DIAMOND DRILLING

TOWNSHIP: HOBLITZELL TWP. REPORT NO: 19

WORK PERFORMED FOR: Newmont Exploration of Canada Ltd.

RECORDED HOLDER: Same as Above [xx]
: Other [ ]

Claim No.	Hole No.	Footage	Date	Note
628603	DDH-261-88-2	140m	June/88	(1)
628666/ 628667	DDH-261-88-7	302m	June/88	(1)
628662/ 628669	DDH-261-88-12	296.2m	June/88	(1)

Notes: (1) #W8808.408 , filed in Jan/89

"GOLDEN SHIELD PROJECT"

TABLE I

LOCATION OF DRILL HOLE COLLAR BY CLAIM

HOLE NUMBER	POST/ CLAIM NUMBER	DISTANCE	FOOTAGE
261-88-2	1/628603 4/628603	370m(1214') WSW 170m (558') SSE	140.0m (459')
261-88-7	1/628666 2/628666	350m(1148') SSW 100m (328') WNW	302.0m (991')
261-88-12	2/628662 3/628662	550m(1804') NW 400m(1312') NNE	296.2m (972')
		TOTAL =	738.2m (2422')

TABLE II

DISTRIBUTION OF FOOTAGE BY CLAIM

CLAIM NUMBER	TOTAL FOOTAGE	DAYS
628603	140.0m (459')	459
628662	296.2m (972')	972
628666	41.0m (134.5')	135
628667	261.0m (856.3')	856
	TOTAL =	2422

628637 628636 628635 628634

628638 628639 628640 628641

628642 628643 628644 628645 628595 628602 628603 628610 628611

628649 628648 628647 628646 628596 628601 628604 628609 628612 628617 628618 628625 628626 628657 628658 628665 628666

628650 628651 628652 628653 628597 628600 628605 628608 628613 628616 628619 628624 628627 628656 628659 628664 628667 628674 628675

628654 628598 628599 628606 628607 628614 628615 628620 628623 628628 628655 628660 628663 628668 628673 628676 628681 628682 628688

628621 628622 628629 628654 628661 628662 628669 628672 628677 628680 628683 628687 628689 628692

628670 628671 628678 628679 628684 628686 628690 628693

628685 628691 628694

DDH-261-88-2

DDH-261-88-7

DDH-261-88-12

NOSEWORTHY TWP.

L TWP.

TWP.

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 600 1 KM 2 KM

N

NEWMONT

CLAIM LOCATION

MIKWAM - GOLDEN SHIELD 261

HOBLITZELL - NOSEWORTHY TWPS.

SCALE: 2in to 1mile

FROM	TO	SUB	DESCRIPTION	ANG	SULF
0.00	6.87		CASING		
6.87	38.99		GREYWACKES AND ARGILLITES (TUFFACEOUS) grey to light grey greywackes and argillites bedded, thinly moderate sericite alteration , mostly within argillite weak chlorite alteration non magnetic to very weak moderate deformation , folding well foliated @50, variable fracturing common quartz-calcite stringers , sheared ll to fol. 5% quartz-calcite stockwork +chl, 5-8%, >10cm com. trace to 1% pyrite , 2% locally, dissem. to wispy		
	6.87	7.30	boulders? core is broken sediments, basalt?, granite, quartz veining		
	6.87	9.90	Altered Granite? grey , dark to black rock coarse grained quartz phenocrysts or porphoblast common quartz-eyes minor, bluish rock is homogeneous, massive weak calcite alteration weak chlorite alteration , as wisps poorly to moderately foliated rock weakly magnetic quartz-calcite stringers 3-4% trace to 1% pyrite , fine dissem.		
	16.10	16.50	Quartz vein +cal-chl-muscovite, barren		
	18.45	19.68	coarse ash tuff?		
	24.00	24.26	Stockwork of quartz carbonate veining , pyrite trace		
	24.53	24.98	Granite Dykes		
	25.34	27.90	Granite Dykes contact sharp @70-88 grey , weak pinkish color rock coarse grained , quartz-feldspar porphs com. poorly to moderately foliated , very weak rock weakly magnetic trace to 1% pyrite , fine disseminated		
	24.26	36.00	sediments become argillaceous greywackes are chloritic argillites are weakly sericitic, chloritic moderate calcite alteration		

FROM	TO	SUB	DESCRIPTION	ANG	SULF
			quartz-eyes, porphoblasts, bluish, com.		
			rock moderately magnetic , within argillites		
			well foliated @65-70		
			quartz-calcite veining and stringers, 3%		
			trace to 1% pyrite , 3% locally, dissem. to wispy		
	31.60	32.92	clasts? or alteration effect?		
			grey patches, carbonatized		
			porphoblastic		
	36.00	38.99	rock becomes very fine grained, siltstone		
			grey , dark		
			bedding , fine		
			moderate deformation ,		
			mild chlorite?/sericite? alteration		
			quartz-carb. porphoblasts?/sheared stringers, com,		
			accompanied by bleached haloes		
			poorly to moderately foliated @75, variable		
			trace to 1% pyrite , wispy		
38.99	81.42		GRANITE		
			pinkish grey, becomes grey downhole		
			rock coarse grained		
			quartz-eyes, porphs and feldspars common		
			weak sericite alteration , as wisps		
			muscovite on fracture planes		
			+muscovite-chl, 3-5%		
			bilateral hem/Fe-oxide altn to veins and fractures		
			calcite alteration very weak		
	35.80	36.75	moderate fracturing subparallel to c.a.		
	40.00	41.10	moderate fracturing , to extensive, subll to c.a. com.		
	41.25	42.20	shear zone		
			bleaching by carbonate		
			well foliated @60		
			weak chlorite alteration		
			fracturing common		
	48.14	48.35	rock highly sheared		
			moderate sericite alteration		
	52.80	53.20	moderate fracturing , to extensive		
	61.00		well foliated @70		
			weak sericite alteration		
			weak chlorite alteration		
	67.45	68.00	moderate fracturing , to extensive		
		75.00	Quartz vein +cal, 1cm wide, @40, cross-cuts fol		
			trace to 1% pyrite , as blebs		

FROM	TO	SUB	DESCRIPTION	ANG	SULF
		75.50	sericitized clast?, up to 3.5cm wide elongated ll to foliation		
		81.42	lower contact, sharp, @65 1-2% pyrite , fine dissem.		
81.42	132.40		TUFFS/TUFFACEOUS SEDIMENTS		
	81.42	86.97	rock fine grained , argillaceous rock (siltstone) thinly bedded similar to previous section at 36.0-38.99 moderate deformation , folded well foliated @65 weak sericite alteration , to moderate weak chlorite alteration quartz-calcite stringers and veins, up to 10cm, 10% veining is sheared, brecciated pyrite <0.5%, fine dissem.		
	86.97	97.04	mixed fine to coarse ash tuff porphyritic mostly (quartz-feldspar) leucoxene common ? weak chlorite alteration light grey, carbonatized locally well foliated @70		
	87.65	88.00	rock highly fractured , sub-ll to c.a.		
	95.89	96.40	quartz-calcite stockwork 40% pyrite <0.5%, fine dissem.		
	97.03	100.70	rock fine grained , argillite trace to 1% pyrite wispy rock moderately magnetic		
	99.35	99.57	quartz-calcite stockwork , sheared, 30%		
	100.70	103.50	fine to coarse grained ash tuff, locally porphyritic moderate calcite alteration , locally quartz eyes common , bluish weak chlorite alteration trace to 1% pyrite , wispy to dissem.		
	103.50	113.00	coarse grained tuff rock highly sheared @70 quartz eyes common weak chlorite alteration moderate carbonate alteration rock weakly magnetic quartz-calcite stringers 1-2% pyrite <0.5%, fine dissem.		

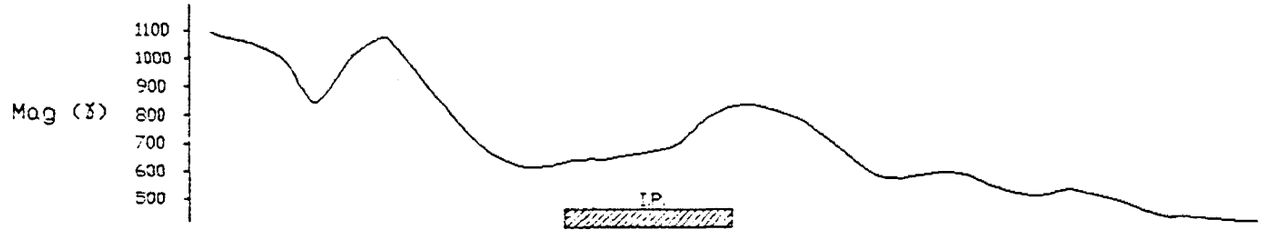
FROM	TO	SUB	DESCRIPTION	ANG	SULF
	101.00	101.12	Quartz vein , barren		
	111.42	111.90	rock fine grained , weakly argillaceous contact transitional		
	112.20	112.50	moderate fracturing		
	111.42	113.00	trace to 1% pyrite , fine dissem. to wispy		
	113.00	113.54	rock becomes fine grained moderate sericite alteration		
	113.54	123.65	Mineralized Section argillaceous sediments, mixed with lesser coarse grained tuffs thinly bedded well foliated @60-70 weak sericite alteration weak chlorite alteration rock weakly magnetic , to moderate locally minor magnetite wisps		
	113.54	116.56	quartz-calcite stockwork +chl, 3% trace to 1% pyrite dissem. to wispy quartz eyes common , bluish		
	116.56	120.65	quartz-calcite stockwork +tourm-chl, 10-15% sheared/brecciated veining pyrite 5-8% locally, 3-4% overall disseminated, wispy to patchy		
	117.88	118.30	quartz-calcite stockwork 25% pyrite 5-8%, 2-3% within veins		
	119.30	119.85	quartz-calcite stockwork , 50% 2-3% pyrite		
	120.80	122.00	garnets common		
	120.65	123.65	2% 2-3% pyrite		
	123.65	132.40	rock remains argillaceous thinly bedded, tuff beds locally grey , to light grey weak sericite alteration , to moderat garnets common well foliated @65 quartz-calcite stringers 2% 1-2% pyrite overall, wispy		
		130.70	quartz-calcite veining , 1cm wide trace to 1% pyrite , patchy to euhedral		

FROM	TO	SUB	DESCRIPTION	ANG	SULF
132.40			PORPHYRITIC TUFFS (MOSTLY)		
	132.40	133.90	porphyritic strongly, by quartz-feldspar		
	132.40	144.00	garnets common , abundant locally		
	133.90	169.90	mostly porphyritic tuffs bedding locally defined weak sericite alteration , within selective beds well foliated @70 pyrite <0.5%, dissem.		
	141.15	141.25	rock highly fractured		
	149.00	155.00	strongly porphyritic weak calcite alteration in places		
	158.64	169.90	quartz-calcite stockwork +chl-tourm, 15-20% pyrite and pyrrhotite 1-2%, wispy to patchy		
	159.20	160.75	stockwork, 90%		
	160.66	161.10	stockwork 80%		
	164.75	165.35	stockwork 80% quartz-calcite vein, sheared/brecciated		
	167.00	167.60	rock highly fractured , Fe-oxide common		
	168.80	169.00	rock highly fractured , Fe-oxide common		
	175.10	177.90	mildly altered/shear zone bleaching moderate, by carb. hairthin quartz-carb-epidote veining com., infilling tensile fractures, rib-like texture patchy hematization , very weak		
	180.32	180.90	quartz-tourmaline vein @10 1-2% pyrite along margins, wispy, ll to folia.		
	192.30	199.20	quartz-calcite stockwork +tourm-chl, 5-8% pyrite and pyrrhotite 1-2%, within veins and host		
	199.00	216.00	strongly porphyritic, looks like a flow rock is dark grey, fresh looking pyrite <0.5%, fine dissem minor bilateral hematite altn to fractures		
	216.00	219.00	transitional zone into less porphyritic zone grey , darker		
	219.00	233.00	rock becomes fine grained, argillaceous weakly thinly bedded in places welded tuff?: pumiceous clasts locally weak sericite alteration , moderate locally		

FROM	TO	SUB	DESCRIPTION	ANG	SULF
			rock moderately magnetic well foliated @70 quartz eyes common 2% 1-2% pyrite wisps or dissem.		
	230.67	231.20	fracturing common , vuggy bleaching by carb? moderate sericite alteration ? trace to 1% pyrite		
	233.00	234.50	transitional zone, rock becomes porphyritic		
	234.50	242.70	rock is strongly porphyritic, coarse feldspar crystals up to 0.5cm porphyritic and argillaceous clasts locally 1-2% pyrite , fine dissem., within some clasts trace to 1% pyrite , overall		
	242.70	302.00	rock varies from weakly to strongly porphyritic		
	246.07	246.26	quartz-calcite veining +chlorite, trace-1% py		
	250.90	251.50	bleaching weak moderate fracturing quartz-calcite veining		
	254.75	256.05	quartz-calcite veining 5% trace to 1% pyrite , dissem. within veins		
	269.90	275.25	quartz-calcite stockwork +chl-biot-tourm, 5% pyrite <0.5%		
	280.00	283.05	mildly altered rock bleaching by carb. fracturing common @12.5 patchy hematization/Fe-oxide spotty epidote, very minor		
	281.26	281.40	rock highly fractured		
	284.00	284.50	quartz-calcite stockwork +tourm, 5% trace to 1% pyrite		
	290.00	291.40	quartz-calcite stockwork +tourm, 5% pyrite 1%, in veins and host		
	290.45	290.50	rock highly fractured		
	293.00	302.00	quartz-calcite veining +tourm, 2%		
302.00			END OF HOLE		

GOLDEN SHIELD PROJECT

DDH 261-88-7



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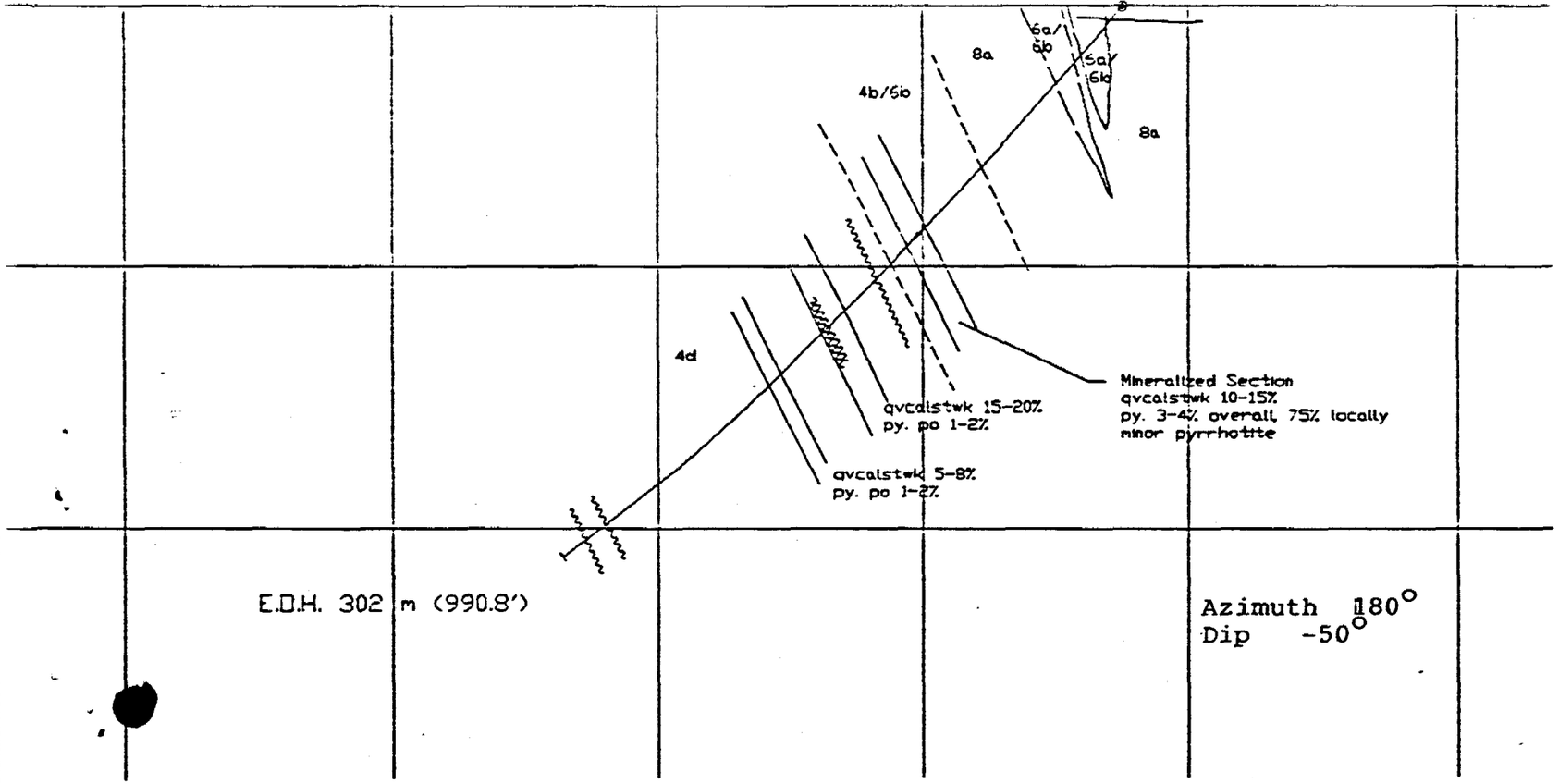
D.D.H. 261-88-7



E.O.H. 302 m (990.8')

Azimuth 180°
Dip -50°

LEGEND

MAFIC INTRUSIVES
- 9.1/9a Diorite
- 9.2/9b Gabbro

FELSIC INTRUSIVES
- 8.1/8a Granite
- 8.2/8b Granodiorite
- 8.3/8c Feldspar Porphyries
- 8.4/8d Syenite

CHEMICAL SEDIMENTS
- 7.1/7a Oxide Iron Formation
- 7.2/7b Sulphide Iron Formation
- 7.3/7c Chert, Cherty Tuffs
- 7.4/7d Carbonate
- 7.5/7d Massive Sulphide

SEDIMENTS
- 6.1/6a Tuffaceous Sediments (volcaniclastics)-wakes
- 6.2/6b Argillaceous Sediments
- 6.3/6c Conglomerate

FELSIC VOLCANICS
- 5.1/5a Rhyolite Flows
- 5.2/5b Rhyolite Tuffs
- 5.3/5c Pyroclastics (Ash Flows)
- 5.4/5d Quartz Feldspar Porphyry
- 5.5/5e Agglomerate, breccia, conglomerate

INTERMEDIATE - FELSIC VOLCANICS
- 4.1/4a Dacite, Rhyodacite Flows
- 4.2/4b Dacite Tuffs
- 4.3/4c Pyroclastics
- 4.4/4d Feldspar Porphyry or Quartz Feldspar Porphyry
- 4.5/4e Agglomerate, breccia, conglomerate

MAFIC - INTERMEDIATE VOLCANICS
- 3.1/3a Andesite-flows
- 3.2/3b Andesite-tuffs, schists (ash flows to bedded)
- 3.3/3c Andesite-fragmentals
- 3.4/3d Feldspar Porphyry

MAFIC VOLCANICS
- 2.1/2a Basalt (massive)
- 2.2/2b Basalt pillowed
- 2.3/2c Basalt fragmental
- 2.4/2d Tuff, chlorite schist
- 2.5/2e Vesicular basalt

ULTRAMAFIC VOLCANICS
- 1.1/1a Ultramafic flows and/or intrusive
- 1.2/1b Komatiitic flows and/or intrusive

FROM	TO	SUB	DESCRIPTION	ANG	SULF
0.00	34.25		CASING		
34.25	296.15		ARGILLITE (TUFFACEOUS) / ASH TUFF intercalated sequence, little variation fine grained black rock some grey/green rock faintly laminated to massive weak sericite alteration locally pervasive bleaching as patches/envelopes to veins/fractures may be graphitic throughout trace to 1% pyrite locally, diss.,wisps,blebs		
	34.25	78.40	ARGILLITE (TUFFACEOUS) / LAPILLI-CRYSTAL TUFF		
	34.25	46.10	argillite beds - reworked ash tuff? very fine grained and laminated grey to olive green depending on sericite laminations at indicated angle to core axis	65	
			vuggy qtz vein sections minor - musc.,tr. pyrite		
	46.10	58.25	lapilli/crystal tuff flow banding common contact sharp medium grained grey rock trace to 1% pyrite disseminated rock weakly magnetic		
	49.80	58.25	argillite beds - pyrite 1%		
	51.60	52.25	Stockwork of quartz veinlets vuggy section weathered trace to 1% pyrite diss. massive fine grained chlorite patch		
	58.25	62.37	argillite beds as before laminations at indicated angle to core axis	80	
			patchy sericite tr. pyrite along bedding, very fine grained		
	67.37	69.00	lapilli/crystal tuff as before		
	69.00	78.40	argillite beds as before pyrite as blebs and wisps - 1%		
		69.00	contorted at contact		
		75.60	laminations at indicated angle to core axis	70	
	78.40	91.10	ASH TUFF very similar to argillite fine grained black rock harder rock weakly magnetic minor and small scale carbonate/sericite veining minor quartz veinlets tr. pyrite along fract.,lamin. as thin films,diss.		
	83.90	84.10	fratures at indicated angle to core axis	20	
			fractures <1mm, filled with fine gr. pyrite very fine diss./patchy pyrite in wall rock, 1%		
	91.10	130.50	TUFFACEOUS ARGILLITE		
	91.10	92.55	mildly altered rock chlorite,sericite Quartz vein minor, pyrite tr-1% minor shearing may have been more argillaceous		

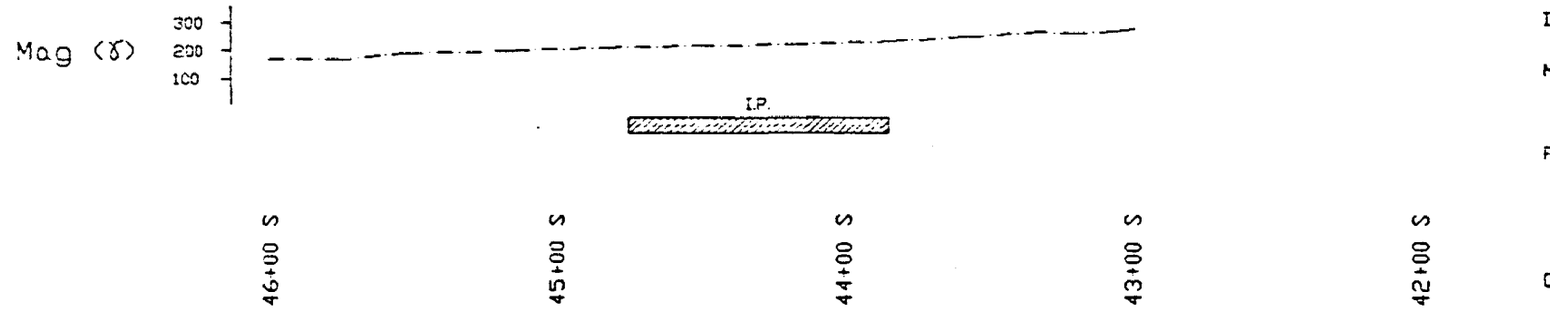
FROM	TO	SUB	DESCRIPTION	ANG	SULF
	96.85	97.15	argillite beds green		
	103.25	103.41	graphitic ?		
		105.50	bedding at indicated angle to core axis	70	
	104.25	104.72	moderate sericite alteration		
			Quartz vein minor, vuggy, weathered		
	106.00	106.30	sericite/clay rich, weathered, vuggy, tr limonite		
			rock moderately sheared , minor muscovite, tr pyrite		
	106.00	112.00	more argillaceous and sheared		
			bleaching as patches/envelopes veinlets/fractures		
			carbonate/sericite alteration		
		107.85	minor quartz veinlets pyrite tr		
		109.68	bedding at indicated angle to core axis	75	
	117.76	123.50	50% core lost in transit , section discontinous		
		125.10	quartz vein 20cm, barren		
	130.50	209.25	ARGILLACEOUS TUFF/ASH TUFF		
			rock fine grained massive		
	131.50	132.70	Quartz carbonate veining scattered, 25%		
			up to 2% po/py, diss. in wall rock		
			minor shearing		
		132.66	coarse muscovite		
	136.17	137.10	Quartz carbonate veining 30%		
			mildly altered rock sericite, some bleaching		
			pyrite and pyrrhotite tr./3%, diss and blebs		
	137.83	138.35	Quartz carbonate veining 50%		
			patchy pyrrhotite 1%, tr. pyrite		
			chlorite common		
		139.30	bedding at indicated angle to core axis	80	
	139.50	140.20	Quartz carbonate veining 15%, as before		
	146.58	146.68	Quartz carbonate veining tr. pyrite		
	147.55	149.00	trace to 1% pyrite finely diss.		
			bleaching minor		
		148.00	Quartz carbonate veining minor		
		149.00	bedding at indicated angle to core axis	85	
	151.45	152.10	mildly altered rock		
			Quartz carbonate veining minor		
		152.02	minor shearing coarse muscovite		
		155.75	bedding at indicated angle to core axis	55	
		158.75	Quartz carbonate veining minor		
	163.30	165.40	bedding highly variable - 0-90 TCA, contorted		
	166.00	173.35	trace to 1% pyrite scattered, cubes, blebs		
	172.50	176.00	contorted bedding as before		
	173.35	175.85	fine to med. grained tuff, interbedded argillite		
			pyrite diss. and in bands, occ. cubes, blebs		
			Quartz vein minor, minor carbonate alteration		
	173.95	174.12	2 small veins, filled with epidote/carb.		
			patchy hematization around veinlets		
	175.90	176.25	Quartz carbonate veining poor stockwork		
			chlorite and tr. pyrite		
	175.85	178.85	ash tuff very fine gr./massive		
			bluish-green-black		
		177.65	fracture and alteration zone		
			rock moderately hematized epidote veinlets		
		177.53	Quartz carbonate veining		

FROM	TO	SUB	DESCRIPTION	ANG	SULF
	178.05	180.25	with lapilli tuff minor quartz veinlets trace to 1% pyrite scattered cubes, blebs contorted - deformation zone?		
	180.25	183.34	minor quartz veinlets +/- qtz/carb. veining contorted, very faint laminations rock fine grained mild alt.-bleaching trace to 1% pyrite scattered cubes, blebs, diss.		
	183.34	184.08	patchy hematization weak, silicified, tr epidote trace to 1% pyrite disseminated		
		184.08	fault breccia 10 cm, 30 TCA		
	184.08	186.55	wisps of carbonate parallel to foliations		
	186.55	188.03	lapilli common gradational patchy hematization locally stronger pervasive silicification trace to 1% pyrite diss., cubes, blebs		
	188.03	188.97	ash tuff as before		
	188.97	190.18	lapilli common med. grained		
	190.18	192.46	ash tuff argillaceous, fine grained trace to 1% pyrite diss., cubes		
		190.60	laminations at indicated angle to core axis	85	
	192.46	193.45	lapilli common pyrite blebs 1%		
		196.10	contorted as before		
	193.45	197.40	tuffaceous		
	196.80	198.72	Quartz carbonate veining poorly developed rock moderately sheared		
	197.40	203.60	ash tuff massive and uniform minor quartz veinlets minor carbonate rock weakly magnetic , med. grained trace to 1% pyrite scattered cubes, blebs		
	200.30	201.07	Quartz carbonate veining 50% trace hematite veining in wall rocks		
	203.60	209.25	lap. tuff intercalated argillite rock fine grained weakly magnetic trace to 1% pyrite diss. throughout, cubes, blebs Quartz carbonate veining minor and scattered		
	209.25	241.65	TUFFACEOUS ARGILLITE/ARGILLITE as before, overall softer sections pale greenish-blue: bleached and altered moderate sericite alteration patchy patchy and contorted bedding pyrite (tr) rare, scattered		
		212.70	fault zone breccia, 2 cm, 20 TCA		
	215.20	215.80	fault zone 15-20 TCA wall rock brecciated with minor gouge 2 phases calcite cement-one has most breccia frag.		
		215.87	trace pyrite in wall rock		
		223.00	carb. veinlet with pyrite, fine grained, vuggy		
		224.00	less altered (minor) downhole		
	230.50	233.65	alteration zone with fault moderate sericite alteration clayey weak carbonate alteration , contorted , grey-green		
	232.47	232.80	sheared and brecciated fault at 15-20 TCA		

FROM	TO	SUB	DESCRIPTION	ANG	SULF
			fault zone as before, 2 carb. phases		
	234.40	234.85	Quartz vein 50%, moderate shearing		
	236.65	238.30	alteration and fault zone as before		
	237.00	237.32	fault zone as before, 0-30 TCA		
			sheared and brecciated tr. pyrite, vuggy (minor)		
	240.50	241.65	sericite richer section		
	241.65	296.15	ASH TUFF/TUFFACEOUS ARGILLITE (MINOR)		
	241.65	244.30	trace to 1% pyrite disseminated		
	242.27	242.36	Quartz carbonate veining minor, tr. pyrite		
		244.50	laminations at indicated angle to core axis	45	
			wisps of carbonate parallel to foliations		
266.35	273.60		GRANITIC DYKE?		
			rock medium grained homogenous		
			trace to 1% pyrite diss. and rare cubes		
			purplish red		
			rock moderately hematized evenly		
			poorly to moderately foliated minor and irregular		
			minor fracturing /veining in short intersection		
			contact sharp to sheared		
	267.58	268.46	argillaceous tuff as before		
	275.90	276.20	bleaching minor sericite/hematite alteration		
	280.35	282.42	patchy alteration zone		
			trace to 1% pyrite in less altereed section		
	280.40	280.60	rock brecciated and fractured		
			small alteration zone, carb./ser./qtz. veinlets		
	281.70	282.40	moderately altered rock as before, may include fault		
	286.70	287.30	2 barren qtz veins, 10-15 cm wide		
		295.20	small carb. vein, vug, breccia		
296.15			END OF HOLE		

GOLDEN SHIELD PROJECT

DDH 261-88-12



LEGEND

DIABASE

MAFIC INTRUSIVES
- 9.1/9a Diorite
- 9.2/9b Gabbro

FELSIC INTRUSIVES
- 8.1/8a Granite
- 8.2/8b Granodiorite
- 8.3/8c Feldspar Porphyries
- 8.4/8d Syenite

CHEMICAL SEDIMENTS
- 7.1/7a Oxide Iron Formation
- 7.2/7b Sulphide Iron Formation
- 7.3/7c Chert, Cherty Tuffs
- 7.4/7d Carbonate
- 7.5/7d Massive Sulphide

SEDIMENTS
- 6.1/6a Tuffaceous Sediments (volcaniclastics)-wakes
- 6.2/6b Argillaceous Sediments
- 6.3/6c Conglomerate

FELSIC VOLCANICS
- 5.1/5a Rhyolite Flows
- 5.2/5b Rhyolite Tuffs
- 5.3/5c Pyroclastics (Ash Flows)
- 5.4/5d Quartz Feldspar Porphyry
- 5.5/5e Agglomerate, breccia, conglomerate

INTERMEDIATE - FELSIC VOLCANICS
- 4.1/4a Dacite, Rhyodacite Flows
- 4.2/4b Dacite Tuffs
- 4.3/4c Pyroclastics
- 4.4/4d Feldspar Porphyry or Quartz Feldspar Porphyry
- 4.5/4e Agglomerate, breccia, conglomerate

MAFIC - INTERMEDIATE VOLCANICS
- 3.1/3a Andesite-flows
- 3.2/3b Andesite-tuffs, schists (ash flows to bedded)
- 3.3/3c Andesite-fragmentals
- 3.4/3d Feldspar Porphyry

MAFIC VOLCANICS
- 2.1/2a Basalt (massive)
- 2.2/2b Basalt pillowed
- 2.3/2c Basalt fragmental
- 2.4/2d Tuff, chlorite schist
- 2.5/2e Vesicular basalt

ULTRAMAFIC VOLCANICS
- 1.1/1a Ultramafic flows and/or intrusive
- 1.2/1b Komatiitic flows and/or intrusive

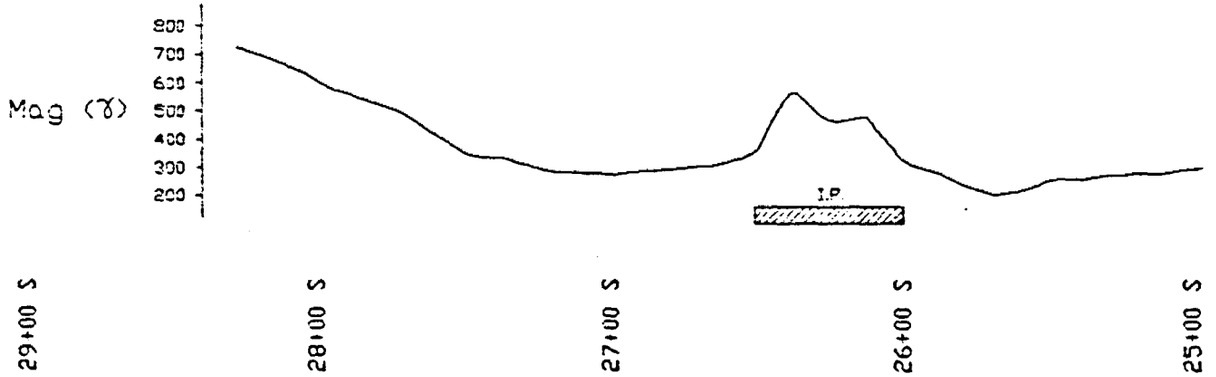
FROM	TO	SUB	DESCRIPTION	ANG	SULF
0.00	2.89		CASING		
2.89	82.25		GRANITE pinkish grey to pink medium to coarse grained rock is homogenous poorly to moderately foliated at 50 tca massive texture locally weak sericite ‖ to foliations porphyritic texture mildly to moderately quartz and feldspar phenocrysts biotite common weak carbonate alteration qtz porphyroclasts surrounded by foliation patchy hematization assoc. with fractures and veins weak chlorite alteration locally minor fracturing locally quartz and quartz-carbonate veins common tourmaline, muscovite common in veins trace to 1% pyrite disseminated in rock trace to 1% pyrite in veins oxide stain common in veins tourmaline assoc with fractures, up to 30% garnets common bleached envelopes to veins/fractures up to 5 cm rock weakly magnetic to non-magnetic		
14.38	16.05		weak - mild hematite alteration zone minor fracturing Quartz carbonate veining with tourmaline and Fe stain moderate carbonate alteration grades into lower section		
14.57	14.75		quartz-tourmaline-calcite vein muscovite up to 3% bleached envelopes to veins/fractures trace to 1% pyrite		
16.05	17.42		mild bleached alteration zone rock moderately sheared moderate sericite alteration ll to shearing at 50 tca carbonate/sericite bleaching rock moderately hematized minor fracturing trace to 1% pyrite in fractures		
32.00	48.10		bleaching assoc with fracts becomes more silic 3-5% pyrite in fractures Fe oxide staining common on carbonate vuggy section locally		
36.45	38.18		pinkish red alteration zone silic > carbonate bleaching trace to 1% pyrite disseminated		

FROM	TO	SUB	DESCRIPTION	ANG	SULF
			qtz-chl veins with tr. py		
			weak chlorite alteration along fractures		
			patchy hematization		
			shearing @ 50 tca		
			moderate sericite alteration parallel to shearing		
	64.70	65.80	mod-str shear contact with lower zone		
			contact transitional		
			blue quartz eyes common porphyroclasts?		
			poorly to moderately foliated at 61 tca		
			zone gradational over 1m above and below		
66.03	82.25		TUFF/TUFFACEOUS SEDIMENTS		
			ash tuff ?		
			blue quartz eyes common porphyroclasts?		
			moderate sericite alteration		
			garnetiferous locally		
			moderate chlorite alteration		
			non to moderately magnetic, increasing downhole		
			weak graphitic/chlorite? alteration		
			3-5% pyrite as wisps along shear/bed planes		
			tr. chalcopyrite		
			5-8% pyrite in qtz-carb fractures		
			shearing common , mildly to moderately		
			well foliated at 62 tca		
			lapilli/clasts? common		
			lapilli/clasts flattened ll to foliation		
			matrix supported?		
			becoming more argillaceous (chloritic) downhole		
			lower contact sharp - mildly sheared		
	66.40	66.70	strong chlorite crush fault zone		
			well foliated at 65 tca		
			weak sericite alteration (muscovite?)		
			weak graphitic alteration		
	67.23	72.35	quartz stockwork, 17%		
			Quartz vein up to 30 cm, 5 major veins		
			tourmaline common downhole		
			weak sericite alteration		
			trace to 1% pyrite mostly with tourmaline		
			rock fragments common		
			3-5% pyrite associated with rock frags		
	76.52	76.90	mild crush fault zone		
			core is broken		
			well foliated at 65 tca		
			Fe oxide stain common		
			chlorite common		
			sericite common		
	78.70	78.80	as above		
	81.80	81.90	garnetiferous		

FROM	TO	SUB	DESCRIPTION	ANG	SULF
82.25	140.00		GRANITE as before		
	88.50	140.00	k spar phenos/clasts more common to eoh up to 1.5 cm mild red colouration, generally patchy rock is slightly more massive than above less altered overall compared to previous section		
	94.50	94.75	rock moderately sheared moderate sericite alteration weak chlorite alteration		
	118.00	140.00	rock becomes more massive sericite and chlorite less common medium grey colour - least altered		
	125.00	140.00	small feldspar porphyry dykes common 3-5 cm width variable from 45-60 tca		
	138.85	140.00	mild to mod shear/alteration zone weak sericite alteration weak chlorite alteration weak carbonate alteration trace to 1% pyrite disseminated patchy hematization well foliated at 48 tca quartz, k spar prophyroclasts contact transitional minor qtz-carb-hem veins		
	139.45	139.60	minor fracturing common		
140.00			END OF HOLE		

GOLDEN SHIELD PROJECT

DDH 261-88-2



L133W

D.D.H. 261-88-2

8a — Hematite Alteration Zone
bleaching in lower section
tr. 1% pyrite
qtz-carb.-tourm. vein

8a — Mild Hematite Alteration Zone
trace pyrite

8a — quartz stockwork, 17% veining
tourmaline, sericite, 1% pyrite
5% pyrite in fragments

8a — strong chlorite crush faults

E.O.H. 140 m (459')

8a — sheared, quartz carbonate stringers
3-5% pyrite wisps, seams, 5-8% pyrite
in fractures, trace chalcopyrite
garnitiferous locally

Mild-Moderate Shear/Alteration Zone
tr. 1% pyrite disseminated
patchy hematization
quartz carbonate hematite veins
8a,8c

Azimuth 180°
Dip -50°

LEGEND

MAFIC INTRUSIVES
- 9.1/9a Diorite
- 9.2/9b Gabbro

FELSIC INTRUSIVES
- 8.1/8a Granite
- 8.2/8b Granodiorite
- 8.3/8c Feldspar Porphyries
- 8.4/8d Syenite

CHEMICAL SEDIMENTS
- 7.1/7a Oxide Iron Formation
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Ministry of Northern Affairs and Mines

Ontario

Report of Work

DOCUMENT No. W8808.408

32E05NW0028 19 HOBLITZELL 900

Assessment Lib. Hoblitzell Mining Recorder

Name and Postal Address of Recorded Holder

Newmont Exploration of Canada Limited / A37767

33 Yonge St., Ste. 370, Toronto, Ontario M5E 1T2

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed ~~2,422~~ 2240

for Performance of the following work. (Check one only)

- ☐ Manual Work
- ☐ Shaft Sinking Drifting or other Lateral Work.
- ☐ Compressed Air, other Power driven or mechanical equip.
- ☐ Power Stripping
- ☒ Diamond or other Core drilling
- ☐ Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
L.	628595	24	L.	628603	24	L.	628611	24
	628596	24		628604	24		628612	24
	628597	24		628605	24		628613	24
	628598	24		628606	24		628614	24
	628599	24		628607	24		628615	24
	628600	24		628608	24		628616	24
	628601	24		628609	24		628617	24
	628602	24		628610	24		628618	24

All the work was performed on Mining Claim(s): 628603, 628662, 628666, 628667 (con't)

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

- Diamond Drilling - BQ Core - for footage distribution see Tables I and II attached

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE SEP 20 1988 RECEIVED

- Work Contracted to: Bradley Bros. Limited
P.O. Box 2367
98, 14th Street
Rouyn-Noranda, Quebec
J9X 5A9

RECEIVED SEP 14 1988 11.45am

- Work performed between May 13, 1988 & June 29, 1988

Actual work done 2422
Applied 2240
Balance Banked 182

Date of Report 02/09788

Recorded Holder or Agent (Signature) R Skeries

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

Rainer A. Skeries, P.O. Box 1430, Timmins, Ontario P4N 7N2

Date Certified 02/09/88

Certified by (Signature) R Skeries

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil

768 (85/9)

GOLDEN SHIELD CLAIMS

PREFIX	CLAIM NO	TOTAL DAYS
L	628619	24
L	628620	24
L	628621	24
L	628622	24
L	628623	24
L	628624	24
L	628625	24
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