87-409 - 16144
5/88

REPORT ON DIAMOND DRILL PROGRAM

ON PART OF CHINA GROUP,

PORT ALBERNI, AREA, BRITISH COLUMBIA

CLAIMS INVOLVED:

1. Lucy 3 (Alberni M.D.) Linda 1, Jenny, Loupy (reduced) (Nanaimo M.D.) China
2. China (reduced), Grizzly (reduced), China 2, Grizzly 2, Katrina, Cathy (Nanaimo M.D.)

TOTAL CLAIM UNITS: 88

LOCATION:

Alberni and Nanaimo Mining ~~Districts~~ Divisions
N.T.S.: 92 F/~~2G~~ 2E,
Latitude: 49° ~~20~~ 09'
Longitude: 124° ~~41~~ 39'30"
China Creek - Duck Lake area, 12 air-kms northeast of Port Alberni; Vancouver Island, B.C.

OWNERS:

1. Westmin Resources Limited
2. Nexus Resource Corporation

OPERATOR: Nexus Resource Corporation

REPORT BY: Edward Lyons

DATE: 17 July 1987

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1. INTRODUCTION

1.1 Property Definition

The China Group consists of ten contiguous claims (Figure 1) totalling 88 units as described below:

Claim Name	Units	Record No.	Anniv. Date	Mining District
Lucy 3	16	374 (5)	May 2	Nanaimo
Linda 1	16	454 (5)	May 2	Alberni
Jenny	20	636 (11)	November 13	Alberni
Loupy (reduced)	6	637 (11)	November 13	Alberni
China (reduced	2	1234 (5)	May 14	Alberni
Grizzly (reduced)	8	1239 (5)	May 26	Alberni
Katrina	8	1726 (4)	April 21	Alberni
Cathy	8	2922 (5)	May 28	Alberni
China 2	7	2923 (5)	May 28	Alberni
Grizzly 2	3	2924 (5)	May 28	Alberni

1.2 Location, Access and Physiography

The China Group is located 12 kilometers east of Port Alberni on Vancouver Island (Figure 2). Access to the claim group is best by an all weather, gravel, logging road that follows China Creek from Cameron on the Bamfield Road and logging roads south of China Creek to Duck Lake.

The claim group straddles the steep sided valley of China Creek. North of the creek, the property covers part of the south face and upper plateau-like reaches of McLaughlin Ridge. The south half of the claim group covers the north slopes of Douglas Peak.

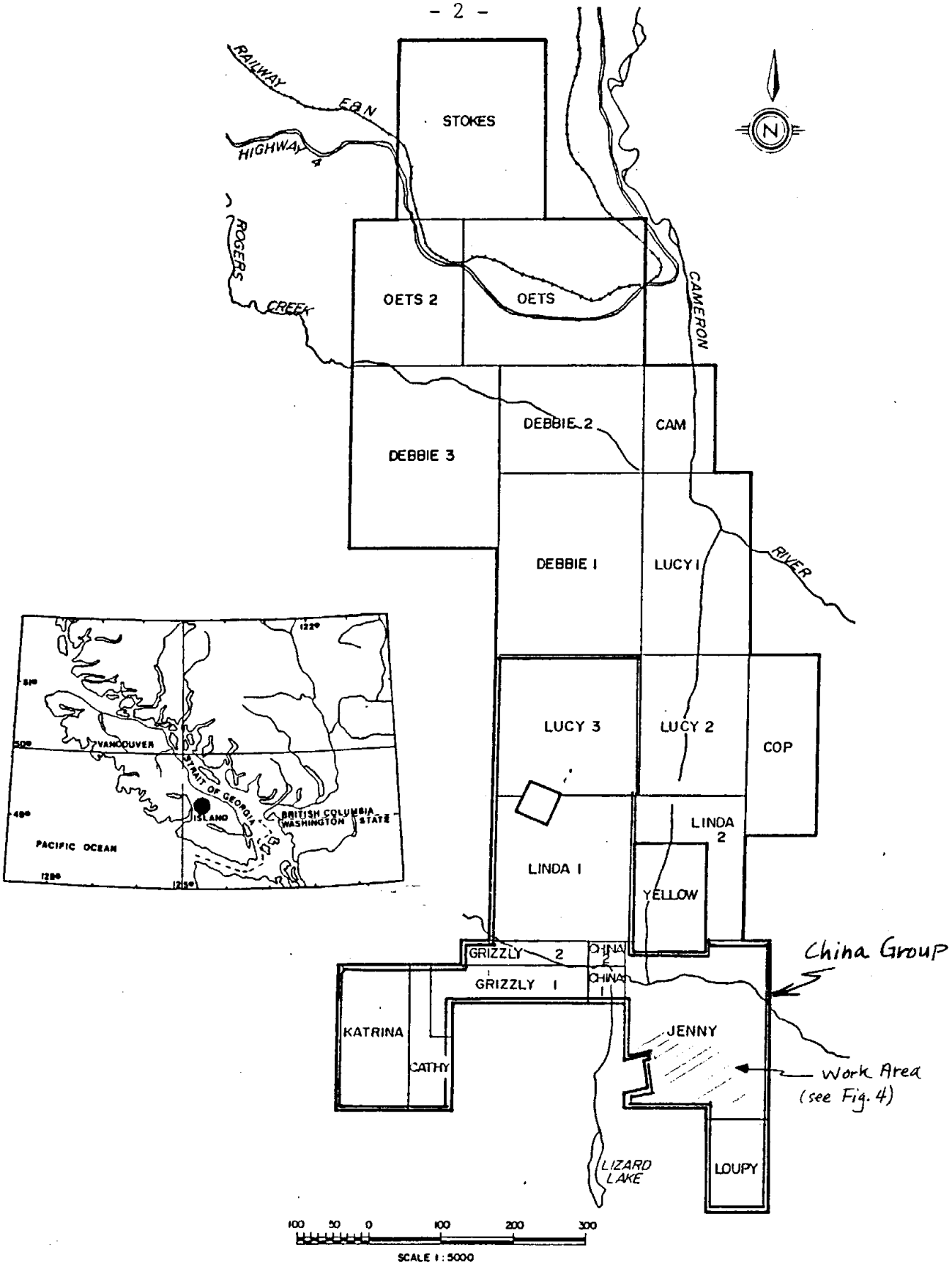


Figure 1. Property Definition, China Group

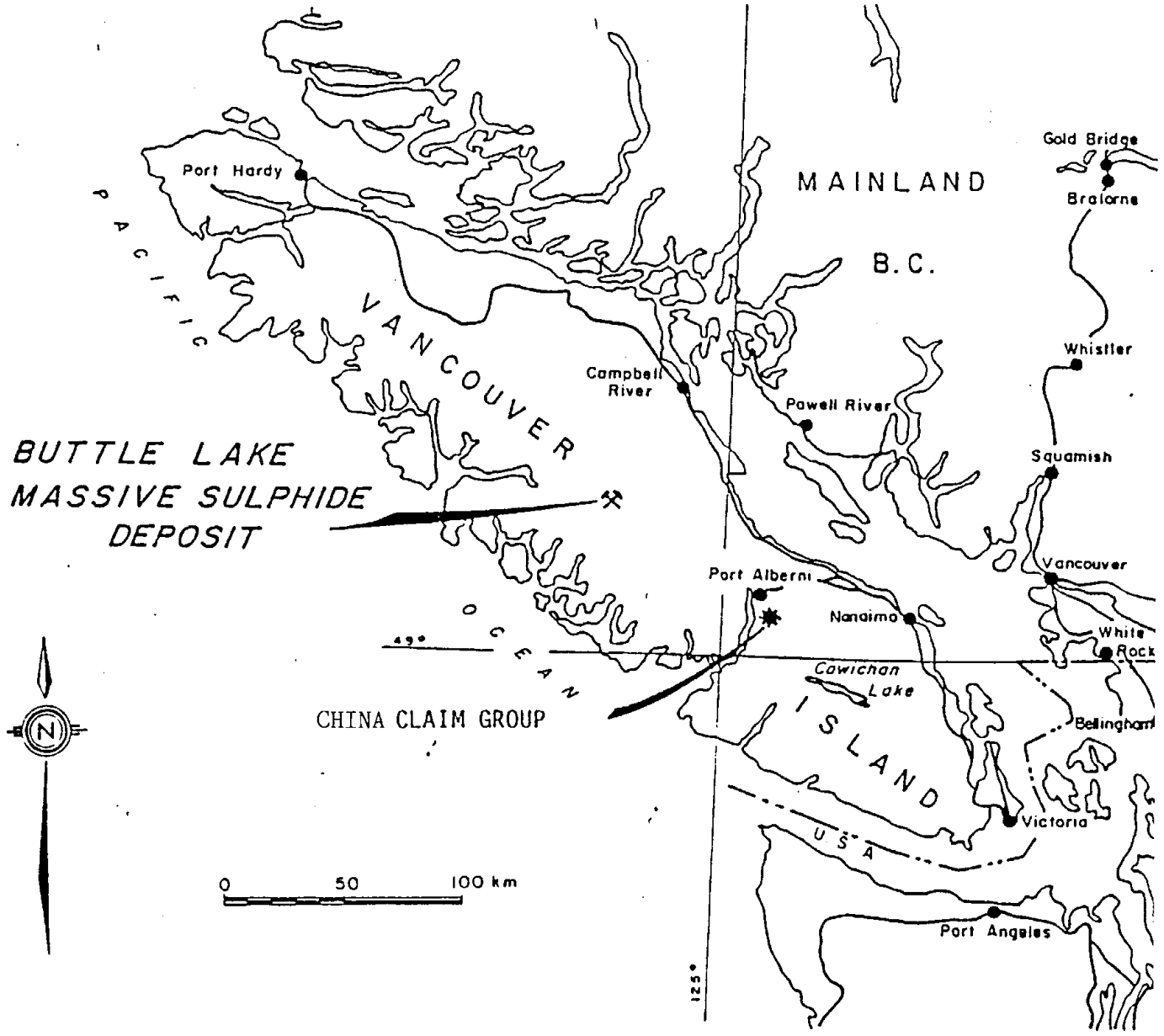


Figure 2. Location of China Group, Vancouver Island

Most of the Jenny and Loupy claims are covered by old and new logging slash. The lower slopes of China Creek Valley are covered with second tree growth. The upper reaches of the Linda 1 and Katrina claims are covered with open, mature, first growth fir forest.

1.3 Property History

The China Creek area has a long history of mineral exploitation and exploration, beginning as early as 1862 with placer mining. Lode mining near Mineral Creek by Consolidated Alberni Gold Mining Co. and later by Vancouver Island Gold Mines Ltd., in the 1890's and mid-1930's respectively, recovered 303 ounces of gold and 52 ounces of silver from 403 tons mined (Stevenson, 1944). These old workings now lie within the Yellow claim northeast of and contiguous with, the Jenny group (Figure 1).

On the Regina group, now part of the China Group and Crown Grant L556 (Figure 1), the Alberni Gold Development Syndicate in the late 1890's drove several adits into "silicified and pyritized andesite" and reported gold values to 0.64 ounces per ton along with chalcopyrite and galena (Stevenson, 1945).

Westmin Resources Ltd. staked the Lucy 3, Linda 1, Jenny and Loupy claims in 1979 in their search for Buttle Lake-type (Walker, 1983) exhalative sulphide ores. To date, Westmin has carried out airborne geophysics, mapped geology, covered all but valley fill with soil geochemistry, and detailed the Regina workings area with ground geophysics.

1.4 Objectives of This Study

The purpose of the drilling was to test the trend of surface sulphide showings, and IP anomalies. Lithogeochemical anomalies were also tested as was a stratigraphic model.

2. DETAILED TECHNICAL DATA

2.1 Geology

2.1.1 Regional Setting

The China claim group lies within rocks of the Sicker Group (Figure 3), the oldest stratigraphic unit recognized on Vancouver Island. Sicker Group rocks are basement to at least two depositionally stacked, lower Mesozoic tectonostratigraphic assemblages which now define a terrane called Wrangellia by Jones and others (1977). Wrangellia apparently persisted as a discreet entity until Late Jurassic time, when it coalesced with a second terrane, Alexander, to form a composite terrane that now corresponds closely with the Insular Belt, one of five geologic and physiographic belts of the Canadian Corillera. Sicker Group rocks appear to be a consequence of a Late Devonian-Permian volcanic arc.

The claim group lies at the northwest edge of a 10 kilometer wide belt of Sicker Group rocks, the "Cowichan-Horne Lake uplift" best described by Muller (1980) as a com plex anticlinal uplift. Immediately west of the claim group, Sicker group rocks are in fault contact with both younger Wrangellia rocks, flood basalts of the Karmutsen Formation, and with post-Wrangellian Late Mesozoic non-marine grading to marine clastic sediments of the Nanaimo Group and Jurassic batholithic granitoid rocks. A large, possibly early Tertiary, feldspar porphyritic stock of intermediate composition intrudes Nanaimo Group rocks four kilometers east of the claim group.

This area of Vancouver Island is dominated by steep long-lived north and northwesterly directed fault systems. Faulting in a northeastern direction has affected younger Mesozoic and Tertiary rocks.

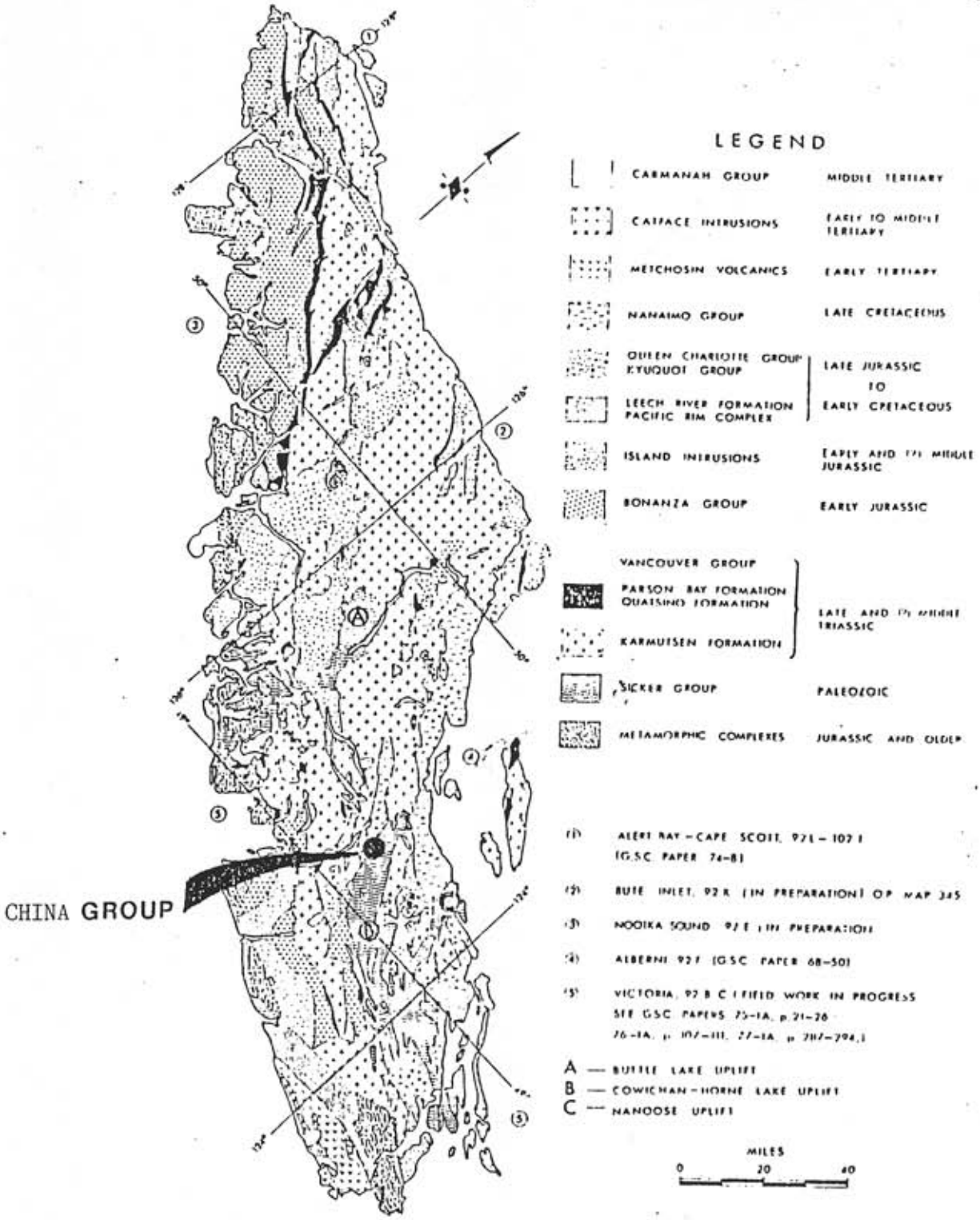


Figure 3. Geology map Vancouver Island

2.1.2 Property Setting

Most of the Claim group is underlain by basaltic flow and volcaniclastic rocks, and less extensively by massive crystalline dacitic flows and lapilli tuffs that are best developed at higher elevations on the Jenny and Linda 1 claims. Intercalated with basalts are narrow magnetite-bearing tuffaceous units with associated sedimentary chert.

In the area examined, lithologic units generally trend at approximately 140° and dip 20° to 40° easterly. Masking primary depositional features is a superimposed foliation trending about 155° and dipping easterly 70° to 80° with rare steep west dips. A conspicuous mineral lineation is locally well developed on this later schistosity, trending about 160° and plunging 10° northwest.

It is interpreted that the central part of the claim group occupies the east limb of a shallow, north-plunging open anticlinal fold. The fold is cored by basaltic flows and flow breccias, intercalated tuffaceous sediments and sedimentary chert, and overlain stratigraphically by more siliceous, dacitic flows and associated clastics.

Further complicating stratigraphic relationships is a north-south fault occupying the channel of Mineral Creek. The Mineral Creek fault is probably the north extension of a fault that now follows Lizard Lake and Williams Creek, where it is a boundary between Sicker Group and Karmutsen Formation rocks. If at one time a continuous structure, the Williams Creek-Mineral Creek fault is now offset left-laterally by a west trending fault following China Creek. However, no westerly trending faults were seen in the channel of China Creek. Of possible economic significance is the spatial association to the Mineral Creek-Williams Creek fault of the lode gold veins on the Yellow claim and the pyritized volcanics at the Regina Workings.

2.2 Work Summary

Nine BQ wireline drill holes were drilled on the Jenny claim between 3 December 1986 and 6 February 1987, using a Boyles BBS-1 (Roger's Drilling Service Ltd.) and a Longyear skid-mounted Super 38 (D.W. Coates Enterprises, Ltd.). All casing was left in the holes. Drill core, sample pulps and rejects are warehoused at Toms Brother Ltd. in Port Alberni, B.C. Georgina A. Price (M.Sc., contract geologist with Westmin) guided the drill program and logged the core.

Work is summarized below:

Table 1 Drill Summary

HOLE NO.	NORTHING (Debbie Property Grid)	EASTING (Debbie Property Grid)	ELEVATION (m)	HOLE LENGTH	COLLAR DIP	COLLAR AZIMUTH	DATE	SAMPLES
DR10-86	6298.8	10498.1	933	178.9	-56°	272°	3-6/12/86	74
DR14-86	6298.8	10498.6	934	151.5	-75°	284°	6-9/12/86	27
DR16-86	6358.3	10506.5	933	144.8	-57°	277°	9-12/12/86	18
DR17-86	6789.1	10461.8	881	611.7	-74	268°	9-20/12/86+ 8-13/01/87	93
DR26-87	6788.3	10450.1	881	388.9	-62	262°	16-21/01/87	49
DR31-87	6525.1	10946.9	920	172.5	-56	061°	22-24/01/87	23
DR39-87	6561.9	11037.8	913	111.6	-54	249°	31/01-2/02	17
DR41-87	7400.1	10538.6	681	212.3	-52	060°	2-5/02/87	60
DR44-87	7402.5	10566.5	680	86.9	-57	240°	5-6/02/87	9
			2 049.0					370

2.3 Drill Logs

MINERALS

albite (ab)
ankerite (ank)
arsenopyrite (aspy, asp)
calcite (cal, cc)
carbonate (carb, cb)
chalcopyrite (cp, chpy)
chlorite (chl)
epidote (ep, epid)
feldspar (fsp)
galena (gl, gs, PbS)
goethite (go)
hematite (hem)
hornblende (hb, hl'd)
jasper (J, j)
leucoxene (leuc, leuco)
magnetite (mag)
plagioclase (plag)
pyrite (py)
pyroxene (px)
pyrrhotite (po)
quartz (qtz, Q)
sericite (ser)
sphalerite (sph, sp)
sulphide (sulph)
visible gold (VG)

LITHOLOGIES

andesite (And)
argillite (arg)
basalt (Bas, bas)
chert (cht, ch)
diabase (db, dia)
diorite (dio)
feldspar porphyry (FP)
keratophyre (Ker, K)
limestone (lst)
rhyolite (Rhy, R)

COLOURS

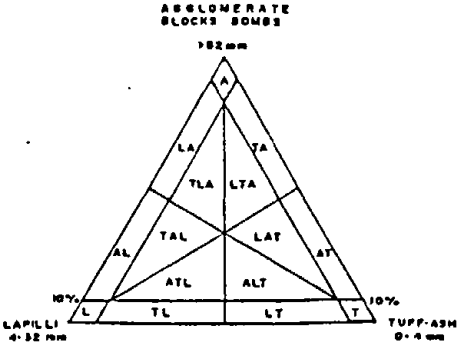
black (blk)
bleached (bl'd)
brown (bwn, brn, bn)
creamy (crmy)
dark (dk)
green (grn, gn)
grey (gy, gry)
light (lt)
medium (med)
white (wht)

OTHER

altered (alt)
associated (assoc)
average (avg, ave)
component (comp)
composition (comp)
concentrated (conc, con)
cross-cut (xc, x-cut)
especially (esp)
footwall (fw)
hangingwall (hw)
intermediate (inter)
interval (int)
irregular (irreg)
local (loc)
lost core (lc)
occasionally (occ)
parallel (//)
possibly (poss)
very (V, v)
with (/w, wi, w)

TEXTURES / STRUCTURES

agglomerate (A, aggl)
amygdaloidal (amyg, amygl, amy)
angular (ang)
anhedral (anh)
bedded (b'd, bd'd)
breccia (bx, brxx)
broken core (bc, bk'n)
coarse (c, C, cse)
contact (ct)
core axis (CA)
crystal (xtl, xl)
diameter (D)
disseminated (diss)
dyke (Dy)
elongated (elong)
fault (flt)
fine grained (fg, F)
flow (Fl, f)
foliated (foi)
fractures (fracts, frctd)
fragments (frags)
gouge (go, Go)
gradational (grad)
groundmass (gdmss)
hyaloclastite (hycl)
hydraulic fracture (hyfrac)
laminated (lam, lam'd)
lapilli (L, lap)
lapillistone (lapst)
limonitic (lim'c)
massive (msv)
matrix (mx)
medium grained (mg, M)
moderate (mod)
mottled (mot)
network (ntwk)
oxidized (ox'd)
pervasive (perv)
phenocryst (pheno)
pillow (Pill, pil)
porphyritic (P, porph)
pseudomorph (pseudo)
rock (rx)
rounded (rnd, rd)
scattered (scatt)
sharp (shp)
speckled (spk'ld)
strong (strg, str, strng)
subangular (subang)
subhedral (subh)
subround (subrd, submd)
texture (text, tx)
trace (tr)
tuff (T, t)
vein (vn)
veinlet (vnlt)
vesicular (vesic)
volcanic (volc)
volcaniclastic (Vc)
weak (wk)



Georgina Price

DR10-86

Co: WESTMIN RESOURCES LTD.
Project: DEBBIE
Length (m) : 178.9
Dip : -55°
Azimuth : 230°
Collar elev (m) : 933
Core size : BQ

Map Grid N : 6,299
E : 10,498
Field Grid : Regina
N : 8 + 45 S
E : 2 + 45 W

Date Drilled : Dec. 3-6, 1986
Contractor : R. Sylvestre
Logged by : G. Price
Date Logged : Dec. 5-8, 1986

Survey Type	Depth	Dip	Azi
Pajari	6.1	-56°	--
Pajari	64.9	-58°	272
Acid	121.9	-58°	--
Acid	178.9	-61°	--

Objective/Comments: IP anomaly, massive sulphide - keratophyre ct, stratigraphic control.

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
0-2.44	Casing left in hole.											
2.44-23.97	Bas (Dac?) ALT: dk gn, non magntc, poorly preserved volc texture; 10-15%(?) A <70mm w/ diffuse boundaries; 30% L subrnd to rnd heterolithic w/ 10-20% pseudomorphs after plag alt'd to ser-chl; groundmass is cg w/ 20% 1-3mm pseudomorphs after plag; x-cut by qtz-cal vns <0.6cm, <0.5% total rx volume msv. 19.70 - 23.97: start of spotty (<0.5mm) leucoxene/ser alt, 2-3% 22.99-23.97: flow top brxx	wk to mod chl +/- qtz, wk spotty ser/leucoxene(?) 17.86-18.06 - strn qtz > chl > cal 19.42-19.52 - strn qtz > chl > cal	tr py as 0.8cm elongate blebs,	GP-86-R4	20.42	27.76	2.34	whole rock				
				GP-86-R4	20.92			thin section				
23.97-24.97	Bas (Dac?) LT: dk gn, nonmagntc, 'layered' at 90° to CA; heterolithic, 30-50% subang to subrnd L, <1cm, loc good preservation; brxx zone at base w/ shearing at 85° to CA nr brxx.	wk chl										
24.97-29.24	Bas (Dac) ALT: dk gn, non magntc, poorly to mod preserved volc texture,	wh chl-ep										

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	wkly sheared; heterolithic diffuse lithic boundaries; 10% A, 40% L; x-cut by cal-qtz-chalcedony(?) vns, <3mm, <0.3% total rx.											
29.24-30.04	Fault zone: pale gn, (clay-fuchsite-ser-chl) gouge over <0.5cm, broken ground, <2% cal as vns/ blebs.											
30.04-38.56	Bas (Dac?) ALT: dk gn, wkly sheared at 65° to CA, local good preservation of volc, texture; 15% subrnd A, <80mm, diffuse boundaries; 02-30% L subrnd, elongate; heterolithic, loc preservation of 2-4mm hb/px and plag pseudomorphs alt'd to chl-ser; x-cut by qtz/vns <3mm, <2% total rx volume; nonmagntc.	31.20-32.80: brxx, Fe-oxide stain (geothite, jarrosite?) qtz-hematite 35.17-38.56: wk to mod silicification	33.25-34.65: flt zone, broken, siliceous (chalcedony?) w/ 2 fault gouge over 3cm, banded/ sheared at 50° to CA hosting qtz boudins (4cm) assoc w/ tr diss py on shear planes 35.17-38.56: brxx zone 'crackle' subrnd to subang frags <3cm, tr diss py	2101 2102 2103 2104 2105	31.20 32.80 33.95 35.17 36.87	32.80 33.95 35.17 36.87 38.56	1.60 1.15 1.22 1.69 1.69	22 1 2 1 2	.1 .1 .2 .1 .1	3 6 10 3 3	8 39 75 14 7	68 66 70 34 35
38.56-52.16	Amyg-pillow(?) Bas: dk gy gn, sharp ct w/ flow banding at 75° to CA defined by loss of brxx; 30% 'pillows' (<80mm-bombs?) w/ diffuse boundaries over 0.5cm, subrnd, w/ 75% 0.8mm round amyg filled w/ qtz/ chalcedony/chl?? (rounded phenos w/ 0.1mm alt rims?); interstitial to disconnected-individual pillows is vfg dk gn Bas, nonmagntc; x-cut by banded qtz-chalcedony vns <0.8cm <1.5% total rx volume	41.15-42.78: mod silicification 47.53-49.34: mod silicification, wk-chl, loc-fuchsite(?) assoc w/ fault plane/qtz vn	39.29: tr chpy assoc w/ qtz vn 41.15-42.78: tr to 1% diss py (<1mm) in Bas and 'pillows' 42.78-43.70: tr py (gal?) assoc w/ qtz-chalcedony vnlts 47.53-49.34: fault, brxx w/ local gouge(47.82), 2-4% py (gal?) on fault planes, interstitial to brxx and in shear bands (<0.5cm thick)	2106 2107 2108 2109 2110 2111	38.56 39.56 40.56 41.15 47.53 48.53	39.56 40.56 41.15 42.78 48.53 49.34	1.0 1.0 0.59 1.63 1.34 0.81	1 1 9 24 176 43	.1 .1 .1 .2 .2 .1	10 7 7 30 304 35	131 302 236 75 20 115	90 130 129 47 104 147
	49.34-52.16: bedded amyg Bas, fining down hole, flowed/sheared/bedded at		49.34-52.16: 3-5% py, replacing amyg (1-2mm), diss in bands	2112 2113	49.34 50.34	50.34 51.34	1.0 1.0	18 1	.4 .1	40 9	38 101	242 177

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	85° to CA, from 2mm amyg to aphanitic tuff bands 1-2cm thick.		assoc w/ tuff	2114	51.34	52.16	1.0	20	.1	20	104	251
				2114B	52.16	53.30	1.14	1	.1	10	757	772
52.16-66.37	Bas ALT: ct defined by discontinuation of amygdules and 1st appearance of heterolithic fragments w/ brxx over 20cm; dk gn, msv, nonmagntc; 10-15% A (<80mm) w/ diffuse boundaries, subrnd w/ flow bands locally; 30-50%(?) L frags, poorly preserved boundaries; x-cut by qtz vns, <1cm, <3% total rx volume (qtz-chalcedony?) 59.63-59.81: vfg med gn flow, sharp cts 57.83-58.03: brxx 64.01-64.17: brxx 64.17-65.70: vfg med gn flow (no leucoxene/py) 65.70-66.00: brxx 66.00-66.37: vfg med gn flow (no leucoxene/py).	54.21-64.00: spotty vfg (<0.4mm) leucoxene/ser, 2% (?)	54.21-64.00: 2-6% cg (1mm) diss py, late(?) as overgrows qtz vns	2115	54.21	55.71	1.5	15	.7	17	235	118
				2116	55.71	57.21	1.5	360	.5	747	91	117
				2117	57.21	58.71	1.5	240	.2	267	28	82
				2118	58.71	59.63	0.92	440	.5	92	134	103
				2119	59.81	61.31	1.5	93	.1	11	93	119
				2120	61.31	62.81	1.5	22	.2	40	39	115
				2121	62.81	64.05	1.24	12	.1	4	31	104
66.37-72.15	Brxx zone: dk to med gn, brxx frags <8cm, ang to subang, rotated, x-cut by qtz-chalcedony-cal vns, <1cm, <1% total rx volume; where volcanic texture in frags was observed, is amygdaloidal.	66.37-68.88: mod cal>chl> qtz>fuchsite>ser 68.88-69.68: mod chl>cal> qtz 69.68-71.28: mod cal>hem> chl 71.28-72.15: mod-chl	66.37-67.37: 5-15% py, diss and parallel to loc shears at 40° to CA, x-cut by qtz-chalcedony vnlts <0.8cm, <2% total rx volume 67.37-69.68: 2-5% patchy diss cg (1mm) py 68.62: clay fault gouge 4mm 69.68-71.28: 1-3% cg (1mm) to vfg diss py, strng assoc w/ hem, possible sphalerite vfg diss	2122	66.37	67.37	1.0	23	.1	13	163	221
				2123	67.37	68.88	1.51	16	.1	28	62	181
				2124	68.88	69.68	0.8	11	.1	14	126	960
				2125	69.68	71.28	1.6	7	.3	8	497	655
				2126	71.28	72.15	0.87	3	.1	4	200	278

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 6, 1986 DR10-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
			11.28-72.15: 1-10% (patchy, overall is 3%) cg py									
72.15-83.46	Amygdaloidal Bas w/ pillows(?) up to 0.5mm; md to dk gn, nonmagntc; amygdules 0.2-1.5mm, vary from 30-60% total rx volume, subrnd to rnd, elongate at pillow boundaries, locally rimmed q/ 0.5mm white ser(?) locally alt'd/filled w/ chl; 60% pillow(?) 40% vfg med gn; x-cut by cal vns, <0.4cm, <2% total rx volume 78.51-78.86: flow top(?) brxx 78.86-79.04: CORE IN WRONG POSITION 80.47-81.08: brxx 81.88-83.46: preserved volc texture, amyg.	74.48-80.45: mod to wk ser-qtz-chl 80.45-83.56: mod to strng chl>cal (in vns)	73.03-74.53: 1% diss py vfg 74.53-76.03: patchy diss py assoc w/ pillow boundary (<1% total) 76.03-76.82: 8-10% py, 0.5-1.0% chpy +/- sl, gl; coarsely diss (<2mm) patchy in vns, highest conc assoc w/ brxx and cal (gl, sl vfg?). 76.82-78.51: 5-8% py, 0.5% chpy, coarse diss and vns (<5mm), patchy. 78.51-79.21: 10% cg diss py, 0.5% chpy, gl, sl(?) 79.21-80.47: 4-6% cg diss py 0.5% chpy, vfg gl/sl(?) 80.47-81.08: 20% cg py, patchy 81.08-82.08: 10% py in bands, 1% assoc chpy (bands 60° to CA 2-5cm thick w/ vfg sl/gl(?), discontinous, brxx, x-cut by cal vns at 15° to CA 82.08-83.46: banded py-chpy at 60° to CA, 1-5mm bands over 10% of section, 8% py, 2% chpy	2127 2128 2129 2129 2130 2130 2131 2131 2132 2132 2133 2134 2134 2135 2135	73.03 74.53 76.03 76.03 76.82 76.82 78.51 78.51 79.21 79.21 80.47 81.08 81.08 82.08 82.08	74.53 76.03 76.82 76.82 78.51 78.51 79.21 79.21 80.47 80.47 81.08 82.08 82.08 83.46 84.46	1.5 1.5 0.79 0.79 1.69 1.69 0.7 0.7 1.26 1.26 0.61 1.00 1.00 1.38 1.38	22 3 27 - 7 - 11 - 1 - 15 2 - 16 -	.1 .2 1.4 - .2 - .6 - .2 - .1 .1 - .2 -	14 7 11 - 6 - 8 - 5 - 13 12 - 26 -	163 230 3655 0.38% 353 0.04% 1104 0.11% 378 0.04% 116 406 0.04% 743 0.08%	141 272 255 - 227 - 127 - 83 - 301 307 - 305 -
83.46-93.46	Fg Bas (Dac?): dk gn msv, nonmgntc, aphanitic to vfg, locally banded at 55° to CA, locally subang (euh to subh) xtls/lithics ghosts <1mm	wk chl 84.98-86.12: strng chl	83.46-84.46: 6% diss py in vns x-cut by cal vns 84.46-84.98: 4% diss py and 2cm	2136 2137 2137 2138 2138	83.46 84.46 84.46 84.98 84.98	84.46 84.98 84.98 86.12 86.12	1.00 1.52 1.52 1.14 1.14	8 12 - 9 -	.1 .5 - .1 -	11 8 - 16 -	500 1093 0.17% 713 0.07%	118 96 - 242 -

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	84.98-86.12: brxx, sheared 85.89: flow top brxx, subrnd heterolithic(?) frags 87.01-87.43: brxx, healed fault, sharp ang cts at 45° to CA, cal-rich 92.81-93.46: brxx; flow top(?) section x-cut by cal vns <5cm, <3% total volume, decreases to <1% below 87.43; <0.1% qtz-chalcedony vnlts (<2mm).		thick py (80%) chpy (20%) vn selvage(?) to "botryoidal" cal vn (15° to CA), sheared/banded sulphides: chpy conc (3-5mm) blebs w/ vnlts in cal 84.98-86.12: 12% py, 2% chpy conc in nose of fold(?) and parallel to shear planes at 35° to CA 86.12-87.48: 8% py, 0.5% chpy(?) (up to 25% sulphides in brxx), diss and in vnlts, x-cutting cal vns (sl, gl?) 87.48-93.46: 4% fg diss py in elongate (3cm) conc, patchy, loc vnlts	2139 2140 2141 2142 2143 2144 2145	86.12 87.48 88.48 89.48 90.48 91.48 92.48	87.48 88.48 89.48 90.48 91.48 92.48 93.46	1.36 1.0 1.0 1.0 1.0 1.0 0.89	11 3 5 4 3 1 3	.4 .1 .1 .1 .1 .3 .3	13 4 6 6 9 2 3	733 58 127 126 170 76 323	152 101 100 112 103 103 103
93.46-101.47	Amyg 'pillow' Bas: brxx ct dk gn, locally banded 30-60% (variable) pillows <60mm, nonmagntc pillows host 60% rounded amyg (<1mm) filled w/ chl, pale gn pillows have strng carb alt 93.67-94.57: fg tuff bedded at 60° to CA(?) 100.03-100.75: fg tuff w/ 1cm wide flow brxx at 55° to CA. Section x-cut by cut vns, <2cm, <1% total rx volume.	93.46-98.95: mod to strng chl, wk carb (only in pillows)	94.37-96.37: 4-8% cg (1mm) py conc in elongate wisps parallel to wk foliation/bed 50° to CA. 95.22-95.37: chpy (70%), py (20%) gl/sl? in cal-rich layer (bedded ? - vn ?) w/ loc shears, 3cm thick: sl/gl(?) tot py=15%, total chpy-5% 100.29-101.74: tr to 1% fg diss py	2146 2146 2147 2147 2148	94.37 94.37 95.37 95.37 100.29	95.37 95.37 96.37 96.37 101.26	1.0 1.0 1.0 1.0 0.97	1 - 4 - 1	.9 - .9 - .3	2 - 3 - 5	1025 0.17% 1029 0.11% 101	196 - 167 - 100

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 6, 1986 DR10-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
101.74-112.00	Sheared LT (pillow Bas?) heterolithic, dk gn, nonmagntc; frags are amygdaloidal, subrnd, elongate, 60-2mm (avg 8mm), varicoloured pale to dk gn, pale gn are cal-rich, sheared at 80° to CA 106.67-107.12: vfg dyke/flow, sharp ct (chill margin) at 75° to CA.	mod to strn pervasive cal, mod to wk chl	tr diss py 110.61-112.00: 20% cg diss py conc w/ chl-rich L(?) brxx frags	2149	110.61 112.00	1.39	2	.4	11	77	250
112.00-128.15	Bleached fg Bas (Dac?) flow(?): med gn, flow brxx at ct; 'crackle brxx' throughout section, bedded? 3% 0.5mm chl-rich pseudomorphs of xtls/ replacements of shards/lithics/ amygdules? lg pillows?? possible pillow selvages/shear planes; x-cut by cal vns <5mm, <5% total rx volume 114.98-117.56: felsic dyke med gy gn, cts at 90° to CA; 25% 2-3mm pseudomorphs of subh plag alt'd to chl-ser; 20% 0.5mm 'acicular' pseudomorphs after hb(?) 122.33-123.13: cg flow? flow top brxx, 1-3mm subrnd frags w/ 0.5mm alt rims, pervasive cal alt w/ tr diss py Total section has poorly preserved volc textures 126.13: flt gouge 0.5cm 126.13-128.15: flow top brxx(?)	chl>ser>qtz? 112.00-114.98: chl-rich	112.00-114.98: 8% mg diss py conc in chl-rich sheared 'pillow/ fragment'? boundaries 117.56-122.03: 3-4% cg diss py; vns at 118.06 (2mm, 40% chpy?, 60% py, chl gangue) and 121.03 (18mm py-chl) 123.13-125.02: 3% cg py diss, 1-2% chpy as vnlts and diss 125.02-128.15: blocky, brxx, 1-2% py	2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163	112.00 113.00 113.00 114.00 114.00 114.98 117.56 118.56 118.56 119.56 119.56 120.56 120.56 121.56 121.56 122.03 122.33 123.13 123.13 124.13 124.13 125.13 125.13 126.13 126.13 127.13 127.13 128.15	1.0 1.0 0.98 1.0 1.0 1.0 1.0 0.47 0.80 1.0 1.0 1.0 1.0 1.02	20 26 12 13 8 3 7 13 1 32 17 3 1 59	.8 1.1 1.0 1.1 .5 .3 .1 .3 .3 .6 .4 .4 .4 .5	37 30 19 18 11 3 7 10 2 15 15 17 6 52	157 212 181 87 102 26 20 52 111 342 99 197 92 139	112 103 129 66 55 43 63 171 351 67 165 163 76 118

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 6, 1986 DR10-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
128.15-137.41	Heterolithic brxx/agglomerate: dk gn nonmagntc; subang to ang frags, <60mm; locally well defined boundaries										
	128.15-130.15: 60% lg epidote alt'd 'pillows?' 15% dk blk gn chl-rich frags, pillow frags(?); 10% ang dacite(?) bleached, silicified frags; fragment supported ep-rich matrix; x-cut by qtz-cal discontinous vns, 1-5mm, <0.5% total rx volume	128.15-130.15: mod to strng ep, mod chl, patchy replacement of frags	130.05-131.05: 15-20% vfg diss py, loc msv 'bands' (7cm at 131.05) w/ 5% diss chpy and chpy vnlts x-cutting msv py	2164	130.05 131.05	1.0	2	.7	7	3222	193
				2164	130.05 131.05	1.0	-	-	-	0.35%	-
				2165	131.05 132.05	1.0	1	.6	13	3626	2231
				2166	132.05 133.05	1.0	1	.2	10	364	4127
			131.05-133.05: 2% cg (1mm) diss chpy conc in dk blk gn chl-rich 'frags', 3% diss py	2167	133.05 134.05	1.0	9	.6	9	1610	23995
				2167	133.05 134.05	1.0	-	-	-	0.17%	-
	130.15-135.80: 80% ep-alt'd pillows, 20% dk blk gn chl-rich (5% pale pink alt mineral)	130.134.77: mod to str chl (dk gn blk), mod ep	133.05-134.05: 15% cg py, 8% cg chpy in diffuse 3cm bands, as matrix between ep-rich frags, sph?								
	135.80-137.41: matrix supported amyg bas brx, 10-15% frags, subrnd, <3cm; 20% rnd qtz-filled(?) 1-2mm amygs locally rimmed w/ 0.1mm white alt, locally replaced by ep chl.	134.77-137.41: mod ep-chl									
137.41-138.11	Bas T: fg dk gn nonmagntc; upper ct is flow brxx w/ ep-rich frags (<4cm), lower ct is sheared, both sharp; crackle brxx(?).	wk chl-ep	3% vfg py diss and vnlts (<1mm) tr. chpy								
138.11-142.98	Sheared amygdaloidal pillow Bas: sheared at 75° to CA; dk gn, 80%(?) pillow <12cm, avg 6cm; 80% 1-2mm round amygdules filled w/ cal, ep; 15% elongate cal blebs (<0.8cm), and ep/chl stringers	strng cal>ep>chl	tr diss py								
	141.34-142.98: wkly sheared, brxx.	141.34-142.98: strng ep									

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 8, 1986 DR10-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
142.98-155.23	Bas I: fg dk gn blk aphanitic, 'crackle brxx'(?) locally banded at 45° to CA.	142.98-143.24: wk chl, ep 'knots' <15cm, <8% total rx volume, loc Fe carb vns (ankerite?)	142.98-154.00: 3% fg py in vnlts and diss, 0.5-1% chpy in 0.5mm vnlts assoc w/ ep; tr po assoc w/ chpy	2169	142.98 143.98	1.0	4	.3	5	94	810
				2170	143.98 145.00	1.02	1	.3	9	143	179
	145.00-149.24: (same as 144.98) felsic dyke has 20% euh to subh plag (2-4mm) wkly alt'd to cal-ep, stubby; 15% hb laths (0.5-2.0mm) alt'd to chl, dk gy gn matrix		149.24-153.24: 2-4% fg py in blebs, diss and discontinuous vns; 0.5% chpy assoc w/ py	2171	149.24 150.24	1.0	1	.6	5	111	125
				2172	150.24 151.24	1.0	1	.4	2	318	111
				2173	151.24 152.24	1.0	1	.4	5	98	96
				2174	152.24 153.24	1.0	1	.4	2	122	141
	149.24-153.24: purple/gn-blk vfg w/ 20% lg pillow frags <60mm, >30mm; matrix supported										
	153.24-155.23: felsic dyke, same texture and primary mineral comp. as above, but strong carb alt.	153.24-155.23: strng cal	153.24-155.24: 2% py, mg diss and as vnlts								
155.23-167.61	Pillow Bas: dk gn, loc brxx; 40% lg pillows and pillow frags <18cm, 20% med pillows and frags <5cm, remainder is brxx matrix and sm pillow frags; x-cut by cal vns, <1cm, <1% total rx volume.	mod dk gn-blk chl>ep	tr py assoc w/ cal and blk chl								
167.61-170.89	Fg Bas (Dac?) med gn, (slicified?) crackle brxx, msv; x-cut by qtz>>cal vns, <3cm (avg 2mm) <2% total rx volume.	<1% leucoxene	tr vfg diss py								
170.89-172.63	Pillow Bas (LT?) dk gn, loc brxx, frags supported, 40%(?) lg pillow and pillow frags <15cm, 20% med pillow and pillow frags; x-cut by cal vns, and hosting cal sheared stringers (<1% total rx volume).	strng ep, blk chl	tr py assoc w/ blk chl								

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
172.63-175.32	Fg Bas (Dac ?) med gn (silicified ?) brxx, loc shearing at 60° to CA poor preservation of volc texture x-cut by qtz ± cal vns, <2cm, <3% total vx volume.		1% py/chpy (?) assoc w/ blk								
175.32-178.92 EOH	Sheared Bas LT (?): dk gn, sheared 60° to CA 60% (?) chl-ep alt'd lithics <8mm, avg 6mm, subang to blebby; 30% (?) anh plag and hb pseudomorphs (??); x-cut by qtz vns (< 12cm, avg 2mm) and cal vns (<3mm), <0.5% total rx volume.	wk chl ep cal	tr py (chpy ?) assoc w/ blk chl								

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 4, 1986 DR10-86

Core Boxes

Core Recovery

Box No.	Interval (m) From	To	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %
1	2.44	9.52	2.44	5.19	2.75	2.50	93	78.03	81.08	3.05	3.10	102	157.58	160.63	3.05	2.93	96
2	9.52	15.61	5.19	8.22	3.03	3.10	102	81.08	84.28	3.20	3.05	95	160.63	163.68	3.05	3.03	100
3	15.61	22.76	8.22	9.75	1.53	1.30	85	84.28	87.48	3.20	3.05	95	163.68	166.73	3.05	3.08	100
4	22.76	30.04	9.75	11.28	1.53	2.00	131	87.48	90.53	3.05	3.05	100	166.73	169.77	3.04	3.00	99
5	30.04	37.31	11.28	14.33	3.05	3.00	98	90.53	93.57	3.04	3.05	100	169.77	172.82	3.05	3.00	98
6	37.31	44.20	14.33	17.37	3.04	3.00	98	93.57	96.62	3.05	3.10	102	177.82	175.87	3.05	2.95	97
7	44.20	50.84	17.37	20.42	3.05	3.10	102	96.62	99.67	3.05	3.10	102	175.87	178.92	3.05	3.05	100
8	50.84	58.03	20.42	23.42	3.00	3.05	102	99.67	102.72	3.05	3.10	102					
9	58.03	64.78	23.42	26.52	3.10	3.05	98	102.72	105.77	3.05	3.08	101			176.48	176.02	100
10	64.78	71.98	26.52	29.57	3.05	3.00	98	105.77	108.81	3.04	3.05	100					
11	71.93	79.21	29.57	32.00	2.43	2.20	90	108.81	111.86	3.05	3.05	100					
12	79.21	86.31	32.00	34.75	2.75	2.70	98	111.86	114.91	3.05	3.00	98					
13	86.31	93.52	34.75	37.95	3.20	3.11	97	114.91	117.96	3.05	3.08	101					
14	93.52	100.60	37.95	41.15	3.20	3.16	101	117.96	121.01	3.05	2.85	93					
15	100.60	107.57	41.15	44.20	3.05	3.10	102	121.01	124.05	3.04	2.96	97					
16	107.57	114.89	44.20	47.24	3.04	3.10	102	124.05	127.10	3.05	2.98	98					
17	114.89	122.03	47.24	50.29	3.05	3.23	106	127.10	130.15	3.05	3.07	101					
18	122.03	129.06	50.29	53.34	3.05	2.95	97	130.15	133.20	3.05	2.78	91					
19	129.06	136.40	53.34	56.39	3.05	2.88	94	133.20	136.25	3.05	2.94	96					
20	136.40	143.64	56.39	59.44	3.05	3.15	103	136.25	139.29	3.04	3.07	100					
21	143.64	150.92	59.44	62.48	3.04	3.10	102	139.29	142.34	3.05	3.10	102					
22	150.92	157.82	62.48	65.53	3.05	3.10	102	142.34	145.39	3.05	3.05	100					
23	157.82	164.99	65.53	68.73	3.20	3.05	95	145.39	148.44	3.05	3.00	98					
24	164.99	172.17	68.72	71.93	3.20	3.10	97	148.44	151.49	3.05	3.15	103					
25	172.17	178.92	71.93	74.98	3.05	3.10	102	151.49	154.53	3.04	2.99	98					
		EOH	74.98	78.03	3.05	3.00	98	154.53	157.58	3.05	2.95	97					

Virginia Price

DR14-86

Co: WESTMIN RESOURCES LTD.
Project: DEBBIE
Length (m) : 151.49
Dip : -75°
Azimuth : 270°
Collar elev (m) : 934
Core size : BQ

Map Grid N : 6,299
E : 10,499
Field Grid : Regina
N : 8 + 45 S
E : 2 + 45 W

Date Drilled : Dec. 6-9, 1986
Contractor : Sylvestre
Logged by : G. Price
Date Logged : Dec. 11-15, 1986

Survey Type	Depth	Dip	Azi
Pajari	149.96	-74°	268°
Pajari	4.89	-75°	284°

Objective/Comments: Locate cts between kerotopyre-basalt-fault contact

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
0-1.83	Overburden											
1.83-33.65	Dacite (keratophyre-low K rhyolite?) mixed brx monolithic agglomerate; dk to med gn, local good preservation of volc texture; 10-30% A (<90mm), 40-80% L (4-32mm), groundmass alt'd; diffuse fragment boundaries, locally ang where brxx. 18.47-19.50 obvious flow top brxx locally heterolithic 21.51-22.04 obvious flow top brxx locally heterolithic 27.58-27.91: 'hyaloclastite' flow, ct at 85° to CA, dk gn, strng chl alt, w/ 1-2% spotty leucoxene; elongate stretched 1-3mm frags, ang 29.00-29.07/29.31-29.43/26.67-29.70: 'hyaloclastite' 29.70-30.07: fg flow, strng leucoxene alt, flow 'trachytic' texture at 80° to CA 31.21-31.34: 'hyaloclastite' 70° to CA 31.34-33.65: mixed hyaloclastite and flow top brxx	<1% spotty leucoxene throughout, wk chl-ser 32.40-33.65: mod to wk chl-ep	1.83-5.68: broken ground tr diss py throughout	GP-86-R5 GP-86-R5	14.96 15.75 15.23		0.79	Whole rock thin section				

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 11, 1986 DR14-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	Total section x-cut by cal vns <2cm, avg 2mm, <1% total rx volume, locally hem-rich.											
33.65-51.82	Bas (Amyg Pillow Brxx?): ct defined by disappearance of leucoxene, darker rx colour, 1st appearance of amygdules, increase in chl-ep: dk gn; 30-60% pillow/pillow frags, subrnd, locally elongate at 60-90° to CA, <12cm diam w/ sharp well defined boundaries, locally paler gn (no cal alt), amygdaloidal, 25% chl-filled stretched 1-2mm amygs, 15-20% 2-3mm pale pink cal-filled subrnd amygs; interstitial to pillows are flow-top brxx w/ subang to ang pillow frags 33.65-34.75: flow top brxx 34.75-35.38: fg dk gn Bas dyke/flow w/ sharp cts 35.38-35.68: qtz-cal vn 35.68-36.30: brxx w/ cal frags (qtz ker ??) 36.30-36.40: rusty carb brxx 36.40-51.82: Amyg Pillow Bas Total section x-cut by cal vns <10cm, avg 4mm, <1% total rx volume.			GP-86-R6 GP-86-R6	47.85 48.61	50.90	3.05	Whole rock thin section				
51.82-60.94	Fault zone, oxidized: Amyg Bas(?) 51.82-53.22: rust stained, strng carb alt, sheared brxx at 55° to CA 53.22-56.39: strng shearing, v wk carb alt, 30% qtz vns and sheared stringers	varies w/ strct	tr vfg diss py on flt planes (up to 2% locally)	2175 2176 2177 2178 2179	51.92 53.22 54.72 56.39 57.39	53.22 54.72 56.39 57.39 58.57	1.70 1.50 1.67 1.00 1.16	3 2 21 9 1	.4 .4 .4 .1 .3	24 18 68 16 14	52 110 51 6 5	102 91 72 39 46

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 11, 1986 DR14-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	(0.2-0.5cm wide); 2-5% fault gouge, pale gn clay (dickite/sericite/ fuchsite?) local preservation at sheared amyg pillow frags 56.39-58.57: bleached, qtz-ser? alt. fg, med to lt gy gn w/ 15% shredded subang chl replacements of shards? hb? 0.5-1.5mm, Fe-oxide on frcts 58.57-59.44: 40% 'clay' fault gouge, 60% pale gy gn sheared 'Bas?' 59.44-60.94: fault brxx, sporadic strng carb alt assoc w/ geothite/ jarrostie(?), 40% Fe-oxide stained, remainder silicified.		59.44-60.94: 2-3% vfg diss py	2180	58.57	59.44	0.87	20	.5	24	3	43
				2181	59.44	60.94	1.60	12	.3	25	8	75
60.94-69.84	Dacite (keratophyre - low K rhyolite?) tuff brxx(?) poorly preserved volc textures; med to bleached gn, fg monolithic frags w/ <5% stubby euh-subh fsp pseudomorphs (0.5mm) alt'd to cal; loc preserved bands of ang xtl frags (ash tuff-hyaloclastite?) flow at 60° to CA, frags <0.5mm; x-cut by qtz-cal vns, <5mm, <4% total rx volume.	wk to mod qtz-ser(?) 62.84-65.84: patchy hem-cal <1% total rx volume	62.34-69.84: 1-3% vfg diss py, py vnlts (tr aspy?) in highest conc assoc w/ hem	2182	62.34	63.84	1.50	17	.5	46	30	93
				2183	63.84	65.34	1.50	8	.3	21	33	93
				2184	65.34	66.84	1.50	2	.3	22	55	71
				2185	66.84	68.34	1.50	1	.3	9	46	89
				2186	68.34	69.84	1.50	60	.4	191	53	86
69.84-81.73	Basalt (Andesite?) vfg amygd flow, msv, dk gy gn <1% amygs, 1-8mm, rounded, filled w/ cal, otherwise grainy 'tuffaceous' texture? x-cut by cal vns <5mm, <0.5% total rx volume: brxx cts; flow-linear amygs at 75° to CA.	wk chl	tr - 2% vfg diss py.	GP-86-R7	71.65	73.00	1.35	Whole rock				
				GP-86-R7	71.80			thin section				
				2187	76.44	77.94	1.50	275	.3	173	78	98
				2188	77.94	78.94	1.00	14	.2	14	14	95
				2189	78.94	79.96	1.02	131	.3	185	12	94

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 11, 1986 DR14-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
81.73-102.43	Bas Amyg Pillow: flow top brxx at ct, darker gn at pillow cts (blk chl over 2-10cm) <35cm, avg 20-30cm diam, tops unknown, 03-60% amyg (1-3mm) filled w/ cal, pillow cts not obvious below 88.78m	84.88-87.04: 20% blk gn chl 'clots' (<20cm), 80% bleached qtz-cal +/- fuchsite-chl-ser	84.83-86.33: 3-5% diss vfg py and in vns in blk chl/qtz 'knots' rimming qtz-cal conc 1-2mm thick, folded; tr aspy in bleached brxx assoc w/ qtz-fuchsite(?), 5-10% py in brxx	GP-86-R8	81.73	84.83	3.10	Whole rock				
				2190	84.83	86.33	1.50	1260	0.9	3534	32	59
				2191	86.33	87.83	1.50	32	0.2	113	70	90
				2192	87.83	89.33	1.50	50	0.6	155	96	79
				2193	89.33	90.62	1.29	680	2.0	1822	109	71
	85.30-87.04: tectonic brxx sheared at 20° to CA	90.62-91.25: bleached, qtz>ser>cal		2194	90.62	91.62	1.0	645	1.3	1968	130	85
			88.55-88.88: 10% py in vns at 0° to CA in blk chl, bounins, <3mm	2195	91.62	92.62	1.0	790	1.7	1723	124	64
	94.62-96.62: flow top/loc tectonic brxx			2196	92.62	93.62	1.0	1410	0.6	318	77	75
			89.33-93.57: 5-8% mg (<1mm) py diss and in cal-chalcedony(?)	2197	93.62	94.62	1.0	81	0.1	128	10	84
				2198	94.62	95.62	1.0	41	0.1	43	14	101
	98.20-98.87: fg flow/dyke(?), amygd(?)		vns (<2mm) at 90° and 0° to CA	2199	95.62	96.62	1.0	175	0.4	88	104	107
	Total section x-cut by cal vns <0.8cm, <8% total rx volume.		94.62-96.62: 1-5% py c-fg in <2mm vns and diss assoc w/ hem + cal									
102.43-109.00	Bas: sheared pillow brxx(?) sharp structural ct at 65° to CA, shearing from 65-90° to CA wk to mod shearing; amygs up to 3mm, cal filled; x-cut by cal vns/stringers <20% total rx volume, <8mm wide; dk gn.	mod to strng cal-blk chl pervasive alt, 5-10% pale pink Fe-stained cal										
			102.43-102.83: fault zone w/ 5% gouge <2mm thick									
109.00-119.31	Bas: amyg pillow brxx(?) dk gn, same as 81.73-102.43, avg pillow size 20cm; amygdules <3mm, cal-filled, rounded, locally sheared; x-cut by cal vns <4mm. <5% total rx volume.	mod pervasive cal alt w/ blk chl at pillow cts	tr patchy vfg diss py									
119.31-121.54	Felsic dyke: gy gn sharp cts, 20-25% subh to anh pseudos of plag alt'd to cal>ser>ep, xtls <6mm.	mod pervasive cal										

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 15, 1986 DR14-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
121.54-145.76	Bas: mixed amyg pillow brxx and fg flows; dk gn, where pillowed, frags <20cm, subrnd(?) w/ chl-filled elongate amygs 121.54-129.34: amyg pillow brxx 129.34-135.06: fg flow w/ local banding/bedding(?) at 58° to CA 135.06-135.76: pillow brxx 135.76-136.69: fg flow 136.69-140.05: pillow brxx 140.05-143.44: fg flow 143.44-145.76: pillow brxx/ overprint by tectonic brxx(?) Total section x-cut by cal vns <4cm, <3% total rx volume.	wk to mod patchy cal-chl alt	126.80-127.20: fault zone (tectonic?) 127.70-127.90: flow top brxx 128.15-128.50: heterolithic? bleached frags in tectonic(?) brxx 128.95-129.34: sheared pillow bas 126.80-129.34: 1-3% vfg py in bands parallel to local fault-related schistosity 128.34-130.34: overall <1% diss py, at ct have bands of vfg py (<0.5cm, <25% py) at 40° to CA	2200 2251 2152 GP-86-R9 GP-86-R9	126.80 128.15 128.15 129.34 129.34 130.34 133.20 136.25 134.72	1.35 1.19 1.00 3.05	3 4 2 Whole rock thin section	0.1 0.2 0.1	17 12 12	27 32 153	85 80 156
145.76-151.49 EOH	Dacite(?) bleached dk to med gy gn, volc texture obscure, 10-15% subang, <0.5mm chl-filled pseudomorphs after? (hb), local brxx, x-cut by cal vns 1cm, <2% total rx volume.	mod ser>chl>qtz pervasive	tr to 2% vfg diss. py .	GP-86-R10 GP-86-R10	145.76 151.49 148.24	5.73	Whole rock thin section				

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 11, 1986 DR14-86

Core Boxes

Core Recovery

Box No.	Interval (m) From	To	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %
1	1.83	9.05	1.83	2.35	1.52	0.75	49	78.33	81.38	3.05	3.10	102					
2	9.05	16.01	3.35	5.18	1.83	1.70	93	81.38	84.43	3.05	3.00	98					
3	16.01	23.17	5.18	8.23	3.05	3.04	100	84.43	87.48	5.05	3.10	102					
4	23.17	30.37	8.23	11.28	3.05	3.03	100	87.48	90.53	3.05	3.10	102					
5	30.37	37.65	11.28	14.33	3.05	3.00	98	90.53	93.57	3.04	3.07	101					
6	37.65	44.68	14.33	17.37	3.04	2.95	97	93.57	96.62	3.05	3.05	100					
7	44.68	51.92	17.37	20.42	3.05	3.08	101	96.62	99.67	3.05	3.10	102					
8	51.92	58.69	20.42	23.47	3.05	3.05	100	99.67	102.72	3.05	2.96	97					
9	58.69	66.08	23.47	26.52	3.05	2.96	97	102.72	105.77	3.05	3.12	105					
10	66.08	73.01	26.52	29.57	3.05	3.03	100	105.77	108.81	4.04	3.10	102					
11	73.01	80.14	29.57	32.61	3.04	3.03	100	108.81	111.86	3.05	3.10	102					
12	80.14	87.04	32.61	35.66	3.05	3.04	100	111.86	114.91	3.05	3.06	100					
13	87.04	94.02	35.66	38.71	3.05	3.04	100	114.91	117.96	3.05	3.03	100					
14	94.02	101.88	38.71	41.76	3.05	3.10	102	117.96	121.01	3.05	3.10	102					
15	101.88	108.06	41.76	44.81	3.05	3.05	100	121.01	124.05	3.04	3.20	105					
16	108.06	115.14	44.81	47.85	3.04	3.00	99	124.05	127.10	3.05	3.00	98					
17	115.14	122.11	47.85	50.90	3.05	3.02	99	127.10	130.15	3.05	2.90	95					
18	122.11	128.80	50.90	53.95	3.05	3.15	103	130.20	133.20	3.05	3.05	100					
19	128.80	135.76	53.95	56.39	3.04	1.75	58	133.20	136.25	3.05	3.03	100					
20	135.76	142.81	56.39	59.44	3.05	2.50	82	136.25	139.29	3.04	3.05	100					
21	142.81	150.02	59.44	62.64	3.20	2.80	87	139.29	142.34	3.05	3.05	100					
22	150.02	151.49	62.64	65.84	3.20	3.20	100	142.34	145.39	3.05	3.10	102					
		EOH	65.84	69.04	4.80	2.95	61	145.39	148.44	3.05	3.08	101					
			69.04	72.09	3.05	3.10	102	148.44	151.49	3.05	3.08	101					
			72.09	75.27	3.18	3.00	94		149.60		146.84	98					
			75.27	78.33	3.06	3.00	98										

Brazeau Pair

DR16-86

Co: WESTMIN RESOURCES LTD.
Project: DEBBIE
Length (m) : 144.78
Dip : -55°
Azimuth : 270°
Collar elev (m) : 933
Core size : BQ

Map Grid N : 6,358
E : 10,506
Field Grid : Regina
N : 7 + 90 S
E : 2 + 00 W

Date Drilled : Dec. 9-12, 1986
Contractor : Sylvestre
Logged by : G. Price
Date Logged : Dec 16-18, 1986

Survey Type	Depth	Dip	Azi
Pajari	5.49	-57°	277.5°
Acid	81.68	-62°	-
Pajari	143.26	-57°	-

Objective/Comments: Test continuation of sulphides observed in DR10-86 and DR14-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
0-1.21	Casing left in hole.										
1.21-5.38	Bas flow: dk gn, magntc, 20-30% hb euh phenos, 1-6mm, wkly trachytic 40-60° to CA, elongate hb alt'd to chl; fsp-rich matrix, euh, <0.5mm, 60%(?) fsp; x-cut by cal vns, <0.5% total rx volume, <2mm.	wk to mod ep chl	broken ground								
5.38-31.61	Bas Dac(?): flow brxx at ct, dk gn, volcanic texture of matrix obscure, v hard, vfg 'blotchy', glassy(?); 15-20% heterolithic fragments, subang to subrnd, <5cm, avg 0.8mm, locally pale gn w/ amyg texture locally elongate at 35° to CA, local glassy rind to blk chl rich frags, local bleached textureless subrnd frags 18.02-18.17: qtz vn w/ alt envelope Total section x-cut by cal vns, 2-5mm, <1% total rx volume, x-cut by qtz vns, 2-3mm, <0.5% total rx volume.	tr to 1% leucoxene wk chl	tr vfg diss. py.	GP-86-R11 GP-86-R11	15.15 17.07	27.37	1.22	whole rock thin section				
31.61-50.45	Bas pillow brxx/hyaloclastite: dk gn, well preserved volcanic textures, matrix is fg glassy amygdaloidal w/	wk chl, loc strng pervasive cal									

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 16, 1986 DR16-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	fining down hole, amygs 1-5mm round, filled w/ fe-stained cal, rimmed w/ blk chl; locally <3cm frags w/ 2mm quench rims, (rip-up 'clasts'?) 32.86-32.98: quench-thermal brxx, strng blk chl alt, feathery frags rims, hyaloclastite 36.06-39.88: flow brxx increasing brxx down hole, thermal brxx in section; heterolithic(?), hyaloclastic frags w/ worn texture, amygdaloidal frags (subrnd), shard-rich frags - same composition, variable texture(?); increasing angularity w/ depth, local Fe-oxide staining at base of brxx, locally sulphidic 39.88-40.75: anyg bas 40.75-42.00: flow brxx 42.74-42.87: thermal brxx 43.07-43.15: flow/tectonic brxx 43.15-46.39: pillow frags, <20cm 46.39-50.45: mixed flow/tectonic brxx, w/ 10-15% qtz healing brxx and as vns.	42.28-42.74: qtz>ser alt	43.35-43.55: tr chpy as ,0.5mm blebs assoc w/ cal vn 46.39-46.85: fault zone, gouge over 1cm; 65° to CA 46.39-49.65: tr py	2253	43.15	44.15	1.00	15/29	0.3/0.3	28/5	43/286	79/93
			49.65-50.54: 5% cg (1mm) euh py diss	2254	49.65	50.54	0.89	875	1.3	5161	143	103
50.45-56.06	Alt'd Dac(?): med gn, obscure volc texture, sharp upper ct (qtz-sulph vn), lower ct is flow brxx, thus maybe lg pillow?; 5-15% chl-filled rnd to subrnd 'amygs'(?) <5mm; vfg 'glassy'	50.45-51.12: strng silicification	50.45-51.12: 2-4% cg diss py (1mm) tr aspy (0.5mm) needles at qtz vn selvage 50.90: fault-clay gouge, 2mm at 000° to CA??	2255	50.54	51.12	0.68	615	0.8	3453	95	60
				2256	51.12	52.12	1.00	66	0.4	111	6	33
				2257	52.12	53.12	1.00	19	0.1	51	3	38

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 16, 1986 DR16-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	matrix w/ local flow at 55° to CA; 20% <0.5mm chl-ser 'shards, xtls, amygs'? x-cut by cal vns <2mm, <0.5%, x-cut by hairline-1mm qtz vns, <0.5% total rx volume.		51.12-53.12: tr py	GP-86-R12 GP-86-R12	53.95 55.15	55.75	1.60	Whole rock thin section				
56.06-77.41	Bas: mixed pillow bas, pillow brxx, amygd flows and fg flows; dk gn, ct defined by decrease in bleaching over 10cm; pillow/pillow frags <10cm, amygdaloidal w/ 0.8-3.0mm chl-filled rnd amygs (20-40%), local glassy quenched rims and chl-rich hyaloclastite; local elongation at 90° to CA 56.80-57.00: flow brxx 57.40-57.92: tectonic brxx w/ Fe-oxide stained cal 60.05-65.14: loss of well defined pillow rims, msv amyg bas flow(?)	wk chl-cal pervasive										
	65.14-67.07: heterolithic brxx-thermal brxx, overprinted by tectonic brxx(?); 40% dk gn chl-rich amyg frags <6cm, 20% pale gn frags, local quenched rims and hyaloclastic banding 67.04-77.41: well preserved pillows w/ quenched rims	65.14-66.56: 15-18% qtz-cal healing brxx, local Fe-oxide stain	tr py assoc w/ blk chl pillow rims	2258 2259 2260 2261 2262 2263	69.19 70.19 71.19 72.19 73.19 74.19	70.19 71.19 72.19 73.19 74.19 75.19	1.00 1.00 1.00 1.00 1.00 1.00	273 65 24 122 720 845	0.3 0.3 0.3 0.6 0.6 1.4	165 30 17 170 845 2527	64 157 141 97 77 165	74 75 69 83 98 128
	69.10-69.49: pillow brxx 73.71-73.94: tectonic brxx healed w/ Fe-stained cal.	69.19-69.49: strng blk chl	69.19-77.41: tr to 2% cg diss py (1-2mm cubes and blebs) 73.71-73.94: 1% py, tr aspy(?) as vfg vn									

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 16, 1986 DR16-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
77.41-105.30	Alt'd Dac(?) Bas(?): med gn to bleached, volcanic texture obscure, sharp alt ct to strng silicified rx, mottled where less bleached and strng chl alt, 30% subrnd 'qtz/fsp'(?) 1-3mm w/ diffuse rims, 20% subrnd chl 1-2mm, locally vfg to glassy	77.41-78.58: strng qtz-ser, tr leucoxene	77.41-79.88: 3-4% vfg diss py	2264	77.41	78.58	1.17	108	0.3	220	14	37
		83.65-86.62: strng qtz-ser	83.65-86.62: 3-5% vfg diss py, py vnlts and tr aspy(?) assoc w/ qtz in 'brxx'	2265	78.58	79.88	1.30	32	0.2	52	11	49
				GP-86-R13	81.38	83.65	2.27	Whole rock				
				2266	83.65	84.65	1.00	98	0.4	319	10	32
				2267	84.65	85.65	1.00	92	0.3	141	13	28
				2268	85.86	86.62	0.98	36	0.3	37	9	41
				2269	90.53	91.53	1.00	11	0.1	14	8	25
				2270	91.53	92.53	1.00	9	0.3	26	13	21
	87.60-87.80: vfg bas flow (amygd??)											
	87.80-88.53: tectonic brxx	87.80-88.53: strng cal w/ Fe-oxide stain	87.80-88.53: broken core	2271	92.53	93.53	1.00	5	0.1	16	6	20
	99.17-99.67: obvious amygd vfg flow, <2% cal-filled rnd 1-3mm amygs	88.53-94.68: strng qtz-ser, diminishing w/ depth	90.53-93.37: fault w/ 2-5mm gouge at 50° to CA									
	99.77-100.77: wk to mod shearing w/ <0.5mm clay gouge on some shear surfaces	94.68-98.18: wk chl, wk qtz, leucoxene	94.68-98.18: tr to 3%(?) diss py									
	103.92-105.30: flow top brxx heterolithic	98.18-98.69: strng qtz-ser	98.18-98.69: 2-5% vfg diss py, tr aspy??	2272	98.18	98.69	0.51	4	0.4	6	41	130
	Total section x-cut by qtz-vns, <2cm, <4% total rx volume	100.23-103.92: strng qtz-ser, wk chl	100.23-103.92: tr to 2% vfg diss py									
	qtz vn ,5cm at lower ct.	103.92-105.30: bleached, mod qtz, ser wk chl	103.92-105.30: tr vfg diss py									
105.30-118.19	Bas: mixed fg amyg flow w/ <5% flow top brxx, dk gn, vfg; 1-10% rnd chl-filled amygs, <3mm, elongate at 70-90° to CA, locally shredded, locally cal/py filled w/ <0.1mm chl rim											
	105.30-107.00: flow top brxx, heterolithic, x-cut by broken milky qtz vns (<2cm), 5% total rx volume	105.30-107.00: local qtz alt assoc w/ qtz vns	105.30-107.00: tr to 1% vfg diss py									
	107.00-107.88: vfg amyg bas, loc hyaloclastite 'bands'.											

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 16, 1986 DR16-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	107.88-109.27: thermal/flow top brxx (?) 2-5% cal-filled, chl-rimmed amygs w/ broken milky qtz vns (<1cm) at cts, 2 generations of qtz (?)	107.88-109.27: local hem stained cal (<1%)									
	109.27-115.85: msv amyg bas, x-cut by qtz vns, <3cm (avg is 5mm), <2% total rx volume, 2 generations (?)		109.27-115.85 tr to 3% fg diss py								
	115.85-116.10: tectonic brxx										
	116.10-118.19: felsic dyke, 20% 3-5mm subh plag alt'd to cal in fg matrix sharp cts 8cm frag - irregular ct(?)	116.10-118.19: strng cal pervasive									
118.19-141.73	Pillow Bas: dk gn, msv; pillows <2cm, well defined chilled cts, well defined qtz-chl-cal rnd to feathery elongate amygdules, <8mm, strng chl-ep alt at pillow margins; x-cut by cal vns, <4cm (avg 0.8cm), <3% total rx volume	mod chl, wk patchy cal									
	118.60-122.30: sheared pillows at 65° to CA (syndepositional ?)		118.19-118.60: fault zone, gouge (2mm) at 20° to CA, fault w/ overlying dyke								
	119.33-119.70: felsic dyke, same as 116.1-118.19 w/ inclusion of pillow frags dyke not sheared										
	119.70-141.73: wkly and locally sheared pillows and pillow frags, local flow brxx		119.70-141.73: tr py at pillow cts								
	136.60-137.10: heterolithic brxx, 30% cal frags, 30% chl-cal frags, 35% ep-chl -cal frags.										
	140.61-141.43: heterolithic brxx		140.61-141.43: 2-3% py assoc w/ chl-rich frags								

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 16, 1986 DR16-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
141.73-143.63	Bas: vfg msv dk gn - aphanitic/glassy x-cut by cal vns <1cm, <1% total rx volume, flow brxx at upper ct over 10cm lower ct is cal vning.		tr py as vnlts								
144.63-144.78 EOH	Pillow Bas: same as 118.19-141.73, thus overlying msv bas maybe dyke?										

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Dec. 15, 1986 DR16-86

Core Boxes

Core Recovery

Box No.	Interval (m) From	To	Interval (m) From	To	Core Lgth	Amount Present	Recovery %
1	1.21	8.79	1.21	3.35	2.14	1.3	61
2	8.79	16.15	3.35	5.18	1.83	1.55	85
3	16.15	23.37	5.18	8.23	3.05	2.60	85
4	23.37	30.36	8.23	11.28	3.05	2.80	92
5	30.36	37.67	11.28	14.33	3.05	3.05	100
6	37.67	44.81	14.33	17.37	3.04	3.05	100
7	44.81	51.85	17.37	20.42	3.05	3.05	100
8	51.85	58.90	20.42	23.47	3.05	3.04	100
9	58.90	66.20	23.47	26.52	3.05	3.07	101
10	66.20	73.31	26.52	29.57	3.05	3.10	102
11	73.31	80.42	29.57	32.61	3.04	3.00	99
12	80.42	87.60	32.61	35.66	3.05	3.05	100
13	87.60	94.68	35.66	38.71	3.05	3.01	99
14	94.68	101.23	38.71	41.76	3.05	3.05	100
15	101.25	108.45	41.76	44.81	3.05	3.00	99
16	108.45	115.55	44.81	47.85	3.04	2.95	97
17	115.55	122.30	47.85	50.90	3.05	3.10	102
18	122.30	129.31	50.90	53.95	3.05	3.10	102
19	129.31	136.45	53.95	57.0	3.05	3.06	100
20	136.45	143.63	57.0	60.05	3.05	2.90	95
21	143.63	144.78	60.05	63.09	3.04	3.06	100
		EOH	63.09	66.14	3.05	3.00	98
			66.14	69.19	3.05	3.04	100
			69.19	72.24	3.05	3.02	100
			72.24	75.29	3.05	3.03	100
			75.29	78.33	3.04	3.00	99
			78.33	81.38	3.05	3.13	103
			81.38	84.43	3.05	3.00	98
			84.43	87.48	3.05	2.87	94
			87.48	90.53	3.05	2.80	92
			90.53	93.57	3.05	3.15	103
			93.57	96.62	3.05	3.05	100
			96.62	99.67	3.05	3.15	103
			99.67	102.72	3.05	2.83	93
			102.72	105.15	2.43	2.25	93
			105.15	108.2	3.05	3.01	99
			108.2	111.25	3.05	3.05	100
			111.25	114.30	3.05	3.08	101
			114.30	116.43	2.13	2.35	110
			116.43	117.96	1.53	1.32	86
			117.96	120.01	2.05	3.05	149
			120.01	124.05	4.04	3.00	74
			124.05	127.10	3.05	3.10	102
			127.10	130.15	3.05	3.00	98
			130.15	133.20	3.05	3.00	98
			133.20	136.25	3.05	3.00	98
			136.25	139.25	3.04	3.10	102
			139.29	141.73	2.44	2.40	98
			141.73	144.78	3.05	3.15	103
				143.57	143.58		100

Interval (m) From	To	Core Lgth	Amount Present	Recovery %

Georgia Price

DR17-86

Co: WESTMIN RESOURCES LTD.
Project: DEBBIE
Length (m) : 611.7
Dip : -75°
Azimuth : 270°
Collar elev (m) : 881
Core size : BQ

Map Grid N : 6789
E : 10462
Field Grid : Regina
N : 4 + 00 S
E : 0 + 00 E

Date Drilled : Dec. 9-20/86
Contractor : Coates
Logged by : G. Price
Date Logged : Jan. 2-15/87

Survey Type	Depth	Dip	Azi
Pajari	11	-74	268
Pajari	383	-73	258
Pajari	501	-73	260
Pajari	601	-71	262

Objective/Comments: Test along strike from Regina workings determine stratigraphy in core of syncline. Hole is lined w/ PVC class 200 pipe, 1" diameter (actual 1 1/8") bottom 1040' perforated every 1", (1/4" diameter hole).

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
0.0-3.66	Casing left in hole											
3.66-43.08	'Diabase': med to dk gn, non magntc, mod to poorly perserved volc texture 30-45% plag, feathery laths, subh to anh, 0.5-2.0mm, alt'd to ep-chl, interlocking 'subophitic'; 20-35% mafics (hb?) alt'd to chl, stubby, euh to anh, loc feathery, 0.5-4.0mm (avg 1.0mm); vfg matrix alt'd to chl-ep msv w/ local coarsening down hole (?) x-cut by cal vns 1-3cm, <0.5% total rx vol, x-cut by hairline ep vns, <0.5% total rx volume. 8.00-9.20: vfg gy gn Bas dyke, ct at 60° to CA, x-cut by cal vns, <2mm, <1% total rx vol, sharp cts. 11.62-11.82: Bas dyke, cts 60-70° to CA 13.06-13.08: Bas dyke vfg w/ <2% 1-2mm euh hb xtls. 37.57-37.89: Bas dyke vfg w/ <2% 1-2mm xtls.	variable wk ep-chl-cal-leucoxene, tr loc hem in qtz veins	3.66-8.33: broken ground 16.6-17.1: broken ground 24.38-24.48: broken ground 25.76-25.86: cave in tr loc py assoc w/ hem	GP-87-R14 GP-87-R14	40.75 40.90	41.76	1.01	whole rock thin section				
43.08-50.66	Bas I: sharp ct at 60° to CA; dk med gn, vfg poorly preserved volc texture, msv (?), 10-30% mafic xtl	wk chl-ep, tr hem assoc. w/ vn brxx	tr py as 2-5mm xtls									

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	frags alt'd to chl, ang to subang 0.5-1.0mm loc tect. brxx, x-cut by cal vns, <3mm, <1% total rx volume.											
50.66-60.02	P Bas 'Dyke': ct at 45-50° to CA, sheared/vn'd over 25cm w/ ep-hem-cal-chl vns and obscure boundins parallel to ct; dk gy gn, msv; 25% anh to subh plag, 1-4mm (avg 3mm) alt'd to cal-ep; groundmass of mafics (0.5-1.5mm) alt'd to chl subh to anh interstitial to cal-plag-ser-qtz (?); x-cut by cal vns in basal 2m, <5mm, <0.5% total rx volume.	perv mod cal										
	56.56-60.02: Fe-oxide stained		56.56-60.02 broken ground 56.56-56.57: clay fault gouge 59.04-59.05: sandy fault gouge 60.01-60.02: sericite fault gouge fault cts at 45° to CA									
60.02-69.12	'Low K rhyolite' (Dacite-keratophyre?): med to bleached gy gn, obscure volc texture, loc monolithic(?) tect. brxx 66.77: loc. preserved 'plag', aprx 40% anh-euh stubby 1-2mm xtls in tect. brxx 68.06-68.36: qtz vn brxx section x-cut by cal-qtz vns, <5mm, <0.5% total rx volume.	mod cal-qtz-ser-ep loc leucoxene	1-2% vfg (<0.5mm) euh py xtls, aspy needles??	2296 2297 GP-87-R15	60.02 61.52 63.05	61.52 63.02 65.84	1.50 1.50 2.79	17 130 whole rock	0.1 0.4	77 841	41 28	53 52
69.12-82.58:	Tectonically disrupted 'Bas I': diffuse ct over 20cm; dk gn, obscure volc. texture, tuffaceous(?), vfg	perv wk ep-chl-cal loc leucoxene										

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	frags <0.5mm, subang to ang; 90% of section is brxx, monolithic, vn brxx at 30°-5° to CA, local boundins											
	73.16-74.37: Fe-oxide stained frct zone qtz-cal rich, loc vuggy			2581	73.37	74.37	1.00	105	0.5	628	59	114
	74.87-74.97: fault clay gouge, 2mm at 50° to CA w. tr hem and jarrosite		74.87-74.97: 15-20% vfg diss py	2298	74.37	75.67	1.30	205	0.8	1460	57	99
				2582	75.67	76.67	1.00	3	0.1	11	20	68
	77.90-82.24: strng ep vn, hairline to 2cm thick vn brxx, loc siliceous frags		77.90-82.24: tr vfg diss py									
	:total section x-cut by cal vns, <5cm thick, <4% total rx volume.											
82.58-89.40	Bas T (flow?): dk gy gn, banded/ sheard/bedded(?) at 75-90° to CA: 40-60° white-gy/gn ang to subrnd frags (fsp ?? doubtful), 1-2mm lithics; fg matrix, loc shearing obliterated volc texture; at basal 70cm of section lithics are chl-rich, <5mm; x-cut by qtz-cal vns, <2mm, <2% total rx volume.	mod perv cal	1-2% vfg 'brassy' py in 'bands' parallel to 'bedding'	2299	85.87	86.87	1.00	5	0.4	36	16	56
89.40-94.75	Fg cherty Bas: gradational ct; dk gn, vfg, layered/bedded at 80-90° to CA; loc coarsening down section to wkly sheared tuff, loc flow brxx assoc w/ coarser zones (coarse is 0.5-1.0mm subang sheared white-gy frags); x-cut by cal vns, <3cm, <0.5% total rx volume.	wk chl-ep-cal loc leucoxene 94.25-94.75: strng ep-cal	1-3% vfg diss py assoc w/ loc flow brxx 91.39-91.46: cal-hem vn w/ 2% py	2300	90.46	91.46	1.00	8	0.1	36	41	15
				GP-87-R16	91.46	92.96	1.50	whole rock				
				GP-87-R16	92.36			thin section				

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From - To - meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
94.75-97.61	'Dacite': sharp ct, med gn; 70% feathery fsp 1-2mm, locally interlocking alt'd to cal-ep; vfg matrix; strongest alt at upper ct; x-cut by cal vns, <4cm, <1% total rx volume.	mod to wk cal-ep	tr vfg py assoc w/ cal vns								
97.61-105.60	'Low K-rhyolite' (Dacite-Keratophyre?): bleached gy gn, only local good preservation of volc textures,										
	97.61-99.67: tectonic brxx(?) heterolithic, 10-30% subang blk-chl-rich (<5cm); ramainder are cal-rich	97.61-99.67: wk to mod bleaching, spotty leucoxene	97.61-99.67: tr diss py and py as matrix to brxx frags								
	99.67-99.89: strongly bleached 'syndepositional' dyke ? flow ?	99.67-99.89: strng bleaching	99.67-99.89: 2mm py vn								
	99.89-100.26: brxx. flow top(?)		99.89-105.60: sporadic py as								
	100.26-100.53: strongly bleached flow/dyke; 20% 'stubby' strngly alt'd ghosts after fsp? 0.5-2.0mm; 2% 'qtz phenos', subrnd 1-2mm	100.26-102.32: strng bleaching, spotty leucoxene	matrix to brxx, vfg diss and layers parallel to flow cts	2351 GP-87-R17	100.36 103.00	100.76 104.40	0.50 1.40	3 whole rock	0.1	7	13	30
	100.53-101.20: brxx, flow top(?)										
	101.20-102.32: flow/dyke: 20% qtz euh to subh xtls (1-4mm) w/ cal rxn rim; 10-20% anh chl as ghosts after fsp; vfg matrix										
	102.32-105.60: mixed flows and brxx, flows are fsp-chl-rich, brxx exhibits stronger bleaching: where clear, flow cts are 70-90° to CA; cts are locally sharp and bound by brxx										
	;total section x-cut by cal vns, <8mm, <2% total rx volume.										

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
105.60-125.22	Bas TAL: dk gn, well preserved volc texture, msv, monolithic; 20-25% aubang to subrnd aggl. <20cm, avg 8cm; 40-50% subang to subrnd lapilli frags; 30% ash-size matrix; all frags are darker gn that matrix, have 20-30% euh to subh 0.5-2.0mm stubby plag alt'd to chl-ep, loc glomeroporphyritic, <0.5% qtz anh to subh, vfg chl-rich matrix; matrix to frags is same composition w/ greater ep; x-cut by cal vns <0.5cm, <0.5% total rx volume.	wk to mod chl, spotty leucoxene									
125.22-149.24	Amygdaloidal Bas: mixed flow, pillow and tectonic brxx, flows and pillow bas, well preserved textures, dk gn, msv, upright (indicated by conc of amygs in pillows); 125.22-126.36: amyg flow/lg pillow w/ ct at 60° to CA; 20-30% rnd amygs, 0.5-2.0mm, paler gn than matrix, diffuse rims, elongate at 60° to CA 126.36-131.24: heterolithic brxx ATL; 15% aggl-size dk chl-rich 'pillow frags'(?) <6mm, subrnd to subang; 25% lapilli-size dk chl-rich frags, 15% gy-gn lapilli, 20% qtz-cal-chl alt'd lapilli; ash matrix; local preservation of amygs in frags 131.24-136.41: monolithic brxx ALT: 10-15% aggl-size subang frags; 40% lapilli; 50% ash matrix supported;	wk chl, spotty leucoxene 128.54-130.70: qtz-cal-chl-hem-fuchsite(?) alt, mod bleaching	128.54-130.74: tr to 1% py (aspy?) assoc w/ cal-qtz-fuchsite vn	2352	129.43 130.93	1.50	26	0.2	12	19	25

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	frags have 15-30% rnd amygs 1-3mm, elongate 70-90° to CA, chl-filled 136.41-149.24: mixed pillow and flow/tectonic(?) brxx; 30% pillow, <15cm diameter. total section x-cut by cal vns, <10cm, avg 2mm, <1% total rx volume.		145.29-145.69: 2-3% vfg py(aspy?) assoc w/ cal-qtz vn (10cm thick)	2353	145.29 145.79	0.50	42	1.0	130	94	72
149.24-176.53	Sheared Amyg Bas ALT-LAT: dk gn, msv 149.24-156.73: mod to strngly sheared Bas at 35° to CA; slickensides observed on broken core	wk chl-cal, spotty leucoxene	tr py, sporadic/patchy, vfg								
	150.22-151.28: broken ground w/ glayey fault gouge <2mm, 'graphite'(?) gouge 151.21-154.53: obscure volc texture, x-cut by hairline ep vns w/ py and blk suphide? oxide along vn/shear planes		150.22-151.28: 2-3% vfg diss py on frct planes assoc w/ gouge, tr aspy	2354 2355	150.22 151.22 151.22 152.22	1.00 1.00	57 3	0.5 0.1	965 27	66 4	54 48
	154.53-155.90: sheared amygs preserved 1-5mm, subrnd, elongate at 60° to CA, diffuse boundaries, 20-30% amygs replaced by gn chl	143.53-155.90: wk bleaching									
	155.90-156.73: sheared heterolithic brxx (flow top), 20-30% pale pink hem-stained ang to subrnd cal-frags (<3cm), 10-30% chl-rich frags, 5% qtz-rich frags, 40% chl-cal-ep frags, 10% dk gn amyg chl-rich matrix										
	156.73-158.98: vfg gy gn msv and brxx 'Bas' x-cut by cal-ankerite vn(?)	156.73-158.98: wk to mod bleaching									
			162.97: clayey fault gouge, 3mm, sheared at 45° to CA								

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	163.53-167.02: volc text, obscure 167.02-176.53: strngly sheared Bas LT to ALT, matrix-supported; 40% sheared subang lapilli dk gn amyg(?) diffuse boundaries; bleached gy gn matrix; sheared at 75° to CA. total section x-cut by cal vns <1cm <2% total rx volume.	163.53-167.02: wk to mod bleaching-ser-chl	163.53-167.02: 3-10% vfg diss py, patchy, loc assoc w/ cal vn	2356	163.53	165.03	1.50	1	0.5	12	29	42
				2357	165.03	166.53	1.50	4	0.5	26	47	47
				GP-87-R18	172.82	175.87	3.05	whole rock				
176.53-185.01	Mixed Fg Bas T and amygd Bas: dk gn, msv; 10% vfg-aphanitic gy gn tuff, 90% amyg Bas; 60% round chl-rich amygs, 1-3mm, locally elongate at 75° to CA; flow top brxx at cts; x-cut by hem-stained cal vns <3cm, <0.5% total rx volume.	wk chl-ep-ser?										
185.01-195.77	Bas LT: dk gn, monolithic, msv; 40% subang to subround lapilli (avg 15mm, max 40mm), dk gn chl-rich, w/ spotty leucoxene, plag microliths(?); matrix paler gn w/ 30-50% plag microliths(?); x-cut by cal vns, <2mm, <0.5% total rx volume 190.66-194.05: Dyke; non-magntc, no cal vns, has sharp cts, upper?, lower at 45° to CA; dk gn, msv; 30-40% stubby plag 0.5-4mm, avg 2mm, euh, loc twinned, alt'd to cal-ep-chl; 20-30% hb needles, euh, alt'd to chl, <1mm; vfg ground mass.	wk bleaching at ct, wk overall chl alt										

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
195.77-201.46	'Low K rhyolite' (Keratophyre, rhyodacite?): med to pale gn; hairline ep vns, cal vns, patchy hem and tr py at ct over 20cm, amyg bas frag (<2cm) 10cm below ct; volc obscure, vfg w/ 5-15% subang elongate med gn chl 'frags' 'shards' 'amygs'(?) 2 amyg bas frags at base of section and 20-30% 'amygs': section x-cut by cal vns, <1cm, <0.5% total rx volume.	wk to mod bleaching(?)	tr vfg diss py	GP-87-R19 GP-87-R19	196.00 197.51 196.20	1.51	whole rock this section				
201.46-242.42	Amyg Bas ALT: dk gn, msv, monolithic; 10% A, 15cm, subrnd, pillow frags?, amygs <15mm, avg 1mm, loc cal-filled, generally dk gn chl-filled; 10-15% L, remainder msv amyg Bas: x-cut by cal vns <3mm, <0.5% total rx volume 222.00-223.28: hyaloclastite 239.33-239.65: hyaloclastite.	wk to mod dk gn chl 222.00-223.28: wk bleaching	222.00-223.28: tr py in cal-ankerite vn 238.10-238.96: broken ground								
242.42-249.04	Plag P (same as 190.66-194.05): dk to med gn, msv 40-60% eug to subh plag, 1-6mm, avg 1.5mm, wkly alt'd to ep-ser; matrix of fg pleg, hb needles, ep, chl, qtz(??); broken ground at cts.										
249.04-253.42	Amyg Bas ALT - ATL: dk gn, msv; 20-25% A amyg pillow/pillow frags (<20cm); remainder w/ obscure texture; no carb alt.										

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
253.42-259.06	Low K-rhyolite (rhyodacite, keratophyre?): med to lt gn, msv, similar to 195.77-201.56; 5-8% ang to subround pale gn (chl) shards/xtls/ amygs? <2mm; no cal vns, x-cut by qtz vns <2mm, <0.5% total rx volume.	bleached, no cal alt patchy qtz									
259.06-275.95	Amyg Bas ALT - LAT: dk gn, brxx ct; 10-30% (variable) aggl-size subround pillow/pillow frags, <8cm, amygs <5mm filled w/ chl>qtz, matrix to pillow frags is dk blk-gn chl-rich and pillows are paler gn; 30-50% lapilli (variable) heterolithic, subang to subround, dk chl-rich 259.06-273.10: predominantly LAT 273.10-275.95: predominantly ALT total section x-cut by qtz-cal vns <5cm (avg 2mm), <0.5% total rx volume.	wk chl-no cal, spotty leucoxene	tr py, sporadic distribution assoc, w/ loc flow brxx								
275.95-276.68	Sheared Amyg Bas LT: same as above ALT but sheared at 75° to CA.										
276.68-281.65	Mixed Bas T and flow brxx(?): dk to med gn, obscure volc textures, 8-10cm thick cal-qtz-hem vns at upper ct: 276.68-279.93: flow brxx? frag ghosts, <5cm, diffuse boundaries 279.93: fg to loc 'cherty' 'welded tuff'(?) w/ chl-rich 1-3mm elongate wisps/welded shards at 80-90° to CA, loc brxx assoc w/ qtz and sulphides	wk chl, v little cal, qtz healing brxx	279.70-279.80: qtz vn w/ tr aspy needles, 2-3% 'late' cg py 2-5mm euh, x-cutting qtz vn 279.94-280.04: 40% cg py, <5mm, rounded, late, x-cutting qtz vn 280.04-281.12: 10-15% cg py, <5mm, rounded, late, x-cutting qtz vn and vn brxx and restricted to vns; 0.5% chpy, assoc w/ py, restricted	2273 2274 2583	279.50 280.50 280.50 281.50 278.50 279.50	1.00 1.00 1.00	84 50 14	13.4 9.0 0.1	466 531 152	6736 4634 6	170 2996 142

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	total section x-cut by qtz vn/qtz vn brxx, <8cm, <3% total rx volume.		to vns in patchy 'net texture', filling interstices between qtz frags (vn brxx); >0.5% pale yellow sph in similar 'net' texture, earlier than py?								
281.65-286.50	Mixed Bas LT - ALT: med to dk gn, poorly preserved volc text, msv; 10-25% aggl, <20cm, amyg(?), subround, diffuse boundaries; 30-40% lapilli(?), remainder matrix tuff-size, x-cut by qtz (80%)-cal (20%) vns, <4mm, <0.5% total rx volume.	wk chl, spotty leucoxene wk bleaching(?)	tr - 2% cg (<3mm) diss py and py vnlts, sporadic, tr aspy(?) in qtz vns	2275	281.50 282.50	1.00	1	0.2	7	62	118
286.50-308.56	Mixed Bas fg and LT: msv, amygs aligned at 70° to CA, <2mm, locally rimmed w/ leucoxene +/- py; 85% fg amyg(?) T, <0.5mm; 15% LT as flow top brxx(?); x-cut by qtz vns <5mm, <0.5% and cal vns <2cm, <0.5% total rx volume.	wk chl, spotty leucoxene	tr py, sporadic, assoc w/ cal qtz vns 306.93-307.93: 2-3% cg py as vns (<2mm) and assoc w/ cal vns	2358	306.93 307.93	1.00	2	0.1	8	12	72
308.56-319.10	Mixed fg Bas T, heterolithic Brxx (LT) and monolithic pillow brxx (LAT)										
	308.56-311.48: Monolithic brxx, 30-40% subround pillow frags <8cm, diffuse boundaries, amygs filled w/ blk chl, matrix is blk chl-rich	308.56-311.48: wk to mod chl	308.56-311.48: tr to 1% fg diss py, tr chpy at pillow edges, assoc w/ tr sph; chpy and sph also assoc w/ qtz in healed brxx	2359 2360	308.98 309.98 309.98 311.08	1.00 1.10	1 1	0.4 0.5	34 22	405 556	238 205
	311.48-315.02: heterolithic brxx, subang to subround frags 5cm; amyg/ fg T/cal-hem-rich/dk blk chl-rich frags sheared at 65° to CA.	311.48-315.02: mod chl, loc strong carb w/ hem	311.48-315.02: tr py, sph, chpy	2361 2362	312.03 313.03 313.03 314.03	1.00 1.00	5 1	0.7 0.4	57 24	462 173	289 377

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	315.02-315.92: fg tuff 315.92-316.82: flow brxx 316.82-317.42: fg tuff		315.02-316.82: 3-4% py, tr chpy								
	317.42-319.10: flow brxx, x-cut by cal and qtz vns and vn brxx <5cm, <8% total rx volume.		317.42-319.10: 3-4% py diss and as vns assoc w/ qtz, carb, fuchsite(?)	2585	328.32 329.32	1.00	32	0.7	152	21	91
				2584	329.32 330.32	1.00	25	0.3	143	77	156
				2276	320.44 321.44	1.00	68	2.9	238	299	143
319.10-334.36	Bleached Bas? T?: pale gy gn, poor-no preservation of volc textures, loc hyaloclastite? x-cut by qtz vns (and 5-10% cal) and vn brxx, <15cm, <4% total rx volume; loc flow brxx (lapilli-size frags).	mod qtz-ser-chl tr fuchsite(?)	319.10-334.36: 4-8% vfg diss py, py vns, assoc w/ tr aspy chpy	2277	321.44 322.44	1.00	42	0.4	246	22	61
				2278	322.44 325.44	1.00	13	0.1	61	23	81
				2279	330.32 331.32	1.00	425	9.5	2863	146	133
				2280	331.32 332.32	1.00	395	8.1	3082	96	159
				2586	332.32 333.32	1.00	230	5.3	1322	40	107
				2281	336.41 337.41	1.00	1	0.3	33	649	307
				2282	339.41 340.46	1.05	78	7.6	174	858	225
334.36-345.92	Bas Pillow Brxx (ALT-LT): dk gn, msv, local good preservation of volc text; <5% agl (<5cm), amyg, diffuse boundaries, subround-subang, amygs <3mm, chl/cal filled; 30-50% lapilli; x-cut by qtz (80%) cal (20%) vns and vn brxx, <20cm, <20% total rx volume.	wk chl, loc silicification as envelope to qtz vns	335.40-339.46: 2-3% py, cg (<2mm) sporadic distribution tr chpy 339.46-341.89: 20-30% cg py <4mm, subround, wkly 'layered' oriented at 70° to CA assoc w/ tr-1% chpy and sph; in qtz vn brxx 341.89-345.92: tr to 1% diss py in cal-hem vns	2283	340.46 341.46	1.00	58	5.9	75	10,118	152
				2284	341.46 342.46	1.00	28	3.0	100	94	224
345.92-348.32	Sheared Bas LT: sheared at 65-75° to CA, sharp cts dk gn, msv, heterolithic(?), pale chl-ser-rich/ dk chl-rich/ep-rich/chl-cal-rich elongate frags, amyg(?) <2cm; x-cut by cal vns which were later sheared (ie vns are pre-tectonic) <3cm, <2% total rx volume	perv. cal alt	tr py at cts 48.09: 1-2mm fault gouge at 35° to CA (blk chl and graphite?)	GP-87-R21	345.92 348.32	2.40	whole rock				

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Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan 7, 1987 DR17-86

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
348.32-350.11	Fg Bas T(?): med gy gn, vfg, 10-15% euh to anh, 0.5-1.5mm loc sheared xtls alt'd to chl (hb-plag??), groundmass alt'd beyond recognition; x-cut by cal vns, <3mm, <1% total rx volume.	wk-mod bleached, spotty leucoxene qtz-ser(?)	tr to 1% py as vns	2363	348.21 249.21	1.00	14	0.1	58	23	48
				2364	249.21 350.21	1.00	2	0.2	29	15	77
350.11-360.97	Bas LT to ALT, mixed heterolithic flow brxx and loc vn brxx; <5% subround aggl frags w/ diffuse boundaries; 40-60% lapilli, local preservation of amyg. textures; heterolithic-pale chl-ser-qtz-rich/ med gn chl-rich/dk gn-chl-rich.	wk to mod patchy bleaching	350.11-355.21: patchy diss py cg 2-3%	2365	350.21 351.21	1.00	33	0.1	173	13	75
				2366	351.21 352.21	1.00	34	0.2	417	10	58
		355.21-358.21: strng dk gn chl alt, patchy bleaching	355.21-358.21: 8-10% py, in mav 2-10cm 'layers' of subround 2-5mm xtls, tr chpy	2367	352.21 353.21	1.00	32	0.3	415	10	67
				2368	353.21 354.21	1.00	13	0.1	58	8	74
				2369	354.21 355.21	1.00	31	0.2	189	21	70
				2370	355.21 356.21	1.00	28	1.2	476	200	150
				2371	356.21 357.21	1.00	24	1.9	203	1273	144
	360.58-360.97: fg T?? texture unclear total section x-cut by cal(60%) qtz (40%) vns <10cm, <5% total rx volume, stronger bleaching assoc w/ vns.	360.58-360.97: strong to mod bleaching	358.21-360.97: 2-3% dis py wk-mod sporadic shearing	2372	357.21 358.21	1.00	28	3.1	378	199	121
				2373	358.21 359.21	1.00	12	1.5	129	103	120
				2374	359.21 360.21	1.00	14	0.3	128	63	109
				2375	360.21 361.21	1.00	10	0.1	10	53	113
360.97-365.97	Sheared Bas LT - ALT(?): dk gn, msv, heterolithic (variable alt of frags) sheared at 50-60° to CA frags <10cm, sheared, subround(?), hetero; ep-rich/ ep-chl-rich/blk chl-rich/gy gn chl-ser(?)-rich; x-cut by pre/syn tectonic cal vns, <3mm <1% total rx volume.	wk ep increasing to mod ep alt down hole	tr diss py	2587	365.67 366.67	1.00	12	0.5	208	71	131
365.97-378.89	Bas LT: dk gn, msv, good preservation of volcanic textures; 30-40% lapilli <50mm, subang to subround, monolithic, sharp bounduries, amygd and 'vitric' (subang to ang devitrified, 'welded' frags/shards??); x-cut by cal vns,	wk to mod ep-chl-cal	tr sporadic diss py, tr aspy(?) assoc w/ cal vn	2285	366.69 367.50	0.73	410	34.9	3786	292	124
				GP-87-R22	367.67 369.72	2.05	whole rock				

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	<1cm, <1% total rx volume.										
378.89-385.68	Bas ALT: dk gn msv: 10-15% aggl ep-rich round, 10cm frags w/ diffuse boundaries, vfg w/ plag? ghosts, <0.5mm laths alt'd to ep; loc amyg?, 2-3mm round qtz-filled amygs?; 30-40% lapilli subround to subang, dk gn chl-rich w/ 30-40% ghosts after plag alt'd to ep-ser; local elongation at 45° to CA: x-cut by cal vns <10cm, <0.5% total rx volume.	wk to mod ep-chl	tr py, sporadic distribution diss								
385.68-395.02	Bas LT: similar to above, lacking in aggl component.	wk to mod ep-chl	tr-2% py, sporadic distribution 389.90-389.95: cal-py vn 392.30-392.38: 30% py in layer 395.02: fault gouge/ground core??								
395.02-399.12	Bas ALT: same as 378.89-385.68.										
399.12-415.94	Bas LT: dk gn, msv, texture obscured by high % of py; matrix supported?, subang lapilli, amyg(?) 401.56-408.24: obscure texture w/ flow brxx at base total section x-cut by cal vns, <3cm, <3% total rx volume.	mod-strng blk chl alt 401.56-408.24: strong chl alt	401.56-0408.24: 20-30% cg (2mm) euh-subh py 408.24-415.44: broken core	2286 2287 2288	402.32 403.32 403.32 404.32 404.32 405.32	1.00 1.00 1.00	24 3 29	0.7 0.5 0.8	61 127 201	88 42 321	161 173 189

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
415.44-436.49	Bas ALT: amyg pillow, dk gn, msv; 20% aggl, <11cm, subround to round, well defined boundaries, paler gn than matrix, filled w/ 15% amygs 1-3mm, blk chl-filled, monolithic; 15-25%(?) lapilli unclear texture of matrix.	415.44-416.94: 5% patchy jasper; <ep, <cal<chl; whole section has wk to mod ep-chl	415.44-415.54: 20% py	2376	415.44	416.94	1.50	10	0.1	14	27	52
	420.30-420.42: 'oxidized' 'purple' horizon w/ qtz vn as base section x-cut by cal vns, <1cm, <0.5% total rx volume.		whole section has tr py w/ sporadic distribution	GP-87-R23	422.76	425.80	3.04	whole rock				
436.49-446.30	Alt'd Bas LT(?): obscure texture because of alteration and x-cutting vns mixed lithologies?											
	436.49-437.1: fracture zone ??		439.49-437.1: broken core									
	437.1-437.55: med to 'ep' gn dyke equigranular, 1-2mm ghosts after subh plag/hb, stubby xtls, x-cut by qtz > cal vns, <2mm, <5% total rx volume cts sharp at 45° to CA	437.1-437.55: med bleaching qtz-ep (?)	437.1: tr chpy at dyke ct	2589	436.1	437.1	1.0	142	1.4	219	136	134
		437.55-438.1: mod ep-chl		2588	437.1	438.1	1.0	260	1.3	1624	58	92
		438.1-439.1: strong	438.1-439.1: 2-5% vfg diss py	2289	438.1	439.1	1.0	430	2.2	4973	45	59
		60-70% qtz, fuchsite (?)	tr aspy fine needles	2377	439.1	440.6	1.5	230	2.4	2181	268	170
	439.1-440.58: sheared amyg Bas LT(?) dk gn msv local perservation of elongate chl-filled amygs			2378	440.6	441.6	1.0	54	0.2	133	9	16
	440.6-442.6: obscure texture, pale gy.	440.6-442.6: bleached 25% qtz vn < 6cm	440.6-442.6: 1-2% vfg py, tr aspy	2379	441.6	442.6	1.0	28	1.0	154	23	32
				2290	442.65	443.65	1.0	131	5.5	583	100	141
446.30-461.18	Sheared Bas LT: dk gn, msv sheared at 45° to CA, variable composition/ alteration of frags (monolithic >> heterolithic)											
				2590	445.5	446.5	1.0	91	15.7	401	4356	115
	446.3-448.97: texture obscured by high % pyrite.	446.3-448.97: strong blk chl	446.3-448.97: 40% cg py	2291	446.5	447.51	1.01	81	35.1	164	20065	226

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	448.97-455.54: Sheared amyg Bas LT (ALT ??), fragment boundaries unclear, x-cut by cal-hem vns, pre- and syn-tectonic, <2cm, <8% total rx volume	448.97-452.7: wk to mod chl-ep 452.7-455.54: mod to strong ep-chl-hem 455.54-458.5: wk ep-chl	455.54-458.5: tr vfg py	2591 2592	447.5 448.5	448.5 449.5	1.0 1.0	29 14	3.5 1.4	47 23	3812 3470	150 124
	455.54-458.5 Dyke: med to dk gy; sharp uneven cts, wk xtl alignment at 30° to CA; 25% plag, <1mm, euh to any, alt'd to ep, ser; 10% anh qtz <1mm; equigranular; x-cut by cal vns, <1mm, <0.5% total rx volume.											
	458.5-461.18: wkly sheared Bas LT (ALT ??), dk gn msv, shearing destroyed pillow/frag cts.	458.5-461.8: strong ep-chl-hem-cal										
461.18-466.42	Low K rhyolite I (keratophyre, rhyodacite ?): sharp ct at 40° to CA, brxx uneven lower ct; med gy vfg, equigranular, <0.5mm xtls (xtl frags ?); x-cut by cal (80%) qtz (20%) vns <4cm, <0.5% total rx volume.	bleached: qtz alt (?) (hard)	0.5% chpy as vns 25-65° to CA, <5mm thick; 1-3% vfg py diss; tr tennantite/tetrahedrite	2380 GP-87-R24 GP-87-R24 2292	461.18 462.18 462.48 463.82	462.18 463.18 464.82	1.0 1.0 1.0	12 whole rock thin section 23	1.4 14.9	18 288	4249 1773	41 49
466.42-472.12	Bas LT: amyg wkly sheared amyg, mixed monolithic (70%) heterolithic (30%)? 466.42-468.87: wkly sheared dk gn, frag boundaries obscure, preserved amygs rounded cal-qtz-chl-filled monolithic, frags <4cm. 468.87-470.42: 15% lapilli rounded vfg gy: 85% amyg bas 470.42-472.17: 10-15% rounded ep-rich amygs vfg matrix total section x-cut by cal vns <2cm, <2% total rx volume.	mod to wk chl-ep 468.87-470.42: wk to mod bleaching	2-5% mg (<1mm) py, tr chpy									

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
472.12-477.0	Bas LTA: dk gn msv; 85% agglomerate <25cm, rounded (?) diffuse boundaries, amyg (pillows), 40% chl-ep filled subround amygs (2-3mm); 15-20% lapilli at pillow cts ang to subang; x-cut by cal vns <1cm, <0.5% total rx volume.	wk to mod ep-chl tr hem	tr fg diss py									
477.0-479.8	Bas: bleached to dk gn, msv; 20% elongate amygs, <5mm, sheared at 55° to CA, blk to pale gn chl-filled matrix vfg to aphanitic; x-cut by qtz vns <10cm, <3% (x-cuts bleached and blk chl rx w/ no alt envelope) total rx volume.	477.0-477.25: strong blk chl 477.25-478.4: bleached silicified 478.4-479.8: mixed strong blk chl w/ siliceous	477.0-478.4: 3-4% vfg diss py 478.4-479.8: 2-3% py, 1% chpy as vnlts	2381	478.4	479.8	1.4	58	2.7	351	2602	119
479.8-501.89	Bas ALT: msv dk med gn; 25% agglomerate monolithic, rounded w/ sharp boundaries, amygs filled w/ chl-cp-cal; interstitial to disconnected aggl are heterolithic ang to subang lapilli (brxx ?) w/variable proportions of chl-ep-cal-pale pink cal; % tuff size unknown 479.8-480.53: ALT											
	480.53-482.73: LT; msv amyg Bas (?) 40-60% subround amygs loc elongate at 45° to CA, flow brxx at basal 25cm	480.53-482.73: bleached silicified, 25% qtz vn 1-3% fuchsite (?)	460.53-482.73: 2% vfg py & tr aspy as vn selvage	2293	480.73	481.73	1.0	149	2.1	1052	14	69
				2294	481.73	482.73	1.0	49	0.9	382	17	102
	482.73-493.17: ALT 493.17-493.81 cal vn brxx/tectonic brxx, ang frags healed w/ qtz cal, x-cut by 10cm cal vn, loc wk shearing 493.81-494.17: sheared vfg amyg Bas, sheared at 65° to CA.	482.73-493.17: wk to mod blk chl	482.73-493.17: tr py chpy 497.17-494.17: 2-3% py 1-2% chpy rimming brxx frags, on shear planes	2593	492.17	493.17	1.0	1	1.0	15	2245	150
				2295	493.17	494.17	1.0	36	17.4	212	10941	250
				2594	494.17	495.17	1.0	1	0.1	10	1712	1044

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	494.17-501.89 Bas ALT	494.17-501.89: wk ep-chl	494.17-501.98: tr diss py sporadic									
501.89-504.28	Low K-rhyolite (keratophyre-rhyodacite ?): sharp cts at 55-60° to CA obscure texture, tuffaceous? pale gy; 10-15% vague pale chl-rich 0.5-1.0mm amygs/xtals/frags?? dyke??	bleached	3-4% vfg diss py									
504.28-509.58	Mixed Bas LT and I; dk gn msv amyg wk shearing has obscured frag boundaries, 10% amyg bas x-cut by cal vns <10cm, <15 total rx volume.	wk to med ep-chl	tr py & chpy vfg sporadic									
509.28-512.4	Low K-rhyolite (keratophyre-rhyodacite ?): sharp cts upper at 40° to CA, lower at 15° to CA (sheared): obscure texture, 'blotchy' med gy fragmental (?) <1cm frags (?); x-cut by qtz vns, <1cm, <5% total rx volume.	bleached - silicified	3-4% f-cg diss py (< 6mm cubes) and vns	2382	510.3	511.3	1.0	43	0.9	419	342	53
512.4-522.15	Fg amyg Bas: msv dk gn, loc flow at 80-90° to CA; 2-55% amygs (variable %) <3mm, filled w/chl/ep/cal, rounded wkly sheared to feathery ? x-cut by cal vns <3cm, <0.5% total rx volume.	wk to mod ep-chl patchy strong ep	tr py, tr chpy									
522.15-533.9	Bas: sharp ct at 80° to CA poorly preserved texture (ALT/I?) dk gn msv; ?% round pillow/pillow frags, <10cm, amyg.	522.15-526.39: patchy strong ep, chl, carb	522.57-522.90: 1% diss chpy vfg and 'net' vnlts 523.8-524.06: 1% chpy on shear planes and x-cutting vnlts	2383	522.57	524.06	1.49	1	0.4	5	891	201
	522.15-527.82: 80% (?) f amyg flow, amygs <3mm, ep chl-filled loc shearing		524.8-526.0: 0.5% chpy assoc. w/ 2-3% cg py in 'layer' at	2384	524.8	526.0	1.2	14	1.9	5	8601	103

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	loc x-cut/banded w/ep & blk-chl layers up to 25cm thick, banded at 45° to CA		aprx 70° to CA, and chpy (tr) in cal vn								
	527.82-533.9: patchy Bas ALT (?) pillow brxx (?) subround to subang amgy frags <10cm	526.39-527.82: strong ep 527.82-523.9: patchy strong ep chl tr hem	526.0-527.82: tr py chpy 531.56-533.9: tr to 1% py, chpy	2385	531.56	532.56 1.0	8	0.3	5	1490	398
	532.5-533.9: flow brxx: total section x-cut by cal > qtz vns <4cm <2% total rx volume.	533.2 : tr jasper	conc in cal vn brxx and flow brxx oriented aprx 75-90° to CA; 2-3% banded py at basal ct	2386	532.56	533.9 1.34	11	0.9	29	1118	472
533.9-554.97	Bas LT-T (?) sharp ct at 60° to CA chilled, sheared, obscure volc text, msv amyg bas ??, <3mm rounded, ep> chl-filled, variable 20-60% amygs:	533.9-535.47: mod bleaching, sheared at 40° to CA	533.9-535.7: 2-3% diss py & py vnlts, tr chpy vnlts	2387	533.9	534.9 1.0	445	16.5	618	2353	53
				2595	534.9	535.8 0.9	18	0.6	119	1016	130
	patchy ep alt obscures texture; total section x-cut by cal vns, <4cm, <0.5% total rx volume.	535.47-554.17: patchy strong ep, chl	535.47-542.7: 0.5% chpy as 1-5mm patches and discontinuous vns (2-4mm) in strongly ep alt'd sections and in cal vns	2388	535.8	536.8 1.0	3	0.1	23	87	128
				2389	536.8	537.8 1.0	15	0.1	31	101	126
				2390	537.8	538.8 1.0	116	4.0	90	4404	91
				2391	538.8	539.8 1.0	13	0.5	25	1189	120
				2392	539.8	540.8 1.0	6	0.5	2	2696	111
				2393	540.8	541.8 1.0	4	0.4	2	3639	90
				2394	541.8	542.8 1.0	5	0.1	3	191	145
		547.8-548.73: aprx 15-25% qtz-ep vn and vn brxx	547.83-548.73: 25% py 1.5% chpy in qtz-ep vns at 55° to CA	2395	547.83	548.73 0.90	7	0.4	8	1944	906
		554.17-554.97: mod bleaching, wk to mod shearing at 35-45° to CA 20-25% cal vn, tr fuchsite (?)	554.17-554.97: 6-8% vfg diss py	2396	554.17	554.97 0.90	148	1.3	1044	62	87
554.97-559.0	Bas T: sharp ct at 45° sheared; dk gn msv vfg, 95% amygs (?) <0.5mm, 5% <2mm loc 'layering' at 60° to CA x-cut by cal vns <8mm <1% total rx volume.	patchy wk to mod ep-chl									

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
559.0-570.11	Mixed Bas ALT and LT: dk gn, msv loc wk shearing at 65° to CA, gradational ct 1st appearance of A; 559.0-568.0: ALT; 15-20% (?) agglomerate (<8cm) rounded, amyg, diffuse boundaries, blk chl-filled 1-3mm amygs 10-15% lapilli remainder tuff; x-cut by qtz vns, <85cm, <20% total rx volume (5 lg vns 15-25 cm)	wk to mod ep chl, tr fuchsite (?) dropside	559.5-556.9: 10% fg diss py tr cp, tr aspy, in host rx not qtz vns, conc as vn envelopes	2397	559.5	560.5	1.0	455	14.7	1364	917	103
				2397	559.5	560.5	1.0	0.03% W				
				2398	560.5	561.5	1.0	995	67.3	1529	1000	151
				2398	560.5	561.5	1.0	0.16% W				
				2399	561.5	562.5	1.0	77	2.9	478	13	51
				2399	561.5	562.5	1.0	0.01% W				
				2400	562.5	563.5	1.0	13	0.7	224	10	78
				2501	563.5	564.5	1.0	9	0.1	72	4	90
				2502	564.5	565.5	1.0	32	0.9	403	10	99
	568.0-570.11: MSV T, amygs elongate at 45° to CA <15% fragmentals pillow frags?); x-cut by cal vns, <0.5cm, <0.5% total rx volume.	568.0-579.91: mod to strng ep		2503	565.5	566.5	1.0	46	5.3	201	80	36
				2504	566.5	567.5	1.0	54	1.4	820	43	104
				GP-87-825	573.02	574.35	1.33	Whole rock				
570.11-578.90	'Low k-Rhy' (keratophyre, rhyodacite?) bleached gy, mottled obsucre texture 10-30% 1-5mm plag ghosts? diffuse xtl boundaries stubby?	mod silicification (?) wk ep, patchy jasper (<0.5%) ankerite vns?	1-3% vfg diss py, <0.5% py (& chpy ?) vns	2505	574.35	575.35	1.0	295	2.5	155	276	330
				2506	575.35	576.35	1.0	8	0.4	34	157	41
578.9-579.73	Tectonic (?) brxx: ang frags, ep-rich and vfg dk gn, sharp ct w/ Rhy at 60° to CA.											
579.73-591.76	Fsp P dyke: gy gn, variable texture from porphyritic - equigranular, from cg to fg, alt'd to wkly alt'd: 30-65% plag, euh to subh, <6mm; 20-3% hb acicular needles <4mm; brxx cts 586.57-588.00: LT-ALT Brxx w/ flow banding at 90° to CA.											

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591.76-601.03	Bas LT-ALT (?) wkly sheared msv dk to med gn; amyg, sheared at 45-65° to CA: 15-20% A (?), subround to subang ?? poorly preserved texture. x-cut by cal vns <1cm, <3% total rx volume.	wk ep-chl	tr py as <2mm discontinuous vns								
601.07-606.34	Bas T, strongly sheared at 50° to CA, amyg, x-cut by syn-pre tectonic cal vns w/ loc hem stain, vns are <1cm, <8% total rx volume 604.09-604.86: plag P dyke; post-tectonic (not sheared), sharp cts 70° & 90° to CA.	wk chl ep	tr py assoc w/ hem								
606.34-611.73 EOH	Bas LT-ALT; amyg dk gn, wkly sheared.	wk to mod ep chl									

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Core Boxes

Core Recovery

Box No.	Interval (m) From	To	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %
1	3.66	11.55	3.66	4.57	0.91	0.15	17	57.30	58.82	1.52	1.35	89	123.10	120.15	3.05	3.02	99
2	11.55	19.19	4.57	5.18	0.61	0.50	82	58.82	59.74	0.92	0.86	93	130.15	131.67	1.52	1.64	108
3	19.19	26.70	5.18	6.71	1.53	1.20	78	59.74	62.79	3.05	3.08	101	131.67	133.20	1.53	1.48	97
4	26.70.	33.52	6.71	8.23	1.52	0.85	56	62.79	65.84	3.05	3.08	101	133.20	136.24	3.04	3.13	103
5	33.52	40.75	8.23	9.75	1.52	1.65	108	65.84	69.04	3.20	3.15	98	136.24	139.29	3.05	2.95	97
6	40.75	47.92	9.75	11.27	1.52	1.40	92	69.04	72.08	3.04	3.00	99	139.29	142.34	3.05	3.08	101
7	47.92	54.84	11.27	14.32	3.05	3.00	98	72.08	74.34	2.26	2.35	104	142.34	145.39	3.05	3.00	98
8	54.84	61.65	14.32	15.54	1.22	1.00	82	74.34	77.72	3.38	3.10	92	145.39	148.44	3.05	3.00	98
9	61.65	68.91	15.54	17.37	1.83	1.40	76	77.72	80.77	3.05	3.03	100	148.44	150.72	2.28	2.25	99
10	68.91	75.68	17.37	18.29	0.92	0.55	60	80.77	83.92	3.05	3.05	100	150.72	151.79	1.07	0.95	89
11	75.68	82.80	18.29	20.42	2.13	1.90	89	83.82	86.87	3.05	2.90	95	151.79	154.53	2.74	2.80	103
12	82.80	90.10	20.42	21.95	1.53	1.50	98	86.87	89.92	3.05	3.15	103	154.33	157.58	3.05	3.08	100
13	90.10	97.29	21.95	23.47	1.52	1.20	79	89.92	92.96	3.04	3.05	100	157.58	160.63	3.05	3.05	100
14	97.29	104.4	23.47	24.38	0.91	0.30	33	92.96	96.01	3.05	2.90	95	160.63	163.68	3.05	3.04	100
15	104.4	111.39	24.38	25.76	1.38	1.50	109	96.01	98.14	2.13	2.05	96	163.68	166.72	3.04	2.98	98
16	111.39	118.66	25.76	28.04	2.28	2.20	96	98.14	99.67	1.53	1.75	114	166.72	169.77	3.05	3.10	102
17	118.66	125.92	28.04	29.56	1.52	1.60	105	99.67	101.80	2.13	1.88	88	169.77	172.82	3.05	3.05	100
18	125.92	132.90	29.56	32.61	3.05	3.05	100	101.80	104.60	2.80	2.90	104	172.82	175.87	3.05	3.10	102
19	132.90	139.80	32.61	35.66	3.05	2.90	95	104.60	106.98	2.38	2.43	102					
20	139.80	147.24	35.66	38.71	3.05	3.10	102	106.98	108.81	1.63	1.80	110					
21	147.24	154.50	38.71	41.76	3.05	2.90	95	108.81	111.86	3.05	3.00	98					
22	154.50	161.73	41.76	44.81	3.05	2.83	93	111.86	114.91	3.05	3.05	100					
23	161.73	169.02	44.81	47.85	3.04	3.15	104	114.91	117.96	3.05	3.00	98					
24	169.02	176.08	47.,85	50.90	3.05	3.05	100	117.96	121.0	3.04	3.08	101					
			50.90	53.34	3.54	2.55	72	121.0	124.05	3.05	2.92	96					
			53.34	56.39	3.05	2.92	96	124.05	127.10	3.05	3.05	100					

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Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 2, 1987 DR17-86

Core Boxes

Core Recovery

Box No.	Interval (m) From	To	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %
25	176.08	183.34	175.87	178.92	3.05	3.05	100	245.67	248.72	3.05	3.09	101	322.47	325.47	2.75	0.90	33
26	183.34	190.51	178.92	181.96	3.04	3.14	103	248.72	251.92	3.20	3.00	94	325.22	328.27	3.05	3.10	102
27	190.51	197.51	181.96	185.01	3.05	3.00	98	251.92	255.12	3.20	3.05	95	328.27	331.32	3.05	3.05	100
28	197.51	204.67	185.01	188.06	3.05	3.08	100	255.12	258.16	3.04	3.02	99	331.32	334.36	3.04	3.15	104
29	204.67	211.83	188.06	191.11	3.05	3.10	102	258.16	261.21	3.05	3.05	100	334.36	337.41	3.05	2.97	97
30	211.83	219.00	191.11	193.55	2.44	2.50	102	261.21	264.26	3.05	2.95	97	337.41	340.46	3.05	3.00	98
31	219.00	226.38	193.55	195.99	2.44	2.30	94	264.26	267.31	3.05	3.05	100	340.46	343.51	3.05	3.00	98
32	226.38	233.58	195.99	199.03	3.04	3.04	100	267.31	270.05	2.74	2.70	98	343.51	344.88	1.37	1.24	90
33	233.58	240.34	199.03	202.08	3.05	3.05	100	270.05	273.10	3.05	3.20	105	344.88	347.78	2.90	3.00	103
34	240.34	247.73	202.08	205.13	3.05	3.00	98	273.10	276.30	3.20	3.10	97	347.78	350.21	2.43	2.45	101
35	247.43	254.55	205.13	208.18	3.05	3.05	100	276.30	279.50	3.20	3.10	97	350.21	352.65	2.24	2.30	103
36	254.55	261.65	208.18	211.23	3.05	3.05	100	279.50	282.55	3.05	3.08	101	352.65	355.55	2.90	3.00	103
37	261.65	268.70	211.23	214.27	3.04	3.00	98	282.55	285.6	3.05	3.09	101	355.55	358.60	3.05	3.10	102
38	268.70	275.85	214.27	215.49	1.22	1.20	98	285.6	288.64	3.04	3.05	100	358.58	360.58	1.98	1.85	95
39	275.85	283.03	215.49	218.54	3.05	3.04	100	288.64	291.69	3.05	3.00	98					
40	283.03	290.30	218.54	221.59	3.05	3.05	100	291.69	294.74	3.05	3.02	99					
41	290.30	297.79	221.59	224.64	3.05	2.95	97	294.74	297.79	3.05	2.80	92					
42	297.79	304.71	224.64	227.68	3.04	3.06	101	297.79	300.84	3.05	3.17	104					
43	304.71	311.78	227.68	230.73	3.05	2.86	94	300.84	303.88	3.04	3.05	100					
44	311.78	319.08	230.73	233.78	3.05	3.07	101	303.88	306.93	3.05	2.95	97					
45	319.08	327.67	233.78	236.83	3.05	3.10	102	306.93	309.98	3.05	3.08	101					
46	327.67	334.70	236.83	238.81	2.02	2.10	104	309.98	313.03	3.05	3.04	100					
47	334.70	341.89	238.81	239.88	1.07	1.70	159	313.03	315.92	2.89	2.90	100					
48	341.89	349.12	239.88	242.16	2.28	2.25	99	315.92	319.10	3.18	2.98	94					
49	349.12	356.20	242.16	42.62	0.46	0.40	87	319.10	322.17	3.07	3.05	99					
50	356.20	363.20	242.62	245.67	3.05	3.07	101	322.17	322.47	0.30	0.25	83					

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 2, 1987 DR17-86

Core Boxes

Core Recovery

Box No.	Interval (m) From	To	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %
51	363.20	370.42	360.58	363.63	3.05	3.00	98	425.8	428.9	3.01	3.05	101	493.17	495.0	1.83	1.93	105
52	370.42	370.94	363.63	366.67	3.04	2.70	89	428.9	431.9	3.00	2.97	99	495.0	496.21	1.21	1.20	100
53	370.94	378.15	366.67	369.72	3.05	3.00	98	431.9	435.0	3.10	2.83	91	496.21	498.04	2.83	2.00	71
54	378.15	385.48	369.72	370.94	1.22	1.30	107	435.0	437.1	2.10	2.0	95	498.04	501.09	3.05	3.08	101
55	385.48	392.58	370.94	374.00	3.06	3.00	98	437.1	439.8	2.70	2.75	102	501.09	504.14	3.05	3.10	102
56	392.53	399.70	374.00	377.04	3.04	3.05	100	439.8	442.9	3.10	3.10	100	504.14	506.58	2.44	2.30	94
57	399.70	406.95	377.04	380.08	3.04	3.05	100	442.9	446.5	3.60	2.95	82	506.58	509.93	3.35	3.50	105
58	406.95	413.96	380.08	383.13	3.05	2.93	96	446.5	449.0	3.50	3.10	89	509.93	510.23	0.30	0.30	100
59	413.96	420.9	383.13	386.20	3.07	3.15	103	449.0	451.26	2.26	2.05	91	510.23	511.30	1.07	1.09	102
60	420.9	428.07	386.20	389.20	3.00	2.90	97	451.26	452.0	0.74	0.90	121	511.30	512.1	0.80	0.83	104
61	428.02	435.49	389.20	392.30	3.10	3.10	100	452.0	454.76	2.76	2.72	98	512.1	515.1	3.10	3.02	97
62	435.49	442.5	392.30	395.02	2.72	2.55	93	454.76	456.76	1.98	1.95	98	515.1	516.94	1.84	1.78	97
63	442.5	449.0	395.02	398.10	3.08	3.05	99	456.74	457.5	0.76	0.88	116	516.94	520.0	3.06	3.08	101
64	449.0	456.2	398.10	401.12	3.02	3.10	103	457.5	460.1	2.50	2.15	83	520.0	523.2	3.20	3.14	98
65	456.2	464.1	401.12	404.32	3.20	3.08	96	460.1	461.77	1.67	2.00	120	523.2	526.39	3.29	3.10	94
66	464.41	470.47	404.32	407.30	3.08	3.15	102	461.77	464.82	3.05	3.00	98	526.39	528.52	2.13	2.20	103
67	470.47	477.0	407.30	410.12	2.82	2.70	96	464.82	467.87	3.05	2.96	97					
68	477.0	484.07	410.12	411.48	1.36	1.25	92	467.87	470.92	3.05	3.08	101					
69	484.04	491.45	411.48	412.55	1.07	1.10	103	470.92	473.96	3.04	2.97	98					
70	491.45	498.18	412.55	413.61	1.06	0.90	85	473.96	477.0	3.04	2.96	97					
71	498.18	505.17	413.61	414.37	1.66	0.50	30	477.0	480.1	3.10	3.10	100					
72	505.17	511.72	414.37	415.44	1.07	1.20	112	480.1	483.1	3.0	3.05	102					
			415.44	418.49	3.05	3.08	101										
73	511.72	518.87	418.49	419.71	1.22	1.18	97	483.1	486.0	2.90	2.80	96					
74	518.87	526.0	419.71	420.0	0.29	0.33	114	486.0	489.05	3.05	3.05	100					
75	526.0	528.5	420.0	422.76	2.76	2.84	103	489.05	491.95	2.90	2.85	98					
			422.76	425.8	3.04	3.08	101	491.95	493.17	1.22	0.90	94					

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 2, 1987 DR17-86

Core Boxes

Core Recovery

Box No.	Interval (m) From	To	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %
76	528.5	535.47	528.52	530.66	2.14	2.2	103	585.06	585.22	0.16	0.20	125					
77	535.47	542.73	530.66	532.5	1.84	1.8	98	585.22	587.65	2.43	2.26	93					
78	542.73	550.00	532.5	535.53	3.03	3.05	101	587.65	589.33	1.68	1.74	104					
79	550.00	557.27	535.53	538.58	3.05	2.95	97	589.33	591.46	2.13	1.98	93					
80	557.27	564.60	538.58	541.62	3.04	3.04	100	591.46	594.51	3.05	3.03	99					
81	564.40	571.56	541.62	544.67	3.05	3.05	100	594.51	597.71	3.20	3.11	97					
82	571.56	578.38	544.67	548.03	3.36	2.98	87	597.71	600.76	3.05	3.16	104					
83	578.38	585.37	548.03	550.77	2.74	3.22	117	600.76	602.76	1.83	1.92	105					
84	585.37	592.6	550.77	553.82	3.05	2.80	92	602.59	605.64	3.05	3.10	102					
85	592.6	599.9	553.82	556.87	3.05	2.95	97	605.64	608.69	3.05	3.00	98					
86	599.9	606.8	556.87	559.00	2.13	2.15	101	608.69	611.73	3.05	3.06	100					
87	606.8	611.73	559.00	559.92	0.92	0.95	103		608.07		598.48	98					
	EOH		559.92	561.29	1.37	1.08	79										
			561.29	562.97	1.66	1.85	111										
			562.97	566.01	3.04	3.07	101										
			566.01	569.06	3.05	3.00	95										
			569.06	572.11	3.05	3.04	100										
			572.11	573.02	0.91	0.82	90										
			573.02	575.16	2.14	2.30	107										
			575.16	576.07	0.91	0.77	85										
			576.07	576.99	0.92	1.02	111										
			576.99	578.20	1.21	1.23	102										
			578.20	579.73	1.53	1.50	98										
			579.73	581.25	1.52	1.53	101										
			581.25	584.3	3.05	3.03	99										
			584.3	585.06	0.76	0.80	105										

Regina Price

DR26-87

Co: WESTMIN RESOURCES LTD.
Project: DEBBIE
Length (m) : 388.9
Dip : -60
Azimuth : 270
Collar elev (m) : 881
Core size : BQ

Map Grid N : 6788
E : 10450
Field Grid : Regina
N : 3 + 93S
E : 0 + 11W

Date Drilled : Jan 16-21/87
Contractor : Coates
Logged by : G. Price
Date Logged : Jan 16-24/87

Survey Type	Depth	Dip	Azi
Pajari	6.1	-62	262
Pajari	326	-63	269
Pajari	387	-63	269

Objective/Comments: Test along strike from Old Regina workings, correlate w/ DR17-86. Hole lined w/PVC schedual 200 pipe, 1 1/2" diameter, bottom 640' perforated w/ 1/4" holes every 12" on both sides of the pipe.

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
0.3.66	Casing left in hole											
3.66-27.34	Mixed Bas Cg and fg xlt: dk gn sharp cts between cg T and fg T (dykes?); cg-heterolithic subround to subang lithics xtls?, <2mm, 25% dk blk-gn chl-rich frags, 20-30% paler gn ser-chl-rich frags 3.66-17.18: cg T (xlt T?) 17.18-18.16: vfg T (dyke ?) 18.16-19.53: cg T 19.53-19.96: vfg T 19.96-25.60: 80% cg T, 20% fg T 25.6-27.05: fg T 27.05-27.34: cg T total section x-cut by cal vns <2cm <1% total rx volume	wk pervasive carb, tr leucoxene, spotty stronger carb alt in cg T	3.66-11.43: broken core loc vuggy 19.76-22.76: broken core (mislatch)	GP-87-R26	11.89	13.56	1.65	Whole rock				
27.34-33.74	Plag P dyke: broken rx at ct, dk gn 20% euh to subh plag phenos, <8mm, 10-15% acicular hb needle alt'd to chl, <5mm; x-cut by cal vns, <3mm, <0.5% total rx volume. 33.44-33.74: crackle bx, 'fault'	wk perv carb alt 33.44-33.74: Fe oxide stained mod carb alt.										

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Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 16, 1987 DR26-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
33.74-41.16	Bas Cg T (xtl, lithic ??): dk gn, loc bleached, 30% dk blk gn chl-rich lithics/hb xlts? tuffaceous grainy matrix, xtl/lithics are ang to sub-ang, <3mm similar to top of hole.	wk perv carb alt, spotty leucoxene 37.88-38.45: 30% cal vns (<15cm) Fe oxide stained 38.45-38.69: Fe oxide stained 38.69-41.16: wk bleaching texture unclear	37.88-38.45: broken ground								
41.16-43.02	Faulted Plag P dyke: rusty 10-15% plag euh to subh phenos, <8mm; 10-15% acicular hb, <8mm; fault contained within dyke, lowest 5cm have no Fe stain.	mod carb alt, Fe oxide stained	41.16-41.36: fault gouge grainy 'cataclastic' fault at 15-25° (?) to CA, broken core 42.90-43.00: similar fault gouge fault at 70-90° to CA (?)								
43.02-47.70	Bas (?) lithic tuff: dk to med gy gn 15-25% subrounded to rounded lithics <3mm, darker than tuffaceous matrix 44.17-44.71: flow top brxx 44.71-47.70: 5% lapilli total section x-cut by cal vns <5mm, <0.5% total rx volume.	43.02-44.81: wk to mod bleaching (silicification) 44.81-47.70: dk gn	tr diss py vfg								
47.70-53.70	'Low K Rhy' (Keratophyre-Rhyodacite) brxx ct pale gy, obscure texture, 'crackle brxx', tuffaceous? xlt T (?); x-cut by cal vns, <3mm, <0.5% total rx volume.	bleached - silicified	1-3% vfg diss py	GP-87-R27 GP-87-R27	48.7 50.0	51.6	2.9	whole rock thin section			
53.7-64.99	Mg Bas T: xtl/lithic, dk gn msv bx cts, sharp, 10-15% lithics, subround <4mm, avg 0.5mm? x-cut by cal vns <2mm <0.5% total rx volume. 62.89-63.07: 'Low K Rhy' frag	wk chl	578.0-57.1: Fe stained, cal-alt'd 'fault' (no gouge) sharp cts at 55° to CA 57.1-58.27: crackle brxx								

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
			58.27-60.03: brxx and wk to mod shearing at 70-90° to CA								
64.99-68.61	'Low K Rhy" (Keratophyre-Rhyodacite) pale gy gn, obscure volc texture, tuffaceous? vfg?; upper ct is brxx lower ct is 'interfingered' w/underlying Bas T; x-cut by cal vns, < 5mm < 0.5% total rx volume.	bleached	tr to 4% vfg diss py 64.99-66.19: flow brxx 66.14-68.16: crackle brxx								
68.61-70.69	Bas xlt T: dk gn, anh xlt ghosts after hb and plag, ghosts locally preserved, <1mm, elongate/bedded at 70-90° to CA; x-cut by cal vns, < 4mm, <1% total rx volume.	wk chl	tr vfg diss py								
70.69-74.69	'Low K Rhy' (Keratophyre-Rhyodacite): gy gn, obscure volc texture - mixed crackle and flow brxx, flow bx ctg, local healing of brxx by cal.	bleached - silicified	tr diss py								
74.69-78.33	'And -Dac'? T: gy gn, vfg, only discernable texture is of 0.5mm fsp(?) microlaths 76.39-76.60: cg ? amyg, 30% round to subround cal-filled amygs(?) <4mm; section x-cut by cal vns, <4mm, <0.5% total rx volume.	spotty leucoxene		GP-87-R28 GP-87-R28	75.29 76.79	78.33	3.04	whole rock thin section				
78.33-81.51	'Low K Rhy' (Keratophyre-Rhyodacite): gy gn, obscure volcanic texture, tuffaceous?, x-cut by cal vns, <2cm,	bleached, silicifed(?)									

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Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 17, 1987 DR26-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	<0.5% total rx volume.										
81.51-91.31	Bas LAT: dk gn, msv, monolithic xtl T frags, 35% Aggl <12cm, subrounded diffuse boundaries, mixed flow brxx (60%), crackle brxx (20%) fg T (20%) 89.50-91.32: cg stl T w/ 15-20% lapilli, 20% subh plag, <3mm, alt'd to cal-ser total section x-cut by cal vns, <1cm, <0.5% total rx volume.										
91.32-97.00	Mixed vitric T and LT: 91.32-93.33: well preserved vitric tuff, dk gn, wk shard alignment/bedding 70-90° to CA 94.36-97.00: mixed qtz vn brxx (20%) and LT 'flow' brxx w/ vitric subround to subang frags total seciton x-cut by qtz(70%) cal(30%) vns, <6cm, <4% total rx volume.	wk bleaching	tr vfg diss py 93.86-94.36: crackle brxx								
97.00-101.36	'Low K Rhy' (Keratophyre-Rhyodacite): med gy gn mod to poorly preserved volc texture: vitric? xtl T, vfg, <2mm shards/frags/xtls?, aggl Bas? frags at base of section; x-cut by cal vns, <1mm, <0.5% total rx volume.	wk to mod bleaching spotty leucoxene	tr vfg diss py								
101.36-111.10	Bas T - LT: msv, dk gn, monolithic subrounded frags xtl T, 20% lapilli, <1.5cm, x-cut by qtz vns, <3cm (2-3 generations), <5% total rx volume.	wk ep chl									

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Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 17, 1987 DR26-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
111.10-112.64	Amyg Bas ALT: wkly sheared at 70° to CA, dk gn rounded to subrounded 'pillow' frags, avg size 2-3cm, well defined, x-cut by cal vns, <1cm, <1% total rx volume.	wk ep chl									
112.64-115.85	Bas LT - T: dk gn, msv, lithic? xtl? tuffaceous, unclear volcanic texture, sharp upper ct at 45° to CA, lower ct is brxx and obscure.	wk ep chl	tr vfg diss py								
115.85-119.98	Bas LT: dk gn, msv brxx, monolithic, subround to subang frags, obscure volc texture, diffuse frag boundaries (lithic frags?); x-cut by qtz(80%) cal(20%) vns, <1cm, <0.5% total rx volume, grades into sheared/ hyaloclastite underlying.		patchy tr diss py								
119.80-131.93	Rhy Hyaloclastite: banded at 35-75° to CA, vfg quenched flows (<0.5mm) replaced by ep-ser?, elongate welded shards devitrified, eplaced by qtz-cal, local good preservation of textures w/ poorly welded 'shards' up to 5mm; local post-dep. 'cataclastic' and ductile shearing w/ qtz boudins <1.5cm; local 0.5-1.0mm of clay-ser gouge on fault planes at 40-70° to CA.	wk ser qtz 122.70-123.30: mod qtz-cal-ser	119.80-122.70: poker chip broken ground tr-2% diss py-sporadic 122.70-123.30: 'cataclastite' of qtz>>cal, sheared vn brxx w/ 3% vfg diss py, tr espy(?) 124.77-125.42: broken ground 129.25-130.25: 3-5% vfg diss py welded tuff w/ 25% cataclastite w/ qtz "boundins" 131.93: 2mm clay-ser fault gouge at 65° to CA	2507 2508 2509	121.60 122.60 122.60 123.60 129.25 130.25	1.00 1.00 1.00	12 163 9	0.4 0.6 0.2	16 1041 13	84 55 61	79 67 58

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
131.93-138.00	Rhy T: vfg, 'equigranular' 1-2mm welded shards wk welding at 80° to CA; dk gn, 'flow' ct at 60° to CA; x-cut by cal vns, <0.5cm, <1% total rx volume.	wk perv carb										
138.00-141.58	Rhy Hyaloclastite/sheared(?): welded/ banded at 35° to CA, loc tectonic brxx, loc. preservation of wkly welded sheared <3mm long, hairline ep 'vns' where glass devitrified (vitrophyre) <3% cal/cal vns parallel to banding, and x-cutting banding.	wk loc bleaching (qtz-ser)	tr vfg diss py									
141.58-145.39	Mixed vfg vitric T and LT (flow brxx? w/ lapilli sized frags), mod to poorly preserved textures, Bas(?) flow brxx at upper and lower cts x-cut by cal vns (w/ hem stain), <2cm (brxx) <0.5% total rx volume, dk gn.		patchy diss py <1%	2510	141.58	142.58	1.00	15	0.5	8	91	77
				2511	142.58	143.56	0.98	19	0.6	7	9	86
				GP-87-R29	143.56	145.39	1.83	whole				
				GP-87-R29	143.94			thin section				
145.39-148.44	Heterolithic Bas LT - ALT: dk gn, (heterolithic? variable alt?) subang vitric clasts, 10% 6-10cm, w/ 0.5cm chill margins, pale ep gn; dk gn lapilli frags, feathery/ragged, tr elongate (3mm) euh xtls? w/ cal rxn rims; x-cut by cal vns <1cm, <0.5% total rx volume.		1-2% py in vns (<0.5cm, discontinous), and assoc in 'layers' w/ cal vn brxx	2512	147.44	148.44	1.00	34	1.4	15	175	64

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
148.44-159.41	Vitric T: sharp upper ct at 65° to CA, brxx lower ct; dk gn, msv, 20-60% subrounded to irregular shaped blk chl-rich 'shards + amygs', locally elongate/layered 148.44-155.53: loc wk shearing assoc w/ cal-qtz vn and vn brxx at 10-25° to CA 150.96: unconformity defined by ct of 'shards' elongate at 45° to CA, ct at 35°, msv T, thus interfingering cts, or overturned total section x-cut by cal bns, <1cm, <3% total rx volume.	148.44-155.53: mod chl wk ep-diopside(?)	148.44-155.53: 3-4% sporadically distributed py, assoc. w/ cal-qtz vns/brxx and diss tr diss chpy (153.44-154.44) 156.24-157.24: bleached qtz(?) vn brxx, tr fuchsite, tr chpy, 3-4% py	2513 2514 2515 2516 2517 2518 2519 2520	148.44 149.44 149.49 150.44 150.44 151.44 151.44 152.44 152.44 153.44 153.44 154.44 154.44 155.44 156.24 157.24	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	28 13 22 16 1 14 4 51	1.5 1.4 1.3 1.6 0.9 5.3 1.0 5.5	18 11 38 16 15 10 8 30	108 138 214 23 40 852 12 318	83 84 88 98 144 124 86 663
159.41-166.42	Bas(?) LT: flow brxx ct unclear, dk gn to bleached, subang to subrnd frags of vitric T(?) <3cm, avg 0.8cm, poor texture preservation 161.14-161.64: mottled equigranular cg (3-6mm) dyke/flow(?) 15-20% subh qtz, clu alt'd unclear v wk bleaching, med gn (amyg?) 163.67-164.01: vfg dk gy gn T frags section x-cut by cal(60%) qtz(40%) vns, <1cm, <0.5% total rx volume.	spotty leucoxene 160.48-161.14: bleached envelope to dyke 161.64-161.86: bleached envelope to dyke	3-4% patchy fg diss py	2521 2522 2523	162.67 163.67 163.67 164.67 164.67 165.67	1.00 1.00 1.00	36 18 5	6.5 6.2 3.1	4 4 2	42 216 45	6624 168 247
166.42-175.87	Mixed Bas(?) T and bleached?? (Low K Rhy) T: 166.42-168.33: bleached vfg xtl(?) T, 5-8% 1-3mm xtls/frags replaced by ser-chl 167.28-168.33: sharp 'alt' ct, darker		166.42-167.28: tr py 167.28-168.33: 5% py as matrix/vn	2524	167.28 168.33	1.05	3	0.9	2	6	59

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	gn, 'crackle' brxx 168.33-169.87: bleached vfg T (xtl/ vitric?) w/ poorly defined crackle brxx 169.87-170.63: sharp cts at 90° to CA, fg (<1mm) lithic/xtl T, tuffaceous, med-dk gn		to brxx, tr chpy 168.33-169.87: tr vfg diss py	2525	168.33 169.33	1.00	3	2.7	2	253	159
	170.63-172.07: 'hyaloclastite' dk gn, internal ct at 90° to CA 172.07-173.10: bleached vfg T upper ct at 90° to CA, lower ct at 35° to CA (w/ slickensides)		173.63-172.07: 5-8% py, tr chpy, conc in top of 'flows'	2526	170.63 172.07	1.44	1	0.6	5	237	98
	173.10-175.87: dk gn vitric T, locally sheared at 45° to CA. total section x-cut by cal vns, sporadic distribution, <1cm, <0.5% total rx volume.		173.92-175.87: 3-4% py conc in discontinous vns on shears, assoc w/ tr chpy	2527 2528	173.92 174.92 174.92 175.87	1.00 0.95	3 1	1.2 0.9	7 10	784 645	105 147
175.87-181.15	Wk bleached LT: msv, md gy gn, monolithic brxx, frags <2cm, avg 0.8-1.5cm, ang to subang, diffuse boundaries, rx unclear and poorly preserved (amyg/vitric??), x-cut by hairline - 1.0mm cal vns, <0.5% total rx volume, x-cut by qtz-chalcedony(?) vns, ,5mm, <1% total rx volume.	wk qtz-ser?	2-3% evenly distributed vfg diss py								
181.15-200.52	Wk bleached ALT (Bas ?): msv, med gy gn, wk loc shearing at 70-90° to CA, 10-15% ang to subang frags <15cm, internal texture unclear (xtls/shards? <0.5mm); 20-50% lapilli size frags 181.15-181.97: banded/sheared - fault? ct, banded 'hyaloclastite' at	wk ser-qtz?	tr vfg diss py	GP-87-R30	188.06 192.18	4.12	whole rock				

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	70-90° to CA 181.97-183.67: wk shearing at ALT 183.67-186.95: Bas dyke, fg, (1mm) equigranular, dk gy, subh xtls ghosts of plag (alt'd to cal) and euh 'hb' ghosts (alt'd to chl); sharp cts w/ chill margins, upper 50° to CA, lower 65° to CA total section x-cut by qtz(70%) cal(30%) vns, <8mm, <1% total rx volume.	183.57-186.95: wk perv cal									
200.52-214.50	Mixed Bleached - wkly bleached vfg 'vitric' T (Bas Low K Rhy???): sharp upper ct at 60° to CA 200.52-201.49: med matte gn welded T, shards <2% visable, <2cm (avg <0.5mm) 201.49-202.67: dk gn T, welded at 90° to CA, lower ct at 65° to CA 202.67-204.23: wk to mod bleached welded T, brxx and fault go at lower ct at 70° to CA 204.23-206.60: dk gn to med matte gn wkly welded T lower ct is qtz in brxx at 70° to CA 206.60-214.50: mod bleached 'hyaloclatite' - vitric T, texture obscure, loc flow brxx, welded lower ct at 55° to CA. 'alt ct'? :total section x-cut by qtz vns, <1cm, <0.5% total rx volume.	wk ser-qtz?	tr to nil vfg diss py	GP-87-R31 GP-87-R31	202.67 204.23 203.35	1.56	whole rock thin section				

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
214.50-233.51	Amyg 'Bas' + hyaloclastite: med to dk gn gy, loc flow brxx, predominantly amygs, qtz/chl filled, 1-3mm, rounded; loc welded T; x-cut by qtz(80%) cal(20%) vns, <15cm, <3% total rx volume; loc shearing (welding?) at 65° to CA	tr jasper	tr vfg diss py in 'bands'								
	233.19-233.51: jasper(65%) - qtz(25%)-py(15%) brxx, tr cal, sharp cts			2529	223.19 223.51	0.32	525	3.4	274	512	25
223.51-243.16	Bas amyg ALT (pillow brxx): msv, dk gn, well defined pale gn 'pillows' (<15cm) w/ blk chl matrix; 60% pillow 40% matrix	wk to mod chl (blk) w/ tr fuchsite(?) assoc w/ qtz vns									
	228.00-233.56: Plag P dyke, 25% euh to subh plag, 2-5mm; 0.5mm acicular hb needles (15%?) gn fg matrix total section x-cut by qtz vns, <10cm, <1% total rx volume	228.00-233.56: wk perv cal	233.56-233.59: clayey gn fault go, ct at 50° to CA 230.41-238.32: broken ground 230.81: clayey fault go (0.5cm) at 70° to CA								
			238.58-244.58: 3-4% fg and vnlt py (1% qtz vn) 240.77-240.79: 'sandy' fault go	2530 2531	238.58 239.58 239.58 240.58	1.00 1.00	255 62	2.0 0.6	2489 905	114 88	60 62
243.16-256.70	Bas-And?: fg xtls(?) T (<0.5mm), loc graded bedding, sections up to 30cm of plag-rich rx (65-75% 1-3mm subh xtls)	tr spotty leucoxene	tr vfg diss py 247.08-247.28: qtz(95%) cal(5%) vn w/ tr py, aspy?, chpy	2532 GP-87-R32 GP-87-R32	247.00 247.50 248.26 250.37 249.48	0.50 2.11	33 whole rock thin section	0.3	193	20	59
	254.03-256.70: cg plag-rich (amygs?) eug to subh, 80% plag total section x-cut by qtz vns, <5cm, <2% total rx volume.	252.21-254.03: wk to mod bleaching (qtz-ser?) 256.70-257.77: wk to mod bleaching, obscure volc texture	253.63-254.03: 4% py as vnlts and diss "footwall" to 5cm wide qtz vn	2533	253.63 254.03	0.60	57	0.6	14	114	92

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
256.70-264.77	And-Rhy?: lithic? LT: dk gn, msv, 5-8% subround dk gn 'lithics', <7mm, 20% are 1-3mm, matrix is vfg (vitric?); upper ct sheared at 15° to CA and bleached over 30cm, sharp lower ct at 70° to CA.	spotty leucoxene	tr vfg diss py								
264.77-328.40	Bas LAT: dk gn, msv (increase in scoria % w/ depth?); 15-30% agglomerate (scoria) <15cm, amyg, subang to subround, well defined boundaries, blk chl matrix, cal-chl-filled vesicles; w/ increasing depth, scoria loses well defined boundaries (aprx 318.00m).	264.77-278.63: wk chl, ep	264.77-278.63: tr diss py, patchy								
			279.87-281.87: 5-15% vfg py diss	2534	279.87	280.87 1.00	175	3.1	3099	116	65
		278.63-284.64: v wk bleaching assoc w/ qtz vns (<20cm, <8% total rx volume)	in envelopes to qtz vns, as rims to lapilli, an shear planes, diss throughout	2535	280.87	281.87 1.00	12	0.3	360	71	101
			282.50-284.74: 40% qtz vn/vn brxx	2536	282.50	283.50 1.00	97	3.9	2175	182	109
			w/ 3-5% diss py, tr aspy needles on shear plane in qtz vn	2537	283.50	284.74 1.24	52	0.7	1316	71	61
		284.64-309.78: wk to mod ep-chl	290.29-296.04: qtz vn (50%) and envelope (50%), 10-15% vfg diss py in envelope								
			295.04-296.04: 3.5cm wide qtz vn, w/ 2-3% sporadic py in sheare and diss in envelope, tr aspy?	2538	295.04	296.04 1.00	33	8.1	310	1106	1221
		306.09-306.94: 0.5% hem assoc w/ cal vns									
		309.78-312.71: wk to mod bleaching (qtz-ser) as envelope to 2 qtz vns <12cm, and ankerite-qtz vn brxx	309.78-312.71: 3-5% vfg diss py, aspy needles (tr) in qtz vns	2539	309.78	310.78 1.00	450	68.9	2095	630	178
				2540	310.78	311.78 1.00	17	1.0	314	472	168
				2541	311.78	312.78 1.00	3	0.2	14	56	124
				2542	312.78	313.78 1.00	2	0.5	28	179	199
		313.53-313.88: 5%(?) ankerite vns and vn brxx fuchsite(?)	313.53-313.88: 3-5% vfg diss py, tr chpy								
		515.54-316.24: tr hem assoc w/ vns									

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
		316.48-328.40: mod to strong ep (+ diopside?) alt of scoria									
			317.59-322.78: tr-0.5% py as 'layers' (70-90° to CA) assoc w/ qtz vns, and diss; tr chpy in vnlts, diss and assoc w/ qtz vns (<1% qtz vns)	2543	317.59 318.59	1.00	1	0.5	11	1226	375
				2544	318.59 319.59	1.00	1	0.2	5	415	876
				2545	319.59 320.59	1.00	8	0.9	14	1783	1927
				2546	320.59 321.59	1.00	2	0.2	8	196	226
				2547	321.59 322.89	1.30	6	0.1	9	314	226
			322.78-328.40: tr sporadic py								
328.40-347.24	Bas LT: amyg, gradational ct defined by decrease in amount of agglomerate (to <5%, <70mm), mod to poorly preserved volc textures, patches of qtz-filled amygs (<7mm, avg 0.5-1mm), diffuse, ragged frag boundaries, subround, med to dk gn; bimodal-15% cal-alt'd amyg frags, 85% vari-coloured chl-cal-qtz-ser alt'd frags 340.39-342.50: strongly sheared at 90° to CA (Bas I)	wk to mod ep chl	328.40-341.60: tr-1% fg py, sporadic dist, tr chpy as vnlts and diss assoc w/ py								
			329.80-330.30: 0.5% chpy as vnlts assoc w/ cal	2548	329.80 330.30	0.50	1	0.6	13	1133	2428
			337.41-340.41: wkly bleached envelope around qtz vns (3cm), 8% vfg diss py, aspy(?) as sheared vn selvage	2549	337.41 338.41	1.00	4	0.6	156	245	877
				2550	338.41 339.41	1.00	1	0.1	14	147	471
				2551	339.41 340.41	1.00	1	0.5	146	145	387
	342.50-343.50: wkly sheared, vn x-cut (post dates) shearing total section x-cut by qtz vns (as described w/ mineralization) and >3cm, cal vns, <2% total rx volume.	342.50-343.50: wk to mod qtz-ser-cal-fuchsite(?)	342.50-343.50: bleached envelope around 5cm + 2cm qtz vn 5-8% vfg diss py, tr aspy(?) as vn selvage	2552	342.50 343.50	1.00	73	2.2	1080	68	142
		343.50-344.16: strong blk chl alt	343.50-344.67: 6cm qtz vn + envelope, py, aspy	2553	343.50 344.67	1.17	55	1.0	308	545	189
		344.16-344.67: wk to mod bleaching (qtz-ser-cal-fuchsite)									
		345.56-346.56: similar bleaching of "footwall"	345.56-346.56: 1cm + 6cm qtz vn, py, aspy	2554	354.56 346.56	1.00	20	0.9	218	1317	224

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
347.24-356.39	Heterolithic Bas TL Brxx: msv, dk gn, angular frags; amyg 'mauve'-gn, lithic dk gn, pale gn ep-rich, and gradations between ep-rich and dk gn chl-rich; fragment supported (80% lapilli frags, 15% tuff-sized frags, 5% vfg matrix)		tr-1% fg py w/ sporadic distribution								
	352.35-353.25: frags are rounded-flow brxx										
	353.25-354.25: original volc text, destroyed		353.25-354.25: sheared cal-qtz vn brxx, 25-30% py, tr chpy (sph, aspy??)	2555	353.25 354.25	1.00	14	0.2	14	24	72
	354.25-356.39: increase in frag size to avg of 4cm, to monolithic gy gn 'pillow' frags										
	total section x-cut by cal vns, <6mm, <1% total rx volume.										
356.39-388.92 EOH	Monolithic Bas ALT - LT w/ local T: dk gn, amyg (3mm); 10-20% subrnd to rnd agglomerate frags replaced by ep-chl, well defined boundaries	wk ep chl	356.39-367.50: tr-1% diss py sporadic distribution								
	364.88-365.00: Plag-Hb dyke, sharp cts at 40° to CA w. graphite-rich brxx (1cm)	365.00-367.50: broken ground qtz-cal vn brxx									
	:local wk shearing at 35-55° to CA; total secton x-cut by cal vns, <2cm <1% total rx volume		376.23-377.23: cal-qtz vn brxx w/ graphite/py matrix (1-3% py) 383.36: 2mm of clayey go at 35° to CA	2556	376.23 377.23	1.00	21	0.2	176	89	78
				GP-87-R33	385.87 388.92	3.05	whole rock				

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Core Boxes

Core Recovery

Box No.	Interval (m)		Interval (m)		Core Lgth	Amount Present	Recovery %	Interval (m)		Core Lgth	Amount Present	Recovery %	Interval (m)		Core Lgth	Amount Present	Recovery %
	From	To	From	To				From	To				From	To			
1	3.66	13.56	3.66	4.88	1.22	0.85	70	57.00	60.05	3.05	2.97	97	127.10	130.15	3.05	3.02	99
2	13.56	22.48	4.88	7.46	2.58	1.35	52	60.05	63.09	3.04	3.00	99	130.15	133.20	3.05	3.03	99
3	22.48	29.49	7.46	9.14	1.68	0.40	24	63.09	66.14	3.05	3.02	99	133.20	136.25	3.05	3.07	101
4	29.49	37.03	9.14	10.67	1.53	0.80	52	66.14	59.19	3.05	3.00	98	136.25	139.29	3.04	3.01	99
5	37.03	44.51	10.67	11.43	0.69	0.45	47	69.19	72.24	3.05	3.00	98	139.29	142.34	3.05	3.02	99
6	44.51	51.60	11.43	13.56	2.13	1.90	89	72.24	75.29	3.05	3.13	103	142.34	143.56	1.22	1.26	103
7	51.60	58.47	13.56	14.48	0.92	0.75	82	75.29	78.33	3.05	3.00	98	143.56	145.39	1.83	1.75	96
8	58.47	65.92	14.48	17.68	3.20	2.70	84	78.33	81.38	3.05	3.05	100	145.39	148.44	3.05	3.00	98
9	65.92	78.29	17.68	19.96	2.28	1.50	66	81.38	84.43	3.05	2.98	98	148.44	151.49	3.05	3.05	100
10	78.29	80.50	19.96	21.34	1.38	1.15	83	84.43	86.87	2.44	2.40	98	151.49	152.55	1.06	1.05	99
11	80.50	87.42	21.34	22.55	1.21	0.40	33	86.87	89.92	3.05	2.98	98	152.55	154.53	1.98	1.97	99
12	87.42	94.95	22.55	23.16	0.60	0.40	66	89.92	92.96	3.04	3.05	100	154.53	157.43	2.90	2.90	100
13	94.95	101.74	23.16	25.30	2.14	2.13	100	92.96	96.16	3.20	3.25	102	157.43	160.48	3.05	3.10	101
14	101.74	108.97	25.30	28.04	3.34	2.43	73	96.16	99.06	2.90	3.00	103	160.48	163.37	2.89	2.71	94
15	108.97	116.21	28.04	31.24	3.20	3.12	98	99.06	102.44	3.38	3.28	97	163.37	166.42	3.05	3.10	101
16	116.21	123.47	31.24	34.44	3.20	2.88	90	102.41	103.17	0.76	0.85	112	166.42	169.47	3.05	3.08	101
17	123.47	130.25	34.44	36.27	1.83	1.50	82	103.17	105.76	2.59	2.55	98	169.47	172.52	3.05	3.08	101
18	130.25	137.26	36.27	38.71	2.44	2.10	86	105.76	108.81	3.05	3.02	99	172.52	174.04	1.52	1.58	104
19	137.26	144.36	38.71	41.76	3.05	2.95	97	108.81	111.86	3.05	3.01	99	174.04	175.87	1.83	1.62	88
20	144.36	151.59	41.76	44.81	3.05	3.15	103	111.86	114.91	3.05	3.10	102	175.87	178.92	3.05	3.00	98
21	151.59	158.39	44.81	47.55	3.04	2.73	90	114.91	117.96	3.05	3.07	101					
22	158.39	164.01	47.55	50.60	3.05	3.13	103	117.96	121.00	3.04	2.86	94					
23	164.01	172.52	50.60	52.12	1.52	1.60	105	121.00	124.05	3.05	3.02	99					
24	172.52	179.80	52.17	53.95	1.83	1.88	103	124.05	124.97	0.92	0.92	100					
25	179.80	186.88	53.95	55.79	1.64	1.78	108	124.97	125.42	0.45	0.27	60					
26	186.88	193.95	55.79	57.0	1.21	1.19	98	125.42	127.10	1.68	1.69	100					

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 16, 1987 DR26-87

Core Boxes

Core Recovery

Box No.	Interval (m) From	To	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %
27	193.95	201.24	178.92	181.97	3.05	2.98	98						251.31	254.51	3.20	3.00	94
28	201.24	208.42	181.97	185.01	3.04	3.02	99						254.51	257.56	3.05	3.09	101
29	208.42	215.63	185.01	188.06	3.05	3.12	102						257.56	260.60	3.04	3.07	101
30	215.63	22.74	188.06	188.98	0.92	0.77	84						260.60	263.80	3.20	3.06	96
31	222.74	230.41	188.98	192.18	3.20	3.12	97						263.80	267.00	3.20	3.07	96
32	230.41	236.59	192.18	195.38	3.20	3.12	97						267.00	270.05	3.05	3.07	101
33	230.41	243.34	195.38	198.42	3.04	3.09	102						270.05	273.25	3.20	3.23	101
34	243.34	250.37	198.42	201.47	2.99	2.96	99						273.25	276.30	3.05	3.00	98
35	250.37	257.50	201.47	204.67	3.20	3.17	99						276.30	279.50	3.20	3.19	100
36	257.50	264.59	204.67	207.72	3.05	2.98	98						279.50	282.10	2.60	2.53	97
37	264.59	271.85	207.72	210.77	3.05	3.03	99						282.10	285.14	3.04	3.02	99
38	271.85	279.03	210.77	213.97	3.20	3.18	99						285.14	288.19	3.05	3.00	98
39	279.03	286.00	213.97	217.02	3.05	3.10	102						288.19	291.39	3.20	3.29	103
40	286.00	293.07	217.02	220.07	3.05	3.03	99						291.39	294.44	3.05	3.00	98
41	293.07	300.34	220.07	223.11	3.04	3.06	101						294.44	297.63	3.19	3.15	99
42	300.34	307.48	223.11	226.31	3.20	3.14	98						297.63	300.84	3.21	3.10	97
43	307.48	314.54	226.21	229.51	3.20	3.00	94						300.84	303.89	3.05	3.01	99
44	314.54	321.88	229.51	232.71	3.20	3.18	99						303.89	306.93	3.04	3.00	99
45	321.88	328.83	232.71	235.76	3.05	2.95	97						306.93	309.98	3.05	2.95	97
46	328.83	336.09	235.76	238.20	2.44	2.38	97						309.86	313.03	3.05	3.04	100
47	336.09	343.24	238.20	239.88	1.68	1.74	104										
			239.88	240.79	0.91	0.83	91										
			240.79	242.16	1.37	1.36	99										
			242.16	245.21	3.05	3.05	100										
			245.21	248.26	3.05	3.07	101										
			248.26	251.31	3.05	3.11	102										

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 16, 1987 DR26-87

Core Boxes

Box No.	Interval (m) From	To
48	343.24	350.33
49	350.33	357.39
50	357.39	364.33
51	364.23	371.56
52	371.56	378.97
53	378.97	38635
54	386.36	388.92
		EOH

Core Recovery

Interval (m) From	To	Core Lgth	Amount Present	Recovery %
313.03	316.08	3.05	2.96	97
316.08	319.13	3.05	3.11	102
319.13	322.17	3.04	3.05	100
322.17	323.09	0.92	1.00	109
323.09	324.46	1.37	1.28	93
324.46	327.66	3.20	3.01	94
327.66	330.71	3.05	3.03	99
330.71	333.91	3.20	3.12	97
333.91	336.80	2.89	2.90	100
336.80	337.41	0.61	0.73	120
337.41	340.46	3.05	3.05	100
340.46	343.51	3.05	3.05	100
343.51	346.51	3.05	3.0	98
346.56	349.61	3.05	2.95	97
349.61	349.91	0.30	0.35	117
349.91	352.65	2.74	2.83	103
352.65	354.79	2.14	2.05	96
354.79	357.83	3.04	3.10	102
357.83	360.88	3.05	3.05	100
360.88	363.93	3.05	3.05	100
363.93	368.50	3.57	2.90	81
368.50	370.18	1.68	3.00	18
370.18	373.38	3.20	3.10	97
373.28	376.43	3.05	3.08	101
376.38	379.63	3.20	3.05	95
379.63	382.68	3.50	3.05	100
383.68	385.87	3.19	3.10	97
385.87	38.92	3.05	3.03	99
		385.26	375.8	97

Bronzia Pini

DR31-87

Co: WESTMIN RESOURCES LTD.
Project: DEBBIE
Length (m) : 172.5
Dip : -55
Azimuth : 060°
Collar elev (m) : 920
Core size : BQ

Map Grid N : 6525
E : 10947
Field Grid : Regina
N : 8 + 60S
E : 3 + 25E

Date Drilled : Jan. 22-24/87
Contractor : Coates
Logged by : G. Price
Date Logged : Jan.24-27.87

Survey Type	Depth	Dip	Azi
Transit	0	-	061°
Pajari	147	-56°	-
Pajari	171	-56°	-

Objective/Comments: IP anomaly, exhalitive - mafic volcanic ct, Au assoc w/ jasper in trenches; casing knocked over by cat.

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
0.0-9.14	Casing left in hole											
9.14-33.0	Amgy Bas (mixed lithologies-unclear); dk gn, pillow brxx (?) w/ pale blue gn cherty-carb interstices (<15cm), pillow cts vague, <20cm?? loc blk-gn hyaloclastic, loc hem (J)? replacement ? of pillows/interstices assoc w/ calcite, tr hem (J) assoc w/ hyaloclastic (ie. 28.55m); pillow boundaries (where seen) are rimmed w/ pale gn 'clay' 26.40-33.0: mixed hyaloclastite and vfg vitric T (?) 30.15-30.16: layer of vfg jasper-bearing clastic ct at 90° to CA total section x-cut by cal vns, <2cm, <2% total rx volume.	9.14-16.77: mod carb alt (<5%)	tr vfg diss py-sporadic distribution 9.14-13.91: broken core 16.12-25.9: broken core 26.40: 3mm sandy > clayey fault go 30.26-30.36: vuggy brxx healed w/ jasper and cal									
33.0-34.45	Qtz vn: upper alt ct 65° to CA (?) lower alt ct at 45° to CA.		33.0-33.25: brxx mixed lt brown clayey frags and siliceous frags 33.25-33.35: pale brn-pink clayey x-cut by diclcite vnlts 33.35-33.51: vuggy pale blue gn qtz (+5% carb)	2557 2558	33.0 34.0	34.0 35.0	1.0 1.0	0.001 0.001	0.8 0.1	79 8	29 38	77 75

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From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au oz/T	Ag ppm	As ppm	Cu ppm	Zn ppm
			33.51-33.66: strong goethite carb alt 33.66-33.79: vuggy qtz vn 33.79-34.00: strong goethite carb alt 34.00-34.45: 'matte' qtz vns w/ wk bleaching									
34.45-68.89	Fg amyg Bas w/ local pillows, and hyaloclastite envelopes: dk gn, (15% hyaloclastite, 85% amyg) 1-2% hem stained cal pillow interstices x-cut by cal vns <0.5cm, <2% total rx volume; greater % lg (2mm) hem-stained cal amygs uphole in pillows indicates right side up, pillows <1.5m 60.34-68.89: 8-10% chert (10cm thick) as pillow cts w/ hyaloclastite (<1cm) envelope, loc shearing.	perv wk to mod carb patchy wk ep	35.18-35.63: broken ground 37.19-37.39: tr chpy assoc. w/ cal jasper pillow selvage envelope	2559	37.19	37.69	0.5	0.001	0.1	3	59	90
			63.8-64.8: tr py assoc w/ 4cm thick qtz vn (50° to CA)	2560	63.8	64.8	1.0	0.001	0.7	57	48	82
68.89-90.37	Hem-stained fg amyg pillow Bas: 68.89-69.49: mod to strong 'purple' stain (pervasive) gradational increase in 'purple' stain over 20cm at base 70.90-71.00: jasper x-cut (crackle brxx) by cal vns bound on both sides (1cm) by hem stained vitric T (?) welded/sheared 71.0-73.59: dk gn mixed amyg Bas and vitric T (w/ weak welding - eutaxitic?) 73.59-73.85: hem stained w/ 3cm thick rounded non-hem stained frag interstitial.	patchy but perv carb alt		GP-87-R34	56.70	59.34	3.04	Whole rock				
				2561	70.37	71.37	1.0	0.001	0.1	8	54	91

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 23, 1987 DR31-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au oz/T	Ag ppm	As ppm	Cu ppm	Zn ppm
	73.85-90.37: 25% hem stained, <1% jasper, 5% cherty pillow interstices diminishing % hem w/ depth.			2562	84.12	85.12	1.0	0.001	0.1	5	31	55
90.37-121.7	Amyg pillow Bas: dk gn, pillows <80cm, 5% hem stained cal amgys <0.5cm, 2% blk chl filled amygs; loc sections of ep-chl replacement of microliths??(plag?? <0.5mm), aprx 20% microliths; x-cut by cal vns, <5cm <1% total rx volume, x-cut by qtz vns, <5cm <0.5% total rx volume	wk ep-chl	tr vfg diss py									
		104.8-106.16: hem (20%) cal (10%) - qtz (5%)	105.49-105.52: fault go? 5-10° to CA	2563	104.0	105.0	1.0	0.001	0.7	13	59	59
				2564	105.0	106.16	1.16	0.001	0.6	36	56	52
	112.56-117.0: 3-4% chert as pillow interstices (<10cm).											
121.7-123.4	Amgy Bas flow: dk purple, msv, <10% amygs, rounded <5mm dk blk chl-filled 20-40% feathery shard replacement <4mm acicular cts unclear.	perv mod strng carb		GP-87-R35	121.7	123.4	1.7	Whole rock				
				GP-87-R35	122.65			thin section				
123.4-128.6	Amgy bas (flow?) dk gn msv, <15% 1-5mm amygs, blk chl-filled and hem-cal filled, loc hyaloclastic; x-cut by qtz (70%) cle (30%) vns, <15cm (no alt envelopes), <3% total rx volume.	wk ep-chl										
128.6-135.44	Mixed amyg Bas and vitric Bas T: 40% hem-rich loc hyaloclastic pillowed; 128.6-130.64: wk to med shearing at 50° to CA	where hem rich have mod to strng carb alt										

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 23, 1987 DR31-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au oz/T	Ag ppm	As ppm	Cu ppm	Zn ppm
	131.24-131.34: jasper w/sharp planar upper ct at 90° to CA, brxx lower ct x-cut by cal vns <1cm <2% total rx volume.		133.55: 0.5cm of clay >> sand go, fault at 85° to CA								
135.44-143.44	Mixed vitric/amyg 'Alt'd Basalt T': med to pale gn, msv w/ loc hyalo-clastic, x-cut by cal-qtz vns, <5cm <2% total rx volume.	mod - strong cal w/ loc wk ep (perv) 138.94-141.74: wk bleaching as envelopes to qtz-cal vns (bound by hyalo-clastite)		2565	138.94 139.94	1.0	0.001	0.2	2	53	65
				2566	139.94 140.94	1.0	0.001	0.2	2	59	77
				2567	140.94 142.04	1.10	0.001	0.1	4	49	82
				GP-87-R36	142.04 143.44	1.40	Whole rock				
				GP-87-R36	142.24		thin section				
143.44-151.00	Textonic/vn brxx amyg 'Altd' Basalt T: bleached gn; 40% amyg frags, 60% cal vns boundins, 'pillow interstices'? amyg replacements; sharp upper and lower cts 60-90° to CA (unclear); frags ang to subang 15% aggl, 85% lapilli (AL) locally sheared.	perv strong carb (tr ankerite tr fuchsite)	tr diss py aspy??	2568	143.44 144.44	1.0	0.001	0.1	3	15	107
				2569	144.44 145.44	1.0	0.001	0.1	3	9	192
				2570	145.44 146.44	1.0	0.001	0.2	2	14	198
				2571	146.44 147.44	1.0	0.001	0.1	3	11	160
				2572	147.44 148.44	1.0	3	0.1	13	46	160
				2573	148.44 149.44	1.0	2	0.2	7	65	155
				2574	149.44 151.00	1.56	1	0.4	16	68	159
151.0-152.18	Vitric 'Alt'd Basalt T': med gn, vfg tuffaceous, <0.5% amygs, x-cut by cal vns, <4mm, <1% total rx volume sharp cts, upper sheared at 90° to CA, lower sheared at 70° to CA.	perv mod to strong carb alt (cal)	tr sporadic py								
				GP-87-R37	151.18 152.18	1.0	Whole rock				
152.18-175.52 EOH	Mixed vitric/amyg 'T' Alt'd Basalt: med to pale gn	perv mod -strng carb alt (cal) tr fuchsite	tr vfg py, aspy								
	153.18-155.55: vn brxx (cal)			2575	153.18 154.18	1.0	1	0.1	11	49	49
	156.78-157.18: cal vn brxx			2576	154.18 155.18	1.0	1	0.2	6	41	46
	157.98-159.52: wkly sheared vitric T			2577	155.18 156.18	1.0	1	0.1	4	48	46
	159.52-159.95: cal vn brxx			2578	156.18 157.18	1.0	1	0.1	9	47	51

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Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 23, 1987 DR31-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	159.95-160.24: black carbonaceous layer 160.57-160.63: black carbonaceous layer.										
		161.78-172.52: mod cal-ep									
			163.37-164.07: mixed vn brxx	2579	162.37 163.37	1.0	70	0.4	230	52	89
			cal-carbonaceous vn, hem-rich vn tr py (aspy?)	2580	163.37 164.37	1.0	24	0.9	94	40	114

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Jan. 27, 1987 DR31-87

Core Boxes

Core Recovery

Box No.	Interval (m) From	To	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %
1	9.14	19.80	9.14	10.97	1.83	0.39	21	71.93	74.98	3.05	2.82	92	151.18	154.23	3.05	3.05	100
2	19.80	28.32	10.97	14.02	3.05	1.98	65	74.98	78.03	3.05	2.79	91	154.23	157.28	3.05	3.02	99
3	28.32	35.66	14.02	17.07	3.05	2.44	80	78.03	81.08	3.05	2.85	93	157.28	160.32	3.04	3.03	100
4	35.66	43.59	17.07	17.68	0.61	0.39	64	81.08	84.12	3.04	2.99	98	160.32	163.27	3.05	3.02	99
5	43.59	52.43	17.68	20.12	2.44	0.90	37	84.12	87.17	3.05	2.96	97	163.37	166.42	3.05	3.05	100
6	52.43	59.73	20.12	20.73	0.61	0.29	47	87.17	90.22	3.05	2.98	98	166.42	169.47	3.05	2.94	96
7	59.73	67.24	20.73	22.25	1.52	0.80	53	90.22	93.27	3.05	2.72	89	169.47	171.6	2.13	2.09	98
8	67.24	73.12	22.25	25.60	3.35	1.97	59	93.27	96.32	3.05	2.80	92	171.6	172.52	0.92	0.77	84
9	73.12	81.44	25.60	28.65	3.05	3.12	102	96.32	99.36	3.04	2.56	84		EOH			
10	81.44	88.62	28.65	31.70	3.05	3.00	98	99.36	102.41	3.05	2.81	92			163.38	146.12	89%
11	88.62	95.72	31.70	34.75	3.05	2.79	91	102.41	105.46	3.05	2.76	90					
12	95.72	102.95	34.75	35.66	0.91	0.68	75	105.46	108.51	3.05	2.87	94					
13	102.95	110.16	35.66	36.58	0.92	0.23	25	108.51	111.56	3.05	2.98	98					
14	110.16	117.15	36.58	37.19	0.61	0.68	111	111.56	114.60	3.04	2.80	92					
15	117.15	124.47	37.19	40.23	3.04	2.61	86	114.60	117.65	3.05	2.92	96					
16	124.47	131.68	40.23	41.45	1.22	1.22	100	117.65	120.70	3.05	2.59	85					
17	131.68	135.94	41.45	44.50	3.05	2.95	97	120.70	123.44	2.74	2.55	93					
18	135.94	142.81	44.50	47.55	3.05	2.26	74	123.44	126.80	3.36	3.19	95					
19	142.81	150.41	47.55	50.60	3.05	2.15	70	126.80	129.84	3.04	2.79	92					
20	150.41	157.58	50.60	53.64	3.04	2.82	93	129.84	132.89	3.05	2.87	94					
21	157.58	164.42	53.64	56.70	3.06	2.83	92	132.98	135.94	3.05	2.99	98					
22	164.42	171.90	56.70	59.74	3.04	3.03	100	135.94	138.99	3.05	2.03	99					
23	171.9	172.52	59.54	62.79	3.05	2.98	98	138.99	142.04	3.05	2.92	96					
	EOH		62.79	65.84	3.05	2.91	95	142.04	145.08	3.04	2.46	81					
			65.84	68.89	3.05	2.95	97	145.08	148.13	3.05	2.95	97					
			68.89	71.93	3.04	2.97	98	148.13	151.18	3.05	2.86	94					

Regina Prii

DR39-87

Co: WESTMIN RESOURCES LTD.
Project: DEBBIE
Length (m) : 116.56
Dip : -55°
Azimuth : 240°
Collar elev (m) : 913
Core size : BQ

Map Grid N : 6562
E : 11039
Field Grid : Regina
N : 8 + 60 S
E : 4 + 10 E

Date Drilled : Jan 31-Feb 2/87
Contractor : Coates
Logged by : G. Price
Date Logged : Feb. 2-4/87

Survey Type	Depth	Dip	Azi
Pajari	7.6	-54	249°
Pajari	70.4	-54	249°
Pajari	110.0	-55	247°

Objective/Comments: IP anomaly, exhalitive horizon, anomalous Au in jasper from surface sample; Py-aspy? bearing jasper on surface 12m W along road from collar.

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
0-3.66	Casing left in hole.											
3.66-17.74	Amyg Pillow Bas: dk gn and purple, 70% wk to mod hemitized (purple) conc. nr pillow cts, 3-5% hyaloclastite as pillow interstices (<5cm) pillows 0.35-2.00m (avg 0.5m), <1% jasper assoc w/ hem alt'd pillow interstices 10.97: 1st appearance of jasper section x-cut by cal vns, <0.5cm, <0.5% total rx volume.	mod perv cal > chl > hem alt		2596	10.97	11.97	1.0	18	0.1	4	42	77
				2597	11.97	12.97	1.0	4	0.1	2	41	84
				2598	12.97	13.97	1.0	2	0.1	5	65	84
17.74-23.36	Amyg Bas: fg dk gn, pillow cts not clear, locally amyg. 20.12-20.30: jasper (upper 10cm) and milky gn blue chert section x-cut by cal vns <0.5cm, <0.5% total rx.	mod perv cal > chl	20.12-20.30: tr py, aspy (?)	2599	20.12	20.30	0.28	1	0.1	2	19	17
23.36-27.47	Amyg Pillow Bas: dk gn and purple, 80% wk to mod hemitization, pillows sprx 65cm, tr jasper in wispy vns assoc w/ cal. 24.69-25.39: brxx, ang L hem frags,	mod perv cal > chl, patchy hem										

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	healed w/ cal and gn Bas. section x-cut by cal vns <3mm, <2% total rx volume.											
27.74-43.22	Amyg Bas: dk gn, msv, pillow cts unclear, pillows <65cm.		tr chpy in cal vns									
	33.40-33.55: chert, pale gn, sharp cts at 90 & 55° to CA w/ hairline ep vnlts as envelope (3mm) (thus pillow ct?)			2651	33.40	33.55	0.15	1	0.1	2	9	13
	34.35-34.46: chert.			2652	34.35	34.46	0.11	2	0.1	2	23	51
		36.35-36.50: hem alt 38.0-38.1: hem alt										
	38.6-39.34: weakly sheared, banded hyaloclastite at 70-90° to CA											
	42.82-43.22: hyaloclastite, sheared at 35° to CA, 0.5% jasper boudins (2cm x 0.5 cm) section x-cut by cal vns, <0.8cm, <1% total rx volume.			2653	42.82	43.22	0.40	3	0.1	4	46	76
43.22-58.02:	Amyg Pillow Bas: 'purple' pillows 40-70cm, well defined hyaloclastite cts (10-20cm) locally bleached, 43.22-44.22: 0.5% jasper as 'boudined vns', parallel to pillow cts, <0.5cm thick. 45.32-45.42: plag dyke, sharp cts at 90° to CA, xtls alt'd to chl, plag <2mm, subh, 60% plag, 10% hb. 48.43-49.0: plag P dyke, ct at 20° (upper) and lower at 20° to CA section x-cut by cal vns, <0.5cm, <0.5% total rx volume.	wk patchy cal	tr py	2654	43.22	44.22	1.0	2	0.1	4	16	68

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Feb. 3, 1987 DR39-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
58.02-61.87	Fracture zone, stratigraphy unclear crackle brxx (hydrofrct) probably 'purple' pillow Bas as alt ct is gradational over 3cm.	58.02-59.75: mod ser-chl-ep; 2-3% cal vns <1cm	58.02-59.75: 2-4% py as vns and envelope to cal vns tr aspy needles & chpy (?) 60.02-61.57: broken fractured core w/ Fe-oxide stain vuggy qtz vn remnants	2655	58.02	59.02	1.0	3	0.1	5	15	50
				2656	59.02	60.02	1.0	1	0.1	7	16	49
61.87-79.55	Amyg Pillow Bas: hemitized pillows <65cm 10% hyaloclastite at cts, x-cut by cal vns <2cm <1% total rx volume.	65.84-75.95: patchy hem/ep/cal alt 10% cal vn, 2% qtz vn (<12 cm), tr jasper	65.84-66.75: fault zone, sandy gouge (1-3mm) at 3-15% t CA 68.48-68.88: broken core, vuggy 71.40-72.43: broken core clayey gouge at 5-10% to CA 72.96-73.46: same 73.96-74.65: same 1-2% py in total section assoc w/ cal vns in broken core.	2657	71.1	72.1	1.0	1	0.1	4	16	66
				2658	72.1	73.1	1.0	1	0.1	7	20	81
				2659	73.1	74.1	1.0	1	0.2	6	32	73
				2660	74.1	75.1	1.0	3	0.1	5	21	84
79.55-85.58	Amyg Pillow Bas: dk gn, mostly broken core thus pillow sizes unknown (<35cm ?); x-cut by hairline ep vnlts <4% total rx volume; x-cut by cal vns <15cm, <2% total rx volume.	wk chl-ep										
85.58-87.3	Amyg Pillow Bas: purple, banded sheared, soft-sed folding (?), hyaloclastite at upper and lower cts, mixture of clay gouge (2mm at 90° to CA) hyaloclastite and brxx at lower ct (over 30cm); section is 1 lg pillow interstice (?).	hem-chl										

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Feb. 3, 1987 DR39-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
87.3-101.26	Amyg pillow Bas: dk gn, 10-20% scoria, 5% pillow brxx, <0.5% cherty pillow interstices (<3cm) conc. in upper 3m of section, pillows <90cm; 3-10cm hyaloclastite at most pillow cts; x-cut by cal vns, <0.8 cm, <0.5% total rx volume.	wk ser-chl, mod cal		2661	88.96	89.96	1.0	4	0.1	2	45	69
				2662	89.96	90.96	1.0	1	0.1	2	44	77
			98.36-98.62: qtz vn w/ tr chpy, strongly sheared envelope from 98.26-99.16 (wkly bleached) 92.26-101.26: wkly sheared (hyaloclastite ?)	2663	98.06	99.06	1.0	3	0.1	2	84	75
101.26-105.34	Bas vitric T??: dk gn, msv, tuffaceous, upper ct vague, lower ct pillow brxx, shards vfg <0.5mm replaced by blk chl; x-cut by cal vns <2cm, 1% total rx volume.	mod cal wk ser-chl										
105.39-111.56	Amyg Pillow Bas: dk-med gn, pillows <60cm; 40% pillow brxx, 2-3% chert as pillow interstices <8cm; x-cut by cal vns <2cm, <1% total rx volume.		tr diss py	2664	109.21	110.21	1.0	1	0.1	3	28	90

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: Brian Date: Feb. 11, 1987 DR39-87

Core Boxes

Core Recovery

Box No.	Interval (m) From	To	Interval (m) From	To	Core Lgth	Amount Present	Recovery %
1	3.66	10.90	3.66	4.88	1.22	1.22	100
2	10.40	18.07	4.88	7.92	3.04	3.04	100
3	18.07	25.51	7.92	9.45	1.53	1.53	100
4	25.51	32.75	9.45	10.97	1.52	1.43	94
5	32.75	39.90	10.97	14.03	3.06	3.06	100
6	39.90	47.12	14.03	17.07	3.04	3.04	100
7	47.12	54.24	17.07	18.59	1.52	1.52	100
8	54.24	62.51	18.59	20.12	1.53	1.39	91
9	62.51	69.48	20.12	23.16	3.04	2.70	89
10	69.48	76.60	23.16	24.69	1.53	1.53	100
11	76.60	83.86	24.69	26.21	1.52	1.52	100
12	83.86	91.04	26.21	29.26	3.05	3.05	100
13	91.04	98.45	29.26	32.00	2.74	2.62	96
14	98.45	105.68	32.00	35.05	3.05	3.05	100
15	105.68	111.56	35.05	38.10	3.05	3.05	100
			38.10	41.30	3.20	3.20	100
			41.30	42.82	1.52	1.38	91
			42.82	44.50	1.68	1.68	100
			44.50	47.59	3.09	3.09	100
			47.59	50.60	3.01	3.01	100
			50.60	53.64	3.04	3.04	100
			53.64	56.70	3.06	3.06	100
			56.70	59.75	3.05	3.05	100
			59.75	61.87	2.12	.85	40
			61.87	62.79	0.92	0.76	83
			62.79	65.84	3.05	3.05	100

Interval (m) From	To	Core Lgth	Amount Present	Recovery %
65.84	66.75	0.91	.79	87
66.75	68.88	2.13	2.13	100
68.88	70.10	1.22	1.22	100
70.10	71.93	1.83	1.83	100
71.93	73.46	1.53	1.40	92
73.46	74.98	1.52	1.52	100
74.98	75.89	.91	.91	100
75.89	78.03	2.14	2.14	100
78.03	79.55	1.52	1.45	95
79.5	81.08	1.53	1.53	100
81.08	83.51	2.43	1.37	96
83.51	84.12	.61	.61	100
84.12	86.72	2.60	2.60	100
86.72	89.76	3.04	3.04	100
89.76	92.96	3.20	3.20	100
92.96	96.01	3.15	3.08	98
96.01	99.06	3.05	3.05	100
99.06	102.41	3.35	3.35	100
102.41	105.46	3.05	2.85	98
105.46	108.51	3.05	3.00	98
108.51	111.56	3.05	2.69	88
	107.9	103.68	96	

Interval (m) From	To	Core Lgth	Amount Present	Recovery %

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Prospect Pit

DR41-87

Co: WESTMIN RESOURCES LTD.
Project: DEBBIE
Length (m) : 197.21
Dip : -55°
Azimuth : 060°
Collar elev (m) : 681
Core size : BQ

Map Grid N : 7400
E : 10537
Field Grid : Regina
N : 1 + 55 N
E : 4 + 00 E

Date Drilled : Feb 2-5, 1987
Contractor : Coates
Logged by : G. Price
Date Logged : Feb 4,5, 1987

Survey Type	Depth	Dip	Azi
Transit	0	-	060°
Pajari	13.7	-52°	-
Pajari	101.2	-53°	-
Pajari	195.7	-54°	-

Objective/Comments: IP anomaly, Ba (rock) anomal, Na (rock) depletion anomaly

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
0-8.23	Casing left in hole.											
8.23-32.48	Rhy: Silicified Bas: bleached pale gy gn, grades(?) into pillow Bas at lower ct (over 10cm), total section is crackle brxx, healed w/hairline cal vnlts, local heterolithic(?) brxx (hydrofrct ?) w/ ang frags <2cm; x-cut by qtz vns, <6cm, <2% total rx volume	strong silicification, loc wk ser-chl alt w/ spotty leucoxene	3-5% py as vnlts and diss, tr-1% aspy(?)	2665	10.6	11.6	1.0	12	.1	99	16	20
				2666	11.6	12.6	1.0	48	.7	138	121	21
				2667	12.6	13.6	1.0	157	.3	227	112	19
				2668	13.6	14.6	1.0	260	1.1	167	133	21
			19.05-19.51: fault zone, sandy gouge (2-5mm?) at 5-10° to CA	2669	14.6	15.6	1.0	116	.8	75	190	14
				2669	14.6	15.6	1.0	Whole rock				
				2670	15.6	16.6	1.0	28	.7	90	207	18
				2671	16.6	17.6	1.0	25	.1	133	29	26
				2672	17.6	18.6	1.0	183	.1	486	19	25
				2673	18.6	19.6	1.0	152	.5	237	51	58
	22.92-26.48: Plag P dyke, dk gn, 40% plag <4mm, euh to subh, 20% hb(?) feather <1mm alt'd to chl, sharp cts, upper at 45° to CA, lower 18° to CA			2674	19.6	20.6	1.0	23	.1	116	18	39
				2675	20.6	21.6	1.0	42	.1	199	14	21
				2676	21.6	22.92	1.32	28	.3	144	42	23
				2577	26.48	27.48	1.0	46	.4	112	39	16
				2678	27.48	28.48	1.0	127	.1	215	18	16
	greater no of hairline cal vns over lowest meter nr ct.			2679	28.48	29.48	1.0	65	.1	138	17	22
				2680	29.48	30.48	1.0	48	.1	157	18	23
				2681	30.48	31.48	1.0	61	.1	413	30	26
				2682	31.48	32.48	1.0	32	.4	85	106	87
				2683	32.48	33.48	1.0	4	.1	20	91	99
32.48-39.66	Bas Pillow Brxx: hem alt (purple) w/ jasper (5%) patchy, difficult to differentiate from hem alt;	wk patchy carb alt		2684	33.48	34.49	1.0	1	.1	4	82	88

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	sharp cts, probable pillow brxx, frags <30cm.											
39.66-45.16	Bas Pillow Brxx: dk gn, LAT subround frags w/ 'flow' banding between larger frags; 70% frags 4-6cm.	wk chl-ep	3-4% py as vnlts and diss conc in matrix	2690	40.45	41.45	1.0	215	1.0	551	112	92
				2691	41.45	42.45	1.0	22	0.3	58	67	89
			44.08-45.16: fault w/ clay gouge (3-6mm?); 5-8% py, low angle 0-10° to CA(?)	2692	42.45	43.45	1.0	275	0.6	791	63	88
				2693	43.45	44.45	1.0	89	0.6	149	143	95
				2694	44.45	45.45	1.0	350	1.4	1243	235	78
45.16-52.79	Amyg Pillow Bas: dk gn, 98% pillow, 2% dk gn chl-rich hyaloclastite at cts (<1cm), upper ct is brxx, pillows <50cm; 1% patchy jasper: grades into msv amyg Bas and to lapilli(?) vitric tuff at base; x-cut by cal vns, <1cm, <0.5% total rx volume.	wk chl	45.16-50.28: 2-3% py as vnlts at pillow cts	2695	45.45	46.45	1.0	285	0.8	639	135	81
				2696	46.45	47.45	1.0	30	0.8	321	249	93
52.79-59.74	Argillaceous(cherty??) tuff, vfg bedded, vitric; upper ct at 30° to CA, bedded at 15-40° to CA, dk gn, locally folded (soft sed??), loc brxx; x-cut by cal vns, <5mm, <0.5% total rx volume.		2-5% vfg py in bands/layers/beds and diss throughout	2697	54.57	55.47	1.0	48	0.2	23	142	88
				2697	54.57	55.47	1.0	Whole rock				
			55.47-55.97: 1-2% vfg py as vns in brxx (hydrofrct)	2698	55.47	55.97	0.5	114	1.2	58	31	63
59.74-84.92	Bas ATL brxx: dk gn, <5% A, 70% L, angular, pillow brxx, amyg frags, healed w/ gray fg Bas.		61.22-62.48: broken core, low angle fault w/ ser-fe-oxide gouge (3-6mm?)									
			70.12-70.32: similar fault go.									
			69.43-71.22: 2-4% patchy diss py	2699	69.43	70.43	1.0	195	1.8	1345	165	74
				2700	70.43	71.43	1.0	64	1.3	972	244	101
			71.43-71.62: similar fault go									
		71.62-84.92: mod patchy	71.62-84.92: 3-8% py, diss and as	2701	71.62	72.62	1.0	215	0.6	1167	47	69

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Feb. 4, 1987 DR41-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
		silicification	vnlts (stockwork)									
			72.85-78.33: broken vuggy core, much lost									
			79.1-80.1: 4% py stockwork	2685	79.1	80.1	1.0	36	.1	109	10	25
			80.3-81.38: broken vuggy core, much lost									
			81.38-82.08: 4% diss py and py stockwork	2686	81.38	82.08	0.7	59	.3	258	19	33
			82.08-82.91: broken vuggy core									
			83.42-84.92: qtz vn brxx w/ 3-4% py diss, + aspy(?)	2687	83.42	84.92	1.5	165	.5	323	40	48
84.92-115.0	Bas LT: dk to med gn, 20% 'silicified' lapilli ang frags, grades from ALT to LT over top 3 m., avg frag size <1cm >0.2cm, ang; loc fining upward		88.2-89.0: fault brxx w/ sandy gouge (1-2mm?) low angle 5-15° to CA, vuggy w/ qtz vns									
			91.85-92.05: broken vuggy core									
			92.86-93.52: broken vuggy core w/	2688	92.66	93.66	1.0	250	.1	1339	18	46
			1-3mm sandy gouge at low angle	2689	93.66	94.66	1.0	480	.7	2441	37	64
			5-15° to CA; 1-3% fg diss py, 8% cal (vn at high angle to CA)									
		98.26-101.0: patchy bleaching-qtz-ser alt	98.26-101.0: tr py assoc w/ cal	2702	98.26	99.26	1.0	51	.1	45	57	83
			vn brxx	2703	99.26	100.26	1.0	1	.1	3	56	95
	101.0-112.89: 2-4% aggl. frags(7cm)	101.0-112.89: wk to mod ep alt		2704	100.26	101.26	1.0	1	.1	9	63	97
	112.89-113.50: TL, 80% ang lapilli frags, 4-6mm dk gn.		106.67-108.0: sheared ct at 10°	2705	106.67	107.67	1.0	37	.1	43	73	86
			to CA w/ cal vn brxx (5% cal)	2706	107.67	108.67	1.0	63	.3	94	59	86
			and tr py (+aspy??)	2707	108.67	109.67	1.0	14	.1	28	57	85
			108.0-111.56: 1% vf diss py	2708	109.67	110.67	1.0	150	.1	343	53	77
				2709	110.67	111.67	1.0	185	.1	249	68	90

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Feb. 4, 1987 DR41-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
		113.5-115.0: bleached qtz-cal-alt	113.5-115.0: qtz vn brxx, 3-5% py as vnlts and diss	2710	113.5	115.0	1.5	535	.3	953	46	105
115.0-118.98	Amyg Pillow Bas: dk gn, hyaloclastite (10 cm)at upper ct, sheared, brxx lower ct; scoria/pillow frags <80cm (avg 30cm) thus pillow brxx.		118.25-118.98: sheared cal vn brxx (at 10-15° to CA) tr py	2711	118.25	119.25	1.0	69	.2	88	62	82
118.98-125.46	Bas LT: dk gn, 80% ang 3-5mm frags, loc graded beds 35cm thick, sorted w/ fining upward and frags aligned at 70-90° to CA; however mostly massive brxx; x-cut by cal vns, <5cm <2% total rx volume.		118.98-120.55: 3-5% fg diss py and py vnlts	2712	119.25	120.25	1.0	435	.1	406	89	74
			124.62-125.43: bleached brxx w/ 3-8% py (increasing w/ depth) diss and as vnlts	2713	124.62	125.43	0.76	69	.1	542	57	71
				2713	124.62	125.43	0.76	Whole rock				
			125.43-125.46: carbonaceous clayey fault gouge fault at 70° to CA									
125.48-145.79	Bas Pillow Brxx ATL: 5-15% subrounded aggl, 20-30%(?) lapilli for top 2m, grades into TL w/ 70% 50-60mm subrounded 'scoria' w/ diffuse boundaries, dk blk chl interstices; lower ct sheared at 45° to CA: x-cut by cal vns, <1cm, <0.5% total rx volume.	wk chl	129.64-129.84: 'fault' broken core w/ 2% sandy gouge									
			132.89-133.09: fault at 20° to CA, 3mm of clayey-sandy gouge									
			134.34-134.62: 'fault' broken core w/ 1% sandy gouge									
145.79-176.64	Bas TL-LT: dk gn, msv avg frag size is 1-2cm, subang w/ sharp boundaries; ep-rich matrix: pillow brxx?? amyg: obscure texture below aprx 160m, 15% loc brxx: x-cut by cal vns <1cm, <1% total rx volume.	wk to mod ep chl	tr diss py (1-3mm xtls)									
			149.90-140.40: cal vn brxx w/ alt envelope and 3-5% py(gal??) as shear plane/ vn selvage									

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Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Feb. 4, 1987 DR41-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
			151.35-154.35: 2-3% vfg diss py	2714	151.35	152.35 1.0	1	.1	16	48	67
				2715	152.35	153.35 1.0	345	.2	224	78	69
			152.35-153.02: brxx healed w/qtz (25%), 3-5% py vnlts	2716	153.35	154.35 1.0	725	.5	314	52	93
			153.02-153.70: fault, sheared at 10-20° to CA, w/ 2-3mm clayey-ser gouge								
		157.58-158.35: wk bleaching (sil)	157.58-158.35: fractured core, hydrobrxx??								
		159.07-159.27: wk bleaching	159.07-159.27: hydrobrxx w tr py								
			165.66-173.84: cal vn w/ loc brxx (15% cal) and 3-5% py (sph??) as low angle vns	2717	165.66	166.66 1.0	695	.1	1167	31	12
				2718	170.84	171.84 1.0	90	.3	163	42	8
				2719	171.84	172.84 1.0	265	.3	1896	47	11
				2720	172.84	173.84 1.0	185	.6	769	68	6
				2721	175.65	176.65 1.0	170	.2	107	47	8
176.64-179.04	Bas T: msv, dk gy-gn, fg w/ 3% dk gn 'shards' (amygs??), sharp brxx cts; vitric T??; x-cut by cal vns, <3mm, <0.5% total rx volume.	wk perv carb alt	tr vfg diss py								
179.04-191.80	Bas Pillow Brxx(?) LT: dk gy gn, unclear texture, w/ over print (locally) of hydrobrxx; where texture preserved, 2% amyg aggl frags, subrnd, <70cm, 40% lapilli, subround, dk gn, 1-2cm avg size; x-cut by cal vns, <1cm, <0.5% total rx volume.	wk chl-ep, tr spotty leucoxene w/ patchy silicification and patchy ep alt	tr to 1% vfg diss py	2722	182.53	183.53 1.0	165	2.1	2503	51	82
			182.52-183.52: 3-5% vfg diss py, aspy?	2722	182.53	183.53 1.0	Whole rock				

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Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Feb. 4, 1987 DR41-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
191.80-193.65	Hyaloclastite: dk gn, msv, subrnd to subang 1-4mm frags, 40% 'lapilli', 60% 'tuff'; x-cut by qtz vns, <1cm, <0.5% total rx volume.	wk ep chl	193.44-193.59: 1cm qtz vn w/ bleached envelope, brxx at lower ct, 15-20% vfg diss py	2723	193.18 193.68	0.50	535	.3	5052	47	101
193.65-196.44	Bas xtl T (flow?): dk gn, msv, 20-30% 1-3mm euh xtls (plag??) (alt'd to ep-sec); 3% dk gn chl-replaced subh xtls; aphanitic matrix; x-cut by qtz vns, <1cm, <0.5% total rx volume upper ct brxx from 193.65-193.85m.	wk ep chl	193.95-194.00: similar vn	2724	193.85 194.85	1.0	2	.2	859	55	51
			195.19-195.35: and envelope	2725	194.85 195.83	1.0	102	.4	531	80	54
196.44-197.21	Bas Pillow brxx??: obscure texture, hyaloclastite ct dk gn, brxx.										

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: Bill Randles Date: Feb. 11, 1987 DR41-87

Core Boxes

Core Recovery

Box No.	Interval (m)		Interval (m)		Core lgth	Amount Present	Recovery %	Interval (m)		Core Lgth	Amount Present	Recovery %	Interval (m)		Core Lgth	Amount Present	Recovery %
	From	To	From	To				From	To				From	To			
1	8.23	15.48	8.23	9.45	1.22	.75	61	58.83	59.74	0.91	0.85	93	106.37	109.42	3.05	2.88	94
2	15.48	23.16	9.45	10.52	1.07	.99	92	59.74	61.42	1.68	1.77	105	109.42	111.56	2.14	1.91	89
3	23.16	30.88	10.52	13.56	3.04	2.79	92	61.42	62.78	1.36	0.55	40	111.56				
4	30.88	36.98	13.56	16.61	3.05	2.90	95	62.78	63.86	1.08	1.06	98					
5	36.98	43.99	16.61	19.51	2.90	2.21	76	63.86	65.84	1.98	1.79	90					
6	43.99	51.06	19.51	21.03	1.52	1.36	89	65.84	68.73	2.89	2.61	90					
7	51.06	58.02	21.03	23.16	2.13	2.04	96	68.73	71.62	2.89	2.42	84					
8	58.02	65.08	23.16	26.21	3.05	3.01	99	71.62	72.85	1.23	1.01	82					
9	65.08	72.16	26.21	29.26	3.05	3.01	99	72.85	74.98	2.13	0.53	25					
10	72.16	83.87	29.26	30.78	1.52	1.51	100	74.98	78.03	3.05	0.26	85					
11	83.87	90.38	30.78	32.31	1.53	1.40	91	78.03	78.33	0.30	0.20	67					
12	90.38	98.25	32.31	33.22	0.91	0.66	72	78.33	79.10	0.77	0.54	70					
13	98.25	105.43	33.22	35.35	2.13	2.18	102	79.10	81.38	2.28	1.58	69					
14	105.43	112.48	35.35	36.88	1.53	1.52	100	81.38	82.60	1.22	0.80	66					
15	112.48	119.58	36.88	38.40	1.52	1.42	93	82.60	82.91	0.31	0.13	42					
16	119.58	127.40	38.40	39.93	1.53	1.22	80	82.91	84.12	1.21	1.40	116					
17	127.40	133.82	39.93	41.45	1.52	1.54	101	84.12	87.17	3.05	2.60	85					
18	133.82	140.83	41.45	42.98	1.53	1.35	88	87.17	88.70	1.53	1.22	80					
19	140.83	148.13	42.98	44.50	1.52	1.32	87	88.70	92.05	3.05	2.44	80					
20	148.13	155.05	44.50	45.41	0.91	0.67	74	92.05	92.66	0.61	0.38	62					
21	155.05	162.37	45.41	47.55	2.14	2.12	99	92.66	95.86	3.20	2.70	84					
22	162.37	169.56	47.55	50.44	2.89	2.76	95	95.86	97.53	1.67	1.35	81					
23	169.56	176.79	50.44	53.49	3.05	2.97	97	97.53	99.36	1.83	1.76	96					
24	176.79	183.82	53.49	54.10	0.61	0.46	75	99.36	102.11	2.75	2.47	90					
25	183.82	191.01	54.10	56.69	2.59	2.56	99	102.11	103.63	1.52	1.49	98					
26	191.01	197.21	56.69	58.83	2.14	2.00	93	103.63	106.37	2.74	2.78	101					
	EOH																

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: Bill Randles Date: Feb. 11, 1987 DR41-87

Core Boxes

Core Recovery

Box No.	Interval (m) From	To	Interval (m) From	To	Core lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %	Interval (m) From	To	Core Lgth	Amount Present	Recovery %
			106.37	109.42	3.05	3.05	100	170.84	174.04	3.20	3.10	97					
			109.42	111.56	2.14	2.07	97	174.04	177.09	3.05	3.05	100					
			111.56	114.60	3.04	3.04	100	177.09	180.04	3.05	3.05	100					
			114.60	117.35	2.75	2.75	100	180.04	181.66	1.52	1.52	100					
			117.35	120.55	3.20	3.20	100	181.66	184.71	3.05	2.90	95					
			120.55	122.38	1.83	1.68	92	184.71	187.76	3.05	3.05	100					
			122.38	123.75	1.37	1.37	100	187.76	190.80	3.04	2.99	98					
			123.75	125.88	2.13	2.13	100	190.80	192.63	1.83	1.83	100					
			125.88	128.93	3.05	3.05	100	192.63	193.85	1.22	1.16	95					
			128.93	132.89	3.96	3.20	81	193.85	196.44	2.59	2.59	100					
			132.89	134.72	1.97	1.76	89	196.44	197.21	.77	.77	100					
			134.72	137.16	3.04	3.04	100										
			137.16	138.99	1.83	1.83	100			188.98	174.25	92					
			138.99	142.03	3.04	3.04	100										
			142.03	145.09	3.06	3.06	100										
			145.09	148.13	3.04	3.04	100										
			148.13	151.18	3.05	3.05	100										
			151.18	154.23	3.05	3.05	100										
			154.23	155.75	1.52	1.52	100										
			155.75	157.28	1.53	1.53	100										
			157.28	157.58	.30	.30	100										
			157.58	160.17	2.59	2.59	100										
			160.17	163.37	3.20	3.15	98										
			163.37	165.66	2.29	1.99	87										
			165.66	168.86	3.20	2.79	87										
			168.86	170.84	1.98	1.80	91										

Georgia Pac

DR44-87

Co: WESTMIN RESOURCES LTD.
Project: DEBBIE
Length (m) : 86.87
Dip : -57°
Azimuth : 240°
Collar elev (m) : 680
Core size : BQ

Map Grid N : 7402
E : 10566
Field Grid : Regina
N : 8 + 60 S
E : 4 + 20 E

Date Drilled : Feb. 5,6/87
Contractor : Coates
Logged by : G. Price
Date Logged : Feb. 11, 1987

Survey Type	Depth	Dip	Azi
Pajari	7.0	-57°	240°
Pajari	85.2	-57°	239°

Objective/Comments: IP anomaly, Ba rock anomaly, Na (rock) depletion anomaly

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
0-3.66	Casing left in hole											
3.66-13.62	Amyg Bas TAL (Pillow Brxx): subrnd frags, <25cm, dk gn, locally preserved textures, 10.25-13.62: msv amgy bas wkly sheared, poorly preserved texture.	wk chl-ep-cal	7.06-7.26: vuggy broken core									
13.62-26.19	Amyg Bas TAL - ATL? (Pillow Brxx): dk gn, patchy 'purple', subrnd frags <9mm, x-cut by cal vns, <1cm, <1% total rx volume. 21.64-21.87: fg brxx (1-3mm ang frags) 21.87-25.04: Plag P dyke, sharp cts at 45° to CA 20% euh to subh 2-4mm plag alt'd to ser-ep, 5% mafics (1-2mm) alt'd to chl, med-dk gn.	13.62-14.75: <2% hem (jasper?)	13.62-14.75: 1-3% py as vnlts	2726	13.62	14.75	1.13	89	.6	521	135	69
		14.75-21.87: <8% patchy hem-cal alt	14.65-21.87: 2-8% patchy vfg diss py and py vnlts	2727	16.46	17.46	1.0	76	.8	181	322	66
				2727	16.46	17.46	1.0	Whole rock				
				2728	17.46	18.46	1.0	36	.5	101	124	89
		25.04-26.19: 80-90% jasper(hem) replacing? pillow brxx, jasper as pilows and interstices	25.04-26.19: tr py as vnlts	2729	25.04	26.09	1.05	4	.1	12	23	57
26.19-35.03	Amyg Bas LTA: Pillow Brxx-scoria?; dk gn-gy, where texture preserved locally are 6-8cm rounded scoria w/	29.19-29.70: patchy (30%) bleaching (strong perv cal alt in bleached sections)	26.19-29.74: 2-8% diss py and vnlts, py rimming frags, patchy	2730	27.74	28.74	1.0	350	.9	1901	105	72
				2731	28.74	29.74	1.0	113	.6	762	75	66
				2731	28.74	29.74	1.0	Whole rock				

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: G. Price Date: Feb. 11, 1987 DR44-87

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m		Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	diffuse boundaries 29.7-35.03: poor preservation of volcanic textures	29.70-35.03: mod to wk perv bleaching (qtz-ser-cal ?)	29.70-35.03: 3-8% vfg diss py, py vnlts, patchy distribution 35.01-35.03: fault gouge, 2mm clay-ser, at 75° to CA	2732 2733 2734	29.74 30.74 30.74 31.74 31.74 32.74		1.0 1.0 1.0	225 114 67	.3 .2 .1	225 114 67	14 17 17	27 26 28
35.03-50.67	Amyg Bas ALT (scoria-pillow brxx?): dk gn-gy <10%A (<7cm), 20-30% lapilli, subrounded to subang, sharp boundaries 47.5-50.67: decrease in lapilli size (2-4cm) loss of aggl. fraction section x-cut by cal vns, <1cm, <0.5% total rx volume.	wk chl-cal	tr vfg diss py									
50.67-68.31	Amyg Bas Flow(?): dk gy gn, obscure texture msv?, amyg (<1mm) loc wk shearing at 50-70° to CA; x-cut by cal vns <15cm, <4% total rx volume, broken core in vicinity of lg cal vns.	wk spotty leucoxene, mod to wk perv cal	tr vfg diss py									
68.31-70.14	Bas T: vfg (<0.5mm), msv, dk gn-gy, sharp brxx cts, vitric T?, obscure texture; x-cut by cal vns, <2cm, <1% total rx volume.	wk chl-ep-ser (?)	tr vfg diss py									
70.14-73.33	Brxx-sheared amyg Bas: dk gn-gy, locally sheared (at 90° to CA) amyg/ vitric T (<2mm); 40% of section is LT ang flow brxx(?) matrix supported, bimodal, amyg frags and vfg T frags healed w/ Bas and cal.	patchy wk-mod cal	tr vfg diss py									

From - To meters	Lithology	Alteration	Mineralization/ Structure	No.	Sample Interval m	Lgth m	Au ppb	Ag ppm	As ppm	Cu ppm	Zn ppm
	section x-cut by cal vns, <1cm, <4% total rx volume.										
73.33-86.87 EOH	Bas vitric I: dk gn-gy, msv(?), mg-fg (0.5-1.5mm) vitric frags, ang to subang 75.66-76.66: fg crackle brxx, 3-5mm ang frags (not rotated) rimmed w/ ep loc cal vn brxx w/ loc replacement of frags by cal; loc shearing assoc w/ cal vns (80° to CA); loc fining upward; total section x-cut by cal vns, <10cm, <4% total rx volume.	wk chl-ep-ser(?)	tr vfg diss py								

Co: WESTMIN RESOURCES LTD. Project: DEBBIE - SICKER Logged by: Brian Date: Feb. 11, 1987 DR44-87

Core Boxes

Box No.	Interval (m) From	To
1	3.66	11.74
2	11.74	19.11
3	19.11	26.29
4	26.29	33.72
5	33.72	40.49
6	40.49	47.90
7	47.90	55.45
8	55.45	62.79
9	62.79	69.96
10	69.96	77.21
11	77.21	84.37
12	84.37	86.87
	EOH	

Core Recovery

Interval (m) From	To	Core lgth	Amount Present	Recovery %
3.66	4.27	.61	.75	123
4.27	6.86	2.59	2.46	96
6.86	9.14	2.28	2.20	96
9.14	12.19	3.05	2.16	71
12.19	14.02	1.83	1.56	85
14.02	16.46	2.44	2.52	133
16.46	19.51	3.05	2.95	97
19.51	21.64	2.13	2.13	100
21.64	24.69	3.05	3.05	100
24.69	27.74	3.05	3.05	100
27.74	30.78	3.04	2.95	97
30.78	32.92	2.14	2.05	96
32.92	35.36	2.44	2.87	101
35.36	37.79	2.43	2.43	100
37.79	40.84	3.05	3.05	100
40.84	41.45	.61	.55	90
41.45	44.50	3.05	3.05	100
44.50	47.55	3.05	2.68	88
47.50	50.60	3.05	3.05	100
50.60	51.21	.61	.74	121
51.21	53.64	2.43	1.96	81
53.64	54.86	1.22	1.12	92
54.86	56.69	1.83	1.83	100
56.69	59.74	3.05	3.05	100
59.74	62.79	3.05	3.05	100
62.79	65.53	2.74	2.74	100
65.53	68.27	2.74	2.60	95
68.27	68.88	.61	.69	113
68.88	71.93	3.05	3.05	100
71.93	74.98	3.05	3.05	100
74.98	78.03	3.05	3.05	100
78.03	80.47	2.44	2.44	100
80.47	83.67	3.20	3.10	97
83.67	86.87	3.20	3.20	100
		83.21	81.18	98

96

3. DISCUSSION AND CONCLUSIONS

Diamond drilling of 2049.0m in nine holes constitutes the bulk of the exploration work performed on the Jenny claim in 1986-87. Previous work, which included lithogeochemical sampling, reconnaissance geological mapping and IP surveys, outlined a broad horseshoe-shaped complex of anomalies associated with possible dacite clastics and ferruginous cherts and tuffs. The present program was designed to test these targets.

The series of holes along the western branch of the anomalies, DR10-86, DR14-86, DR16-86, DR17-86, and DR26-87, encountered scattered disseminated pyrite with minor chalcopyrite. Associated anomalous Au and Ag values occur sporadically. The host lithologies are dominantly felsic tuffs and flows with lesser basalts intercalated.

Holes along the eastern side of the anomalies, DR31-87, DR39-87, DR41-87 and DR44-87, encountered only minor values in precious and base metals. Host lithologies are a complex succession of basalt pillowed flows, flow breccias and fine to coarse volcaniclastics with interbedded ferruginous chert.

Interpretations of the geology indicates that the original model of an open syncline is not correct. Drilling indicates two major faults which bound the drill area, trending about 140°. The rapid lithological changes across the block may be the result of graben infilling.

In conclusion, the presence of strong sulfides associated with the felsic-basalt horizon is encouraging. Geological complexity shown in drill results is reason to recommend a detailed geological mapping. Resolution of geological correlations will be a useful guide in controlling the next phase of diamond drilling.

4. ITEMIZED STATEMENT OF COSTS

		$	
A.	Geology		
	Georgina A. Price (3-21/12/86; 3-25/01/87; 1-11/02/87 52 days @ $115.00/day	5,950.00	
	Room and Board: G. Price (dates as above) 52 days @ $30.00/day	1,560.00	
			7,510.00
B.	Drilling		
	Roger's Drilling Services Ltd. (DR 10-86; DR 14-86; DR 16-86) 475.2m	32,826.00	
	D.W. Coates Enterprises, Ltd. (DR 17-86; DR 26-87; DR 31-87; DR 39-87; DR 41-871; DR 44-87) 1 573.8m	112,307.00	
			145,133.00
C.	Analytical Costs		
	Sampling: D. Boyd (15/12/86 - 24/02/87: work scattered; 12 days total) 12 days @ $75.00/day	900.00	
	Analyses (includes preparation and shipping) Acme Analytical Laboratories Ltd. 370 samples (Au geochem + 30 element ICP) @ $13.50 each; 6 Cu assays @ $6.75 each and 3 W assays @ $7.50 each	4,995.00	
			5,895.00
D.	Assessment Report Preparation		
	Edward Lyons (12-15/07/87) 4 days @ $265.00/day	1,060.00	
	Report typing, collating, copying, binding	200.00	
			1,260.00
E.	Total Expenditures		159,798.00
F.	Total Costs Applied for Assessment Credit		$158,000.00

5. STATEMENT OF QUALIFICATIONS

I. Edward M. Lyons, of Box 3346, Courtenay, British Columbia, do hereby certify that:

1. I am a graduate of the University of Missouri at Rolla, Rolla, Missouri, with a B.Sc. (Honours) in Geology in 1970. I did one year of graduate studies in economic geology at the University of Toronto in 1973.

2. I have practiced my profession since 1970.

3. I have been a practicing consulting geologist since 1976.

4. I personally have overseen the drilling on the China claim group.

16 July 1987
Courtenay, B.C.

Edward M. Lyons

7. REFERENCES

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Kerrich, R., and Fyfe, W.S. (1981) The gold-carbonate association: Source of CO_2, and CO_2-fixation reactions in Archean lode deposits; Chem. Geology, V.33, pp. 265-294.

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APPENDIX 1

Analytical Results of Core Samples

UDH	Sample no.'s (file no.)
DR10-86	2101-2143 (86-3941), 2144-2174 (86-3966)
DR14-86	2175-2189 (86-3994), 2190-2200, 2151-2152 (86-4012)
DR16-86	2253-2272 (86-4049)
DR17-86	2296-2300, 2351-2371 (87-0033), 2282-2295 (86-4048), 2273-2281 (87-06), 2376-2382 (87-0062), 2372-2375 (87-0045), 2383-2400, 2501-2506 (87-0099), 2581-2595 (87-0305)
DR26-87	2507-2513 (87-0132), 2515-2556 (87-0156)
DR31-87	2557-2571 (87-0334), 2572-2580 (87-0351)
DR34-87	2748-2750, 2801-2812 (87-0351)
DR41-87	2665-2686 (87-0382), 2687-2701 (87-0388)
Dr44-87	2726-2734 (87-0388)

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL/ASSAY CERTIFICATE

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: DEC 9 1986 DATE REPORT MAILED: Dec 15/86 ASSAYER. D. Toye...DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE 50076 FILE# 86-3941 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	Cu %
2101	1	8	2	68	.1	6	5	284	2.25	3	5	ND	1	31	1	2	2	6	1.69	.073	20	4	.58	47	.01	3	.91	.03	.19	1	22	-
2102	1	39	9	66	.1	10	9	513	2.76	6	5	ND	2	134	1	2	2	30	3.51	.064	13	2	1.47	35	.01	5	.93	.03	.17	2	1	-
2103	1	75	12	70	.2	22	19	675	4.05	10	5	ND	1	152	1	2	2	51	3.35	.066	7	8	2.32	57	.01	9	1.63	.02	.20	2	2	-
2104	1	14	4	34	.1	3	5	427	1.82	3	5	ND	1	54	1	2	2	8	1.16	.049	17	1	1.08	58	.01	3	.92	.03	.19	2	1	-
2105	1	7	6	35	.1	2	5	475	1.76	3	5	ND	1	51	1	2	2	8	1.16	.045	14	2	1.01	60	.01	5	.83	.03	.19	2	2	-
2106	1	131	10	90	.1	29	23	1133	4.57	10	5	ND	1	165	1	2	2	72	3.73	.101	5	10	2.98	45	.01	3	2.07	.03	.16	1	1	-
2107	1	302	12	130	.1	37	34	1115	5.39	7	5	ND	1	157	1	2	2	94	3.22	.070	5	13	3.88	36	.01	3	2.62	.04	.14	1	1	-
2108	1	236	18	129	.1	40	29	1126	4.91	7	5	ND	1	114	1	2	2	81	2.24	.070	5	12	3.28	57	.01	2	2.44	.03	.17	1	9	-
2109	1	75	5	47	.2	12	10	562	2.18	30	5	ND	1	48	1	2	2	19	1.12	.047	10	7	1.10	49	.01	6	.89	.04	.14	2	24	-
2110	1	20	5	104	.2	56	14	1126	3.95	304	5	ND	1	125	1	2	2	44	3.93	.051	4	128	2.75	44	.01	2	1.72	.02	.14	1	176	-
2111	2	115	6	147	.1	34	17	1387	3.73	35	5	ND	2	175	1	2	2	30	5.81	.056	3	16	2.00	51	.01	2	1.20	.01	.18	1	43	-
2112	6	38	10	242	.4	48	28	2030	6.25	40	5	ND	1	117	1	2	2	96	3.92	.091	3	25	4.70	70	.01	2	2.96	.02	.17	1	18	-
2113	1	101	17	177	.1	45	28	1653	5.34	9	5	ND	1	102	1	2	2	121	3.73	.092	2	28	4.14	52	.01	2	2.84	.04	.09	1	1	-
2114	4	104	13	251	.1	59	33	1448	6.21	20	5	ND	1	74	1	2	3	121	2.12	.087	2	33	4.27	55	.01	2	3.03	.04	.12	1	20	-
2114B	1	757	13	1772	.1	169	25	1969	4.65	10	5	ND	2	173	8	2	2	101	7.77	.045	2	413	4.93	34	.01	2	3.26	.01	.08	1	1	-
2115	1	235	6	118	.7	18	16	1084	3.76	17	5	ND	1	66	1	2	2	27	2.22	.110	6	22	1.98	46	.01	2	1.77	.03	.20	1	15	-
2116	1	91	6	117	.5	9	10	1384	3.64	747	5	ND	1	103	1	3	2	20	3.11	.113	5	3	1.56	86	.01	2	1.50	.03	.21	1	360	-
2117	1	28	5	82	.2	8	11	1316	3.98	267	5	ND	1	88	1	2	2	15	2.69	.124	5	1	1.51	53	.01	5	1.20	.02	.29	1	240	-
2118	1	134	5	103	.5	13	14	1141	4.30	92	5	ND	1	80	1	2	3	18	2.47	.131	5	1	1.59	53	.01	4	1.58	.01	.27	1	440	-
2119	1	93	2	119	.1	12	11	1118	4.39	11	5	ND	1	100	1	2	2	22	2.55	.124	4	3	1.79	53	.01	5	1.91	.02	.22	1	93	-
2120	1	39	8	115	.2	13	10	994	4.29	40	5	ND	1	75	1	2	2	22	1.90	.122	5	4	1.79	68	.01	6	1.98	.02	.24	1	22	-
2121	1	31	4	104	.1	20	12	1340	3.92	4	5	ND	1	169	1	2	2	29	4.00	.101	5	12	1.66	102	.01	5	2.01	.03	.23	1	12	-
2122	2	163	11	221	.1	41	21	1292	4.55	13	5	ND	1	110	1	2	2	29	2.79	.099	4	47	2.20	71	.01	5	1.79	.02	.22	1	23	-
2123	1	62	9	181	.1	23	13	1515	3.29	28	5	ND	1	126	1	2	2	21	4.73	.060	4	37	2.14	100	.01	5	1.25	.01	.22	1	16	-
2124	11	126	7	960	.1	85	26	1452	5.01	14	5	ND	1	91	5	2	2	44	2.60	.062	3	55	2.69	38	.01	2	2.29	.02	.18	1	11	-
2125	10	497	20	655	.3	75	36	2274	6.75	8	5	ND	1	125	1	2	3	91	3.75	.076	2	104	3.72	38	.01	2	3.05	.02	.18	1	7	-
2126	1	200	6	278	.1	49	26	2439	5.54	4	6	ND	2	168	1	2	2	92	5.24	.072	2	85	3.65	107	.01	3	3.27	.01	.18	1	3	-
2127	1	163	9	141	.1	34	25	1658	5.48	14	5	ND	1	123	1	2	2	131	4.09	.090	3	93	4.51	77	.01	2	3.59	.03	.12	1	22	-
2128	2	230	18	272	.2	63	27	1897	5.21	7	5	ND	1	144	1	2	5	119	4.30	.069	2	133	4.41	52	.01	2	3.37	.03	.10	1	3	-
2129	63	3655	12	255	1.4	51	25	2087	7.86	11	5	ND	1	110	1	2	2	68	4.10	.055	2	80	2.82	25	.01	2	2.34	.02	.15	1	27	.38
2130	5	353	13	227	.2	42	36	1772	7.28	6	5	ND	1	69	1	2	2	95	2.26	.084	2	86	4.02	39	.01	3	3.19	.01	.16	1	7	.04
2131	43	1104	13	127	.6	30	19	1337	6.37	8	5	ND	1	71	1	2	2	31	2.55	.052	2	44	1.86	16	.01	5	1.69	.02	.19	1	11	.11
2132	2	378	3	83	.2	13	21	1018	3.52	5	5	ND	1	72	1	2	3	22	2.00	.059	4	10	1.29	55	.01	7	1.31	.02	.22	1	1	.04
2133	8	116	22	301	.1	66	30	1840	9.31	13	5	ND	1	67	1	2	5	106	2.02	.064	2	129	4.91	34	.01	2	3.84	.01	.15	1	15	-
2134	2	406	16	307	.1	84	34	2699	5.53	12	6	ND	1	218	1	2	4	75	5.75	.060	2	147	3.78	54	.01	4	3.02	.01	.17	1	2	.04
2135	3	743	8	305	.2	93	33	1761	7.30	26	5	ND	1	82	1	3	2	111	2.61	.065	2	205	5.21	33	.01	3	3.84	.02	.12	1	16	.08
2136	14	500	7	118	.1	2	22	1030	6.40	11	5	ND	1	67	1	2	2	43	2.21	.268	5	2	2.15	50	.01	2	2.15	.03	.24	1	8	-
STD C/AU-R	20	58	38	135	6.9	70	30	1005	3.94	37	14	8	32	48	17	17	19	62	.48	.098	36	57	.88	179	.08	33	1.72	.07	.14	12	515	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	Cu %
2137	19	1693	10	98	.5	8	30	1504	6.51	8	5	ND	2	98	1	2	3	36	3.94	.173	4	5	1.59	37	.01	4	1.64	.03	.14	1	12	.17
2138	8	713	4	242	.1	30	39	1658	8.81	16	5	ND	1	104	1	2	3	96	3.04	.077	2	74	3.71	25	.01	2	3.36	.01	.09	1	9	.07
2139	41	733	10	152	.4	29	26	1691	8.01	13	5	ND	2	99	1	2	2	62	3.21	.084	3	48	2.34	31	.01	3	2.12	.02	.12	1	11	-
2140	3	58	4	101	.1	1	14	1381	4.99	4	5	ND	2	81	1	2	3	43	2.86	.251	7	3	2.24	34	.01	2	2.21	.03	.15	1	3	-
2141	2	127	2	100	.1	2	15	1542	4.76	6	5	ND	2	99	1	2	2	39	3.97	.240	6	2	2.04	47	.01	5	1.94	.02	.18	1	5	-
2142	2	126	5	112	.1	2	16	1347	5.29	6	5	ND	1	73	1	2	3	46	2.93	.276	6	2	2.13	38	.01	3	2.31	.03	.17	1	4	-
2143	2	170	2	103	.1	1	18	1372	5.64	9	5	ND	2	83	1	2	2	50	3.01	.262	6	2	2.27	36	.01	5	2.45	.04	.15	1	3	-
STD C/AU-R	21	61	37	135	6.7	68	29	1006	3.96	42	14	8	32	48	17	15	18	62	.48	.101	35	58	.88	177	.08	34	1.72	.06	.13	12	510	-

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL/ASSAY CERTIFICATE

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: DEC 11 1986 DATE REPORT MAILED: Dec 16/86 ASSAYER.. D.Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE 50076 FILE # 86-3966 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	Cu %
2144	2	76	6	103	.3	1	12	1259	5.32	2	5	ND	1	63	1	2	2	49	2.82	.296	4	1	2.10	41	.01	3	2.20	.10	.15	1	1	-
2145	1	323	12	103	.3	24	20	1562	5.57	3	5	ND	1	90	1	2	2	42	3.73	.224	3	30	1.97	41	.01	2	2.03	.10	.14	1	3	-
2146	6	1625	7	196	.9	38	33	1726	7.27	5	5	ND	1	70	1	2	2	97	2.79	.092	2	51	3.93	23	.01	2	3.02	.10	.10	1	1	.17
2147	7	1029	12	167	.9	97	29	2492	7.00	9	5	ND	1	210	1	4	2	110	7.23	.053	2	246	4.64	41	.01	2	3.58	.11	.07	1	4	.11
2148	1	101	10	100	.3	115	29	1121	5.26	8	5	ND	1	150	1	2	2	109	8.23	.082	2	163	3.68	66	.01	2	2.91	.12	.09	1	1	-
2149	12	77	16	250	.4	49	18	1149	7.79	11	5	ND	1	52	1	2	2	56	2.06	.094	2	75	3.45	26	.01	3	2.69	.09	.11	1	2	-
2150	6	157	6	112	.8	10	14	1025	5.49	37	5	ND	1	67	1	2	2	53	2.36	.160	3	10	2.63	28	.01	2	2.19	.09	.11	1	20	-
2151	3	212	7	103	1.1	13	12	531	4.05	30	5	ND	1	25	1	2	2	31	.82	.093	5	14	1.92	42	.01	3	1.70	.07	.11	1	26	-
2152	2	181	6	129	1.0	30	14	713	4.21	19	5	ND	1	34	1	2	2	35	1.26	.089	3	71	2.25	58	.01	2	1.96	.07	.13	1	12	-
2153	17	87	6	66	1.1	8	7	837	4.99	18	5	ND	1	79	1	2	2	14	3.25	.044	2	10	1.53	27	.01	2	1.31	.10	.09	1	13	-
2154	8	102	2	55	.5	4	5	581	3.02	11	5	ND	2	50	1	2	2	12	1.43	.043	5	3	1.24	31	.01	2	1.00	.08	.09	1	8	-
2155	3	26	3	43	.3	2	4	558	2.56	3	5	ND	1	37	1	2	2	9	1.45	.044	4	2	.86	36	.01	2	.87	.08	.08	1	3	-
2156	3	20	4	63	.1	3	6	831	3.01	7	5	ND	1	69	1	2	2	15	2.42	.079	5	1	1.28	65	.01	3	1.25	.09	.11	1	7	-
2157	9	52	9	171	.3	42	17	1425	9.32	10	5	ND	2	37	1	2	2	85	1.14	.079	2	98	4.37	24	.01	2	3.21	.09	.09	1	13	-
2158	1	111	11	351	.3	70	22	2311	5.25	2	5	ND	1	106	1	4	2	164	6.36	.052	4	189	5.14	20	.02	2	3.64	.11	.04	1	1	-
2159	31	342	12	67	.6	4	16	648	8.21	15	5	ND	1	34	1	2	2	16	1.26	.067	2	3	1.56	13	.01	2	1.39	.08	.12	1	32	-
2160	11	99	8	165	.4	48	20	1234	6.62	15	5	ND	1	56	1	2	2	84	2.50	.075	2	99	3.80	27	.01	2	3.00	.10	.09	1	17	-
2161	1	197	17	163	.4	118	28	1961	6.35	17	5	ND	1	93	1	9	2	189	4.66	.055	3	278	5.82	17	.03	2	4.18	.11	.04	1	3	-
2162	1	92	11	76	.4	108	26	1770	5.00	6	5	ND	1	82	1	3	2	218	6.39	.054	2	383	4.79	10	.14	2	3.21	.12	.02	1	1	-
2163	1	139	11	118	.5	100	24	1721	4.84	52	5	ND	1	125	1	4	2	177	7.05	.076	2	315	4.42	16	.08	5	3.10	.11	.02	1	59	-
2164	1	3222	9	193	.7	94	29	1994	6.76	7	5	ND	1	44	1	4	2	115	1.13	.055	2	220	5.61	37	.12	2	3.58	.08	.03	1	2	.35
2165	1	3626	13	2231	.6	152	35	3089	6.80	13	5	ND	1	57	6	10	3	162	2.28	.069	2	306	6.86	53	.13	3	4.39	.09	.01	1	1	-
2166	1	364	11	4172	.2	133	46	2451	5.69	10	5	ND	1	82	12	2	2	120	3.23	.114	2	167	4.92	68	.17	2	3.28	.09	.01	1	1	-
2167	4	1610	9	23995	.6	112	36	2564	7.19	9	5	ND	1	76	68	2	2	115	1.54	.099	2	140	4.37	10	.14	2	3.19	.08	.01	1	9	.17
2168	1	94	11	810	.3	36	21	1259	5.69	9	5	ND	1	55	2	2	2	175	3.30	.234	6	55	3.16	56	.20	2	2.41	.12	.01	1	4	-
2169	1	143	6	179	.3	72	23	714	3.55	5	5	ND	1	122	1	2	2	100	2.64	.123	2	223	3.63	23	.18	4	3.20	.23	.01	1	1	-
2170	1	237	7	78	.2	33	18	509	4.45	9	5	ND	1	158	1	2	2	130	3.11	.097	3	30	2.76	35	.19	4	3.32	.40	.03	1	1	-
2171	1	111	10	125	.6	36	21	1193	6.97	5	5	ND	1	110	1	4	2	202	4.01	.072	6	81	4.37	91	.15	2	3.61	.26	.07	1	3	-
2172	1	318	6	111	.4	26	18	1205	5.32	2	5	ND	1	92	1	2	2	186	3.06	.081	5	45	3.90	39	.18	2	3.35	.30	.01	1	5	-
2173	1	98	6	96	.4	17	17	1497	5.73	5	5	ND	1	226	1	2	2	240	4.39	.111	7	21	3.90	29	.22	3	3.89	.30	.03	1	1	-
2174	1	122	8	141	.4	35	21	1240	5.81	2	5	ND	1	135	1	2	2	198	5.36	.101	6	72	4.36	36	.04	2	3.90	.27	.05	1	3	-
STD C/AU-R	20	60	41	137	7.2	72	30	1054	3.97	40	17	7	35	49	19	16	20	67	.47	.108	36	59	.87	184	.08	34	1.71	.10	.13	13	510	-

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: DEC 16 1986 DATE REPORT MAILED: Dec 23/86 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE FILE # 86-3994

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2175	2	52	9	102	.4	61	26	1417	5.80	24	5	ND	2	192	1	2	2	140	9.29	.079	6	98	4.75	99	.01	3	3.49	.12	.07	1	3
2176	2	110	6	91	.4	66	28	1258	5.32	18	5	ND	1	183	1	2	2	92	6.74	.074	3	85	5.04	27	.01	3	2.53	.11	.08	1	2
2177	1	51	9	72	.4	45	16	916	3.59	68	9	ND	1	157	1	2	2	45	4.53	.062	5	76	3.22	49	.01	4	1.72	.09	.15	1	21
2178	1	6	5	39	.1	4	5	457	1.80	16	5	ND	1	76	1	2	2	4	2.10	.043	6	1	.90	60	.01	4	.55	.05	.14	1	9
2179	1	5	7	46	.3	4	5	448	2.02	14	5	ND	2	71	1	2	2	5	1.96	.049	6	4	.62	56	.01	4	.67	.05	.19	2	1
2180	2	3	7	43	.5	3	5	762	1.93	24	5	ND	1	107	1	2	2	5	3.72	.053	8	4	.98	44	.01	5	.59	.10	.14	1	20
2181	1	8	7	75	.3	6	8	914	3.53	25	5	ND	1	90	1	2	2	28	4.62	.126	6	3	1.40	75	.01	5	1.15	.09	.12	1	12
2182	2	30	5	93	.5	28	15	1149	3.99	46	5	ND	1	91	1	2	2	39	3.56	.049	4	43	2.91	31	.01	3	1.80	.09	.10	1	17
2183	2	33	5	93	.3	24	13	1263	3.48	21	5	ND	1	112	1	2	2	33	4.26	.043	6	36	2.71	60	.01	4	1.62	.09	.10	1	8
2184	1	55	7	71	.3	18	12	1688	3.07	22	5	ND	2	325	1	2	2	46	7.69	.036	7	37	2.25	33	.01	2	1.77	.10	.07	1	2
2185	1	46	8	89	.3	26	14	808	3.55	9	5	ND	2	86	1	2	2	43	2.73	.043	11	48	2.42	32	.01	2	2.14	.09	.09	1	1
2186	1	53	10	86	.4	23	12	979	3.39	191	5	ND	1	120	1	2	2	37	3.81	.039	5	38	2.11	25	.01	2	1.65	.09	.07	1	60
2187	1	78	8	98	.3	1	13	817	5.19	173	5	ND	2	132	1	2	2	47	3.44	.313	6	1	1.88	52	.01	3	2.14	.09	.14	1	275
2188	1	14	7	95	.2	1	13	854	5.09	14	5	ND	1	94	1	2	2	57	3.15	.306	5	1	2.11	41	.01	2	2.35	.09	.11	1	14
2189	1	12	6	94	.3	1	14	586	5.57	185	5	ND	1	64	1	2	2	60	1.59	.301	6	1	2.11	50	.01	3	2.26	.09	.12	1	131
2201	1	206	8	66	.8	17	12	1581	5.05	58	5	ND	1	101	1	5	3	31	8.24	.023	3	14	.74	5	.01	2	.83	.09	.02	1	138
2202	1	166	13	79	1.1	18	12	1115	6.49	28	6	ND	1	54	1	2	2	54	4.43	.065	3	23	.85	5	.01	4	1.06	.08	.01	1	128
2203	1	285	14	84	7.2	17	15	796	6.00	794	7	ND	1	175	1	49	2	15	6.51	.093	2	2	1.44	9	.01	6	.14	.09	.06	1	585
2204	1	693	6	141	1.3	25	21	1371	8.53	51	5	ND	2	46	1	2	2	57	2.82	.096	3	35	1.12	7	.01	3	1.56	.07	.06	1	19
2205	1	115	16	117	.6	27	9	943	10.11	123	5	ND	2	47	1	2	2	64	3.09	.086	3	30	1.53	7	.01	3	1.75	.08	.03	1	142
2206	1	84	7	64	.4	151	30	814	5.36	155	5	ND	1	102	1	3	2	55	7.53	.049	2	199	4.55	19	.01	5	2.03	.11	.11	1	30
2207	2	81	15	108	4.3	203	29	1015	5.54	430	5	ND	1	255	1	32	2	37	11.38	.047	2	130	4.29	20	.01	12	.75	.11	.10	1	615
2208	2	59	5	69	.6	143	32	947	5.70	127	10	ND	2	120	1	5	3	62	8.00	.072	3	147	4.91	23	.01	9	1.74	.11	.13	1	44
2209	2	128	6	82	.6	94	20	721	6.38	85	7	ND	3	94	1	3	2	115	5.19	.290	6	124	4.03	6	.01	3	2.65	.10	.06	1	1
2210	1	39	5	62	1.4	149	26	996	5.29	209	7	ND	2	323	1	9	2	49	12.33	.067	4	114	4.65	14	.01	8	1.06	.12	.11	1	17
2211	2	49	5	67	.8	197	31	1006	5.63	174	6	ND	2	237	1	7	4	64	10.07	.066	4	222	5.12	14	.01	8	1.69	.11	.07	1	185
2212	1	34	7	61	.5	113	21	603	4.90	238	5	ND	1	73	1	3	2	50	6.26	.049	3	89	3.11	19	.01	4	1.86	.09	.07	1	560
2213	2	34	4	61	.4	77	20	659	4.52	317	9	ND	1	116	1	2	2	46	5.89	.060	4	65	3.43	19	.01	7	1.38	.09	.09	1	285
2214	1	47	11	69	.4	12	14	829	4.67	44	10	ND	3	113	1	2	2	36	6.74	.133	8	10	1.75	38	.01	6	1.09	.10	.16	1	95
2215	1	53	9	66	.6	8	12	841	4.58	147	5	ND	2	154	1	10	2	20	8.43	.124	5	3	1.77	35	.01	11	.32	.10	.18	1	665
STD C/AU-R	21	59	43	141	7.0	70	29	1034	3.93	35	17	7	35	48	18	15	18	65	.45	.104	36	63	.88	182	.08	34	1.72	.10	.12	12	505

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: DEC 18 1986 DATE REPORT MAILED: Dec 24/86 ASSAYER. D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE 50076 FILE # 86-4012 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2190	2	32	12	59	.9	86	24	1553	4.11	3534	5	ND	1	295	1	2	2	91	11.18	.058	4	180	2.67	34	.01	2	1.53	.12	.10	1	1260
2191	2	70	3	90	.2	123	30	1144	5.24	113	5	ND	2	201	1	2	2	203	7.74	.071	4	411	4.34	21	.01	2	3.16	.13	.03	1	32
2192	2	96	3	79	.6	131	32	1194	5.54	155	5	ND	2	188	1	2	2	207	8.31	.072	3	386	4.20	24	.01	2	3.14	.14	.03	1	50
2193	2	109	2	71	2.0	36	25	1090	5.67	1822	5	ND	2	188	1	2	2	128	6.00	.071	3	21	3.40	57	.01	3	2.14	.12	.15	17	680
2194	2	130	2	85	1.3	59	26	1173	5.46	1968	5	ND	2	200	1	5	2	111	6.25	.070	3	62	3.57	41	.01	2	1.84	.13	.12	1	645
2195	3	124	2	64	1.7	31	22	1227	5.05	1723	5	ND	2	267	1	2	2	87	7.77	.064	4	13	2.91	43	.01	3	1.91	.12	.15	1	790
2196	2	77	6	75	.6	65	27	1195	5.19	318	5	ND	3	215	1	2	2	122	8.43	.083	5	71	3.25	38	.01	3	2.75	.13	.14	1	1410
2197	3	10	6	84	.1	45	27	1372	5.34	128	5	ND	2	237	1	2	2	121	9.07	.099	5	15	3.05	45	.01	2	2.81	.13	.14	1	81
2198	1	14	3	101	.1	40	25	1303	5.51	43	5	ND	2	227	1	2	2	122	7.83	.104	5	15	3.12	58	.01	2	2.94	.13	.11	1	41
2199	3	164	6	107	.4	105	31	1203	7.85	88	5	ND	3	170	1	3	2	127	6.93	.083	3	131	3.92	38	.01	2	3.58	.13	.12	1	175
2200	1	27	2	85	.1	88	22	1020	4.80	17	5	ND	2	179	1	2	2	85	6.55	.187	5	242	2.97	53	.01	4	2.56	.12	.17	1	3
2251	1	32	2	80	.2	50	14	1096	4.41	12	5	ND	1	212	1	2	2	56	7.15	.229	7	165	2.62	67	.01	4	2.54	.11	.23	1	4
2252	2	153	2	156	.1	34	16	991	3.34	12	5	ND	1	201	1	2	2	38	5.37	.046	5	42	2.43	41	.01	5	2.13	.11	.16	1	2
STD C/AU-R	22	60	40	136	7.0	68	29	1049	3.80	41	18	8	36	50	18	15	22	67	.46	.105	38	58	.84	187	.08	35	1.67	.10	.14	15	510

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: DEC 22 1986 DATE REPORT MAILED: Jan 6/88 ASSAYER. D Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE FILE # 86-4049 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
~~2253A~~	1	43	12	79	.3	11	13	816	4.14	28	5	ND	2	79	1	5	2	60	1.45	.091	10	7	3.72	67	.01	3	2.69	.07	.18	1	15
2253B	1	286	6	93	.3	16	22	1073	5.91	5	5	ND	2	79	1	3	2	145	2.31	.108	10	8	4.58	51	.01	3	3.57	.08	.13	1	29
2254	1	143	12	103	1.3	34	25	1227	5.81	5161	5	ND	1	229	1	7	2	97	4.78	.074	3	8	4.82	36	.01	4	2.42	.09	.15	1	875
2255	1	95	2	60	.8	7	5	632	2.00	3453	6	ND	2	157	1	2	2	12	3.53	.055	8	4	1.20	52	.01	3	.64	.07	.23	1	615
2256	1	6	3	33	.4	3	3	325	1.51	111	5	ND	3	50	1	2	2	6	.73	.039	17	2	.98	41	.01	3	.86	.05	.23	1	66
2257	1	3	5	38	.1	3	3	294	1.47	51	5	ND	4	42	1	2	2	5	.57	.041	26	4	1.01	45	.01	3	.99	.06	.21	1	19
2258	1	64	9	74	.3	60	23	958	5.60	165	7	ND	2	131	1	8	2	186	4.05	.070	3	196	5.31	47	.01	2	3.36	.09	.04	1	275
2259	1	157	7	75	.3	39	24	937	6.46	30	5	ND	1	97	1	3	2	221	3.67	.066	2	53	4.92	21	.01	2	3.59	.10	.02	1	65
2260	1	141	10	69	.3	39	24	970	6.33	17	7	ND	2	141	1	5	2	215	5.16	.068	3	52	4.07	304	.01	2	3.25	.11	.01	1	24
2261	1	97	6	83	.6	42	26	922	6.03	170	5	ND	1	120	1	3	2	187	5.16	.071	2	37	3.77	25	.01	2	3.00	.11	.03	1	122
2262	1	77	7	98	.6	29	21	1066	5.37	845	5	ND	2	171	1	4	2	106	5.50	.070	3	21	3.79	53	.01	2	2.51	.09	.10	1	720
2263	1	165	8	128	1.4	44	28	1106	6.13	2527	5	ND	1	112	1	4	2	145	5.15	.082	2	24	4.12	33	.01	2	2.76	.09	.09	1	845
2264	1	14	3	37	.3	5	5	511	2.18	220	5	ND	2	87	1	2	2	12	2.00	.065	9	2	.89	115	.01	3	.59	.07	.20	1	108
2265	1	11	7	49	.2	5	5	568	2.29	52	5	ND	2	68	1	2	2	19	1.48	.069	14	5	1.07	67	.01	3	1.15	.07	.20	1	32
2266	1	10	3	32	.4	3	4	410	1.63	319	5	ND	2	71	1	2	2	5	1.64	.072	11	3	.55	104	.01	4	.42	.06	.27	1	98
2267	1	13	3	28	.3	3	5	640	1.74	141	5	ND	1	113	1	2	2	6	3.02	.061	8	4	.71	95	.01	3	.46	.05	.24	1	92
2268	1	9	2	41	.3	5	5	640	1.79	37	5	ND	3	103	1	2	2	11	2.97	.062	13	1	.93	98	.01	3	.78	.06	.27	1	36
2269	1	8	4	25	.1	7	9	599	1.81	14	6	ND	2	121	1	2	2	7	2.35	.062	8	1	.72	98	.01	4	.69	.04	.25	1	11
2270	1	13	5	21	.3	6	8	597	1.52	26	6	ND	2	135	1	2	2	6	2.58	.058	8	3	.56	164	.01	5	.54	.04	.28	1	9
2271	1	6	5	20	.1	6	7	426	1.43	16	5	ND	1	99	1	2	2	5	1.68	.049	7	3	.41	154	.01	4	.57	.04	.27	1	5
2272	3	41	7	130	.4	87	25	1011	4.33	6	5	ND	2	124	1	4	2	136	8.23	.081	5	271	3.64	70	.08	2	2.34	.11	.01	1	4
STD C/AU-R	21	60	41	134	7.0	68	28	997	3.98	41	18	7	33	47	17	15	22	63	.45	.102	35	57	.88	175	.08	36	1.64	.09	.13	14	510

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JAN 9 1987 DATE REPORT MAILED: Jan 15/87 ASSAYER. D. Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE FILE # 87-0033 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2296	2	41	6	53	.1	9	8	362	2.24	77	7	ND	2	70	1	2	2	13	2.93	.063	12	12	.92	70	.01	2	1.18	.02	.16	1	17
2297	2	28	4	52	.4	5	7	358	2.03	841	8	ND	2	81	1	2	2	8	2.63	.077	10	4	.41	62	.01	2	.91	.02	.30	1	130
2298	1	57	8	99	.8	40	17	599	4.56	1460	13	ND	3	179	1	2	2	44	4.41	.076	4	100	2.58	38	.01	2	2.60	.01	.14	1	205
2299	1	16	7	56	.4	7	9	270	2.05	36	12	ND	4	94	1	2	2	9	3.67	.122	6	1	.50	61	.01	2	.98	.01	.24	1	5
2300	1	41	15	119	.1	65	14	455	6.11	36	8	ND	3	81	1	2	2	81	2.71	.215	5	107	2.55	21	.01	2	3.15	.01	.06	1	8
2351	1	13	5	30	.1	6	9	135	1.26	7	5	ND	1	49	1	2	2	6	1.54	.084	13	2	.30	67	.01	4	.71	.01	.22	1	3
2352	1	19	5	35	.2	18	9	340	1.97	12	11	ND	4	102	1	2	2	24	4.76	.054	9	25	1.02	126	.01	2	1.13	.02	.09	2	26
2353	1	94	5	72	1.0	41	32	367	4.00	130	9	ND	4	119	1	2	2	96	4.46	.059	6	5	2.08	132	.01	2	2.45	.02	.13	1	42
2354	1	66	3	54	.5	9	10	339	4.05	965	10	ND	4	97	1	2	2	36	3.04	.082	9	7	2.38	82	.01	5	2.53	.02	.18	1	57
2355	1	4	5	48	.1	8	8	351	3.34	27	5	ND	3	99	1	2	2	44	2.64	.075	15	5	2.39	67	.01	2	2.42	.03	.13	1	3
2356	4	29	6	42	.5	9	7	237	2.70	12	7	ND	4	49	1	2	2	23	1.18	.065	11	10	2.32	48	.01	2	1.79	.04	.14	1	1
2357	14	67	7	47	.5	18	11	349	4.22	26	9	ND	3	74	1	2	2	38	2.08	.081	5	9	2.81	49	.01	3	1.85	.03	.16	1	4
2358	1	12	9	72	.1	6	10	774	3.45	8	5	ND	1	22	1	2	2	37	.87	.076	7	13	2.74	19	.01	3	2.29	.03	.10	1	2
2359	1	405	2	238	.4	106	36	1586	6.00	34	5	ND	1	25	1	2	2	145	.56	.022	2	409	8.00	7	.01	4	5.31	.01	.02	1	1
2360	1	556	10	205	.5	46	21	1288	4.85	22	7	ND	2	22	1	8	2	121	.82	.043	4	95	5.61	13	.01	3	3.96	.01	.03	1	1
2361	1	462	19	289	.7	158	38	1867	5.39	57	11	ND	3	88	1	30	2	109	4.10	.026	2	388	5.87	52	.01	9	4.34	.01	.06	1	5
2362	1	173	10	377	.4	137	31	1894	5.68	24	11	ND	3	76	1	30	2	126	4.08	.027	2	379	6.33	42	.01	4	4.65	.01	.04	1	1
2363	6	23	6	48	.1	11	8	638	2.50	58	7	ND	2	57	1	2	2	13	1.91	.048	6	21	1.12	80	.01	9	.94	.02	.17	1	14
2364	3	15	6	77	.2	19	8	726	3.01	29	9	ND	3	38	1	2	2	24	1.48	.069	9	41	1.81	49	.01	3	1.70	.03	.15	1	2
2365	1	13	4	75	.1	17	11	904	3.57	173	7	ND	2	55	1	2	2	30	2.33	.087	5	7	1.75	82	.01	5	1.70	.02	.18	1	33
2366	1	10	4	58	.2	8	9	865	3.24	417	10	ND	2	69	1	2	2	26	2.65	.090	5	4	1.43	77	.01	4	1.47	.02	.17	1	34
2367	1	10	6	67	.3	5	11	787	3.54	415	8	ND	2	49	1	2	2	26	1.75	.090	4	4	1.58	59	.01	4	1.46	.02	.20	1	32
2368	1	8	7	74	.1	8	9	784	3.62	58	5	ND	2	34	1	2	2	38	1.46	.089	6	4	1.93	50	.01	8	1.93	.03	.18	1	13
2369	4	21	6	70	.2	7	15	1079	3.97	189	7	ND	2	80	1	2	2	24	3.59	.072	2	4	1.81	47	.01	4	1.26	.01	.17	1	31
2370	12	200	13	150	1.2	88	35	1599	8.70	476	11	ND	3	75	1	42	2	76	3.35	.035	2	209	4.34	21	.01	2	2.88	.01	.12	1	28
2371	11	1273	18	144	1.9	63	23	1384	9.69	203	9	ND	1	50	1	96	2	79	1.78	.036	2	151	4.06	16	.01	2	2.60	.01	.07	1	24
STD C/AU-R	20	60	41	36	6.8	65	28	976	3.93	43	20	8	34	48	16	15	21	62	.48	.098	35	56	.88	182	.09	35	1.71	.06	.15	13	510

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: DEC 22 1986 DATE REPORT MAILED: Jan 7/87 ASSAYER D. Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES FILE # 86-4048 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2282	15	858	39	225	7.6	126	47	1263	13.59	174	5	ND	1	67	2	60	5	101	2.38	.033	2	281	4.79	26	.01	9	3.11	.07	.08	1	78
2283	25	10118✓	32	152	5.9	74	27	866	17.80	75	7	ND	1	57	3	13	2	55	2.24	.024	2	143	2.39	23	.01	10	1.64	.07	.09	1	58
2284	9	944	44	224	3.0	102	44	1461	8.42	100	7	ND	1	88	2	23	4	87	5.01	.035	2	217	4.33	33	.01	2	3.13	.07	.07	1	28
2285	3	292	6	124	34.9	27	20	963	5.47	3786	5	ND	1	96	5	92	2	50	3.94	.070	3	16	2.07	43	.01	2	1.98	.07	.16	71	410
2286	17	88	14	161	.7	101	122	1638	21.56	61	5	ND	1	20	2	11	6	111	.68	.029	2	295	6.72	4	.01	13	4.73	.07	.01	1	24
2287	8	42	2	173	.5	109	49	2021	10.98	127	5	ND	1	64	2	16	5	120	2.64	.029	2	309	7.21	8	.01	2	5.04	.07	.02	1	3
2288	8	321	3	189	.8	119	49	1978	11.06	201	5	ND	1	61	1	13	8	125	3.29	.028	2	362	7.92	8	.01	2	5.33	.08	.01	1	29
2289	2	45	8	59	2.2	21	10	948	3.36	4973	7	ND	1	103	1	2	3	14	5.32	.078	4	17	1.62	28	.01	3	.96	.06	.17	1	430
2290	6	100	10	141	5.5	99	23	1225	5.32	583	5	ND	1	131	6	26	2	50	6.02	.033	2	156	3.30	33	.01	2	2.17	.07	.13	4	131
2291	10	20065✓	15	226	35.1	76	82	1442	20.90	164	5	ND	1	46	5	113	2	70	1.64	.022	2	194	4.34	7	.01	14	3.12	.07	.06	1	81
2292	18	1773	9	49	14.9	6	32	419	4.17	288	5	ND	2	27	2	199	2	5	1.79	.035	3	3	.61	37	.01	3	.60	.05	.16	1	23
2293	3	14	10	69	2.1	44	14	1261	3.17	1052	5	ND	1	143	2	5	3	31	8.76	.030	3	67	2.01	29	.01	4	1.08	.09	.12	188✓	149
2294	3	17	9	102	.9	78	22	1684	4.80	382	5	ND	1	170	1	4	5	75	13.66	.042	4	297	3.72	39	.05	3	2.32	.10	.16	4	49
2295	33	10941✓	12	250	17.4	96	53	1675	8.58	212	6	ND	1	108	4	35	2	85	8.77	.044	3	261	4.64	27	.03	2	3.54	.08	.10	23	36
STD C/AU-R	21	59	39	129	6.9	68	28	952	3.96	42	18	7	32	45	17	15	20	60	.48	.100	38	58	.88	168	.08	37	1.73	.08	.12	13	505

✓ Assay required for correct result

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED JAN 30 1987

DATE REPORTS MAILED Feb 3/86

ASSAY CERTIFICATE

SAMPLE TYPE : PULP

ASSAYER _____ DEAN TOYE . CERTIFIED B.C. ASSAYER

WESTMIN RESOURCES FILE# 86-4048 R

SAMPLE	W %
2285	.01
2293	.02

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JAN 6 1987 DATE REPORT MAILED: Jan 8/87 ASSAYER. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES FILE # 87-0018

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2273	2	6736	93	170	13.4	29	37	1013	10.17	466	8	ND	1	89	2	42	2	62	1.59	.038	2	19	5.04	29	.01	2	2.94	.01	.08	1	84
2274	4	4634	72	2996	9.0	32	27	813	8.34	531	7	ND	1	35	17	40	2	92	.55	.041	2	24	6.53	26	.01	5	4.12	.01	.06	1	50
2275	1	62	9	118	.2	11	13	688	3.97	7	5	ND	1	20	1	2	2	54	.39	.078	6	16	5.05	35	.01	2	3.46	.02	.09	1	1
2276	1	299	7	143	2.9	18	25	1036	4.71	238	5	ND	1	66	1	11	2	42	2.88	.062	3	40	2.78	26	.01	2	1.98	.02	.09	1	68
2277	1	22	2	61	.4	4	6	880	2.21	246	5	ND	3	90	1	2	2	10	4.37	.056	4	4	1.03	42	.01	4	.80	.02	.09	1	42
2278	1	23	4	81	.1	17	12	615	4.00	61	5	ND	1	42	1	2	2	36	1.49	.059	5	38	2.63	62	.01	4	1.94	.03	.07	1	13
2279	2	146	12	133	9.5	34	27	1609	5.19	2863	5	ND	4	230	2	25	2	29	8.10	.042	3	26	3.22	34	.01	5	1.06	.01	.12	1	425
2280	2	96	6	159	8.1	52	25	1854	5.03	3082	5	ND	4	159	2	14	2	62	6.19	.040	3	91	4.40	34	.01	4	2.39	.01	.08	12	395
2281	1	649	7	307	.3	92	27	1719	5.69	33	5	ND	3	107	1	2	2	93	6.28	.033	3	267	4.76	45	.01	9	3.91	.01	.11	1	1
STD C/AU-R	20	59	38	131	6.7	64	29	974	3.95	38	17	8	32	47	16	15	20	60	.48	.096	34	56	.88	175	.08	35	1.72	.04	.13	14	500

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JAN 13 1987 DATE REPORT MAILED: Jan 15/87 ASSAYER D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - 70087 DEBBIE FILE # 87-0062

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2376	1	27	11	52	.1	133	22	768	5.44	14	5	ND	6	196	1	2	2	111	7.14	.023	2	388	3.71	84	.13	3	2.99	.03	.07	1	10
2377	2	268	11	170	2.4	126	33	1377	6.13	2181	5	ND	3	146	1	46	2	77	4.80	.037	3	258	5.22	38	.01	11	3.41	.02	.19	1	230
2378	5	9	5	16	.2	9	6	405	1.46	133	5	ND	2	42	1	2	2	5	1.85	.022	5	11	.43	33	.01	7	.43	.01	.14	1	54
2379	5	23	3	32	1.0	7	9	462	2.17	154	5	ND	2	54	1	4	4	4	2.52	.049	5	5	.46	56	.01	10	.58	.01	.27	1	28
2380	8	4249	5	41	1.4	9	18	575	3.03	18	5	ND	2	53	1	2	2	12	2.16	.043	6	17	.80	53	.01	7	.96	.05	.16	1	12
2381	12	2602	9	119	2.7	124	44	1801	6.06	351	5	ND	5	112	1	4	2	44	5.63	.050	9	170	3.83	46	.01	10	3.07	.02	.18	1	58
2382	2	342	13	53	.9	6	16	525	2.29	419	5	ND	3	37	1	10	2	7	1.99	.054	6	7	.69	99	.01	4	.71	.03	.16	1	43
STD C/AU-R	20	60	37	132	6.8	68	28	986	3.94	38	22	8	33	48	16	15	19	61	.48	.097	35	56	.88	181	.08	36	1.72	.06	.14	13	530

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JAN 12 1987 DATE REPORT MAILED: Jan 19/87 ASSAYER.. D. Toye .DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE FILE # 87-0045

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2372	7	199	20	121	3.1	61	24	1449	5.89	378	5	ND	1	70	1	20	2	55	3.03	.048	2	150	3.73	28	.01	3	2.12	.01	.12	1	28
2373	3	103	11	120	1.5	38	21	1777	5.11	129	5	ND	3	131	1	8	2	53	6.84	.041	3	51	3.07	41	.01	6	2.14	.01	.15	1	12
2374	2	63	7	109	.3	23	15	1293	3.87	128	5	ND	2	77	1	2	2	38	4.93	.057	4	15	2.42	44	.01	3	2.09	.02	.16	1	14
2375	2	53	13	113	.1	22	17	1053	4.29	10	5	ND	1	52	1	2	2	46	3.09	.067	4	20	2.66	46	.01	6	2.42	.02	.16	1	10
STD C/AU-R	20	62	38	131	7.0	69	29	976	3.95	38	19	8	33	48	17	15	20	61	.48	.098	35	56	.88	180	.08	36	1.72	.06	.14	13	520

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JAN 19 1987 DATE REPORT MAILED: Jan 26/87 ASSAYER D. Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE FILE # 87-0099

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2383	1	891	8	201	.4	114	15	967	1.72	5	5	ND	2	107	1	2	2	45	5.93	.040	2	219	1.61	87	.14	6	1.27	.02	.01	1	1
2384	45	8601	18	103	1.9	227	36	1242	4.61	5	5	ND	1	83	1	2	2	68	2.47	.033	2	414	3.30	29	.15	4	2.23	.04	.01	1	14
2385	9	1490	10	398	.3	123	27	1343	3.88	5	5	ND	1	87	2	2	2	67	2.74	.028	2	302	2.95	21	.12	6	2.18	.02	.01	1	8
2386	9	1118	10	472	.9	65	28	1478	5.79	29	5	ND	1	58	2	2	2	97	2.44	.046	2	99	3.26	57	.13	2	2.90	.02	.08	1	11
2387	6	2353	14	53	16.5	14	15	538	2.12	618	5	ND	3	74	2	9	2	12	3.58	.046	5	18	.70	85	.01	6	.75	.01	.17	2	445
2388	1	87	13	128	.1	95	29	1521	4.68	23	5	ND	3	95	1	2	2	118	5.55	.034	2	103	4.54	18	.10	2	3.60	.03	.09	1	3
2389	1	101	7	126	.1	82	28	1477	3.49	31	5	ND	2	79	1	2	2	80	4.27	.033	2	75	4.05	44	.09	2	2.89	.02	.05	1	15
2390	1	4404	7	91	4.0	55	19	1356	4.23	90	5	ND	3	123	1	2	2	64	5.68	.031	2	71	2.82	14	.06	2	2.44	.02	.12	6	116
2391	1	1189	11	120	.5	70	27	1564	4.33	25	5	ND	2	88	1	2	2	84	4.31	.033	2	127	4.02	16	.09	5	3.05	.01	.07	1	13
2392	2	2696	5	111	.5	74	22	1341	3.36	2	5	ND	1	64	1	2	2	64	2.33	.033	2	114	3.57	12	.11	5	2.58	.01	.05	1	6
2393	2	3639	7	90	.4	59	20	1144	2.84	2	5	ND	1	67	1	2	2	55	2.13	.031	2	84	3.02	18	.11	7	2.19	.01	.02	1	4
2394	1	191	4	145	.1	61	40	1922	3.81	3	5	ND	1	73	1	2	6	87	2.89	.034	2	153	5.00	6	.15	7	3.21	.02	.01	1	5
2395	7	1944	10	906	.4	56	30	1703	8.37	8	5	ND	1	25	3	2	2	108	.78	.031	2	168	4.64	9	.07	7	3.51	.02	.03	2	7
2396	1	62	7	87	1.3	51	19	1464	3.40	1044	6	ND	4	199	1	2	2	46	11.65	.032	4	78	2.05	47	.01	5	1.62	.02	.17	7	148
2397	20	915	14	103	14.7	76	31	1304	4.68	1364	5	ND	3	127	3	74	2	47	6.98	.033	3	67	2.69	27	.06	6	1.55	.04	.15	260✓	455
2398	5	1000	15	151	67.3✓	76	29	863	4.85	1529	5	ND	2	87	12	342	2	31	4.46	.030	2	53	1.57	20	.06	18	1.00	.03	.20	990✓	995
2399	1	13	8	51	2.9	86	16	751	2.66	478	5	ND	2	84	1	2	2	30	4.85	.022	2	82	1.61	34	.07	4	.92	.02	.12	110✓	77
2400	1	10	12	78	.7	136	23	1264	3.87	224	5	ND	4	138	1	2	2	106	7.59	.035	2	258	3.47	14	.06	5	2.49	.02	.10	4	13
2501	5	4	13	90	.1	135	24	1360	3.95	72	5	ND	3	156	1	2	2	108	7.91	.035	2	301	3.48	18	.03	6	2.68	.02	.12	1	9
2502	1	10	11	99	.9	179	26	1394	4.33	403	5	ND	3	120	1	2	4	101	6.93	.037	3	295	4.15	13	.03	5	2.69	.02	.12	1	32
2503	1	80	7	36	5.3	41	8	219	1.18	201	5	ND	1	16	2	16	2	18	.90	.010	2	58	.74	7	.01	2	.52	.01	.05	21	46
2504	1	43	23	104	1.4	126	23	1266	4.01	820	5	ND	4	113	2	2	4	101	8.08	.033	2	256	3.38	17	.04	8	2.60	.02	.11	1	54
2505	4	276	14	330	2.5	4	16	386	2.18	155	5	ND	3	28	6	2	2	11	2.43	.053	8	2	.57	27	.01	7	.86	.05	.13	1	295
2506	12	157	2	41	.4	7	14	528	2.21	34	5	ND	4	45	1	2	2	14	3.12	.057	8	8	.70	34	.01	7	.91	.05	.14	4	8
STD C/AU-R	21	61	36	139	7.0	73	30	1049	3.94	38	14	7	35	52	17	17	17	67	.48	.104	38	61	.88	195	.09	36	1.72	.07	.16	13	510

✓ASSAY REQUIRED FOR CORRECT RESULT -

ME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED FEB 3 1987

DATE REPORTS MAILED Feb 6/87

ASSAY CERTIFICATE

SAMPLE TYPE : PULP

ASSAYER D. Toye DEAN TOYE . CERTIFIED B.C. ASSAYER

WESTMIN RESOURCES PROJECT DEBBIE FILE# 87-0099 R

SAMPLE	W %
2397	.03
2398	.16
2399	.01

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: FEB 11 1987 DATE REPORT MAILED: Feb 16/87 ASSAYER.. DEAN TOYE. CERTIFIED B.C. ASSAYER.

DR 17

WESTMIN RESOURCES PROJECT - DEBBIE FILE # 87-0305 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2581	1	59	13	114	.5	31	17	648	5.22	628	5	ND	2	64	1	2	2	49	2.11	.092	11	46	2.87	82	.01	2	2.71	.01	.14	1	105
2582	1	20	11	68	.1	6	8	578	3.09	11	5	ND	4	215	1	2	2	20	5.12	.086	13	2	1.77	68	.01	2	1.97	.01	.17	1	3
2583	1	6	3	142	.1	22	14	661	4.50	152	5	ND	1	20	1	2	6	74	.30	.074	7	24	6.67	52	.01	2	4.08	.02	.10	1	14
2584	1	77	13	156	.3	125	27	1381	5.45	143	5	ND	5	97	1	3	2	109	6.64	.044	3	319	5.92	18	.01	6	3.82	.01	.06	1	25
2585	2	21	15	91	.7	41	24	1075	5.97	152	5	ND	3	81	1	2	2	46	3.64	.043	3	84	3.08	26	.01	2	2.03	.01	.07	1	32
2586	1	40	9	107	5.3	35	20	1279	4.54	1322	5	ND	3	107	1	4	2	51	3.67	.054	3	61	3.80	21	.01	2	2.16	.02	.07	1	230
2587	1	71	10	131	.5	26	21	1513	5.00	208	5	ND	4	100	1	5	2	77	5.55	.057	5	15	3.04	30	.01	6	3.08	.02	.12	1	12
2588	1	58	14	92	1.3	69	20	1202	4.04	1624	5	ND	5	178	1	2	2	55	7.39	.043	4	168	3.20	31	.01	5	2.04	.02	.13	1	260
2589	2	136	13	134	1.4	101	38	1491	7.86	219	5	ND	3	107	1	3	2	89	3.91	.032	3	225	5.23	18	.01	6	3.53	.02	.10	1	142
2590	2	4356	13	115	15.7	81	38	1337	8.42	401	5	ND	4	136	2	89	2	50	5.56	.034	3	147	3.06	22	.01	7	2.09	.01	.11	1	91
2591	3	3812	16	150	3.5	103	79	1816	18.00	47	5	ND	2	56	1	2	2	106	1.78	.021	2	300	5.69	11	.08	6	3.98	.01	.06	1	29
2592	1	3470	11	124	1.4	94	52	1641	11.18	23	5	ND	2	63	1	2	2	94	3.00	.025	2	248	4.71	14	.09	2	3.53	.01	.07	1	14
2593	7	2245	9	150	1.0	65	23	1855	5.21	15	5	ND	5	111	1	2	2	67	8.49	.034	3	267	3.43	140	.02	8	2.91	.01	.13	1	1
2594	2	1712	8	1044	.1	70	26	1667	5.14	10	5	ND	3	80	5	2	2	99	4.41	.034	2	349	3.81	41	.12	4	2.92	.01	.05	1	1
2595	1	1016	12	130	.6	89	30	1514	5.58	119	5	ND	5	109	1	2	2	101	7.19	.039	3	152	4.47	22	.02	6	3.53	.02	.10	1	18
STD C/AU-R	20	60	38	133	7.0	67	28	1011	4.00	40	15	8	34	49	17	16	23	63	.48	.101	36	58	.88	181	.08	36	1.72	.07	.14	13	480

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JAN 23 1987 DATE REPORT MAILED: Jan 27/87 ASSAYER. D. Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE FILE # 87-0132

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2507	2	84	17	79	.4	22	19	419	4.26	16	5	ND	1	83	1	2	2	35	2.14	.076	6	24	2.64	58	.01	11	2.50	.02	.30	1	12
2508	1	55	9	67	.6	23	13	615	3.42	1041	5	ND	2	190	1	2	2	20	5.27	.067	5	17	1.86	58	.01	6	1.54	.02	.25	4	163
2509	4	61	13	58	.2	20	17	998	4.39	13	5	ND	3	198	1	2	2	38	5.99	.060	4	19	2.90	99	.01	4	2.13	.01	.21	1	9
2510	1	91	13	77	.5	27	14	1118	4.55	8	5	ND	3	129	1	2	2	44	5.64	.060	6	55	2.66	48	.01	5	2.35	.02	.16	1	15
2511	1	9	12	86	.6	22	12	1023	4.72	7	5	ND	2	77	1	2	2	51	3.36	.064	6	65	3.11	39	.01	9	2.55	.03	.15	1	19
2512	1	175	17	68	1.4	39	20	1424	5.38	15	5	ND	4	162	1	2	2	44	7.20	.057	5	100	2.76	53	.01	25	2.46	.02	.21	1	34
2513	1	108	20	83	1.5	56	20	1190	6.80	18	5	ND	2	93	1	2	2	66	3.95	.073	5	105	3.83	44	.01	11	3.12	.01	.19	1	28
2514	1	138	13	84	1.4	52	18	979	4.61	11	5	ND	2	77	1	2	2	40	3.13	.090	5	108	2.98	104	.01	10	2.52	.02	.19	1	13
STD C/AU-R	20	60	41	136	7.0	65	30	1033	3.97	38	17	8	35	51	17	16	22	65	.48	.100	37	59	.88	174	.09	36	1.73	.07	.16	13	540

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JAN 26 1987 DATE REPORT MAILED: Feb 2/87 ASSAYER. ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE FILE # 87-0156

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2515	1	214	8	88	1.3	88	22	1087	4.70	38	5	ND	1	95	1	2	2	47	3.44	.095	4	194	3.19	48	.01	3	2.64	.02	.13	1	22
2516	1	23	4	98	1.6	118	22	1600	6.63	16	5	ND	2	160	1	2	2	75	5.91	.068	4	266	4.09	44	.01	3	3.32	.01	.15	1	16
2517	1	40	14	144	.9	240	26	1484	6.91	15	5	ND	1	87	1	2	2	93	3.58	.067	3	492	6.00	58	.01	2	4.50	.01	.13	1	1
2518	1	852	29	124	5.3	227	37	1493	9.34	10	5	ND	1	86	2	2	6	103	3.45	.060	4	413	5.90	38	.01	2	4.45	.01	.17	1	14
2519	1	12	13	86	1.0	60	15	1149	5.32	8	5	ND	1	80	1	2	2	61	3.46	.081	4	64	3.64	32	.01	2	2.99	.01	.12	2	4
2520	4	318	794	663	5.5	52	27	784	4.69	30	5	ND	1	80	6	2	2	16	2.56	.062	2	45	1.29	43	.01	2	1.32	.01	.16	1	51
2521	8	42	1432	6624	6.5	34	21	632	5.20	4	5	ND	1	72	110	2	2	13	2.21	.097	2	6	1.12	36	.01	4	1.28	.01	.21	1	36
2522	3	216	657	168	6.2	46	23	477	2.86	4	5	ND	1	63	1	2	2	11	1.32	.098	3	14	.97	54	.01	2	1.11	.01	.18	2	18
2523	2	45	120	247	3.1	37	15	864	3.49	2	5	ND	1	93	1	2	2	19	2.99	.078	2	18	1.53	52	.01	4	1.71	.01	.24	1	5
2524	3	6	59	59	.9	8	8	627	1.87	2	5	ND	1	57	1	2	2	4	2.95	.055	4	4	.54	51	.01	2	.68	.01	.16	2	3
2525	2	253	242	159	2.7	52	20	873	3.53	2	5	ND	1	81	1	2	2	19	2.91	.052	3	87	1.46	52	.01	2	1.59	.01	.20	1	3
2526	6	237	6	98	.6	123	34	1147	7.25	5	5	ND	1	47	1	2	2	65	1.76	.046	4	298	4.54	50	.01	2	3.64	.01	.10	1	1
2527	3	784	12	105	1.2	108	23	1418	5.91	7	5	ND	1	107	1	2	2	71	5.47	.051	5	275	4.30	38	.01	2	3.31	.01	.08	1	3
2528	7	645	14	147	.9	128	29	1720	6.66	10	5	ND	2	130	1	2	2	82	6.59	.058	5	374	4.66	43	.01	9	3.83	.01	.11	3	1
2529	1	512	2	25	3.4	77	8	471	5.85	274	5	ND	1	153	1	2	2	40	1.30	.017	2	23	1.22	6	.01	2	.88	.01	.01	3	525
2530	1	114	3	50	2.0	47	22	872	4.30	2489	5	ND	1	273	1	11	2	94	3.55	.046	2	80	4.94	36	.01	2	2.52	.01	.07	2	225
2531	1	88	5	62	.6	98	26	724	5.49	905	5	ND	1	85	1	2	2	173	.84	.068	2	213	7.02	18	.01	3	4.05	.02	.04	3	62
2532	1	20	4	59	.3	7	7	711	2.82	193	5	ND	1	69	1	2	2	38	1.59	.076	6	7	2.18	61	.01	2	1.55	.02	.07	2	33
2533	18	140	54	92	.6	2	12	429	4.41	14	5	ND	1	43	1	2	4	21	.68	.074	6	6	2.60	22	.01	2	1.85	.02	.18	1	57
2534	1	116	8	65	3.1	48	23	889	4.26	3099	5	ND	2	152	1	14	2	60	6.18	.049	3	104	2.48	24	.01	2	1.47	.01	.10	2	175
2535	1	71	17	101	.3	59	22	979	4.59	360	5	ND	2	131	1	3	2	125	6.59	.034	2	193	3.84	37	.01	2	2.67	.02	.06	2	12
2536	1	182	17	409	3.9	59	23	1028	4.04	2175	5	ND	2	223	2	10	2	79	7.99	.033	4	123	2.67	38	.01	3	1.83	.02	.11	3	97
2537	1	71	15	61	.7	65	21	759	4.08	1316	5	ND	1	185	1	2	2	103	6.30	.030	2	173	3.35	25	.01	2	2.21	.03	.05	2	52
2538	5	1106	9	1221	8.1	71	25	1618	5.05	310	5	ND	1	120	7	30	2	98	4.90	.040	3	174	4.30	27	.02	3	2.79	.02	.08	1	33
2539	1	630	178	178	68.9	53	13	1034	2.70	2095	5	ND	1	147	9	203	3	28	6.54	.034	3	53	1.37	33	.01	4	.91	.01	.08	128	450
2540	1	472	5	168	1.0	62	32	1250	4.48	314	5	ND	2	115	1	5	2	50	5.88	.044	3	83	2.89	49	.01	2	1.25	.02	.14	1	17
2541	2	56	9	124	.2	51	19	905	4.37	14	5	ND	1	71	1	2	2	56	3.35	.075	6	65	2.59	130	.01	4	2.05	.03	.09	2	3
2542	1	179	6	199	.5	65	24	1375	4.47	28	5	ND	2	106	1	2	2	121	6.08	.047	5	176	3.88	132	.01	3	2.58	.03	.08	1	2
2543	1	1226	11	375	.5	185	31	1538	4.88	11	5	ND	2	93	1	2	2	91	6.63	.036	2	344	4.08	88	.11	5	3.05	.01	.02	1	1
2544	1	415	7	876	.2	175	35	1684	4.05	5	5	ND	2	124	2	2	2	92	9.45	.039	3	352	4.07	277	.05	3	3.05	.01	.05	1	1
2545	2	1783	21	1927	.9	106	30	1766	5.27	14	5	ND	2	91	5	2	2	107	6.11	.041	3	190	4.50	67	.08	5	3.35	.02	.05	1	8
2546	1	196	13	226	.2	72	29	1571	4.99	8	5	ND	1	35	1	2	2	124	1.38	.044	2	138	5.46	21	.08	2	3.72	.02	.03	1	2
2547	2	314	4	226	.1	75	36	1624	5.45	9	5	ND	1	35	1	2	2	125	1.16	.040	2	120	5.55	31	.07	6	3.84	.01	.02	2	6
2548	2	1133	20	2428	.6	19	19	1229	4.77	13	5	ND	1	44	8	2	2	97	1.79	.057	4	14	3.08	34	.01	2	2.78	.03	.08	1	1
2549	1	245	10	877	.6	18	22	1288	4.29	156	5	ND	1	65	5	2	2	54	2.64	.062	2	12	2.34	63	.01	4	2.18	.02	.13	1	4
2550	1	147	9	471	.1	21	20	1385	4.56	14	5	ND	1	68	1	2	2	63	2.94	.062	4	12	2.58	76	.01	4	2.58	.03	.11	1	1
STD C/AU-R	20	58	39	128	6.7	69	28	969	3.94	37	18	7	32	47	16	15	19	61	.47	.101	34	55	.88	177	.09	34	1.71	.07	.15	12	505

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2551	1	145	6	387	.5	21	18	1257	3.54	146	5	ND	2	93	2	2	2	38	4.80	.059	3	14	2.31	44	.01	10	2.25	.01	.16	1	1
2552	1	68	5	142	2.2	98	20	1427	3.54	1080	5	ND	3	162	1	3	2	31	9.35	.027	2	154	2.63	32	.01	4	1.15	.01	.14	1	73
2553	1	545	12	189	1.0	144	27	1378	5.12	308	5	ND	4	119	1	2	2	94	8.13	.028	2	398	4.11	18	.01	7	3.20	.01	.08	1	55
2554	1	1317	9	224	.9	156	29	1659	5.09	218	5	ND	3	123	1	2	2	113	7.88	.031	2	414	4.51	26	.01	2	3.36	.01	.05	14	20
2555	8	24	12	72	.2	12	24	1070	7.28	14	5	ND	2	76	1	2	2	34	4.78	.035	3	9	1.70	25	.01	3	1.55	.01	.08	1	14
2556	1	89	6	78	.2	84	23	983	4.22	176	5	ND	4	136	1	2	2	107	7.11	.037	4	267	4.20	14	.10	9	2.83	.02	.07	1	21
STD C	20	58	37	134	6.9	67	29	1021	3.95	38	18	8	33	49	17	15	20	64	.44	.100	36	58	.86	187	.09	37	1.70	.07	.15	14	-

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL/ASSAY CERTIFICATE

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU** BY FIRE ASSAY

DATE RECEIVED: FEB 13 1987 DATE REPORT MAILED: Feb 18/87 ASSAYER. D.C. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE FILE # 87-0334 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** OZ/T
1368	1	59	8	59	.2	104	23	727	4.68	6	5	ND	3	130	1	2	2	100	5.75	.147	21	196	4.44	259	.01	5	3.21	.04	.13	1	.001
1369	1	34	4	52	.3	96	21	811	4.27	54	5	ND	2	185	1	2	2	47	7.11	.142	17	113	3.89	90	.01	9	2.13	.02	.19	1	.001
1370	1	48	2	52	.3	97	23	763	4.29	84	5	ND	3	170	1	2	2	47	6.27	.139	17	119	3.94	89	.01	4	2.07	.02	.18	1	.001
1371	1	40	2	53	.4	93	22	788	4.31	141	5	ND	3	186	1	2	2	38	7.27	.134	11	103	3.55	78	.01	2	1.79	.02	.17	1	.001
1372	1	48	7	57	.3	80	20	704	4.24	1228	5	ND	2	161	1	2	2	30	6.21	.129	7	71	2.72	71	.01	6	1.16	.02	.17	1	.001
1373	1	11	13	28	.5	77	18	698	3.79	2100	5	ND	2	219	1	2	2	10	7.39	.114	6	17	2.39	40	.01	7	.36	.02	.21	1	.024
1374	1	1057	4	86	1.0	18	897	362	4.01	2849	5	ND	1	92	1	2	2	25	3.28	.031	4	15	1.24	36	.01	17	.75	.01	.09	688	.022
1375	1	66	8	88	.5	65	18	554	4.26	1267	5	ND	1	129	1	3	2	28	5.32	.041	3	31	2.34	49	.01	5	1.01	.01	.12	4	.032
1376	1	59	14	80	.7	31	9	341	3.53	476	5	ND	1	83	1	2	2	29	3.32	.067	4	17	1.11	28	.01	2	.73	.01	.08	1	.016
1377	1	63	12	48	.3	26	9	294	4.41	235	5	ND	1	73	1	2	2	39	2.66	.042	4	27	1.05	17	.01	2	1.12	.01	.03	2	.014
1378	1	22	6	35	.3	74	23	807	3.52	222	5	ND	3	262	1	2	2	19	8.38	.115	8	39	2.99	91	.01	8	.62	.02	.17	6	.007
1379	1	39	4	53	.2	84	21	759	4.30	116	5	ND	3	190	1	2	2	45	6.54	.136	13	110	3.68	87	.01	8	1.69	.03	.16	1	.003
1380	1	42	10	53	.5	93	23	820	4.37	215	5	ND	3	190	1	3	2	36	6.81	.142	12	88	3.76	71	.01	10	1.57	.02	.18	1	.005
1381	1	63	5	61	.8	91	22	744	4.32	570	5	ND	3	179	1	2	2	43	6.30	.140	11	97	3.69	97	.01	10	1.74	.02	.17	1	.016
1382	1	49	6	48	.3	90	21	761	4.10	271	5	ND	2	220	1	2	2	35	6.99	.134	9	91	3.45	88	.01	5	1.41	.02	.17	2	.006
1383	1	41	4	50	.3	93	21	764	4.20	186	5	ND	3	177	1	2	2	40	6.07	.134	11	105	3.83	78	.01	4	1.71	.02	.18	1	.001
1384	1	37	6	37	.4	75	17	715	3.47	927	5	ND	3	235	1	2	2	24	7.28	.111	9	55	2.93	62	.01	6	.85	.02	.18	1	.008
2557	1	29	9	77	.8	75	25	703	5.35	79	5	ND	2	106	2	3	2	25	9.85	.073	3	28	1.84	37	.01	3	.62	.01	.16	1	.002
2558	1	38	2	75	.1	81	25	746	5.48	8	5	ND	2	100	1	2	2	52	7.87	.115	7	117	3.51	31	.01	5	2.36	.02	.11	1	.001
2559	1	59	7	90	.1	82	25	582	5.63	3	5	ND	1	84	1	2	2	75	6.64	.112	5	112	2.32	37	.05	2	2.66	.02	.09	1	.001
2560	1	48	12	82	.7	76	22	769	4.97	57	5	ND	2	93	1	2	2	59	10.43	.072	3	99	2.06	14	.10	5	2.03	.02	.10	1	.001
2561	1	54	5	91	.1	93	26	486	4.46	8	5	ND	2	82	1	2	2	75	6.23	.125	3	117	1.64	37	.39	5	2.06	.03	.06	1	.001
2562	1	31	2	59	.1	86	20	570	3.37	5	5	ND	2	105	1	2	2	45	9.47	.116	3	80	1.18	130	.32	2	1.46	.02	.11	1	.001
2563	1	59	5	55	.7	22	16	615	4.03	13	5	ND	2	95	1	5	2	27	7.85	.105	6	14	2.20	24	.01	2	.93	.02	.17	1	.001
2564	1	56	2	52	.6	20	17	651	4.18	36	5	ND	2	85	1	4	2	24	10.00	.111	5	9	1.22	38	.01	4	.74	.01	.19	1	.001
2565	1	53	6	65	.2	80	21	553	3.67	2	5	ND	2	73	1	2	2	34	11.29	.132	4	63	1.55	23	.01	2	2.22	.01	.12	1	.001
2566	1	59	2	77	.2	100	23	595	3.84	2	5	ND	2	75	1	2	2	37	10.95	.101	3	86	1.75	19	.01	2	2.41	.01	.10	1	.001
2567	1	49	8	82	.1	88	21	668	3.45	4	5	ND	3	90	1	2	2	36	12.83	.121	4	63	1.65	28	.01	3	2.28	.01	.13	1	.001
2568	1	15	10	107	.1	73	18	594	3.95	3	5	ND	2	99	1	2	3	45	10.70	.114	3	73	1.99	18	.01	3	2.49	.01	.11	1	.001
2569	1	9	10	192	.1	85	17	697	3.47	3	5	ND	2	171	2	2	2	50	13.71	.099	3	67	2.86	16	.01	6	2.52	.01	.08	1	.001
2570	1	14	12	198	.2	88	17	664	3.35	2	5	ND	3	186	2	2	2	62	13.24	.085	3	108	3.02	17	.01	2	2.54	.01	.10	1	.001
2571	1	11	12	160	.1	115	20	659	3.60	3	5	ND	3	172	2	2	3	64	12.55	.059	2	175	3.15	18	.01	4	2.79	.01	.11	1	.001
2735	1	87	43	182	9.2	154	36	553	4.45	336	5	ND	2	120	2	4	2	40	6.84	.099	4	76	2.32	21	.01	8	1.30	.01	.20	1	.011
2736	1	52	10	94	1.0	70	26	787	5.22	135	5	ND	2	128	1	2	2	63	8.98	.115	5	90	2.09	51	.02	7	2.32	.02	.15	1	.003
2737	4	88	212	4823	29.4	90	25	822	4.96	721	5	ND	3	172	73	15	2	26	9.16	.088	3	42	2.69	24	.01	11	.66	.01	.21	1	.008
2738	1	26	5	83	.5	59	25	401	4.85	175	5	ND	1	93	1	2	2	35	4.82	.143	3	38	1.21	25	.01	17	.80	.02	.25	1	.001
STD C	20	59	38	132	6.7	64	29	990	3.94	38	18	7	33	48	17	15	20	61	.46	.101	35	58	.88	176	.08	36	1.72	.07	.14	12	-

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** OZ/T
2739	1	19	12	88	.2	83	24	678	4.88	28	7	ND	5	132	1	2	3	54	7.71	.123	8	101	1.44	75	.01	10	2.20	.02	.20	1	.001
2740	1	68	8	80	.2	48	23	802	4.51	3	6	ND	5	84	1	2	2	49	6.58	.113	8	65	2.13	35	.01	7	2.54	.01	.16	1	.001
2741	1	52	13	170	.3	93	26	582	5.49	18	5	ND	3	50	1	2	2	72	4.29	.147	7	155	2.18	30	.29	6	2.68	.01	.19	1	.002
2742	1	50	5	98	.1	104	32	604	5.29	8	5	ND	3	49	1	2	2	96	4.76	.151	5	148	2.32	21	.39	8	2.77	.01	.14	1	.001
2743	1	43	11	85	.1	83	21	878	4.96	10	10	ND	7	112	1	2	3	58	10.08	.113	5	133	2.32	16	.17	2	2.73	.01	.11	1	.001
2744	17	33	23	86	.1	153	28	899	5.58	31	5	ND	5	110	1	2	2	66	9.33	.101	3	246	2.98	23	.12	4	3.12	.01	.08	1	.001
2745	1	46	9	121	.1	122	27	695	5.53	15	5	ND	5	92	1	2	4	55	7.21	.129	4	102	2.12	30	.12	8	2.82	.01	.12	1	.001
2746	1	44	7	86	.1	103	27	643	4.21	8	8	ND	6	84	1	2	2	73	8.11	.134	6	84	1.99	19	.28	8	2.39	.01	.13	1	.001
2747	1	49	10	73	.1	52	22	885	4.62	4	5	ND	6	114	1	2	2	105	9.22	.079	6	127	3.19	13	.32	7	3.04	.02	.07	1	.001
STD C	20	61	39	136	6.9	67	30	1024	3.97	42	15	8	34	49	17	16	22	64	.48	.103	36	60	.88	182	.08	36	1.72	.07	.14	13	-

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: FEB 16 1987 DATE REPORT MAILED: Feb 20/87 ASSAYER.. D. Toye DEAN TOYE. CERTIFIED B.C. ASSAYER.

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2748	1	44	7	62	.2	106	25	716	4.44	8	5	ND	5	105	1	2	2	75	10.34	.092	3	114	2.59	15	.39	10	2.48	.04	.04	1	2
2749	1	47	2	48	.4	52	15	719	3.30	7	7	ND	6	110	1	3	2	56	13.37	.068	2	88	1.69	31	.33	3	1.82	.03	.07	1	1
2750	1	44	4	55	.1	105	20	874	4.19	10	5	ND	6	124	1	2	2	73	14.78	.090	3	131	2.34	15	.34	4	2.34	.03	.05	1	4
2572	1	46	7	155	.1	111	25	716	4.15	13	5	ND	5	170	1	2	2	72	13.07	.095	2	106	3.23	22	.01	5	2.84	.01	.11	1	3
2573	1	65	13	159	.2	93	19	620	3.85	7	5	ND	5	144	2	2	2	81	10.82	.076	2	102	3.40	26	.01	10	2.91	.01	.12	1	2
2574	1	68	20	265	.4	122	25	947	3.98	16	5	ND	6	361	2	2	2	86	19.22	.071	3	154	3.60	14	.01	5	2.95	.01	.04	1	1
2575	1	49	3	49	.1	135	24	803	2.67	11	5	ND	5	118	1	2	3	91	20.68	.059	2	179	1.59	19	.09	5	1.70	.03	.04	1	1
2576	2	41	2	46	.1	86	18	924	2.33	6	5	ND	4	131	1	2	2	61	23.76	.047	2	106	1.28	23	.12	6	1.34	.02	.05	1	1
2577	1	48	7	46	.2	89	19	797	3.07	4	5	ND	6	104	1	2	2	117	17.96	.048	2	185	2.31	15	.26	8	2.42	.03	.02	1	1
2578	1	47	4	51	.1	107	20	750	3.35	9	5	ND	6	99	1	2	2	127	14.92	.043	2	259	2.89	20	.27	5	2.31	.03	.04	1	1
2579	1	52	8	89	.4	151	27	727	4.05	230	5	ND	6	138	1	2	2	49	13.48	.046	3	115	2.48	42	.01	4	1.60	.01	.14	1	70
2580	4	40	33	114	.9	95	21	819	3.66	94	5	ND	5	187	1	2	2	31	16.85	.065	3	41	1.78	42	.01	5	.49	.01	.13	1	24
2801	1	43	6	54	.1	88	19	818	3.53	6	5	ND	6	111	1	2	2	60	14.24	.091	2	109	1.96	37	.32	5	1.95	.02	.07	1	1
2801 A	1	50	3	63	.1	89	21	788	4.33	10	5	ND	5	87	1	2	2	71	11.07	.105	3	133	2.45	27	.31	3	2.39	.03	.04	1	1
2802	1	45	2	63	.1	112	25	666	4.50	10	5	ND	4	100	1	2	2	68	9.61	.108	3	131	2.47	41	.33	2	2.42	.03	.07	1	2
2803	1	49	6	68	.1	112	25	638	4.33	4	5	ND	4	96	1	2	2	53	10.01	.117	3	107	2.20	60	.11	4	2.26	.02	.14	1	2
2804	1	44	6	83	.1	93	24	629	4.77	8	5	ND	4	84	1	2	2	56	8.57	.115	3	109	2.19	38	.30	2	2.40	.02	.17	1	1
2805	1	16	4	69	.1	24	10	932	2.95	8	5	ND	3	92	1	2	2	22	6.21	.100	8	28	.88	113	.06	5	1.32	.03	.20	1	1
2806	1	53	10	68	.1	155	29	721	5.12	4	5	ND	4	102	1	2	2	80	8.70	.050	3	251	4.61	29	.11	2	3.85	.01	.10	1	1
2807	1	52	2	55	.1	165	28	693	4.50	3	5	ND	5	129	1	2	2	83	10.53	.048	2	253	4.35	22	.01	3	3.62	.01	.08	1	1
2808	1	62	5	61	.1	211	31	701	5.08	2	5	ND	4	102	1	2	2	97	8.48	.042	3	327	5.40	18	.04	2	4.16	.01	.07	1	1
2809	1	57	3	100	.1	171	26	677	4.15	12	5	ND	5	146	1	2	2	70	10.61	.049	3	256	3.44	28	.07	2	3.07	.01	.11	1	1
2810	1	61	8	113	.1	125	24	613	4.18	17	5	ND	3	178	1	2	2	63	10.45	.054	4	159	2.66	38	.04	6	2.66	.01	.13	1	1
2811	1	49	4	79	.1	140	29	571	4.28	11	5	ND	4	70	1	2	2	87	7.83	.119	4	207	2.20	13	.30	2	2.19	.03	.06	1	1
2812	1	51	5	84	.1	124	26	634	4.60	9	5	ND	4	74	1	2	2	86	7.83	.148	4	167	2.24	10	.31	10	2.39	.04	.03	1	1
STD C/AU-R	22	58	39	138	7.1	70	30	1045	3.97	38	14	8	33	49	18	16	20	65	.48	.105	36	59	.88	181	.09	37	1.72	.07	.14	12	520

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL/ASSAY CERTIFICATE

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU** BY FIRE ASSAY AU** BY FIRE ASSAY

DATE RECEIVED: FEB 17 1987 DATE REPORT MAILED: Feb 23/87 ASSAYER. D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	Au** OZ/T
1468	2	31	8	59	.2	13	9	606	3.67	13	6	ND	4	119	1	2	2	28	4.03	.098	8	13	.94	62	.01	2	1.83	.03	.15	2	32	-
1469	3	8	7	56	.1	5	7	706	3.28	12	5	ND	4	123	1	2	2	19	4.57	.068	9	6	.90	77	.01	5	1.80	.05	.21	1	3	-
1470	1	9	7	43	.1	4	6	594	2.53	12	5	ND	3	106	1	2	2	11	3.45	.051	8	3	.70	75	.01	8	1.42	.02	.19	2	11	-
1471	1	10	10	44	.1	1	5	602	2.52	5	5	ND	4	114	1	2	3	10	3.85	.053	10	3	.74	91	.01	7	1.53	.02	.23	1	1	-
1472	1	15	6	41	.1	3	4	672	2.29	2	5	ND	4	154	1	2	2	10	4.99	.049	10	5	.66	70	.01	6	1.38	.03	.19	1	8	-
1473	1	10	12	46	.2	2	6	684	2.63	8	5	ND	4	157	1	2	2	13	4.71	.053	11	4	.74	75	.01	6	1.51	.03	.20	2	1	-
1474	1	8	6	43	.1	2	6	650	2.54	56	5	ND	3	140	1	2	2	11	4.70	.053	7	5	.66	80	.01	7	1.42	.02	.21	1	38	-
1475	1	9	9	35	.3	6	6	635	2.13	79	5	ND	3	163	1	2	2	7	4.78	.048	5	2	.58	72	.01	5	.99	.01	.19	2	475	-
1476	1	10	8	44	.4	3	5	533	2.32	165	5	ND	3	108	1	2	2	8	3.77	.055	6	1	.73	101	.01	10	1.37	.02	.25	2	195	-
1477	1	10	7	38	.1	1	4	534	2.22	38	5	ND	3	138	1	2	3	7	4.32	.048	5	1	.68	98	.01	11	1.36	.02	.23	1	94	-
1478	1	13	10	41	.2	1	5	525	2.45	17	5	ND	3	164	1	2	3	8	4.33	.053	6	2	.80	96	.01	11	1.55	.02	.25	2	12	-
1479	4	11	11	41	.3	8	8	449	2.80	322	5	ND	2	118	1	2	2	3	3.29	.076	3	2	.68	56	.01	7	.41	.01	.14	1	375	-
1480	1	21	10	76	.3	90	24	1099	4.52	94	5	ND	4	207	1	2	2	73	6.80	.059	4	139	3.71	37	.01	3	2.15	.02	.12	1	15	-
1481	1	29	9	78	.8	79	21	1290	3.75	583	5	ND	4	259	1	8	2	11	7.59	.061	3	18	2.70	30	.01	3	.29	.02	.15	1	1090	.031
1482	1	23	6	34	.8	26	9	667	2.75	769	5	2	4	210	1	5	2	4	5.40	.058	3	6	1.71	38	.01	9	.20	.02	.11	2	1295	.035
1483	1	74	4	44	4.4	272	29	923	4.07	503	5	ND	5	369	1	21	2	43	10.74	.075	4	213	4.83	34	.01	6	1.02	.01	.08	1	475	.018
1484	1	60	15	60	1.2	83	25	876	4.70	215	5	ND	4	230	1	5	2	65	6.92	.100	5	173	4.56	39	.01	6	2.10	.02	.16	1	195	-
1485	1	64	12	50	1.1	77	22	808	4.33	563	5	ND	5	244	1	7	2	51	7.32	.103	6	139	4.01	42	.01	5	1.63	.02	.15	2	650	.023
1486	1	36	6	64	1.4	63	15	1110	4.09	595	5	ND	4	197	1	13	2	14	6.38	.092	3	39	2.16	43	.01	4	.53	.02	.15	1	1150	.030
1487	1	26	6	80	1.0	1	11	927	4.51	432	5	2	3	110	1	6	2	16	3.60	.100	3	3	1.37	48	.01	6	.86	.03	.17	1	2190	.056
1488	1	93	7	66	2.1	12	14	871	4.18	750	5	3	3	154	1	28	2	9	4.81	.087	3	10	1.53	41	.01	7	.37	.02	.14	1	2730	.079
1489	1	42	5	54	.8	67	21	911	4.26	111	5	ND	5	250	1	8	2	47	8.12	.094	6	120	4.08	36	.01	8	1.55	.02	.14	1	215	-
1490	1	64	5	52	1.2	68	22	852	4.20	216	5	ND	5	257	1	6	2	52	8.09	.091	6	117	3.84	42	.01	8	1.53	.02	.15	1	495	.014
1491	1	37	4	61	1.1	58	18	1159	3.97	186	5	2	5	343	1	6	2	26	10.32	.087	5	45	3.18	42	.01	9	.53	.02	.13	1	1795	.053
2596	1	42	13	77	.1	86	23	679	4.85	4	5	ND	4	72	1	2	2	93	7.85	.106	3	121	2.23	8	.42	5	2.51	.07	.02	1	18	-
2597	1	41	7	84	.1	87	26	656	5.38	2	5	ND	4	59	1	2	2	98	6.65	.103	4	128	2.43	9	.44	2	2.73	.07	.02	1	4	-
2598	1	65	10	84	.1	60	21	512	5.76	5	5	ND	3	56	1	2	2	102	5.07	.081	3	104	1.95	87	.41	8	2.45	.05	.06	1	2	-
2599	1	19	5	17	.1	22	5	353	3.17	2	5	ND	5	72	1	2	2	71	10.99	.023	2	33	.41	26	.20	3	.64	.01	.07	1	1	-
2651	1	9	2	13	.1	13	4	706	.98	2	5	ND	2	123	1	2	2	17	28.61	.017	2	19	.35	6	.11	2	.45	.01	.01	1	1	-
2652	1	23	10	51	.1	55	13	624	2.72	2	5	ND	6	90	1	2	2	61	16.80	.062	2	79	1.13	13	.37	2	1.40	.06	.01	1	2	-
2653	1	46	14	76	.1	66	18	739	3.99	4	5	ND	6	159	1	2	2	44	14.17	.074	4	66	1.97	20	.28	5	2.38	.01	.09	1	3	-
2654	1	16	4	68	.1	54	15	452	5.14	4	5	ND	3	47	1	2	2	47	4.63	.156	5	102	1.58	32	.33	4	1.94	.05	.21	1	2	-
2655	1	15	2	50	.1	26	9	266	2.94	5	5	ND	2	118	1	2	2	33	3.97	.186	4	37	.69	38	.35	8	1.35	.03	.23	1	3	-
2656	1	16	5	49	.1	28	9	279	3.03	7	5	ND	2	143	1	2	2	35	4.59	.224	5	39	.67	52	.37	8	1.50	.03	.28	2	1	-
2657	1	18	6	66	.1	50	14	667	3.84	4	5	ND	4	127	1	2	2	49	9.46	.103	5	73	1.72	39	.09	6	2.13	.03	.12	1	1	-
2658	1	20	10	81	.1	64	17	706	4.85	7	5	ND	4	88	1	2	2	49	8.96	.104	5	76	2.23	38	.04	3	2.58	.04	.14	1	1	-
STD C/AU-R	21	57	38	132	6.8	67	30	996	3.95	37	16	7	33	48	17	14	21	42	65	104	34	60	85	178	.03	32	1.71	.03	.14	13	510	

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB
2659	1	32	4	73	.2	58	15	755	4.16	6	5	ND	5	147	1	2	2	32	11.44	.076	6	59	1.62	41	.01	5	2.02	.01	.15	1	1
2660	1	21	5	84	.1	73	19	646	4.23	5	5	ND	5	98	1	2	2	38	8.80	.094	7	70	1.92	39	.01	5	2.32	.02	.17	1	3
2661	1	45	2	69	.1	74	21	632	3.28	2	5	ND	5	69	1	2	2	34	10.84	.111	2	89	1.50	23	.12	4	1.97	.02	.16	1	4
2662	1	44	6	77	.1	38	17	621	3.95	2	5	ND	4	57	1	2	2	39	8.75	.125	2	26	1.73	27	.12	4	2.31	.02	.18	1	1
2663	1	84	2	75	.1	58	19	605	3.71	2	5	ND	4	64	1	2	2	39	9.74	.084	2	51	1.61	16	.13	2	2.15	.01	.12	1	3
2664	1	28	2	90	.1	88	23	738	4.90	3	5	ND	4	47	1	2	2	75	8.33	.117	2	97	1.98	20	.27	5	2.49	.02	.09	1	1
2665	2	16	5	20	.1	6	4	169	1.20	99	5	ND	2	31	1	2	2	6	1.61	.033	10	3	.27	29	.01	4	.46	.04	.09	1	12
2666	2	121	2	21	.7	5	6	149	1.30	138	5	ND	2	29	1	2	2	5	1.30	.039	7	4	.20	42	.01	2	.39	.03	.15	1	48
2667	2	112	2	19	.3	5	6	154	1.06	227	5	ND	1	39	1	2	2	2	1.61	.033	5	1	.15	32	.01	2	.29	.02	.12	1	157
2668	2	133	2	21	1.1	3	7	166	1.14	167	5	ND	2	30	1	2	2	2	1.74	.037	6	1	.20	33	.01	2	.33	.02	.13	1	260
2669	3	190	3	14	.8	4	8	193	1.14	475	5	ND	2	39	1	2	2	2	2.20	.042	5	1	.14	46	.01	2	.30	.02	.15	1	116
2670	3	207	4	18	.7	3	10	187	1.32	90	5	ND	2	38	1	2	2	2	1.77	.038	6	1	.14	46	.01	2	.32	.02	.15	1	28
2671	2	29	8	26	.1	2	3	179	1.31	133	5	ND	1	32	1	2	2	4	1.28	.037	8	2	.28	33	.01	2	.47	.03	.11	1	25
2672	2	19	2	25	.1	3	4	232	1.35	486	5	ND	1	52	1	2	2	1	2.05	.037	6	1	.20	33	.01	2	.31	.02	.13	1	183
2673	2	51	4	58	.5	16	11	223	2.96	237	5	ND	1	23	1	2	3	19	.90	.077	7	24	.72	45	.01	2	.95	.02	.16	1	152
2674	2	18	5	39	.1	6	5	224	1.64	116	5	ND	1	35	1	2	2	9	1.69	.038	6	8	.41	32	.01	3	.59	.03	.12	1	23
2675	4	14	4	21	.1	5	4	143	1.22	199	5	ND	2	27	1	2	2	2	1.18	.039	6	1	.13	26	.01	4	.25	.03	.12	1	42
2676	3	42	2	23	.3	3	6	166	1.50	144	5	ND	2	12	1	2	2	6	.87	.039	16	1	.23	40	.02	2	.53	.03	.14	1	28
2677	2	39	6	16	.4	3	4	227	1.35	112	5	ND	2	36	1	2	2	7	2.12	.046	7	2	.24	39	.01	2	.44	.03	.13	1	46
2678	1	18	3	16	.1	1	3	364	1.04	215	5	ND	3	73	1	2	2	2	4.12	.033	6	1	.17	35	.01	2	.29	.03	.12	1	127
2679	1	17	5	22	.1	1	3	246	1.16	138	5	ND	3	44	1	2	2	3	2.08	.038	7	2	.22	35	.01	2	.34	.04	.12	1	65
2680	2	18	3	23	.1	3	3	218	1.15	157	5	ND	2	33	1	2	2	3	1.37	.037	7	1	.24	24	.01	2	.35	.04	.09	1	48
2681	1	30	2	26	.1	2	5	241	1.30	413	5	ND	2	62	1	2	3	5	1.92	.040	7	3	.34	25	.01	2	.42	.04	.11	1	61
2682	1	106	7	87	.4	43	23	772	5.00	85	5	ND	4	121	1	2	2	56	6.44	.053	2	91	2.91	39	.01	2	2.61	.02	.18	1	32
2683	1	91	6	99	.1	48	24	553	6.05	20	5	ND	2	37	1	2	5	67	1.48	.048	4	95	4.38	55	.01	5	3.44	.01	.19	1	4
2684	1	82	3	88	.1	44	23	509	5.21	4	5	ND	2	50	1	2	2	52	2.24	.032	3	88	4.21	45	.01	2	3.18	.01	.17	1	1
2685	1	10	6	25	.1	8	74	437	5.56	109	5	ND	1	50	1	2	2	7	2.93	.079	5	7	.37	38	.01	2	.57	.02	.17	1	36
2686	1	19	7	33	.3	4	15	589	2.75	258	5	ND	2	65	1	2	4	6	2.60	.101	8	3	.44	75	.01	4	.61	.02	.23	1	59
STD C/AU-R	20	62	37	136	6.9	64	30	1027	3.90	38	14	8	34	50	17	15	20	64	.47	.100	36	58	.87	182	.08	34	1.68	.07	.14	12	510

DR41

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

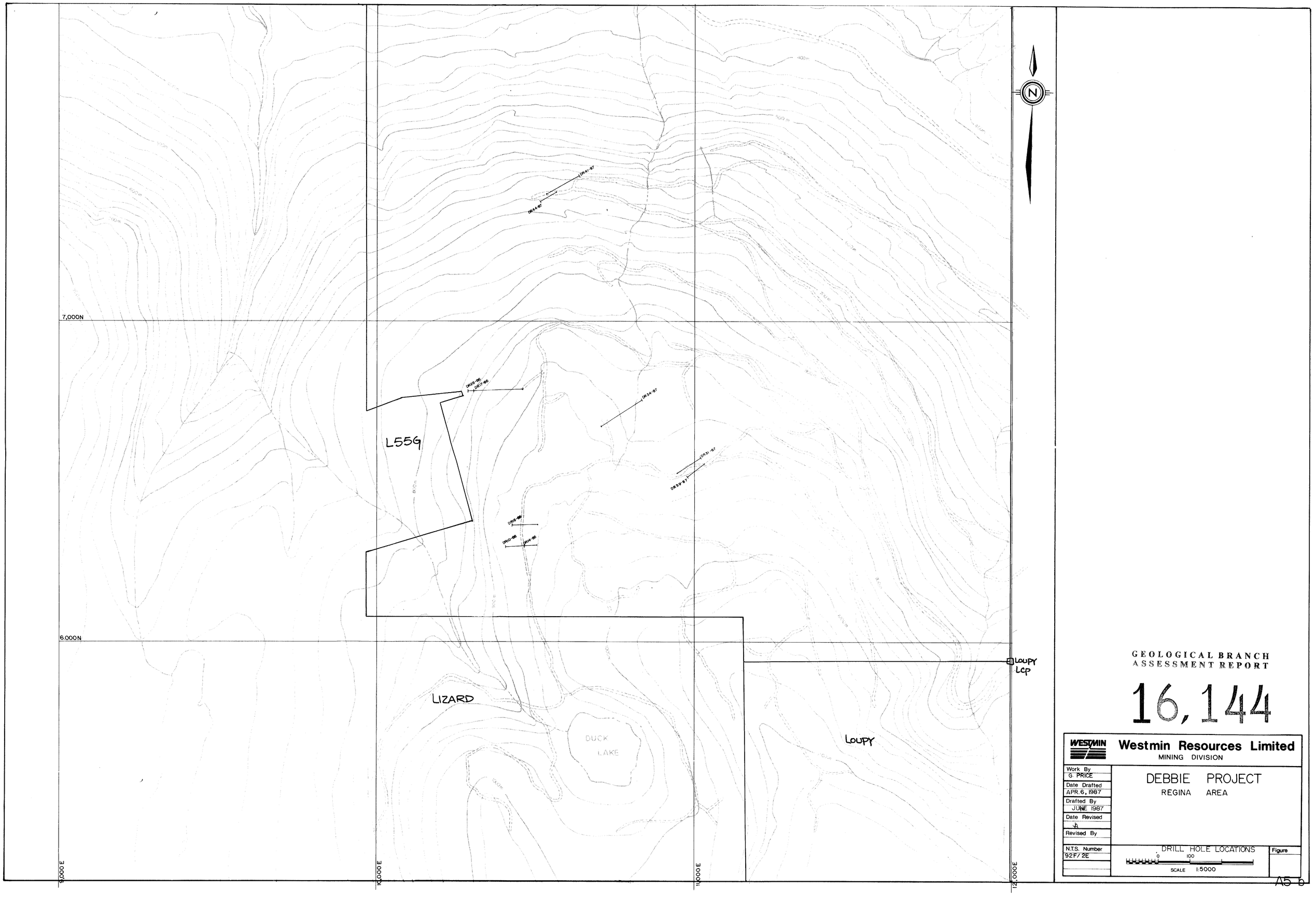
.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU8 ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: FEB 18 1987 DATE REPORT MAILED: Feb 24/87 ASSAYER. D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

WESTMIN RESOURCES PROJECT - DEBBIE FILE # 87-0388

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2687	6	40	6	48	.5	67	17	812	3.90	323	5	ND	5	157	1	2	2	60	9.58	.061	4	159	2.02	82	.06	8	1.93	.01	.11	2	165
2688	1	18	10	46	.1	31	12	1286	3.42	1339	5	ND	5	471	1	2	2	31	15.21	.066	9	41	1.27	50	.01	9	1.39	.02	.12	1	250
2689	1	37	8	64	.7	30	15	990	3.99	2441	5	ND	6	407	1	2	2	33	12.10	.090	9	43	1.84	38	.01	8	1.86	.02	.11	1	480
2690	1	112	11	92	1.0	50	25	536	6.02	551	5	ND	1	76	1	2	2	55	2.69	.034	3	87	4.24	49	.01	2	2.95	.01	.25	1	215
2691	1	67	13	89	.3	49	24	664	4.84	58	5	ND	3	123	1	2	2	76	5.15	.058	5	91	4.13	35	.01	3	3.14	.01	.23	1	22
2692	1	63	11	88	.6	43	22	658	5.37	791	5	ND	3	117	1	2	2	52	5.97	.050	5	72	2.99	39	.01	5	2.56	.01	.25	1	275
2693	1	143	7	95	.6	44	24	607	6.32	149	5	ND	3	96	1	2	2	87	4.35	.046	5	58	3.21	40	.01	10	3.05	.02	.24	1	89
2694	1	235	8	78	1.4	35	24	542	6.04	1243	5	ND	2	105	1	2	2	87	4.43	.061	3	28	2.15	29	.01	3	1.91	.03	.19	1	350
2695	1	135	11	81	.8	28	23	473	6.16	639	5	ND	3	126	1	2	2	134	3.68	.076	3	26	2.30	20	.01	4	1.98	.04	.11	1	285
2696	1	249	10	93	.8	29	25	516	5.06	321	5	ND	4	173	1	2	2	91	6.13	.075	3	34	2.72	36	.01	7	2.48	.03	.19	1	30
2697	10	142	17	88	.2	30	14	367	3.20	23	5	ND	3	63	1	2	2	66	3.75	.173	7	43	1.43	20	.01	3	1.42	.04	.08	1	48
2698	13	31	19	63	1.2	36	143	299	10.52	58	5	ND	2	31	1	2	4	47	1.71	.186	4	43	1.10	17	.01	16	1.06	.03	.11	2	114
2699	1	165	10	74	1.8	36	24	673	5.09	1345	5	ND	3	81	1	2	2	92	5.25	.056	4	44	2.80	33	.01	8	2.35	.03	.11	2	195
2700	1	244	3	101	1.3	46	29	722	5.78	972	5	ND	4	126	1	2	2	74	7.02	.062	5	84	3.11	57	.01	7	2.72	.01	.20	1	64
2701	1	47	6	69	.6	33	16	700	4.40	1167	5	ND	5	140	1	2	2	25	7.40	.109	7	34	1.77	33	.01	3	1.66	.02	.15	1	215
2702	1	57	8	83	.1	38	19	863	5.01	45	5	ND	5	142	1	2	2	57	7.16	.118	11	59	1.95	30	.02	11	2.52	.02	.12	1	51
2703	1	56	7	95	.1	59	22	842	4.89	3	5	ND	3	100	1	2	2	82	3.86	.120	10	56	2.31	13	.03	7	2.56	.04	.04	1	1
2704	1	63	12	97	.1	54	23	914	5.28	9	5	ND	3	78	1	2	2	84	4.12	.136	9	73	2.96	22	.16	3	3.03	.04	.05	1	1
2705	1	73	11	86	.1	42	22	798	5.16	43	5	ND	3	66	1	2	2	68	4.52	.116	9	53	2.94	49	.03	6	3.01	.02	.10	1	37
2706	1	59	9	86	.3	38	20	724	4.96	94	5	ND	2	71	1	2	2	67	3.08	.122	10	52	2.46	63	.05	9	2.64	.03	.07	1	63
2707	1	57	11	85	.1	42	19	753	4.96	28	5	ND	3	115	1	2	2	63	3.93	.123	12	58	2.77	26	.07	4	2.93	.03	.08	1	14
2708	1	53	12	77	.1	32	18	717	4.62	343	5	ND	4	156	1	2	2	49	5.11	.112	10	46	2.02	20	.01	11	2.29	.03	.08	1	150
2709	1	68	16	90	.1	37	19	851	4.97	249	5	ND	4	145	1	2	2	59	4.73	.119	10	47	2.40	16	.06	5	2.63	.03	.07	1	185
2710	1	46	13	105	.3	51	22	771	6.46	953	5	ND	4	91	1	2	2	77	4.78	.136	9	61	3.12	22	.04	3	3.05	.03	.10	3	535
2711	1	62	12	82	.2	46	24	762	5.02	88	5	ND	4	119	1	2	2	63	6.43	.120	11	60	3.05	22	.03	5	2.92	.02	.10	1	69
2712	1	89	6	74	.1	41	21	695	4.72	406	5	ND	4	108	1	2	2	52	6.84	.112	10	50	2.61	25	.02	5	2.50	.02	.12	1	435
2713	1	57	13	71	.1	38	20	669	4.43	542	5	ND	4	104	1	2	2	39	6.76	.095	6	28	2.49	31	.01	6	2.33	.01	.16	1	69
2714	1	48	6	67	.1	8	12	572	3.77	16	5	ND	3	90	1	2	2	39	2.93	.124	12	6	1.50	44	.11	5	1.95	.03	.14	1	1
2715	1	78	12	69	.2	7	14	543	4.45	224	5	ND	2	70	1	2	2	43	2.83	.122	9	6	1.34	29	.01	7	1.70	.03	.12	1	345
2716	1	52	17	93	.5	7	16	618	5.67	314	5	ND	3	49	1	2	2	45	3.00	.139	10	4	2.18	41	.03	9	2.40	.02	.16	1	725
2717	1	31	12	76	.1	11	11	818	4.13	1167	5	ND	4	223	1	2	2	29	6.51	.115	8	5	1.51	39	.05	2	1.73	.02	.13	1	695
2718	1	42	8	81	.3	14	15	736	4.92	163	5	ND	4	83	1	2	2	36	4.86	.125	10	4	1.75	51	.03	5	2.28	.02	.16	1	90
2719	2	47	11	79	.3	15	14	605	4.67	1898	5	ND	3	71	1	2	3	29	3.96	.133	8	3	1.64	58	.01	10	1.95	.02	.17	1	265
2720	1	68	6	90	.6	13	15	646	4.68	769	5	ND	3	79	1	2	2	38	2.96	.124	7	4	2.02	58	.01	4	2.28	.02	.13	1	185
2721	1	47	7	72	.2	12	13	865	4.15	107	5	ND	4	150	1	2	2	34	5.75	.117	10	3	1.62	46	.03	4	2.09	.01	.14	1	170
2722	1	51	7	82	2.1	8	13	618	4.70	2503	5	ND	2	36	1	2	2	33	1.52	.124	7	4	1.65	44	.01	3	1.83	.03	.09	1	165
STD C/AU-R	21	63	37	137	6.9	67	30	1030	3.84	36	15	8	34	49	18	16	22	64	.46	.107	36	59	.85	185	.08	36	1.88	.07	.14	12	520

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2723	1	47	11	101	.3	9	18	959	6.82	5052	5	ND	4	80	1	2	2	55	3.87	.134	8	3	1.63	60	.02	2	2.28	.03	.15	1	535
2724	1	55	6	51	.2	42	17	971	3.48	859	5	ND	6	122	1	3	2	101	12.71	.068	7	104	1.53	119	.06	2	1.67	.03	.07	1	2
2725	1	80	10	54	.4	73	26	986	4.68	531	5	ND	4	166	1	2	2	117	8.06	.065	7	148	3.13	70	.05	5	2.33	.02	.12	1	102
2726	1	135	7	69	.6	35	17	699	4.80	521	5	ND	4	123	1	2	2	28	7.29	.040	4	38	1.22	50	.01	2	1.68	.01	.25	1	89
2727	1	322	6	66	.8	34	26	745	4.29	181	5	ND	4	94	1	2	2	48	6.94	.053	3	51	2.03	45	.01	2	2.16	.01	.24	1	76
2728	1	124	15	89	.5	41	25	706	5.83	101	5	ND	3	74	1	2	5	63	5.42	.043	3	64	3.25	42	.01	5	2.91	.01	.24	1	36
2729	1	23	8	57	.1	39	21	723	5.35	12	5	ND	4	72	1	2	2	209	6.15	.068	2	97	2.98	21	.10	3	2.62	.08	.03	1	4
2730	1	105	11	72	.9	45	26	939	5.50	1901	5	ND	4	116	1	2	2	71	8.44	.051	5	51	2.68	28	.01	3	2.08	.01	.15	1	350
2731	1	75	2	66	.6	38	18	938	3.86	762	5	ND	5	123	1	2	2	67	9.76	.054	4	51	2.17	25	.01	3	1.92	.02	.12	1	113
2732	2	14	8	27	.3	4	4	311	1.39	627	5	ND	3	57	1	2	2	3	3.30	.043	6	2	.21	43	.01	4	.36	.03	.16	1	225
2733	2	17	4	26	.2	1	3	400	1.29	65	5	ND	3	60	1	2	2	5	3.46	.040	8	3	.27	43	.01	2	.47	.04	.12	1	114
2734	1	17	7	28	.1	1	3	473	1.20	76	5	ND	4	68	1	2	2	4	4.76	.041	8	3	.26	37	.01	4	.48	.04	.12	1	67
2813	1	32	11	79	.1	84	24	903	4.96	6	5	ND	5	151	1	2	2	62	10.98	.108	5	85	2.16	25	.01	2	2.44	.02	.14	1	21
2814	1	25	9	84	.1	91	25	866	5.53	26	5	ND	4	185	1	2	2	100	11.84	.097	5	129	2.24	17	.04	3	2.76	.02	.06	1	89
2815	1	43	10	98	.2	108	30	910	6.42	21	5	ND	4	154	1	2	2	113	8.61	.109	5	145	2.68	11	.04	5	3.19	.02	.08	1	6
2816	1	34	7	97	.1	101	29	914	6.43	12	5	ND	4	133	1	2	2	106	8.04	.103	5	136	2.84	42	.08	2	3.28	.02	.06	1	24
2817	1	38	2	88	.2	91	25	940	5.79	38	5	ND	4	181	1	2	2	75	9.58	.103	4	106	2.60	15	.01	4	2.25	.02	.11	1	74
2818	2	43	8	100	1.2	90	26	908	5.53	174	5	ND	4	170	1	2	2	31	9.09	.106	4	40	2.25	15	.01	10	.91	.01	.18	1	65
2819	2	40	11	88	.9	89	26	895	5.75	182	5	ND	4	178	1	2	2	63	9.38	.105	3	85	2.33	12	.01	6	1.97	.02	.14	1	225
2820	1	46	9	68	2.0	138	30	898	5.35	116	5	ND	4	183	1	2	4	57	11.15	.103	4	106	2.00	22	.01	3	1.78	.02	.17	1	22
2821	1	52	8	51	.7	172	33	937	4.55	104	5	ND	4	183	1	2	5	35	11.42	.086	4	117	1.98	26	.01	2	1.14	.01	.20	1	7
2822	1	83	6	110	.4	43	27	1002	5.95	29	5	ND	3	100	1	2	3	59	5.94	.249	12	37	3.05	21	.01	3	2.00	.02	.19	1	4
STD C/AU-R	21	61	40	135	6.8	65	30	1014	3.84	39	17	8	34	49	18	16	20	63	.44	.100	36	58	.85	182	.08	34	1.66	.07	.15	12	505



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,144

Westmin Resources Limited
MINING DIVISION

Work By	G. PRICE
Date Drafted	APR. 6, 1987
Drafted By	JUNE 1987
Date Revised	
Revised By	
N.T.S. Number	92F/12E

DEBBIE PROJECT
REGINA AREA

DRILL HOLE LOCATIONS
0 100
SCALE 1:5000

Figure A5 b