

COMINCO LTD.

EXPLORATION
NTS 105 G/1 & 8

WESTERN DISTRICT

1997 ASSESSMENT REPORT

EXPO/XPO/POP/FLY
(INCLUDING AREAS OF BASE, BALL, BAT, HOME & RUN BLOCKS)
PROPERTIES

GEOLOGIC MAPPING, PROSPECTING,
DIAMOND DRILLING,
AND GEOCHEMICAL SAMPLING,

WATSON LAKE M.D., YUKON

PELLY MOUNTAINS AREA

WORK PERIOD

July 18-27, August 3,4,7,8 & 11, 1997



LATITUDE: 61°15'

LONGITUDE: 130°05'

DECEMBER, 1997

VICTORIA L. BANNISTER

093816

This report has been examined by
the Geological Examination Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 35,140.34.

M. B. B.
for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

TABLE OF CONTENTS

	PAGE
1.0 SUMMARY	1
2.0 LOCATION AND ACCESS	1
3.0 PROPERTY AND OWNERSHIP	1
4.0 PREVIOUS WORK	2
5.0 REGIONAL GEOLOGY	3
6.0 1997 FIELD WORK	4
6.1 GEOLOGY AND PROSPECTING	4
6.2 GEOCHEMISTRY	4
6.3 DIAMOND DRILLING	4
7.0 EXPO & XPO PROPERTIES	5
7.1 GEOLOGY AND PROSPECTING	5
7.2 GEOCHEMISTRY	6
7.3 DIAMOND DRILLING	6
8.0 FLY & POP PROPERTIES	6
8.1 GEOLOGY AND PROSPECTING	6
8.2 GEOCHEMISTRY	7
9.0 CONCLUSIONS AND RECOMMENDATIONS	7
10.0 REFERENCES	9

APPENDICES

APPENDIX I STATEMENT OF EXPENDITURES	10
APPENDIX II STATEMENT OF QUALIFICATIONS	12
APPENDIX III 1997 GEOCHEMISTRY DATA	13
APPENDIX IV DIAMOND DRILL LOG	28

ATTACHMENTS

FIGURE 1	LOCATION MAP
FIGURE 2	CLAIM MAP (1:50,000)
FIGURE 3	GEOLOGY MAP (1:25,000)
FIGURE 4a	GEOCHEMICAL SAMPLE & DRILL HOLE LOCATIONS (1:25,000)
FIGURE 4b	GEOCHEMICAL SAMPLE & DRILL HOLE LOCATIONS (1:25,000)
FIGURE 5a	DRILL SECTION EX97-3 (1:750)
FIGURE 5b	DRILL SECTION EX97-4 (1:750)

1.0 SUMMARY

The EXPO/XPO/POP/FLY properties are located 35 kms southeast of Cominco Ltd.'s ABM VHMS Deposit and 25 kms south of Westmin/Atna's Wolverine VHMS Deposit. This area was staked in 1994 as several smaller properties (POP, BASE, HOME, RUN, BALL, FLY, and BAT) and then amalgamated into a contiguous block referred to as the EXPO property (MacRobbie, 1994). In 1996, further staking extended the EXPO property northward over the Mony West area and southward over the Pop South area. The XPO block was also staked in 1996 to the west of the southwest corner of the EXPO block to encompass an area where small sulphide rich boulders were found.

The rocks underlying this part of the southeastern Yukon have been assigned to two terranes: the Yukon Tanana Terrane (YTT) and the Slide Mountain Terrane (SMT). The YTT is primarily a layered sequence of metamorphosed rocks forming three primary units. A "lower unit" of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "middle unit" composed of carbonaceous phyllite and schist with interbanded mafic, and locally significant, felsic metavolcanics, and an "upper unit" of Pennsylvanian marble and quartzite are identified within the YTT. The felsic metavolcanics of the middle unit are host to the ABM and the Wolverine/Lynx Zone VHMS deposits.

The EXPO area properties are underlain by the "middle unit" felsic metavolcanics and carbonaceous phyllite and schist with interbanded mafic metavolcanics.

In 1997, detailed geological mapping, prospecting and soil geochemistry was completed over several sections of the property. Mapping and prospecting further defined the areas around White Creek, Ellen Creek and the Fly area. Several baritic units were mapped and several areas of minor pyritic mineralization were identified. Geochemical sampling was done along contour lines with some results showing elevated copper and zinc in the soil samples near the White Creek area. The Ellen Creek area and the White Creek area were sites of diamond drill holes to test favourable geology and geochemical results from previous work. Both drill holes encountered favourable intervals of felsic units with minor/trace mineralization of pyrite, pyrrhotite, sphalerite, galena, and chalcopyrite.

Results from 1997 suggest that the White Creek area still holds potential for hosting a VHMS deposit. Further drilling in the White Creek area is recommended. Areas around the POP and Ellen Creek areas also show indications of Cu/Zn/Pb mineralization.

2.0 LOCATION AND ACCESS

The EXPO properties are 20 kms east of Fire Lake, 35 kms southeast of Cominco Ltd.'s Kudz Ze Kayah VHMS Deposit and approximately 150 kms southeast of Ross River (Figure 1). The gravel, all weather Robert Campbell Highway provides access to within 35 kms of the properties. Direct access to the properties is by helicopter.

3.0 PROPERTY AND OWNERSHIP

All properties are 100% owned by Cominco Ltd., and are contiguous with the larger EXPO, MONY, and GO claim blocks. The BASE, BALL, BAT, HOME, and RUN blocks are all within the larger EXPO property and are not specifically reported on here. Figure 2 shows the claim blocks in the EXPO property area. The EXPO/XPO/POP/FLY properties are composed of 1060 units that are listed in the following table:

<u>NAME</u>	<u>UNITS</u>	<u>CLAIM NO.</u>	<u>DUE DATE</u>
EXPO 1-92	92	YB51952-2043	May 15, 1998
EXPO 94	1	YB52044	May 15, 1998
EXPO 96-277	182	YB52045-226	May 15, 1998
EXPO 278-417	140	YB56791-930	May 15, 1998
EXPO 418-565	148	YB60296-443	
EXPO 566-714	149	YB62288-436	
EXPO 715-748	34	YB74269-302	
EXPO 749-782	34	YB75620-653	May 15, 1998
EXPO 783-800	18	YB74303-320	
EXPO 801-808	8	YB76060-067	May 15, 1998
EXPO 809-816	8	YB74321-328	
EXPO 817-852	36	YB75654-689	May 15, 1998
EXPO 853-888	36	YB76068-103	May 15, 1998
EXPO 889-948	60	YB76938-997	May 15, 1998
EXPO 949-975	27	YB78648-674	May 15, 1998
EXPO 976-990	15	YB78675-689	
FLY 1-8	8	YB47386-393	April 15, 2001
FLY 9-14	6	YB47662-667	April 15, 2001
FLY 15-18	4	YB47394-397	April 15, 2001
POP 1-4	4	YB47372-375	April 15, 2000
POP 5-8	4	YB47650-653	April 15, 2000
POP 9-18	10	YB47376-385	April 15, 2000
POP 19-26	8	YB47654-661	April 15, 2000
XPO 1-24	24	YB87320-343	

4.0 PREVIOUS WORK

Prior Cominco Ltd. work in the immediate area of the properties consists of local stream silt, heavy mineral and minor soil geochemistry sampling along with detailed and reconnaissance mapping.

Within the EXPO claims proper, southwest of the HOME property is the Akhurst showing (Minfile #82), see Figure 2 for claim blocks. Cyprus Anvil Mining Corp. initially staked the Akhurst showing in 1975. Cyprus Anvil conducted grid soil sampling and a magnetic survey in that year. The claims lapsed and were re-staked in 1988 by Archer Cathro and Welcome North; prospecting and minor soil geochemistry sampling was conducted. The showing and surrounding area was staked to cover anomalous Zn and weakly anomalous Cu-Mo-Pb values in soils overlying quartzites, phyllites and minor limestone units. Cominco Ltd.'s EXPO claims currently cover the showing area.

The PY showing (Minfile #83) is south of the FLY property, in the EXPO claims. Cyprus Anvil, also in 1975, initially staked this showing and explored the area by conducting grid soil sampling and an IP survey. The claims lapsed and were re-staked several times between 1988 and 1994. The showing is composed of Cu-bearing float and a large gossanous area over quartz-sericite schists. The schist unit contains numerous quartz veins and several pyritic layers, up to 12.1 metres thick, with up to 15% coarse grained pyrite and minor chalcopyrite, sphalerite, and trace galena. Soil survey results reported high values of Cu-Zn-Pb-Ag. Carl Schultz currently holds the showing claims (WAWA claim block).

In 1993, Ron Berdahl of Whitehorse brought two new showings to Cominco Ltd.'s attention. One showing is now called the Berdahl showing (noted on Figure 3) and lies within the POP claims. The second showing is a barite occurrence in the area of the Akhurst showing (see above).

In 1994, Cominco Ltd. conducted a program of geological mapping/prospecting, contour soil geochemistry, sampling, line-cutting and ground geophysical surveys (HLEM/MAG) on the POP property (MacRobbie, 1994). This work resulted in the identification of new Zn-Pb-Ag showings in the White Creek (EXPO), Akhurst Creek (EXPO), Base (EXPO), Run (EXPO) areas.

In 1995 detailed mapping, soil geochemistry and ground geophysical surveys were completed on seven grids (MacRobbie, 1995). In addition, reconnaissance contour soil geochemistry, and mapping/prospecting was carried out in areas peripheral to the grids.

In 1996, three grids on the EXPO property were mapped in detail (1:2,500) to define the observed surface mineralization. Larger scale mapping (1:10,000) was also conducted on the POP near Ellen Creek. Soil, silt and lake sediment sampling was also done on three grids, with additional recce sampling on the entire EXPO property. Cominco Ltd. also drilled six holes on four different properties on the EXPO group of claims. Several thin intersections of sulphide mineralization were encountered in four of these holes (Tulk, 1997). Airborne and ground geophysical surveys were also conducted in 1996. Ground geophysical surveys (HLEM/MAG) were completed over the White Creek and Mony West grids. Both airborne and ground geophysics identified several conductors and magnetic highs in the EXPO property (Tulk, 1997).

5.0 REGIONAL GEOLOGY

The YTT consists of a sequence of metamorphosed rocks comprising a "lower unit" (3I in Mortensen 1983a) of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "middle unit" comprising carbonaceous phyllite and schist with interbedded mafic and, locally significant, felsic metavolcanics, and an "upper unit" of Pennsylvanian marbles and quartzite. Volcanism within the "middle unit" was accompanied by the intrusion of 2-3, late Devonian to Mississippian, mafic to felsic metaplutonic suites (Simpson Range suite and augen and monzonitic orthogneisses). This sequence appears to reflect stable platformal or shelf sedimentation with an intervening period of mafic to felsic arc volcanism developed within a more reduced basinal setting. Felsic volcanoclastics of the "middle unit" are host to Cominco's ABM VHMS Deposit.

The late Devonian to Triassic Slide Mountain Terrane (SMT) is composed of a heterogeneous package of mafic to ultramafic plutonic rocks, mafic volcanics, massive carbonates and cherts. This sequence is generally accepted to be structurally emplaced as thrust bounded klippen on YTT rocks or as thrust slices imbricated within YTT rocks during a period of crustal shortening.

Late Triassic immature clastics composed of micaceous argillites, siltstones and sandstones unconformably (?) overlie the deformed and metamorphosed YTT rocks. These sediments are often closely associated with SMT volcanics and are invariably in fault contact with YTT rocks.

The SMT, Late Triassic sediments, and Late Triassic to Middle Jurassic plutons are all affected by a period of Middle Jurassic to Late Cretaceous thrust faulting, during which the Finlayson Lake Fault Zone was formed. This complex fault zone contains both thrust and steep, transcurrent (?) faults and separates the YTT from autochthonous North America (Mortensen, 1983a; Mortensen and Jilson, 1985).

6.0 1997 FIELD WORK

6.1 GEOLOGICAL MAPPING AND PROSPECTING

Several areas of the EXPO group were further explored by detailed mapping and prospecting including: North of White Creek (EXPO); Northeast of Akhurst Creek (EXPO); The eastern portion of XPO and the adjoining EXPO area; South of Ellen Creek (EXPO); FLY property and the area south of Akhurst. Additional reconnaissance scale mapping was also done over the entire EXPO group of claims (including the POP). Result of the 1997 mapping effort and compilation of Cominco Ltd.'s geological map can be seen in Figure 3.

PROPERTY	GEOLOGY	PROSPECTING
EXPO	July 18-24; Aug 3,4,11: PO, JP, TJB, PAM, NPO	July 18-21, 27: ABM
XPO	July 19-21: PO, JP	N/A
FLY	July 19-21,23: TJB, JP, PO	N/A
POP	July 24,27; Aug 7,8: PO, TJB JP, PAM	July 23, 24: ABM

6.2 GEOCHEMISTRY

A contour line soil-sampling program was also conducted in 1997, gathering 560 samples in several parts of the EXPO area as seen in the table below. All soil samples were analyzed for Cu, Pb, Zn, Ag, As, Cd, Co, Ni, Fe, Mo, Cr, Bi, Sb, V, Sn, W, Sr, Y, La, Mn, Mg, Ti, Al, Ca, Na, and K by I.C.P., and Ba by XRF at Cominco Exploration Research Laboratory (CERL) in Vancouver. All geochemical data is presented in Appendix 3. Geochemical sample locations can be seen in Figures 4a & 4b.

PROPERTY	GEOCHEMISTRY
EXPO	July 19: RJH, WSA, MW
XPO	July 24: RJH
POP	July 24, 26: RJH, WSA, MW

6.3 DIAMOND DRILLING

In 1997, 2 holes were drilled on the EXPO property. Hole EX97-3 was drilled north of White Creek, while EX97-4 was drilled near Ellen Creek. Drill hole locations can be seen on Figures 4a and 4b. Drill hole logs are included in Appendix 4. Drill hole cross sections are shown on Figure 5a and 5b – these sections use the legend found on Figure 3. All drilling was conducted by DJ Drilling Ltd. of Surrey, B.C.; drill core for both holes is stored at the Kudz Ze Kayah camp core facility. All co-ordinates in the following table are in NAD 27, Zone 9.

HOLE #	PROPERTY	UTM CO-ORDS	COLLAR AZIMUTH	COLLAR DIP	HOLE LENGTH (m)
EX97-3	EXPO	6788741 N 432939 E	180	-90	173.7
EX97-4	EXPO	6778893 N 433645 E	180	-90	194.3

7.0 EXPO & XPO PROPERTIES

7.1 GEOLOGICAL MAPPING AND PROSPECTING

The XPO property is located in the southwestern corner of the EXPO property area. The property is dominantly a large ridge, with good outcrop exposure being found only at higher elevations on this ridge. This area is underlain by late Devonian to mid-Mississippian felsic metavolcanics with interbanded mafic metavolcanics of the lower "middle unit" of Mortensen's layered metamorphic sequence (Mortenson, 1985). The metavolcanic sequence is intruded by late Devonian to Mississippian Simpson Range intrusives.

Previous prospecting found float of massive sulphide on the XPO property. Further examination in 1997 did not identify any similar new material. Mapping on the property identified the dominant ridge to be composed of mixed metavolcanics and quartz sericite schist. The mafic unit contains abundant pyrite and minor amounts of magnetite, and may be the source of the mineralized float found in 1996. Structurally, units in this area have a westerly to west-south western trend and moderate dip.

On the EXPO property itself, several areas continued to be mapped in detail in 1997. These areas are summarized below, with mapping results seen in Figure 3.

EXPO: WHITE CREEK AREA

Outcrop exposure in this area is generally poor since much of the valley is tree and brush covered. The area is underlain by late Devonian to mid-Mississippian, "middle unit" felsic metavolcanics and carbonaceous phyllite and schist with interbanded mafic metavolcanics.

A strong north trending S_2 cleavage oriented sub-parallel to the primary layering is present throughout the White Creek area. Dips area generally sub-horizontal; however, can be up to 55 degrees. 1997 mapping identified further felsic interval occurrences and thin barite interbands in the felsics. Along with the baritic areas, minor mineralization of py-po-ga-sp were also recorded; continuing identification of mineralized units supports the interpretation of this area as a potential host of a VHMS style deposit. To the northwest of the felsic units, an area of granitoid intrusives was also mapped in 1997.

EXPO: AKHURST CREEK AREA

Detailed mapping over the Akhurst area in 1997 continued the delineation of the sedimentary and mixed metavolcanics previously identified in the area (MacRobbie 1994, 1995). 1997 mapping identified altered felsic units and gossans northwest of the main Akhurst area. This area also showed barite replacement in veins and units that are strongly pyritic. The alteration found is dominantly chloritic with minor Fe-carbonate and sericitic altered areas also mapped. The identified alteration is similar to the alteration seen at Kudz Ze Kayah and supports the interpretation of the Akhurst area as a potential VHMS host.

EXPO: ELLEN CREEK AREA

This area is underlain by lower "middle unit" mixed metavolcanics and is intruded by late Devonian to Mississippian Simpson Range intrusives. Part of this area is above tree line and provides good outcrop exposure on several cliffs and in creek beds. This area has been identified as being a sequence of felsic flows overlain by a blocky massive quartzite unit and a skarned mafic flow unit on the eastern side of the structure.

In 1997 mapping moved south of the showing area and continued to map units of quartz feldspar porphyry containing minor dolomite and quartz veining. Mafic volcanic units with trace cpy and sp mineralization were also extended to the south of the occurrences summarized above.

7.2 GEOCHEMISTRY

On the EXPO property, 446 soil samples were collected along contour lines at 100 m intervals. Locations and sample numbers can be seen in Figures 4a & 4b, while Appendix III contains all the geochemical data collected. In the area north of White Creek, soil sampling outlined an area of elevated Cu (>100, up to 321 ppm) and elevated Zn (>111, up to 662 ppm).

On the XPO property, 49 soil samples were collected at 100m on contour lines. No significantly elevated values were found on this property. Elemental ranges of the XPO samples include: Cu (2-198 ppm), Pb (2-273 ppm) and Zn (6-130 ppm).

7.3 DIAMOND DRILLING

Co-ordinates for drill holes are found in Section 6.3, with locations visible on Figures 4a & 4b. Sections for both hole are in Figures 5a & 5b (legend found on Figure 3), with logs found in Appendix IV.

EX97-3

The objective of this drill hole was to continue testing of the favourable stratigraphy, geochemical results and HLEM targets (Tulk, 1997) of the White Creek area. This hole was drilled on the northern side of the drainage as opposed to the 1996 hole, drilled on the southern side.

This hole intersected a sequence of yellowy-green felsic flows, and tuffs with occurrences of pyrite-pyrrhotite-sphalerite in thin wispy bands and disseminations. Also intersected in this hole were units of cherty argillite containing pyrite-sphalerite veinlets along with Fe-carbonate and quartz.

EX97-4

The objective of EX97-4 was to test the favourable stratigraphy and geochemical results (Tulk, 1997) of the Ellen Creek area.

EX97-4 intersected several units of felsic crystal tuff that was qtz/silica-chlorite-epidote altered. Disseminated throughout these tuffaceous intervals, is fine-grained pyrite along with trace sphalerite and rare galena occurrences. As the hole deepened, the felsic units also contained minor pyrrhotite in quartz-chlorite veins. One thin interval of felsic tuff, between 49.8 and 52.5 m, contained up to 2% chalcopyrite occurring in a sericitic altered portion of the unit.

8.0 FLY & POP PROPERTIES

8.1 GEOLOGICAL MAPPING AND PROSPECTING

Areas on both the POP and the FLY properties, near the Berdahl and Akhurst showings respectively, continued to be mapping in detail during 1997. The southern section of the POP area was also mapped to delineate potentially favourable felsic stratigraphy.

On the FLY property, units of felsic tuff and of carbonaceous argillites dominate the southern portion of the property. In the northern half of the FLY, sequences of mixed metavolcanics hosted minor manganese mineralization and several intervals of highly pyritic units. In both the felsic and sedimentary units, minor baritic layers were found.

Mapping and prospecting on the POP property outlined areas of felsic flows & tuffs and sequences of quartzites and argillites. Additional outcrops of mafic units were mapped around the area of the Berdahl showing on the northern portion of the property.

8.2 GEOCHEMISTRY

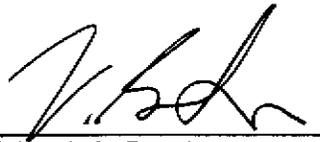
No geochemical sampling was done on the FLY property in 1997. Collection of 28 soil samples, at 100 m intervals, was done on the POP property in 1997. The POP samples are from contour lines in the northwestern corner of the property adjacent to the Berdahl showing. No anomalous areas were identified from the 1997 POP samples, maximum values recorded are Cu—114 ppm, Pb—276 ppm and Zn—340 ppm.

9.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the mapping, prospecting, geochemistry and diamond drilling provide conclusions about several portions of the EXPO area of properties.

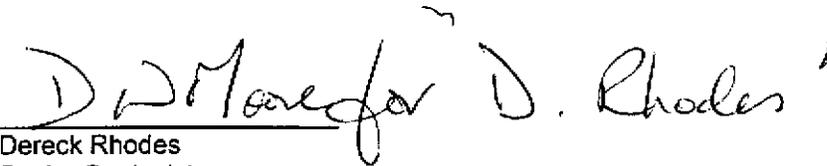
- On the XPO property: no favourable stratigraphy or anomalous geochemistry has been identified and no further work is recommended
- On the FLY property: additional detail of the occurrence of minor/trace mineralization was found and the Akhurst area remains interesting as a potential VHMS area
- On the POP property: the northern section of the property, moving toward the White Creek area and the Berdahl showing also has potential as VHMS area
- On the EXPO property: The results of further mapping of felsic mineralized and altered units and the anomalous line of geochemical samples, demonstrates that the White Creek area remains a significant VHMS target. With the occurrence of elevated Cu & Zn values and felsic units to the north of hole EX97-3, further examination – including detailed mapping and further drill testing is recommended in this area.

Report by:



Victoria L. Bannister
Geologist

Endorsed by:



Dereck Rhodes
Senior Geologist

Approved for
Release by:



David Moore
Manager, Exploration
Western Canada

VLB/vlb

Distribution:
W.D. Files
Mining Recorder (2)

10.0 REFERENCES

MACROBBIE, P. A., 1995. 1995 ASSESSMENT REPORT: BASE, RUN, BALL, FLY, AND BAT PROPERTIES (EXPO PROPERTY); LINECUTTING, GROUND GEOPHYSICS, SOIL GEOCHEMISTRY AND GEOLOGICAL MAPPING; 1995 Assessment Report, Cominco Ltd., 18p.

MACROBBIE, P. A., 1994. 1994 ASSESSMENT REPORT: BASE, RUN, BALL, FLY, AND BAT PROPERTIES (EXPO PROPERTY); LINECUTTING, GROUND GEOPHYSICS, SOIL GEOCHEMISTRY AND GEOLOGICAL MAPPING; 1994 Assessment Report, Cominco Ltd., 15p.

MORTENSEN, J. K., 1983a. AGE AND EVOLUTION OF THE YUKON-TANANA TERRANE, SOUTHEASTERN YUKON TERRITORY [Ph.D. Thesis]; Santa Barbara, University of California, 155 p.

MORTENSEN, J. K. AND JILSON, G. A., 1985. EVOLUTION OF THE YUKON-TANANA TERRANE: EVIDENCE FROM SOUTHEASTERN YUKON TERRITORY; *Geology*, 13, p. 806-810.

TULK, L. A. 1997. 1996 ASSESSMENT REPORT. EXPO PROPERTY (INCLUDING THE POP, HOME, RUN, AND FLY PROPERTIES; PICKETTING, GROUND GEOPHYSICS (HLEM/MAG), SOIL GEOCHEMISTRY AND GEOLOGICAL MAPPING; 1996 Assessment Report, Cominco Ltd., 16p.

APPENDIX I

STATEMENT OF EXPENDITURES

EXPO PROPERTY

Geology Staff Costs	6,341.77
Geochemistry Staff Costs	9,176.88
Prospecting Staff Costs	1,625.00
Helicopter	8,872.50
Domicile	4,250.00
Total	30,266.15

EXPO DRILLING

EX97-3	12,448.66
Logging Staff Costs	940.27
Helicopter	15,600.00
Domicile	375.00
Total	29,363.93

EX97-4	13,942.06
Logging Staff Costs	806.80
Helicopter	5,850.00
Domicile	250.00
Total	20,848.86

XPO PROPERTY

Geology Staff Costs	1,344.19
Geochemistry Staff Costs	1,100.00
Helicopter	1,680.00
Domicile	750.00
Total	\$4,874.19

APPENDIX II

CERTIFICATION OF QUALIFICATIONS

I, Victoria L. Bannister, of #103-2168 W. 2nd Ave., Vancouver, B.C. hereby declare that I:

1. Graduated from The University of Toronto, Toronto, Ontario, with a B.Sc. in Geology in May, 1993.
2. Graduated from Queen's University, Kingston, Ontario, with a M.Sc. in Geology in May, 1996.
3. Have acted as a contract geologist in Ontario and Yukon, Canada and in Martinique and Guyana since the summer of 1991.
4. Has been actively engaged in mineral exploration in Western Canada as a geological assistant with Cominco Ltd. during the summer and fall of 1996 and as a full-time geologist since November, 1996.

Date: December, 1997



V.L. Bannister, M.Sc.,
Geologist I

APPENDIX III

GEOCHEMICAL DATA

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
360850	85	265	217	0.8	40	105	0.5	7	14	5.53	8	27	5	11	27	1	1	12	7	29	916	0.99	0.01	1.37	0.01	0.005	0.12	0
360851	114	276	340	0.8	50	145	0.5	15	16	5.14	13	27	2	8	26	1	1	23	10	29	1002	0.96	0.02	1.57	0.05	0.005	0.17	0
360852	47	35	75	0.7	68	291	0.5	1	10	5.55	9	17	2	2	27	1	1	19	5	21	128	0.33	0.005	0.95	0.005	0.01	0.42	0
360853	52	43	90	0.9	27	128	0.5	2	14	4.25	10	18	2	6	27	1	1	14	5	36	227	0.49	0.005	0.95	0.01	0.005	0.14	0
360854	44	114	80	0.9	30	102	0.5	3	14	3.64	6	16	2	2	26	1	1	8	3	28	135	0.27	0.005	0.77	0.01	0.005	0.1	0
360855	60	42	82	1.2	40	216	0.5	2	13	4.3	7	19	2	2	26	1	1	12	4	25	182	0.39	0.005	0.99	0.01	0.01	0.25	0
360856	48	33	69	0.7	80	142	0.5	3	13	3.8	7	16	2	2	25	1	1	11	4	30	147	0.29	0.005	0.79	0.02	0.005	0.18	0
360857	57	56	109	0.7	45	192	0.5	3	15	4.13	10	21	2	2	29	1	1	16	5	26	285	0.6	0.005	1.14	0.03	0.005	0.2	0
360858	67	93	143	1	25	185	0.5	5	14	4.51	9	24	2	7	30	1	1	21	6	24	430	0.71	0.01	1.37	0.05	0.005	0.23	0
360859	76	149	206	1	6	124	0.5	5	15	4.72	10	25	2	9	29	1	1	16	6	26	626	0.84	0.01	1.41	0.04	0.005	0.17	0
360860	63	80	99	0.9	19	121	0.5	2	11	3.96	10	19	2	2	27	1	1	13	4	28	260	0.53	0.005	1.07	0.02	0.005	0.1	0
360861	89	210	185	0.8	52	135	0.5	9	31	5.15	7	40	2	2	34	1	1	15	5	25	384	0.48	0.04	1.14	0.03	0.005	0.1	0
360862	67	89	84	1	66	168	0.5	1	12	4.25	12	16	2	5	24	1	1	16	4	24	199	0.47	0.005	0.95	0.005	0.005	0.16	0
360863	72	81	103	0.9	48	207	0.5	5	21	4.48	9	29	2	2	30	1	1	17	5	26	360	0.61	0.005	1.19	0.02	0.005	0.19	0
360864	76	63	114	1.1	59	292	0.5	3	17	4.92	7	21	2	2	29	1	1	20	4	25	255	0.47	0.01	1.1	0.01	0.005	0.22	0
360865	81	69	101	0.7	49	124	0.5	3	15	4.3	12	16	2	2	24	1	1	18	5	32	209	0.38	0.005	0.96	0.01	0.005	0.16	0
360866	73	155	143	1.4	27	195	0.5	4	15	4.8	12	23	2	2	33	1	1	26	5	23	316	0.54	0.005	1.15	0.04	0.005	0.24	0
360867	74	84	159	0.8	41	112	0.5	7	20	4.17	10	25	2	10	41	1	1	21	5	22	642	0.46	0.01	1.17	0.06	0.005	0.12	0
360868	81	432	143	1.9	58	216	0.5	1	13	5.63	13	20	2	5	34	1	1	33	4	25	238	0.32	0.005	0.88	0.01	0.005	0.28	0
360869	61	136	135	1.2	52	122	0.5	4	22	3.9	8	18	2	2	24	1	1	17	5	30	185	0.3	0.005	0.81	0.01	0.005	0.11	0
360870	61	41	88	0.7	80	260	0.5	5	22	4.39	8	27	2	2	29	1	1	14	5	30	241	0.47	0.02	0.79	0.02	0.005	0.14	0
360871	54	54	81	0.7	76	87	0.5	3	16	4.03	8	16	2	2	19	1	1	11	3	26	176	0.3	0.005	0.61	0.005	0.005	0.1	0
360872	58	46	71	1.6	71	415	0.5	4	14	4.97	9	22	2	6	21	1	1	23	4	34	153	0.37	0.005	0.61	0.005	0.005	0.17	0
360873	96	48	121	0.9	94	272	0.5	9	33	5.32	9	33	2	9	31	1	1	21	6	31	273	0.56	0.005	0.91	0.02	0.01	0.14	0
360874	66	50	64	0.9	49	580	0.5	2	13	5.52	10	27	2	6	33	1	1	23	5	30	170	0.6	0.005	1.23	0.05	0.01	0.25	0
360875	75	54	96	1	132	389	0.5	3	18	5.17	9	28	2	2	30	1	1	23	6	38	218	0.59	0.005	1.04	0.02	0.005	0.21	0
360876	54	51	114	1.3	62	259	0.5	3	13	5.19	12	17	2	2	27	1	1	14	4	33	119	0.27	0.005	0.77	0.01	0.005	0.22	0
360877	38	69	63	1.3	59	276	0.5	1	7	3.61	7	18	2	2	24	1	1	11	4	30	118	0.42	0.005	0.79	0.005	0.01	0.25	0
360878	60	33	170	0.9	114	395	0.5	5	22	6.51	7	14	2	2	26	1	1	7	5	31	97	0.1	0.005	0.57	0.005	0.005	0.14	0
360879	44	60	62	1.2	98	278	0.5	1	8	4.53	9	16	2	2	27	1	1	8	2	18	95	0.29	0.005	0.75	0.005	0.01	0.33	0
360880	80	141	175	0.9	31	425	0.5	0.5	13	6.37	4	40	2	2	47	1	1	18	3	40	310	1.18	0.005	1.64	0.005	0.02	0.29	0
360881	46	30	20	0.5	85	393	0.5	0.5	5	3.6	5	11	2	2	15	1	1	7	2	20	43	0.13	0.005	0.45	0.005	0.01	0.22	0
360882	23	46	34	0.6	30	213	0.5	1	7	2.64	7	7	2	6	9	1	1	5	3	15	24	0.04	0.005	0.19	0.005	0.005	0.05	0
360883	22	95	39	2.1	155	47	0.5	1	6	2.77	6	6	2	2	10	1	1	7	1	13	46	0.05	0.005	0.15	0.005	0.005	0.07	0
360884	61	43	79	0.8	85	66	0.5	2	14	4.42	4	11	2	2	13	1	1	6	1	7	69	0.17	0.005	0.48	0.005	0.005	0.09	0
360885	99	35	108	0.6	58	74	0.5	6	34	4.6	2	11	2	5	14	1	1	10	2	9	132	0.16	0.005	0.52	0.005	0.005	0.12	0
360886	103	32	184	0.2	15	37	0.5	13	56	3.91	4	7	2	9	10	1	1	5	4	9	226	0.05	0.005	0.46	0.005	0.005	0.05	0
360887	58	33	66	0.6	49	56	0.5	1	10	3.64	3	10	2	2	11	1	1	15	1	8	83	0.18	0.005	0.54	0.005	0.005	0.07	0
360888	76	27	88	0.6	133	56	0.5	4	21	3.86	4	12	2	10	14	1	1	7	1	8	132	0.23	0.005	0.66	0.005	0.005	0.07	0
360889	207	20	142	0.4	15	26	0.5	9	48	6.74	4	8	2	5	13	1	1	3	3	4	129	0.02	0.005	0.52	0.005	0.005	0.04	0

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
360890	67	53	72	1.2	90	56	0.5	4	20	2.79	4	6	2	2	10	1	1	11	2	5	132	0.05	0.005	0.42	0.02	0.005	0.05	0
360891	26	68	34	0.9	38	108	0.5	1	10	2.07	6	7	2	9	9	1	1	16	1	6	44	0.06	0.005	0.42	0.005	0.005	0.06	0
360892	78	48	129	0.9	67	64	0.5	7	33	4.52	6	8	2	7	13	1	1	9	3	8	162	0.09	0.005	0.38	0.005	0.005	0.06	0
360893	139	235	311	1.1	33	72	1	21	19	4.74	10	23	2	10	18	1	1	12	13	21	1240	0.58	0.01	1.14	0.02	0.005	0.08	0
360894	63	111	86	0.9	46	91	0.5	4	9	4.1	9	12	2	2	14	1	1	17	4	17	351	0.34	0.005	0.88	0.005	0.005	0.09	0
360895	26	46	42	0.4	62	55	0.5	2	4	2.93	4	7	2	2	9	1	1	6	3	11	281	0.17	0.005	0.61	0.005	0.005	0.06	0
360896	30	63	48	0.2	54	46	0.5	2	4	2.89	6	6	2	5	8	1	1	5	3	9	308	0.17	0.005	0.55	0.005	0.005	0.04	0
360897	30	58	52	0.5	62	60	0.5	2	8	3.06	5	9	2	2	9	1	1	10	3	7	281	0.19	0.005	0.57	0.03	0.005	0.04	0
360898	21	35	48	0.2	67	83	0.5	2	5	2.96	3	6	2	11	8	1	1	8	4	11	363	0.14	0.005	0.58	0.04	0.005	0.04	0
360899	12	24	47	0.7	60	50	0.5	3	2	2.27	3	2	2	5	3	1	1	3	4	9	412	0.07	0.005	0.4	0.02	0.005	0.01	0
360900	16	22	59	0.4	21	28	0.5	2	6	2.63	6	7	2	11	14	1	1	4	2	6	415	0.09	0.005	0.4	0.03	0.02	0.04	0
360901	29	27	54	0.2	25	69	0.5	2	7	3.06	9	11	2	9	12	1	1	10	3	12	277	0.28	0.005	0.76	0.09	0.005	0.04	0
360902	10	22	51	0.2	13	42	0.5	3	3	2.17	7	4	2	2	4	1	1	3	5	17	501	0.07	0.005	0.4	0.04	0.02	0.02	0
360903	39	44	88	0.8	56	119	0.5	8	16	3.51	6	13	2	2	11	1	1	21	14	25	421	0.35	0.005	0.81	0.17	0.005	0.07	0
360904	14	22	106	0.2	35	88	0.5	4	10	1.65	6	8	2	2	6	1	1	24	22	20	449	2.14	0.005	0.6	3.8	0.005	0.05	0
360905	19	10	172	0.2	4	172	3	3	21	0.8	5	9	2	9	8	1	1	50	31	12	349	5.41	0.005	0.4	1.16	0.02	0.04	0
360906	55	20	221	0.2	23	445	1	7	30	2.69	16	12	2	5	16	1	1	42	33	13	337	0.42	0.005	0.82	0.7	0.005	0.04	0
360907	50	12	227	1.2	23	293	3	7	62	2.43	34	14	2	2	19	1	1	48	32	9	380	0.41	0.005	0.73	1.57	0.02	0.04	0
360908	43	7	126	0.7	12	119	0.5	5	30	1.87	11	18	2	2	27	1	1	35	20	14	216	0.44	0.005	1.04	0.77	0.02	0.06	0
360909	39	9	85	0.2	24	224	0.5	6	20	2.42	9	25	2	10	38	1	1	26	5	5	482	0.67	0.005	1.23	1.3	0.02	0.07	0
360910	17	6	36	0.2	13	65	0.5	4	5	1.36	4	8	2	2	17	1	1	11	7	21	264	0.4	0.005	1.17	0.28	0.02	0.05	0
360911	10	4	17	0.2	4	29	0.5	2	2	0.73	1	4	2	2	8	1	1	3	3	8	247	0.07	0.005	0.76	0.05	0.02	0.02	0
360912	65	17	237	0.2	18	136	2	13	37	3.04	10	25	2	2	43	1	1	17	55	51	791	0.98	0.005	1.56	0.75	0.005	0.08	0
360913	82	14	359	0.2	35	153	3	16	51	3.32	9	28	2	2	48	1	1	24	82	56	1198	0.87	0.005	1.45	0.97	0.005	0.07	0
360914	108	17	284	0.2	53	107	2	19	60	3.52	10	31	2	2	50	1	1	30	73	50	764	0.93	0.005	1.4	1.32	0.005	0.1	0
360915	22	14	58	0.2	36	188	0.5	9	9	1.84	5	9	2	2	21	1	1	16	10	14	710	0.37	0.005	1.37	0.41	0.03	0.06	0
360916	8	2	16	0.2	1	59	0.5	0.5	1	0.25	3	2	2	7	3	1	1	15	4	6	69	0.06	0.005	0.4	1.08	0.04	0.02	0
360917	84	24	382	0.2	13	286	5	13	65	2.99	11	26	2	2	43	1	1	42	101	67	1489	0.73	0.005	1.49	4.64	0.005	0.11	0
360918	161	28	424	0.2	36	345	5	23	68	5.79	13	33	2	5	77	1	1	50	110	85	2191	1.58	0.005	3.27	4.83	0.02	0.13	0
360919	73	13	64	0.2	29	72	0.5	9	6	3.36	12	11	2	10	41	1	1	9	4	10	786	0.64	0.005	1.54	0.17	0.02	0.09	0
360920	33	9	56	0.2	1	75	0.5	7	5	2.98	5	10	2	7	38	1	1	7	3	9	704	0.49	0.01	1.54	0.11	0.02	0.04	0
360921	6	4	18	0.2	10	29	0.5	2	1	1.18	2	2	2	2	18	1	1	4	1	3	171	0.12	0.01	0.47	0.05	0.03	0.04	0
360922	18	10	51	0.2	7	64	0.5	5	9	3.56	5	12	2	10	62	1	1	12	3	10	346	0.4	0.05	1.37	0.11	0.02	0.05	0
360923	27	7	44	0.2	19	38	0.5	5	7	2.32	6	10	2	9	31	1	1	10	6	17	552	0.39	0.01	1.77	0.1	0.02	0.05	0
360924	34	7	43	0.2	4	57	0.5	5	7	1.96	5	9	2	5	26	1	1	15	7	18	517	0.41	0.01	1.45	0.16	0.03	0.05	0
360925	67	7	61	0.2	1	63	0.5	9	7	3.05	6	13	2	6	44	1	1	21	10	26	837	0.91	0.01	1.96	0.21	0.005	0.06	0
360926	22	6	33	0.2	17	45	0.5	2	4	1.99	1	7	2	6	30	1	1	10	3	8	298	0.17	0.02	1.62	0.11	0.03	0.04	0
360927	17	4	30	0.2	8	48	0.5	2	4	2.02	3	8	2	14	26	1	1	8	3	8	292	0.16	0.01	1.38	0.07	0.03	0.05	0
360928	14	9	44	0.2	16	49	0.5	4	5	2.83	5	10	2	2	36	1	1	7	4	12	548	0.33	0.01	1.98	0.06	0.02	0.04	0
360929	18	9	62	0.2	21	66	0.5	4	7	2.95	4	11	5	6	32	1	1	9	4	9	713	0.32	0.01	1.45	0.11	0.02	0.08	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
360930	35	7	50	0.2	1	113	0.5	6	6	2.6	6	9	2	2	28	1	1	9	11	27	515	0.52	0.02	1.56	0.15	0.02	0.07	0
360931	15	12	44	0.2	10	117	0.5	3	5	2.59	4	8	2	5	36	1	1	8	3	10	793	0.24	0.02	1.14	0.13	0.02	0.09	0
360932	16	12	50	0.2	1	83	0.5	4	4	2.93	3	8	2	8	40	1	1	5	4	15	784	0.24	0.02	1.5	0.05	0.02	0.06	0
360933	15	12	51	0.2	17	101	0.5	4	5	2.59	4	8	2	2	38	1	1	11	3	9	998	0.29	0.03	1.03	0.21	0.02	0.1	0
360934	45	10	44	0.2	8	125	0.5	4	4	2.16	2	8	6	2	33	1	1	11	3	10	813	0.25	0.02	0.8	0.11	0.02	0.06	0
360935	18	12	47	0.2	2	129	0.5	5	6	2.71	4	10	2	2	35	1	1	12	5	19	580	0.5	0.02	1.33	0.23	0.03	0.07	0
360936	12	10	53	0.2	1	298	0.5	6	9	2.76	9	12	2	2	34	1	1	27	10	24	527	0.59	0.02	1.84	0.33	0.02	0.06	0
360937	8	14	61	0.2	1	183	0.5	7	4	3.36	11	7	2	2	37	1	1	26	13	35	922	0.71	0.01	2.02	0.43	0.02	0.09	0
360938	8	7	55	0.2	20	161	0.5	5	6	3.21	6	9	2	5	36	1	1	9	9	18	567	0.68	0.01	1.7	0.18	0.02	0.06	0
360939	11	9	42	0.2	2	319	0.5	4	3	2.1	5	6	2	7	24	1	1	9	9	22	507	0.38	0.005	1.51	0.1	0.03	0.04	0
360940	15	15	81	0.2	10	286	0.5	6	6	3.87	4	10	2	11	52	1	1	11	5	10	1836	0.38	0.03	1.8	0.15	0.02	0.13	0
360941	15	12	60	0.2	8	577	0.5	6	5	3.1	6	9	2	2	38	1	1	11	10	23	610	0.4	0.01	1.44	0.3	0.02	0.1	0
360942	18	17	77	0.2	1	228	0.5	6	6	4.27	2	10	2	9	59	1	1	7	4	9	715	0.54	0.05	1.64	0.08	0.02	0.1	0
360943	50	22	156	0.2	20	726	5	14	42	1.91	8	20	2	2	20	1	1	63	25	36	1438	0.34	0.005	0.77	1.27	0.04	0.07	0
360944	26	20	222	0.4	21	300	1	20	38	3.33	9	40	2	2	47	1	1	20	10	17	1122	0.8	0.03	1.58	0.39	0.03	0.14	0
360945	46	24	267	0.2	6	478	1	14	46	4.49	9	46	2	6	53	1	1	27	25	36	743	1	0.04	1.64	0.55	0.03	0.16	0
360946	56	26	228	0.4	36	624	1	13	55	3.44	10	46	2	6	53	1	1	52	23	34	742	0.96	0.03	1.6	1.22	0.01	0.14	0
360947	54	21	224	0.2	47	490	1	14	46	5.35	15	42	2	2	49	1	1	28	31	41	1088	0.88	0.04	1.56	0.6	0.01	0.15	0
360948	26	9	162	0.2	16	394	3	5	24	1.2	3	15	2	2	15	1	1	89	11	16	1178	0.43	0.01	0.5	2.62	0.02	0.06	0
360949	25	17	176	0.2	2	238	1	9	23	3.18	7	33	2	12	52	1	1	41	10	17	734	0.83	0.05	1.61	0.86	0.04	0.18	0
360950	15	11	61	0.2	1	138	0.5	6	11	2.85	2	26	2	11	52	1	1	19	6	10	251	0.43	0.05	1.89	0.33	0.02	0.09	0
360951	8	11	52	0.2	8	93	0.5	3	6	2.55	4	14	2	6	58	1	1	4	1	4	362	0.12	0.05	0.85	0.05	0.005	0.07	0
360952	12	7	56	0.2	8	67	0.5	4	7	3.42	5	18	2	9	68	1	1	4	2	4	201	0.29	0.07	1.29	0.04	0.02	0.05	0
360953	11	6	56	0.2	9	48	0.5	3	7	3.02	5	17	2	2	58	1	1	5	2	5	203	0.3	0.07	1.14	0.06	0.02	0.05	0
360954	13	7	49	0.2	11	48	0.5	3	9	2.98	5	19	2	7	64	1	1	4	2	5	285	0.26	0.08	0.99	0.05	0.02	0.07	0
360955	7	7	82	0.2	1	159	0.5	3	6	2.14	5	15	5	2	42	1	1	10	2	8	628	0.16	0.03	0.88	0.09	0.02	0.05	0
360956	9	7	36	0.2	2	70	0.5	2	5	1.73	3	11	2	2	44	1	1	7	2	9	276	0.13	0.05	0.78	0.07	0.02	0.04	0
360957	10	6	65	0.4	13	76	0.5	4	7	2.63	3	16	2	6	65	1	1	8	2	6	232	0.26	0.06	0.96	0.1	0.02	0.06	0
360958	7	5	26	0.4	10	56	0.5	3	7	2.2	2	17	2	8	43	1	1	8	3	6	138	0.32	0.04	0.86	0.1	0.02	0.07	0
360959	7	5	28	0.4	8	51	0.5	3	7	1.72	4	15	2	2	28	2	1	5	4	10	129	0.33	0.03	1.06	0.08	0.005	0.05	0
360960	13	4	32	0.2	1	72	0.5	4	10	1.68	2	22	2	2	27	1	1	5	7	15	189	0.5	0.04	1.01	0.13	0.005	0.14	0
360961	4	6	16	0.4	18	44	0.5	1	3	1.33	1	10	2	2	26	1	1	3	1	4	101	0.16	0.03	0.57	0.04	0.005	0.05	0
360962	46	9	62	0.2	21	164	0.5	3	14	1.28	3	18	2	2	16	1	1	61	14	15	253	0.33	0.01	0.91	1.52	0.03	0.07	0
360963	10	2	26	0.2	1	134	0.5	1	3	0.38	3	2	5	7	5	1	1	71	3	7	71	0.18	0.005	0.64	1.82	0.04	0.01	0
360964	10	4	51	0.2	10	55	0.5	4	19	2.91	2	23	2	7	45	1	1	4	4	7	238	0.39	0.08	1.16	0.08	0.02	0.07	0
360965	13	14	55	0.2	6	126	0.5	7	12	1.92	3	19	2	2	35	1	1	9	4	10	646	0.23	0.04	0.81	0.11	0.03	0.07	0
360966	8	2	20	0.2	10	127	0.5	0.5	3	0.16	1	2	2	2	4	1	1	60	1	2	100	0.09	0.005	0.32	1.22	0.04	0.01	0
360967	13	2	14	0.2	9	201	0.5	0.5	3	0.2	3	2	2	5	3	1	1	110	2	4	106	0.18	0.005	0.32	2.68	0.04	0.02	0
360968	61	2	7	0.4	4	266	0.5	2	14	0.49	1	8	2	2	9	1	1	139	9	11	65	0.22	0.005	0.66	2.93	0.04	0.01	0
360969	12	2	5	0.2	1	97	0.5	0.5	5	0.24	1	2	2	7	3	1	1	54	5	11	22	0.11	0.005	0.6	1.26	0.03	0.02	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
360970	6	5	21	0.5	3	43	0.5	3	6	1.67	1	15	2	2	24	1	1	5	3	6	130	0.31	0.02	0.8	0.08	0.005	0.03	0
360971	4	6	11	0.4	5	42	0.5	1	2	1.86	3	11	2	5	44	1	1	5	2	5	67	0.15	0.06	0.65	0.05	0.005	0.02	0
360972	4	5	14	0.2	13	52	0.5	1	2	1.3	1	8	2	2	32	1	1	5	2	6	49	0.11	0.05	0.71	0.06	0.02	0.02	0
360973	6	4	21	0.2	14	25	0.5	2	5	2.01	2	17	2	6	36	1	1	5	2	6	127	0.29	0.05	0.75	0.05	0.005	0.03	0
360974	7	9	21	0.2	18	48	0.5	2	6	1.91	2	17	2	6	33	1	1	8	3	9	124	0.31	0.03	1.2	0.1	0.02	0.03	0
360975	11	5	28	0.2	1	57	0.5	4	10	1.65	2	21	2	2	29	1	1	11	7	16	193	0.48	0.04	1.09	0.18	0.005	0.06	0
360976	8	7	20	0.2	15	54	0.5	2	4	1.2	2	9	2	2	31	1	1	6	2	9	140	0.08	0.03	0.5	0.07	0.03	0.04	0
360977	1	8	7	0.2	4	35	0.5	0.5	2	0.58	2	7	2	2	16	1	1	6	2	9	45	0.09	0.03	0.42	0.08	0.005	0.02	0
360978	8	7	25	0.2	1	83	0.5	2	7	1.97	2	17	2	9	30	1	1	8	4	10	146	0.34	0.03	1.28	0.11	0.02	0.04	0
360979	15	7	49	0.2	1	78	0.5	5	9	2.12	3	20	2	10	37	1	1	10	3	9	801	0.25	0.01	1.05	0.08	0.03	0.07	0
360980	10	5	42	0.2	15	48	0.5	2	4	1.32	1	13	2	5	23	1	1	10	1	4	143	0.16	0.01	0.78	0.09	0.03	0.05	0
360981	6	6	27	0.2	1	69	0.5	2	5	2.1	3	14	2	7	42	1	1	5	2	6	138	0.2	0.04	0.83	0.06	0.005	0.03	0
360982	2	11	27	0.2	6	26	0.5	1	3	1.11	2	12	2	2	39	2	1	4	1	6	71	0.2	0.04	0.61	0.04	0.005	0.03	0
360983	6	6	12	0.4	3	51	0.5	1	3	1.49	1	9	2	2	35	1	1	5	2	7	55	0.07	0.04	0.58	0.05	0.03	0.02	0
360984	6	6	16	0.2	1	25	0.5	1	4	1.48	3	10	2	13	45	1	1	5	2	7	77	0.1	0.05	0.59	0.07	0.03	0.03	0
360985	50	49	259	0.2	44	251	1	11	48	3.19	8	39	2	2	39	1	1	34	19	32	833	0.54	0.03	1.01	0.61	0.01	0.17	0
360986	38	29	224	0.2	14	173	0.5	8	36	2.4	5	31	2	10	30	1	1	26	14	23	509	0.48	0.02	1.06	0.48	0.01	0.12	0
360987	46	28	193	0.4	1	144	0.5	6	31	2.07	6	19	2	2	22	1	1	16	18	24	330	0.31	0.02	0.88	0.26	0.02	0.1	0
360988	51	34	264	0.4	15	273	1	9	48	2.7	5	33	5	2	34	1	1	28	20	28	836	0.54	0.03	1.07	0.54	0.03	0.19	0
360989	54	47	277	0.2	22	217	1	10	41	2.99	6	36	2	2	34	1	1	18	15	25	927	0.5	0.03	1.02	0.25	0.03	0.22	0
360990	50	52	242	0.2	42	257	1	12	45	2.99	11	35	7	10	35	1	1	53	21	31	1542	0.67	0.02	1.22	1.13	0.01	0.18	0
360991	5	7	51	0.2	8	75	0.5	4	7	2.04	1	18	2	7	37	1	1	9	2	5	238	0.26	0.03	0.92	0.11	0.005	0.05	0
360992	8	8	31	0.2	6	78	0.5	2	8	1.54	2	15	2	2	31	1	1	7	4	8	134	0.33	0.05	0.87	0.11	0.02	0.08	0
360993	9	35	39	0.2	17	54	0.5	5	12	2.09	1	22	2	2	33	1	1	5	5	10	235	0.45	0.05	1.12	0.09	0.005	0.08	0
360994	6	6	29	0.2	32	59	0.5	4	9	1.84	3	20	5	5	34	1	1	5	4	10	186	0.42	0.06	1.23	0.07	0.005	0.06	0
360995	66	30	254	0.2	8	425	1	14	34	3.18	6	34	2	7	40	1	1	44	13	18	2025	0.59	0.04	1.51	1.03	0.03	0.21	0
360996	16	17	40	0.2	11	106	0.5	3	11	2.16	12	11	2	6	46	1	1	8	3	10	192	0.09	0.02	0.59	0.07	0.01	0.08	0
360997	173	5	32	0.2	10	345	0.5	3	28	0.74	4	12	2	2	8	1	1	114	42	60	644	0.23	0.005	0.8	2.72	0.04	0.04	0
360998	40	40	232	0.2	15	174	2	7	28	2.78	9	22	2	2	35	1	1	15	8	20	449	0.25	0.02	0.54	0.11	0.005	0.18	0
360999	11	5	27	0.2	5	65	0.5	3	8	1.29	5	16	2	2	20	1	1	7	8	17	151	0.35	0.03	0.83	0.18	0.005	0.09	0
361000	7	8	42	0.2	1	46	0.5	3	6	2.76	3	19	2	9	50	1	1	7	2	7	138	0.32	0.04	1.12	0.09	0.005	0.06	0
332861	20	50	48	0.5	46	97	0.5	2	4	2.9	5	18	2	9	28	1	1	12	1	4	239	0.16	0.005	0.72	0.08	0.02	0.08	0
332862	2	5	4	0.2	10	12	0.5	0.5	0.5	0.34	2	2	2	2	3	1	1	2	1	1	99	0.02	0.005	0.33	0.02	0.01	0.01	0
332863	17	21	53	0.2	26	57	0.5	3	25	2.29	5	150	2	2	46	1	1	7	2	10	227	0.62	0.005	1.2	0.03	0.04	0.04	0
332864	22	57	58	0.9	40	80	0.5	1	7	2.61	4	15	6	2	33	1	1	9	1	8	78	0.05	0.005	0.56	0.02	0.005	0.05	0
332865	21	10	52	0.8	24	45	0.5	1	5	1.97	4	7	2	2	20	1	1	4	1	13	46	0.02	0.005	0.54	0.03	0.03	0.03	0
332866	22	29	53	0.5	26	99	0.5	1	6	1.95	8	8	2	2	18	1	1	5	1	18	60	0.04	0.005	0.37	0.005	0.005	0.04	0
332867	67	7	211	0.2	28	201	0.5	9	49	3.91	7	26	2	2	68	1	1	12	7	14	124	0.18	0.01	1.08	0.03	0.03	0.03	0
332868	106	10	251	0.2	23	401	1	10	61	5.75	15	36	2	14	134	1	1	22	15	22	180	0.44	0.03	1.01	0.09	0.005	0.05	0
332869	138	10	178	0.2	21	195	0.5	6	57	5.35	15	48	2	12	154	1	1	21	9	15	132	0.5	0.06	1.24	0.08	0.03	0.05	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
332870	61	13	67	0.2	23	261	0.5	2	16	3.93	10	28	2	2	101	1	1	22	4	14	151	0.16	0.03	0.67	0.03	0.04	0.06	0
332871	32	5	43	0.2	1	137	0.5	1	10	2.41	2	21	6	2	27	1	1	13	1	6	121	0.2	0.04	0.62	0.04	0.03	0.04	0
332872	50	66	84	0.2	17	408	2	32	16	3.04	2	34	2	7	40	1	1	18	2	6	4607	0.11	0.02	0.71	0.12	0.03	0.06	0
332873	38	11	58	0.2	11	265	1	19	11	1.65	5	17	2	5	22	1	1	16	2	6	2277	0.11	0.005	0.64	0.21	0.03	0.1	0
332874	44	13	72	0.4	22	192	0.5	7	14	3.23	3	22	2	2	37	1	1	19	3	10	396	0.3	0.03	0.91	0.04	0.03	0.07	0
332875	44	10	63	0.5	1	294	0.5	9	5	1.71	5	11	5	2	19	1	1	24	5	15	1278	0.04	0.005	0.65	0.1	0.03	0.08	0
332876	21	17	53	0.2	14	181	0.5	1	3	2.2	2	11	2	2	29	1	1	26	2	10	86	0.05	0.02	0.62	0.02	0.03	0.05	0
332877	30	11	92	0.4	14	238	0.5	1	12	3.29	5	25	2	7	33	1	1	28	2	15	225	0.23	0.05	0.63	0.05	0.03	0.1	0
332878	41	15	156	0.2	13	248	0.5	4	20	3.71	5	29	2	7	41	1	1	25	4	14	298	0.29	0.04	0.81	0.08	0.03	0.1	0
332879	34	21	150	0.2	3	271	0.5	5	17	2.98	3	19	2	2	34	1	1	18	4	11	304	0.29	0.03	0.68	0.07	0.03	0.09	0
332880	73	17	186	0.4	1	264	0.5	6	35	4.38	6	30	2	6	43	1	1	26	8	19	298	0.41	0.01	0.84	0.06	0.03	0.1	0
332881	43	18	117	0.4	13	198	0.5	6	24	3.9	5	29	2	2	42	1	1	14	4	11	396	0.39	0.06	0.93	0.05	0.03	0.1	0
332882	34	19	89	0.8	1	172	1	8	16	2.93	6	18	2	2	38	1	1	11	3	9	723	0.13	0.02	0.68	0.03	0.03	0.06	0
332883	61	16	112	0.4	23	207	2	7	31	3.77	4	24	2	2	33	1	1	18	6	15	172	0.3	0.03	0.74	0.03	0.03	0.06	0
332884	63	21	92	1.8	25	324	3	18	23	2.93	3	27	2	2	30	1	1	16	3	10	1988	0.11	0.01	0.77	0.1	0.03	0.07	0
332885	53	15	145	0.6	8	214	1	9	27	3.91	6	28	2	10	40	1	1	19	5	15	342	0.37	0.03	0.93	0.03	0.03	0.08	0
332886	40	18	134	0.7	8	229	1	15	26	3.18	4	23	2	2	34	1	1	22	4	13	504	0.28	0.02	0.63	0.15	0.03	0.1	0
332887	86	30	295	1.3	3	284	2	18	73	3.44	9	25	2	10	40	1	1	22	11	17	453	0.38	0.01	0.97	0.13	0.03	0.1	0
332888	91	31	412	1	9	181	2	22	75	4.43	10	21	2	2	43	1	1	21	13	19	683	0.4	0.005	1.05	0.05	0.005	0.06	0
332889	65	20	248	0.4	8	147	0.5	13	55	3.54	9	20	2	2	42	1	1	17	10	16	444	0.46	0.005	1.09	0.09	0.03	0.05	0
332890	114	22	350	0.2	1	326	2	78	72	5.06	10	24	2	2	49	1	1	39	30	33	1377	0.57	0.01	1.21	0.06	0.03	0.12	0
332891	75	19	227	0.2	29	309	1	17	49	4.17	7	33	2	2	44	1	1	31	13	24	471	0.55	0.02	1.06	0.09	0.005	0.07	0
332892	78	28	241	1.1	1	221	0.5	5	31	4.97	10	17	2	2	44	1	1	38	9	25	192	0.25	0.01	0.7	0.03	0.03	0.16	0
332893	102	29	282	0.9	27	251	0.5	12	42	5.02	15	17	2	2	55	1	1	34	11	26	341	0.48	0.02	1.01	0.04	0.005	0.17	0
332894	121	33	341	1.9	42	202	0.5	8	93	4.61	22	22	2	2	70	1	1	52	15	36	243	0.47	0.005	0.87	0.08	0.005	0.11	0
332895	174	53	488	2.3	65	420	1	12	94	6.66	23	16	2	2	68	1	1	48	24	37	490	0.47	0.01	1.03	0.14	0.03	0.15	0
332896	197	32	786	0.5	17	318	2	53	136	6.23	13	12	2	2	51	1	1	26	42	36	868	0.51	0.01	1.16	0.13	0.005	0.07	0
332897	101	30	315	0.4	39	264	0.5	21	57	4.77	11	22	2	2	46	1	1	31	17	23	472	0.59	0.03	1.25	0.07	0.01	0.06	0
332898	134	61	662	0.8	7	479	2	31	116	5.83	19	23	2	2	59	1	1	61	35	52	726	0.64	0.005	1.33	0.1	0.005	0.15	0
332899	86	96	403	1.4	39	213	0.5	8	45	4.51	33	19	2	2	62	1	1	34	15	34	285	0.3	0.005	0.91	0.03	0.03	0.12	0
332900	100	55	451	0.8	3	265	2	16	63	4.79	19	40	2	2	43	1	1	35	19	32	489	0.47	0.01	1.14	0.05	0.03	0.1	0
332901	171	31	478	1.5	41	284	1	12	64	5.61	20	22	2	2	61	1	1	40	24	31	404	0.68	0.01	1.3	0.05	0.03	0.07	0
332902	149	48	594	1.1	14	228	2	24	108	4.96	26	16	2	2	69	1	1	31	26	28	520	0.25	0.005	0.8	0.04	0.03	0.08	0
332903	121	34	246	1	42	308	1	18	39	5.06	12	51	2	2	56	1	1	36	14	25	516	0.78	0.03	1.37	0.03	0.01	0.07	0
332904	227	39	518	2.1	96	262	1	13	134	4.46	21	50	2	2	51	1	1	54	20	14	251	0.22	0.005	0.85	0.06	0.03	0.05	0
332905	321	16	408	1.5	83	219	3	21	133	4.98	26	46	2	2	48	1	1	98	31	18	486	0.13	0.005	0.97	0.05	0.005	0.08	0
332906	28	11	102	0.7	14	111	2	2	16	1.11	5	5	2	2	14	1	1	12	3	6	72	0.03	0.005	0.26	0.05	0.03	0.03	0
332907	145	31	287	3.6	97	259	1	6	87	3.82	27	17	2	2	43	1	1	72	21	24	119	0.16	0.005	0.66	0.09	0.03	0.1	0
332908	55	28	145	1.1	24	518	1	3	52	1.71	8	8	2	2	22	1	1	56	11	12	61	0.04	0.005	0.39	0.13	0.03	0.05	0
332909	52	32	193	1	31	95	0.5	3	34	2.24	5	8	2	2	25	1	1	27	5	13	124	0.05	0.005	0.48	0.03	0.03	0.05	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
332910	74	13	201	0.2	9	221	0.5	20	32	3.1	8	14	2	2	30	1	1	17	19	14	446	0.5	0.01	1.04	0.08	0.03	0.06	0
332912	166	40	344	1.5	36	218	1	5	73	3	18	14	2	2	42	1	1	28	26	23	203	0.39	0.005	0.89	0.11	0.03	0.05	0
332913	98	22	226	1.1	5	277	0.5	4	52	4.48	18	14	2	2	36	1	1	31	12	35	130	0.29	0.005	0.75	0.03	0.02	0.15	0
332914	157	32	389	1.8	66	273	3	9	99	4.33	26	19	2	2	67	1	1	38	22	26	156	0.18	0.005	0.84	0.08	0.03	0.08	0
332915	57	12	111	0.6	33	89	0.5	4	37	3.59	10	25	2	2	56	1	1	13	4	8	121	0.24	0.02	0.81	0.06	0.02	0.03	0
332916	39	17	85	0.4	24	141	0.5	2	20	1.68	6	11	2	2	32	1	1	11	4	8	44	0.02	0.005	0.63	0.05	0.03	0.02	0
332917	53	7	56	0.5	13	205	0.5	3	16	1.41	7	10	2	6	19	1	1	9	12	9	145	0.08	0.005	0.86	0.04	0.03	0.02	0
332918	36	10	71	0.2	16	164	0.5	3	13	1.58	6	7	2	5	27	1	1	11	7	11	111	0.03	0.005	0.44	0.03	0.03	0.03	0
332919	44	19	128	0.2	4	163	0.5	6	24	2.76	5	21	2	2	54	1	1	10	5	11	696	0.04	0.005	0.7	0.04	0.03	0.03	0
332920	60	18	171	0.4	29	165	0.5	8	39	3.85	8	27	2	2	48	1	1	20	9	15	253	0.34	0.02	0.81	0.08	0.03	0.04	0
332921	47	18	158	0.2	4	107	0.5	5	33	2.65	9	16	2	2	44	1	1	12	6	13	190	0.12	0.005	0.67	0.03	0.03	0.03	0
332922	42	19	166	0.4	4	100	0.5	7	34	2.57	7	17	2	2	34	1	1	13	8	10	245	0.26	0.005	0.88	0.12	0.03	0.03	0
332923	27	10	89	0.7	2	72	0.5	2	19	1.18	6	5	2	7	23	1	1	9	3	8	54	0.02	0.005	0.4	0.03	0.03	0.005	0
332924	61	29	273	0.6	34	157	0.5	7	47	3.29	9	18	2	2	53	1	1	16	8	12	673	0.19	0.005	0.61	0.11	0.03	0.07	0
332925	53	20	280	0.8	2	118	1	7	56	3.1	7	27	2	2	44	1	1	14	8	12	253	0.33	0.01	0.84	0.1	0.005	0.06	0
332926	70	29	323	1	29	245	3	16	56	3.63	10	23	2	8	47	1	1	18	9	13	747	0.27	0.005	0.8	0.1	0.02	0.06	0
332927	45	15	151	0.5	1	339	3	14	23	2.29	7	20	2	2	24	1	1	15	4	9	1660	0.15	0.005	0.56	0.04	0.03	0.06	0
332928	53	44	120	0.7	14	150	0.5	4	24	2.95	9	19	2	2	42	1	1	17	5	11	468	0.09	0.005	0.78	0.03	0.03	0.04	0
332929	56	12	24	0.2	31	293	0.5	6	12	1.43	5	13	2	6	13	1	1	110	37	34	486	0.15	0.005	0.92	2.5	0.03	0.05	0
360040	9	4	11	0.2	3	71	0.5	2	4	0.83	1	7	2	2	11	1	1	7	2	9	34	0.12	0.02	0.52	0.06	0.02	0.11	0
360041	27	31	73	0.2	1	110	0.5	12	28	4.07	6	39	2	2	43	1	1	22	8	17	265	1.09	0.13	2.45	0.27	0.04	0.55	0
360042	35	8	67	0.2	1	129	0.5	16	30	4.36	6	36	2	10	49	1	1	8	6	8	262	0.97	0.1	2.65	0.1	0.005	0.73	0
360043	10	5	58	0.2	21	63	0.5	4	10	1.95	2	14	2	2	31	1	1	4	13	22	252	0.46	0.04	1.03	0.13	0.005	0.2	0
360044	11	5	46	0.2	21	58	0.5	4	9	2.2	5	16	2	2	32	1	1	3	11	18	329	0.41	0.01	1.16	0.06	0.02	0.14	0
360045	17	2	52	0.2	17	190	0.5	10	20	2.88	3	50	2	2	48	1	1	9	11	13	388	1.19	0.11	1.67	0.22	0.005	0.62	0
360046	15	7	64	0.2	1	86	0.5	8	12	2.43	5	26	2	2	40	1	1	5	5	8	495	0.59	0.1	1.09	0.09	0.02	0.27	0
360047	21	7	53	0.2	1	133	0.5	6	14	2.76	7	41	2	2	52	1	1	7	8	14	283	0.67	0.16	1.35	0.09	0.03	0.17	0
360048	14	4	52	0.2	17	277	0.5	5	8	2.74	5	19	2	2	58	1	1	7	9	13	425	0.45	0.16	0.97	0.09	0.02	0.28	0
360049	27	2	70	0.2	11	277	0.5	14	19	4.33	8	53	2	2	86	1	1	10	24	34	556	1.55	0.23	2.4	0.27	0.01	1	0
360050	30	2	69	0.2	7	232	0.5	12	26	3.79	5	72	2	9	74	1	1	29	8	13	387	1.4	0.24	2.16	0.29	0.03	0.7	0
360051	15	2	72	0.2	9	131	0.5	11	29	4.03	6	86	2	2	76	1	1	10	10	10	442	1.5	0.21	2.14	0.21	0.02	0.65	0
360052	11	2	50	0.2	16	90	0.5	5	8	3.77	8	21	2	8	78	1	1	5	8	20	317	0.92	0.24	1.94	0.11	0.02	0.49	0
360053	22	2	82	0.2	16	277	0.5	11	13	4.41	7	40	2	2	90	1	1	9	14	35	543	1.55	0.28	2.5	0.25	0.01	1.23	0
360054	25	2	70	0.2	32	370	0.5	7	9	3.3	8	25	2	2	63	1	1	20	23	47	516	0.9	0.1	1.7	0.35	0.03	0.62	0
360055	16	2	71	0.2	6	145	0.5	9	13	3.88	6	33	2	2	80	1	1	9	9	22	419	1.31	0.22	2.25	0.24	0.03	0.69	0
360057	69	14	177	0.2	10	299	0.5	12	10	4.39	9	26	2	8	72	1	1	11	12	31	883	1.21	0.24	2.18	0.2	0.03	1.02	0
360058	330	76	529	0.7	7	594	1	12	9	5.85	8	31	2	2	79	1	1	18	9	29	656	2.03	0.27	3.14	0.45	0.04	1.41	0
360059	28	2	89	0.2	32	243	0.5	15	18	5.55	7	53	5	8	127	1	1	16	12	15	994	1.93	0.4	2.94	0.46	0.03	1.36	0
360060	32	2	63	0.2	1	310	1	13	15	4.93	6	50	2	2	111	1	1	25	16	21	962	1.62	0.35	2.82	0.4	0.03	0.89	0
360061	83	2	198	0.2	19	229	0.5	12	11	5.38	10	35	2	2	93	1	1	13	11	17	1141	1.66	0.39	2.76	0.52	0.01	1.45	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
360062	17	5	117	0.2	1	174	0.5	8	8	4.54	5	24	2	2	85	1	1	10	9	13	1488	1.05	0.25	2.21	0.21	0.03	0.92	0
360063	32	10	222	0.2	1	307	1	12	14	5.33	9	36	2	2	92	1	1	20	13	23	1505	1.7	0.38	2.64	0.49	0.03	1.46	0
360065	18	16	146	0.2	1	156	0.5	9	8	4.54	6	22	2	5	75	1	1	10	10	15	804	1.29	0.3	2.21	0.37	0.03	1.15	0
360066	23	14	159	0.2	34	150	0.5	10	8	5.38	6	26	2	2	86	1	1	5	16	20	786	1.53	0.36	2.9	0.22	0.03	1.29	0
360067	29	17	195	0.2	1	181	0.5	9	10	4.7	5	31	2	2	81	1	1	9	26	32	740	1.66	0.35	2.75	0.34	0.01	1.36	0
360068	29	15	212	0.2	22	162	0.5	9	11	5.12	6	31	2	13	85	1	1	7	17	22	744	1.82	0.42	2.99	0.25	0.01	1.44	0
360069	19	9	111	0.2	5	138	0.5	9	10	4.92	6	37	2	7	91	1	1	9	12	16	709	1.29	0.25	2.92	0.23	0.03	0.39	0
360070	19	27	198	0.2	11	62	0.5	12	14	5.31	7	52	2	2	112	1	1	4	11	10	691	0.7	0.3	1.86	0.08	0.03	0.97	0
360071	25	20	218	0.2	15	88	0.5	9	10	5.86	4	37	2	2	104	1	1	4	11	12	598	0.67	0.2	1.86	0.07	0.03	0.78	0
360072	16	13	179	0.2	17	88	0.5	9	7	4.19	7	22	2	2	62	1	1	8	25	28	758	0.72	0.17	1.41	0.29	0.005	0.53	0
360073	18	15	165	0.2	19	115	0.5	9	9	5.21	9	27	2	2	67	1	1	11	33	55	954	0.72	0.05	1.89	0.3	0.03	0.35	0
360074	49	40	383	0.2	1	60	1	11	15	6.64	14	50	2	2	116	1	1	6	16	12	967	1.04	0.36	2.09	0.1	0.03	1.22	0
360075	31	14	154	0.2	48	104	0.5	10	12	5.02	6	38	2	6	95	1	1	6	22	34	905	1.09	0.22	2.01	0.16	0.03	0.93	0
360076	8	8	38	0.2	1	63	0.5	3	2	1.11	5	5	2	2	21	1	1	4	4	8	1077	0.15	0.01	0.52	0.08	0.03	0.14	0
360077	7	14	23	0.2	1	32	0.5	3	1	0.88	4	5	2	2	16	1	1	4	5	10	543	0.09	0.01	0.66	0.04	0.05	0.06	0
360078	31	48	190	0.2	10	76	0.5	11	15	4.89	7	47	2	2	87	1	1	4	10	18	701	1.22	0.23	2.52	0.11	0.02	0.61	0
360079	29	21	140	0.2	11	117	0.5	6	6	2.55	5	10	2	2	44	1	1	7	7	16	1358	0.28	0.1	0.78	0.19	0.03	0.29	0
360080	17	27	122	0.2	12	61	1	8	7	3.03	3	16	2	2	54	1	1	6	7	9	562	0.34	0.12	0.96	0.14	0.03	0.44	0
360081	27	16	284	0.2	1	93	0.5	15	22	6.7	10	68	2	11	124	1	1	8	21	19	965	1.5	0.38	2.99	0.18	0.02	1.34	0
360082	19	25	249	0.2	1	147	3	13	12	5.61	6	53	2	5	119	1	1	8	9	9	3550	1.22	0.45	2.08	0.17	0.005	1.5	0
360083	21	32	278	0.2	11	97	3	11	8	2.23	5	15	2	2	35	1	1	16	13	18	2273	0.18	0.01	0.41	0.7	0.03	0.23	0
360084	26	96	114	0.2	42	108	0.5	6	6	2.01	16	2	2	2	7	1	1	10	36	82	559	0.11	0.005	0.74	0.12	0.01	0.3	0
360085	28	125	76	0.2	10	143	0.5	6	9	1.86	16	6	2	2	11	1	1	34	26	57	532	0.19	0.005	0.73	0.36	0.03	0.26	0
360086	29	174	147	0.4	23	108	0.5	6	8	1.82	13	2	2	2	8	1	1	25	36	72	208	0.2	0.005	0.52	0.21	0.01	0.25	0
360087	22	49	85	0.2	22	121	0.5	3	2	2.45	9	2	2	2	10	1	1	24	8	25	233	0.06	0.005	0.93	0.04	0.02	0.14	0
360088	7	12	13	0.2	10	29	0.5	0.5	0.5	0.47	5	2	2	2	4	1	1	7	4	14	58	0.04	0.005	0.71	0.07	0.02	0.04	0
360089	87	67	151	0.2	33	145	0.5	18	45	3.67	10	21	2	2	24	1	1	28	15	34	1501	0.69	0.005	1.27	0.39	0.005	0.12	0
360090	183	44	180	0.2	15	462	0.5	46	94	6.26	18	62	2	2	48	1	1	126	28	66	1355	1.38	0.09	1.87	0.53	0.005	0.36	0
360091	174	56	306	0.2	56	351	1	31	99	5.9	19	67	2	2	57	1	1	95	31	60	3509	1.68	0.03	1.84	0.91	0.005	0.2	0
360092	216	167	160	2.3	9	426	0.5	1	14	4.49	17	9	7	2	17	1	1	77	8	46	233	0.23	0.005	0.62	0.16	0.03	0.27	0
360093	294	373	343	5.4	49	457	0.5	17	51	6.74	21	33	2	2	48	1	1	111	35	45	1090	0.67	0.005	1.07	1.92	0.005	0.27	0
360094	252	266	105	8.8	8	205	0.5	0.5	15	4.98	60	13	8	2	43	1	1	35	10	49	87	0.16	0.005	0.33	0.2	0.01	0.15	0
360095	159	72	25	0.5	33	82	0.5	0.5	3	6.55	32	5	2	2	34	1	1	30	2	20	117	0.48	0.11	0.64	0.03	0.01	0.09	0
360096	57	294	45	1.4	46	256	0.5	0.5	6	4.87	17	11	22	2	32	1	1	26	2	14	182	0.43	0.05	0.51	0.01	0.01	0.09	0
360097	80	221	72	1.4	31	43	0.5	6	13	4.36	17	13	2	2	10	1	1	20	15	36	335	0.39	0.08	0.88	0.07	0.03	0.07	0
360100	78	54	92	0.2	28	72	0.5	12	13	3.06	15	5	2	2	10	1	1	56	18	57	313	0.14	0.02	0.74	0.04	0.04	0.15	0
360101	81	368	182	1.1	37	53	0.5	12	18	2.85	8	10	2	5	10	1	1	23	10	28	500	0.34	0.01	1.12	0.08	0.01	0.13	0
360102	66	107	85	0.6	27	116	0.5	8	15	5.14	9	18	7	2	14	1	1	55	13	47	362	0.54	0.04	1.17	0.03	0.03	0.2	0
361025	21	88	109	0.2	46	251	0.5	4	5	2.34	4	12	2	2	18	1	1	19	8	12	428	0.41	0.005	1.18	0.65	0.005	0.04	0
361026	12	16	17	0.2	1	71	0.5	1	0.5	0.42	4	2	2	2	4	1	5	9	4	10	165	0.03	0.005	0.76	0.26	0.04	0.01	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
361027	10	12	37	0.2	1	85	0.5	3	3	1.98	3	12	2	2	44	1	2	10	1	5	216	0.19	0.01	0.77	0.08	0.03	0.04	0
361028	18	37	70	0.2	25	248	0.5	6	8	2.66	3	21	2	2	34	1	1	14	7	12	347	0.62	0.005	1.32	0.36	0.005	0.05	0
361029	4	5	11	0.2	3	36	0.5	0.5	0.5	0.53	4	2	2	2	7	1	3	4	1	2	87	0.04	0.005	0.49	0.05	0.03	0.02	0
361030	12	19	28	0.2	9	193	0.5	5	3	0.93	5	4	2	2	12	2	2	8	2	6	1869	0.06	0.005	0.43	0.2	0.03	0.05	0
361031	7	7	19	0.2	1	51	0.5	2	1	0.99	6	2	2	2	15	1	3	3	1	3	274	0.07	0.01	0.54	0.03	0.02	0.03	0
361032	13	19	33	0.2	1	92	0.5	3	2	1.95	3	5	2	2	27	1	5	5	2	7	729	0.13	0.01	0.84	0.05	0.03	0.05	0
361033	9	10	32	0.2	2	134	0.5	3	3	2.42	2	5	2	2	30	1	5	5	3	8	417	0.24	0.02	1.4	0.06	0.03	0.04	0
361034	13	11	63	0.2	6	271	0.5	6	3	2.93	3	6	2	2	31	1	2	7	4	10	901	0.43	0.01	1.19	0.1	0.03	0.05	0
361035	18	13	66	0.2	11	201	0.5	7	9	3.26	7	10	2	2	34	1	4	10	13	27	915	0.49	0.02	1.7	0.45	0.03	0.07	0
361036	17	20	113	0.2	69	93	0.5	14	60	3.43	12	31	2	2	46	1	1	73	18	18	1056	1.79	0.005	1.46	5.7	0.005	0.01	0
361037	29	26	73	0.2	60	250	0.5	23	17	4.18	6	23	2	2	16	1	1	8	24	41	1042	0.79	0.005	1.25	0.41	0.005	0.06	0
361038	12	13	64	0.2	21	150	0.5	7	4	3.15	6	7	2	2	36	1	4	7	6	19	1299	0.45	0.02	1.65	0.14	0.03	0.08	0
361039	20	12	53	0.2	4	83	0.5	5	2	3.02	3	4	2	2	39	1	1	7	2	5	904	0.43	0.04	1.2	0.11	0.03	0.09	0
361040	7	6	14	0.2	6	44	0.5	2	1	0.99	1	2	2	2	13	4	3	3	1	2	1099	0.07	0.02	0.53	0.03	0.03	0.02	0
361041	34	13	48	0.2	1	107	0.5	4	3	3.34	6	4	2	2	48	1	4	11	2	5	808	0.41	0.05	1.01	0.27	0.03	0.09	0
361042	26	9	52	0.2	1	60	0.5	5	3	3.34	5	5	2	6	32	1	2	5	6	15	498	0.66	0.03	1.8	0.11	0.03	0.05	0
361043	12	11	30	0.2	1	50	0.5	2	2	2.31	5	4	2	5	33	1	1	3	2	5	343	0.14	0.03	1.06	0.03	0.03	0.05	0
361044	10	5	22	0.2	1	53	0.5	2	2	1.31	4	2	2	2	21	1	4	5	5	20	234	0.08	0.005	1.03	0.06	0.03	0.02	0
361045	43	13	38	0.2	1	133	0.5	5	5	2.5	9	10	2	7	37	1	3	14	12	37	473	0.34	0.005	1.54	0.33	0.03	0.03	0
361046	12	5	24	0.2	3	49	0.5	1	2	1.32	5	2	2	2	22	1	1	6	2	6	147	0.06	0.005	1.23	0.05	0.03	0.03	0
361047	20	9	52	0.2	24	88	0.5	6	4	3.25	5	7	2	8	38	1	2	7	3	5	1240	0.42	0.02	1.27	0.16	0.03	0.12	0
361048	14	8	49	0.2	2	218	0.5	7	5	2.49	10	7	2	2	22	1	3	11	13	28	574	0.58	0.005	1.56	0.47	0.02	0.08	0
361049	13	11	186	0.2	14	47	1	2	6	1.01	4	7	5	2	11	3	1	42	27	24	196	5.52	0.005	0.89	11.78	0.02	0.04	0
361050	50	9	59	0.2	13	80	0.5	9	3	3.02	6	6	2	2	32	1	2	11	7	17	768	0.9	0.005	1.67	0.3	0.03	0.05	0
361051	40	7	54	0.2	1	125	0.5	8	4	2.43	4	6	2	2	27	1	3	11	6	18	735	0.61	0.005	1.3	0.3	0.03	0.05	0
361052	22	41	74	0.2	78	47	0.5	5	1	3.08	6	2	2	2	1	1	1	3	7	8	531	0.05	0.005	0.42	0.13	0.005	0.03	0
361053	54	17	57	0.2	32	179	0.5	9	4	2.7	8	7	2	2	31	1	1	22	22	50	537	0.79	0.005	1.52	0.97	0.03	0.04	0
361054	41	13	91	0.2	4	66	0.5	9	18	2.81	10	11	2	2	27	1	1	9	9	15	625	0.5	0.005	1.48	0.13	0.03	0.06	0
361055	10	19	36	0.2	27	48	0.5	2	3	1.45	5	4	7	2	7	1	5	4	3	7	187	0.13	0.005	0.55	0.03	0.03	0.01	0
361056	32	21	84	0.2	30	57	0.5	6	14	3.17	9	11	2	2	22	1	3	7	3	7	300	0.25	0.005	1.05	0.02	0.005	0.04	0
361057	18	13	51	0.2	20	47	0.5	2	8	2.22	5	6	2	2	21	1	4	5	1	8	89	0.13	0.005	0.55	0.01	0.02	0.02	0
361058	23	27	67	0.2	28	91	0.5	5	7	2.65	7	9	2	2	22	1	1	8	3	6	712	0.15	0.005	0.88	0.04	0.02	0.05	0
361059	30	44	10	0.9	137	197	0.5	0.5	0.5	4.25	14	11	7	2	32	1	4	25	1	6	41	0.07	0.005	0.51	0.01	0.03	0.25	0
361060	126	25	39	8.8	37	20	0.5	1	8	2.27	7	6	2	2	11	1	6	3	11	7	75	0.11	0.005	1.67	0.03	0.03	0.02	0
361061	49	35	32	0.5	79	84	0.5	0.5	4	4.52	8	10	2	2	17	1	4	7	1	4	74	0.16	0.005	0.76	0.005	0.005	0.05	0
361062	76	75	25	0.7	55	66	0.5	0.5	3	3.69	7	7	2	7	10	1	2	5	5	7	97	0.21	0.005	1.12	0.005	0.005	0.06	0
361063	27	49	47	0.2	44	43	0.5	1	3	3.07	5	4	2	2	6	1	3	5	2	9	236	0.16	0.005	0.48	0.005	0.005	0.04	0
361064	36	77	55	0.2	41	52	0.5	2	5	3.04	9	5	2	2	7	1	2	9	2	8	251	0.21	0.005	0.58	0.01	0.005	0.05	0
361065	23	50	39	0.2	63	54	0.5	0.5	2	2.51	7	4	6	2	7	1	2	4	3	10	106	0.2	0.005	0.75	0.005	0.005	0.02	0
361066	55	103	110	0.2	24	63	0.5	2	9	3.41	8	12	2	2	13	2	4	9	4	15	294	0.5	0.005	1.1	0.01	0.005	0.05	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
361067	53	49	76	0.5	43	74	0.5	3	15	3.69	8	7	2	2	13	1	1	6	3	10	116	0.17	0.005	0.71	0.005	0.005	0.04	0
361068	34	19	66	0.2	17	43	0.5	4	14	2.12	4	6	2	2	11	1	2	4	2	8	105	0.16	0.005	0.51	0.01	0.01	0.03	0
361069	36	24	73	0.2	27	42	0.5	4	13	2.75	6	6	2	2	22	2	2	4	2	10	116	0.06	0.005	0.57	0.01	0.02	0.03	0
361070	56	37	132	0.4	53	116	0.5	5	23	3.73	7	6	2	2	10	1	2	10	2	12	98	0.12	0.005	0.44	0.005	0.005	0.09	0
361071	28	41	69	0.2	43	42	0.5	3	12	3.25	8	9	2	2	28	1	1	4	1	7	120	0.1	0.01	0.48	0.01	0.005	0.03	0
361072	25	26	48	0.2	19	45	0.5	2	7	3.02	4	7	2	2	46	1	3	3	1	8	103	0.07	0.02	0.62	0.03	0.02	0.03	0
361073	55	35	107	0.2	86	81	0.5	6	26	3.31	10	5	2	2	12	1	1	8	2	9	129	0.06	0.005	0.29	0.005	0.005	0.07	0
361074	44	39	88	0.7	80	74	0.5	3	11	3.39	9	6	2	2	10	1	2	7	2	16	78	0.13	0.005	0.39	0.005	0.005	0.05	0
361075	72	62	154	0.2	81	66	0.5	8	34	4	10	5	2	2	10	1	4	7	2	11	153	0.09	0.005	0.4	0.005	0.005	0.06	0
361076	68	69	157	0.2	44	81	0.5	8	30	4.33	9	6	2	2	11	1	1	8	3	15	152	0.19	0.005	0.48	0.005	0.005	0.06	0
361077	45	59	78	0.9	108	51	0.5	3	14	4.06	6	6	2	2	12	1	3	5	2	12	75	0.16	0.005	0.39	0.005	0.005	0.06	0
361078	43	100	88	0.2	72	88	0.5	2	10	3.79	5	10	2	2	17	1	2	6	1	9	80	0.19	0.005	0.4	0.005	0.005	0.04	0
361079	47	128	125	0.8	50	117	0.5	3	10	4.46	9	10	5	2	18	1	1	8	2	14	93	0.19	0.005	0.36	0.005	0.005	0.04	0
361080	95	23	244	0.2	58	234	1	22	83	4.69	5	43	2	10	27	1	1	14	11	13	581	0.45	0.005	0.83	0.13	0.005	0.07	0
361081	38	44	152	0.6	113	90	0.5	6	23	3.76	5	2	2	2	9	1	3	14	2	13	92	0.005	0.005	0.16	0.005	0.005	0.04	0
361082	31	30	102	0.6	61	37	0.5	3	15	3.06	6	4	2	2	12	1	2	4	2	14	65	0.03	0.005	0.34	0.01	0.01	0.02	0
361083	29	32	116	0.2	83	56	0.5	4	19	2.95	8	2	2	2	7	1	1	6	2	16	79	0.01	0.005	0.25	0.01	0.005	0.04	0
361084	49	49	63	0.5	33	146	0.5	0.5	5	3.67	9	9	2	2	8	1	2	13	2	33	77	0.25	0.005	0.57	0.005	0.005	0.1	0
361085	35	27	54	0.6	51	970	0.5	1	3	3.72	8	5	2	2	7	1	1	23	2	25	69	0.11	0.005	0.37	0.005	0.005	0.14	0
361086	51	19	67	0.2	29	146	0.5	3	9	3.22	7	9	2	2	11	1	2	10	4	25	103	0.22	0.005	0.58	0.01	0.005	0.09	0
361087	51	17	66	0.2	5	79	0.5	3	12	3.35	7	12	6	6	16	1	2	8	3	19	157	0.22	0.005	0.72	0.01	0.005	0.05	0
361088	40	20	56	0.2	19	247	0.5	2	8	2.98	7	8	2	2	11	1	1	29	3	21	135	0.17	0.005	0.55	0.03	0.005	0.09	0
361089	38	19	48	0.2	1	319	0.5	2	8	3.03	6	8	2	2	11	1	1	33	2	26	73	0.15	0.005	0.49	0.02	0.02	0.08	0
361090	57	6	83	0.2	39	318	0.5	31	134	3.54	10	68	2	2	32	1	2	21	16	20	945	0.93	0.005	1.22	0.53	0.03	0.03	0
361091	157	4	140	0.2	1	393	0.5	78	229	8.47	8	89	2	2	60	1	1	20	26	30	1977	1.9	0.005	1.79	0.65	0.005	0.01	0
361092	93	6	131	0.2	1	231	0.5	35	123	4.55	6	118	2	8	75	3	1	10	8	12	683	2	0.05	2.22	0.2	0.005	0.05	0
361093	83	36	87	0.2	22	193	0.5	79	180	3.97	5	119	2	5	45	1	1	11	4	5	752	1.38	0.07	1.68	0.3	0.005	0.19	0
361094	28	17	68	0.2	18	140	0.5	6	27	2.51	8	32	2	2	40	1	2	7	2	7	146	0.27	0.01	0.69	0.07	0.03	0.04	0
361095	19	7	38	0.2	18	67	0.5	2	7	0.95	3	2	2	2	17	1	1	3	3	6	178	0.03	0.005	0.54	0.02	0.03	0.03	0
361233	14	8	64	0.2	9	83	0.5	6	9	2.69	2	20	2	2	43	1	1	4	9	16	306	0.75	0.11	1.46	0.12	0.005	0.34	0
361234	1	2	4	0.2	1	19	0.5	0.5	0.5	0.24	2	2	5	2	4	1	1	3	3	4	15	0.04	0.005	0.33	0.03	0.02	0.02	0
361235	6	7	9	0.2	1	65	0.5	3	3	0.73	5	4	2	2	10	1	1	11	13	18	740	0.08	0.005	0.62	0.2	0.03	0.04	0
361236	6	9	28	0.2	1	43	0.5	3	4	2.27	1	13	2	2	55	1	1	3	4	9	228	0.33	0.1	1.07	0.04	0.005	0.06	0
361237	19	11	92	0.2	17	89	0.5	9	20	4.43	2	40	2	2	80	1	1	7	7	9	430	0.91	0.17	1.93	0.1	0.005	0.21	0
361238	6	7	34	0.2	16	40	0.5	3	5	3.06	3	15	2	9	46	1	1	2	5	8	161	0.44	0.1	1.57	0.05	0.005	0.12	0
361239	12	6	49	0.2	4	71	0.5	4	9	3.11	2	18	2	5	51	1	1	3	5	6	196	0.55	0.11	1.24	0.05	0.03	0.2	0
361265	10	8	47	0.2	8	65	0.5	4	5	3.3	1	16	2	2	56	1	1	3	4	4	177	0.55	0.14	1.24	0.05	0.02	0.11	0
361266	9	8	50	0.2	1	49	0.5	3	4	2.17	3	10	2	2	41	1	1	3	2	5	182	0.41	0.14	1	0.05	0.03	0.3	0
361267	13	4	54	0.2	2	168	0.5	3	8	1.05	1	9	5	2	16	1	1	23	7	8	1340	0.26	0.02	0.93	0.77	0.05	0.12	0
361268	15	11	86	0.2	10	79	0.5	6	7	3.11	3	22	2	2	58	1	1	5	7	14	383	0.79	0.1	1.68	0.13	0.04	0.4	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
361269	11	2	7	0.2	3	17	0.5	0.5	0.5	0.27	1	2	2	2	5	1	1	2	1	1	36	0.03	0.005	0.11	0.02	0.04	0.03	0
361270	15	21	136	0.2	18	117	0.5	8	7	3.66	2	25	2	7	79	1	1	4	6	10	1599	0.64	0.14	1.35	0.05	0.03	0.56	0
361271	22	8	118	0.2	9	234	0.5	8	9	3.53	8	23	2	2	63	1	1	55	60	51	528	0.86	0.11	1.94	1.59	0.03	0.65	0
361272	17	7	23	0.2	25	488	0.5	16	6	1.34	36	9	2	2	18	1	1	87	133	189	4545	0.18	0.01	1.75	1.97	0.04	0.08	0
361273	5	2	21	0.2	2	38	0.5	1	0.5	0.68	1	2	2	2	10	1	1	5	4	7	137	0.11	0.01	0.4	0.1	0.05	0.09	0
361274	24	8	24	0.2	9	52	0.5	1	4	1.12	5	5	2	2	21	1	1	5	4	10	132	0.16	0.01	0.62	0.06	0.04	0.07	0
361275	5	7	36	0.2	18	55	0.5	2	6	2.32	1	12	2	6	56	1	1	3	5	7	109	0.21	0.03	1.06	0.05	0.02	0.08	0
361276	10	10	45	0.2	1	42	0.5	4	8	1.32	5	9	2	2	35	1	1	5	18	19	194	0.22	0.02	0.44	0.42	0.005	0.05	0
361277	7	14	45	0.2	25	47	0.5	3	8	1.93	4	15	2	2	36	1	1	2	5	7	184	0.25	0.02	0.95	0.04	0.005	0.06	0
361278	13	11	64	0.2	16	59	0.5	5	14	1.93	5	18	2	2	36	1	1	4	11	14	258	0.43	0.03	0.92	0.21	0.005	0.1	0
361279	14	6	111	0.2	1	108	0.5	4	9	2.08	12	15	2	2	28	1	1	25	62	56	671	0.41	0.01	1.72	0.78	0.04	0.18	0
361280	6	10	52	0.2	1	71	0.5	4	9	2.26	4	25	2	2	41	1	1	2	5	8	250	0.38	0.04	1.16	0.04	0.005	0.1	0
361281	13	11	46	0.2	8	74	0.5	2	8	1.44	8	8	2	2	52	1	1	3	4	9	94	0.11	0.01	0.51	0.05	0.02	0.09	0
361282	15	7	196	0.2	9	109	0.5	5	10	2.79	2	18	2	6	40	1	1	28	19	19	367	0.68	0.07	1.65	1.08	0.03	0.41	0
361283	14	16	168	0.2	8	121	0.5	7	20	3.01	4	37	2	2	47	1	1	12	16	20	495	0.86	0.08	1.52	0.44	0.005	0.32	0
361284	41	10	163	0.2	40	273	1	10	23	5.57	19	36	2	2	94	2	1	33	184	150	688	0.99	0.12	2.35	1.22	0.03	0.78	0
361285	12	4	45	0.2	1	171	0.5	2	10	1.05	5	9	2	7	14	1	1	5	20	27	110	0.18	0.01	1.01	0.08	0.03	0.11	0
361286	9	7	46	0.2	6	80	0.5	2	6	1	3	9	2	2	15	1	1	10	5	7	122	0.22	0.02	0.54	0.23	0.04	0.1	0
361287	11	16	79	0.7	12	66	0.5	4	12	2.22	3	23	2	2	40	1	1	4	4	9	201	0.41	0.05	0.99	0.07	0.02	0.11	0
361288	11	12	15	0.2	1	33	0.5	0.5	2	0.55	4	7	2	2	11	1	1	4	2	7	46	0.05	0.005	0.4	0.04	0.03	0.03	0
361289	19	31	140	0.2	1	110	0.5	7	21	4.08	3	47	2	2	62	1	1	5	7	12	594	0.76	0.04	1.93	0.1	0.02	0.21	0
361290	20	15	127	0.2	16	194	0.5	8	19	3.25	7	33	2	2	50	1	1	12	27	38	450	0.8	0.06	1.83	0.24	0.01	0.27	0
361291	24	20	209	0.2	1	369	0.5	11	24	5.22	14	50	2	5	86	1	1	16	30	49	519	1.24	0.09	3.3	0.3	0.03	0.72	0
361292	25	22	147	0.2	20	99	0.5	8	12	5.23	9	36	2	6	115	1	1	4	8	9	670	1.02	0.25	2.12	0.06	0.03	0.61	0
361293	24	13	161	0.2	19	179	0.5	12	12	4.33	7	33	2	2	73	1	1	13	28	43	1274	1.21	0.18	1.93	0.46	0.03	0.82	0
361294	24	12	131	0.2	1	155	1	9	10	4.3	3	30	2	7	88	1	1	9	7	8	558	1.09	0.23	1.84	0.16	0.02	0.85	0
361295	13	14	94	0.2	31	133	0.5	6	9	3.25	6	22	2	9	55	1	1	9	8	11	360	0.69	0.09	1.37	0.2	0.005	0.24	0
361296	60	35	221	0.2	6	364	0.5	8	25	3.83	14	36	2	2	64	1	1	38	48	84	606	0.55	0.02	1.77	0.78	0.03	0.36	0
361297	29	17	107	0.2	10	476	4	11	17	1.84	20	10	2	2	22	1	1	48	39	54	5406	0.22	0.01	1	2.69	0.03	0.17	0
361298	13	2	85	0.6	1	1415	1	14	15	9.08	11	14	2	2	1	1	1	52	18	27	112200	0.09	0.005	0.35	2.13	0.03	0.09	0
361299	30	7	151	0.2	35	459	1	4	11	13.23	50	9	2	2	17	1	1	25	60	32	2427	0.21	0.01	0.65	1.35	0.03	0.17	0
361300	24	5	168	0.2	6	240	3	2	13	0.91	8	7	2	2	9	1	1	61	13	16	1015	0.26	0.005	0.64	2.9	0.03	0.11	0
361301	13	17	64	0.2	7	170	0.5	2	5	1.04	3	6	2	2	14	1	1	12	6	12	347	0.1	0.005	0.67	0.28	0.04	0.04	0
361302	8	10	37	0.2	6	46	0.5	3	12	2.11	2	25	2	5	39	1	1	2	3	7	160	0.26	0.01	0.91	0.04	0.02	0.03	0
361303	75	29	138	0.2	22	266	3	7	19	1.59	25	12	2	2	15	1	1	22	178	222	1090	0.2	0.005	1.82	0.95	0.04	0.07	0
361304	13	16	39	0.2	1	124	2	4	5	0.99	2	8	2	2	35	1	1	7	14	20	696	0.1	0.03	0.42	0.33	0.03	0.04	0
361305	27	49	298	0.2	1	208	3	15	16	3.81	5	28	2	11	55	4	1	7	9	11	1032	0.8	0.09	1.2	0.3	0.03	0.46	0
361306	112	124	99	0.7	28	139	0.5	2	15	3.79	12	13	8	2	16	1	1	29	5	28	281	0.41	0.005	0.67	0.13	0.02	0.14	0
361307	36	58	60	0.2	19	89	0.5	5	4	1.91	3	5	2	2	12	1	1	13	5	14	596	0.23	0.005	0.77	0.04	0.03	0.14	0
361308	120	63	51	0.2	1	189	0.5	2	1	3.47	9	2	2	2	10	1	1	46	3	40	197	0.37	0.04	0.74	0.01	0.02	0.23	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
361309	217	8	138	0.2	20	143	0.5	23	11	2.5	8	4	2	2	21	1	1	11	27	26	1482	1.29	0.02	1.54	0.16	0.005	0.26	0
361310	230	29	109	0.2	31	367	0.5	23	28	2.89	8	11	2	6	20	1	1	48	15	25	785	1.09	0.04	1.19	0.3	0.01	0.24	0
361311	58	22	45	0.2	38	239	0.5	7	2	1.87	7	7	2	2	18	1	1	31	23	25	368	0.34	0.005	0.74	0.4	0.005	0.13	0
361312	21	34	60	0.2	37	101	0.5	4	2	1.95	8	2	2	5	16	1	1	11	18	18	504	0.15	0.005	0.61	0.13	0.005	0.15	0
361313	13	13	22	0.2	3	53	0.5	2	0.5	0.79	2	2	2	2	6	1	1	11	8	7	367	0.07	0.005	0.51	0.11	0.03	0.06	0
361314	30	15	28	0.2	20	58	0.5	2	2	1.33	4	2	2	2	9	1	1	9	8	16	109	0.16	0.005	0.5	0.02	0.005	0.07	0
361315	16	19	25	0.2	5	37	0.5	1	8	0.99	1	13	2	2	11	3	1	5	2	7	125	0.05	0.005	0.44	0.02	0.02	0.07	0
361316	10	14	39	0.2	12	72	0.5	2	5	0.65	4	5	5	2	7	1	1	11	3	9	524	0.02	0.005	0.24	0.19	0.03	0.13	0
361317	202	111	172	0.2	49	126	0.5	49	133	6.08	13	41	2	2	45	1	1	55	9	15	1077	0.45	0.02	1.09	0.61	0.03	0.3	0
361318	24	33	33	0.2	7	32	0.5	3	6	1.53	5	11	2	2	11	1	1	6	2	7	276	0.1	0.005	0.55	0.03	0.03	0.11	0
361319	28	52	86	0.2	3	119	0.5	5	8	1.33	6	10	2	2	15	1	1	15	6	18	514	0.1	0.005	0.42	0.11	0.04	0.21	0
361320	84	66	137	0.2	42	232	0.5	8	7	3.98	12	4	2	2	13	1	1	84	16	56	509	0.43	0.03	0.92	0.13	0.01	0.39	0
361321	15	20	27	0.2	20	46	0.5	2	1	1.1	4	2	2	5	9	1	1	11	3	12	111	0.05	0.005	0.63	0.01	0.01	0.1	0
361322	77	56	111	0.2	45	165	0.5	7	6	3.69	11	4	2	5	12	1	1	63	10	44	389	0.35	0.01	0.85	0.05	0.04	0.31	0
361323	6	9	22	0.2	23	61	0.5	3	0.5	1.46	5	2	2	2	13	1	1	3	2	6	161	0.31	0.01	0.99	0.02	0.005	0.1	0
361324	6	7	25	0.2	5	67	0.5	3	0.5	1.05	3	2	2	2	9	1	1	4	7	16	249	0.32	0.005	0.76	0.08	0.03	0.12	0
361325	3	2	7	0.2	1	54	0.5	0.5	0.5	0.18	1	2	2	2	4	1	2	2	1	4	38	0.02	0.005	0.79	0.02	0.03	0.03	0
361326	9	15	25	0.2	7	72	0.5	2	0.5	0.92	1	2	2	2	8	1	1	3	1	5	118	0.22	0.005	0.75	0.03	0.03	0.08	0
361327	8	7	10	0.2	1	89	0.5	3	0.5	0.62	4	2	2	2	6	1	1	6	4	13	1020	0.06	0.005	0.58	0.08	0.05	0.03	0
361328	1	11	10	0.2	1	51	0.5	0.5	0.5	0.28	2	2	2	6	4	1	1	4	1	4	45	0.07	0.005	0.51	0.02	0.02	0.06	0
361329	20	40	62	0.2	10	50	0.5	9	2	1.94	6	5	2	2	15	3	1	9	5	11	483	0.55	0.02	1.08	0.11	0.005	0.15	0
361330	6	9	18	0.2	1	25	0.5	2	0.5	0.63	7	2	2	2	12	1	2	6	2	8	56	0.05	0.01	0.56	0.04	0.005	0.06	0
361331	36	63	76	0.2	15	72	0.5	9	4	1.44	7	2	2	6	9	1	1	22	10	27	583	0.48	0.02	0.81	0.23	0.005	0.25	0
361332	12	42	62	0.2	17	66	0.5	5	5	2.43	4	7	2	2	23	1	1	14	5	9	374	0.6	0.03	1.21	0.09	0.005	0.24	0
361333	8	46	35	0.2	18	66	0.5	3	0.5	1.62	5	4	2	2	29	1	1	10	3	6	660	0.31	0.02	1.03	0.07	0.005	0.16	0
361334	10	41	44	0.2	10	50	0.5	3	1	1.97	4	6	2	2	20	1	1	9	3	10	296	0.51	0.01	1.28	0.08	0.005	0.15	0
361335	4	15	12	0.2	4	91	0.5	1	0.5	0.83	3	2	2	6	12	1	1	10	2	7	72	0.13	0.005	1.32	0.07	0.005	0.1	0
361336	3	8	14	0.2	12	58	0.5	1	0.5	0.88	3	2	2	2	12	1	1	6	1	4	128	0.17	0.01	0.8	0.05	0.01	0.12	0
361337	14	22	43	0.2	95	79	0.5	6	2	1.97	6	6	2	7	17	1	1	14	6	15	383	0.45	0.01	1.12	0.18	0.01	0.19	0
361338	16	18	64	0.2	66	169	0.5	6	3	1.95	10	8	2	2	19	6	1	22	13	28	443	0.52	0.005	1.26	0.38	0.01	0.23	0
361339	11	10	36	0.2	12	58	0.5	5	2	1.38	3	4	2	2	16	1	1	17	3	11	295	0.43	0.01	0.8	0.31	0.005	0.14	0
361340	11	10	45	0.2	56	94	0.5	5	3	1.71	7	7	2	8	19	1	1	15	6	18	279	0.46	0.01	1.23	0.21	0.01	0.17	0
361341	11	9	49	0.2	42	106	0.5	3	3	1.52	4	9	2	2	17	1	1	29	10	29	265	0.43	0.005	1.19	0.45	0.02	0.13	0
361342	40	21	102	0.2	15	78	0.5	17	24	3.13	5	21	2	5	26	2	1	26	12	29	594	0.83	0.05	1.55	0.49	0.01	0.36	0
361343	11	10	43	0.2	1	47	0.5	4	4	1.82	2	10	2	2	20	1	1	14	4	13	199	0.45	0.02	1.24	0.21	0.005	0.13	0
361344	21	50	97	0.2	27	97	0.5	7	11	2.37	8	20	2	2	26	7	1	14	5	16	481	0.64	0.01	1.59	0.17	0.01	0.17	0
361345	9	6	25	0.2	1	52	0.5	4	2	1.48	4	4	2	2	18	1	1	10	3	7	225	0.33	0.02	1	0.18	0.01	0.11	0
361346	4	21	13	0.2	3	52	0.5	1	1	0.47	3	2	2	2	6	2	1	5	2	9	63	0.11	0.005	0.56	0.05	0.03	0.05	0
361347	4	22	26	0.2	5	55	0.5	2	0.5	0.7	3	2	2	7	7	3	1	5	2	7	115	0.18	0.005	0.58	0.04	0.02	0.09	0
359635	20	30	31	0.2	10	42	0.5	4	3	1.34	4	4	2	2	12	1	1	6	2	5	411	0.16	0.005	0.62	0.03	0.03	0.06	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
359636	41	42	45	0.2	7	61	0.5	4	6	1.97	10	10	2	2	17	1	1	10	3	13	167	0.33	0.005	0.78	0.04	0.005	0.04	0
359637	55	49	93	0.2	18	116	0.5	8	12	2.35	7	13	2	2	21	1	1	12	13	26	665	0.49	0.01	1.01	0.14	0.005	0.12	0
359638	104	48	108	0.2	24	213	0.5	15	14	3.81	12	15	2	2	21	1	1	62	11	36	762	1.11	0.04	1.45	0.36	0.005	0.62	0
359639	13	55	40	0.2	11	45	0.5	4	4	1.8	6	9	2	2	19	1	1	5	4	13	426	0.24	0.01	0.8	0.02	0.005	0.12	0
359640	10	25	28	0.2	19	36	0.5	3	1	1.17	2	4	2	5	15	1	1	5	1	4	102	0.18	0.02	0.62	0.04	0.03	0.12	0
359641	8	16	33	0.2	1	40	0.5	4	2	1.19	1	5	7	8	15	1	1	6	1	5	164	0.34	0.02	0.66	0.05	0.03	0.19	0
359642	17	29	67	0.2	4	63	0.5	5	4	1.97	4	8	2	2	17	1	1	7	4	19	283	0.76	0.01	1.2	0.09	0.03	0.24	0
359643	6	21	24	0.2	1	38	0.5	2	1	1.11	4	2	2	2	23	3	1	4	1	4	57	0.09	0.04	0.51	0.03	0.03	0.09	0
359644	11	34	45	0.2	7	52	0.5	6	2	2.02	6	7	2	2	19	1	1	14	5	20	222	0.53	0.05	0.9	0.12	0.03	0.24	0
359645	10	38	14	0.2	1	66	0.5	0.5	0.5	0.4	2	2	2	2	4	1	1	4	2	6	42	0.02	0.005	0.31	0.03	0.04	0.04	0
359646	50	73	52	0.2	17	93	0.5	2	2	2.16	7	2	2	2	13	1	2	23	3	15	76	0.11	0.01	0.64	0.03	0.03	0.07	0
359647	15	15	17	0.2	1	32	0.5	1	0.5	0.72	3	2	2	6	8	1	1	6	1	4	33	0.02	0.005	0.34	0.01	0.03	0.04	0
359648	56	17	43	0.6	1	90	0.5	2	2	1.73	7	2	2	7	17	4	1	10	4	11	72	0.1	0.005	0.7	0.03	0.03	0.04	0
359649	93	12	38	0.2	1	57	0.5	4	1	2.64	6	4	2	2	22	1	2	13	3	8	142	0.25	0.005	0.72	0.02	0.03	0.07	0
359650	47	14	28	0.2	1	67	0.5	4	1	1.75	5	2	2	2	18	1	1	10	2	7	115	0.24	0.01	0.67	0.02	0.02	0.05	0
359651	64	4	44	0.2	17	51	0.5	6	6	2.81	2	5	2	2	23	1	1	14	1	7	228	0.59	0.03	1.07	0.03	0.03	0.16	0
359652	93	5	51	0.2	10	76	0.5	12	4	3.3	4	5	2	2	24	1	1	14	4	8	363	0.69	0.04	1.08	0.06	0.03	0.2	0
359653	110	6	28	0.2	1	148	0.5	4	1	3.87	11	2	2	2	21	1	1	70	2	19	247	0.32	0.03	0.8	0.03	0.06	0.2	0
359654	142	10	39	0.2	5	136	0.5	9	1	4.47	9	2	2	2	22	1	1	60	6	22	293	0.44	0.03	0.81	0.04	0.05	0.2	0
359655	169	6	48	0.2	4	138	0.5	20	1	4.8	9	2	2	2	24	1	1	74	7	23	574	0.44	0.04	0.82	0.03	0.04	0.21	0
359656	117	11	36	0.2	1	74	0.5	5	1	4.07	9	4	2	2	27	1	3	45	4	18	211	0.44	0.02	1.03	0.02	0.04	0.1	0
359657	145	17	34	0.5	1	92	0.5	2	0.5	4.25	12	2	2	2	24	1	2	67	3	24	111	0.41	0.03	0.75	0.02	0.04	0.14	0
359658	51	2	18	0.2	10	98	0.5	4	0.5	5.79	1	2	2	2	30	1	1	171	3	32	121	0.1	0.02	0.51	0.02	0.11	0.22	0
359659	31	6	18	0.2	1	35	0.5	2	1	1.54	2	2	2	9	10	1	1	15	1	7	72	0.14	0.005	0.54	0.02	0.04	0.04	0
359660	19	9	11	0.2	7	43	0.5	2	0.5	1.31	3	2	2	2	18	1	2	8	1	5	311	0.09	0.01	0.45	0.02	0.03	0.05	0
359661	93	51	52	0.2	9	79	0.5	3	0.5	2.43	9	2	2	2	12	1	1	12	6	16	148	0.15	0.005	0.65	0.02	0.03	0.08	0
359662	128	102	105	0.4	1	140	1	18	1	2.72	11	2	2	2	8	1	1	20	9	21	1344	0.29	0.01	0.54	0.06	0.03	0.15	0
359663	225	117	162	0.2	20	116	1	18	6	4.12	18	4	2	2	11	1	1	18	14	27	886	0.33	0.005	0.66	0.08	0.03	0.11	0
359664	77	138	76	0.2	25	41	0.5	10	5	4.8	15	10	10	2	20	1	1	8	4	12	411	0.49	0.03	0.94	0.07	0.03	0.14	0
359665	100	298	114	1.2	29	139	0.5	3	0.5	3.57	11	2	5	2	6	1	1	46	10	39	191	0.15	0.03	0.48	0.01	0.02	0.21	0
359666	81	99	115	0.2	7	59	0.5	16	5	3.62	6	8	2	2	18	1	1	26	7	21	604	0.85	0.04	1.15	0.13	0.01	0.29	0
359667	6	5	12	0.2	1	37	0.5	1	0.5	0.29	1	2	2	2	2	1	4	3	1	3	36	0.03	0.005	0.34	0.03	0.04	0.03	0
359668	87	153	204	0.4	1	128	0.5	9	4	2.91	10	5	2	2	16	1	1	33	10	27	637	0.6	0.02	1.02	0.13	0.01	0.25	0
359669	131	44	728	0.2	24	191	6	32	19	2.47	11	7	2	2	23	1	1	12	37	35	2616	0.92	0.005	1.78	0.21	0.03	0.17	0
359670	43	89	75	0.7	5	61	0.5	5	3	2.22	4	5	2	7	16	1	1	12	3	12	214	0.31	0.01	0.88	0.03	0.03	0.1	0
359671	13	54	24	0.2	4	72	0.5	8	0.5	0.9	6	2	2	2	8	1	2	8	6	14	1205	0.07	0.005	0.52	0.08	0.03	0.05	0
359672	51	78	68	0.2	3	68	0.5	8	6	2.73	10	8	2	2	21	1	2	9	3	10	384	0.43	0.02	0.82	0.05	0.005	0.11	0
360120	21	19	41	0.2	22	59	0.5	6	10	1.76	4	14	5	16	15	1	1	28	7	20	306	0.45	0.06	0.92	0.29	0.005	0.24	0
360121	3	16	13	0.2	1	47	0.5	1	2	0.76	1	8	2	7	20	4	1	13	3	12	94	0.08	0.02	0.89	0.09	0.005	0.07	0
360122	180	23	354	0.2	19	209	2	13	26	2.29	8	20	2	2	20	2	1	44	24	43	772	0.58	0.03	1.42	0.68	0.04	0.18	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
360123	15	27	64	0.5	1	44	0.5	2	3	1.21	3	7	10	2	10	3	1	12	4	10	279	0.3	0.01	0.73	0.18	0.01	0.1	0
360124	54	43	59	3.6	1	137	1	13	10	0.84	3	7	6	2	6	1	1	36	14	37	570	0.13	0.005	0.67	0.61	0.04	0.07	0
360125	31	43	67	0.2	13	77	0.5	5	7	1.95	4	11	9	2	20	1	1	12	5	12	354	0.42	0.02	0.98	0.1	0.01	0.12	0
360126	106	74	162	0.2	1	97	0.5	15	12	3.45	7	13	2	2	22	1	1	21	6	20	877	0.53	0.04	1.32	0.11	0.005	0.19	0
360127	30	32	44	0.5	11	49	0.5	4	8	2.12	5	11	2	2	30	1	1	12	3	10	268	0.3	0.03	0.83	0.12	0.03	0.11	0
360128	2	4	7	0.2	1	19	0.5	1	1	0.39	1	2	2	2	11	1	1	6	1	5	53	0.08	0.02	0.41	0.06	0.03	0.04	0
360129	5	6	20	0.2	1	27	0.5	2	3	0.89	1	5	2	9	24	3	1	11	3	8	139	0.28	0.04	0.98	0.11	0.005	0.05	0
360130	1	2	3	0.2	1	20	0.5	0.5	0.5	0.24	1	2	6	6	6	1	1	5	1	3	19	0.02	0.005	0.28	0.03	0.07	0.04	0
360131	105	42	180	0.2	4	178	0.5	12	49	3.84	12	44	7	2	68	1	1	27	12	26	782	1.08	0.02	1.52	0.13	0.01	0.12	0
360132	80	7	99	1.2	1	160	0.5	3	44	1.07	10	9	2	7	45	2	1	10	3	15	160	0.03	0.005	0.21	0.03	0.05	0.03	0
360133	47	51	65	0.2	1	51	0.5	3	9	2.9	6	11	2	6	33	1	1	10	3	11	216	0.22	0.04	0.85	0.05	0.02	0.05	0
360134	97	273	80	0.6	38	161	0.5	1	2	3.07	12	2	2	2	13	1	1	60	2	34	75	0.04	0.02	0.53	0.01	0.04	0.15	0
360135	76	74	37	0.4	7	109	0.5	1	1	1.48	10	2	2	2	9	2	1	44	4	31	36	0.02	0.005	0.68	0.02	0.03	0.14	0
360136	31	35	24	0.2	1	44	0.5	1	3	0.65	4	2	5	2	13	2	1	10	2	7	38	0.04	0.01	0.63	0.04	0.02	0.07	0
360137	160	104	54	0.9	19	77	0.5	3	7	2.53	29	5	10	6	24	1	1	26	4	24	127	0.12	0.02	0.71	0.02	0.005	0.08	0
360138	20	12	18	0.2	1	22	0.5	1	2	0.5	1	2	7	2	9	1	1	8	2	7	35	0.03	0.005	0.34	0.04	0.04	0.04	0
360139	198	107	130	0.8	38	142	0.5	9	18	4.77	16	20	7	13	34	1	1	42	8	30	872	0.9	0.03	1.66	0.15	0.005	0.14	0
360140	90	55	62	0.6	16	101	0.5	3	9	3.12	14	15	2	5	40	1	1	20	4	28	177	0.26	0.01	0.74	0.03	0.02	0.06	0
360141	59	63	31	0.7	12	41	0.5	0.5	5	1.29	1	7	2	2	15	1	1	6	1	6	91	0.13	0.005	0.48	0.02	0.05	0.02	0
360142	18	11	17	0.2	1	25	0.5	1	4	0.7	1	4	2	6	17	2	1	7	2	10	45	0.02	0.01	0.26	0.02	0.04	0.02	0
360143	108	105	96	0.2	5	84	0.5	13	21	3.13	4	17	2	7	28	4	1	29	7	19	951	0.49	0.02	1.01	0.11	0.005	0.08	0
360144	21	9	17	0.4	1	29	0.5	2	4	0.61	1	5	2	13	12	2	1	6	2	10	59	0.04	0.005	0.47	0.01	0.01	0.02	0
360145	5	2	7	0.2	1	22	0.5	0.5	1	0.22	1	2	2	14	4	1	1	3	1	3	17	0.01	0.005	0.27	0.01	0.02	0.02	0
360146	6	33	14	0.2	1	46	0.5	0.5	1	0.36	1	2	2	2	5	1	1	8	1	6	38	0.02	0.005	0.7	0.03	0.005	0.07	0
360147	2	11	8	0.2	1	32	0.5	0.5	1	0.21	1	2	2	6	4	4	1	9	1	3	66	0.03	0.005	0.52	0.04	0.02	0.06	0
360148	29	63	66	0.2	8	60	0.5	4	9	1.59	4	9	6	2	19	4	1	14	5	14	210	0.26	0.02	0.79	0.07	0.005	0.12	0
360149	25	44	43	0.2	15	70	0.5	3	6	1.27	4	6	2	8	16	1	1	21	4	14	157	0.16	0.02	0.65	0.08	0.005	0.12	0
360150	37	72	75	0.2	1	98	0.5	4	13	1.93	5	13	2	5	24	1	1	20	6	19	387	0.54	0.03	1.15	0.09	0.005	0.12	0
360151	40	62	77	0.2	5	99	0.5	8	14	2.21	6	17	2	6	24	1	1	24	5	16	806	0.59	0.03	1	0.12	0.005	0.2	0
360152	40	25	98	0.2	100	74	0.5	10	12	2.85	1	19	2	12	34	1	1	19	5	13	580	1.08	0.07	1.6	0.16	0.005	0.4	0
360153	9	12	14	0.2	1	58	0.5	2	2	0.53	1	2	2	2	9	1	1	10	2	4	55	0.06	0.01	0.4	0.05	0.01	0.1	0
360154	12	18	35	0.2	18	50	0.5	4	6	2.41	2	11	8	10	32	1	1	8	1	6	290	0.26	0.08	0.72	0.05	0.01	0.13	0
360155	17	10	58	0.2	11	81	0.5	10	7	3.14	1	11	2	10	41	1	1	11	1	4	512	0.89	0.09	1.53	0.13	0.01	0.32	0
360156	12	5	35	0.2	28	86	0.5	6	5	1.55	2	8	2	6	20	1	1	35	5	17	507	0.42	0.03	1.04	0.61	0.02	0.11	0
360157	14	9	34	0.2	4	87	0.5	4	8	2.19	5	18	2	2	30	3	1	10	6	31	198	0.55	0.03	1.37	0.09	0.03	0.21	0
360158	9	11	23	0.2	8	37	0.5	2	4	0.8	1	5	2	2	12	1	1	9	2	7	111	0.14	0.02	0.44	0.09	0.02	0.1	0
360159	3	4	13	0.2	6	22	0.5	1	2	0.68	1	5	2	7	9	1	1	6	1	4	72	0.12	0.01	0.41	0.05	0.03	0.08	0
360160	5	10	33	0.2	1	40	0.5	3	9	1.72	1	18	2	2	18	1	1	16	4	11	197	0.47	0.06	1.08	0.19	0.005	0.17	0
360161	4	10	16	0.2	1	38	0.5	1	5	0.96	7	11	2	2	9	2	1	9	3	7	98	0.23	0.02	0.76	0.1	0.01	0.15	0
360162	16	12	65	0.2	6	91	0.5	11	18	2.72	3	29	2	12	25	1	1	28	8	19	434	0.76	0.06	1.66	0.4	0.005	0.3	0

ExpoXpoPop97

Field	Cu	Pb	Zn	Ag	As	Ba	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	BaXRF
360163	16	11	66	0.2	1	95	0.5	11	30	3.21	1	54	2	2	32	2	1	52	7	15	656	1	0.06	1.61	0.78	0.005	0.34	0
361348	25	19	60	0.2	7	59	0.5	10	9	2.5	1	15	2	8	29	3	1	27	6	15	492	0.77	0.07	1.37	0.34	0.005	0.31	0
361349	39	12	31	0.2	57	35	0.5	16	25	2.49	1	118	2	12	63	1	1	13	3	6	221	0.93	0.1	1.16	0.36	0.01	0.16	0
361350	62	21	80	0.2	21	103	0.5	18	20	3.32	5	33	2	10	39	1	1	21	6	20	729	0.96	0.06	2	0.33	0.01	0.28	0
361351	20	46	57	0.2	46	61	0.5	8	11	2.44	3	20	5	10	30	8	1	22	6	14	438	0.64	0.09	1.31	0.18	0.005	0.26	0
361352	56	91	108	0.2	45	202	0.5	13	28	2.33	9	18	2	2	16	1	1	39	23	46	1225	0.33	0.01	0.79	0.19	0.04	0.21	0
361353	17	16	35	0.2	5	36	0.5	3	5	1.51	1	11	2	2	17	1	1	11	3	7	196	0.44	0.03	0.84	0.07	0.02	0.19	0
361354	63	56	166	0.2	35	82	0.5	18	45	3.67	9	35	2	2	34	1	1	36	16	30	1178	1.29	0.06	1.88	0.21	0.005	0.23	0
361355	34	78	144	0.2	17	105	0.5	10	9	2.35	6	8	2	2	12	1	1	31	13	29	957	0.58	0.04	1.17	0.21	0.005	0.32	0
361356	86	101	125	0.2	7	108	0.5	13	23	3.28	15	20	9	10	36	1	1	18	19	38	1069	0.68	0.01	2.03	0.07	0.01	0.14	0
361357	3	5	8	0.2	1	15	0.5	0.5	1	0.24	1	2	2	2	8	2	1	3	1	7	47	0.02	0.01	0.22	0.03	0.04	0.04	0
361358	106	195	147	0.2	128	112	1	23	32	2.79	14	14	2	2	20	1	1	11	28	59	1957	0.5	0.02	1.29	0.28	0.005	0.19	0
361359	3	2	5	0.4	1	16	0.5	0.5	1	0.35	1	2	11	6	11	3	1	3	1	3	62	0.04	0.02	0.19	0.03	0.04	0.04	0
361360	18	9	13	0.4	1	28	0.5	1	2	0.99	3	5	2	6	20	1	1	5	2	11	43	0.05	0.01	0.37	0.02	0.02	0.06	0
361361	129	87	100	1.9	63	192	0.5	2	27	6.32	22	76	2	7	87	1	1	26	4	45	562	1.13	0.07	1.91	0.09	0.005	0.18	0
361362	109	90	111	0.2	1	123	0.5	3	16	4.09	25	21	5	2	21	1	1	35	10	69	524	1.01	0.005	1.79	0.06	0.005	0.13	0
361363	94	74	123	0.2	37	155	0.5	3	18	4.57	12	19	11	2	21	1	1	49	11	53	581	0.98	0.01	1.7	0.16	0.005	0.19	0
361364	6	2	4	0.2	1	10	0.5	0.5	1	0.23	1	2	2	2	6	1	1	3	1	2	15	0.02	0.005	0.11	0.01	0.02	0.01	0
361365	60	17	122	0.2	16	357	0.5	4	27	1.79	3	29	2	2	46	4	1	11	5	10	371	0.32	0.005	0.99	0.04	0.03	0.04	0
361366	15	4	15	0.4	2	34	0.5	1	4	0.56	1	5	5	2	13	2	1	4	1	5	36	0.08	0.01	0.34	0.01	0.02	0.04	0
361367	8	10	14	0.2	1	42	0.5	2	2	0.47	4	2	5	2	7	1	1	8	3	9	34	0.07	0.005	0.65	0.03	0.01	0.08	0
361368	37	47	88	0.2	7	128	0.5	6	14	2.72	2	14	2	2	28	4	1	26	6	22	367	0.54	0.08	1.33	0.17	0.005	0.16	0
361369	10	17	25	0.2	7	52	0.5	1	3	0.78	2	4	2	2	21	2	1	13	2	10	74	0.06	0.02	0.86	0.05	0.01	0.1	0
361370	5	26	15	0.2	1	59	0.5	0.5	1	0.47	1	2	8	7	10	3	1	17	3	11	50	0.08	0.01	1.13	0.07	0.02	0.08	0
361371	118	35	43	0.9	9	118	0.5	2	18	2.56	24	21	11	7	20	1	1	24	25	35	183	0.49	0.005	1.4	0.06	0.01	0.08	0
361372	18	17	14	0.2	1	36	0.5	1	3	0.6	4	7	2	5	15	1	1	8	3	18	47	0.09	0.01	0.66	0.03	0.02	0.04	0
361373	34	19	22	0.2	2	34	0.5	1	4	0.82	5	5	2	2	15	3	1	6	3	11	61	0.14	0.01	0.49	0.02	0.03	0.04	0
361374	5	5	6	0.2	1	58	0.5	0.5	0.5	0.24	1	2	6	6	4	1	1	2	1	4	9	0.005	0.005	0.87	0.005	0.005	0.02	0
361375	58	11	44	0.2	7	52	0.5	5	12	3.06	5	16	2	2	18	1	1	14	4	12	314	0.47	0.03	0.79	0.09	0.03	0.08	0
361376	121	55	70	0.2	1	89	0.5	7	19	3.89	6	18	8	2	27	1	1	23	9	27	388	0.7	0.05	1.07	0.07	0.03	0.19	0
361377	52	9	51	0.2	16	52	0.5	5	14	2.68	2	17	7	2	20	1	1	18	4	13	278	0.44	0.03	0.93	0.07	0.03	0.09	0
361378	56	46	56	0.2	6	84	0.5	4	17	2.5	6	14	7	2	32	1	1	34	4	18	273	0.43	0.02	0.86	0.04	0.03	0.12	0
361379	67	39	70	0.2	19	92	0.5	10	22	2.8	4	20	2	5	27	1	1	21	6	17	718	0.62	0.02	1	0.07	0.03	0.09	0
361380	31	18	46	0.2	17	253	0.5	6	9	1.43	6	8	2	9	24	1	1	27	2	11	3642	0.12	0.005	0.46	0.17	0.03	0.09	0
361381	45	37	100	0.2	3	277	1	13	13	1.78	7	10	5	6	23	1	1	23	3	11	2293	0.12	0.005	0.47	0.19	0.04	0.11	0
361382	8	15	20	0.2	19	28	0.5	1	2	1.17	2	2	7	2	9	1	1	3	3	8	144	0.08	0.005	0.62	0.03	0.03	0.09	0
361383	17	17	52	0.2	15	44	0.5	5	7	2	3	19	8	2	23	1	1	12	3	9	285	0.56	0.05	1.02	0.09	0.005	0.2	0
361384	22	20	46	0.2	48	68	0.5	3	5	1.35	1	9	2	2	14	1	1	7	2	9	167	0.29	0.01	0.73	0.04	0.03	0.14	0
361385	12	16	37	0.2	26	66	0.5	3	4	1.44	1	6	2	6	23	2	1	4	1	5	158	0.22	0.02	0.58	0.03	0.03	0.12	0
361386	24	9	37	0.2	22	527	0.5	9	20	3.2	2	50	2	20	30	1	1	8	2	6	193	1.05	0.005	1.99	0.1	0.03	0.04	0

APPENDIX IV

**DIAMOND DRILL
CORE LOG**

HOLE NO: EX97-3	SECTION:	GRID:
-----------------	----------	-------

PROJECT CODE : PELY MOUNTAIN
 TENEMENT : EXPO
 PROSPECT : WHITE CREEK
 GRID :
 MAP REFERENCE: NTS 105 G 1
 LOCATION : YUKON
 HOLE TYPE :

*** DRILLING SUMMARY ***

Material left in hole:
 Base of complete oxidation
 Top of fresh rock:
 Water first encountered:
 Water inflow estimate:

*** COLLAR COORDINATES AND RL ***

NOMINAL	6788735.00mN	432960.00mE	0.00RL
---------	--------------	-------------	--------

Pre-collar depth: Final depth: 173.70
 Purpose of hole: TEST AMAG AND BA SHOWING
 Hole status:
 Comments:

126.40	138.10	FELSIC TUFF
138.10	138.30	CHERTY ARGILLITE
138.30	138.90	FELSIC TUFF
138.90	139.20	META-BASITE SILL/DYKE
139.20	140.00	FELSIC TUFF
140.00	146.90	MAFIC FLOW
146.90	154.70	FELSIC FLOW
154.70	156.00	FELSIC LAPILLI TUFF
156.00	169.20	SHEARED META-PORPHYRY (META-WACKE)
169.20	173.70	SHEARED META-PORPHYRY (META-WACKE)
173.70		END OF HOLE

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	0.00	-90.00

*** SUMMARY LOG ***

0.00	7.00	OVERBURDEN
7.00	18.30	SILTSTONE
18.30	28.70	FELSIC TUFF
28.70	31.00	FELSIC LAPILLI TUFF
31.00	31.40	CHERTY ARGILLITE
31.40	31.80	FELSIC TUFF FELSIC FLOW
31.80	33.70	FELSIC LAPILLI TUFF
33.70	34.10	SILTSTONE ARGILLITE
34.10	38.60	FELSIC TUFF
38.60	39.30	SILTSTONE ARGILLITE
39.30	39.80	FELSIC TUFF
39.80	44.10	SILTSTONE ARGILLITE
44.10	44.90	FELSIC TUFF
44.90	45.70	SILTSTONE ARGILLITE
45.70	49.20	FELSIC FLOW
49.20	51.30	SILTSTONE ARGILLITE
51.30	53.50	FELSIC TUFF
53.50	57.10	TUFFACEOUS ARGILLITE
		SILTSTONE
57.10	87.40	FELSIC TUFF
87.40	87.90	QUARTZ VEIN
87.90	90.60	ALTERED FELSIC TUFF
90.60	93.00	FELSIC FLOW
93.00	94.50	ALTERED FELSIC TUFF
94.50	96.90	FELSIC TUFF
96.90	104.40	FELSIC TUFF
104.40	108.70	ALTERED FELSIC TUFF
108.70	115.80	FELSIC TUFF
115.80	125.90	FELSIC TUFF
125.90	126.40	CHERTY ARGILLITE
		SILTSTONE

Checked and signed: _____	Date: _____
---------------------------	-------------

From	To	Geological Log
0.00	7.00	OVERBURDEN
7.00	18.30	SILTSTONE Badly broken interval with very poor core recovery. Oxidation along fractures is moderate to strong. Unit comprises predominantly light to medium grey, thinly interbanded cherty/siliceous and argillaceous siltstone and light grey siliceous cherty felsic tuff or siltstone/sandstone. Presence of greenish sericite+chlorite partings suggests a tuffaceous origin; more siliceous, greyer interbands maybe siltstone/sandstone. Unit is cut by abundant late fecarbonate-quartz+pyrite veinlets. Pyrite (2-3%) occurs as disseminations and in veinlets. S2 foliation at 69 to ca at 16.5 m.
18.30	28.70	FELSIC TUFF Strongly foliated, light green grey, thinly banded to more massive, fine-grained granular quartz-sericite/muscovite+chlorite felsic tuff. Thin banding texture due to presence of <1.5 mm quartz-pyrite ribbons or bands (veinlets?). Unit is also cut by abundant fecarbonate-quartz+pyrite veinlets. Tuff appears more siliceous above 26.4 m, becoming more sericitic/chloritic towards the lower contact. More massive granular tuff locally appears to contain fine feldspar/quartz crystals and typically contains 2-5% very fine-grained, wispy and euhedral disseminated py. Unit is strongly broken and oxidized along fractures. S2 foliation at 58 deg to ca at 25.0 m and 73 deg at 29.3 m. 18.30-26.20 FELSIC LAPILLI TUFF Badly broken interval with poor core recovery; faulted.
28.70	31.00	FELSIC LAPILLI TUFF Very poor recovery; washed core zone. Fault occurs in felsic tuff.
31.00	31.40	Cherty Argillite Dark grey to black, laminated to thin banded cherty argillite containing 2-8% very fine-grained disseminated pyrite and quartz-pyrite-sphalerite (trace) veinlets oriented generally parallel to S2. Lighter grey silty argillite/siltstone interlamination are present. Unit is generally siliceous and non carbonaceous/graphitic. Late fecarbonate-quartz tension gashes are locally present. Unit is strongly foliated with evidence of isoclinally folded veins near the lower contact.
31.40	31.80	FELSIC TUFF FELSIC FLOW Light green grey thin banded, siliceous/cherty felsic tuff/flow containing rare bluish quartz phenocrysts (<1 mm) and cut by abundant quartz-pyrite veinlets oriented near parallel to S2 (S2 is locally folded). Pyrite (2-5%) occurs as disseminations and veinlets.
31.80	33.70	FELSIC LAPILLI TUFF Very poor recovery; rubble core. Fault in felsic tuff/flow unit.
33.70	34.10	SILTSTONE ARGILLITE Medium to dark grey to black, thin banded to interlaminated medium to dark grey siltstone/silty mudstone and argillite with minor carbonaceous argillite. Pyrite occurs as 3-8%, very fine-grained disseminations and wispy disseminations near parallel S1/S2 and within quartz-pyrite-carbonate veinlets. Basal 10 cms is gouged/faulted.
34.10	38.60	FELSIC TUFF Light greenish grey, well foliated/sheared granular massive felsic tuff with a laminated to ribboned texture (as does 18.3-28.7 m interval) defined by fine-grained quartz with sericite-muscovite+chlorite partings. Pyrite occurs as 2-5%, foliation parallel disseminations, preferentially within quartz-rich ribbons (veins?). No quartz crystals were noted. Unit becomes increasingly siliceous and thin banded (vs. Laminated). Trace amythyst in quartz-carbonate veinlets. S2 at 80 deg to ca at 34.9 m. 36.40-37.00 Cherty Argillite Chert Broken interval with dark grey diffuse laminations/bands suggesting some argillaceous component. 37.00-38.60 FELSIC LAPILLI TUFF Broken, granular, fine-grained felsic tuffs with several oxidized, thin fault gouge zones/seams

From	To	Geological Log
		present.
38.60	39.30	SILTSTONE ARGILLITE Dark grey to black, non graphitic, non calcareous, thinly laminated/well foliated siltstone/silty argillite/argillite containing 2-3% disseminated pyrite throughout and within fine quartz-carbonate veinlets. Basal 10 cms is fault gouged. S2 foliation at 80 deg to ca at 38.8 m.
39.30	39.80	FELSIC TUFF Well foliated, ribboned to granular textured, light green grey, felsic quartz-sericite/muscovite+chlorite tuffs with 2-5% disseminated pyrite and cut by several quartz-carbonate veinlets. 39.50-39.70 Meta-Basite Sill/Dyke Tan to grey green, fine-grained, Fe-carbonate altered mafic dyke with 2-3% green Cr-Ni(?) micas present and sharp contacts.
39.80	44.10	SILTSTONE ARGILLITE As above. Thinly laminated, variably carbonaceous unit containing only minor thin interbeds of granular, fine-grained felsic tuffs. Unit is locally weakly gouged reflecting faulting in a fold hinge zone and the increased carbonaceous content. S2 at 80 deg to ca and S3 at 20 deg to ca at 42.0 m. 42.90-43.30 Meta-Basite Sill/Dyke Several thin Fe-carbonate altered, quartz veined mafic dykes; as above.
44.10	44.90	FELSIC TUFF As above. This interbanded siliceous tuff are present (formed quartzose ribbons in overlying unit) and locally appear to possibly be quartz/feldspar crystal phyrlic(?). Unit contains 2-3% disseminated fine pyrite. S2 at 85 deg to ca at 44.5 m.
44.90	45.70	SILTSTONE ARGILLITE Medium grey (greenish grey), mixed, interlaminated siltstone/silty argillite and felsic tuff with occasional thicker siltstone/sandstone interbeds. Unit contains 2-3% fine disseminated pyrite.
45.70	49.20	FELSIC FLOW Massive, very siliceous, very fine-grained, light green grey felsic flow/sill cut by quartz-pyrite (2-4%) veinlets and sphalerite+pyrite as rare S2 parallel veinlets/laminations (looks like veinlets). Trace sphalerite and rare galena disseminations at 48.6 m. 48.50-49.20 FELSIC LAPILLI TUFF Broken; weakly gouged interval.
49.20	51.30	SILTSTONE ARGILLITE As above 39.8-44.1 m interval; more carbonaceous well laminated interval; still siliceous with felsic tuff component. Trace very fine-grained sphalerite occurs as disseminations. Pyrite (2-8%) occurs as disseminations and S2 parallel disseminations and quartz veinlets. S2 at 83 deg to ca.
51.30	53.50	FELSIC TUFF As above. Unit becomes more massive and granular towards base; generally light green grey quartz-sericite+chlorite, ribboned to massive tuff containing 2-5% pyrite. S3 at 25 deg to ca.
53.50	57.10	Tuffaceous Argillite SILTSTONE Medium to dark grey, more massive less laminated silty argillite/tuffaceous siltstone/argillite with minor felsic tuff intervals and containing 3-8% fine disseminated pyrite. S2 at 77 deg to ca at 55.0 m.
57.10	87.40	FELSIC TUFF Light to medium green grey, massive to granular, fine-grained felsic tuff with 2-5% wispy disseminated pyrite and an increased sericite+chlorite content. Unit is not siliceous but well foliated, massive and non calcareous; perhaps more dacitic vs rhyolitic. Locally cut by numerous clear grey quartz veinlets. S2 at 77 deg to ca at 57.8 m. 60.30-60.60 Tuffaceous Argillite Minor argillaceous component; argillaceous felsic tuff. 60.80-70.00 FELSIC TUFF Unit is more sericitic-chloritic and weakly Fe-carbonate altered imparting a biege colouration. S2 at 84 deg to ca at 64.0 m ant 82 deg at 67.0 m. Interval is broken with poor core recovery from

From	To	Geological Log
		<p>68.4-70.0 m. 70.00-71.00 Felsic Dyke Light greenish tan coloured, Fe-carbonate altered (green mica bearing - mafic??) altered quartz-feldspar phyric felsic dyke. Interval is badly broken with poor core recovery; faulted. 71.00-82.60 FELSIC TUFF More ribbon banded to laminated felsic tuff defined by sericite-Fecarbonate partings. S2 at 81 deg to ca at 73.5 m and 85 at 78.0 m. Unit is badly broken/faulted/gouged from 71.0-71.4 m and 78.8-79.8 m and 79.0-79.4 m. 82.60-87.40 FELSIC TUFF More siliceous, greyer coloured ribboned unit (weaker Fecarbonate alteration?). Banding still defined by more sericitic fecarbonate rich partings. Bands become more siliceous and very fine-grained. From 87.2-87.4, interval becomes more chloritic with more abundant quartz-pyrite veinlets. S2 at 78 deg to ca at 85.0 m</p>
87.40	87.90	<p>Quartz Vein Quartz-calcite-biotite-chlorite+pyrite(2-5%)-pyrrhotite(tr-1%) vein cutting strongly chlorite-calcite altered felsic tuffs.</p>
87.90	90.60	<p>Altered Felsic Tuff Thinly banded to laminated, tan to medium green chlorite-quartz+pyrite-pyrrhotite and sericite-Fecarbonate-quartz altered felsic tuff. Pyrite occurs as 5-10% disseminations within quartz-chlorite bands with associated pyrrhotite (tr-1%) and trace chalcopyrite, as well as within quartz-calcite+pyrite veinlets. S2 at 53 deg to ca at 88.5 m. Bottom 20 cms is badly broken.</p>
90.60	93.00	<p>FELSIC FLOW Light grey to white, very fine-grained siliceous, massive flow/sill with 3-5% very fine-grained disseminated pyrite parallel to S2. Unit becomes more foliated-ribboned from 92.0-92.6 m with increasing sericite-chlorite content. Unit is badly broken with minor fault gouge and crushed zones from 90.6-91.0 m with abundant pinkish calcite-quartz veins. S2 at 85 deg to ca at 91.0 m.</p>
93.00	94.50	<p>Altered Felsic Tuff Altered felsic tuff, as above. Tan grey to yellowy grey coloured, strongly Fecarbonate altered, very fine-grained, strongly foliated tuff with abundant quartz-pyrite bands (discontinuous sheared veins). Pyrite content is 3-10%. S2 at 52 deg to ca.</p>
94.50	96.90	<p>FELSIC TUFF Tan grey coloured, thinly banded to ribboned, weak to moderately sericite-Fecarbonate altered tuff, as above, containing 2-3% disseminated and veinlet pyrite.</p>
96.90	104.40	<p>FELSIC TUFF Medium grey to weakly tan coloured, more siliceous, more massive, less banded/ribboned textured tuff cut by abundant Fecarbonate-quartz+pyrite veinlets and pinkish calcite-pyrite-quartz veins. Unit becomes more sericite/Fecarbonate altered from 97.5-99.4 m related to pinkish calcite-quartz veining. Trace sphalerite and pyrite occur disseminated in quartz-calcite veins at 100.0-100.2 m. Unit becomes increasingly altered towards the lower contact. S2 at 67 deg to ca at 97.0 m.</p>
104.40	108.70	<p>Altered Felsic Tuff Tan to yellowy tan coloured, strongly Fecarbonate/sericite/pyrite altered tuff adjacent to calcite-quartz+Fecarbonate-fuchshite veins. Medium green chloritic altered intervals are also present. Pyrite 5-10% occurs with trace pyrrhotite as disseminations and in veinlets. S2 at 45 deg to ca at 107.0 m. 107.90-108.70 FELSIC LAPILLI TUFF Broken interval with S2 near parallel to ca due to isoclinal folding.</p>

From	To	Geological Log
108.70	115.80	FELSIC TUFF Thin banded to locally weakly ribboned, light to medium grey, siliceous fine-grained granular tuff with 2-5% disseminated and veinlet pyrite. S2 at 33 deg to ca at 111.0 m.
115.80	125.90	FELSIC TUFF Finer grained, more ribboned to thin banded textures predominate. A fold hinge zone is apparent centered at 103.0 m. S2 at 75 deg to ca 118.0 m and 70 deg to ca at 121.5 m. 118.20-118.90 FELSIC LAPILLI TUFF Fault zone with crushed/gouged ribboned felsic tuffs.
125.90	126.40	Cherty Argillite SILTSTONE Medium to dark grey, siliceous thin banded cherty siltstone/silty argillite (weak to non carbonaceous/graphitic) with minor greenish chlorite-muscovite partings and 2-5% pyrite.
126.40	138.10	FELSIC TUFF As above; thinly ribboned fine-grained granular tuff. S2 is at low angles to the ca reflecting folding. Unit has a slightly higher chlorite content along partings and trace sphalerite at 129.9 m. Unit is darker grey (increased chlorite/muscovite - argillaceous component) from 132.3-133.0 m. From 133.5-134.0 unit is faulted and gouged with poor core recovery. Thin laminations/bands of very fine pyrite-chalcopyrite-pyrrhotite occur at 133.5-133.6 m - trace very fine-grained galena locally occurs in siliceous bands. From 135.3-136.0 m, unit becomes increasingly chloritic. Local porphyritic to fragmental textures are present from 136.2-137.0 m. S2 at 48 deg to ca at 128.5 m.
138.10	138.30	Cherty Argillite Medium grey, banded very siliceous, fine-grained quartz+carbonate giving dark to grey banding colouration. Pyrite content is 2-3%.
138.30	138.90	FELSIC TUFF As above; ribbon banded textures predominate interval.
138.90	139.20	Meta-Basite Sill/Dyke Medium green, porphyritic mafic dyke comprising 55% light tan coloured, Fe carbonate altered, subrounded feldspars with diffuse rims set in a more chloritic (after hornblendes) matrix.
139.20	140.00	FELSIC TUFF As above. 139.30-139.70 FELSIC LAPILLI TUFF Badly broken interval with minor fault gouge and crushed rock. Interval is strongly sericitic/Fe carbonate and chlorite altered.
140.00	146.90	Mafic Flow Very fine-grained, chloritic-calcareous, medium to light green mafic flow(?) with patchy moderate to strong epidote alteration as irregular patchy replacements and epidote-pyrite-quartz-calcite veinlets. Unit is cut by late calcite-quartz+pyrite veinlets. Local Fe carbonate altered giving buff colouration. Pyrite (5-10%) occurs as blebby disseminations and in late veinlets. Minor fault gouge at 144.7 m, 145.6 m, 145.8-146.0 m. S2 deg at 55 to ca at 148.0 m. S2 at 55 deg to ca at 148.0 m.
146.90	154.70	FELSIC FLOW Light to medium green grey to white, very fine-grained, aphanitic, very massive, siliceous felsic flow/sill with 2-5% fine disseminated pyrite and chloritic partings. Unit is cut by quartz-calcite and muscovite-carbonate-quartz veinlets. Unit becomes more ribbon textured from 146.9-147.1 and 152.7-154.7 m. Thin chloritic seams/partings reflect shear planes through more massive unit (chloritic seams with fault gouge at 150.0-150.1, 150.6, 151.4-151.8, 152.5-152.7m). S2 at 60 deg to ca at 152.5 m. 148.00-149.00 FELSIC LAPILLI TUFF Badly broken interval with poor core recovery. 153.60-154.20 FELSIC LAPILLI TUFF Badly broken and sheared felsic flow/sill.

From	To	Geological Log
154.70	156.00	<p>FELSIC LAPILLI TUFF Crushed and fault gouged intrusive.</p>
156.00	169.20	<p>Sheared Meta-Porphyry (Meta-wacke) Badly broken and sheared/foliated, medium-grained (1-4 mm), light greenish grey, equigranular, massive/homogenous quartz-feldspar-chlorite+epidote-muscovite intrusive. Feldspars are white (weak to moderately clay altered) to light green (reflecting epidote+chlorite alteration) and locally pinkish coloured (Kspar). Only trace pyrite present. Locally unit appears silica flooded and is cut by carbonate-quartz veins. Intrusive has a very low mafic component.</p>
169.20	173.70	<p>Sheared Meta-Porphyry (Meta-wacke) Strongly foliated, medium green, chloritic (after mafics), fine-grained (<2 mm) quartz-feldspar porphyry cut by abundant white feldspar-quartz veinlets and occasional reddish hematite-filled fractures. Unit becomes slightly coarser grained and more Kspar rich towards the EOH. Perhaps represents a more intermediate phase of the above intrusive? Upper contact is sharp and not a fault. These intrusives are similar to the poorly exposed granitic intrusives seen up creek and are likely related to the large intrusive at the top of the drainage.</p>

*** END OF HOLE *** 173.70

HOLE NO: EX97-4	SECTION:	GRID:
-----------------	----------	-------

PROJECT CODE : PELLY TT
 TENEMENT : EXPO
 PROSPECT : ELLEN CREEK L300W 135N
 GRID :
 MAP REFERENCE: 105 G 1
 LOCATION : YUKON
 HOLE TYPE :

*** DRILLING SUMMARY ***

Material left in hole:
 Base of complete oxidation
 Top of fresh rock:
 Water first encountered:
 Water inflow estimate:

*** COLLAR COORDINATES AND RL ***

NOMINAL	0.00mN	0.00mE	0.00RL
---------	--------	--------	--------

Pre-collar depth: Final depth: 194.50

Purpose of hole: TEST ELLEN CREEK STRATIGRAPHY

Hole status:

Comments:

93.30	94.90	FELSIC LAPILLI TUFF
94.90	99.60	FELSIC FLOW
99.60	104.50	FELSIC LAPILLI TUFF
104.50	156.60	FELSIC CRYSTAL TUFF
156.60	156.70	FELSIC DYKE
156.70	165.00	FELSIC CRYSTAL TUFF
165.00	174.40	SILICEOUS FELSIC CRYSTAL TUFF
174.40	182.90	FELSIC CRYSTAL TUFF
182.90	183.90	FELSIC DYKE
183.90	185.00	FELSIC CRYSTAL TUFF
185.00	185.10	FELSIC DYKE
185.10	186.90	FELSIC CRYSTAL TUFF
186.90	188.90	FELSIC DYKE
188.90	191.40	SILICEOUS FELSIC CRYSTAL TUFF
191.40	194.50	QUARTZ-FELDSPAR PORPHYRY
194.50		END OF HOLE

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	180.00	-60.00

*** SUMMARY LOG ***

0.00	8.20	OVERBURDEN
8.20	19.20	FELSIC CRYSTAL TUFF
19.20	19.30	TUFFACEOUS ARGILLITE
19.30	20.70	FELSIC CRYSTAL TUFF
20.70	20.80	TUFFACEOUS ARGILLITE
20.80	21.00	META-BASITE SILL/DYKE
21.00	21.10	FELSIC CRYSTAL TUFF
21.10	23.40	FELSIC TUFF FELSIC CRYSTAL TUFF
23.40	36.80	FELSIC FLOW
36.80	40.80	FELSIC TUFF FELSIC CRYSTAL TUFF
40.80	42.10	FELSIC FLOW
42.10	44.70	FELSIC TUFF
44.70	49.80	FELSIC FLOW
49.80	52.50	FELSIC TUFF
52.50	52.60	FELSIC CRYSTAL TUFF
52.60	52.80	FELSIC TUFF
52.80	52.90	FELSIC CRYSTAL TUFF
52.90	53.00	SILICEOUS FELSIC TUFF CHERT
53.00	73.70	FELSIC CRYSTAL TUFF
73.70	76.00	FELSIC TUFF CHERT
76.00	77.20	FELSIC CRYSTAL TUFF
77.20	77.60	FELSIC TUFF CHERT
77.60	84.10	FELSIC CRYSTAL TUFF
84.10	85.00	FELSIC TUFF CHERT
85.00	91.40	FELSIC CRYSTAL TUFF FELSIC LAPILLI TUFF
91.40	93.30	FELSIC FLOW

Checked and signed: _____	Date: _____
---------------------------	-------------

From	To	Geological Log
0.00	8.20	OVERBURDEN
8.20	19.20	<p>Felsic Crystal Tuff Light pinkish green grey, crudely banded/bedded felsic tuff - lapilli tuff with a locally strong Kspar-silica+epidote overprint (vein alteration halos related to porphyry intrusive?). Coarser grained intervals likely represent quartz crystal and lithic fragment rich lapilli bases to granular tuffaceous turbidites grading into relatively thin, fine-grained ashy tops. Quartz-Kspar/feldspar-sericite-chlorite-biotite+epidote(after feldspar) is the mineral assemblage.</p> <p>Bluish to grey quartz crystals are present throughout but are concentrated in coarse basal units. Several quartz-feldspar veins with chlorite-epidote are present (rare garnet occurs in veinlets and adjacent alteration halos). Pyrite (2-5%) occurs as fine-grained disseminations and veinlet/fracture fillings. Kspar-feldspar/quartz blebs with diffuse rims may represent lithic fragments or altered feldspar porphyroclasts. Unit is weakly calcareous with fine disseminated calcite throughout. Minor chlorite-epidote altered intervals occur at 8.5-8.7 and 8.9-9.0 m. S2 at 69 deg to ca at 14.5 m.</p>
19.20	19.30	<p>Tuffaceous Argillite Dark greenish grey, chloritic argillaceous interval with 5-8% disseminated, euhedral, fine-grained pyrite along S2 foliation parallel bands. Interval is generally massive; no interval sedimentary textures.</p>
19.30	20.70	<p>Felsic Crystal Tuff Light to medium green grey, massive, homogenous, crystal bearing felsic tuff with feldspar(variably epidote altered)-quartz crystals (up to 3 mm) set in a matrix of quartz-chlorite-epidote+sericite/muscovite. Unit is well foliated, contains 2-3% fine disseminated pyrite and has sharp but gradational contacts with the above and below units. Unit is weakly calcareous with fine disseminated calcite; as above.</p>
20.70	20.80	<p>Tuffaceous Argillite As above; more tuffaceous component relative to the overlying sedimentary interval.</p>
20.80	21.00	<p>Meta-Basite Sill/Dyke Dark green, strongly foliated. Fine-grained chlorite-biotite-quartz+calcite mafic sill/dyke with trace garnets (<1 mm) and medium to coarse-grained euhedral pyrite (3-8%) disseminations and bands; lower 4 cms contains 40% pyrite.</p>
21.00	21.10	<p>Felsic Crystal Tuff As above.</p>
21.10	23.40	<p>FELSIC TUFF Felsic Crystal Tuff Well banded/bedded, light to medium grey, variably siliceous and calcareous felsic tuff and thin, medium green, quartz-chlorite-epidote-calcite-pyrite+garnet bands/fracture fillings (possible veins?). Unit contains 3-10% very fine-grained disseminated pyrite and trace sphalerite. Chloritic bands are distinctive medium green coloured and contain 3-10% pyrite and trace sphalerite (trace sphalerite also locally occurs as very fine disseminations in cherty bands) and rare galena. Sphalerite most abundant between 21.8-22.7 m. Several calcareous, fine-grained, weakly normally graded quartz crystal rich tuff interbeds (up to 20 cms thick) are present. S2 at 82 deg to ca at 22.0 m.</p>
23.40	36.80	<p>FELSIC FLOW Light green grey, platy/fissile, quartz-sericite/muscovite schist comprising siliceous, aphyric, quartz-rich bands (<3 cms thick) seperated by sericite-muscovite partings. Pyrite occurs as 5-10% fine to coarse-grained euhedral banded disseminations and in quartz+chlorite veins. Pyritic bands range from 1-30 cms at 35.2-35.5 m. Sericite is a pea green colour (Mg-rich?) typical of enveloping alteration halos at KZK and is well developed from 31.4-33.7 m. Unit is badly broken due to mica partings/content from 23.5-26.4 and 31.4-33.7 m. Trace sphalerite/galena are present within pyrite-quartz-chlorite bands/veins? near parallel to S2 foliation (best developed from 28.1-29.1m; good reddish sphalerite bands at 28.9-29.1 m.Present at 23.8 m) and in fracture fillings within</p>

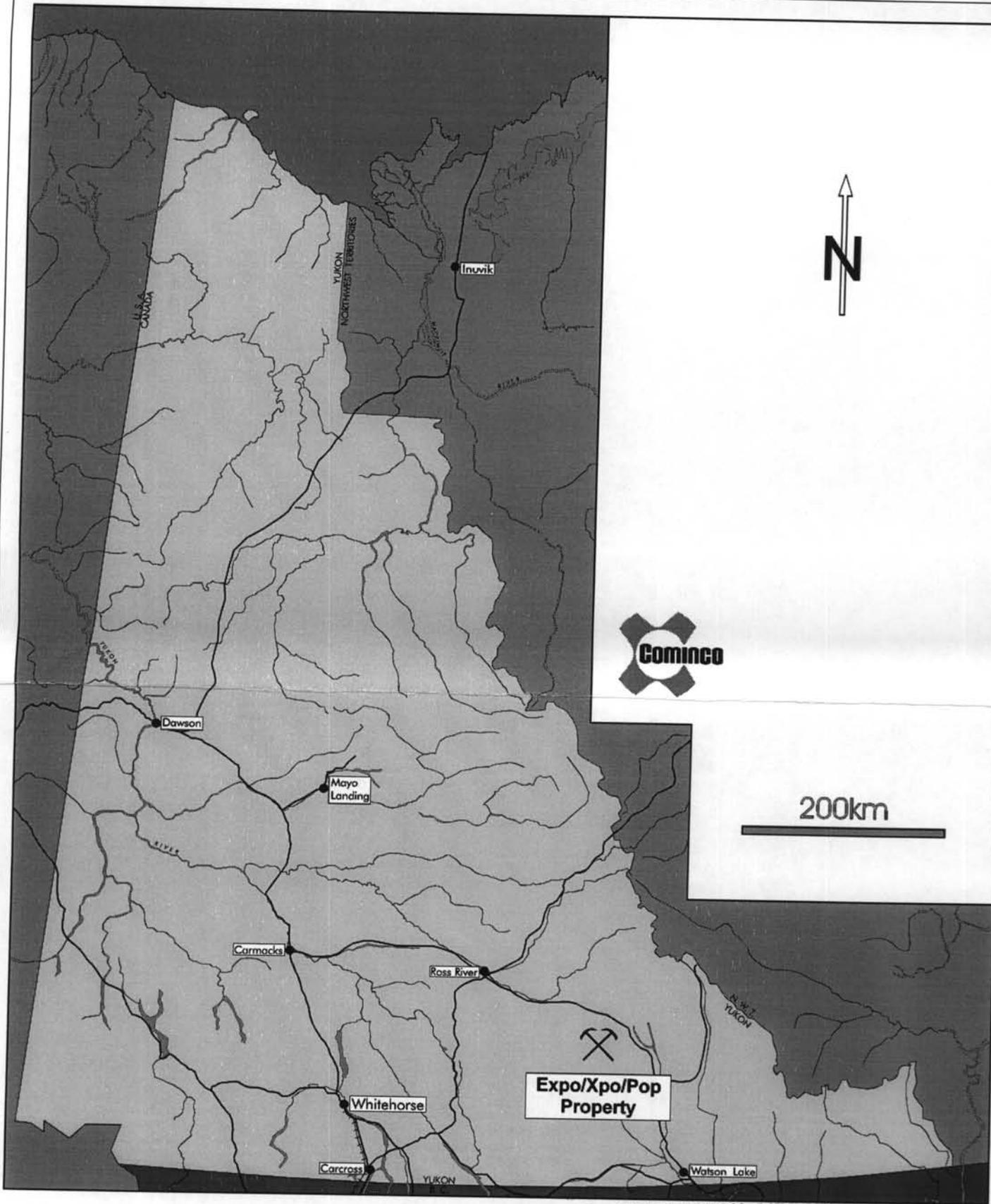
From	To	Geological Log
		siliceous flow. S2 at 62 deg to ca at 26.0 m, 83 deg at 33.0 m and 77 at 36.0 m.
36.80	40.80	FELSIC TUFF Felsic Crystal Tuff Light to medium green grey to grey green, well foliated, fine-grained quartz-sericite-muscovite-pyrite schist which grades into more coarser grained intervals containing <3 mm, light grey to blue grey quartz crystals (3-5%) and locally intervals with elongate, very siliceous flow fragments. Fine ash tuff intervals are quite sericitic (pea green; ie. 36.8-38.2 m) and contain 5%, <0.5 mm light brown Fecarbonate/leucoxene grains throughout. Trace galena present in a quartz vein at 39.2 m. S2 at 80 deg to ca at 40.0 m.
40.80	42.10	FELSIC FLOW White to light greenish grey, very siliceous, fine-grained, aphyric flow/sill with sericite-muscovite+chlorite partings and 5-10% disseminated and fracture filling pyrite throughout.
42.10	44.70	FELSIC TUFF Light to medium grey, fine-grained, strongly foliated, granular textured felsic tuff (quartz-sericite-muscovite schist) with 2-3% fine disseminated pyrite.
44.70	49.80	FELSIC FLOW Light grey to white to greenish grey, aphyric, very siliceous, fine-grained flow/sill; as above. Fine sericite-muscovite+chlorite-Fecarbonate partings with disseminated pyrite are present throughout. Pyrite (2-5%) also occurs as thicker (>2 mm) quartz-Fecarbonate+chlorite veinlets/bands and as heavy to minor euhedral disseminations. Partings/fractures define a crude banding and may reflect an original breccia/lapilli fragmental texture or flattened/transposed veinlets/alteration? Unit is badly broken from 44.7-46.7 m S2 at 77 deg to ca at 46.0 m.
49.80	52.50	FELSIC TUFF As above felsic flow/sill unit but much more granular textured interval with increased shearing and pyrite-quartz+chlorite-sericite veining/banding. Bands up to 9 cms thick, containing up to 50% coarse-grained, recrystallized pyrite and trace-2% chalcopryite, occur within a quartz-sericite(apple green) interval from 50.0-50.8 m. Narrow intervals appear similar to the flow/sill unit above. Unit is well broken from 49.8-51.4 m; minor fault gouge and crushed intervals at 50.0-50.8 m.
52.50	52.60	Felsic Crystal Tuff Light to medium green grey, quartz crystal bearing felsic crystal tuff containing light grey to blue grey quartz crystals (1-3 mms, up to 10%) set in a fine granular quartz-sericite+chlorite-biotite+calcite matrix. White calcite occurs as wispy streaks; biotite occurs as fine to medium grained, foliation parallel patchy disseminations locally associated with calcite streaks. Pyrite (5-8%) occurs as disseminations throughout. Lower contact is weakly sheared.
52.60	52.80	FELSIC TUFF As above; fine granular textured tuff.
52.80	52.90	Felsic Crystal Tuff As above. Unit is broken and weakly crushed and fault gouged.
52.90	53.00	Siliceous Felsic Tuff Chert Light to dark grey to green grey, well banded/bedded interval of cherty tuff, as above, and chert/argillaceous tuff containing 2-3% pyrite.
53.00	73.70	Felsic Crystal Tuff Heterogenous unit comprising medium greenish grey, coarse grained felsic crystal tuffs with 10-20%, grey/blue grey quartz crystals (up to 5 mm) and weakly epidote altered feldspars (<4 mm) set in a sericite+chlorite-calcite-quartz matrix interbedded/banded with light to medium grey, fine crystal tuffs containing predominantly quartz crystals (<1-3 mm) set in a fine-grained, granular quartz-sericite(pea green)+chlorite matrix. Thin siliceous, fine-grained intervals of tuff contain flattened siliceous fragments, up to 2 cms. Unit shows abundant good grading textures in and out of fine and coarse tuffs. Thin quartz-calcite-pyrite+pyrrhotite-sphalerite veinlets/fracture fillings (up to 20-40% pyrite and

From	To	Geological Log
		<p>trace-2% sphalerite) are present locally. Moderate to strong pea green sericite alteration occurs at 58.9-59.9 and 60.4-63.1 m. Trace fine-grained galena and a greyish sulphosalt?? mineral is found disseminated in siliceous felsic fragments/bands from 61.7-63.1 m (also at 68.7 m). Trace chalcopyrite and pyrrhotite occur in thin quartz+calcite-chlorite veinlets at 68.1-68.2 m and at 68.6 m. Thin reddish sphalerite veinlets (2-3 mm) occur at 71.2 m. Between 72.5-73.7 m, crystal tuffs become slightly darker (more sericite/chlorite altered) and contain tan coloured Fecarbonate-sericite partings. S2 at 82 deg to ca at 54.0 m, 81 deg at 60.0 m, 81 at 69.7 m and 80 at 71.0 m.</p>
73.70	76.00	<p>FELSIC TUFF Chert Well banded/bedded, white-light grey to light green grey siliceous aphyric felsic tuff/chert with light to dark green chlorite/sericite+biotite partings. Pyrite (2-3%) occurs in quartz-pyrite bands and as disseminations along micaceous partings. S2 at 79 deg to ca at 75.0 m. 75.00-75.20 Meta-Basite Sill/Dyke Thin calcareous mafic dyke with very chloritic chilled margins.</p>
76.00	77.20	<p>Felsic Crystal Tuff Quartz crystal bearing tuff, as above, with strong patchy Fecarbonate alteration with disseminated leucoxene?</p>
77.20	77.60	<p>FELSIC TUFF Chert As above.</p>
77.60	84.10	<p>Felsic Crystal Tuff As above. Crudely banded, massive, fine to coarse-grained felsic crystal tuffs containing 2-5% disseminated pyrite; fine granular tuffs predominate. Occasional lapilli maybe present, though no siliceous, lapilli bearing intervals are present (as in the above Felsic Crystal Tuff unit). This unit is slightly more greenish coloured reflecting stronger sericite(pea green)+chlorite alteration related to quartz-chlorite+pyrrhotite veins. Trace galena is locally found along foliation planes. S2 at 77 deg to ca at 83.0 m.</p>
84.10	85.00	<p>FELSIC TUFF Chert As above.</p>
85.00	91.40	<p>Felsic Crystal Tuff FELSIC LAPILLI TUFF Very similar to overlying felsic crystal tuff units but show good lapilli fragmental textures (siliceous, aphyric felsic flow fragments) from 86.8-91.4 m. 88.30-89.90 FELSIC LAPILLI TUFF Broken interval with several thin gouge zones from 88.7-89.8 m (88.4-88.6 m; core is lost). Broken interval also marked by increased sericitic alteration.</p>
91.40	93.30	<p>FELSIC FLOW Generally massive, very fine-grained, aphyric siliceous felsic flow with chlorite-sericite/muscovite and trace biotite partings/fracture fillings. Pyrite (2-5%) occurs throughout. Deformed quartz+felspar-chlorite veins with trace sphalerite and galena occur at 92.6, 92.7-92.9 and 93.0-93.3 m. S2 at 77 deg to ca at 91.0 m.</p>
93.30	94.90	<p>FELSIC LAPILLI TUFF Light tan to greenish grey, well foliated, quartz-sericite+Fecarbonate schist containing 60% lapilli fragments (>4 mm, up to 4 cms) of flattened to elliptical shaped, light to medium grey, very fine-grained, aphyric flesic flow (similar to above/below unit) This unit is particularly more carbonate altered and contains 3-5% fine disseminated pyrite throughout and in quartz-chlorite-carbonate veinlets. Bright green Mg-rich sericite is present locally. S2 at 73 deg to ca at 100.5 m.</p>

From	To	Geological Log
94.90	99.60	FELSIC FLOW As above, felsic flow/sill/dome with locally well banded textures due to tan sericite-Fecarbonate and dark green chlorite partings often with 5-10% fine disseminated pyrite (micaceous matrix with siliceous fragments??). Fracture filling pyrite-quartz+sphalerite-chalcopryrite-galena-sericite veinlets and bands are locally abundant (particularly from 97.0-99.5 m). Unit is weakly Mg-sericite+chlorite altered.
99.60	104.50	FELSIC LAPILLI TUFF Light to medium greenish grey, monolithic lapilli tuff, as above, comprising 40-70%, light to medium grey, very fine-grained, very siliceous flow fragments (2-3 cms up to 10 cms) set in a medium green (locally bright green) sericite+chlorite-quartz matrix. Pyrite (2-10%) and trace chalcopryrite occur as fine to medium grained disseminations and in chlorite/muscovite-pyrite+quartz-calcite veinlets/fracture fillings. Unit is increasingly sericite/chlorite altered with respect to the overlying unit. S2 at 73 deg to ca at 100.5 m.
104.50	156.60	Felsic Crystal Tuff Light greenish/yellowy grey to light green grey, fine crystal tuff similar to above fine crystal tuffs; perhaps more sericite-muscovite altered. Unit is crudely banded/bedded (locally good grading present) from slightly coarser intervals with blue grey to grey quartz crystals (<1 cm) and feldspar and hornblende crystals to predominantly a finer crystal tuff with <1-2 mm quartz crystals in a fine, granular quartz-sericite/muscovite+chlorite matrix. Occasional white quartz+feldspar crystal/fragments are present. Pyrite (3-5%) occurs as fine disseminations throughout and in quartz-pyrite-sericite/muscovite veinlets. Minor intervals of waxy greenish sericitic alteration (alteration halos about veins) at 115.2-115.3 and 119.7-120.1 m. Bright jade (apple green) coloured sericite is common. Sericitic lapilli up to 1.5 cms are present at 124.1 and 126.8 m. Quartz-chlorite-pyrite-pyrrhotite+chalcopryrite and arsenopyrite vein from 125.5-125.8 m. Between 127.7-134.9 m, unit is coarser grained with more abundant whitish feldspar (feldspar-quartz) crystals (25%, 3-4 mm) present and contains trace-3% fine disseminated pyrrhotite. From 131.7-134.9 m, 1st appearance of euhedral mafic (hornblende?) crystals scattered throughout in crudely graded, coarse to fine beds; feldspar-quartz crystals are also present in abundance. From 134.9-141.8 m, crystal tuff with no to only minor mafic crystals present. Between 141.8-143.8 m, mafic crystals reappear in a coarse crystal tuff interval; also at 145.7-154.5 m. At 141.6 m, a 3 cm chlorite-epidote-quartz+calcite vein contains 40% pyrite and trace-2% chalcopryrite. S2 at 82 deg to ca at 107.0 m, 79 at 116.0 m, 81 at 123.0m, 81 at 135.0 m and 74 deg to ca at 149.0 m.
156.60	156.70	Felsic Dyke Thin, fine to medium grained Kspar-quartz-hornblende felsic dyke.
156.70	165.00	Felsic Crystal Tuff More massive, granular textured, fine grained crystal tuff with 5% bluish quartz crystals scattered throughout. Feldspar crystals are locally weak to moderately epidote altered. Between 162.0-165.0 m, unit becomes more fragmental textured with abundant diffuse silic blebs (<1 cm) and scattered epidote altered feldspar crystals. Pyrite content is 2-3%. Trace pyrrhotite is present. S2 at 80 deg to ca at 162.7 m.

From	To	Geological Log
165.00	174.40	Siliceous Felsic Crystal Tuff Light greenish grey, very siliceous/silica flooded, quartz crystal bearing tuffs cut by several white quartz+calcite-epidote+Kspar veins with well developed chloritic selvages up to 20 cms wide. Unit contains 2-5% disseminated and vein pyrite. S2 at 77 deg to ca at 171.5 m.
174.40	182.90	Felsic Crystal Tuff Light to medium green grey, hornblende-quartz-feldspar crystal bearing tuff; as above. Unit is crudely bedded and graded from coarse to fine crystal tuffs. From 180.0-182.9 m, unit becomes increasingly darker reflecting stronger chloritic alteration (and epidote-pyrite alteration along bands). Possible very fine brownish garnets are present within locally developed bands of chlorite-epidote-calcite. Pyrite content is 2-3%. Quartz crystals are still abundant. S2 at 76 deg to ca at 178.5 m.
182.90	183.90	Felsic Dyke Light pinkish grey, Kspar-quartz+sericite/muscovite flooded/altered felsic tuff (possible felsic dyke??). Quartz crystals appear to be locally preserved?
183.90	185.00	Felsic Crystal Tuff As above.
185.00	185.10	Felsic Dyke As above.
185.10	186.90	Felsic Crystal Tuff As above; thin felsic dykes (?) at 185.7-185.8 and 185.9-186.0 m.
186.90	188.90	Felsic Dyke As above.
188.90	191.40	Siliceous Felsic Crystal Tuff As above; silicified and dyked(?) felsic crystal tuffs.
191.40	194.50	Quartz-Feldspar Porphyry Massive, coarse-grained, homogenous unit containing 45% light grey to pink Kspars, up to 1 cm, and quartz, up to 1 cm, within a groundmass of fine to medium-grained quartz-feldspar-sericite/muscovite+chlorite. Pyrite content is 2-3%. S2 foliation at 69 deg to ca at 190.5m and 56 deg to ca at 192.5 m.

*** END OF HOLE *** 194.50



200km

**Expo/Xpo/Pop
Property**

DIAND - YUKON REGION, LIBRARY

Drawn by: _____ Traced by: a. m. a.

Revised by:	Date:	Revised by:	Date:

**EXPO/XPO/POP
PROPERTY LOCATION**

093816

105 G/1,8

Scale: As Shown

Date: August 1997

Plate: 1

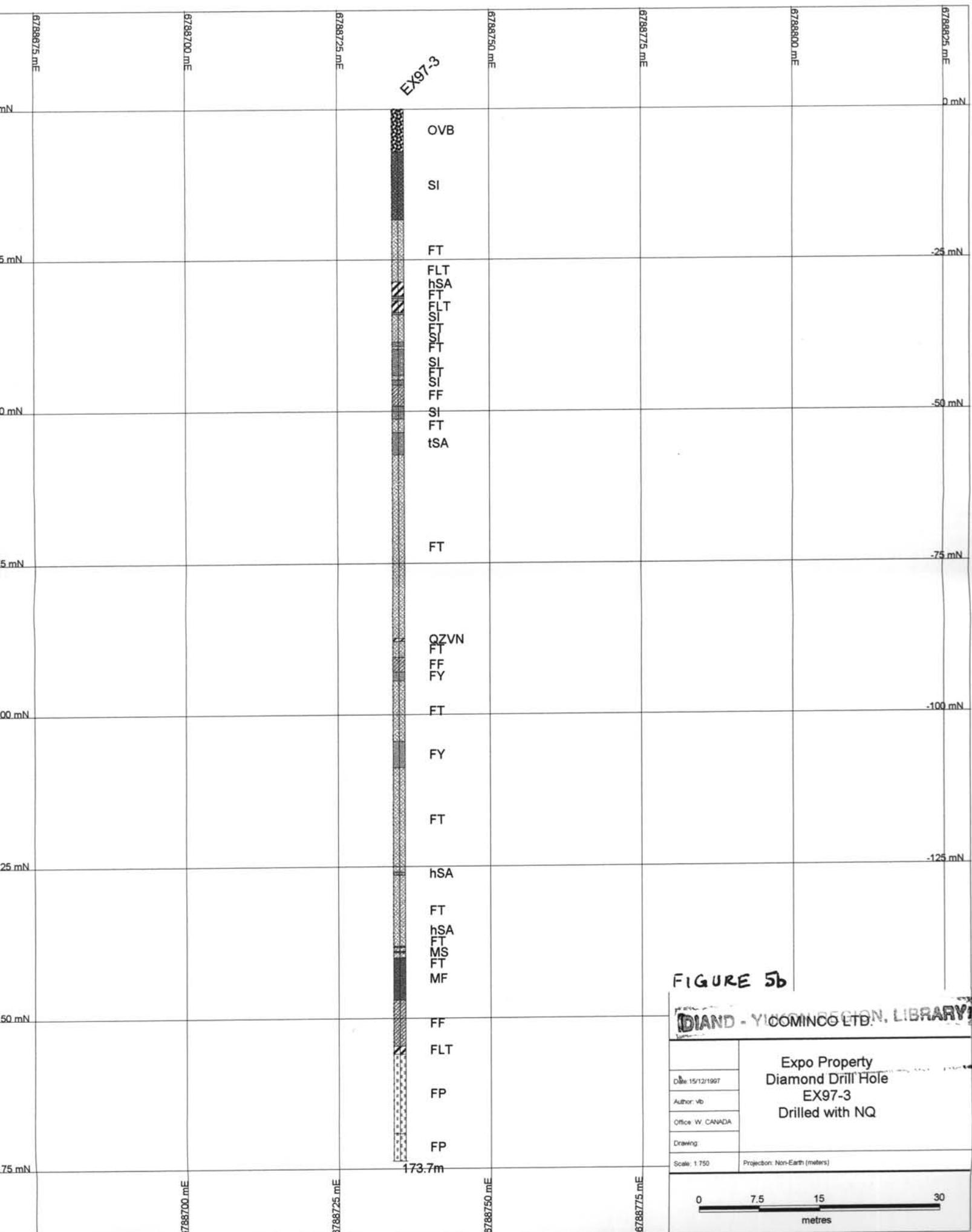
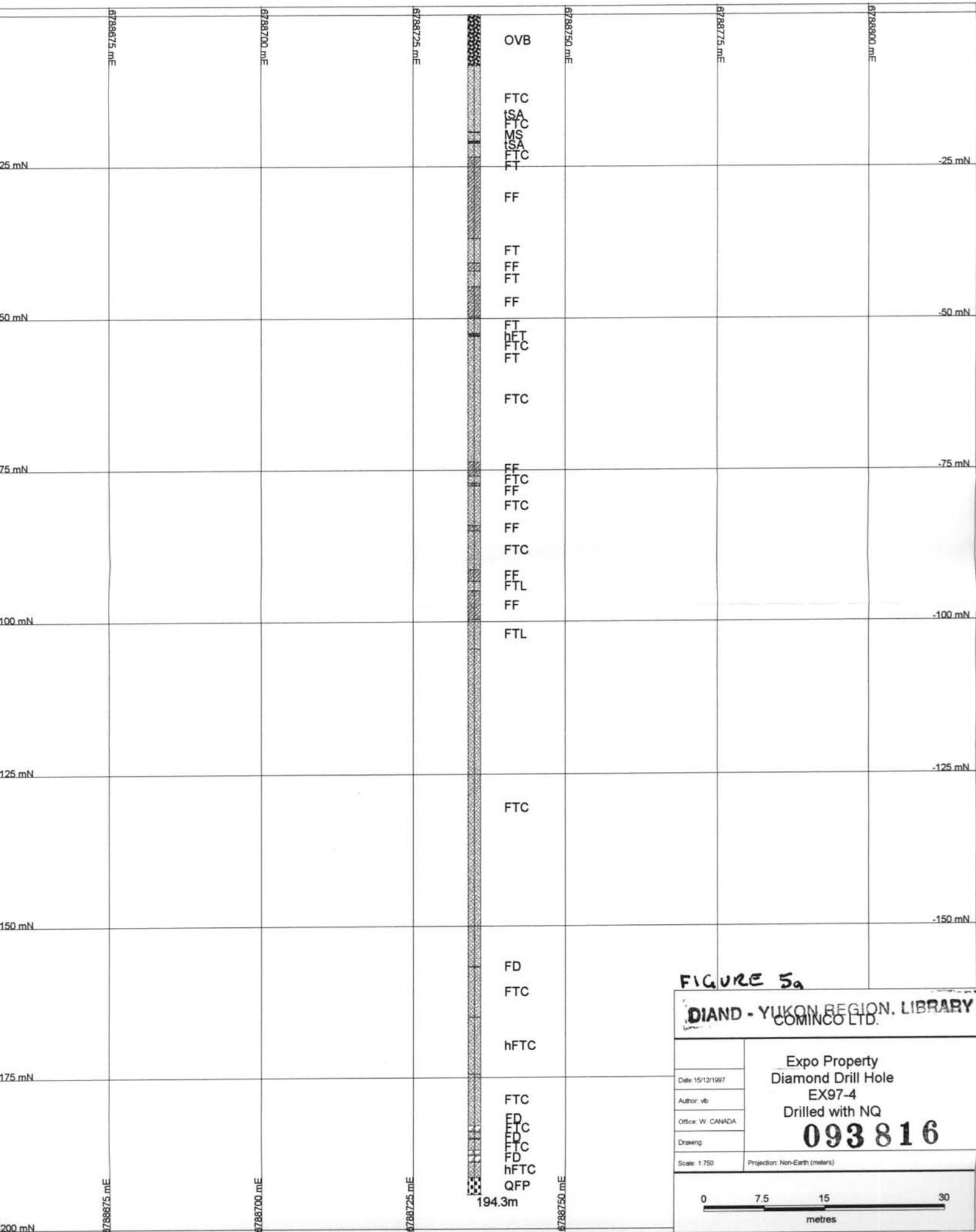


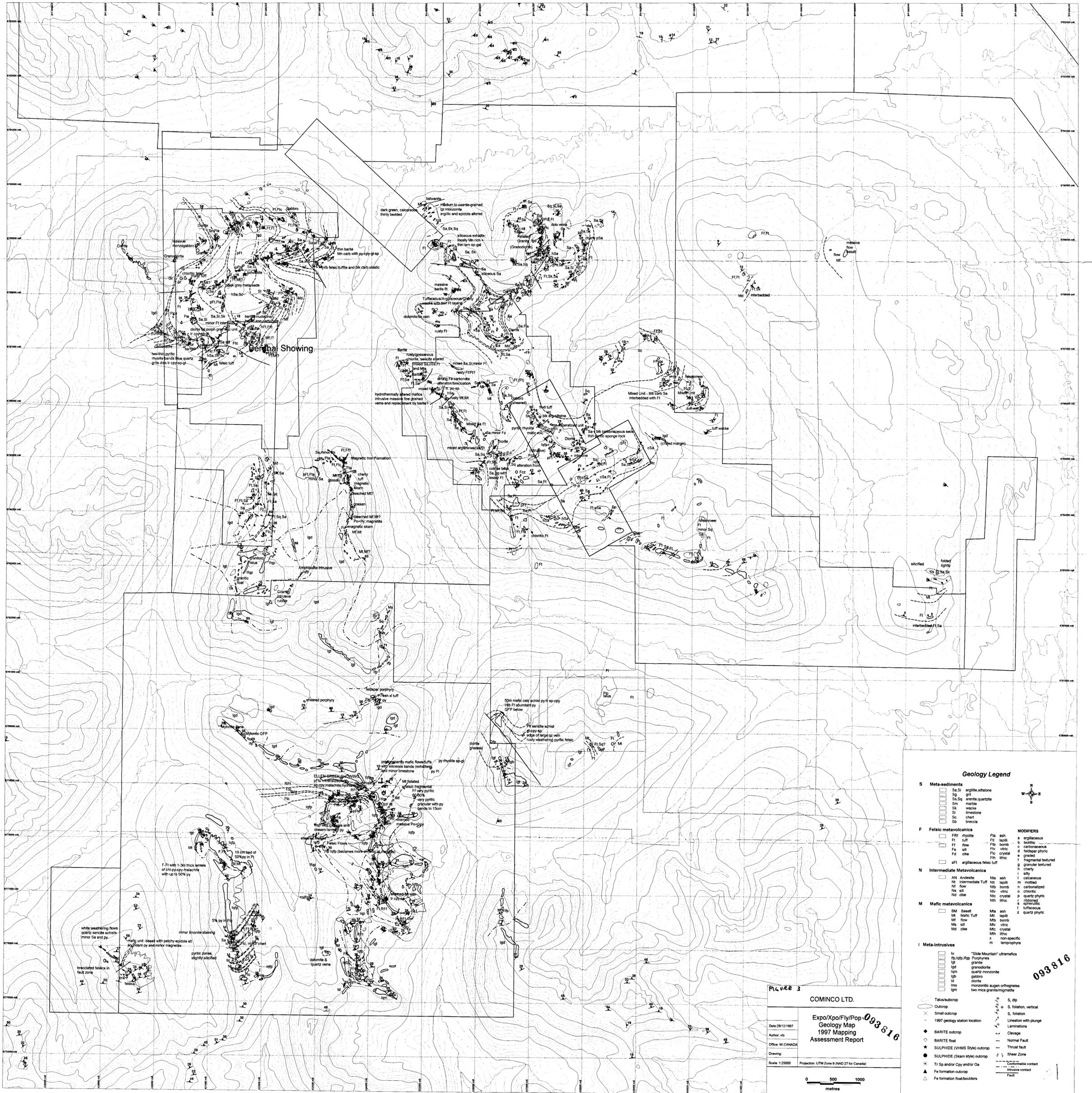
FIGURE 5b

DIAND - YICOMINCO LTD. LIBRARY

Expo Property Diamond Drill Hole EX97-3 Drilled with NQ	
Date: 15/12/1997	
Author: Vb	
Office: W. CANADA	
Drawing:	
Scale: 1:750	Projection: Non-Earth (meters)

0 7.5 15 30 metres





General Showing

Geology Legend

S Meta-sediments	Sa Si argillite/siltstone	Sg grt arenite quartzite	Sm marble	Sk waste limestone	Sl chert	Sb breccia	
F Felsic metavolcanics	FRI rhyolite	Ft ash	Ft lapilli	Fb bombs	Fv vitric	Fc crystal	Fh tuffic
N Intermediate Metavolcanics	AN Andesite	Nt ash	Nt lapilli	Nf flow	Nv vitric	Nc crystal	Nh tuffic
M Mafic metavolcanics	BM Basalt	Mt ash	Mt lapilli	Mf flow	Mv vitric	Mc crystal	Mh tuffic
I Meta-intrusives	Iu ultramafic	Ig granite	Igt granodiorite	Igm monzonitic augen orthogneiss	Ist two mica granite/migmatite		

MODIFIERS

a	argillaceous	b	baulitic	c	carbonaceous	d	bedded	e	graded	f	fragmental textured	g	granular textured	h	cherty	i	silty	j	calcareous	k	mottled	l	carbonized	m	ochreous	n	quartz phytic	o	ribbed	p	spherulitic	q	tuffaceous	r	quartz phytic	s	zoned
---	--------------	---	----------	---	--------------	---	--------	---	--------	---	---------------------	---	-------------------	---	--------	---	-------	---	------------	---	---------	---	------------	---	----------	---	---------------	---	--------	---	-------------	---	------------	---	---------------	---	-------

Structural Features:

- Talus/subcrop
- Outcrop
- Small outcrop
- 1997 geology station location
- BARITE outcrop
- BARITE float
- SULPHIDE (VHMS Style) outcrop
- SULPHIDE (Skarn style) outcrop
- Fe formation outcrop
- Fe formation float/boulders
- S, dip
- S, foliation, vertical
- S, foliation
- Lineation with plunge
- Laminations
- Cleavage
- Normal Fault
- Thrust fault
- Shear Zone
- Conformable contact
- Intrusive contact
- Fault

FIGURE 3

COMINCO LTD.

Expo/Xpo/Fly/Pop 093816

Geology Map
1997 Mapping
Assessment Report

Date: 28/12/1997
Author: vrb
Office: W.CANADA
Drawing:
Scale: 1:25000 Projection: UTM Zone 9 (NAD 27 for Canada)

0 500 1000 metres

093816

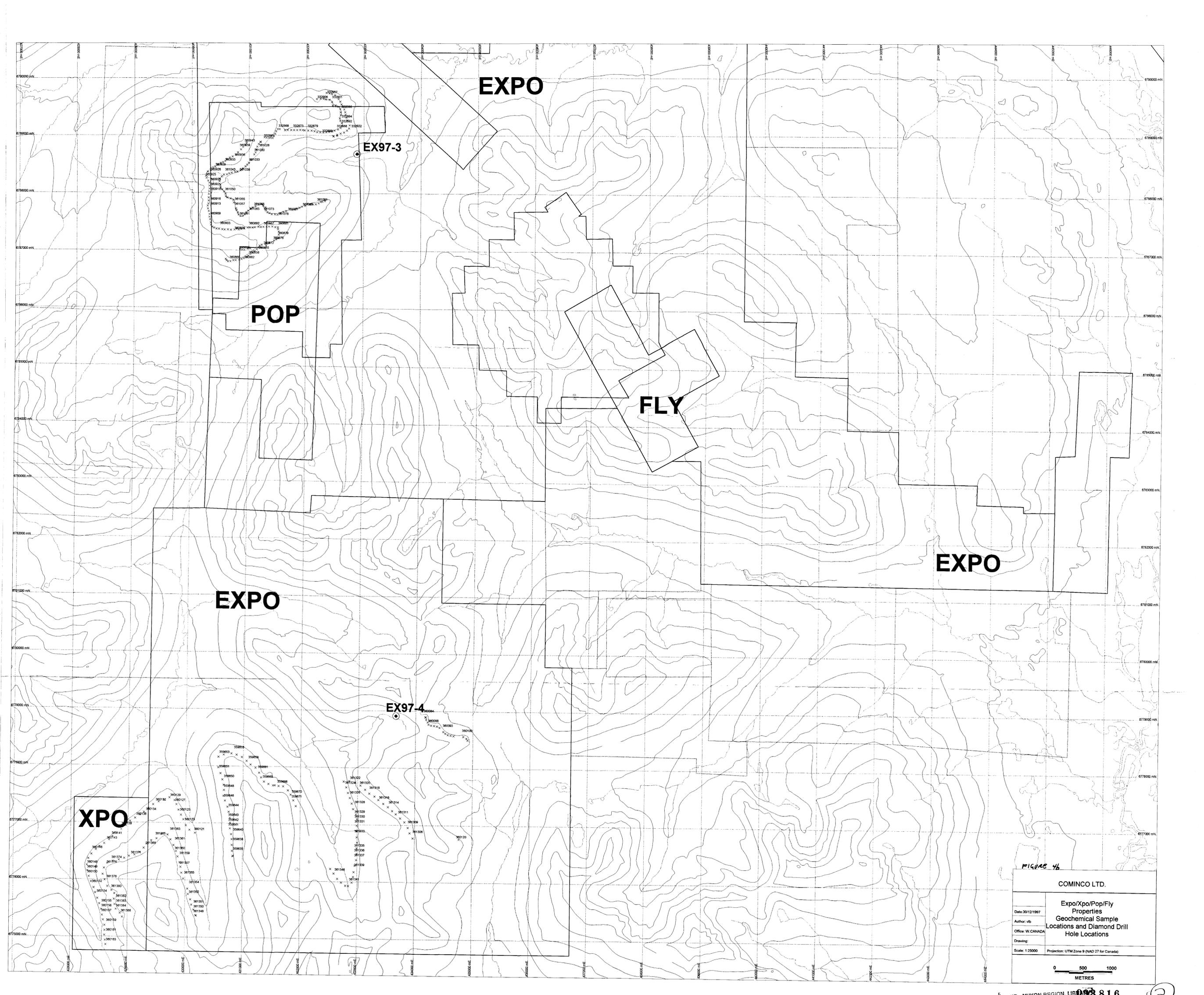


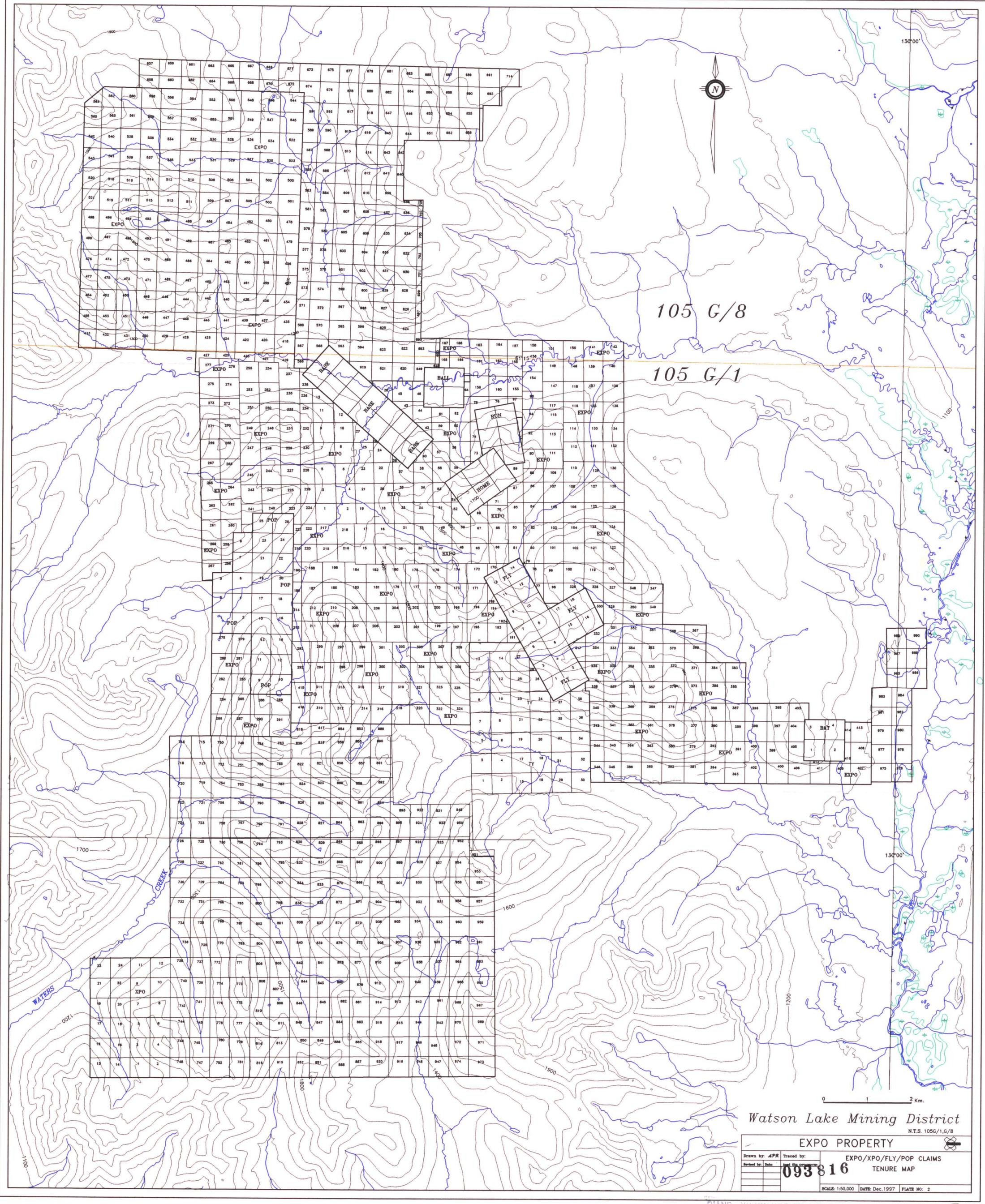
FIGURE 46

COMINCO LTD.

Expo/Xpo/Pop/Fly
Properties
Geochemical Sample
Locations and Diamond Drill
Hole Locations

Date: 30/12/1997
Author: vb
Office: W.CANADA
Drawing:
Scale: 1:25000
Projection: UTM Zone 9 (NAD 27 for Canada)

0 500 1000
METRES



105 G/8

105 G/1

Watson Lake Mining District
N.T.S. 105G/1,G/8

EXPO PROPERTY

Drawn by: J.P.R.	Traced by:	EXPO/XPO/FLY/POP CLAIMS TENURE MAP
Revised by: Date:	As of: Date:	
093816		
SCALE: 1:50,000		DATE: Dec. 1997
		PLATE NO: 2

