, (Bx), Qi-Pas/Qtz-Diorite	532882, 634.8-637.6 similar to above (to 587.8). ~ 30% relief pieces of F-Pas in texturally/composibly strongly varietal Qi-P/Qtz-Diorite, ~ 5% patches of cherty, fg Qi-P. Accessory py (0.5%) as cubes, in Qtz-Dior, accessory ox. Rare 1-2mm c-chl-q-v	Bx texture.	

FROM	TO	LITHOLOGY	DESCRIPTION	STRUCTURE	COMMENTS
		F-Par,	532883, 637.6-640.5 similar to above (to	minor Bx texture	
		partly propylid ip.Bx	587.8). White/lt gray F-Par, minor Bx texture with fg Qi-Par matrix (tr py) 637.6-638.0 638.0-638.7 propylid, schistose chlor-lact fsp ~ fabric to -SDTCA. -gtz rock, acc. of + 1cm C-Q-C. 638.7-640.5 F-par, cut by 10-20mm q-v - 0-10 TCA, bifurcating		
			Overall sulph: py trace - 0.5%, diss; cpy trace, in veins.		
		F-Par + Qi-F-Par/Qtz dior (Zone C)	532884, 640.5-645.0, similar to above (to 587.8). F-Par (high gtz), white/lt gray. In-situ bxt. Matrix ~ 30%: Texturally & compositionally highly variable Qi-F-Par (fg schist) and gtz-dior and mafic patches. Py, po trace to 0.5%, cpy trace, Sulph mainly in matrix. Rare HL-veins	in-situ Bx texture	
		F-Par + Qi-F-Par/ Qtz-Dior (Zone C)	532885, 645.0-650.0, similar to above, (to 645.0), hi-gtz-F-Par, in-situ bxt, permeated by ~10% fg-mg gray Qi-F-Par (ip schist), and ~20% schistose diorite and gtz-diorite. Minor HL-veining, 2-5cm spacing. Sulph: Trace py, po, cpy, diss'd in matrix & in HL-veins.	in situ Bx texture 1cm Fault Bx at 647.5, 40 TCA: Matrix 'emerald green' chlor, sharply angular wall rock clasts.	
6500		EOH	END OF HOLE		



2 310 88



0

-200

-400

-600

-800

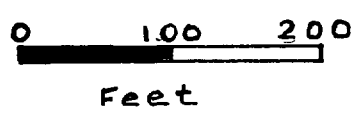
NV-02-01

EOH 1000 ft.

OVBN  
 GRANODIORITE, MINOR GREISEN  
 ULTRAMAFIC  
 GRANODIORITE, SUBORDINATE GREISEN  
 GREISEN  
 GRANODIORITE, SUBORDINATE GREISEN  
 AMPHIBOLITE, ULTRAMAFIC  
 GRANODIORITE, SUBORDINATE GREISEN  
 GRANODIORITE, FRAGMENTAL  
 GREISEN, MINOR GRANODIORITE

DIORITE  
 DIORITE  
 GRANODIORITE  
 GRANODIORITE, MAFIC INC.  
 GRANODIORITE, MAFIC INC.  
 DIORITE  
 MAFIC, MINOR GRANODIORITE  
 MAFIC  
 MAFIC, FOLIATED  
 GRANODIORITE, MINOR GREISEN  
 GRANODIORITE

BOREHOLE NV-02-01  
 CLAIM S19971  
 CHESTER TOWNSHIP  
 SECTION LOOKING NNW  
 NORTHVILLE GOLD CORP



DECEMBER 10, 2002  
 DRAWN BY: JRB

S 19972

S 20096

NV-02-02

OVBN

- 200

- 400

- 600

- 800

- 1000

GREISEN, (QUARTZ PORPHYRY)

DIORITE

GREISEN

GRANODIORITE, GREISEN, 'MIX' ZONE

GRANODIORITE, GREISEN

GRANODIORITE (B ZONE)

QUARTZ PORPHYRY, GREISEN (A ZONE)

GREISEN

GREISEN 'MIX' ZONE (B AND A)

GREISEN (B ZONE)  
GREISEN (B ZONE)

GREISEN

MAFIC

MAFIC  
GRANODIORITE

EDH 1100 ft

BOREHOLE NV-02-02  
CLAIMS S19972, S20096  
CHESTER TOWNSHIP  
SECTION LOOKING NNW  
NORTHVILLE GOLD CORP.



DECEMBER 10, 2002  
DRAWN BY: JRB

NV02-03

S 20096

S 19972

OB

100'

200'

300'

400'

500'

600'

650'

EOH

predominantly granodiorite with minor qtz-porphyry and minor propylitized portions

diorite

predom. granodiorite with minor fine grained qtz-porphyry

dyke

qtz-porphyry, fine grained

predom. granodiorite + 50% propyl'zd portions

predom. diorite with minor granodiorite inclusions

diabase dyke

diorite

granodiorite

greisen

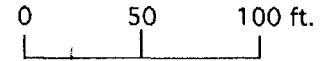
predom. granodiorite with minor qtz-porphyry and propyl'zd portions

greisen

granodiorite

predom. diorite with minor granodiorite

granodiorite with minor propyl'zd portions



LOOKING S-W

CONDOR GOLD CORP.

PROJ.: CHESTER TWP., ONTARIO  
JACK RABBIT PROJECT  
YOUNG SHANNON GRID  
CLAIM 20096

DRILL SECTION SHOWING SIMPLIFIED LITHOLOGIES  
DRILL HOLE NV02-03  
GRID LINE 38



NV02-04

S 20096

S 19972

OB

100'

greisen

200'

granodiorite + minor 'greenstone' inclusions

granodiorite with minor portions of greisen, and qtz-porphyry + 1 ft. diabase dyke

granodiorite, auto breccia

granodiorite

diorite

granodiorite, in part propyl'd

diorite  
diabase dyke

300'

predom. diorite with minor granodiorite

400'

predom. granodiorite

diorite with minor granodiorite

500'

granodiorite with minor diorite

predom. diorite and mafic schist

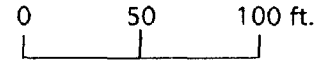
600'

predom. diorite with minor qtz-porphyry

diabase dyke

650'

EOH



SECTION  
LOOKING S-W

### CONDOR GOLD CORP.

PROJ.: CHESTER TWP., ONTARIO  
JACK RABBIT PROJECT  
YOUNG SHANNON GRID  
CLAIM 20096

DRILL SECTION SHOWING SIMPLIFIED LITHOLOGIES  
DRILL HOLE NV02-04  
GRID LINE 35





NV02-05

S 20096

S 19972

OB

100'

greisen

200'

granodiorite  
diorite

predom. granodiorite with minor diorite portions

300'

diorite with chlorite schist and minor granodiorite

400'

predom. granodiorite, in part auto breccia

greisen

granodiorite with minor diorite, in part greisenized

greisen

500'

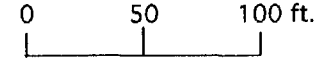
predom. granodiorite with minor diorite and breccia

600'

dyke  
granodiorite  
greisen  
metavolcanic  
granodiorite

650'

EOH



LOOKING S-W

### CONDOR GOLD CORP.

PROJ.: CHESTER TWP., ONTARIO  
 JACK RABBIT PROJECT  
 YOUNG SHANNON GRID  
 CLAIM 20096

DRILL SECTION SHOWING SIMPLIFIED LITHOLOGIES  
 DRILL HOLE NV02-05  
 GRID LINE 32



Date: 2003-APR-01

GEOSCIENCE ASSESSMENT OFFICE  
933 RAMSEY LAKE ROAD, 6th FLOOR  
SUDBURY, ONTARIO  
P3E 6B5

YOUNG-SHANNON GOLD MINES, LIMITED  
4981 HWY 7 EAST, UNIT 12A  
SUITE 232  
MARKHAM, ONTARIO  
L3R 1N1 CANADA

Tel: (888) 415-9845  
Fax: (877) 670-1555

**Submission Number:** 2.24998  
**Transaction Number(s):** W0360.00244

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

The submission has been approved for drill holes NV-02-01 to NV-01-05. I am returning the one drill log for NV-01-06 as the credit is not being claimed for the drill hole and the single log may have reached our office in error.

If you have any question regarding this correspondence, please contact LUCILLE JEROME by email at [lucille.jerome@ndm.gov.on.ca](mailto:lucille.jerome@ndm.gov.on.ca) or by phone at (705) 670-5858.

Yours Sincerely,



Ron Gashinski  
Senior Manager, Mining Lands Section

**Cc:** Resident Geologist

Young-Shannon Gold Mines, Limited  
(Claim Holder)

1478837 Ontario Inc.  
(Claim Holder)

Assessment File Library

Young-Shannon Gold Mines, Limited  
(Assessment Office)

Date / Time of Issue: Thu Feb 20 16:15:11 EST 2003

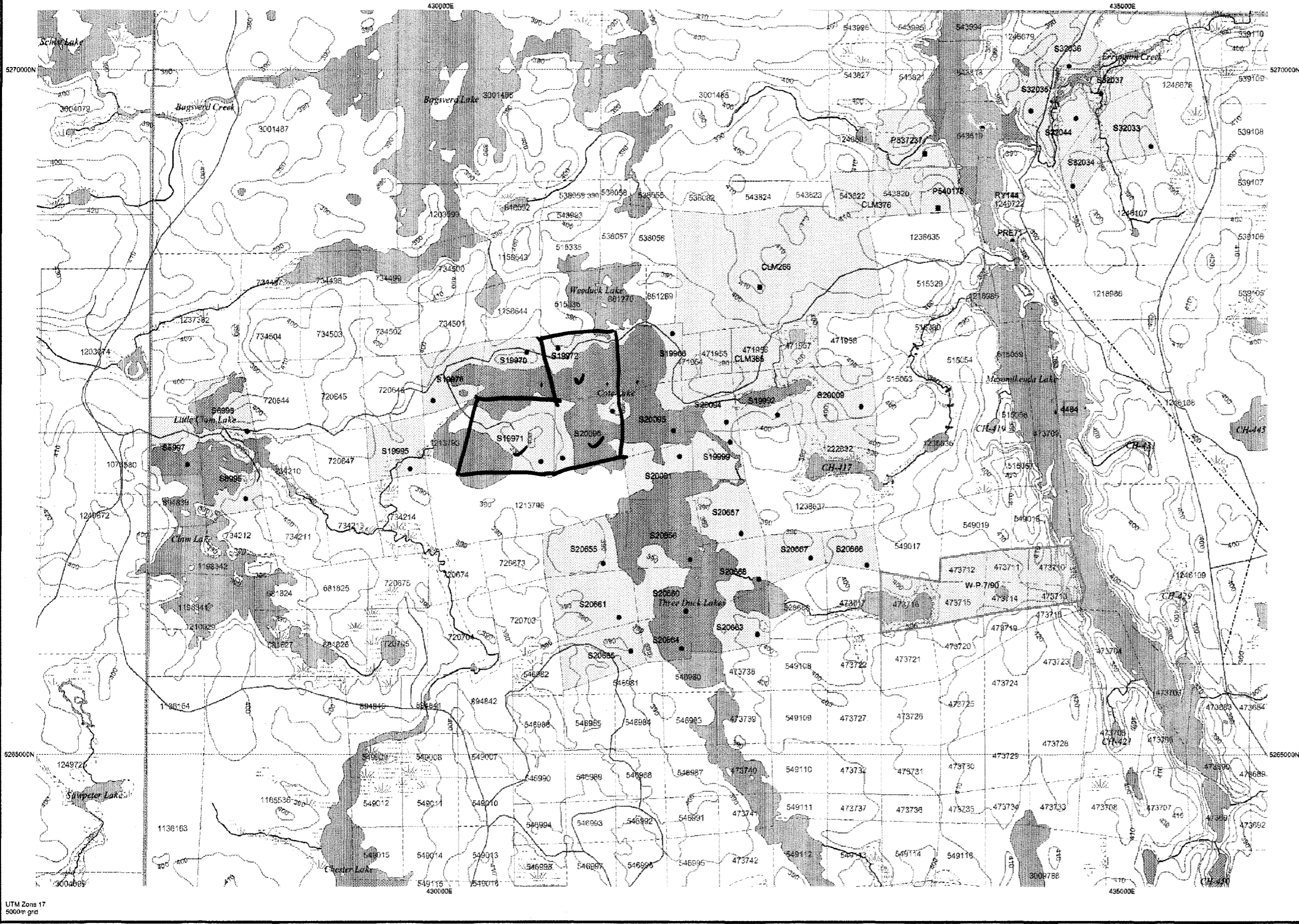
TOWNSHIP / AREA  
CHESTER

PLAN  
G-3223

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division  
Land Titles/Registry Division  
Ministry of Natural Resources District

Porcupine  
SUDBURY  
TIMMINS

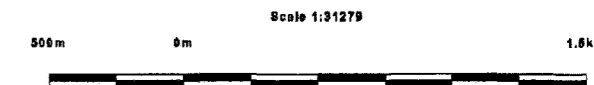
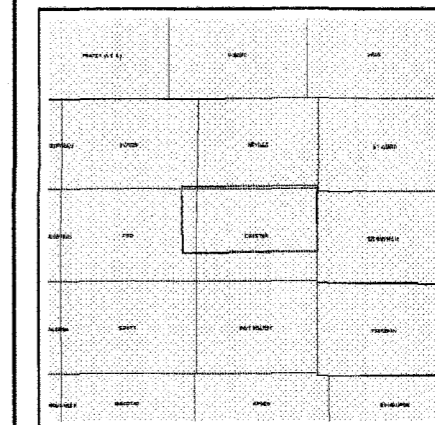


TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

- Freehold Patent
    - Surface And Mining Rights
    - Surface Rights Only
    - Mining Rights Only
  - Leasehold Patent
    - Surface And Mining Rights
    - Surface Rights Only
    - Mining Rights Only
  - Licence of Occupation
    - Use Not Specified
    - Surface And Mining Rights
    - Surface Rights Only
    - Mining Rights Only
  - Land Use Permit
  - Order In Council (Not open for staking)
  - Water Power Lease Agreement
  - Mining Claim
  - Filed Only Mining Claims
- LAND TENURE WITHDRAWALS**
- 1234 Areas Withdrawn from Disposition
  - Mining Acts Withdrawal Types
    - Wsm Surface And Mining Rights Withdrawn
    - Ws Surface Rights Only Withdrawn
    - Wm Mining Rights Only Withdrawn
  - Order In Council Withdrawal Types
    - Wsm Surface And Mining Rights Withdrawn
    - Ws Surface Rights Only Withdrawn
    - Wm Mining Rights Only Withdrawn
  - IMPORTANT NOTICES



LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
4484	Wsm	Jan 1, 2001	FLOODING TO CONTOUR 1200 FEET RESERVED TO ONTARIO HYDRO LOCATI
W 4/80	Ws	Aug 28, 1980	NRW 4/80 AUG 28/80 SRO (WASTE DISPOSAL SITE)
W-P-7/90	Wsm	Oct 19, 1990	SURFACE AND MINING RIGHTS WITHDRAWN FROM STAKING UNDER SECTION

2.24998  
PDRILL

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:  
Provincial Mining Recorders' Office  
Willat Green Miller Centre 833 Ramsey Lake Road  
Sudbury ON P3E 6B5  
Home Page: [www.mndm.gov.on.ca/MNDM/MINES/LANDS/mismnpgp.htm](http://www.mndm.gov.on.ca/MNDM/MINES/LANDS/mismnpgp.htm)

Toll Free  
Tel: 1 (888) 415-8845 ext 5777  
Fax: 1 (877) 670-1444

Map Datum: NAD 83  
Projection: UTM (8 degree)  
Topographic Data Source: Land Information Ontario  
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.



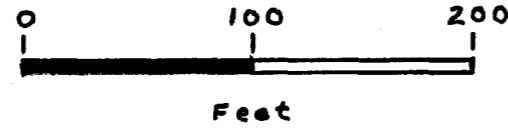
HORIZONTAL PROJECTION  
BOREHOLES: NV-02-02, NV 02-03, NV-02-04, NV-02-05

PATENTED CLAIMS: S 20096, S 19972

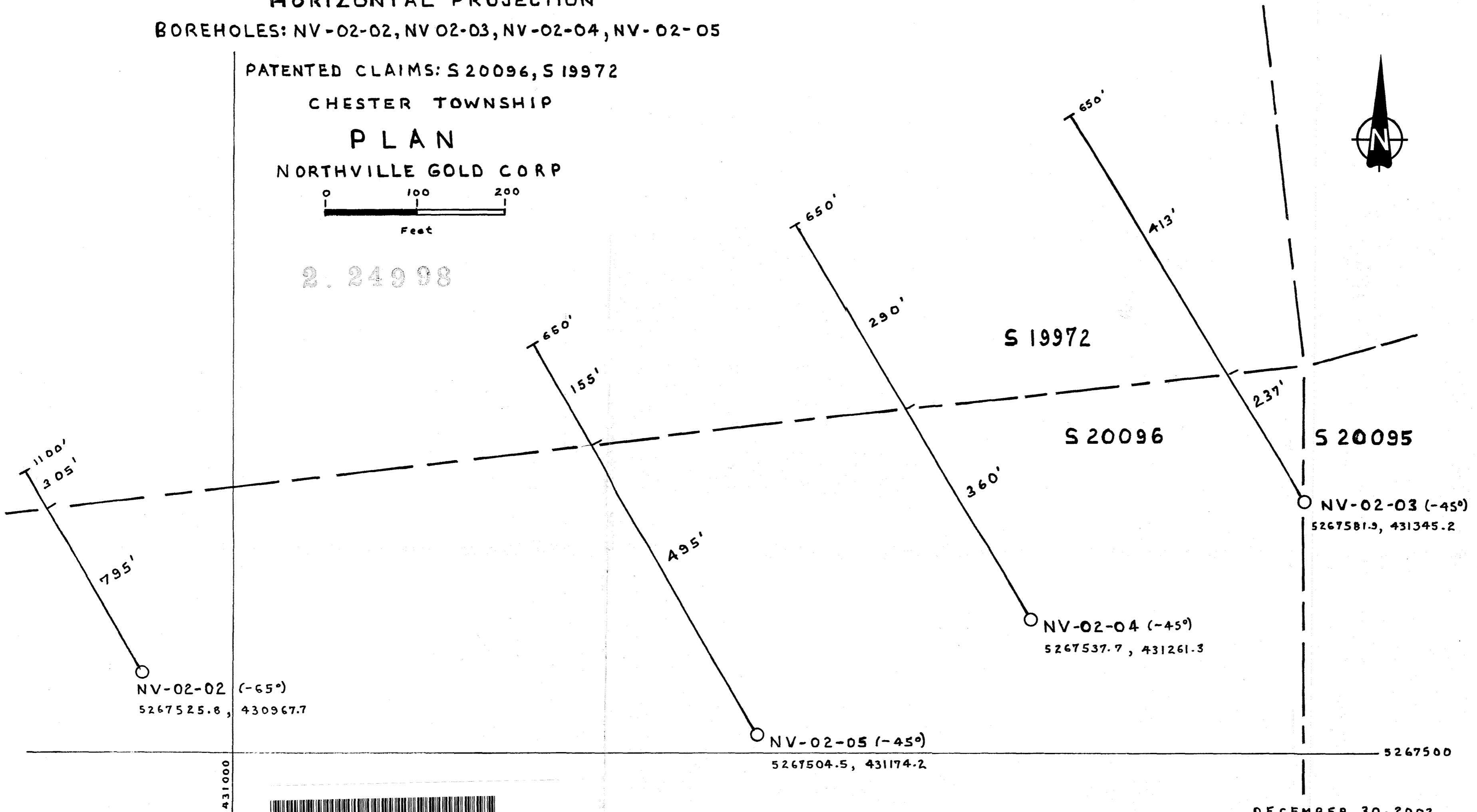
CHESTER TOWNSHIP

PLAN

NORTHVILLE GOLD CORP



2. 249 98



431000



41P12SW2013 2.24998 CHESTER

210

DECEMBER 30, 2002

DRAWN BY: JRB.