HOLE NUMBER: JS12-06

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/16/1998
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: KIDD/HBED/EAL JV
PROJECT NUMBER: 8036
CLAIM NUMBER: F15, Targ#513 P 98663
LOCATION: Jessop TWP

PLOTTING COORDS GRID: UTM
NORTH: 5376865.00N
EAST: 467599.00E
ELEV: 252.80

ALTERNATE COORDS GRID: 98 grid
NORTH: 6+80 N
EAST: 19+ 0 W
ELEV: 252.80

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 228.90M
START DEPTH: 0.00M
FINAL DEPTH: 228.90M

COLLAR ASTRONOMIC AZIMUTH: 165° 0' 0"

GRID ASTRONOMIC AZIMUTH: 335° 0' 0"

DATE STARTED: 07/21/1998
DATE COMPLETED: 07/23/1998
DATE LOGGED: 07/29/1998

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: YES
PLUGGED: YES
HOLE SIZE: BQ

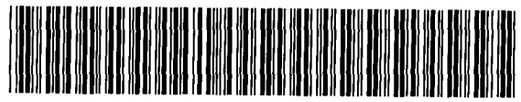
CONTRACTOR: Courte Drilling
CASING: 48
CORE STORAGE: Minesite
UTM COORD.:

COMMENTS : Hole drilled to test SpectrEM target #513 Intersected minor stringer PO as conductor
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
121.00	167° 0' 0"	-56° 0' 0"	S	OK	
180.00	172° 0' 0"	-52° 0' 0"	S	OK	
230.80	175° 0' 0"	-49° 0' 0"	S	OK	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	



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David Richardson

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 48.00	«Cas» Casing	bits and pieces of coarse sediment and mafic intrusive				
48.00 TO 80.00	«5,*t» Sedimentary Rocks	Greywacke - foliated - grey-black fine grained locally laminated 38 TCA - coarse and fine sections - carbonate (calcite) alteration - local soft sediment deformation features ╣48.00-58.20╠ «5» Greywacke, fine grained, locally laminated, 1-10mm beds, 1% 1-2cm Py vugs, tr weakly conductive graphite ╣58.20-61.10╠ «5» Greywacke, coarser grained 1-30mm clasts, argillatious matrix, nil to tr graphite, Disseminated Po blebs, ╣61.10-80.00╠ «» Greywacke, fine grained, locally laminated, 1-10mm beds, tr weakly conductive graphite.		╣48.00-80.00╠ «M S Cb» Moderate spots carbonatization patchy carbonate (calcite) alteration.	╣48.00-96.00╠ «1% D Py,1% D Po» 1% Disseminated blebs Pyrite, 1% Disseminated blebs Pyrrhotite.	
80.00 TO 104.50	«5,*t» Sedimentary Rocks	Greywacke - foliated 44 deg TCA - grey-black coarse grained 1-5mm grain size - unsorted - locally weakly bedded 5mm beds - occasional (1-2%) 5-3cm conductive ovoid graphite clasts. ╣95.20-104.50╠ «5» Greywacke - Finer grained section (<2mm) - trace graphite in plane of schistosity and weak beds		╣80.00-104.5╠ «W S Cb» Weak carbonatization patchy and vein controlled	╣80.00-104.50╠ «1% D Py» 1% Disseminated/Blebs Pyrite Tr-1% Py cubes.	
104.50 TO 119.70	«5,*t» Sedimentary Rocks	Greywacke - foliated 44 deg TCA - grey-black fine grained (<1mm) - Beds 1-10mm in width 44 TCA - Conductive gragphite content increasing up hole from trace to moderate - Soft sediment deformation features (folded beds) - local unbedded sections 116-117m		╣104.50-119.70╠ «M S Cb» Moderate spots carbonatization. Calcite.	╣104.50-119.70╠ «2% D Py» 2% Disseminated/Blebs Pyrite filling vugs and disseminated cubes. No Po noted	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		- Lower contact gradational with 8-10% Pyrite				
119.70 TO 228.90	«2,*t» Mafic Volcanic Rocks	Pillow Basalt - Fine grained - med green - local flow/selvage breccia - Monolithic flow breccia ranges from angular autobreccia to elongate foliation parallel fragments some flow breccias with and some without Py/Po in the matrix. ╣119.70-120.10╠ Flow breccia. Occasional intermixed argillite. Disseminated foliation parallel pyrite. ╣120.10-133.50╠ «2» Mafic Volcanic Rocks, Massive mafic flow. Local selvages visible. ╣133.50-138.40╠ «2» Mafic Volcanic Rocks, Local flow textures, flow breccia and crackle brecciation. ╣138.40-150.70╠ «2» Massive mafic flow with selvages and local flow breccia. ╣150.70-156.40╠ «2» Massive section (possible mafic dyke?) ╣156.40-164.70╠ «2» Massive Mafic Flow Local Po bands visible. ╣164.70-166.20╠ «2» Massive sections with Interflow selvage/flow breccia. 2-4%Po in the interflow portions. ╣166.20-172.90╠ «2» , Massive Mafic Flow. Local pillow selvages evident. ╣172.90-179.80╠ «» , Interflow breccia with 2-4% Po and 1% Py content. Local (minor) massive sections. ╣179.80-206.90╠ «2» , Pillow Basalt - Massive flow with interflow selvages and flow breccia evident		╣119.70-148.90╠ «M S Cb» Moderate spots carbonatization Moderate vein and patchy carbonate alteration. Calcite. ╣148.90-164.70╠ «M F Cb» Moderate Fracture/Vein Controlled Carbonatization mod-strong calcite veins and patches. Carbonate alteration is stronger here than in other zones within this unit. ╣209.30-214.00╠ «M P Cb» Moderate pervasive carbonatization ╣214.00-228.90╠ «S P Cb» Strong pervasive carbonatization	╣119.70-120.10╠ «8% D Py,1% Po» 8-9% disseminated foliation parallel Py. 1% disseminated Po ╣120.10-133.50╠ « D Po, D Py» Disseminated blebs of Pyrrhotite, Disseminated blebs of Pyrite, 1% Po Tr Py ╣133.50-138.40╠ « Py, Po» Tr Py Po blebs ╣138.40-146.80╠ « D Py, D Po» Tr Py Po blebs ╣146.80-150.70╠ « Py, Po» 1% Py 2-3% conductive foliation parallel Po blebs in interflow breccia ╣150.7-156.4╠ «Py , Po» Tr Py Po blebs ╣156.40-164.70╠ «2% D Po, Py» 2% disseminated blebs of Po and Tr Py subparallel to schistosity and within interflow breccia zones. ╣164.70-166.20╠ «3% D Po» 3% disseminated blebs of Pyrrhotite parallel and subparallel to schistosity ╣166.20-172.90╠ «1% D Po, D Py» 1% disseminated blebs of Pyrrhotite, Tr-1% disseminated blebs Pyrite 172.90-179.80╠ « D Py, D Po» Disseminated foliation parallel blebs of Pyrite and Pyrrhotite in interflow breccia. 2%Py 2-4%Po ╣179.80-206.90╠ «1% D Po, Py» Disseminated blebs of Pyrrhotite and Pyrite, Tr-1% Po Tr-1% Py	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		╣206.90-209.30╠ «2» , Massive mafic flow - Dark green amphiboles or chlorite porphyroblasts. ╣209.30-214.00╠ «2» , Fine grained mafic flow. Local angular autobreccia pieces (jigsaw fit). Epidote in quartz vein at 212.6 ╣214.00-228.90╠ «2» , Massive bleached strongly carbonitized mafic volcanic with local flow breccia.			╣206.90-209.30╠ « D Py, D Po» Disseminated blebs of Pyrite and pyrrhotite, Tr Py-Po ╣209.30-228.9.00╠ « D Py, D Po» Disseminated blebs of Pyrite and pyrrhotite, Tr-1% Py and Po	
228.90 TO 228.90	«EOH»					

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppb	Sb ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK TYPE	Comments
AU00667	118.30	119.70	1.40	54	210	9	52	3	0.2																	
AU00668	119.70	120.10	0.40	142	126	3	38	<2	0.4																	
AU00669	120.10	121.50	1.40	63	156	1	31	3	0.1																	
AU00670	176.40	177.40	1.00	60	175	1	49	<2	0.1																	
AU00671	177.40	178.90	1.50	76	248	1	79	10	0.1																	
AU00672	178.90	179.80	0.90	70	217	1	61	3	0.1																	
AU00673	179.80	180.80	1.00	61	203	1	53	7	0.1																	

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AU00590	61.00	64.00	3.00	63.05	16.77	2.72	1.41	3.16	1.86	5.49	0.96	0.16	0.08		3.84	99.50	25	170		30	210	35	260		3,8(j)	217
AU00591	110.30	113.40	3.10	64.57	16.38	2.27	1.30	3.69	2.16	3.79	0.57	0.11	0.05		4.77	99.66	15	150		65	200	30	505		3,8j	202
AU00592	121.70	124.70	3.00	46.57	11.07	8.36	3.95	0.71	0.28	15.94	2.72	0.43	0.26		9.26	99.55	45	220		35	160	35	150		2,7(h)	118
AU00593	139.30	142.30	3.00	48.66	12.90	9.36	3.05	2.53	0.09	13.13	2.58	0.42	0.25		6.50	99.47	50	210		50	190	50	185		2,7(h)	108
AU00594	163.70	166.70	3.00	46.01	10.63	8.73	3.33	1.99	0.23	20.43	2.54	0.44	0.25		4.89	99.47	45	210		25	170	15	120		2,7(h)	97
AU00595	203.30	206.30	3.00	49.98	13.41	9.06	4.30	1.98	0.16	13.92	2.85	0.47	0.25		3.29	99.67	50	230		75	230	55	310		2,7(h)	120
AU00596	215.50	218.60	3.10	54.26	14.07	8.41	4.02	4.16	0.45	8.97	2.41	0.39	0.18		2.36	99.68	50	190		50	180	65	550		2,7(h)	108

Sample	From (M)	To (M)	Leng. (M)	RB PPM	SR PPM	CO2 %	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM
AU00590	61.00	64.00	3.00						20		0.81	120																	
AU00591	110.30	113.40	3.10						15		0.65	75																	
AU00592	121.70	124.70	3.00						50		0.37	330																	
AU00593	139.30	142.30	3.00						45		0.38	330																	
AU00594	163.70	166.70	3.00						40		4.17	315																	
AU00595	203.30	206.30	3.00						50		0.37	365																	
AU00596	215.50	218.60	3.10						45		0.40	340																	

Sample	From (M)	To (M)	Leng. (M)	SM PPM	EU PPM	GD PPM	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AU00590	61.00	64.00	3.00														5						10		0.38	0.16	25	36	66
AU00591	110.30	113.40	3.10														5						10		0.45	0.14	23	37	54
AU00592	121.70	124.70	3.00														15						30		0.37	0.76	9	32	225
AU00593	139.30	142.30	3.00														10						35		0.35	0.73	16	21	75
AU00594	163.70	166.70	3.00														10						25		0.28	0.82	5	25	85
AU00595	203.30	206.30	3.00														15						35		0.42	0.68	13	29	116
AU00596	215.50	218.60	3.10														10						35		0.52	0.60	16	26	43

Sample	From (M)	To (M)	Leng. (M)	YB PPM	NB PPM	HG PPB
AU00590	61.00	64.00	3.00		10	
AU00591	110.30	113.40	3.10		<10	
AU00592	121.70	124.70	3.00		10	
AU00593	139.30	142.30	3.00		20	
AU00594	163.70	166.70	3.00		10	
AU00595	203.30	206.30	3.00		10	
AU00596	215.50	218.60	3.10		20	

HOLE NUMBER: JS12-05

FALCONBRIDGE LIMITED
DRILL HOLE RECORD

DATE: 09/17/1998
IMPERIAL UNITS: METRIC UNITS: X

PROJECT NAME: KIDD/HBED/EAL JV
PROJECT NUMBER: 8036
CLAIM NUMBER: 1193143
LOCATION: Jessop TWP

PLOTTING COORDS GRID: UTM
NORTH: 5377680.00N
EAST: 468333.00E
ELEV: 252.80

ALTERNATE COORDS GRID: Noranda 92
NORTH: 10+20 N
EAST: 9+ 0 W
ELEV: 232.80

COLLAR DIP: -50° 0' 0"
LENGTH OF THE HOLE: 428.90M
START DEPTH: 0.00M
FINAL DEPTH: 428.90M

COLLAR ASTRONOMIC AZIMUTH: 155° 0' 0"

GRID ASTRONOMIC AZIMUTH: 335° 0' 0"

DATE STARTED: 07/15/1998
DATE COMPLETED: 07/20/1998
DATE LOGGED: 07/23/1998

COLLAR SURVEY: NO
RQD LOG: NO
HOLE MAKES WATER: NO

PULSE EM SURVEY: NO
PLUGGED: YES
HOLE SIZE: BQ

CONTRACTOR: Courte Diamond Drilling
CASING: 48.00m left in hole
CORE STORAGE: Minesite
UTM COORD.:

COMMENTS : Hole drilled to test offhole anomaly detected in JS12-05
WEDGES AT:

DIRECTIONAL DATA:

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
61.00	152° 0' 0"	-49° 0' 0"	S	OK	
121.00	152° 0' 0"	-46° 0' 0"	S	OK	
183.00	159° 0' 0"	-42° 0' 0"	S	OK	Flattening quickly
243.00	165° 0' 0"	-32° 0' 0"	S	OK	Really coming up!
304.00	170° 0' 0"	-27° 0' 0"	S	OK	
361.00	173° 0' 0"	-23° 0' 0"	S	OK	

Depth (M)	Astronomic Azimuth	Dip degrees	Type of Test	FLAG	Comments
-	-	-	-	-	

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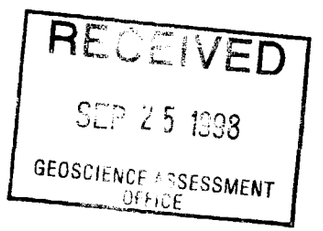

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
0.00 TO 48.00	«┤ob├»					
48.00 TO 138.60	«5,a,F»	INTERCALATED GREYWACKE AND ARGILLITE -Intercalated bands of light and dark grey greywacke, mudstone and carbonaceous argillite. -From 48.0 to 101.2m, unit is composed of more argillitic material. Beds of finely laminated mustone and carbonaceous argillite exhibit signs of extensive soft sediment deformation. Beds locally become extremely convaluted. -A well developed slately cleavage is developed throughout this interval, rendering core extremely blocky and broken. ╣48.0-101.2╠ «┤S1 55°├» -Downhole from 101.2m, unit is composed of coarser grained greywacke sediments intercated with minor bands of finer grained argillitic material. -Coarser clastic sequences are typically poorly graded, often containing rip up clasts of argillitic material. Pebble sized clasts of mafic and rare felsic clasts are locally observed. -Features resembling load casts are observed at 112.3 and 132.4m. Flame structures associated with the load casts suggest an uphole facing direction. -Foliation cleavage is variable throughout interval rotating from 50-55 deg near the 102.0m to 40 deg between 118.0 and 124.0, back to 45 deg near the downhole contact. A weakly developed lineation raking 65 deg suggests that the dominant foliation may be weakly undulated around a later, but more weakly developed fold axis. The lineation appears to plunge to the west at a shallow dip. ╣101.2-138.6╠ «┤S2 45°├» -Intervals of blocky and leached core observed between 48.0 and 50.4m, 64.1 and 69.0m, 83.8 and		-Unit crosscut by minor qtz/carbonate veinlets. -Fracture controlled to disseminated and porphyroblastic carbonate alteration is week to moderate throughout unit. -Minor fracture controlled carbonaceous alteration developed proximal to argillitic sections.	-Trace disseminated euhedral Py.	-None of the carbonaceous argillite sections observed throughout interval were conductive.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		86.1m, 93.0 and 95.5m, 100.0 and 102.9m, 108.1 and 108.8m, 124.0 and 127.2m, and 136.4 and 138.3m. -Area around downhole contact is badly broken accompanied by numerous gouge faults. -Downhole contact marked by brittle faulting. ╣136.8-138.6╠ «┤FAI├»				
138.60 TO 182.65	«2,p,bx,y»	BRECCIATED PILLOWED MAFIC VOLCANICS -Dark green, fine grain pillowed carbonatized mafic volcanics. -Pillow interiors are weakly insitu brecciated and relatively non-vesiculated interspaced by chloritic selvages. Pillow forms are vaguely defined. Pillow margins are often accompanied by minor amounts of fragmental material. -Downhole from 167.0m, selavages host trace to minor amounts of Po. -No pronounced foliation observed. -Downhole contact is indistinct, marked by the disappearance of distinguishable pillow forms.		-Insitu brecciation is accompanied by fracture controlled to pervasive minor qtz/carbonate alteration. -Near uphole contact fractures are infilled by minor carbonaceous alteration.	-Between 167.0 and 176.0m, pillow selvages host minor Po.	-Possibly icelanditic in composition. -Check geochem
182.65 TO 255.10	«2,a,m,y»	MASSIVE TEXTURED MAFIC VOLCANIC -Dark green fine grained massive mafic volcanic. -Unit is weakly insitu brecciated overprinted by fracture controlled qtz/carbonate alteration. -Locally, qtz/carbonate amygdules are observed, specifically between 210.0 and 216.0m. -Unit is massive and non foliated, crosscut by minor qtz/carbonate and qtz/albite veinlets. -Downhole contact is indistinct marked by a returen to darker green, fine grained mafic material exhibiting well fromed pillows.		-Minor fracture controlled to pervasive qtz/carbonate alteration. -Locally pervasive carbonatization becomes moderately strong. -Between 230.2 and 230.8m, section is srongly brecciated infilled by qtz/albite veining hosting two specks of coarse grain dark brown sphalerite. -Weak fuchsite alteration is developed around the veining. Vein material occupies 65% of core between 220.3 and 220.5m.	-Trace disseminated euhedral PY is observed between 188.0 and 191.0m, and 207.0 and 208.0m. -Trace SPH observed in qtz/albite veining between 230.3 and 230.5m.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
255.10 TO 274.95	«2,p,bx,y»	BRECCIATED PILLOWED MAFIC VOLCANICS -Dark green fine grained insitu brecciated pillowed mafic volcanics. -Insitu brecciation is accompanied by fracture and selvage controlled carbonate alteration. -Pillow interiors are relatively non-vesiculated rimmed by dark green carbonatized chloritic selvages. Minor carbonate filled amygdules observed coallescing around selvages between 270.0 and 273.0m. Interpillow margins host minor hyaloclastitic material. -Unit is relatively unfoliated. -Downhole contact is indistinct, marked by a return to massive textured material.		-Fracture controlled to pervasive qtz/carbonate alteration is moderate to strong throughout interval. -Qtz/carbonate veinlets occupy 5-7% of unit. -Selvages are commonly strongly chloritized. Locally selvages also host trace amounts of a fine grained dark black mineral (possibly chloritoid). Chlorite and (chloritoid?) commonly accompany minor amounts of selvage hosted PY/Po.	-Minor fracture and selvage controlled Po and Py mineralization.	
274.95 TO 279.55	«7,a,m»	FINE GRAINED MASSIVE MAFIC INTRUSIVE -Light green to grey, fine grain mafic volcanic/intrusive. -Unit is massive in texture and hosts fine disseminations of a buff to cream colour mineral interpreted to be leucoxene. -Unit is non-foliated overprinted by minor qtz/carbonate veining. -Downhole contact is sharp, 45 deg TCA.		-Minor qtz/carbonate veining. Qtz/carbonate veinlets occupy <1% of interval.	-Minor disseminated Py and Po developed towards downhole contact. -Py/Po is 0.5 to 1.0% abundant between 279.20 and 279.55.	-Unclear whether unit is of extrusive or intrusive origin. Interpreted to be thin sill. Logged by P. Prince in hole JS12-03 as diorite.
279.55 TO 281.25	«5,g,s,*g»	GRAPHITIC ARGILLITE HOSTING MINOR PY/PO -Dark grey to black, fine grained banded and finely laminated carbonaceous argillite and graphite. Graphitic sections host minor PY and PO mineralization. Sulphide content averaged across section ranges from 4 to 6%. -Banding/laminations are parallel to cleavage, 50 deg TCA. «┤S0 50°├» -Numerous intervals of broken and ground core.		-Minor fracture controlled qtz/carbonate alteration. -Tiny qtz veinlets occupy <1% of unit.	-Sediments host minor fracture/bedding controlled disseminated, and nodualr Py mineralization. Fine disseminated Po mineralization also observed. -Trace specks of SPH and CP occasionally observed rimming PY nodules. -Trace CP accompanies Po mieralization at 281.0m. -Sulphides are 4 to 6% abundant.	-Graphitic sections of core are strongly conductive. -Same graphite intersected by JS12-03.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		Graphite, and graphitic mud observed in box at 280.2m, and 280.8m. ╡280.1-280.3╞ «┤FAI├» -Downhole contact is sharp, 50 deg TCA marked by appearance of flattened lapilli sized fragments of sericitic material.				
281.25 TO 304.30	«4,q,*a,bx»	QTZ/PHYRIC FELSIC TUFFS AND EPICLASTICS -Sequence composed of series of qtz eye bearing felsic lapillistones, tuffs, and heterolithic epiclastic sequences. -Unit hosts minor fracture controlled PY and PO. Locally, tracer SPH staining is observed. -Overall appearance of unit can be described as highly variable. Variability might reflect compositionally different beds/subunits. Light grey to yellow siliceous and sericitic sections are interspaced by dark green spotty material. Fine rounded to angular grains of qtz (0.5-1mm diameter) are 1 to 3% abundant throughout unit. -Lighter grey sections may represent felsic tuff intervals. Darker sections hosting porhyroblasts of (illmenite?) may define more heterogeneous epiclastic bed, originally containing minor amounts of detrital illmentite/sphene. -From uphole contact to 281.7m, a weakly developed fragmental texture is observed. Vague lapilli sized forms interpreted as fragments can be observed throughout unit. -Fine cross bedded laminations are observed between 295.9 and 297.5m. Crossbedding is interpreted as evidence for primary bedding/crossbedding and indicates that sequence is tuffaceous/epiclastic in origin. -Cross bedding indicates an uphole facing direction. -Sericitic sections are interspaced by minor intervals of darker green spotty textured, chloritic material hosting disseminations of a		-Variable silicification and sericitization produces mottled textures that obscure primary features. -Sercitic alteration is notably strong between 285.4 and 285.8m. -Unit is strongly silicified between 294.8 and 294.2m. -Intervals containing spotty disseminations of a buff coloured porphyroblastic mineral resembling leucoxene are observed in several locations throughout unit. -The unknown mineral is relatively hard and does not respond to carbonate tests. Spots are typically round to subangular in shape often smeared out along foliation planes. (interpreted to be leucoxene)	-Minor fracture controlled PY and PO observed around uphole contact from 281.25 to 282.60m. -Fracture/stringer controlled PY/PO accompanied by trace fracture controlled SPH and SPH dusting is observed between 284.15 and 290.25, and 295.7 and 2998.25m. -Interval is similar in appearance to mineralization intersected by JS12-03, but hosts less sulphides. -Sulphide content of "mineralized" interval ranges from 0 to 2%. -Individual stringers are conductive. Connectivity of stringers is unknown.	-Interval interpreted to be sequence of qtz phyric rhyolite tuffs, interspaced by minor epiclastic sections. -Possible uphole facing (north). -Cut WR sample taken from 295.7 to 297.4m.

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		buff coloured porphyroblastic mineral believed to be illmenite. -Spotty texture is strongly developed between 282.8 and 282.95m, 283.60 and 284.15m, 289.35 and 289.80m, 291.5 and 292.9m, 295.5 and 295.7m, 298.25 and 298.55m, and 302.5 and 304.1m. -From 281.25 to 290.25m, unit hosts minor fracture/stringer controlled to disseminated PY and PO. Trace fracture controlled and dusty SPH staining is observed throughout interval. Sulphide content is less than 1% throughout unit. -A moderately strong foliation defined by sericitic partings and preferential allignment of stringer sulphides is observed, 53 deg TCA. «┤S1 53°├» -Downhole contact is sharp, 70 deg TCA.				
304.30 TO 307.00	«3,a,bx,*a»	INTERMEDIATED TUFF -Variable colour gradationally from light grey at upper contact to dark green. -From 304.3 to 305.3m, unit hosts abundant qtz phenocrysts. Downhole fron 305.3 unit becomes more chloritic and contains less and less qtz phencrysts. -Interval may represent a graded bed of reworkd volcanic material. -Minor PO observed at uphole contact. -Downhole contact is gradational.		-Unit appears silicified near the uphole content, becoming more chloritic towards the lower contact. -From 304.3 to 305.2m, unit hosts 1-3% disseminated porphyroblasts of an unknown buff coloured mineral. (leucoxene?)	-Minor disseminated PO and fracture remobilized PO accompanied by trace CP and SPH observed between 305.2 and 306.5m. -4mm diameter patch of CP conatining speck of dark brown SPH noted at 306.25m.	-Similar interval logged in JS12-03 by P Prince.
307.00 TO 321.45	«2,a,bx,y»	BRECCIATED MAFIC VOLCANIC -Dark green fine grained brecciated mafic volcanics. -Passive to pillowed textured mafics, interspaced by minor interflow fragmental sections are weakly insitu brecciated and overprinted by minor qtz/carbonate veining. -Weakly developed selvage features are observed		-Fracture/veinlet controlled qtz/carbonate alteration occupies 4-6% of unit. -Dark green to black chloritic alteration is strong between 319.2 and 320.2m.	-Trace patches of fracture controlled PO.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		in several locations. -Interflow sections between 314.4 and 314.6 and 317.9 and 318.1m may contain minor amounts of felsic material. -Unit exhibits a weak to moderately developed foliation cleavage, 68 deg TCA. -Downhole contact is weakly brecciated, infilled by minor qtz/carbonate veining.				
321.45 TO 329.20	«3,a,<RWV>»	REWORKED INTERMEDIATE VOLCANIC DEBRIS -Dark grey to green, variably silicified qtz/phyric reworked volcanic debris. -Unit is fine grained, ranging from massive to vaguely fragmental in texture and hosts 2-3% disseminated porphyroblasts of a buff mineral, possibly leucoxene. -Unit is similar to porphyroblastic sections from the unit between 281.25 and 304.3m. -Downhole contact is sharp, marked by a feature resembling a pillow selvage.		-Unit is overprinted by minor qtz/carbonate and qtz/albite veining. -From 325.0 to 328.5m, unit hosts 2-3% disseminated spots of a buff coloured mineral. (Possibly leucoxene) -Between 328.1 and 329.2, unit is overprinted by moderate to strong fracture controlled silicification. Silica flooding is observed bleeding out from a stockwork fracture pattern.	-Trace fracture controlled SPH appears to accomapany silicification.	
329.20 TO 361.50	«2,a,bx,y»	BRECCIATED MAFIC VOLCANICS -Dark green fine grained weakly insitu brecciated massive mafic volcanics. -Overall texture of rock is massive, overprinted by minor qtz/carbonate veining. Between 329.2 and 342.0m, vague fragmetnal textures possibly defining interflow/selvage are observed. -Unit is relatively non-foliated. -Towards downhole contact, mafics become lighter grey in colour. -Downhole contact is sharp, 60 deg TCA.		-Moderate to strong fracture controlled pervasive carbonatization. -Qtz/carbonate veinlets occupy 2-4% of unit. -Unit becomes weakly schistose around small center of qtz/carbonate veining between 334.30 and 334.45m.	-Trace disseminated euhedral PY observed between 339.0 and 342.0m.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
361.50 TO 369.05	«4,a,q»	QUARTZ PHYRIC RHYOLITE -Light grey to green, variably textured rhyolitic material. -Fine grained siliceous sections hosting up to 1% fine disseminated qtz phenocrysts are interspaced by more chloritic sections. Alternation between Light grey and darker green material may coincide with compositional variability of protolith. -A crudely developed 10cm to 1m scale banding cuts core from 45 to 55 deg TCA. -Downhole contact is sharp, 70 deg TCA.		-Unit is extensively overprinted by a a buff coloured porphyroblastic mineral occupying 1-4% of unit. -Minor qtz/albite veining.	-From 361.5 to 361.8m, unit hosts 3-5% patchy PY and PO mineralization. -Trace to nil sulphides observed throughout remainder of interval.	
369.05 TO 371.80	«3,a,q,s»	QUARTZ PHYRIC VOLCANIC HOSTING MINOR PO/PY -Dark green, spotty porphyroblastic textured intermediate to felsic, qtz phyric volcanic hosting 4-6% PY and PO. -Protolith is overprinted by silicification, mild carbonatization and fracture controlled to patchy sulphide mineralization that obscures primary textures. -A weak foliation defined by chloritic partings is observed, 60 to 65 deg TCA. «┤S0 60°├» -Downhole contact is indistinct.		-Unit is variably silicified and chloritized, overprinted by spotty porphyroblasts of an unknown buff coloured mineral. -Minor fracture controlled qtz/carbonate alteration. -Minor fracture controlled dark green chlorite is developed around stringer sulphide mineralizations.	-4 to 6% fracture controlled to patchy stringer textured PY and PO. -Patches of botroidal textured PY are typically surrounded by finer grained stringer style patches of PO. -No base metal sulphides observed.	
371.80 TO 384.80	«2,a,m»	MASSIVE MAFIC VOLCANIC -Dark green fine grained massive to weakly insitu brecciated mafic volcanics. -Mafics are overprinted by minor qtz/carbonate veining. -Fine grained cream coloured leucoxene grains are observed locally. -Exhibits a weak schistocity, 60 deg TCA. -Downhole contact is sharp, parallel to foliation.		-Minor qtz/carbonate veining observed throughout. Veining induces moderately strong pervasive carbonatization in some sections. -Thin fracture controlled chlorite accompanies PY/PO mineralization between 370.8 and 375.0m.	-From 370.8 to 374.7m, fracture/stringer controlled PY and PO mineralization occupies 2-4% of unit. -No base metal bearing sulphides observed.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		«┤S0 60°├»				
384.80 TO 392.50	«4,a,q,e»	QUARTZ PHYRIC RHYOLITE -Fine grained light grey amygdule bearing quartz phyric rhyolite. -Unit is similar in appearance to sections of rhyolite logged uphole. Rhyolite is fairly siliceous, hosts 1 to 3% disseminated qtz phenocrysts, and is overprinted by a buff coloured porphyroblastic mineral. -Quartz, and carbonate filled amygdules ranging from 2 to 5mm in diameter are observed locally. -Unit is relatively massive in texture from the uphole contact to 391.0m. Downhole from 391.0m, darker green patches interpreted to be fragments are visible. Fragment forms are subangular and range from 1 to 3cm in diameter. -A weak foliation, 65 deg TCA is noted. «┤S1 65°├» -Downhole contact is sharp, 65 deg TCA.		-Unit heavily overprinted by the buff coloured porphyroblastic mineral. -Moderate to strong pervasive silicification apparent.	-Trace PO/PY	-Rholitic/dacitic flow?
392.50 TO 407.85	«2,m,p,bx»	MASSIVE TO PILLOWED MAFIC VOLCANICS -Dark green fine grained massive to pillowed textured mafic volcanics. -From the uphole contact to 401.0m, unit is relatively massive, overprinted by minor qtz/carbonate veining. Downhole from 401.0m, well defined selvages hosting minor amounts of Py and PO are encountered. -1 to 2mm diameter carbonate filled amygdules are observed around 403.6m. -Downhole contact is sharp, parallel to schistocity, 65 deg TCA.		-Minor fracture controlled to pervasive qtz/carbonate alteration.	-Minor fracture controlled to disseminated euhdral PY.	
407.85 TO 428.90	«4,a,q,e»	QUARTZ PHYRIC RHYOLITE -Light grey, fine grain spotty textured, quartz phyric amygdular rhyolite. Unit is similar in		-Buff coloured porphyroblasts of the unknown mineral occupy 2-4% of unit from 407.85 to 421.65m.	-No sulphides observed.	

FROM TO	ROCK TYPE	TEXTURE AND STRUCTURE	ANGLE TO CA	ALTERATION	MINERALIZATION	REMARKS
		appearance to previous rhyolite unit. -Rare 3 to 7mm diameter qtz filled amygdules occur throughout unit. -From 407.85 to 421.65m, unit is highly siliceous and massive in texture, overprinted by spotty porphyroblasts of the unknown buff coloured mineral. -Downhole from 421.65 appearance of unit becomes variable. Darker green chloritic bands interspace aphanitic sections of lighter grey rhyolite. -Dark green bands may be product of strongly developed focussed chloritization or after compositional variablity of the protolith. -Unit exhibits a weakly developed foliation cleavage, 50 to 55 deg TCA. -Locations of blocky, broken core intersected between 407.95 and 408.10m, 411.0 and 411.4m, and 426.7 and 427.11m.		-Minor qtz/albite veining.		
428.90 TO 428.90	«EOH»					

Sample	From (M)	To (M)	Leng. (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Cu/Zn	Co ppm	Pt ppb	Pd ppb	S ppm	Se ppm	As ppm	Hg ppb	Sb ppm
AU00651	230.20	230.80	0.60	59	96	13	65.0	3	0									
AU00652	279.50	281.05	1.55	461	5920	47	171.0	21	1									
AU00653	281.05	282.60	1.55	46	491	5	20.0	3	0									
AU00654	284.15	285.60	1.45	23	98	3	18.0	0	0									
AU00655	285.60	287.10	1.50	23	89	4	22.0	0	0									
AU00656	287.10	288.70	1.60	12	64	2	11.0	0	0									
AU00657	288.70	290.25	1.55	37	153	2	17.0	0	0									
AU00658	361.50	361.80	0.30	127	763	4	39.0	3	0									
AU00659	369.05	369.75	0.70	22	249	1	12.0	0	0									
AU00660	369.75	371.00	1.25	79	221	8	37.0	13	0									
AU00661	371.00	371.80	0.80	44	218	1	32.0	7	0									
AU00662	371.80	373.25	1.45	80	175	2	36.0	0	0									
AU00663	373.25	374.70	1.45	97	170	2	34.0	0	0									
AU00664	392.50	394.00	1.50	67	179	1	35.0	10	0									
AU00665	394.00	395.40	1.40	58	151	4	38.0	10	0									

Sample	From (M)	To (M)	Leng. (M)	SIO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TIO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	BA PPM	RB PPM	SR PPM	CO2 %	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM
AU00571	145.40	148.40	3.00	46.52	13.22	8.52	3.39	2.38	0.13	13.53	2.70	0.42	0.22		8.38	99.41	45	210					75	235	45	130	2,p,bx	2(h)yz	120
AU00572	178.90	182.00	3.10	47.65	13.73	9.54	4.25	3.46	0.30	9.78	2.38	0.37	0.23		7.78	99.47	45	180					45	110	65	160	2,p,bx	2(h)yz	103
AU00573	191.10	194.20	3.10	51.03	15.65	6.65	3.03	5.36	0.76	7.33	2.78	0.42	0.16		6.58	99.75	50	210					55	105	65	185	2,a,m	2(h)yz	123
AU00574	233.80	236.90	3.10	51.08	9.63	6.66	3.58	2.20	0.74	11.61	2.19	0.35	0.30		11.18	99.52	40	170					30	140	30	125	2,a,m	2(h)yz	100
AU00575	276.60	279.50	2.90	52.23	10.17	7.20	3.39	1.09	1.78	8.60	2.40	0.38	0.25		11.89	99.38	45	190					30	85	45	200	7,a,m	7(h)yz	101
AU00576	282.60	285.60	3.00	80.85	6.50	0.77	0.33	0.76	1.90	3.99	0.16	<0.01	0.07		4.06	99.40	85	290					<5	80	<5	240	4,q,*a,4	(h)z	190
AU00577	295.70	297.40	1.70	86.38	5.34	0.98	0.12	2.06	0.56	1.56	0.20	<0.01	0.03		2.28	99.52	50	290					<5	35	<5	250	4,q,*a	4(j)B	148
AU00578	305.00	305.20	0.20	70.56	6.61	3.35	1.96	1.75	0.88	4.63	1.12	0.03	0.11		8.84	99.84	15	50					5	55	10	75	3,a,bx,	2(h)!	111
AU00579	313.00	316.00	3.00	58.49	11.59	5.02	2.64	2.70	0.69	10.42	1.52	0.15	0.24		6.31	99.77	55	220					55	300	25	130	2,a,bx	2(h)	138
AU00580	325.20	328.30	3.10	60.20	11.69	2.76	1.13	3.79	1.36	10.34	0.46	0.07	0.37		7.41	99.58	100	430					<5	235	10	345	3,a,<RW4	(h)z	148
AU00581	340.50	343.50	3.00	46.19	11.80	8.28	4.26	2.04	1.31	11.44	2.82	0.45	0.32		10.47	99.38	55	230					15	170	50	160	2,a,m	2(h)yz	101
AU00582	355.70	358.80	3.10	45.63	11.84	7.39	4.06	3.21	0.77	11.83	2.76	0.46	0.21		11.29	99.45	55	230					35	225	55	180	2,a,m,b2	(h)yz	104
AU00583	364.80	367.90	3.10	66.65	10.49	2.95	0.77	2.77	1.95	7.18	0.39	0.06	0.19		6.07	99.47	145	610					15	160	<5	375	4,a,q,e4	(h)z	137
AU00584	377.40	380.10	2.70	48.69	12.05	7.52	4.21	3.03	0.80	11.02	2.07	0.19	0.29		9.76	99.63	40	130					85	210	30	130	2,a,m	2(h)vB	106
AU00585	386.20	389.30	3.10	83.31	4.09	1.53	0.12	1.73	0.98	3.26	0.12	<0.01	0.07		4.71	99.93	35	220					<5	25	<5	120	4,a,q,e4	(j)B	96
AU00586	401.50	404.50	3.00	59.45	8.28	6.02	3.19	1.85	0.14	10.87	1.41	0.05	0.23		8.41	99.90	20	60					20	90	15	45	2,m,p	2hv!	103
AU00587	410.60	413.70	3.10	71.38	9.93	1.37	0.25	5.67	0.81	6.13	0.40	0.07	0.10		3.31	99.42	105	380					<5	245	10	710	4,a,q,e4	(h)z	126
AU00588	425.90	428.90	3.00	66.74	10.29	2.64	0.91	3.49	1.56	8.14	0.58	0.09	0.19		4.85	99.48	85	360					5	145	30	435	4,a,q,e3	(h)z	134

Sample	From (M)	To (M)	Leng. (M)	AG PPM	AU PPB	CO PPM	PB PPM	S PPM	V PPM	AS PPM	SN PPM	CD PPM	SB PPM	BI PPM	SE PPM	HF PPM	TA PPM	W PPM	MO PPM	TH PPM	U PPM	B PPM	CS PPM	LA PPM	CE PPM	ND PPM	SM PPM	EU PPM	GD PPM
AU00571	145.40	148.40	3.00			50		0.55	365																				
AU00572	178.90	182.00	3.10			45		0.22	290																				
AU00573	191.10	194.20	3.10			50		0.29	335																				
AU00574	233.80	236.90	3.10			35		0.28	260																				
AU00575	276.60	279.50	2.90			35		0.36	275																				
AU00576	282.60	285.60	3.00			5		0.59	5																				
AU00577	295.70	297.40	1.70			5		0.43	5																				
AU00578	305.00	305.20	0.20			20		0.81	180																				
AU00579	313.00	316.00	3.00			30		0.53	285																				
AU00580	325.20	328.30	3.10			5		0.05	25																				
AU00581	340.50	343.50	3.00			45		0.07	340																				
AU00582	355.70	358.80	3.10			45		0.19	325																				
AU00583	364.80	367.90	3.10			5		0.23	20																				
AU00584	377.40	380.10	2.70			45		0.33	415																				
AU00585	386.20	389.30	3.10			5		0.39	<5																				
AU00586	401.50	404.50	3.00			25		1.05	195																				
AU00587	410.60	413.70	3.10			10		0.15	30																				
AU00588	425.90	428.90	3.00			10		0.04	60																				

Sample	From (M)	To (M)	Leng. (M)	DY PPM	ER PPM	LU PPM	OS PPB	IR PPB	RU PPB	RH PPB	PT PPB	PD PPB	LI PPM	BE PPM	MN PPM	GA PPM	GE PPM	IN PPM	TL PPM	SC PPM	BR PPM	YB PPM	NB PPM	HG PPB	MGO#	CA/AL	NI/MGO	ISHIKW	ZN/NA2
AU00571	145.40	148.40	3.00											10						35			20		0.37	0.64	13	24	99
AU00572	178.90	182.00	3.10											10						30			10		0.51	0.69	15	26	32
AU00573	191.10	194.20	3.10											10						35			20		0.50	0.42	21	24	20
AU00574	233.80	236.90	3.10											10						25			10		0.42	0.69	8	33	64
AU00575	276.60	279.50	2.90											10						25			10		0.48	0.71	13	38	78
AU00576	282.60	285.60	3.00											<5						5			10		0.16	0.12	15	59	105
AU00577	295.70	297.40	1.70											<5						<5			<10		0.15	0.18	42	18	17
AU00578	305.00	305.20	0.20											5						15			10		0.50	0.51	5	36	31
AU00579	313.00	316.00	3.00											5						25			20		0.37	0.43	9	30	111
AU00580	325.20	328.30	3.10											5						5			10		0.20	0.24	9	28	62
AU00581	340.50	343.50	3.00											10						30			10		0.47	0.70	12	35	83
AU00582	355.70	358.80	3.10											10						30			10		0.45	0.62	14	31	70
AU00583	364.80	367.90	3.10											5						5			20		0.20	0.28	6	32	58
AU00584	377.40	380.10	2.70											10						30			20		0.48	0.62	7	32	69
AU00585	386.20	389.30	3.10											<5						<5			10		0.08	0.37	42	25	14
AU00586	401.50	404.50	3.00											5						20			10		0.41	0.73	5	30	49
AU00587	410.60	413.70	3.10											5						5			10		0.09	0.14	40	13	43
AU00588	425.90	428.90	3.00											5						10			10		0.21	0.26	33	29	42

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use): W9860.00788
Assessment Files Research Imaging

42A11SW2011 2.18859 JESSOP 900

sections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this nt work and correspond with the mining land holder. Questions about this collection ent and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name: Falconbridge Limited	Client Number: 130679
Address: 571 MONETA AVE	Telephone Number: (705) - 267 - 1188
Timmins ON P4N 7H9	Fax Number: (705) - 264 - 6080
Name: Explorers Alliance Limited	Client Number: 303065
Address: Suite 1800 - 95, Wellington St	Telephone Number: (416) - 360 - 5333
Toronto ON	Fax Number: (416) - 360 - 4419

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

☐ Geotechnical: prospecting, surveys, assays and work under section 18 (regs) ☐ Physical: drilling stripping, trenching and associated assays ☐ Rehabilitation

Work Type: Diamond Drilling	Office Use
	Commodity
	Total $ Value of Work Claimed: $37,004
Dates Work Performed: From Day 15 Month Jul Year 98 To Day 29 Month Jul Year 98	NTS Reference
Global Positioning System Data (if available): 468333mE, 5377680mN NAD83 466 467599mE, 5377885 NAD83	Township/Area: Jessop
M or G-Plan Number: G-3984	Mining Division: Porcupine
	Resident Geologist District: Timmins

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: Greg Collins	Telephone Number: (705) 267 - 1188
Address: 571 Moneta Ave, Timmins ON	Fax Number: (705) 264 - 6080
Name:	Telephone Number:
Address:	Fax Number:
Name:	Telephone Number:
Address:	Fax Number:

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SEP 25 1998
GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, Greg Collins (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: Greg Collins	Date: Sept 22, 1998
Agent's Address: 1 Castle Ave, Gold Centre - Schumacher	Telephone Number: (705) 267-2829 Fax Number: (705) - 264 - 6080

0241 (03/97)

SEP 28 1998

SEP 24 1998 C
11:15 Am
PORCUPINE MINING DIVISION

Deemed December 23/98

land where work was performed, at the time work was performed
form.

4986.00788.

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg	TB 7827	16 ha	$26,825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8,892	$ 4,000	0	$4,892
1	1198143	15	$24,127	ϕ	ϕ	$24,127
2	986663	1	$12,877	ϕ	$2,800	$10,077
3	1201912	2	ϕ	$800		
4	1201972	4	ϕ	$1600		
5	1212882	1	ϕ	$400		
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
	Column Totals		37,004	$2800	$2800	$34,207

I, Greg Collins (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing	Date
Greg Collins	Sept 21, 1998

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☐ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
RECEIVED SEP 25 1998 GEOSCIENCE ASSESSMENT OFFICE	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

SEP 24 1998 11:15 AM PORCUPINE MINING DIVISION

SEP 22 1998 PORCUPINE MINING DIVISION

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use): W9860.00788.

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Diamond Drilling	657.8 metres	$51.97/m	$34,184
Associated Costs (e.g. supplies, mobilization and demobilization).			
Geological Services → Core Logging/Monitoring → 12 days		$200.00/day	$2,400
Transportation Costs			
14 days truck rental & Fuel		$30/day	$420.00
Food and Lodging Costs			
		Total Value of Assessment Work	$37,004

RECEIVED
SEP 25 1998 hp 10a m
GEOSCIENCE ASSESSMENT OFFICE

Calculations of Filing Discounts

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK x 0.50 = Total $ value of worked claimed.

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Greg Collins (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Senior Field Geologist (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

RECEIVED
SEP 24 1998
11:15 AM
PORCUPINE MINING DIVISION

Signature	Date
Greg Collins	Sept 18, 1998

0212 (03/97)

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (877) 670-1555

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

November 4, 1998

FALCONBRIDGE LIMITED
SUITE 1200, 95 WELLINGTON STREET WEST
TORONTO, ONTARIO
M5J-2V4

Dear Sir or Madam:

Submission Number: 2.18859

Subject: Transaction Number(s):		**Status**
	W9860.00788	Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Bruce Gates by e-mail at gatesb2@epo.gov.on.ca or by telephone at (705) 670-5856.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 13030

Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.18859

Date Correspondence Sent: November 04, 1998 **Assessor:** Bruce Gates

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9860.00788	1193143	JESSOP	Deemed Approval	October 30, 1998

Section:
16 Drilling PDRILL

NOTE: Assessment work credit has been redistributed, as outlined on the attached Distribution of Assessment Work Credit sheet, to better reflect the location of the work.

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Greg Collins
TIMMINS, ON, CAN

FALCONBRIDGE LIMITED
TORONTO, ONTARIO

EXPLORERS ALLIANCE CORPORATION
TORONTO, ONTARIO

JOHN PETER HUOT
TIMMINS, ONTARIO

Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

Date: November 04, 1998

Submission Number: 2.18859

Transaction Number: W9860.00788

Claim Number	Value Of Work Performed
1193143	24,127.00
986663	1,000.00
986664	11,877.00
Total: $	37,004.00

Correspondence ID: 13030

MAP SYMBOLOGY

Aerial Cableway
Boundary
International
Interprovincial
District, Township Indian Reserve
Mining Claim
Lot, Concession
Approximate
Park Boundary
Bridge
Road, Railroad
Building
Chimney
Cliff, Pit, Pile
Contours
Interpolated
Approximate
Depression
Control Points
Horizontal
Vertical
Culvert
Falls
Fence, Hedge, Wall
Feature Outline (Construction features, etc.)
Flooded Land
Lock
Marsh or Swamp
Mast
Mine Head Frame
Outcrop

Pipeline (above ground)
Railroad
Single Track
Double Track
Abandoned
Turntable
Road
Highway, County, Township
Access (road of doughtful maintenance or equivalent driveway)
Trail, Base Road (portage entry)
Rapids
Double line river with multiple rapids
Single line river with multiple rapids
Reservoir
River, Stream, Canal
Approximate seasonal direction of flow
Rock
Shoal
Spot Elevation (Take elevations) 300.0
Tower
Transmission Line
Poles
Pylons
Tunnel
Utility Poles
Wharf, Dock, Pier
Wooded Area

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(R1)	WITHDRAWN FROM STAKING N.R.W 10/82			
(R2)	WITHDRAWN FROM STAKING N.R.W 69/83			
DT 105	WITHDRAWN FROM STAKING W78/81			

SAND AND GRAVEL

(S1) APPLICATION PENDING UNDER THE AGGREGATE RESOURCES ACT. NOTICE RECEIVED 91-FEB-7.

DATE OF ISSUE
NOV 03 1998
PROVINCIAL RECORDING OFFICE - SUDBURY

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR AD DITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

42A11SW2011 2.18859 JESSOP

200

KIDD TWP.
JAMIESON TWP.
MURPHY TWP.
MOUNTJOY TWP.
TIMMINS AIRFIELD
Beaver Dam
Radio Towers
Beaver Dams
46°26'
81°22'
48°36'
48°34'
46600mE
47000mE
47500mE
5380000mN
5385000mN
5390000mN
5395000mN
corr. Ap 97

LEGEND

HIGHWAY AND ROUTE No
OTHER ROADS
TRAILS
SURVEYED LINES
TOWNSHIPS, BASE LINES, ETC.
LOTS, MINING CLAIMS, PARCELS, ETC.
UNSURVEYED LINES
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC.
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON-PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	◓
" , MINING RIGHTS ONLY	◒
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	▬
" , MINING RIGHTS ONLY	▬
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	(R)
CANCELLED	⊗
SAND & GRAVEL	(S)

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP 380, SEC. 63, SUBSEC 1.

500 Metres 0 1000 Metres
10 0 10 20 30 40 50 60 70 Chains
500 0 1000 2000 3000 4000 5000 Feet

SCALE 1:20 000
GRID ZONE 17

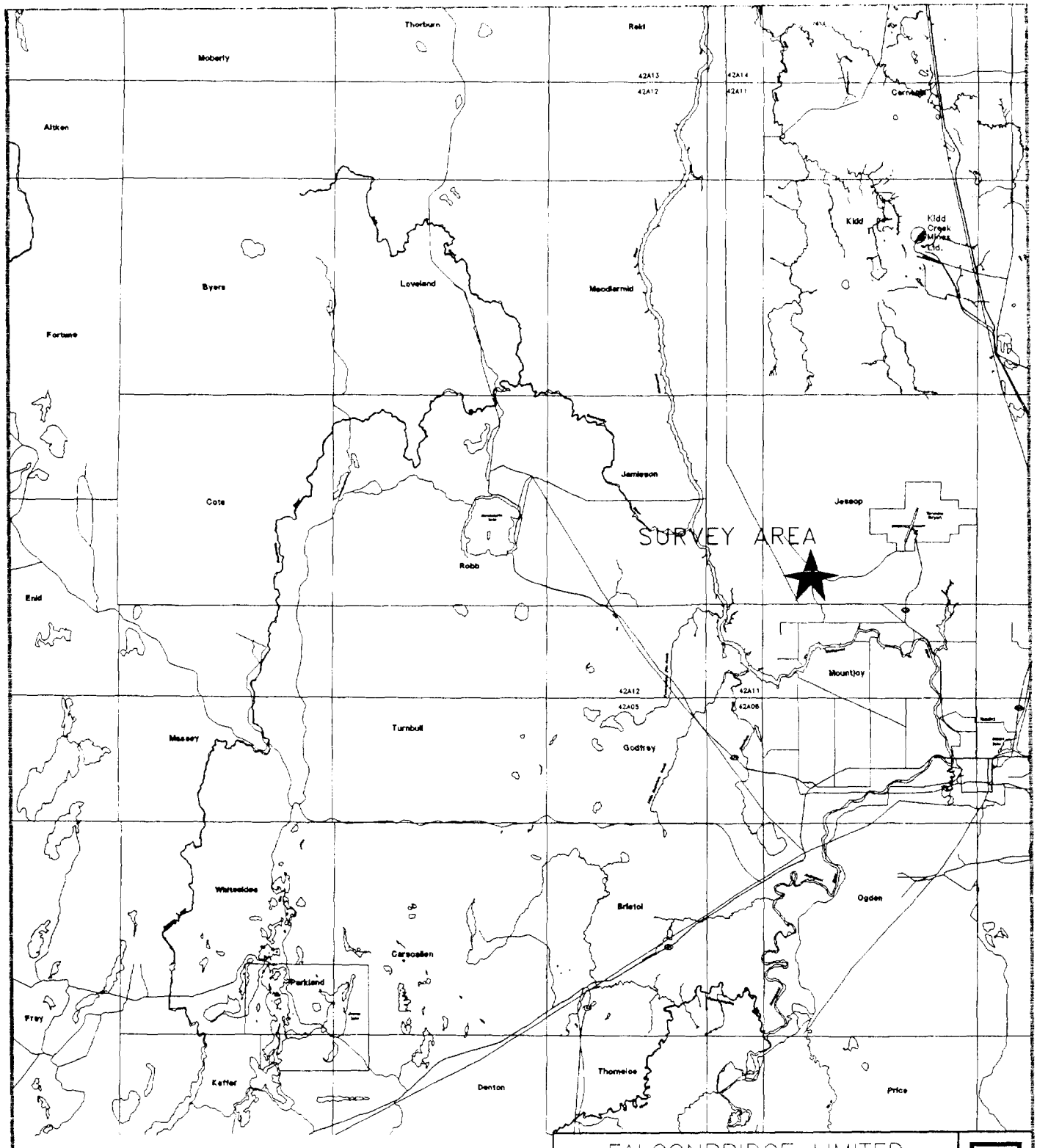
TOWNSHIP

JESSOP

M.N.R. ADMINISTRATIVE DISTRICT
TIMMINS
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ministry of Natural Resources — Land Management Branch
Ontario

ORIGINAL COMPILATION	JULY 1984	Number
REVISED ACTIVATED JAN. 28, 1997		G-3984



FALCONBRIDGE LIMITED

Exploration Division — Timmins ONTARIO

FL / HBED / EAL JOINT VENTURE

JESSOP TOWNSHIP, ONTARIO

LOCATION MAP

TRACED:	DATE:	NTS: 42-A/11	PROJECT: 8036
DRAWN: d e l	DATE: 15/06/98	MAP No:	FILE: 8036 E
SUPERVISED: J G Collins	DATE: 15/06/98	SCALE 1:250000 (metres)	
REVISED:	DATE:	0 2000 4000 6000 8000	

FALCONBRIDGE LIMITED

Exploration Division — Timmins ONTARIO

FL – HBED / EAL JOINT VENTURE

JESSOP TOWNSHIP

DIAMOND DRILL PLAN

JS12-05 & 06

TRACED: PRODES	DATE: 17/09/98	NTS: 42-A/11	PROJECT: 8036
DRAWN: d e l	DATE: 17/09/98	MAP No:	FILE: 8036 F
SUPERVISED: J G Collins	DATE: 16/09/98	SCALE 1:5 000 (metres)	
REVISED:	DATE:	0 40 80 120 160	

ASTRONOMIC

N

SHEET ORIENTED UTM NORTH
AZIMUTH 0° 0'

P 1193671

P 1193145

P 1193143

P 1190023

P 1204198

P 1212882

P 1189441

P 986663

P 1204199

P 1190593

P 1190019

P 1190018

P 1223829

P 986667

P 986664

P 986665

P 986666

Jes13 Grid

TL 600 N

BL 000 (Az. N 65°)

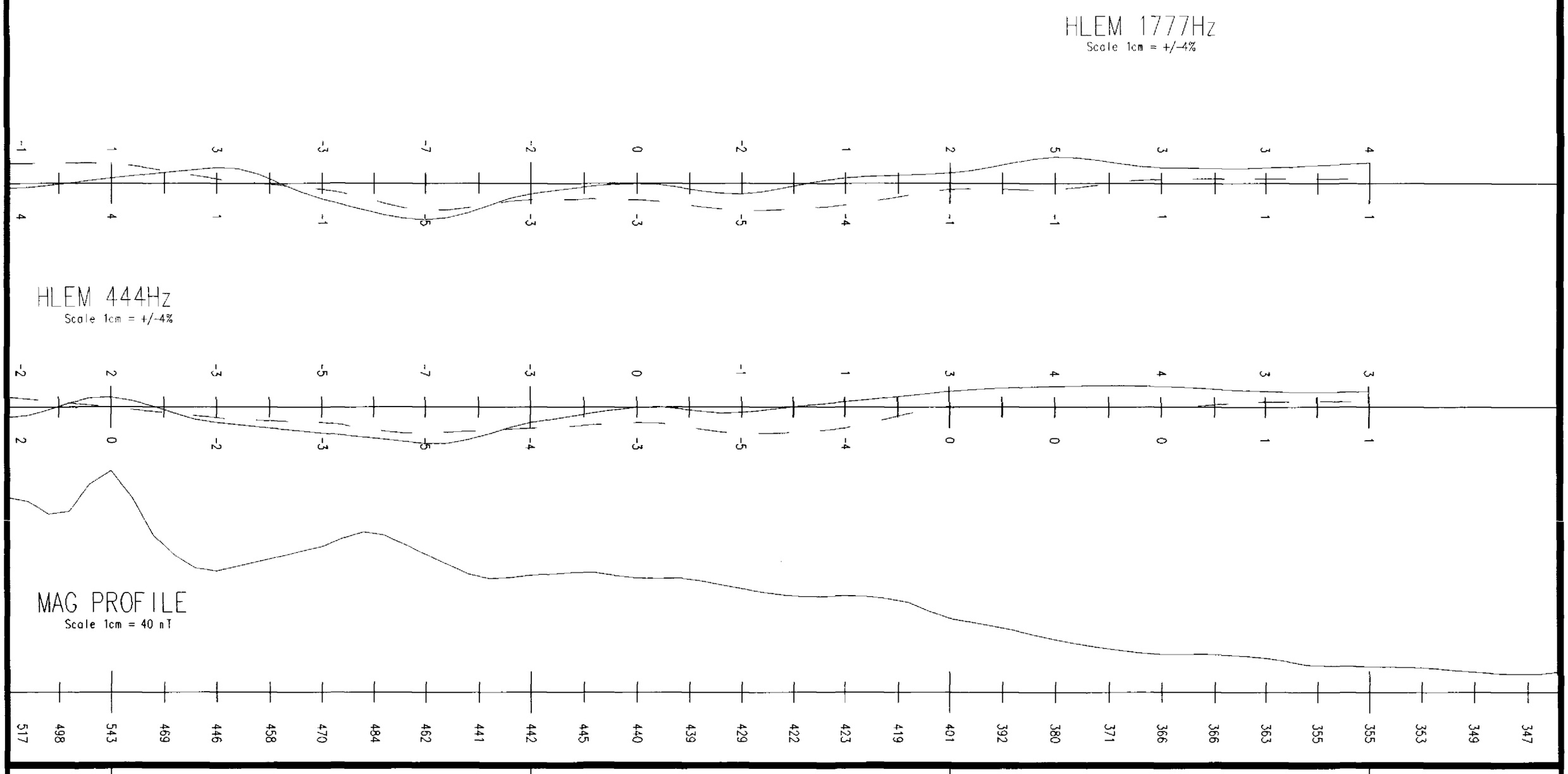
JS12-05
1020mN (5377680mN)
L 900 W (468333mE)
Az. 155° , Dip -50°

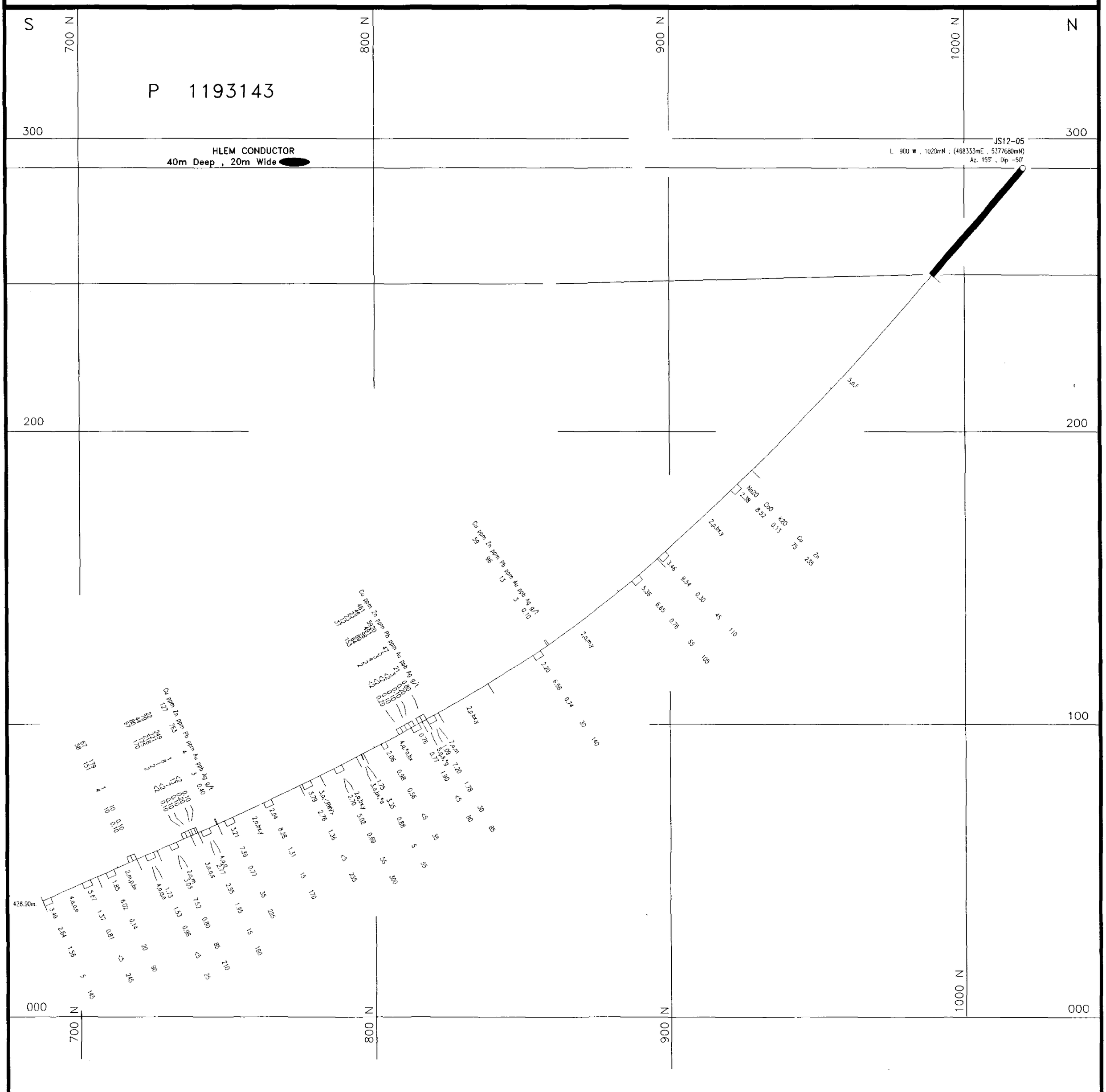
5,a,r
2,p,bx,y
2,a,m,y
2,p,bx,y
2,a,m
5,g,s,*g
4,q,*g,bx
3,a,bx,*a
2,a,bx,y
3,a,<RWV>
2,a,bx,y
4,a,q
3,a,q,s
2,a,m
4,a,q,e
2,m,p,bx
4,a,q,e
428.90m.

JS12-06
680mN (5376865mN)
L 1900 W (467599mE)
Az. 165° , Dip -50°

5,*t
5,*t
5,*t
2,*t
228.90m.

42A11SW2011 2.18859 JESSOP 220





LEGEND

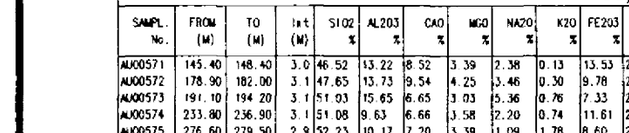
10	DIABASE
9	FELSIC INTRUSIVE ROCKS
8	INTERMEDIATE INTRUSIVE ROCKS
7	MAFIC INTRUSIVE ROCKS
6	ULTRAMAFIC INTRUSIVE ROCKS
5	SEDIMENTARY ROCKS
4	FELSIC VOLCANIC ROCKS
3	INTERMEDIATE VOLCANIC ROCKS
2	MAFIC VOLCANIC ROCKS
1	ULTRAMAFIC VOLCANIC ROCKS

KIDD/HBED/EAL JV ASSAYS TABLE JS12-05

SAMPL No	FROM (M)	TO (M)	Int (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	As ppb	Ag ppb	Est. Ni %	Est. Pb %	Est. Py %	Est. Cp %	Est. Sp %	Est. Gn %	ROCK T
AU00651	230.20	230.80	0.6	59	96	13	55	3	0.1							2,a,a
AU00652	279.50	281.05	1.6	461	5920	47	171	24	0.8							5,a,s,
AU00653	281.05	282.60	1.6	66	491	5	20	3	0.2							5,a,s
AU00654	284.15	285.60	1.5	23	98	3	18	<2	0.1							4,a,ss
AU00655	285.60	287.10	1.5	23	89	4	17	<2	0.1							4,a,ss
AU00656	287.10	288.70	1.6	12	84	2	11	<2	0.1							4,a,ss
AU00657	288.70	290.25	1.6	37	153	2	17	<2	0.2							4,a,ss
AU00658	361.50	361.80	0.3	127	963	4	39	3	0.4							4,a,s
AU00659	369.05	369.75	0.7	22	749	1	12	<2	0.1							5,a,s?
AU00660	369.75	371.00	1.2	79	221	8	37	13	0.2							5,a,s?
AU00661	371.00	371.80	0.8	44	215	1	32	7	0.1							5,a,s?
AU00662	371.80	373.25	1.4	80	175	2	36	<2	0.1							2,a,s
AU00663	373.25	374.70	1.4	97	178	2	34	<2	0.1							2,a,s
AU00664	392.50	394.00	1.5	67	179	1	35	10	0.1							2,a,p
AU00665	394.00	395.40	1.4	56	151	4	38	10	0.1							2,a,p

KIDD/HBED/EAL JV GEOCHEM TABLE JS12-05

SAMPL No.	FROM (M)	TO (M)	Int (M)	SiO2 %	Al2O3 %	CaO %	MgO %	Na2O %	K2O %	Fe2O3 %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	LOI %	SUM %	Y PPM	Zr PPM	Cu PPM	Zn PPM	Ni PPM	Cr PPM	FIELD NAME	CHEM. ID	Al/Ti	Co PPM	S PPM	V PPM	Be PPM	Sc PPM	Mo PPM	Mg/d	Ca/Al	Ni/MgO	1SH KM	Zn/Ni2
AU00571	145.40	148.40	3.0	46.52	13.22	8.52	3.39	2.38	0.13	13.53	2.70	0.42	0.22		8.38	99.41	45	210	75	235	45	130	2,p,px	2(k)yz	120	50	0.55	365	10	35	20	0.37	0.64	13	24	99
AU00572	178.90	182.00	3.1	47.85	13.73	9.54	4.25	2.46	0.30	9.78	2.38	0.37	0.23		7.78	99.47	45	180	65	150	65	190	2,p,px	2(k)yz	103	45	0.22	290	10	30	10	0.51	0.69	15	26	32
AU00573	191.10	194.20	3.1	51.03	15.85	8.65	5.03	5.36	0.78	7.33	2.78	0.42	0.16		6.58	99.73	50	210	55	105	65	185	2,a,a	2(k)yz	123	50	0.28	335	10	35	20	0.50	0.42	21	24	20
AU00574	233.80	236.90	3.1	51.08	9.63	8.68	5.58	2.20	0.74	11.81	2.19	0.35	0.30		11.18	99.52	40	170	30	140	50	125	2,a,a	2(k)yz	100	35	0.28	280	10	25	10	0.42	0.88	8	35	64
AU00575	276.60	279.50	2.9	52.23	10.17	7.20	5.39	1.09	1.78	8.60	2.40	0.38	0.25		11.89	99.38	45	190	30	85	45	200	2,a,a	2(k)yz	101	35	0.36	275	10	25	10	0.48	0.71	13	38	78
AU00576	282.60	285.80	3.0	50.85	6.50	9.73	5.33	0.16	1.90	5.99	0.16	<0.01	0.07		4.95	99.46	55	290	<5	85	<5	240	4,s,ss	4(s)ss	195	5	0.58	5	<5	5	10	0.16	0.15	45	58	105
AU00577	285.70	287.40	1.7	50.38	5.34	9.12	7.06	0.58	1.56	9.20	<0.01	0.03			2.28	99.52	50	260	55	35	<5	250	4,s,ss	4(.)ss	148	5	0.43	5	<5	<5	<10	0.15	0.18	42	18	17
AU00578	305.00	305.20	0.2	70.56	6.61	3.35	1.96	1.75	0.88	4.63	1.12	0.02			8.84	99.84	15	50	5	55	10	75	5,a,bx	2(k)?	111	20	0.81	150	5	15	10	0.50	0.51	5	36	31
AU00579	333.00	336.00	3.0	58.49	11.59	5.02	2.64	2.70	0.59	10.42	1.52	0.15			8.31	99.77	55	270	55	300	25	130	3,s,bx	2(k).	138	30	0.55	285	5	25	20	0.37	0.43	9	30	111
AU00580	335.20	338.30	3.1	60.20	11.68	7.78	1.13	3.79	1.36	10.34	2.46	0.07			7.41	99.58	100	430	<5	235	10	245	3,s,dR	4(k)yz	148	5	0.05	25	5	5	10	0.23	0.24	9	25	82
AU00581	340.50	343.50	3.0	46.13	11.80	8.78	4.26	2.04	1.21	11.44	2.82	0.45			9.47	99.38	55	230	15	170	50	160	2,a,s	2(k)yz	101	45	0.07	340	10	30	10	0.47	0.70	12	35	83
AU00582	353.70	356.80	3.1	45.63	11.84	7.39	4.96	3.21	0.77	11.83	2.76	0.46			11.29	99.43	55	230	35	225	55	180	2,a,a	2(k)yz	104	45	0.19	325	10	30	10	0.45	0.62	14	31	70
AU00583	364.90	367.90	3.1	48.65	10.49	7.95	6.37	2.77	1.95	7.18	2.39	0.06			9.07	99.47	140	610	15	180	15	375	4,a,c	4(k)yz	137	35	0.23	270	5	5	20	0.23	0.28	6	32	58
AU00584	377.40	380.10	2.7	48.66	12.05	7.52	6.21	3.03	0.80	11.02	2.07	0.19			7.76	99.63	40	150	85	210	30	130	2,a,a	2(k)>0	106	45	0.33	415	10	30	20	0.48	0.62	7	32	69
AU00585	388.20	389.30	1.1	80.33	4.08	1.53	0.12	1.23	0.48	3.26	0.12	<0.01			4.71	99.93	35	270	10	25	<5	220	4,a,c	4(.)ss	98	5	0.39	<5	<5	<5	10	0.09	0.17	45	25	14
AU00586	401.50	404.50	3.0	59.45	8.28	6.02	3.18	1.85	0.14	10.87	1.41	0.05			9.41	99.90	20	60	20	90	15	45	2,a,p	2k+?	103	25	1.05	195	5	5	10	0.41	0.73	5	30	49
AU00587	410.50	413.70	3.1	71.38	9.92	1.37	0.25	5.67	0.81	6.13	0.40	0.07			1.31	99.49	105	380	65	245	10	210	4,a,c	4(k)z	176	10	0.15	30	5	5	10	0.09	0.14	40	13	43
AU00588	425.90	428.90	3.0	86.74	10.29	2.64	0.91	5.49	1.56	8.14	0.58	0.09			0.90	99.48	85	360	5	145	30	435	4,a,q	2(k)z	134	15	0.04	60	5	5	10	0.21	0.26	33	29	42



FALCONBRIDGE LIMITED

Exploration Division — Timmins ONTARIO

FL / HBED / EAL JOINT VENTURE

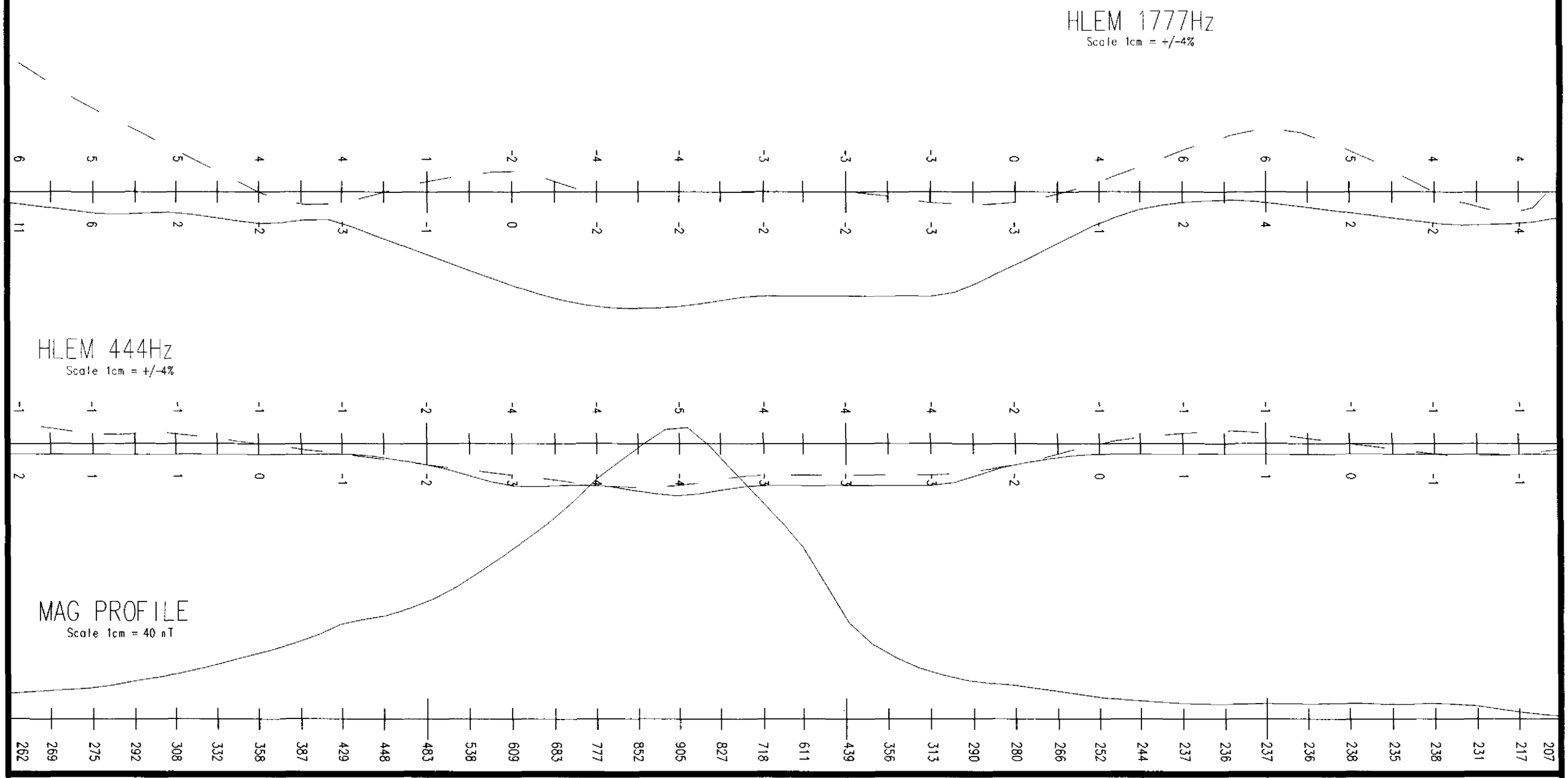
GRID JES12

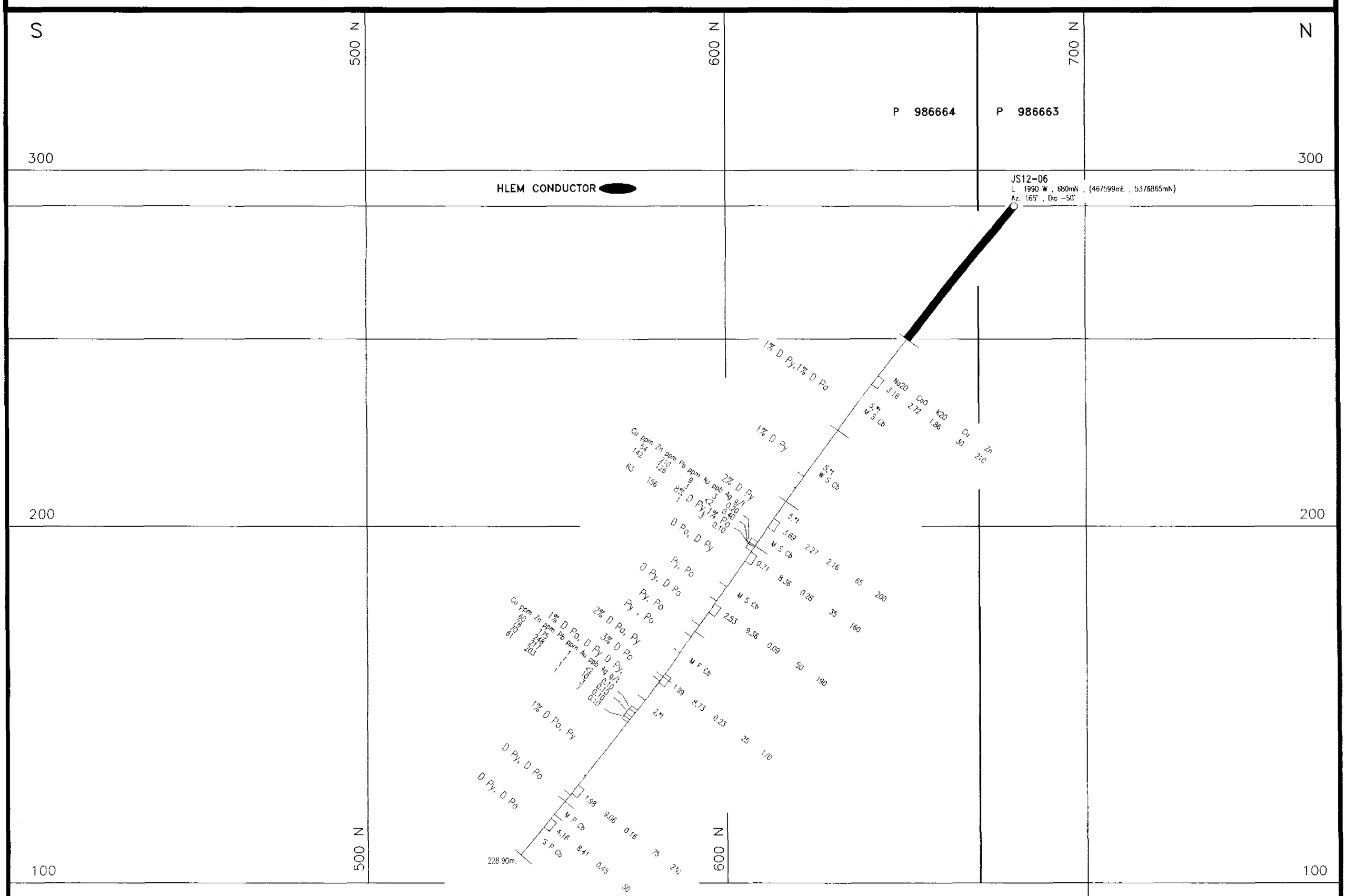
LOOKING Az 245° JESSOP Twp

DIAMOND DRILL SECTION L 900 W

DDH JES12-05

TRACED PROBES	DATE 18/06/98	NTS 42-A/11	PROJECT: 8036
DRAWN: d e l	DATE 18/06/98	MAP No:	FILE: 8036 B
SUPERVISED: J G Collins	DATE 08/06/98	SCALE 1:1 000 (metres) 0 10 20 30 40	
REVISED: J G Collins	DATE 10/06/98		





42A11SW2011 2.18859 JESSOP 240

KIDD/HBED/EAL JV ASSAY TABLE JS12-06

SAMPL. No	FROM (M)	TO (M)	lgt (M)	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Au ppb	Ag ppm	Est.Ni %	Est.Po %	Est.Py %	Est.Cp %	Est.Sp %	Est.Gn %	ROCK T
AU00667	118.30	119.70	1.4	54	210	9	52	3	0.2							
AU00668	119.70	120.10	0.4	142	126	3	38	<2	0.4							
AU00669	120.10	121.50	1.4	63	156	1	31	3	0.1							
AU00670	176.40	177.40	1.0	60	175	1	49	<2	0.1							
AU00671	177.40	178.90	1.5	76	248	1	79	10	0.1							
AU00672	178.90	179.80	0.9	170	217	1	61	3	0.1							
AU00673	179.80	180.80	1.0	61	203	1	53	7	0.1							

KIDD/HBED/EAL JV GEOCHEM TABLE JS12-06

SAMPL. No.	FROM (M)	TO (M)	lgt (M)	SiO2 %	AL2O3 %	CAO %	MGO %	NA2O %	K2O %	FE2O3 %	TiO2 %	P2O5 %	MNO %	CR2O3 %	LOI %	SUM %	Y PPM	ZR PPM	CU PPM	ZN PPM	NI PPM	CR PPM	FIELD NAME	CHEM ID	ALUM	CO PPM	S PPM	V PPM	BE PPM	SC PPM	NB PPM	MGO/I	CA/AL	NI/MGO	TSHTKW	ZN/NA2
AU00590	61.00	64.00	3.0	63.05	16.77	2.72	1.41	3.16	1.86	5.49	0.96	0.16	0.08		3.84	99.50	25	170	30	210	35	260		3.8(j)	217	20	0.81	120	5	10	10	0.38	0.16	25	36	66
AU00591	110.30	113.40	3.1	64.57	16.38	2.27	1.30	3.69	2.16	3.79	0.57	0.11	0.09		4.77	99.66	15	150	65	200	30	505		3.8j	202	15	0.65	75	5	10	<10	0.45	0.14	23	37	54
AU00592	121.70	124.70	3.0	46.57	11.07	8.36	3.95	0.71	0.28	15.94	2.72	0.43	0.26		9.26	99.55	45	220	35	160	35	150		2.7(h)	118	50	0.37	330	15	30	10	0.37	0.76	9	32	225
AU00593	139.30	142.30	3.0	48.66	12.90	9.36	5.05	2.53	0.09	13.13	2.58	0.42	0.25		6.50	99.47	50	210	50	190	50	185		2.7(h)	108	45	0.38	330	10	35	20	0.35	0.73	16	21	75
AU00594	163.70	166.70	3.0	46.01	10.63	8.73	3.33	1.99	0.23	20.43	2.54	0.44	0.25		4.89	99.47	45	210	25	170	15	120		2.7(h)	97	40	4.17	315	10	25	10	0.28	0.82	5	25	85
AU00595	203.30	206.30	3.0	49.98	13.41	9.06	4.30	1.98	0.16	13.92	2.85	0.47	0.25		3.29	99.67	50	230	75	230	55	310		2.7(h)	120	50	0.37	365	15	35	10	0.42	0.68	13	29	116
AU00596	215.50	218.60	3.1	54.26	14.07	8.41	4.02	4.16	0.45	8.97	2.41	0.39	0.18		2.36	99.68	50	190	50	180	65	550		2.7(h)	108	45	0.40	340	10	35	20	0.52	0.60	16	26	43

LEGEND

10	DIABASE	4	FELSIC VOLCANIC ROCKS
9	FELSIC INTRUSIVE ROCKS	3	INTERMEDIATE VOLCANIC ROCKS
8	INTERMEDIATE INTRUSIVE ROCKS	2	MAFIC VOLCANIC ROCKS
7	MAFIC INTRUSIVE ROCKS	1	ULTRAMAFIC VOLCANIC ROCKS
6	ULTRAMAFIC INTRUSIVE ROCKS		
5	SEDIMENTARY ROCKS		

FALCONBRIDGE LIMITED

Exploration Division Timmins ONTARIO

FL / HBED / EAL JOINT VENTURE

GRID JES23

LOOKING Az 255° JESSOP Twp.

DIAMOND DRILL SECTION L 1900 W

DDH JS12-06

TRACED: PRODES	DATE: 16/09/98	NTS: 42-A/11	PROJECT: 8036
DRAWN: d e l	DATE: 16/09/98	MAP No:	FILE: 8036 E
SUPERVISED: J G Collins	DATE: 27/07/98	SCALE 1:1 000 (metres) 0 10 20 30 40	
REVISED: J G Collins	DATE: 10/09/98		