

**Acme Analytical Laboratories Ltd.**852 E. Hastings St., Vancouver, B.C.  
V6A 1R6 Phone: 253-3158

SAMPLE: A No 179508

Date NOV 29 2002  
Location STAMP OCCURRENCE  
Drill Hole ON DAUNTLESS MOUNTAIN  
Footage FOR NICKEL RECOVERY  
Remarks FOUR DRUG GRAB  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other \_\_\_\_\_  
Rock Geochem  ICP **Acme Analytical Laboratories Ltd.**852 E. Hastings St., Vancouver, B.C.  
V6A 1R6 Phone: 253-3158

SAMPLE: A No 179507

Date NOV 27 2002  
Location MC AREA  
Drill Hole FROM AN OLD MINE  
Footage NOR 179158 ~150M  
Remarks 11/27  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other \_\_\_\_\_  
Rock Geochem  ICP **Acme Analytical Laboratories Ltd.**852 E. Hastings St., Vancouver, B.C.  
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SAMPLE: A No 179505

Date OCT 28 2002  
Location DAUNTLESS F. MOUNTAIN  
Drill Hole JANE SAUT AS 119192  
Footage FOR CUTTING  
Remarks \_\_\_\_\_  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other \_\_\_\_\_  
Rock Geochem  ICP **Acme Analytical Laboratories Ltd.**852 E. Hastings St., Vancouver, B.C.  
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SAMPLE: C No 119138

Date MARCH 12, 2002  
Location \_\_\_\_\_  
Drill Hole DAUNTLESS MOUNTAIN  
Footage JANE SAUT AS 119192  
Remarks \_\_\_\_\_  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other \_\_\_\_\_  
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SAMPLE: C No 119191

Date OCT 3 2002  
Location DAUNTLESS  
Drill Hole #1 CORE ADIT @ 40/45 50  
Footage 0.5m  
Remarks VARIABLES N.C.M.  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other NOR ST. 89-FR19  
Rock Geochem  ICP **Acme Analytical Laboratories Ltd.**852 E. Hastings St., Vancouver, B.C.  
V6A 1R6 Phone: 253-3158

SAMPLE: C No 119192

Date OCT 3 2002  
Location DAUNTLESS  
Drill Hole ADIT #2 ADIT  
Footage 0.5m  
Remarks COLLAR S. SIDE  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other \_\_\_\_\_  
Rock Geochem  ICP

006595

Dauntless MINFILE 092F068 Property - October 3 Sampling

Sample #	East UTM	North UTM	Elev.MSL	Type	Dimension	Orientation	Location	Description	Alteration	Mineralization
119191	366788	5452482	125	u/g vein grab	0.5m.	40/45SE	#1 Adit n.rib @89-FR19	Quartz-Chlorite-Sulph. Vein in basalt	Sil,FeOx,Chlor.,Malac	0.5%Cp,1%Mal,trace Py
119192	"	"	"	surf.vn.grab	0.5m.	40/50SE	#2 Adit portal south side	Sulphide-Chlorite-Quartz Vn in basalt	Silica,Chlorite,FeOx	25%Cp,10%Po,trace Bo.

PROPERTY FILE

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SAMPLE: **C** No 119113

Date NOV 19 2001  
Location MACKINSH  
DrillHole DAUNTLESS AMP SAMPLES  
Footage \_\_\_\_\_  
Remarks \_\_\_\_\_  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other \_\_\_\_\_  
Rock Geochem   ICP

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SAMPLE: **C** No 119114

Date NOV 19 2001  
Location DAUNTLESS VAN. SAMPLE  
DrillHole @ MACKINSH  
Footage \_\_\_\_\_  
Remarks \_\_\_\_\_  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other \_\_\_\_\_  
Rock Geochem   ICP

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SAMPLE: **C** No 119115

Date NOV 19 2001  
Location MACKINSH  
DrillHole Howe Zone  
Footage \_\_\_\_\_  
Remarks \_\_\_\_\_  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other \_\_\_\_\_  
Rock Geochem   ICP

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SAMPLE: **C** No 119116

Date NOV 19, 2001  
Location MACKINSH  
DrillHole DAUNTLESS VAN 10F2  
Footage \_\_\_\_\_  
Remarks \_\_\_\_\_  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other \_\_\_\_\_  
Rock Geochem   ICP

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SAMPLE: **C** No 119117

Date \_\_\_\_\_  
Location \_\_\_\_\_  
DrillHole DAUNTLESS VAN 10F2  
Footage \_\_\_\_\_  
Remarks \_\_\_\_\_  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other \_\_\_\_\_  
Rock Geochem   ICP

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SAMPLE: **C** No 119118

Date NOV 19 2001  
Location MACKINSH  
DrillHole DAUNTLESS VAN  
Footage \_\_\_\_\_  
Remarks \_\_\_\_\_  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other \_\_\_\_\_  
Rock Geochem   ICP

**Dauntless MINFILE 092F168 and Macktush MINFILE 092F012 Properties - November 19, 2001 Sampling**

Sample #	East UTM	North UTM	Elev.MSL	Type	Dimension	Orientation	Location	Description	Alteration	Mineralization
119113	Dump grab sample provided by Herb McMaster						Dauntless Dump	Sulphide-Quartz-Pyroxene Skarn/Vn?	FeOx,Chlorite,Jarosite	15%Cp, 10%Py
119114	Outcrop grab sample provided by Herb McMaster						Dauntless Vein	Sulphide-Quartz-Pyroxene Skarn/Vn?	Silica, Chlorite, FeOx	50%Cp, 10%Py
119115	"	"	"	"			Macktush Bowl Zone	Quartz-Sulphide Stockwork/Vein	Chlorite,FeOx,Marble	5%Cp, 2%Py, tr. Sph, NatCu
119116	"	"	"	"			Macktush David Vein	Quartz-Sulphide Ribbon Vein	FeOx,Chlor.,Fuchsite?	2%Cp, 1%Py, tr.Sph,Tet,Bo
119117	"	"	"	"			Macktush David Vein	Quartz-Sulphide Ribbon Vein	FeOx,Chlor.,Fuchsite?	2%Cp, 1%Py, tr.Sph,Tet,Bo
119118	"	"	"	"			Macktush Upper Fred	Quartz-Sulphide Vein	FeOx,Chlorite,Jarosite	2%Cp, 2%Py, tr.Sph,Tet,Bo

PROPERTY FILE

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132m

VEN ~ 90° 50°S (est)  
SAMPLE: E No 187511

366786  
5452432

Date

FEB 20 2000

Location

MACTUBA - DAUNESS

Drill Hole

#2 ADIT FLOOR

Footage

Remarks

VEN IN VICES FLOOR

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other

CUT TO #2 ADIT GUY

Rock Geochem

Oil in TRICK - SILICATE

ICP

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SAMPLE: E No 187503

Date

JAN 23, 2001

Location

DAUNESS STATION

Drill Hole

FOR HORN MORTON

Footage

Remarks

Cu Specimen SAMPLE

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other

Rock Geochem

ICP

Mctush Property Dauntless Prospect - Sampling Jan-Feb, 2001 - Analyses May 14, 2001

Sample #	East UTM	North UTM	Elev. MSL	Type	Dimension	Orientation	Location	Description	Alteration	Mineralization	Cu (ppm)	Zn (ppm)	Ag (ppb)	Ni (ppm)	Co (ppm)	Mn (ppm)	As (ppm)	Au (ppb)	Cd (ppm)	Sb (ppm)	Bi (ppm)	Hg (ppb)
187503				from Herb			Dauntless	banded po-cp-mt-qtz-chl	FeOx	25% Cp, 10% Po	>10%	987.4	>100g/t	1470.2	429.7	669	800.5	6447.7	13.68	45.56	25.69	2811
187511	366786	5452482	132	select grab	0.1m	-90/50S	#2 adit f.w.	chloritic, pyritic skarn? Vein	FeOx, MnOx	25% Py blebs	714.47	51.8	373	67.3	94.9	1278	122.4	17.8	0.06	0.29	0.38	431

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To B.C. Ministry of Energy & Mines

Acme file # A101294 Received: MAY 14 2001 \* 12 samples in this disk file.

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Pd	Pt	Sample	
SAMPLES	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppb	ppb	gm
E 187503	6.47	99999	50.32	987.4	99999	1470.2	429.7	669	17.5	800.5	< .1	6447.7	0.4	44	13.68	45.56	25.69	36	5.64	0.055	5.8	62.3	1.05	2.9	0.003	< 1	1.81	0.002	0.01	0.9	3.8	0.02	6.34	2811	30.5	4.57	5.8	< 10	< 2	15	
E 187511	0.73	714.47	3.51	51.8	373	67.3	94.9	1278	16.25	122.4	0.1	17.8	0.3	5	0.06	0.29	0.38	307	0.32	0.054	3.3	65.4	3.43	5.1	0.359	< 1	5.25	0.002	< .01	< .2	15.2	0.03	3.31	431	3.3	0.38	22.5	< 10	< 2	4	15
STANDARD DS3	9.41	125.65	37.44	156.2	279	37.2	12.7	813	3.12	29.5	6.7	23.3	4	28.1	5.5	5.19	5.53	76	0.53	0.093	17.8	181.3	0.6	148.8	0.089	2	1.73	0.027	0.16	3.7	2.6	0.98	0.02	240	1.3	1.1	6.1	< 10	< 2	15	

**Acme Analytical Laboratories Ltd.**

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SAMPLE: B **No 170530**Date June 13, 2000Location GRAB VORNDrill Hole 10' / cFootage 10' / cRemarks FRM A117

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other FRM A117Rock Geochem   ICP**Acme Analytical Laboratories Ltd.**

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SAMPLE: B **No 170531**Date June 13, 2000Location GRAB VORNDrill Hole 10' / cFootage 10' / cRemarks FRM A117

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other FRM A117Rock Geochem   ICP**Acme Analytical Laboratories Ltd.**

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SAMPLE: B **No 170532**Date July 14, 2000Location MACCUSH 400 FTDrill Hole MINERALIZED TUFF @ 20° 20'EFootage 5' / cRemarks SPY, Diver Op, Tetra?

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other SPY, Diver Op, Tetra?Rock Geochem   ICP**Acme Analytical Laboratories Ltd.**

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SAMPLE: B **No 170533**Date July 19, 2000Location MACCUSH 400Drill Hole 10' / cFootage 10' / cRemarks SPY, Diver Op, Tetra?

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other SPY, Diver Op, Tetra?Rock Geochem   ICP**Acme Analytical Laboratories Ltd.**

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SAMPLE: B **No 170534**Date July 19, 2000Location MACCUSH GRAB FROMDrill Hole 400' MINERALIZED TUFF @ 20° 20'EFootage 10' / cRemarks SPY, Diver Op, Tetra?

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other SPY, Diver Op, Tetra?Rock Geochem   ICP**Acme Analytical Laboratories Ltd.**

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SAMPLE: B **No 170535**Date July 19, 2000Location CORRAL HORN STAMP W ROAD CUTDrill Hole MINERALIZED TUFF @ 20° 20'EFootage 10' / cRemarks SPY, Diver Op, Tetra?

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other SPY, Diver Op, Tetra?Rock Geochem   ICP



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107n

SAMPLE: B No 170536

0366087 N

5449199 W

Date June 1, 2000Location CANAL MAIN PORPHYRYDrill Hole MINN IN 2000Footage 5% Calcite? Min by WQPPRemarks + Mang. oxide, Mn

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other PLANT GROWRock Geochem   ICP**Acme Analytical Laboratories Ltd.**

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515nd

SAMPLE: B No 170537

0363788 N

5445961 W

Date June 14, 2000Location MICROM QTL STOCKWORK AN ZONEDrill Hole QTL STOCKWORK W/ PLANTFootage @ 100° 90° VULCANIC CRUST. BTL MINRemarks PLANT from ~ 1.5 m ZONE

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other 1% Py, Cp, Calcite?Rock Geochem   ICP**Acme Analytical Laboratories Ltd.**

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700 n

SAMPLE: B No 170538

0363546 N

5445310 W

Date JULY 14 2000Location MICROMDrill Hole Footage Porphyry Zone at 800mRemarks (KSP) 5% Cp. Dist. Zone @ 80/90°

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other Rock Geochem   ICP

Mactush Property Visit- Jacques Houle, Herb McMaster, Sy Tresierra, (T. Schroeter July 13 only) - July 13-14, 2000 visit Selected Geochemistry - August 3, 2000

Sample #	East UTM	North UTM	Elev.MSL	Type	Dimension	Orientation	Location	Description	Alteration	Mineralization	Purposes for analyses	Mo (ppm)	Cu (ppm)	Ag (ppb)	Co (ppm)	Au (ppb)	Hg (ppb)
170530	364734	5443524	560	select O/C grab	~10 cm	magnetic	Fred Vein	QV in Diorite	Sil, Carb, FeOx	bleb1% Cp, tr. Bo, Sph	not analyzed due to pending financing						
170531	364613	5443303	757	sel. muckpile grab	n/a	n/a	Fred Vein	QV in Diorite	Sil, Carb, FeOx	bleb1% Sph, tr. Cp, Gal	not analyzed due to pending financing						
170532	360457	5450089	210	select O/C grab	unknown	20/20E	400 Pit	Min'l'z'd Tuff	Sil, Epid, FeOx	fg, diss. 4% Py, Cp, Tet?	porphyry metal and alteration signature	1.71	57.05	219	10.8	4.8	87
170533	360624	5447266	220	select O/C grab	unknown	unknown	400 Area	Min. QFP dike	Sil, FeOx	fg, diss. 5% Py, Cp, Tet	porphyry metal and alteration signature	3.59	13.93	84	11.1	3.4	66
170534	360686	5447180	590	sel. muckpile grab	n/a	n/a	400 Area	Sil., Py Volc?	Silica, QV's	8% Py, tr. Cp, Bo, Tet	porphyry metal and alteration signature	1.28	77.36	214	29.5	9.6	230
170535	365139	5450939	188	select O/C grab	~20 cm	170/65E	Canal Main	QV in Diorite	FeOx, Malach.	10% Py, 5% Cp, tr. Bo, Te	porphyry metal and alteration signature	13.61	4.70%	16.2g/t	32.3	179	985
170536	366087	5449199	107	select O/C grab	unknown	unknown	Canal Main	QFP?Skam?	Garn, Epid, FeO	1% Tet, Moly in Garn's	skam or porphyry metal/alteration signature	0.73	236.25	298	106.8	7.6	29
170537	363788	5445961	515	select O/C grab	1.5 m	100/90	QtzStckwk	QCVs in Diorite	Chlorite	bleb1% Cp, Bo, Tet	porphyry metal and alteration signature	3.87	690.4	10.9g/t	10.7	1.59g/t	145
170538	363546	5445310	700	select O/C grab	unknown	80/90	Porph.Zone	Qtz Porphyry	Biot., Mal., FeOx	0.5% Cp	porphyry metal and alteration signature	0.42	0.20%	311	7	4.1	51

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 To: B.C. Ministry of Energy & Mines

Acme file # A9002501 Page 1 Received JUL 21 2000 \* 10 samples in this disk file

ELEMENT No	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Y	S	Hg	Se	Te	Ga	Re
SAMPLES ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	%	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb
B 170532	1.71	57.05	11.75	30.5	219	3	10.8	173	2.93	3.4	0.3	4.8	1.4	4.4	0.48	0.48	0.1	57	0.28	0.047	11.6	8.8	1	37.7	0.058	3	0.95	0.029	0.1	2.3	3.8	0.03	1.87	87	1.8	0.18	3.4 < 1
B 170533	3.59	13.93	4.36	21.9	84	6.2	11.1	122	3.11	1.7	0.2	3.4	1.8	60.5	0.43	0.12	0.51	79	0.78	0.049	2.5	13.9	1.37	106.7	0.05	1	2.42	0.13	0.03	0.8	4.7	0.02	1.66	65	1.4	0.23	6.1
B 170534	1.28	77.36	9.13	34.6	214	13.2	25.5	430	5.88	6.1	0.1	9.6	0.4	51.9	0.25	0.84	0.07	205	3.34	0.06	5.4	140.4	2.83	13.4	0.181	3	1.89	0.031	0.02	1.1	16.9	0.04	4.63	230	3.3	0.07	10.2
B 170535	13.61	47012.9	16.91	64.2	16227	58.1	32.3	143	10.62	55.2 < 1		179	0.1	1.1	1.41	3.83	0.38	26	0.05	0.029	1.8	22.9	0.5	27.8 < 0.01	< 1		0.89	0.003	0.1	1	1.3	0.05	9.58	965	5.7	2.5	2.7 < 1
B 170536	0.73	236.25	25.49	70.1	298	4.8	106.8	150	3.77	2.1	0.2	7.6	2.1	22.3	0.38	0.39	0.2	38	0.66	0.042	5.9	11.7	0.51	202	0.072 < 1		1.27	0.073	0.07	2.9	2.9	0.08	2.08	29	1	0.28	5.4
B 170537	3.87	696.4	13.73	50.1	10922	6.1	10.7	611	2.16	8.7	0.1	1588.9	0.5	14	0.23	0.45	0.85	28	8.2	0.02	5.9	15.2	0.6	14.1 < 0.01		2	0.9	0.002	0.08	0.5	1.8	0.02	0.84	145	1.3	5.37	2.5
B 170538	0.42	2039.66	6.64	48.6	311	3.2	7	492	1.99	2.6	0.6	4.1	4.7	8.3	0.12	0.6	0.08	21	0.94	0.03	16.5	12.3	0.67	80.5 < 0.01		2	1.04	0.018	0.11	2.8	2.6	0.02	0.12	51	1	0.02	2.9
RE B 1705	0.4	1970.77	6.38	47.9	292	3.2	6.6	488	1.94	9.6	0.5	4.4	4.6	7.9	0.11	0.59	0.07	21	0.92	0.029	18.1	12	0.67	80.5 < 0.01		1	1.01	0.018	0.11	2.7	2.5	0.02	0.12	50	0.9	0.04	2.9 < 1
STANDAR	13.85	127.46	32.16	158.8	271	36.4	11.3	833	3.07	59.8	18.7	221.4	3.4	26.6	10.27	10.08	10.69	73	0.53	0.089	14.8	160.4	0.6	152.2	0.087	1	1.65	0.028	0.15	8.1	2.8	1.84	0.01	222	2.4	1.8	5.7 < 1

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To B.C. Ministry of Energy &amp; Mines

Acme file # A3002501 Page 1 Received: JUL 21 2000 \* 10 samples in this disk file.

ELEMENT	Mo	Cu	Pb	Zn	Aq	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Re
SAMPLES	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppb	
B 170532	1.71	57.05	11.75	30.5	219	3	10.8	173	2.93	3.4	0.3	4.8	1.4	4.4	0.48	0.48	0.1	57	0.28	0.047	11.6	8.8	1	37.7	0.058	3	0.95	0.029	0.1	2.3	3.8	0.03	1.87	87	1.8	0.18	3.4	< 1
B 170533	3.59	13.93	4.36	21.9	84	6.2	11.1	122	3.11	1.7	0.2	3.4	1.8	60.5	0.43	0.12	0.51	79	0.78	0.049	2.5	13.9	1.37	106.7	0.05	1	2.42	0.13	0.03	0.8	4.7	0.02	1.66	65	1.4	0.23	6.1	4
B 170534	1.28	77.36	9.13	34.6	214	73.2	29.5	430	5.88	6.1	0.1	9.6	0.4	51.9	0.25	0.84	0.07	205	3.34	0.06	5.4	140.4	2.83	13.4	0.181	3	1.89	0.031	0.02	1.1	16.9	0.04	4.03	230	3.3	0.07	10.2	18
B 170535	13.61	47012.85	16.91	64.2	16227	58.1	32.3	143	10.62	55.2	< 1	179	0.1	1.1	1.41	3.83	0.38	26	0.05	0.029	1.8	22.9	0.5	27.8	< 0.001	< 1	0.89	0.003	0.1	1	1.3	0.05	9.58	985	5.7	2.5	2.7	< 1
B 170536	0.73	236.25	25.49	70.1	298	4.8	106.8	150	3.77	2.1	0.2	7.6	2.1	22.3	0.38	0.39	0.2	38	0.66	0.042	5.9	11.7	0.51	20.2	0.072	< 1	1.27	0.073	0.07	2.9	2.9	0.08	2.08	29	1	0.28	5.4	2
B 170537	3.87	690.4	13.73	50.1	10922	6.1	10.7	611	2.16	8.7	0.1	1588.9	0.5	14	0.23	0.45	0.85	28	6.2	0.02	5.9	15.2	0.6	14.1	< 0.001	2	0.9	0.002	0.08	0.5	1.8	0.02	0.84	145	1.3	5.37	2.5	2
B 170538	0.42	2039.66	6.64	48.6	311	3.2	7	492	1.99	2.6	0.6	4.1	4.7	8.3	0.12	0.6	0.08	21	0.94	0.03	16.5	12.3	0.67	80.5	< 0.001	2	1.04	0.018	0.11	2.8	2.6	0.02	0.12	51	1	0.02	2.9	4
RE B 1705	0.4	1970.77	6.38	47.9	292	3.2	6.6	488	1.94	9.6	0.5	4.4	4.6	7.9	0.11	0.59	0.07	21	0.92	0.029	16.1	12	0.67	80.5	< 0.001	1	1.01	0.018	0.11	2.7	2.5	0.02	0.12	50	0.9	0.04	2.9	< 1
STANDAR	13.85	127.46	32.16	158.8	271	36.4	11.3	833	3.07	59.8	18.7	221.4	3.4	26.6	10.27	10.08	10.69	73	0.53	0.089	14.8	160.4	0.6	152.2	0.087	1	1.65	0.028	0.15	8.1	2.8	1.84	0.01	222	2.4	1.8	5.7	< 1

## Mactush Property Visit- Jacques Houle, Herb McMaster, Sy Tresierra, (T. Schroeter July 13 only) - July 13-14, 2000 visit

Sample #	North UTM	West UTM	Elev.MSL	Type	Dimension	Orientation	Location	Description	Alteration	Mineralization	Purposes for analyses
170530	364734	5443524	560	select O/C grab	~10 cm	magnetic	Fred Vein	QV in Diorite	Sil, Carb, FeOx	bleb1%Cp, tr.Bo, Sph	not analyzed due to pending financing
170531	364613	5443303	757	sel. muckpile grab	n/a	n/a	Fred Vein	QV in Diorite	Sil, Carb, FeOx	bleb1%Sph, tr.Cp, Gal	not analyzed due to pending financing
170532	360457	5450089	210	select O/C grab	unknown	20/20E	400 Pit	Min'l'z'd Tuff	Sil, Epid, FeOx	fg. diss. 4%Py, Cp, Tet?	porphyry metal and alteration signature
170533	360624	5447266	220	select O/C grab	unknown	unknown	400 Area	Min. QFP dike	Sil, FeOx	fg. diss. 5%Py, Cp, Tet	porphyry metal and alteration signature
170534	360686	5447180	590	sel. muckpile grab	n/a	n/a	400 Area	Sil., Py Volc?	Silica, QV's	8%Py, tr.Cp, Bo, Tet	porphyry metal and alteration signature
170535	365139	5450939	188	select O/C grab	~20 cm	170/65E	Canal Main	QV in Diorite	FeOx, Malach.	10%Py, 5%Cp, trBo, Tet	porphyry metal and alteration signature
170536	366087	5449199	107	select O/C grab	unknown	unknown	Canal Main	QFP?Skarn?	Garn, Epid, FeO	1%Tet, Moly in Garn's	skarn or porphyry metal/alteration signature
170537	363788	5445961	515	select O/C grab	1.5 m	100/90	QtzStckwk	QCVs in Diorite	Chlorite	bleb1%Cp, Bo, Tet	porphyry metal and alteration signature
170538	363546	5445310	700	select O/C grab	unknown	80/90	Porph.Zone	Qtz Porphyry	Biot., Mal., FeOx	0.5%Cp	porphyry metal and alteration signature

**Acme Analytical Laboratories Ltd.**

852 E. Hastings St., Vancouver, B.C.

V6A 1R6 Phone: 253-3158

SAMPLE: **C** No 119127 *From  
WORK  
MCKINSON*

Date JAN 15 2002

Location MACKINSON

Drill Hole MOLY ZONE

Footage Brown from van on

Remarks MAIN LINE ABOVE CANAL

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other \_\_\_\_\_

Rock Geochem

ICP

**Acme Analytical Laboratories Ltd.**

852 E. Hastings St., Vancouver, B.C.

V6A 1R6 Phone: 253-3158

SAMPLE: **C** No 119128 *From  
WORK  
MCKINSON*

Date JAN 15 2002

Location MACKINSON - SKY COUNTS

Drill Hole PRIVATE ZONE PIT

Footage ALONG MAIN LINE

Remarks \_\_\_\_\_

Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As

Other \_\_\_\_\_

Rock Geochem

ICP

**Macktush MINFILE 092F012 Property - January 15, 2002 - Samples provided by Herb McMaster**

Sample #	East UTM	North UTM	Elev.MSL	Type	Dimension	Orientation	Location	Description	Alteration	Mineralization
119127	Outcrop grab sample from Pyrite Zone Pit along Main Line Road						Sky Claims	Quartz-Calcite-Sulphide Stockwork	FeOx, Red Calcite	15%Py,5%Cp,3%Bo,2%Sph
119128	Outcrop grab sample from Moly Zone below Fred Vein on Main Line Road						Copper Claims	Quartz-Calcite-Molybdenite Vein	Calcite, FeOx	2%Molybdenite, tr.Cp,Bo

PROPERTY FILE

Acme Analytical Laboratories Ltd. 626m  
852 E. Hastings St., Vancouver, B.C.  
V6A 1R6 Phone: 253-3158 0357808E  
5440376N

SAMPLE: C No 119158  
Date July 30, 2002 W. OF SKY CRIMS  
Location MC Roto OUTCROP  
Drill Hole CALCITE - CHALO - BOA VITE  
Footage VAN IN SHIM N KAMMIB W  
Remarks @ 20° 45° W 2m THICK  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other TN ~ 5m THICK ZONE  
Rock Geochem  ICP

Acme Analytical Laboratories Ltd. 702m  
852 E. Hastings St., Vancouver, B.C.  
V6A 1R6 Phone: 253-3158 0360236E  
5445830N

SAMPLE: C No 119159  
Date July 30, 2002 S.W. OF REX MINFIELD  
Location PYRITE PORPHYRY ROADM/C  
Drill Hole QZ - SMOCK - ALUMIN - PYR  
Footage +/- COP +/- BO LENSE 0.5m  
Remarks THICK @ 130° 60° S.  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Rock Geochem  ICP

Acme Analytical Laboratories Ltd. 676m  
852 E. Hastings St., Vancouver, B.C.  
V6A 1R6 Phone: 253-3158 0360768E  
5445671W

SAMPLE: C No 119160  
Date July 30, 2002 ~ 1/2 km NE OF #59  
Location PYRITE PORPHYRY ROADM/C  
Drill Hole MULTIPLE PYRITE - QUARTZ ROAD  
Footage @ 50°, 60° NW ~ 0.25m THICK  
Remarks  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other  
Rock Geochem  ICP

Acme Analytical Laboratories Ltd. 678m  
852 E. Hastings St., Vancouver, B.C.  
V6A 1R6 Phone: 253-3158 0361724E  
5445458W

SAMPLE: C No 119161  
Date July 30, 2002 E. OF #60  
Location PYRITE PORPHYRY ROADM/C  
Drill Hole SULPHIDE PORPHYRY ZONE?  
Footage IN VOLCANIC S.M. @ 40, 45m  
Remarks  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other  
Rock Geochem  ICP

Acme Analytical Laboratories Ltd. 791m  
852 E. Hastings St., Vancouver, B.C.  
V6A 1R6 Phone: 253-3158 0361721E  
5444236

SAMPLE: C No 119162  
Date July 30, 2002 S. OF #61  
Location PYRITE PORPHYRY ZONE  
Drill Hole FINE 750 DFE @ 80°, 75° N  
Footage 1.5m THICK PYRITE  
Remarks SILICIFICATION ZONE @ 175°, 30° E  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other IN VEIN  
Rock Geochem  ICP

Acme Analytical Laboratories Ltd. 807m  
852 E. Hastings St., Vancouver, B.C.  
V6A 1R6 Phone: 253-3158 0363714E  
5444166N

SAMPLE: C No 119163  
Date July 30, 2002  
Location BOUND ZONE ROAD CUT (NEW!)  
Drill Hole QZ - COP +/- VAN @ 55°, 90° IN  
Footage KACHUBON IN N. S. OF GRANODIORITE  
Remarks  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other  
Rock Geochem  ICP

Acme Analytical Laboratories Ltd. 813m  
852 E. Hastings St., Vancouver, B.C.  
V6A 1R6 Phone: 253-3158 0363746E  
5444018W

SAMPLE: C No 119164  
Date July 30, 2002 S. OF #63  
Location BOUND ZONE ROAD CUT (NEW)  
Drill Hole 0.5m MT - S. OF VAN  
Footage @ 0°, 55° W. IN  
Remarks KACHUBON 10m N.  
Assay For: Cu, Pb, Zn, Ag, Au, Ni, Mo, W, As  
Other CONTACT  
Rock Geochem  ICP



**Macktush/MC/Rex MINFILES 092F012,103,-221 Property - July 30, 2002 Sampling**

Sample #	East UTM	North UTM	Elev.MSL	Type	Dimension	Orientation	Location	Description	Alteration	Mineralization	
119158	357808	5450376	626	roadcut grab	2m.Vn in 5m	20/45W	MC -W.of Sky Claims	Calcite-Chalco.-Born. vn in shr basalt	FeOx, Chlorite	75%Chalco.,2%Born.	✓
119159	360236	5445630	702	roadcut grab	0.5m.	130/60S	Rex - Pyrite Porphyry	Qtz-Clay-Py-Cp-Bo lense in g-diorite	FeOx,Calcite,Qtz,Clay	2%Py.;traceCp.,Bo.,MoS2.?	✓
119160	360768	5445671	676	roadcut grab	0.25m.	50/60NW	Rex - Pyrite Porphyry	Pyrite-Quartz vein in granodiorite	FeOx,Quartz	10%Py.;1%MoS2.?.tr.Cp.,Bo.	✓
119161	361724	5445458	678	roadcut grab	0.5m.	40/45NW	Rex - Pyrite Porphyry	Sulphide Replacement Zone in basalt	FeOx,Sericite,Quartz	20%Py.;1%MoS2?.tr.Cp.	✓
119162	361727	5444236	791	roadcut grab	1.5m.	80/75N	Rex - Pyrite Porphyry	Silicified Pyrite Zone in basalt	FeOx,Quartz,Sericite	50%Py;tr.MoS2,Cp.,Bo.	✓
119163	363714	5444166	804	roadcut grab	0.1m.	55/90	Bowl - near Macktush	Qtz-Chalco-Py. breccia vein in basalt	FeOx,Calcite,Malach.	1% Chalco.; trace Pyrite	✓
119164	363746	5444018	813	roadcut grab	0.5m.	0/55W	Bowl - near Macktush	Magnetite-Sulphide vein in g-diorite	FeOx,Quartz	75%Magnet;5%Py;tr.Cp,Sph.	✓

PROPERTY FILE

**Macktush/MC/Rex MINFILEs 092F012,103,-221 Property - July 30, 2002 Sampling**

Sample #	East UTM	North UTM	Elev.MSL	Type	Dimension	Orientation	Location	Description	Alteration
119158	357808	5450376	626	roadcut grab	2m.Vn in 5m	20/45W	MC -W.of Sky Claims	Calcite-Chalco.-Born. vn in shr basalt	FeOx, Chlorite
119159	360236	5445630	702	roadcut grab	0.5m.	130/60S	Rex - Pyrite Porphyry	Qtz-Clay-Py-Cp-Bo lense in g-diorite	FeOx, Calcite, Qtz, Clay
119160	360768	5445671	676	roadcut grab	0.25m.	50/60NW	Rex - Pyrite Porphyry	Pyrite-Quartz vein in granodiorite	FeOx, Quartz
119161	361724	5445458	678	roadcut grab	0.5m.	40/45NW	Rex - Pyrite Porphyry	Sulphide Replacement Zone in basalt	FeOx, Sericite, Quartz
119162	361727	5444236	791	roadcut grab	1.5m.	80/75N	Rex - Pyrite Porphyry	Silicified Pyrite Zone in basalt	FeOx, Quartz, Sericite
119163	363714	5444166	804	roadcut grab	0.1m.	55/90	Bowl - near Macktush	Qtz-Chalco-Py. breccia vein in basalt	FeOx, Calcite, Malach.
119164	363746	5444018	813	roadcut grab	0.5m.	0/55W	Bowl - near Macktush	Magnetite-Sulphide vein in g-diorite	FeOx, Quartz

**Selected Geochemical Analyses**

<b>Mineralization</b>	<b>Mo (ppm)</b>	<b>Cu (ppm)</b>	<b>Zn (ppm)</b>	<b>Ag (ppm)</b>	<b>Ni (ppm)</b>	<b>Co (ppm)</b>	<b>As (ppm)</b>	<b>Au (ppb)</b>	<b>Cr (ppm)</b>	<b>Ti (%)</b>	<b>Hg (ppm)</b>
75%Chalco.,2%Born.	31.7	>10%	2534	255.6	455.8	926	3758	6824.9	27.1	5.372	4.13
2%Py.;traceCp.,Bo.,MoS2.?	not analyzed										
10%Py.;1%MoS2.?.tr.Cp.,Bo	4	279.5	106	0.3	96	47	4.6	9.1	226.6	0.194	0.03
20%Py.;1%MoS2?.tr.Cp.	3.4	104.5	58	0.7	94	147.1	34.2	13.5	109.5	0.023	0.08
50%Py;tr.MoS2,Cp.,Bo.	not analyzed										
1% Chalco.; trace Pyrite	8.1	11905.6	169	6.1	6.6	10.4	7.4	10.6	13.1	0.013	0.2
75%Magnet;5%Py;tr.Cp,Sph.	1.4	94.7	54	0.1	12.5	23.5	2.7	1.2	49.6	0.095	0.02

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT

To B.C. Ministry of Energy & Mines

Acme file # A203196 Received: AUG 21 2002 \* 13 samples in this disk file.

Analysis: GROUP 1DA - 10.0 GM

PT\*\* & PD\*\* GROUP 3B BY FIRE ASSAY & ANALYSIS BY ICP-ES. (30 gm)

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
SI	0.3	1	4.3	1	0.1	0.1	0.1	4	0.03	3.2	<.1	0.7	<.1	3	<.1	1.2	0.1	2
119158	31.7	99999	34.9	2534	255.6	455.8	926	158	27.9	3758	<.1	6824.9	<.1	1	70.5	26.8	51.3	30
119160	4	279.5	3.3	106	0.3	96	47	1265	10.68	4.6	0.1	9.1	0.2	6	<.1	0.2	2.8	186
119161	3.4	104.5	8.3	58	0.7	94	147.1	394	18.15	34.2	<.1	13.5	<.1	3	<.1	0.2	1.2	117
119163	8.1	11905.6	5.3	169	6.1	6.6	10.4	467	3.54	7.4	0.1	10.6	0.9	4	2.6	0.7	0.4	19
119164	1.4	94.7	1.4	54	0.1	12.5	23.5	978	17.96	2.7	0.1	1.2	<.1	11	<.1	0.3	0.1	78
DS3/FA-10R	9.5	131.7	35.4	159	0.3	36.4	12	752	3.33	35.6	7.1	19	4	28	5.6	5.2	5.4	75

Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Pt**	Pd**
%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppb
0.18	< .001	< 1	2.3	< .01	4	< .001	< 1	0.01	0.719	0.01	0.5	< .01	0.2	< .1	< .05	< 1	0	0
0.09	0.022	< 1	27.1	0.66	1	5.372	< 1	1.7	< .001	< .01	1.4	4.13	4.1	0.2	14.85	4	0	0
0.15	0.038	2	226.6	4.4	24	0.194	< 1	4.01	0.011	0.1	0.4	0.03	21	< .1	6.44	9	0	0
0.08	0.029	1	109.5	2.23	12	0.023	< 1	2.23	0.003	0.08	1.5	0.08	8.7	< .1	20.25	6	0	0
0.36	0.069	8	13.1	0.55	13	0.013	< 1	0.92	0.009	0.11	4.6	0.2	2.7	< .1	1.43	3	0	0
1.36	0.016	2	49.6	0.52	30	0.095	< 1	1.45	0.12	0.12	0.6	0.02	4.8	< .1	0.08	11	0	0
0.53	0.09	19	173.7	0.57	139	0.087	2	1.67	0.029	0.14	3.8	0.23	3.9	1.1	< .05	6	480	482

From ACME ANALYTICAL LABORATORIES LTD, 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT

To B.C. Ministry of Energy & Mines

Acme file # A203196 Received: AUG 21 2002 \* 13 samples in this disk file.

Analysis: GROUP 1 DA - 10.0 GM

PT\*\* & PD\*\* GROUP 10 BY FIRE ASSAY & ANALYSIS BY ICP-ES (30 gm)

ELEMENT	Mo	Ca	Pb	Zn	As	Ni	Cu	Mn	Fe	Ar	U	Au	Th	Sr	Cd	Sb	Bi	V	Co	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Hg	Se	Tl	S	Ga	Pt**	Pd**
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppb	ppb	
SI	0.3	1	4.3	1	0.1	0.1	0.1	4	0.03	3.2	< 1	0.7	< 1	3	< 1	1.2	0.1	2	0.18	< 0.01	< 1	2.3	< 0.01	4	< 0.01	< 1	0.01	0.719	0.01	0.5	< 0.01	0.2	< 1	< 0.05	< 1	0	0
119158	31.7	99999	34.9	2534	255.6	455.8	926	158	27.9	3758	< 1	6824.9	< 1	1	70.5	26.8	51.3	30	0.09	0.022	< 1	27.1	0.66	1	5.372	< 1	1.7	< 0.001	< 0.01	1.4	4.13	4.1	0.2	14.85	4	0	0
119160	4	279.5	3.1	106	0.3	96	47	1265	10.68	4.6	0.1	9.1	0.2	6	< 1	0.2	2.8	186	0.15	0.038	2	226.6	4.4	24	0.194	< 1	4.01	0.011	0.1	0.4	0.03	21	< 1	0.44	9	0	0
119161	3.4	104.5	8.3	58	0.7	94	147.1	394	18.15	34.2	< 1	12.5	< 1	3	< 1	0.2	1.2	117	0.08	0.029	1	169.5	2.23	12	0.023	< 1	2.23	0.003	0.08	1.5	0.08	8.7	< 1	20.25	6	0	0
119163	8.1	31905.6	5.3	169	6.1	6.6	19.4	467	3.54	7.4	0.1	10.6	0.9	4	2.6	0.7	0.4	19	0.36	0.069	8	13.1	0.55	13	0.013	< 1	0.92	0.009	0.11	4.6	0.2	2.7	< 1	1.43	3	0	0
119164	1.4	94.7	1.4	54	0.1	12.5	23.5	978	17.96	2.7	0.1	1.2	< 1	11	< 1	0.3	0.1	78	1.36	0.016	2	49.6	0.52	30	0.095	< 1	1.45	0.12	0.12	0.6	0.02	4.8	< 1	0.08	11	0	0
SSA-FA-10R	9.5	131.7	35.4	159	0.3	36.4	12	752	3.33	35.6	7.1	19	4	28	5.6	5.2	5.4	75	0.53	0.09	19	173.7	0.57	139	0.087	2	1.67	0.029	0.14	3.8	0.23	3.9	1.1	< 0.05	6	486	482