42D14SE0042 10 STREY

010

DIAMOND DRILLING

TOWNSHIP: Strey

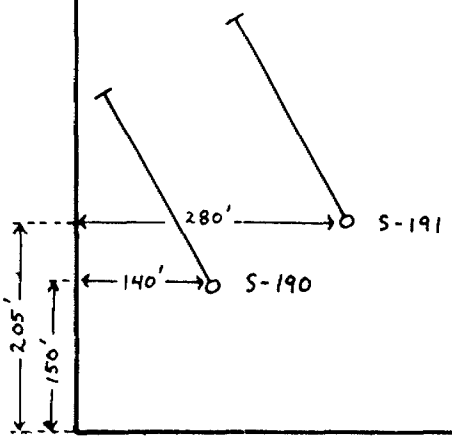
REPORT NO.: 10

WORK PERFORMED BY: Noranda Mines Ltd.

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
TB 557355	S - 190	300.0	Sept/80	(1)
	S - 191	300.0	Sept/80	(1)

NOTES: (1) #243-81

TB ~~221715~~
557355



NORANDA MINES LTD. (GECO DIVISION)

LOCATION OF S-190 AND S-191

SCALE 1" = 200'
DATE Oct. 5, 1981.
DRAWN BY R.K.
CKD BY
APPROVED

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

PURPOSE ...Surface....Exploration

LEVEL ..... CORE SIZE .AX.... COMMENCED Sept. 17, 1980

WORKING PLACE .HAYS....LAKE..... COMPLETED Sept. 19, 1980

LOCATION ..STREY...TOWNSHIP.....M1231.....

PLOTTED		Footage	Dip	Azimuth
		150'	-40½°	
		300'	-39°	

LATITUDE 48°40'.12" HOLE No. S-190

DEPARTURE 87°09'.20" LENGTH 300 ft.

ELEVATION ..... SHEET No. 1

AZIMUTH 330° LOGGED BY R. Kusins

DIP -45

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY OZ. TON AU	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
0	24.0	Casing	0	24.0			No sample									
24.0	164.0	Metabasalt to andesite,	24.0	24.5	0.5	50514		ND	0.05							
		fine grained, lenses and	24.5	27.5	3.0	50515		ND	0.07							
		veins of chloritic quartz	27.5	28.5	1.0	50516		ND	ND							
		material common, trace pyrite	28.5	33.5	5.0	50517		ND	0.02							
		24.0 - 24.5 Metabasalt,	33.5	38.5	5.0	50518		ND	0.02							
		veined by chloritic quartz	38.5	42.0	3.5	50519		ND	0.01							
		material at 20° to coring angle,	42.0	42.9	0.9	50520		ND	ND							
		1-2% pyrite	42.9	47.0	4.1	50521		ND	0.01							
		27.5 - 28.5 Aplite, pink,	47.0	52.0	5.0	50522		ND	0.04							
		coarse grained, contact at	52.0	57.0	5.0	50523		ND	0.02							
		30° to coring angle	57.0	61.0	4.0	50524		ND	0.04							
		42.0 - 42.9 Metabasalt	61.0	66.0	5.0	50525		ND	0.05							
		with chloritic quartz vein,	66.0	71.0	5.0	50526		ND	0.05							
		vein true width approximately	71.0	76.0	5.0	50527		ND	0.03							
		2 inches, follows coring angle,	76.0	77.5	1.5	50528		ND	0.03							
		minor pyrite	77.5	81.0	3.5	50529		ND	0.06							
		61.0 - 77.5 Metabasalt,	81.0	83.5	2.5	50530		ND	0.04							

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-190 SHEET No. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY OZ. TON Au	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	FO.
		chloritic quartz veins and	83.5	86.0	2.5	50531		ND	0.06							
		lenses very common, veinning	86.0	91.0	5.0	50532		ND	0.04							
		at 70° to coring angle,	91.0	96.0	5.0	50533		ND	0.03							
		minor to trace pyrite	96.0	98.0	2.0	50534		ND	0.03							
		83.5 - 86.0 Metabasalt,	98.0	100.0	2.0	50535		0.12	0.23							
		altered and weakly silicified,	100.0	103.0	3.0	50536		ND	0.03							
		hairline fractures filled with	103.0	104.5	1.5	50537		0.20	0.32							
		quartz common, locally 1-2%	104.5	109.5	5.0	50538		0.02	0.05							
		pyrite	109.5	112.5	3.0	50539		0.02	0.03							
		98.0 - 100.0 Metabasalt,	112.5	113.5	1.0	50540		ND	0.08							
		altered and silicified, quartz	113.5	116.0	2.5	50541		ND	0.08							
		and calcite vein 3 inches	116.0	116.5	0.5	50542		ND	0.04							
		wide in section at 80°	116.5	119.0	2.5	50543		ND	0.04							
		to coring angle, locally 2-3%	119.0	122.0	3.0	50544		ND	0.04							
		pyrite	122.0	124.0	2.0	50545		ND	0.05							
		103.0 - 104.5 Metabasalt,	124.0	129.0	5.0	50546		0.005	0.04							
		altered and silicified,	129.0	134.0	5.0	50547		0.01	0.03							
		quartz and calcite veined,	134.0	139.0	5.0	50548		ND	0.06							
		veins at 70° to coring angle,	139.0	144.0	5.0	50549		ND	0.04							
		3-5% pyrite	144.0	146.0	2.0	50550		ND	0.05							
		112.5 - 113.5 Metabasalt	146.0	149.0	3.0	50551		ND	0.06							

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-190 SHEET No. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY Oz. Ton Au ZN.	ASSAY OZ. TON AG.	ASSAY % FE	VAL	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
		altered and silicified, quartz	149.0	154.0	5.0	50552		0.01	0.04							
		and calcite veins in section at	154.0	159.0	5.0	50553		ND	0.04							
		45° to coring angle, minor pyrite	159.0	160.0	1.0	50554		0.01	0.06							
		116.0 - 116.5 Metabasalt	160.0	164.0	4.0	50555		ND	0.06							
		slightly altered and silicified,	164.0	165.0	1.0	50556		ND	0.05							
		1-2 % pyrite	165.0	165.9	0.9	50557		0.02	0.04							
		122.0 - 124.0 Metabasalt,	165.9	166.5	0.6	50558		ND	0.03							
		altered and silicified, calcite	166.5	171.5	5.0	50559		ND	0.01							
		veins common, less than 1/4	171.5	176.5	5.0	50560		ND	0.03							
		inch in width, trace pyrite	176.5	181.5	5.0	50561		ND	0.02							
		146.0 - 149.0 Metabasalt,	181.5	186.5	5.0	50562		ND	0.04							
		slightly altered and silicified,	186.5	187.5	1.0	50563		ND	0.03							
		chloritic quartz veins and	187.5	188.0	0.5	50564		ND	0.08							
		lenses common, minor to trace	188.0	193.0	5.0	50565		ND	0.01							
		pyrite	193.0	198.0	5.0	50566		0.01	0.04							
		159.0 - 160.0 Metabasalt,	198.0	203.0	5.0	50567		0.005	0.03							
		slightly altered and silicified,	203.0	208.0	5.0	50568		0.005	0.03							
		calcite veins less than 1/4	208.0	209.0	1.0	50569		0.01	0.03							
		inch in width common,	209.0	210.0	1.0	50570		ND	0.06							
		veins at 45° to coring angle,	210.0	211.0	1.0	50571		0.005	0.05							
		locally 2-3 % pyrite	211.0	212.0	1.0	50572		0.02	0.05							

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-190 SHEET No. 11

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY OZ. TON Au	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
164.0	216.5	Porphyritic Granite,	212.0	216.5	4.5	50573		ND	0.04							
		fine to medium grained,	216.5	219.5	3.0	50574		ND	0.03							
		grey to pink, quartz and	219.5	220.0	0.5	50575		ND	0.01							
		feldspar phenocrysts less than	220.0	225.0	5.0	50576		ND	0.02							
		1/4 inch in diameter, minor	225.0	230.0	5.0	50577		ND	0.02							
		epidote and quartz filled fractures	230.0	232.5	2.5	50578		ND	0.02							
		contact with metabasalt at 20°	232.5	237.0	4.5	50579		ND	0.03							
		to coring angle	237.0	242.0	5.0	50580		ND	0.02							
		164.0 - 165.0 Porphyritic	242.0	247.0	5.0	50581		ND	0.01							
		granite silicified, 1-2% pyrite	247.0	252.0	5.0	50582		0.005	0.02							
		165.0 - 165.9 Porphyritic	252.0	257.0	5.0	50583		ND	ND							
		granite silicified with 3	257.0	262.0	5.0	50584		ND	0.02							
		inch quartz vein in section	262.0	266.0	4.0	50585		ND	0.04							
		at 40° to coring angle, 1-2%	266.0	266.8	0.8	50586		ND	0.03							
		pyrite	266.8	268.5	1.7	50587		ND	0.03							
		165.9 - 166.5 Porphyritic granite	268.5	273.5	5.0	50588		ND	0.04							
		silicified, minor quartz and	273.5	278.5	5.0	50589		ND	0.04							
		calcite veins, 1-2% pyrite	278.5	282.0	3.5	50590		0.01	0.05							
		187.5 - 188.0 Metabasalt,	282.0	285.0	3.0	50591		0.01	0.03							
		fine grained, contact at 30°	285.0	286.0	1.0	50592		0.01	0.04							
		to coring angle, trace pyrite	286.0	291.0	5.0	50593		ND	0.01							

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-190 SHEET No. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY OZ % Au ZN.	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
		209.0 - 210.0 Porphyritic granite,	291.0	296.0	5.0	50594		ND	0.04							
		slightly silicified, minor calcite	296.0	299.5	3.5	50595		ND	0.04							
		veinning, locally 3-5% pyrite	299.5	300.0	0.5	50596		ND	0.09							
		211.0 - 212.0 Porphyritic granite														
		slightly silicified, minor calcite														
		veinning, locally 3-5% pyrite														
216.5	232.5	Quartz - Feldspar Porphyry,														
		fine to coarse grained, quartz														
		and feldspar phenocrysts up														
		to 1/2 inch in diameter,														
		contact with porphyritic														
		granite at 60° to coring angle														
		219.5 - 220.0 Aplite,														
		pink, coarse grained, contact														
		at 70° to coring angle														
232.5	268.5	Porphyritic Granite,														
		fine to medium grained,														
		phenocrysts of feldspar and														
		quartz, pink to grey in														
		colour, trace pyrite, minor														
		epidote and quartz filled														

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-190 SHEET No. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY % ZN.	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	FO.
		fractures, contact with quartz-feldspar porphyry at 30° to coring angle														
		266.0 - 266.8 Aplite, pink, fine to medium grained, contact at 70° to coring angle														
268.5	300.0	Metabasalt to andesite, fine to medium grained, chloritic quartz veinning common, veins at 30° to coring angle, trace pyrite, locally 1-2% pyrite														
		285.0 - 299.5 Aplite, pink, medium to coarse grained, occasional large (2-3 inches) microcline phenocrysts, contact at 70° to coring angle														
		299.5 - 300.0 Meta-andesite plagioclase phenocrysts common, phenocrysts less than 1/4														

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. 5-190 SHEET No. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY % ZN.	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
		inch in diameter														
300.0		End of Hole														
		R Kim														

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

PURPOSE Surface Exploration

LEVEL ..... CORE SIZE AX COMMENCED Sept. 21/80

WORKING PLACE HAYS LAKE COMPLETED Sept. 23/80

LOCATION STREY TOWNSHIP M.1932

PLOTTED		Footage	Dip	Azimuth
		150'	-34½°	
		300'	-30½°	

LATITUDE 48°.49'.12" HOLE No. S-191

DEPARTURE 87°.09'.20" LENGTH 300 ft.

ELEVATION ..... SHEET No. 1

AZIMUTH 330° LOGGED BY R. Kusins

DIP -35°

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY OZ. Au	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
0	40.0	Casing	0.0	40.0	40.0		No sample									
40.0	177.5	Porphyritic Granite To	40.0	45.0	5.0	50597		ND	0.05							
		Quartz - Feldspar Porphyry,	45.0	47.0	2.0	50598		ND	0.03							
		unlike hole S-190 difficult	47.0	51.0	4.0	50599		ND	0.09							
		to seperate into distinct	51.0	56.0	5.0	50600		ND	0.03							
		units, contacts tend to be	56.0	61.0	5.0	50601		ND	0.01							
		gradational with the granitic	61.0	64.0	3.0	50602		ND	0.02							
		portions representing sections of	64.0	67.0	3.0	50603		ND	0.01							
		potassium enrichment, fine to	67.0	69.0	2.0	50604		ND	0.03							
		medium grained, quartz and	69.0	71.5	2.5	50605		ND	0.04							
		feldspar phenocrysts generally	71.5	73.0	1.5	50606		ND	0.03							
		less than 1/4 inch in size,	73.0	76.5	3.5	50607		ND	0.04							
		occasionally up to 1/2 inch,	76.5	78.5	2.0	50608		ND	0.05							
		feldspar phenocrysts dominate,	78.5	79.0	0.5	50609		ND	0.06							
		core blocky, hairline fractures	79.0	80.0	1.0	50610		0.01	0.07							
		filled with quartz or calcite	80.0	81.0	1.0	50611		0.01	0.07							
		common, trace pyrite	81.0	84.5	3.5	50612		0.005	0.07							
		47.0 - 51.0 Meta-andesite	84.5	85.0	0.5	50613		0.005	0.09							

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-191 SHEET No. 2

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY OZ. TON Au	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
		medium grained, minor quartz	85.0	86.0	1.0	50614		0.005	0.01							
		and calcite veins up to 1/4 inch	86.0	86.5	0.5	50615		0.005	ND							
		in width, veins at 30° to coring	86.5	91.5	5.0	50616		0.005	0.01							
		angle, trace pyrite, contact with	91.5	96.0	4.5	50617		0.005	0.01							
		porphyritic granite at 30° to coring	96.0	99.0	3.0	50618		ND	0.01							
		angle	99.0	101.5	2.5	50619		ND	ND							
		61.0 - 78.5 Quartz-feldspar porphyry	101.5	104.0	2.5	50620		ND	ND							
		silicified, hairline fractures	104.0	108.0	4.0	50621		ND	ND							
		filled with calcite common,	108.0	110.5	2.5	50622		ND	0.02							
		minor pyrite	110.5	112.0	1.5	50623		0.10	0.20							
		78.5 - 79.0 Aplite,	112.0	117.0	5.0	50624		0.005	0.01							
		coarse grained, pink, contact	117.0	121.5	4.5	50625		ND	0.01							
		at 60° to coring angle	121.5	122.0	0.5	50626		0.02	0.07							
		79.0 - 80.0 Quartz-feldspar porphyry	122.0	127.0	5.0	50627		ND	0.02							
		silicified, hairline fractures	127.0	130.5	3.5	50628		ND	0.02							
		filled with quartz and calcite	130.5	135.5	5.0	50629		ND	0.04							
		common, minor pyrite	135.5	140.5	5.0	50630		ND	0.07							
		80.0 - 81.0 Aplite,	140.5	145.5	5.0	50631		ND	0.05							
		coarse grained, pink, minor	145.5	148.0	2.5	50632		0.005	0.05							
		pyrite along contact with	148.0	150.5	2.5	50633		ND	0.05							
		porphyritic granite, contact	150.5	151.5	1.0	50634		0.005	0.06							

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-191 SHEET No. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY OZ % Ton Au ~~%~~	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
		at 60° to coring angle	151.5	156.0	4.5	50635		0.005	0.03							
		81.0 - 85.0 Feldspar porphyry	156.0	158.0	2.0	50636		0.005	0.02							
		silicified, feldspar phenocrysts	158.0	161.0	3.0	50637		ND	0.02							
		abundant, phenocrysts up to	161.0	162.0	1.0	50638		0.04	0.10							
		1/2 inch in diameter, minor pyrite	162.0	166.5	4.5	50639		0.005	0.30							
		85.0 - 86.0 Aplite,	166.5	168.5	2.0	50640		0.02	0.02							
		coarse grained, pink, fractured	168.5	169.0	0.5	50641		0.01	0.04							
		and minor quartz veins,	169.0	172.0	3.0	50642		ND	0.01							
		1% pyrite, pyrite found	172.0	176.0	4.0	50643		0.01	0.03							
		along fractures, contact at	176.0	177.5	1.5	50644		0.02	0.03							
		70° to coring angle	177.5	180.0	2.5	50645		ND	0.08							
		86.0 - 86.5 Quartz-feldspar porphyry	180.0	182.0	2.0	50646		0.02	0.10							
		silicified, hairline fractures	182.0	185.5	3.5	50647		0.03	0.11							
		filled with calcite common,	185.5	190.0	4.5	50648		ND	0.08							
		minor pyrite, contact with	190.0	193.0	3.0	50649		ND	0.05							
		porphyritic granite at 45° to	193.0	196.0	3.0	50650		ND	0.09							
		coring angle	196.0	197.0	1.0	50651		0.005	0.08							
		101.5 - 104.0 Quartz-feldspar porphyry	197.0	200.5	3.5	50652		ND	0.07							
		silicified, fine to medium	200.5	205.5	5.0	50653		ND	0.07							
		grained, quartz and feldspar	205.5	210.5	5.0	50654		ND	0.08							
		phenocrysts in equal proportions	210.5	213.5	3.0	50655		ND	0.08							

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-191 SHEET No. 4

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY OZ % Ton Au	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
		phenocrysts up to 1/4 inch	213.5	217.0	3.5	50656		ND	0.07							
		in diameter, weak schistosity	217.0	221.5	4.5	50657		ND	0.11							
		developed at 60° to coring angle,	221.5	224.0	2.5	50658		ND	0.08							
		minor pyrite	224.0	224.5	0.5	50659		ND	0.13							
		110.5 - 112.0 Quartz-feldspar porphyry	224.5	228.5	4.0	50660		ND	0.09							
		silicified, minor quartz and	228.5	232.0	3.5	50661		ND	0.10							
		calcite veins at 20° to	232.0	236.5	4.5	50662		ND	ND							
		coring angle, minor pyrite along	236.5	237.0	0.5	50663		0.005	0.01							
		fractures	237.0	242.0	5.0	50664		ND	ND							
		121.5 - 122.0 Quartz-feldspar porphyry	242.0	243.0	1.0	50665		ND	ND							
		silicified, calcite and quartz	243.0	247.0	4.0	50666		ND	ND							
		veins common, veins at 30°	247.0	250.5	3.5	50667		ND	0.01							
		to coring angle, minor pyrite	250.5	252.0	1.5	50668		ND	0.01							
		130.5 - 150.5 Feldspar porphyry	252.0	252.5	0.5	50669		ND	0.01							
		potassium enriched, porphyritic	252.5	257.5	5.0	50670		ND	0.02							
		texture not well developed,	257.5	262.5	5.0	50671		ND	0.03							
		overall grain size uniform	262.5	263.5	1.0	50672		ND	0.03							
		with occasional feldspar	263.5	264.5	1.0	50673		ND	0.05							
		phenocrysts, phenocrysts generally	264.5	265.0	0.5	50674		ND	0.04							
		less than 1/8 inch in size,	265.0	267.0	2.0	50675		ND	0.06							
		contact is gradational	267.0	271.5	4.5	50676		ND	0.05							

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-191 SHEET No. 5

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY OZ. TON AU	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
		161.0-162.0 Feldspar porphyry	271.5	275.0	3.5	50677		ND	0.08							
		slightly silicified, highly	275.0	278.0	3.0	50678		ND	0.07							
		fractured, quartz veins up to	278.0	279.0	1.0	50679		ND	0.04							
		1/4 inch in width common,	279.0	279.5	0.5	50680		ND	0.05							
		veins at 45° to coring angle	279.5	284.5	5.0	50681		ND	0.04							
		168.5-169.0 Feldspar porphyry	284.5	289.5	5.0	50682		ND	0.04							
		silicified, small 1/8 inch	289.5	290.5	1.0	50683		ND	0.03							
		quartz veins in section, veins	290.5	295.0	4.5	50684		0.04	0.15							
		at 60° to coring angle, pyrite	295.0	300.0	5.0	50685		0.01	0.02							
		common along contact with porphyry														
177.5	221.0	Metabasalt to andesite,														
		highly fractured, fine grained,														
		quartz and calcite veins common,														
		chloritic quartz lenses very common,														
		portions show strong hematite														
		staining, contact with quartz-														
		feldspar porphyry at 70° to														
		coring angle, trace pyrite														
		177.5-182.0 Metabasalt														
		to andesite, altered and														
		silicified, fine quartz and														

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-191 SHEET No. 6

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY % ZN.	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
		calcite veins common,														
		veins at 60° to coring angle,														
		pyrite 5-10% along contacts														
		of veins														
		185.5 - 190.0 Diorite,														
		fine to medium grained,														
		grey, occasional plagioclase														
		and feldspar phenocrysts,														
		contact at 30° to coring angle														
		193.0 - 196.0 Metabasalt to														
		andesite garnetiferrous, 1%														
		pyrite, minor calcite veins														
		at 70° to coring angle														
		197.0 - 200.5 Metabasalt to														
		andesite, slightly altered,														
		numerous chloritic quartz														
		veins and lenses, hematite														
		staining common, minor pyrite														
		217.0 - 221.5 Metabasalt to														
		andesite, highly folded,														
		slightly altered, veins and														

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-191 SHEET No. 7

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY % ZN.	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
		lenses of chloritic quartz														
		material common, hematite staining														
		common, minor pyrite														
221.5	232.0	Quartz-Feldspar Porphyry,														
		fine to medium grained, matrix														
		is very fine grained, phenocrysts														
		of quartz and feldspar not as														
		common as previous intersection,														
		hairline fractures filled with														
		quartz and calcite common,														
		trace pyrite														
		224.0 - 224.5 Metabasalt,														
		highly fractured and veined														
		by calcite, contact with														
		porphyry at 70° to coring														
		angle, trace pyrite														
		228.5 - 232.0 Quartz-feldspar														
		porphyry, altered and silicified														
		highly fractured, calcite and														
		quartz veins very common,														
		minor pyrite														

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-191 SHEET No. 3

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY % ZN.	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
232.0	263.5	Quartz - Feldspar Porphyry ?, highly fractured, potassium enriched and highly altered, quartz phenocrysts quite common, rock is badly fractured and altered so original composition difficult to say with certainty, appears to be part of a major fracture zone, hairline fractures filled with quartz and calcite abundant, minor pyrite														
		236.5-237.0 Quartz - feldspar porphyry, highly altered and intensely veined by small calcite veins up to 1/4 inch in width, minor pyrite														
		242.0 - 243.0 Quartz - feldspar porphyry, highly altered and intensely veined by calcite veins up to 1/4 inch in														

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-191 SHEET No. 9

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY % ZN.	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
		width, minor pyrite														
		252.0 - 252.5 Quartz - feldspar														
		porphyry, highly altered and														
		intensely veined by calcite,														
		veins at 30° to coring angle,														
		minor pyrite														
263.5	300.0	Metabasalt to andesite,														
		fractured and slightly														
		altered, hairline fractures														
		filled with calcite common,														
		trace pyrite														
		263.5 - 264.5 Diorite,														
		grey, fine grained,														
		hairline fractures filled														
		with calcite common,														
		trace pyrite														
		264.5 - 265.0 Metabasalt to														
		andesite, highly altered														
		and silicified, highly fractured,														
		minor calcite veins, trace														
		pyrite														

NORANDA MINES LIMITED (Gecc Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-191 SHEET No. 10

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY % ZN.	ASSAY OZ. TON AG.	ASSAY % FE	ASSAY VAL.	ACCUM. EXTENSIONS CU.	ACCUM. EXTENSIONS ZN.	ACCUM. EXTENSIONS AG.	ACCUM. EXTENSIONS PY.	ACCUM. EXTENSIONS PO.
		267.0-271.5 Metabasalt to andesite, highly fractured and altered, slightly silicified, minor calcite veins, trace pyrite														
		278.0-279.0 Diorite, grey, fine grained, contact at 20° to coring angle														
		279.5-284.5 Diorite, grey, fine grained, contact at 20° to coring angle, calcite filled fractures common, trace pyrite														
		290.5-295.0 Metabasalt to andesite, highly fractured, altered and silicified, quartz and calcite veins very common, veins less than 1/4 inch in width, minor pyrite														
		295.0-300.0 Diorite, medium grained, mottled pink to grey, fractured with calcite veins filling in														

NORANDA MINES LIMITED (Geco Division)

DIAMOND DRILL HOLE LOG

HOLE No. S-191 SHEET No. 11

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE FOOTAGE FROM	SAMPLE FOOTAGE TO	SAMPLE FOOTAGE TOTAL	SAMPLE NUMBER	ASSAY % CU.	ASSAY % ZN.	ASSAY OZ. TON AG.	ASSAY % FE	VAL.	ACCUM. EXTENSIONS CU.	ZN.	AG.	PY.	PO.
		fractures, minor pyrite,														
		contact at 60° to coring														
		angle, trace pyrite														
300.0		End of hole														
		R. K														

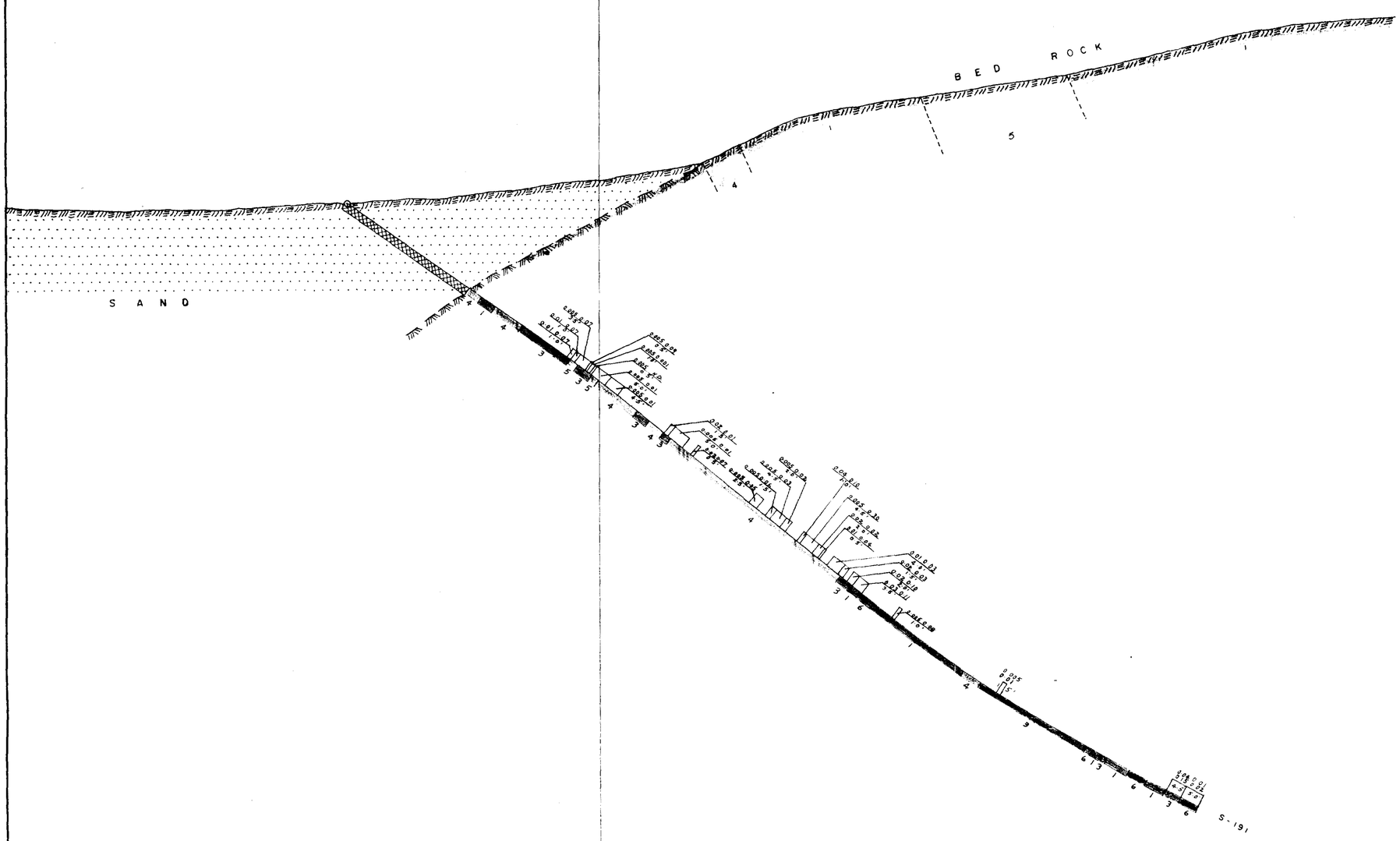
STREY TWP. #243-8
(WALTER HOKER)

NORANDA MINES LTD.
(GECO DIVISION)

HAYES LAKE GOLD PROSPECT

SECTION 450+00 E

D.D. HOLE S 191
Azimuth 330°
Dip -35°
Length 300'



L E G E N D

- Metabasalt to andesite
- 2 Metabasalt to andesite with plagioclase phenocrysts
- Altered and/or silicified zones
- 4 Quartz feldspar porphyry
- 5 Granite and aplite
- 6 Diorite

Oz Au, Oz Ag / Sample Width — ASSAY VALUES
ND — NOT DETECTED

SCALE - 1" = 20' DATE - Oct. 1980

Baseline

TB557355

42D14SE0042 10 STREY

200