COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105G/7,8,9,10

1997 ASSESSMENT REPORT

TAG PROPERTY (KZK PROJECT) AND COBB PROPERTY

DIAMOND DRILLING AND MINOR GEOLOGICAL MAPPING

AND SOIL/ROCK GEOCHEMISTRY

WATSON LAKE M.D., YUKON

CAMPBELL RANGE AREA

WORK PERIOD

MAY 4-JULY 5; JULY 15, 17 AND JULY 19-AUGUST 21, 1997

LATITUDE: 61°30'

LONGITUDE: 130°40'

PAUL A. MacROBBIE
VICTORIA BANNISTER

MAY 1998

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 21,749.00.

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

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Cominco Ltd.

Exploration
NTS: 105 G 7-10

Western Canada
May, 1998

1997 ASSESSMENT END REPORT

TAG PROPERTY (KZK PROJECT) AND COBB PROPERTY, YUKON TERRITORY

1.0 SUMMARY

The Kudz Ze Kayah Project, comprising 1,793 units, is located on the northern flank of the Pelly Mountain range, 115 km southeast of Ross River, Yukon, and is accessed by the gravel, all-weather Robert Campbell Highway which links the towns of Watson Lake and Ross River.

The 1997 KZK field program involved 5 components:

1. Linecutting, totaling 102.3 lkms, was completed on the Main grid (100.8 lkms) and on the Fault Creek grid (1.5 lkms),
2. minor detailed geological mapping confined to an area of the northeast TAG Property, north of the ARM Property,
3. soil geochemistry sampling, totaling 326 samples, confined to areas of the northeast TAG Property (220 samples) and on the Fault Creek grid (106 samples), over the newly discovered Fault Creek Zone,
4. ground geophysical surveys comprising 132.6 lkms of Magnetics, 96.0 lkms of UTEM, 5.5 lkms of Gravity and 3.0 lkms of HLEM. These surveys consisted of UTEM and Magnetic surveys over the newly cut Main grid, extending to the east to the ON JV ground, and detailed HLEM, Magnetic and GRAVITY surveys over UTEM/HLEM/MAG targets proximal to ABM, including the Fault Creek grid, and,
5. diamond drilling of 17 holes, totalling 3,566 metres, testing the down-dip/down-plunge and fault offset margins of the ABM Deposit and several discrete geophysical/geological/geochemical targets identified in 1995/96.

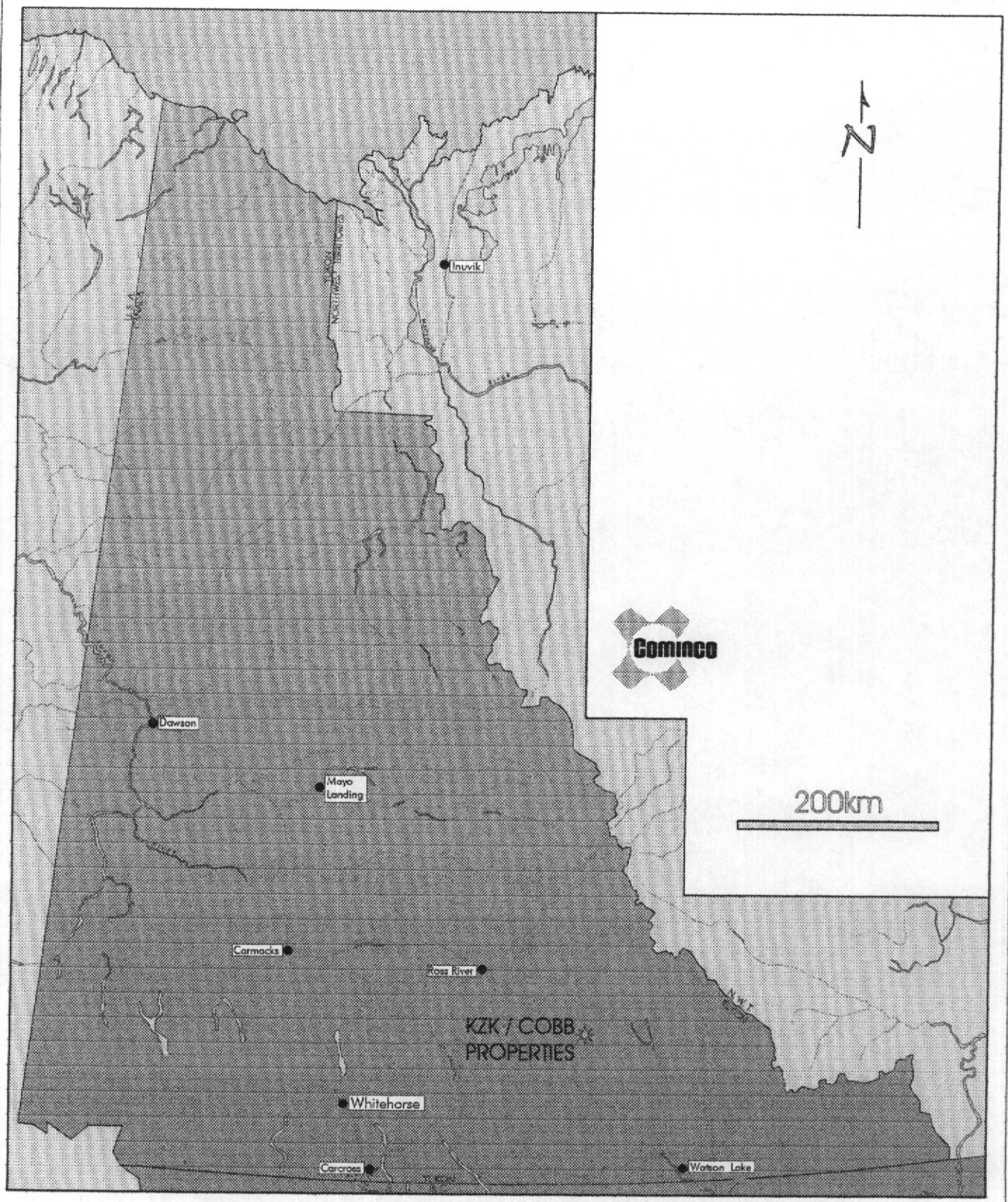
Geological mapping and soil geochemistry in the area of the NE TAG area confirmed our interest in this area; however, the low topography, very poor outcrop exposure, lack of ground control and shallow dips of stratigraphy result in an uncertain geochemical picture and a confused airborne geophysical picture for the area. This area has good potential to host a significant Wolverine-type massive sulphide deposit, which may positively affect the economics of the KZK and Wolverine deposits.

Diamond drilling in 1997 consisted of 17 holes totalling 3,566 metres. This includes 7 holes in the immediate ABM Deposit area testing the down-dip/down-plunge and fault offset margins of the deposit and a UTEM response immediately to the west of the deposit. Two holes were drilled to the east of the deposit and a total of 8 holes were drilled in the immediate Fault Creek Zone area.

Drilling to the northeast, down-dip/down-plunge, of the ABM deposit did not intersect any massive sulphides. All 3 holes did intersect thick intervals of waxy and yellow coloured, sericite-silica altered felsics (FZ) which typically envelop the deposit. Foliation fabrics indicate that these alteration zones appear to be located in the hinge zone of an isoclinal fold, the closure of which would close the deposit up-dip of the 1997 holes. DDH K97-174 appears most significant in that it also intersected 3 thin, intervals of proximal, locally porphyroblastic chlorite/biotite-ankerite-muscovite±albite alteration which contain up to 10% sphalerite-galena-pyrite±pyrrhotite as thin bands and wispy disseminations. The thickest interval graded 0.09% Cu, 1.14% Pb, 3.53% Zn and 20.5 g/t Ag over 2.5 metres.

Three holes (K97-173, K97-175 and K97-178) were completed on the east side of the ABM Deposit, in the down-dropped fault block between the East Fault and Fault Creek Fault, to test for the continuation of the orebody. This drilling resulted in alteration and 3 massive sulphide intercepts in hole K97-173. The most significant intercept graded 0.64% Cu, 3.71% Pb, 7.51% Zn, 206.3 g/t Ag and 2.4 g/t Au over 2.9 metres. The other 2 holes intersected thick intervals of locally strongly faulted and gouged, waxy and yellow coloured, sericite-silica alteration.

Although the structural complexity in this area is certainly evident in K97-175 and K97-178, holes K97-173 and K95-124 are not too badly faulted, perhaps suggesting that a 100-125 metre wide block with massive



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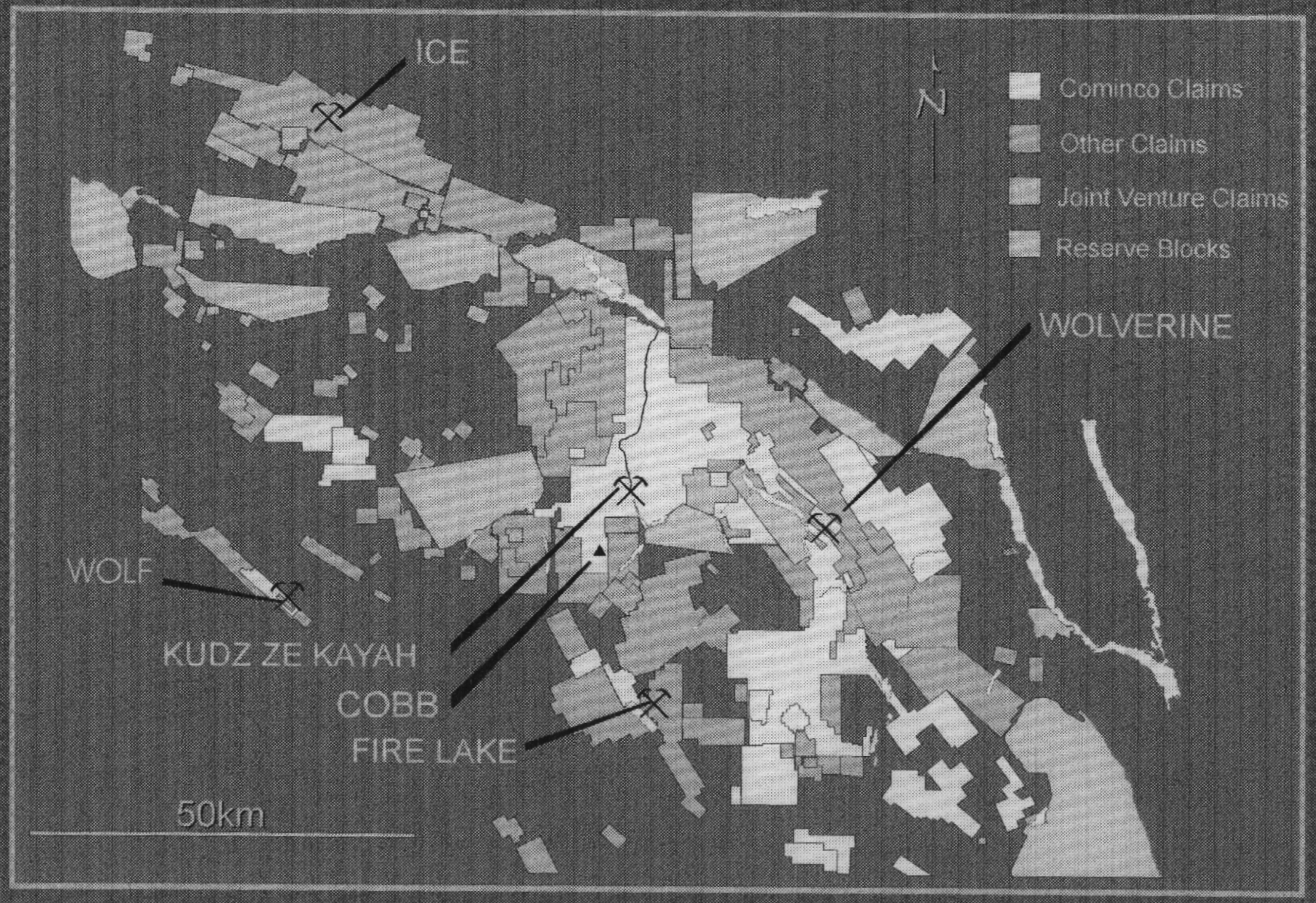
KZK / COBB PROPERTIES

Location Map

Scale:	Date:	Plate:


ICE
N
Cominco Claims
Other Claims
Joint Venture Claims
Reserve Blocks
WOLVERINE
WOLF
KUDZ ZE KAYAH
COBB
FIRE LAKE
50km

sulphides may exist adjacent to the East Fault. The up-dip potential for significant sulphides appears to be low given the results of K97-178 and 175; however, the potential along strike parallel to the East Fault is excellent.

DDH K97-177 was drilled along the western margin of the ABM Deposit, to test a shallow UTEM response. This hole intersected a 1.5 metre thick siliceous, variably carbonaceous and pyritic argillite grading 0.11% Cu, 0.34% Pb, 1.14% Zn and 27.4 g/t Ag. This unit appears to explain the geophysical response.

The most significant drilling result of 1997 was K97-181 which was drilled to intersect an HLEM/Mag feature located at about 4550N on L4750E, south of the Fault Creek Fault. The hole intersected a significant, 6.4 metre thick zone (Fault Creek Zone-FCZ) right at the top of the hole, consisting of Cu-rich, massive to banded to net textured sulphides grading 5.15% Cu, 1.02% Pb, 5.59% Zn, 140.5 g/t Ag and 2.4 g/t Au. Drilling up-dip in holes K97-183 and 183A (45 metres south of K97-181) was disappointing. Both holes recovered sulphide rubble at the overburden/bedrock interface. K97-183 returned 2.1 metres of 3.39% Cu, 0.88% Pb, 11.49% Zn, 99.3 g/t Ag and 0.7 g/t Au; however, core recovery over this interval was only 29%. K97-183A was not successful in attempting to get better recovery of the sulphides at the bedrock surface. DDH K97-184 was a 50 metre step-out hole to the southwest of K97-181. The hole, however, collared and terminated in the Fault Creek Fault. Hole K97-185 was a 50 metre step-out to the northeast of K97-181. This hole intersected 2 small angular fragments of massive pyrite at the base of overburden suggesting the FCZ to have been eroded at this point.

The FCZ is a significant near surface, high grade zone and is the first occurrence of significant sulphides south of the Fault Creek Fault. However, the zones location adjacent to Fault Creek appears to limit it's size (~35 m down-dip of K97-181) and holes K97-184 and 185 indicate a limited strike length of ~100 metres.

Two other holes (K97-186 and 187) were completed in the FCZ area testing a weak UTEM anomaly and a magnetic anomaly. Both holes intersected FZ alteration, particularily K97-186. Neither hole intersected significant mineralization.

Geological mapping on the COBB Property in 1997 indicates the property to be underlain by a relatively flat lying and strongly isoclinally folded, sequence of schistose Yukon Tanana Terrane quartzose meta-sediments and minor felsic meta-volcanics.

A favourable geological setting for KZK-type VMS mineralization does exist. Lithologies of Murphy's UNIT4 and 3f are present; correlating to the hangingwall sediment/sill complex and ore-hosting felsic volcanic sequence at KZK.. The presence of felsic meta-flows/sills and suggestions of lateral thickness and facies variations suggest that a felsic volcanic center is present near the COBB/OVERTIME Property boundary. Although a felsic center is present, the thickness of felsic complex is relatively thin (about 200-300 m) with respect to KZK.

Weak, conformable, low Fe, Zn±Pb mineralization is present at, at least, 2 stratigraphic levels and is often associated with carbonaceous meta-sediments near the felsic meta-volcanic contacts. Alteration is generally weak comprised primarily of Fe-carbonate alteration; proximal chloritic alteration has not been observed on the property.

Diamond drilling tested the upper limb of the isoclinal fold, but did not intersect any mineralization of significance. The potential of the property to host a significant VMS deposit is seen as low. No further work is recommended for the COBB at this time.

2.0 LOCATION AND ACCESS

The Kudz Ze Kayah Project area (TAG Property) is located on the northern flank of the Pelly Mountain range, 135 km south of Ross River, Yukon (Figures 1, 2). The area is accessed by the gravel, all-weather Robert Campbell Highway which links the towns of Watson Lake and Ross River. The ABM VHMS Deposit is located in the upper end of the Geona Creek valley 23 km south of Finlayson Lake. A 24 km long, 4m wide all weather tote road connects the deposit to the Robert Campbell Highway.

The COBB Property is located 10 km southwest of the ABM Deposit and west of the southern North Lake. The property adjoins the TAG Property along its' northern edge.

3.0 PROPERTIES AND OWNERSHIP

Cominco Ltd. owns both the COBB Property and claims that comprise the Kudz Ze Kayah Project 100% (Figures 3, 4).

Kudz Ze Kayah Project comprises 1,793 mineral claims encompassing an area of about 37,000 ha (91,000 acres). The COBB Property comprises 88 units. Claims are tabulated as follows:

TABLE 1. KZK and COBB TENURE

NAME	UNITS	DUE DATES
KZK PROJECT		
HOME 1-17	17	Apr. 15/2011
PLATE 1-25	25	Apr. 15/2011
LIMY 1-9	9	Apr. 7/2008
LY 1-15	15	Apr. 7/2008
EL 1-8	8	Apr. 7/2008
DOG 1-4	4	May 15/2003
KZK Fr. 1-29	29	Apr. 12/2002
TAG 1-30	30	Apr. 15/2011
TAG 31-387	357	Apr. 15/2004
TAG 387-397	10	Apr. 7/2004
TAG 398-461	64	Apr. 15/2004
TAG 462-488	27	Apr. 15/2000
TAG 489-516	28	Apr. 15/2004
TAG 517-557	39	Apr. 15/2000
TAG 558-560	3	Apr. 15/2004
TAG 561, 562	2	Apr. 15/2008
TAG 563-576	14	Apr. 7/2005
TAG 577-632	56	Apr. 7/2004
TAG 633-636	4	Apr. 15/2004
TAG 637-640	4	Apr. 15/2008
TAG 641-656	16	Apr. 7/2005
TAG 657-711	55	Apr. 7/2004
TAG 712-715	4	Apr. 15/2004
TAG 716-719	4	Apr. 15/2008
TAG 720-735	16	Apr. 7/2005
TAG 736-786	51	Apr. 7/2004
TAG 787-792	6	Apr. 15/2004
TAG 793, 794	2	Apr. 15/2008
TAG 795-810	16	Apr. 7/2005
TAG 811-856	46	Apr. 7/2004
TAG 857-862	6	Apr. 15/2004
TAG 863, 864	2	Apr. 15/2008
TAG 865-880	16	Apr. 7/2005
TAG 881-927	47	Apr. 7/2004
TAG 928-935	8	Apr. 15/2004
TAG 936-951	16	Apr. 7/2005
TAG 952-1000	49	Apr. 7/2004
TAG 1001-1016	16	Apr. 7/2005
TAG 1017-1057	41	Apr. 7/2004
TAG 1057-1114	58	Apr. 15/2004
TAG 1115-1184	70	Apr. 15/2000
TAG 1122-1184	63	Apr. 15/1999
TAG 1185-1264	80	Apr. 15/2000
TAG 1265-1297	33	Apr. 15/2001
TAG 1297-1304	8	Apr. 15/2000
TAG 1305-1448	152	Apr. 15/2001

TAG 1449-1543	93	Apr. 15/2000
TAG 1544-1553	10	Apr. 15/2004
TAG 1554-1559	6	Apr. 15/2000
TAG 1560-1564	5	Apr. 15/2004
TAG 1565-1621	57	Apr. 15/2000
COBB PROPERTY		
COBB 1-88	88	Jun. 15/2001

Bolded TAG claims have duplicated claim numbers but different tenure numbers. Of the 1,793 mineral claims, 1,604 of the claims have been capitalized; expenditures on these claims are tracked separately and treated accordingly by corporate accounting.

Tenure information on all claims is found in Appendix 1.

4.0 PREVIOUS WORK

Cominco's interest in the area was heightened in 1992 when soil and silt geochemical sample results from a Cominco reconnaissance program that year confirmed and expanded upon an anomalous silt sample released in the Geological Survey of Canada's regional geochemistry silt survey for NTS mapsheet 105G, Open File 1648 (Homebrooke and Friske, 1988).

In 1993, a small follow-up program within the anomalous drainage resulted in the location of a well mineralized, layered sulphide cobble by A.B.Mawer. At the same time potential host rocks for the mineralized float were recognized. A reconnaissance UTEM geophysical survey was immediately implemented over the projected trace of the prospective units where they disappear beneath quaternary cover in the valley floor. This survey identified an EM feature representing a possible source for the mineralized float. The first TAG claims were subsequently staked and recorded August 20, 1993 to cover the geophysically responsive feature; a Magnetics survey was also carried out during staking. Further Mag/HLEM and soil surveys were completed later that fall and successfully defined a drill target.

The target was drilled in April, 1994, with the first hole completed on April 20 intersecting 22.5 m of sulphide rock in two zones. Three additional holes were drilled in April; each intersecting mineralization over significant widths. The weighted average grade of sulphides in the discovery hole is 0.5% Cu, 2.8% Pb, 10% Zn, 278 g/t Ag and 2.9 g/t Au. The sulphide body was named the ABM zone by Exploration in recognition of A.B.Mawer's contribution towards the discovery and distinguished career with Cominco. Fifty two DDHs, totalling 8,485 m, were completed in 1994 along with ground and airborne geophysical surveys, detailed mapping in the vicinity of the deposit, regional and detailed exploration geochemistry and baseline environmental sampling.

In 1995, an additional 133 DDHs, totalling 16,178 m, were completed at the deposit and regionally. Additional exploration soil sampling, minor geological mapping and ground geophysical surveys were completed. Geotechnical investigations, detailed engineering/mine planning, bulk metallurgical sampling, environmental monitoring and archaeology studies were well under way or completed, as well as the construction of a 22 km all-weather tote road from the Robert Campbell Highway. A prefeasibility engineering study was completed in July 1995.

The 1996 program involved regional,1:20,000 scale geological mapping outside the immediate ABM Deposit area, minor linecutting, ground geophysical surveys and soil geochemistry over the NE part of the TAG Property and diamond drilling of 1 DDH, totalling 99 m, on the GP3L grid located north of the COBB Property. Minor structural mapping and core logging was completed at the ABM Deposit.

To the end of 1996, a total of 161 exploration DDHs and 15 metallurgical DDHs were drilled in the immediate deposit area and another 10 exploration DDHs were drilled into other ground geophysical targets elsewhere on the TAG property.

Environmental studies, metallurgical testing and permitting activites at KZK are ongoing.

The COBB Property was staked in 1995 after the discovery of Zn-Pb mineralized float while conducting prospecting and contour soil sampling to follow-up anomalous stream silt geochemistry in nearby drainages. In 1996 a program of soil

geochemistry sampling and minor geological mapping was completed (Bannister, 1997). This work identified a 1-2 km long area of anomalous Pb (>75 ppm, peak 1,003), Zn (>400 ppm, peak 5,638), Cu (>50 ppm, peak 375) and elevated Ba (up to 12,409 ppm) and Ag (up to 3.9 ppm) values.

5.0 1997 FIELD WORK

5.1 TAG (KZK) PROPERTY

The 1997 field program was conducted between early May and late August. The 1997 field program was conducted between early May and late August and involved 5 components:

1. Linecutting, totaling 102.3 lkms, was completed on the Main grid and on the Fault Creek grid,
2. minor detailed geological mapping confined to an area of the northeast TAG Property, north of the ARM Property,
3. soil geochemistry sampling, totaling 326 samples, confined to areas of the northeast TAG Property with anomalous 1995/96 soils and on the Fault Creek grid, over the newly discovered Fault Creek Zone,
4. ground geophysical surveys comprising 132.6 lkms of Magnetics, 96.0 lkms of UTEM, 5.5 lkms of Gravity and 3.0 lkms of HLEM. These surveys consisted of UTEM and Magnetic surveys over the newly cut extension of the Main grid, east of ABM, and detailed HLEM, Magnetic and GRAVITY surveys over UTEM/HLEM/MAG targets proximal to ABM, including the Fault Creek grid, and,
5. diamond drilling of 17 holes totalling 3,566 metres testing the down-dip/down-plunge and fault offset margins of the ABM Deposit and several discrete geophysical/geological/geochemical targets identified in 1995/96.
    - 7 DDHs completed in the immediate ABM Deposit area.
        - 3 DDHs (K97-172, 174, 176) drilled down dip/down plunge of the ABM Deposit.
        - 3 DDHs (K97-173, 175, 178) drilled into the down dropped eastern edge of the ABM Deposit.
        - 1 DDH (K97-177) drilled on a UTEM anomaly on strike to the west of the ABM Deposit.
    - 2 DDHs (K97-179, 180) drilled east of the ABM Deposit; 1 testing a 1997 UTEM anomaly.
    - 8 DDHs (K97-181 to 187) were drilled into the Fault Creek Zone and immediate area.

Only geological mapping/soil geochemistry and diamond drilling are reported here.

5.1.1 GEOLOGICAL MAPPING AND SOIL GEOCHEMISTRY

The Yukon-Tanana Terrane (YTT) of southeastern Yukon consists of a 400 km long by a maximum 60 km wide, slug-shaped, Devono-Mississippian, deformed and metamorphosed volcano-sedimentary belt, interpreted to have formed as a marginal or back-arc, shale basin developed along the rifted continental margin of ancestral North America.

The Yukon-Tanana Terrain structurally represents a multiply deformed fold and thrust belt that initially developed by regional sub-horizontal compression during an extended period of continental accretion but was subsequently affected by periods of compression and extension, associated with movements along the Tintina Fault. There is evidence of five distinct phases of deformation, labeled D_1 through D_5, as discussed by Szybinski (1996 File Note). The first three phases were regionally penetrative and involved ductile simple shearing, faulting and folding.

Prograde regional metamorphic grades generally decrease from lower amphibolite-facies rocks, within the western-central parts of the terrane, to greenschist-facies rocks throughout most of the remainder of the belt. Many amphibolites, however, contain pseudomorphic chlorite after metamorphic hornblende, indicating that the belt has undergone a period of extensive retrograde regional metamorphism.

Property geology is well described by Schultze and Hall (1997).

Minor detailed geological mapping was confined to the NW corner of the TAG Property, north of the ARM Property, to investigate areas identified in 1996 as having elevated/high soil geochemistry. It was recognised that this part of the TAG Property was on strike of and underlain by stratigraphy equivalent to that hosting Boliden and Atna's Fisher and Wolverine/Lynx Zones, located 20 kms to the southeast (Figure 5a). However, this part of the TAG Property is low lying; this, coupled with shallow to relatively flat dipping stratigraphy, results in very poor to non-existant outcrop exposure. The 1997 maping was successful in locating only a few new outcrops and did not add significantly to the geological picture.

A total of 220 soils samples were collected along flagged lines in the NW corner area of the TAG Property to follow-up 4 areas of anomalous soils collected in 1996 (Figure 5b). 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. Selected samples are being analysed for Au by Aqua Regia decomposition/AAS and Ba by XRF at Cominco Exploration Research Laboratory (CERL) in Vancouver. All data is presented in Appendix 2.

Results from the 1997 soil sampling have confirmed most of the previously identified anomalous areas. All 4 areas returned broad Cu anomalies (>30 ppm, up to 413 ppm) with supporting, spotty anomalous Zn (>150 ppm, up to 1,243 ppm). Pb values are generally low.

The area of most interest is on the eastern most 1997 lines, north-northeast of the ARM Property and WOL Property. This area is underlain by N to NE-striking and E to SE-dipping, Wolverine equivalent stratigraphy and numerous strong Pb-Cu±Zn anomalies. The 1997 line identified an area of coincident Cu(peak of 186 ppm)-Pb(peak of 47 ppm)-Ag (peak of 7.7 ppm)±Zn(peak of 1,243 ppm) anomalies.

The 1997 soil lines near the northern edge of the TAG Property returned broad areas of anomalous Cu (peak of 413 ppm) and spotty Zn (peak of 969 ppm) and Ag (up to 2.6 ppm) anomalies. Pb values are low. This area is underlain by nearly EW-striking and N-dipping, Wolverine equivalent stratigraphy with an interesting linear AEM/AMAG feature.

The areas sampled north and northwest of the ARM Property contain Cu-Ag-Zn anomalies but appear to be underlain by the sequence of argillites which outcrop on the ARM Property and which underlie the Wolverine/Lynx hosting felsic metavolcanics. Previous sampling in this area did identify a few areas of strong Pb anomalies which were not reproduced by the 1997 sampling – this may relate our uncertainty about sample locations in this area and highlights the need to establish ground control for further work.

5.1.2 DIAMOND DRILLING

In 1997, 17 holes (totaling 3,566.2 metres) were completed at KZK (Table 2).

Drill hole locations are shown In Figure 6. Drill hole logs and core geochemistry data are found in Appendix 3. Drill hole cross sections are shown on Figures 7-21.

TABLE 2. 1997 KZK DRILL HOLE SUMMARY

HOLE #	PROPERTY, GRID	UTM COORD (NAD 83)	GRID COORD	COLLAR AZIMUTH	COLLAR DIP	HOLE LENGTH (m)
K97-172	TAG – MAIN ABM		4950 E 5850 N		-90	349.6
K97-173	TAG – MAIN ABM		5250 E 5250 N	180	-86	291.4
K97-174	TAG – MAIN ABM		5200 E 5750 N	180	-86	377.0
K97-175	TAG – MAIN ABM		5350 E 5300 N	180	-86	482.5
K97-176	TAG – MAIN ABM		5110 E 5800 N	180	-86	364.8
K97-177	TAG – MAIN ABM		4450 E 5380 N	180	-60	68.9
K97-178	TAG – MAIN ABM		5250 E 5250 N	180	-60	359.7
K97-179	TAG – MAIN		6150 E 4900 N	180	-86	505.4
K97-180	TAG – MAIN		8550 E 5050 N	180	-60	206.8

K97-181	TAG – MAIN FCZ	414853.1 E 6814411.3 N	4750 E 4605 N	180	-60	130.1
K97-182	TAG – MAIN FCZ	414854.0 E 6814210.2 N	4750 E 4400 N	180	-60	136.0
K97-183	TAG – MAIN FCZ	414854.2 E 6814365.6 N	4750 E 4560 N		-90	84.4
K97-183A	TAG – MAIN FCZ	414854.2 E 6814365.6 N	4750 E 4560 N	180	-70	10.0
K97-184	TAG – MAIN FCZ	414903.6 E 6814434.1 N	4710 E 4590 N		-90	29.6
K97-185	TAG – MAIN FCZ	414812.3 E 6814390.5 N	4800 E 4630 N		-90	55.2
K97-186	TAG – MAIN FCZ	414944.2 E 6814648.5 N	4850 E 4825 N		-90	49.1
K97-187	TAG – MAIN FCZ	414957.7 E 6814468.9 N	4850 E 4660 N		-90	65.8

DJ Drilling Ltd. of Surrey, B.C, conducted all drilling. Diamond drilling began on May 4 with 1 drill (skid Boyles 37A) with a second drill (fly LF-70) arriving and starting to drill on May 21. This initial drill phase ended June 6 with the completion of K97-179. Drilling with the LF-70 re-commenced on July 16 and ended July 30 with the completion of DDHs K97-180 and K97-181. Another 7 drill holes (K97-182 to K97-187) were drilled between August 16-21 in the area of the newly discovered Fault Creek Zone (K97-181).

Drill core for all holes are stored at the KZK camp core facility.

A total of 349 core samples were collected. Of these, 320 were analyzed for 27 elements by I.C.P., Au by Aqua Regia decomposition/AAS and Ba by XRF, in addition to whole rock major and minor oxides by XRF and trace elements Zr and Y by pressed pellet AA at Cominco Exploration Research Laboratory (CERL) in Vancouver. Assay data exists for 52 samples. All data is presented in Appendix 3.

ABM DEPOSIT DRILLING – DOWN-DIP/PLUNGE

Three holes were drilled along the northeastern margin (down-dip/plunge) of the ABM Deposit: K97-172, K97-174 and K97-176.

DDH K97-172

Hole K97-172 (349.6 m, Figure 7) was drilled down-dip to the north of the deposit on L4950E, to test for a fold closure and thickening of the deposit approximately 100 metres down-dip of holes K94-26 and 27.

High in the hole (80.6-80.8 m), a thin interval of heavy sulphide disseminations (35% pyrrhotite and 1% chalcopyrite) in quartz-sericite schist (FZ) is present and immediately underlain by 0.5 metres of proximal chlorite/biotite-ankerite-muscovite±albite alteration. Mineralization at this level was not expected and may represent a folded repetition of the ABM Deposit.

Lower in the hole, 70 metres (159.0-229.1 m) of locally faulted, waxy and yellow coloured, sericite-silica altered felsics meta-volcanics (FZ) was intersected at a position down-dip of the K94-27 intercepts. Yellow sericite-silica alteration typically forms an envelope around proximal alteration and significant sulphides. No significant sulphides or proximal, typically porphyroblastic, chlorite/biotite-ankerite-muscovite±albite alteration (ATw, ATp) was encountered. Foliation fabrics are suggestive of the presence of a fold hinge, as does the lack of sulphides and proximal alteration.

The alteration assemblages logged between 229.1-261.1 metres, comprise chlorite-biotite±carbonate occuring as mottles or subrounded patches which appear to be alteration after albite porphyroblasts (alteration overprints a quartz-phyric lithology similar to that between 210.5-229.1 metres). This mineral assemblage and mottled texture was logged as SK (wacke) in prior years. We feel that, in this case, this is in fact an alteration assemblage. Where/how this assemblage occurs relative to the other FZ and proximal, chlorite/biotite-ankerite-muscovite±albite alteration assemblages and massive sulphides is uncertain and will likely require some re-logging of prior holes.

Below the mottled alteration zone (261.1-349.6 m EOH), is a massive, homogenous, fine-grained (< few mms) blue quartz±feldspar-phyric porphyry (generally weakly silica-sericite altered) intruded by several thin mafic dykes/sills. This unit is distinctive in its massive, homogenous character and likely represents either a fine-grained flow/sill or a massive tuff. Whether previous drilling intersected this unit is uncertain.

The typical, footwall mafic schists were not encountered in this hole.

DDH K97-176

DDH K97-176 (364.8 m, Figure 8) was collared at 5110E and 5800N to test down-dip of significant sulphide intercepts in DDH K95-105 and 106.

Between 163.9 and 246.2 metres, K97-176 intersected 83 metres of mixed, typical, waxy and yellow coloured, sericite-silica altered felsics (FZ) with intervals of mottled, chlorite-biotite±carbonate alteration (logged as Sk wacke/arkose, in this case; some "true" Sk units maybe present) and 2 thin, intervals of more proximal chlorite/biotite-ankerite-muscovite±albite alteration (ATw, ATp) at 195.1-198.1 metres and 219.4-221.9 metres. This mixed interval occurs about 250 metres down-dip of the sulphide intercepts in K95-105.

From 246.2-349.9 metres, intervals of mottled, chlorite-biotite±carbonate alteration (logged as Sk wacke/arkose, in this case) are present within less altered quartz-sericite-chlorite±biotite schists (FX; logged as FZ in this case). A mafic schist (280.1-285.0 m) unit was encountered which maybe representative of the typical, footwall mafic schists common below the ABM Deposit. Several faults are present low in the hole and may correlate with faults in the alteration zone of K97-172.

As in K97-172, the bottom of this hole (349.9-364.8 m EOH) is the same massive, homogenous, fine-grained blue quartz±feldspar-phyric porphyry unit.

DDH K97-174

DDH K97-174 (377.0 m, Figure 9) was collared on L5200E at 5750N to test down-dip of significant sulphide intercepts in DDH K95-117 and 118.

K97-174 intersected a thick interval (153.0-272.4 m) of waxy and yellow coloured, sericite-silica altered felsics (FZ) with minor intervals of quartz-sericite-chlorite/graphite schist (FY; interpreted as argillaceous tuff or tuffaceous argillite) and 3 intervals of proximal chlorite/biotite-ankerite-muscovite±albite alteration (ATw, ATp) at 244.2-244.9, 247.9-250.4 and 252.9-259.9 metres. Proximal alteration zones at 244.2-244.9 and 247.9-250.4 metres contain 10% sphalerite-galena-pyrite±pyrrhotite as thin bands and wispy disseminations and grade 0.06% Cu, 2.03% Pb, 4.04% Zn, 33.2 g/t Ag and 0.1 g/t Au over 0.7 metres and 0.09% Cu, 1.14% Pb, 3.53% Zn, 20.5 g/t Ag and 0.1 g/t Au over 2.5 metres, respectively.

Mottled, chlorite-biotite±carbonate alteration (logged as ATw, in this case) is present from 277.0-334.8 metres and the again from 364.6-377.0 (EOH) metres. As with K97-176, a thin mafic schist (dyke/sill) is present low in the hole. The quartz-phyric porphyry flow/sill/tuff unit was not intersected in this hole.

In summary, it appears that the 3 down-dip holes have drilled through an overturned synform fold closure with the easternmost hole (K97-174) being the "closest to ore".

ABM DEPOSIT DRILLING – DOWN FAULTED BLOCK

Three holes (K97-173, K97-175 and K97-178) were completed on the east side of the ABM Deposit, in the down-dropped fault block between the East Fault and Fault Creek Fault, to test for the continuation of the orebody.

DDH K97-173

Hole K97-173 (291.4 m, Figure 12) was collared on L5250 E at 5250N to test on strike of the intercept in K95-124.

This hole intersected a 114 metre thick interval (166.9-281.0 m) of sericite-silica altered felsics (FZ) with minor intervals of quartz-sericite-chlorite/graphite schist (FY). From 251.4-281.0 metres, this interval becomes increasingly sericitic (waxy and yellow), pyritic (generally 5% as fine disseminations) and faulted.

Two significant zones of fine to medium-grained, wispy laminated/banded to buckshot textured sulphides and minor magnetite were intersected at 266.0-267.2 (1.2 m) and 281.0-283.9 (2.9 m). These zones graded 1.33% Cu, 1.38% Pb, 7.45% Zn, 110.1 g/t Ag and 1.1 g/t Au over 1.2 metres and 0.64% Cu, 3.71% Pb, 7.51% Zn, 206.3 g/t Ag and 2.4 g/t Au over 2.9 metres, respectively. Gangue to the sulphides comprises the proximal alteration assemblage. With the exception of the immediate massive sulphide zones, no other proximal, chlorite/biotite-ankerite-muscovite±albite alteration was encountered.

The lower, thicker sulphide zone appears to have been intruded by a mafic dyke/sill (283.9-285.8 m), which separate it from a third, thin, high grade sulphide zone at 285.8-286.3 metres. This zone graded 0.16% Cu, 4.29% Pb, 8.80% Zn, 304.9 g/t Ag and 2.9 g/t Au over 0.5 metres. Minor sulphide screens are present from 286.3-286.7 metres. The remainder of the hole is typical, footwall mafic schists (gabbroic sill?).

DDH K97-178

Hole K97-178 (359.7 m, Figure 12) was collared at K97-173 and drilled at -60° to test up-dip of the intercept in K97-173.

The hole intersected an 80 metre thick sequence of strongly broken and gouged, pyritic, waxy, yellow, quartz-sericite schists (FZ) from 258.5-338.4 metres. Heavy (15-25%) pyrite disseminations and bands occur at 279.2-282.1 metres.

The position of the FZ alteration and weak mineralization suggest additional normal displacements along some of the faults in this area (the massive sulphide intercepts in K97-173 would project to a point at about 260 metres, indicating possible displacements of about 40 metres?). Other than the heavy pyrite disseminations, no other significant sulphides were intersected and neither was the footwall mafic schist, present in both K97-173 and K95-124. This is due either to normal faulting (down-dropping to the SE across faults) or to rapid facies changes.

The hole was stopped due to difficult drilling conditions and the presence of less altered, felsic metavolcanic units from 338.4-359.7 metres.

DDH K97-175

Hole K97-175 (482.5 m, Figure 13) was collared on L5350E at 5300N, approximately 120m to the northeast of K97-173, to test on strike of the intercept in K97-173.

This hole intersected a 122 metre thick interval (305.6-427.3 m) of sericite-silica altered felsics (FZ) with minor intervals of quartz-sericite-chlorite/graphite schist (FY) which is cut by numerous faults (broken and gouged zones). Between 355.4-370.6 metres, this interval becomes increasingly sericitic (waxy and yellow), pyritic (generally 5% pyrite as fine disseminations). Two thin intervals, at 403.5-407.2 and 411.7-416.6 metres, of strong sericite-muscovite alteration (ATw) with locally developed fine chlorite porphyroblasts and 1-4% pyrite-pyrrhotite disseminations are present.

The sulphide intercepts in K97-173 would project to a position at about 290 metres. This suggests that K97-175, like K97-178, drilled through normal(?) faults which have displaced the alteration zone and any potential sulphides at least another 60-125 metres down, with respect to hole K97-173 and K95-124.

ABM DEPOSIT DRILLING – WESTERN MARGIN

DDH K97-177

DDH K97-177 (68.9 m, Figure 14) was collared along the western margin of the ABM Deposit, on L4450E at 5380N, to test a shallow UTEM response.

This hole intersected a siliceous, variably carbonaceous and pyritic argillite (25.6-27.1 m) which graded 0.11% Cu, 0.34% Pb, 1.14% Zn, 27.4 g/t Ag and 0.3 g/t Au over 1.5 metres. This unit would explain the geophysical response.

Sulphides were noted as occuring as thin quartz-pyrite±pyrrhotite-chalcopyrite-sphalerite bands/veinlets and disrupted clots. FZ alteration was noted at 27.1-34.6 metres with locally abundant quartz-sulphide veinlets. No other significant sulphides or alteration was encountered.

DRILLING TO THE EAST OF THE ABM DEPOSIT

Two holes (K97-179 and K97-180) were drilled east of the ABM Deposit.

DDH K97-179

DDH K97-179 (505.4 m, Figure 15) was collared on L6150E at 4900N, south of the Fault Creek Fault and about 900 metres southeast of hole K97-175. This hole was a stratigraphic test in the down-dropped block south of the Fault Creek Fault, mid way to hole K96-170 and was to provide a means to conduct down-hole UTEM to test for significant sulphides below the conductive hangingwall, sediment/mafic sill sequence in this area.

K97-179 intersected a thick package of the hangingwall sediment/mafic sill sequence between 3.1-255.2 metres. This sequence comprises intercalated black to dark grey, variably carbonaceous and locally calcareous, phyllitic argillite (often with 1-5% disseminated to wispy laminated pyrite-pyrrhotite) and wacke/siltstone and dark to medium green chlorite-calcite-sericite-quartz±biotite schists (mafic sills/tuffs?). Minor thin felsic tuff and/or dykes are also present. Very carbonaceous argillite was noted at 156.0-160.1 and 222.9-231.5 metres, corresponding to the 2 in-hole UTEM anomalies. The interval from 235.6-255.2 metres comprises mixed epiclastic/argillaceous, felsic tuffaceous (blue quartz crystal rich) wacke units and minor argillite.

Below the sediment/mafic sill sequence (255.2-505.4 (EOH) m), a sequence of bluish quartz crystal rich, felsic crystal tuff and lapilli tuff and abundant thin mafic dykes/sills is present. From about 304.4 metres, the felsic metavolcanics become an increasingly massive, homogenous and monotonous sequence of massive quartz-sericite-chlorite schists with local porphyritic (crystal rich) textures suggestive of an intrusive protolith.

The stratigraphic level at which the ABM Deposit would be expected to occur, would be at about 425 metres in this hole. No alteration or mineralization of significance was intersected. No in-hole/off-hole UTEM anomalies were identified within the felsic metavolcanic sequence.

DDH K97-180

DDH K97-180 (206.8 m, Figure 16) was collared on L8550E at 5050N, approximately 1.4 kms to the east of K95-170, to test a deep (125-175 m) UTEM anomaly defined by the 1997 ground surveys.

The entire hole comprises variably carbonaceous, siliceous and pyritic±pyrrhotitic (tr-3%) argillite and minor intercalated siltstone and wacke. Mafic sills/dykes are minor. Several intervals (103.4-106.9 and 129.8-139.6 m) of mixed epiclastic/argillaceous, felsic tuffaceous (blue quartz crystal rich) wacke units are also present. Crystal rich wacke units typically appear more abundant towards the base of the sediment/mafic sill sequence. The actual sediment/mafic metavolcanic-felsic metavolcanic contact was not intersected.

An interesting fragmental/diamictite (debris flow) unit comprising siltstone/sandstone and argillite fragments in an argillaceous matrix was intersected at 111.8-129.9 metres. This unit likely reflects synsedimentary tectonism in the sedimentary basin which developed above the ABM felsic intrusive/extrusive complex. Similar fragmental units have, as yet, not been recognized at KZK.

Carbonaceous/graphitic argillite intervals were noted from 139.9-206.8 (EOH) metres, in particular, the interval from 182.6-189.4 metres.

FAULT CREEK ZONE (FCZ) AREA DRILLING

DDH K97-181

K97-181 (130.1 m, Figure 17) was collared at 4605N on L4750E on July 29 to intersect the HLEM/Mag feature located at about 4550N on the line. These anomalies were targeted for drill testing in 1994, but the hole was lost in the Fault Creek Fault.

K97-181 intersected a significant, 6.4 metre thick zone right at the top of the hole between 12.9-19.6 metres. This zone consisted of high grade, recrystallized, massive to banded to net textured (OB, OH, OC, OJ ore types) pyrite-chalcopyrite-pyrrhotite-sphalerite-magnetite, grading 5.15% Cu, 1.02% Pb, 5.59% Zn, 140.5 g/t Ag and 2.4 g/t Au. Gangue comprises the proximal alteration assemblage of dolomite/ankerite (Fe-carbonate), chlorite, porphyroblastic albite and barite. The lower contact is a 0.3 m of sulphide-bearing quartz vein from 19.3-19.6 metres.

An envelope of strongly sheared and folded, sericite-silica altered, quartz-sericite schists (FZ) occur in the hangingwall and extend into the footwall from 19.6-39.0 metres. The remainder of the hole intersected relatively weakly altered quartz-sericite-chlorite schists (FX) and minor chlorite-calcite-biotite schists (mafic meta-volcanic sills/dykes).

This new massive sulphide zone, termed the Fault Creek Zone (FCZ), subcrops from about 4550-4590N and extends down-dip about 25 metres.

DDH K97-181 was the final hole of the drill program as initially planned. With the discovery of the FCZ, additional ground magnetic surveys and another 7 drill holes (K97-182 to 187, including K97-183A; totaling 421.4 m) were completed in the discovery area between August 16-21, to test for strike extensions and to test several other EM/Mag features in the area which could potentially reflect additional sulphide mineralization.

DDH K97-182

K97-182 (L4400N, L4750E, 135.9 m, Figure 18) was drilled 200 metres to the south of K97-181, to test a 1 line HLEM/UTEM anomaly on the northern edge of a relatively large (100x150 m) magnetic feature.

This hole intersected a significant, thick package of relatively well mineralized, proximal alteration assemblage of jade green chlorite-biotite-muscovite±Fe-carbonate overprinting quartz-sericite schists (FZ). The proximal alteration extends from 7.0-23.4, 26.4-72.7 and 85.2-127.2 metres for a combined thickness of 105 metres. Intervals of most intense alteration (15.6-16.5, 17.5-18.0, 30.6-30.9, 38.4-48.6, 50.7-51.2 and 65.3-68.3 metres) typically contain 5-20% pyrrhotite-pyrite-sphalerite-chalcopyrite-galena occuring as locally banded, heavy disseminations and wispy laminations and clots to fine disseminations. Significant Cu-Pb-Zn-Ag values were obtained in these intervals of alteration.

The interval 15.6-16.5 m contains 15% pyrrhotite and 2% pyrite. This interval is likely the HLEM/UTEM conductor. The presence of pyrrhotite and trace fine disseminated magnetite, associated with much of the alteration, explain the magnetic anomaly.

DDH K97-183

K97-183 (84.4 m, Figure 19) was collared at 4560N on L4750E to test the up-dip edge of the FCZ intersected by K97-181, located 45 metre to the north.

The hole recovered 0.6 metres of core from 6.1-8.2 metres including a 0.3 metre piece of massive laminated pyrite-magnetite-sphalerite-galena-chalcopyrite (OA ore type) and a second piece 0.2 metres of massive, wispy banded chalcopyrite-pyrrhotite (OG/OC ore type). The recovery over this interval was only 29%. Analyses of the material returned 3.39% Cu, 0.88% Pb, 11.49% Zn, 99.3 g/t Ag and 0.7 g/t Au for the 2.1 metre interval.

The foliation to core axis angles of the 2 pieces of massive sulphide were 15° and 35°, suggesting that the pieces of sulphides were in fact boulders/cobbles at the base of overburden. As such, the 2.1 metre interval is a best case thickness scenario. Recovery continued to be poor to about 11.2 metres.

The remainder of the hole is similar to that of K97-181.

DDH K97-183A

K97-183A (10.0 m, Figure 19) was drilled at –70° to the south from the same collar as K97-183 in an attempt to get better recovery of the sulphides at the bedrock surface. Unfortunately, the hole recovered less core than did K97-183 with only a small pebble of fine-grained, massive pyrite (OH ore type) and a few pebbles and a 10 cm piece of OJ ore type (heavy sulphide disseminations in chlorite altered rock) being recovered at the overburden/bedrock interface.

DDH K97-184

Hole K97-184 (L4710E at 4590N 29.6 m, Figure 20) was a 50 metre step-out to the southwest of K97-181. The hole, however, collared and terminated in the Fault Creek Fault.

DDH K97-185

Hole K97-185 (L4800E at 4630N, 55.2 m, Figure 21) was a 50 metre step-out to the northeast of K97-181. This hole intersected sericite-silica altered felsic meta-volcanics from 11.2-29.4 metres at the top of the hole. Two small angular fragments of fine-grained massive pyrite were noted at the base of overburden (11.2 m).

The FCZ appears to have been eroded at this point.

DDH K97-186

K97-186 (49.1 m, Figure 22) was collared on L4850E at 4825N to test a weak HLEM/UTEM conductor with a weak magnetic peak located north of the Fault Creek Fault, about 250 m north-northeast of K97-181.

This hole intersected a package of yellow, sericite-silica altered felsic schists (FZ) with intervals of massive felsic flow/sill near the top of the hole. Both rock types contain 2-4% fine disseminated pyrite±pyrrhotite. A quartz-sericite-chlorite/graphite (FY) unit with 3-7% fine disseminated pyrite was intersected at 35.3-36.2 metres. Several clay gouge faults were intersected at 27.4-29.1, 47.7-47.9 and 48.1-48.4 metres.

There appears to be no explanation for the UTEM/HLEM conductor. The FY unit appears to be a likely candidate, however, measurements with a resistivity meter indicate the unit is not a conductor. Another possibility is conductive fault gouge(?).

DDH K97-187

K97-187 (65.8 m, Figure 23) was collared on L4850E at 4660N, 115 metres northeast of K97-181, to test a magnetic anomaly.

Variably sericite-silica altered felsic schists (FZ, FX) were cored over the holes length with only minor, disseminated pyrrhotite-pyrite noted near the top of the hole, which may explain the magnetic anomaly. Local intervals with mottled to patchy chlorite-biotite±carbonate alteration are also present. No significant sulphides or proximal alteration were noted.

5.1.3 CONCLUSIONS AND RECOMMENDATIONS

Geological mapping and soil geochemistry in the area of the NE TAG area confirmed our interest in this area; however, the low topography, very poor outcrop exposure, lack of ground control and shallow dips of stratigraphy result in an uncertain geochemical picture and a confused airborne geophysical picture for the area. The conclusion is that the area has good potential to host a significant Wolverine-type massive sulphide deposit, which may positively affect the economics of the KZK and Wolverine deposits. A future exploration program will require an initial program to establish grids in the 2-3 areas of interest to provide control for soil geochemistry and geological mapping. This initial program should then be followed by a program of diamond drilling 3-4 holes, focussing in areas of anomalous soils and AEM/AMAG features. Drilling would provide much needed geological information and may provide some vectoring to areas of mineralization.

Diamond drilling in 1997 consisted of 17 holes totalling 3,566 metres. This includes 7 holes in the immediate ABM Deposit area testing the down-dip/down-plunge and fault offset margins of the deposit and a UTEM response immediately to the west of the deposit. Two holes were drilled to the east of the deposit and a total of 8 holes were drilled in the immediate Fault Creek Zone area.

Drilling to the northeast, down-dip/down-plunge, of the ABM deposit did not intersect any massive sulphides. All 3 holes did intersect thick intervals of waxy and yellow coloured, sericite-silica altered felsics (FZ) which typically envelop the deposit. Foliation fabrics indicate that these alteration zones appear to be located in the hinge zone of an isoclinal fold, the closure of which would close the deposit up-dip of the 1997 holes. DDH K97-174 appears most significant in that it also intersected 3 thin, intervals of proximal, locally porphyroblastic chlorite/biotite-ankerite-muscovite±albite alteration which contain up to 10% sphalerite-galena-pyrite±pyrrhotite as thin bands and wispy

disseminations. The thickest interval graded 0.09% Cu, 1.14% Pb, 3.53% Zn and 20.5 g/t Ag over 2.5 metres.

Three holes (K97-173, K97-175 and K97-178) were completed on the east side of the ABM Deposit, in the down-dropped fault block between the East Fault and Fault Creek Fault, to test for the continuation of the orebody. This drilling resulted in alteration and 3 massive sulphide intercepts in hole K97-173. The most significant intercept graded 0.64% Cu, 3.71% Pb, 7.51% Zn, 206.3 g/t Ag and 2.4 g/t Au over 2.9 metres. The other 2 holes intersected thick intervals of locally strongly faulted and gouged, waxy and yellow coloured, sericite-silica alteration.

Although the structural complexity in this area is certainly evident in K97-175 and K97-178, holes K97-173 and K95-124 are not too badly faulted, perhaps suggesting that a 100-125 metre wide block with massive sulphides may exist adjacent to the East Fault. The up-dip potential for significant sulphides appears to be low given the results of K97-178 and 175; however, the potential along strike parallel to the East Fault is excellent.

DDH K97-177 was drilled along the western margin of the ABM Deposit, to test a shallow UTEM response. This hole intersected a 1.5 metre thick siliceous, variably carbonaceous and pyritic argillite grading 0.11% Cu, 0.34% Pb, 1.14% Zn and 27.4 g/t Ag. This unit appears to explain the geophysical response.

The most significant drilling result of 1997 was K97-181 which was drilled to intersect an HLEM/Mag feature located at about 4550N on L4750E, south of the Fault Creek Fault. The hole intersected a significant, 6.4 metre thick zone (Fault Creek Zone-FCZ) right at the top of the hole, consisting of Cu-rich, massive to banded to net textured sulphides grading 5.15% Cu, 1.02% Pb, 5.59% Zn, 140.5 g/t Ag and 2.4 g/t Au. Drilling up-dip in holes K97-183 and 183A (45 metres south of K97-181) was disappointing. Both holes recovered sulphide rubble at the overburden/bedrock interface. K97-183 returned 2.1 metres of 3.39% Cu, 0.88% Pb, 11.49% Zn, 99.3 g/t Ag and 0.7 g/t Au; however, core recovery over this interval was only 29%. K97-183A was not successful in attempting to get better recovery of the sulphides at the bedrock surface. DDH K97-184 was a 50 metre step-out hole to the southwest of K97-181. The hole, however, collared and terminated in the Fault Creek Fault. Hole K97-185 was a 50 metre step-out to the northeast of K97-181. This hole intersected 2 small angular fragments of massive pyrite at the base of overburden suggesting the FCZ to have been eroded at this point.

The FCZ is a significant near surface, high grade zone and is the first occurrence of significant sulphides south of the Fault Creek Fault. However, the zones location adjacent to Fault Creek appears to limit it's size (~35 m down-dip of K97-181) and holes K97-184 and 185 indicate a limited strike length of ~100 metres.

Two other holes (K97-186 and 187) were completed in the FCZ area testing a weak UTEM anomaly and a magnetic anomaly. Both holes intersected FZ alteration, particularly K97-186. Neither hole intersected significant mineralization.

Exploration potential exists along the FCZ "horizon" and stratigraphic level host to the alteration in K97-182, which should be expected to be present at similar elevations across the valley to the west. The extent of alteration around K97-182 should be determined by drilling a few additional holes.

5.2 COBB PROPERTY

Work on the Cobb property in 1997 comprised detailed, 1:10,000 scale geological mapping and prospecting, conducted between July 8-10 and July 12/97, followed by diamond drilling of 2 holes (totaling 143.2 m) between July 20-24/97.

5.2.1 GEOLOGY

Detailed geological mapping/propsectiing revealed the properrty to be underlain by a relatively flat lying and strongly isoclinally folded, sequence of Yukon Tanana Terrane quartzose meta-sediments and minor felsic meta-volcanics.

The top of the mountain, central to the COBB Property, comprises a sequence of interlayered light to dark brown grey to white, quartz-biotite-muscovite±chlorite schists (meta-wacke and quartzite/sandstone) and light greenish grey to brown, biotite speckled/porphroblastic muscovite phyllites (meta-siltstone) with minor locally carbonaceous meta-argillite. These lithologies are locally calcareous and are typically cut by numerous, thin chlorite-biotite±calcite schists (meta-basite dykes/sills). This sequence has been correlated to UNIT 4 of Murphy (1998, 1997) and Murphy and Timmerman (1997a,b); although it possibly may correlate more with UNIT 3q.

These quartzose meta-sediments appear to be located in the upper, overturned limb of a recumbant, shallowly SW plunging, N-verging, isoclinal fold suggesting the sequence would be footwall to the structurally underlying sequence of felsic meta-volcanics (Figure 24).

The felsic meta-volcanic sequence comprises light grey to yellow grey weathering, thin to thickly layered, granular to fragmental textured, siliceous quartz-muscovite/sericite±biotite schists (meta-tuff/lapilli tuff or tuffaceous wacke) and locally more abundant, very siliceous and massive quartz-muscovite/sericite schist (meta-flow/sill). This sequence correlates to UNIT 3f. A particularily good felsic fragmental (lapilli tuff) is exposed along the ridge (above the saddle) extending to the east of the mountain top in the central part of the property.

A mixed interval of chlorite-biotite-calcite schists (meta-basite dykes/sills and tuff?) and lesser biotite-calcite schists (limy meta-siltstone) and dark grey to black, locally carbonaceous meta-argillite is well developed along the ridge extending to the north of the mountain top. Thi unit appears to occur at a structural position near the interpreted isoclinal fold axis which would suggest that either this sequence lies within a thicker felsic meta-volcanic sequence (a subunit of UNIT 3f) or this interval lies stratigraphically above (hangingwall) the felsic sequence (correlate with Unit 4).

Along the ridge near at the south end of the property are exposed a thick package of massive, banded (isoclinally folded) quartz-muscovite/sericite-carbonate schists with conspicuous Fe-calcite and dolomite porphyroblasts. This unit is thought to represent a sheared feldspar porphyry (or wacke?; mapped as FTc on Figure 24), equivalent to the Mississippian Orthogneiss as described by Murphy(1998). Property mapping suggests this unit to lie in the isclinal fold axis. If this unit is the orthogneiss, it appears to have intruded at or near the top of the felsic meta-volcanic sequence.

Mineralization consists of discontinuous, thin wispy streaks, laminations/bands/layers and disseminations of sphalerite (pyrite content is low; typically <5%) and trace galena developed conformably along the S1/S2 fabric. The mineralization appears to occur at 2 stratigraphic levels. Mineralization at about the 1900 metre elevation occurs near the structural top (stratigraphic footwall) of the sequence within mixed felsic tuff and carbonaceous/quartzose meta-sediments with thin discontinuous marble lenses. Mineralization along the ridge to the north and east, at elevations of 1800-1700 metres, occurs at or near the stratigraphic top of the felsic sequence within mixed carbonaceous, meta-argillite and mafic meta-volcanics. Streaky and disseminated sphalerite is also found within the felsic tuf/flow lithologies. No appreciable thicknesses of good grading mineralization have been identified on the COBB Property.

5.2.2 DIAMOND DRILLING

Although, no significant showing had been identified on the property, the size and strength of the soil anomaly and the presence of apparently conformable sphalerite-pyrite mineralization justified the drilling of a single hole in 1997.

Due to ground problems, 2 holes (totaling 143.2 metres) were completed on the COBB Property (Table 2).

Drill hole locations are shown In Figure 24. Drill hole logs and core geochemistry data are found in Appendix 3. Drill hole cross sections are shown on Figure 25.

TABLE 3. 1997 COBB DRILL HOLE SUMMARY

HOLE #	PROPERTY, GRID	UTM COORD (NAD 27)	GRID COORD	COLLAR AZIMUTH	COLLAR DIP	HOLE LENGTH (m)
CO97-01A	COBB				-90	45.7
CO97-01B	COBB				-90	97.5

CO97-01A

DDH CO97-01A was collared to test the up-slope cut-off of the soil anomaly and, specifically, the mineralization which occurs in overturned upper limb of the fold structure.

This hole collared in a sequence of interlayered light to dark brown grey to white, quartz-biotite-muscovite±chlorite schists

(meta-wacke and quartzite/sandstone) and light greenish grey to brown, biotite speckled/porphroblastic muscovite phyllites (meta-siltstone) between 4.3-45.7 (EOH) metres. Chlorite-biotite-calcite schists (meta-basite dykes/sills) with minor disseminated fine pyrrhotite are relatively abundant. A single quartz-phyric aplite dyke was also noted. This sequence is typical of the quartzose meta-sedimentary sequence.

The hole was lost at 45.7 metres due to squeezing of the rods, likely due to the fault structure intersected from 25.5-30.8 metres.

CO97-01B

The drill was subsequently moved a few metres (40 m spacing on Figure 25 allows no overlap) and the hole was re-started as CO97-1B.

The quartzose meta-sedimentary sequence was drilled between 3.0-47.8 metres. Felsic meta-volcanics were encountered from 47.8-69.2 metres and comprise medium to light grey, thickly layered, locally calcareous quartz-muscovite/sericite-biotiute schists with intercalated biotite-calcite schists (limy meta-siltstone). Interlayered calcareous meta-sediments and minor marble bands are noted from 47.8-52.5 metres. No mineralization was noted in this interval. More sericitic felsic intervals typically contain disseminated pyrite and trace sphalerite and often contain Fe-carbobnate porphyroblasts and Mn-stained fracture coatings. The felsics closely resemble FX lithologies at KZK. Several faults are present in the hole.

An interval of interlayered, mixed biotite-calcite schists (meta-siltstone) and chlorite-biotite-calcite schist (mafic meta-dykes/sills) was intersected from 69.2-74.9 metres. No mineralization was noted. This interval would correspond to the mixed sediment/dyke/sill complex noted in surface mapping.

The upper contact of this unit is a fault and the unit grades into felsic meta-volcanics down hole from 74.8-84.4 metres. Whether this sequence has been repeated by this fault is uncertain.

The bottom of the hole from 84.4-97.5 metres comprises a unit described as either a sheared, Fe-carbonate altered meta-porphyry or a micaceous quartzite. A meta-porphyry protolith is favoured given the porphyroblastic nature.

The hole was lost at 97.5 metres due to sqeezing of the rods by a gouge zone at the bottom of the hole. No mineralization of significance was found.

5.2.3 CONCLUSIONS AND RECOMMENDATIONS

Geological mapping indicates the property to be underlain by a relatively flat lying and strongly isoclinally folded, sequence of schistose Yukon Tanana Terrane quartzose meta-sediments and minor felsic meta-volcanics.

A favourable geological setting for VMS-type mineralization does exist. Lithologies of Murphy's UNIT4 and 3f are present; correlating to the hangingwall sediment/sill complex and ore-hosting felsic volcanic sequence at KZK.. The presence of felsic meta-flows/sills and suggestions of lateral thickness and facies variations suggest that a felsic volcanic center is present near the COBB/OVERTIME Property boundary. Although a felsic center is present, the thickness of felsic complex is relatively thin (about 200-300 m) with respect to KZK. Weak, conformable, low Fe, Zn$\pm$Pb mineralization is present at, at least, 2 stratigraphic levels and is often associated with carbonaceous meta-sediments near the felsic meta-volcanic contacts. Alteration is generally weak comprised primarily of Fe-carbonate alteration; proximal chloritic alteration has not been observed on the property.

Diamond drilling tested the upper limb of the isoclinal fold, but did not intersect any mineralization of significance. The potential of the property to host a significant VMS deposit is seen as low. No further work is recommended at this time.

Report by: _____
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Western Canada

DISTRIBUTION:
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APPENDIX 1

KZK and COBB TENURE INFORMATION

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	DOG 1	YB49650	1	1994/06/22	1980/06/22	2003/05/15
TAG	DOG 2	YB49651	1	1994/06/22	1980/06/22	2003/05/15
TAG	DOG 3	YB49652	1	1994/06/22	1980/06/22	2003/05/15
TAG	DOG 4	YB49653	1	1994/06/22	1980/06/22	2003/05/15
TAG	EL 1	YB48917	1	1994/05/27	1980/04/15	2008/04/15
TAG	EL 2	YB48918	1	1994/05/27	1980/04/15	2008/04/15
TAG	EL 3	YB48919	1	1994/05/27	1980/04/15	2008/04/15
TAG	EL 4	YB48920	1	1994/05/27	1980/04/15	2008/04/15
TAG	EL 5	YB48921	1	1994/05/27	1980/04/15	2008/04/15
TAG	EL 6	YB48922	1	1994/05/27	1980/04/15	2008/04/15
TAG	EL 7	YB48923	1	1994/05/27	1980/04/15	2008/04/15
TAG	EL 8	YB48924	1	1994/05/27	1980/04/15	2008/04/15
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TAG	HOME 3	YB46352	1	1993/09/29	1980/04/15	2011/04/15
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TAG	KZK 2 FR.	YB85277	1	1996/07/12	1980/07/12	2002/04/12
TAG	KZK 3 FR.	YB85278	1	1996/07/12	1980/07/12	2002/04/12
TAG	KZK 4 FR.	YB85279	1	1996/07/12	1980/07/12	2002/04/12
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TAG	KZK 7 FR.	YB85282	1	1996/07/12	1980/07/12	2002/04/12
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TAG	KZK 13 FR.	YB85288	1	1996/07/12	1980/07/12	2002/04/12
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TAG	KZK 20 FR.	YB85295	1	1996/07/12	1980/07/12	2002/04/12
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TAG	KZK 22 FR.	YB85297	1	1996/07/12	1980/07/12	2002/04/12
TAG	KZK 23 FR.	YB85298	1	1996/07/12	1980/07/12	2002/04/12
TAG	KZK 24 FR.	YB85299	1	1996/07/12	1980/07/12	2002/04/12
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TAG	KZK 27 FR.	YB85302	1	1996/07/12	1980/07/12	2002/04/12
TAG	KZK 28 FR.	YB85303	1	1996/07/12	1980/07/12	2002/04/12
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Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
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TAG	LIMY 6	YB49659	1	1994/06/22	1980/04/15	2008/04/07
TAG	LIMY 7	YB49660	1	1994/06/22	1980/04/15	2008/04/07
TAG	LIMY 8	YB49661	1	1994/06/22	1980/04/15	2008/04/07
TAG	LIMY 9	YB49662	1	1994/06/22	1980/04/15	2008/04/07
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TAG	TAG 77	YB47507	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 78	YB47508	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 79	YB47509	1	1994/04/15	1980/04/15	2004/04/15
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TAG	TAG 82	YB47512	1	1994/04/15	1980/04/15	2004/04/15
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TAG	TAG 85	YB47515	1	1994/04/15	1980/04/15	2004/04/15
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TAG	TAG 99	YB47529	1	1994/04/15	1980/04/15	2004/04/15
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TAG	TAG 103	YB47533	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 104	YB47534	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 105	YB47535	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 106	YB47536	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 107	YB47537	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 108	YB47538	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 109	YB47539	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 110	YB47540	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 111	YB47541	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 112	YB47542	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 113	YB47543	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 114	YB47668	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 115	YB47669	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 116	YB47670	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 117	YB47671	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 118	YB47672	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 119	YB47673	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 120	YB47674	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 121	YB47675	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 122	YB47676	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 123	YB47677	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 124	YB47678	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 125	YB47679	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 126	YB47680	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 127	YB47681	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 128	YB47682	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 129	YB47683	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 130	YB47684	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 131	YB47685	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 132	YB47686	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 133	YB47687	1	1994/04/26	1980/04/26	2004/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 134	YB47688	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 135	YB47689	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 136	YB47690	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 137	YB47691	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 138	YB47692	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 139	YB47693	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 140	YB47694	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 141	YB47695	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 142	YB47696	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 143	YB47697	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 144	YB47698	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 145	YB47699	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 146	YB47700	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 147	YB47701	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 148	YB47702	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 149	YB47703	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 150	YB47704	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 151	YB47705	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 152	YB47706	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 153	YB47707	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 154	YB47708	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 155	YB47709	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 156	YB47710	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 157	YB47711	1	1994/04/26	1980/04/26	2004/04/15
TAG	TAG 158	YB47544	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 159	YB47545	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 160	YB47546	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 161	YB47547	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 162	YB47548	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 163	YB47549	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 164	YB47550	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 165	YB47551	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 166	YB47552	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 167	YB47553	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 168	YB47554	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 169	YB47555	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 170	YB47556	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 171	YB47557	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 172	YB47558	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 173	YB47559	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 174	YB47560	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 175	YB47561	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 176	YB47562	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 177	YB47563	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 178	YB47564	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 179	YB47565	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 180	YB47566	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 181	YB47567	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 182	YB47568	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 183	YB47569	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 184	YB47570	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 185	YB47571	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 186	YB47572	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 187	YB47573	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 188	YB47574	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 189	YB47575	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 190	YB47576	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 191	YB47577	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 192	YB47578	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 193	YB47579	1	1994/04/15	1980/04/15	2004/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 194	YB47580	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 195	YB47581	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 196	YB47582	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 197	YB47583	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 198	YB47584	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 199	YB47585	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 200	YB47586	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 201	YB47587	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 202	YB47588	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 203	YB47589	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 204	YB47590	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 205	YB47591	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 206	YB47592	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 207	YB47593	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 208	YB47594	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 209	YB47595	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 210	YB47596	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 211	YB47597	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 212	YB47598	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 213	YB47599	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 214	YB47600	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 215	YB47601	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 216	YB47602	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 217	YB47603	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 218	YB47604	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 219	YB47605	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 220	YB47606	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 221	YB47607	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 222	YB47608	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 223	YB47609	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 224	YB47610	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 225	YB47611	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 226	YB47612	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 227	YB47613	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 228	YB47614	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 229	YB47615	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 230	YB47616	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 231	YB47617	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 232	YB47618	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 233	YB47619	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 234	YB47620	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 235	YB47621	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 236	YB47622	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 237	YB47623	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 238	YB47624	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 239	YB47625	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 240	YB47626	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 241	YB47627	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 242	YB47628	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 243	YB47629	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 244	YB47630	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 245	YB47631	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 246	YB47632	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 247	YB47633	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 248	YB47634	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 249	YB47635	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 250	YB47636	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 251	YB47637	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 252	YB47638	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 253	YB47639	1	1994/04/15	1980/04/15	2004/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 254	YB47640	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 255	YB47641	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 256	YB47642	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 257	YB47643	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 258	YB47644	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 259	YB47645	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 260	YB47646	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 261	YB47647	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 262	YB47648	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 263	YB47649	1	1994/04/15	1980/04/15	2004/04/15
TAG	TAG 264	YB48413	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 265	YB48414	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 266	YB48415	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 267	YB48416	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 268	YB48417	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 269	YB48418	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 270	YB48419	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 271	YB48420	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 272	YB48421	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 273	YB48422	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 274	YB48423	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 275	YB48424	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 276	YB48425	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 277	YB48426	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 278	YB48427	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 279	YB48428	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 280	YB48429	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 281	YB48430	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 282	YB48431	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 283	YB48432	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 284	YB48433	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 285	YB48434	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 286	YB48435	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 287	YB48436	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 288	YB48437	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 289	YB48438	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 290	YB48439	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 291	YB48440	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 292	YB48441	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 293	YB48442	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 294	YB48443	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 295	YB48444	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 296	YB48445	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 297	YB48446	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 298	YB48447	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 299	YB48448	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 300	YB48449	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 301	YB48450	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 302	YB48451	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 303	YB48452	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 304	YB48453	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 305	YB48454	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 306	YB48455	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 307	YB48456	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 308	YB48457	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 309	YB48458	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 310	YB48459	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 311	YB48460	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 312	YB48461	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 313	YB48462	1	1994/05/02	1980/05/02	2004/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 314	YB48463	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 315	YB48464	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 316	YB48465	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 317	YB48466	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 318	YB48467	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 319	YB48468	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 320	YB48469	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 321	YB48470	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 322	YB48471	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 323	YB48472	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 324	YB48473	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 325	YB48474	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 326	YB48475	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 327	YB48476	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 328	YB48477	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 329	YB48478	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 330	YB48479	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 331	YB48480	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 332	YB48481	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 333	YB48482	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 334	YB48483	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 335	YB48484	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 336	YB48485	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 337	YB48486	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 338	YB48487	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 339	YB48488	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 340	YB48489	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 341	YB48490	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 342	YB48491	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 343	YB48492	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 344	YB48493	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 345	YB48494	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 346	YB48495	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 347	YB48496	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 348	YB48497	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 349	YB48498	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 350	YB48499	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 351	YB48500	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 352	YB48501	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 353	YB48502	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 354	YB48503	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 355	YB48504	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 356	YB48505	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 357	YB48506	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 358	YB48507	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 359	YB48508	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 360	YB48509	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 361	YB48510	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 362	YB48511	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 363	YB48512	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 364	YB48513	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 365	YB48514	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 366	YB48515	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 367	YB48516	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 368	YB48517	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 369	YB48518	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 370	YB48519	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 371	YB48520	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 372	YB48521	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 373	YB48522	1	1994/05/02	1980/05/02	2004/04/15

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TAG	TAG 374	YB48523	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 375	YB48524	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 376	YB48525	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 377	YB48526	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 378	YB48527	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 379	YB48528	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 380	YB48529	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 381	YB48530	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 382	YB48531	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 383	YB48532	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 384	YB48533	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 385	YB48534	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 386	YB48535	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 387	YB48536	1	1994/05/02	1980/05/02	2004/04/15
TAG	TAG 388	YB48537	1	1994/05/02	1980/05/02	2004/04/07
TAG	TAG 389	YB48538	1	1994/05/02	1980/05/02	2004/04/07
TAG	TAG 390	YB48539	1	1994/05/02	1980/05/02	2004/04/07
TAG	TAG 391	YB48540	1	1994/05/02	1980/05/02	2004/04/07
TAG	TAG 392	YB48541	1	1994/05/02	1980/05/02	2004/04/07
TAG	TAG 393	YB48542	1	1994/05/02	1980/05/02	2004/04/07
TAG	TAG 394	YB48543	1	1994/05/02	1980/05/02	2004/04/07
TAG	TAG 395	YB48544	1	1994/05/02	1980/05/02	2004/04/07
TAG	TAG 396	YB48545	1	1994/05/02	1980/05/02	2004/04/07
TAG	TAG 397	YB48546	1	1994/05/02	1980/05/02	2004/04/07
TAG	TAG 398	YB48940	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 399	YB48941	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 400	YB48942	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 401	YB48943	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 402	YB48944	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 403	YB48945	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 404	YB48946	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 405	YB48947	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 406	YB48948	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 407	YB48949	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 408	YB48950	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 409	YB48951	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 410	YB48952	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 411	YB48953	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 412	YB48954	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 413	YB48955	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 414	YB48956	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 415	YB48957	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 416	YB48958	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 417	YB48959	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 418	YB48960	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 419	YB48961	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 420	YB48962	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 421	YB48963	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 422	YB48964	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 423	YB48965	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 424	YB48966	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 425	YB48967	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 426	YB48968	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 427	YB48969	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 428	YB48970	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 429	YB48971	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 430	YB48972	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 431	YB48973	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 432	YB48974	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 433	YB48975	1	1994/05/27	1980/04/15	2004/04/15

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TAG	TAG 434	YB48976	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 435	YB48977	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 436	YB48978	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 437	YB48979	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 438	YB48980	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 439	YB48981	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 440	YB48982	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 441	YB48983	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 442	YB48984	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 443	YB48985	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 444	YB48986	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 445	YB48987	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 446	YB48988	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 447	YB48989	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 448	YB48990	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 449	YB48991	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 450	YB48992	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 451	YB48993	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 452	YB48994	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 453	YB48995	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 454	YB48996	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 455	YB48997	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 456	YB48998	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 457	YB48999	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 458	YB49000	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 459	YB49001	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 460	YB49002	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 461	YB49003	1	1994/05/27	1980/04/15	2004/04/15
TAG	TAG 462	YB49004	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 463	YB49005	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 464	YB49006	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 465	YB49007	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 466	YB49008	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 467	YB49009	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 468	YB49010	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 469	YB49011	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 470	YB49012	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 471	YB49013	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 472	YB49014	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 473	YB49015	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 474	YB49016	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 475	YB49017	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 476	YB49018	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 477	YB49019	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 478	YB49020	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 479	YB49021	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 480	YB49022	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 481	YB49023	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 482	YB49024	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 483	YB49025	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 484	YB49026	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 485	YB49027	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 486	YB49028	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 487	YB49029	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 488	YB49030	1	1994/05/27	1980/04/15	2000/04/15
TAG	TAG 489	YB49565	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 490	YB49566	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 491	YB49567	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 492	YB49568	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 493	YB49569	1	1994/06/22	1980/04/15	2004/04/15

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TAG	TAG 494	YB49570	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 495	YB49571	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 496	YB49572	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 497	YB49573	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 498	YB49574	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 499	YB49575	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 500	YB49576	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 501	YB49577	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 502	YB49578	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 503	YB49579	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 504	YB49580	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 505	YB49581	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 506	YB49582	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 507	YB49583	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 508	YB49584	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 509	YB49585	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 510	YB49586	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 511	YB49587	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 512	YB49588	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 513	YB49589	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 514	YB49590	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 515	YB49591	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 516	YB49592	1	1994/06/22	1980/04/15	2004/04/15
TAG	TAG 517	YB49593	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 518	YB49594	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 519	YB49595	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 520	YB49596	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 521	YB49597	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 522	YB49598	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 523	YB49599	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 524	YB49600	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 525	YB49601	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 526	YB49602	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 527	YB49603	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 528	YB49604	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 529	YB49605	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 530	YB49606	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 531	YB49607	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 532	YB49608	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 533	YB49609	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 534	YB49610	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 535	YB49611	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 536	YB49612	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 537	YB49613	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 538	YB49614	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 539	YB49615	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 540	YB49616	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 541	YB49617	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 542	YB49618	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 543	YB49619	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 544	YB49620	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 545	YB49621	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 546	YB49622	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 547	YB49623	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 548	YB49624	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 549	YB49625	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 550	YB49626	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 551	YB49627	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 552	YB49628	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 553	YB49629	1	1994/06/22	1980/04/15	2000/04/15

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TAG	TAG 555	YB49630	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 557	YB49631	1	1994/06/22	1980/04/15	2000/04/15
TAG	TAG 559	YB50436	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 560	YB50437	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 561	YB50438	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 562	YB50439	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 563	YB50440	1	1994/07/07	1980/04/07	2005/04/07
TAG	TAG 564	YB50441	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 565	YB50442	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 566	YB50443	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 567	YB50444	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 568	YB50445	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 569	YB50446	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 570	YB50447	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 571	YB50448	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 572	YB50449	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 573	YB50450	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 574	YB50451	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 575	YB50452	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 576	YB50453	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 577	YB50454	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 578	YB50455	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 579	YB50456	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 580	YB50457	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 581	YB50458	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 582	YB50459	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 583	YB50460	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 584	YB50461	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 585	YB50462	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 586	YB50463	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 587	YB50464	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 588	YB50465	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 589	YB50466	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 590	YB50467	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 591	YB50468	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 592	YB50469	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 593	YB50470	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 594	YB50471	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 595	YB50472	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 596	YB50473	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 597	YB50474	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 598	YB50475	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 599	YB50476	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 600	YB50477	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 601	YB50478	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 602	YB50479	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 603	YB50480	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 604	YB50481	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 605	YB50482	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 606	YB50483	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 607	YB50484	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 608	YB50485	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 609	YB50486	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 610	YB50487	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 611	YB50488	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 612	YB50489	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 613	YB50490	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 614	YB50491	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 615	YB50492	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 616	YB50493	1	1994/07/07	1980/07/07	2004/04/07

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TAG	TAG 617	YB50494	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 618	YB50495	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 619	YB50496	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 620	YB50497	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 621	YB50498	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 622	YB50499	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 623	YB50500	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 624	YB50501	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 625	YB50502	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 626	YB50503	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 627	YB50504	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 628	YB50505	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 629	YB50506	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 630	YB50507	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 631	YB50508	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 632	YB50509	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 633	YB50510	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 634	YB50511	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 635	YB50512	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 636	YB50513	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 637	YB50514	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 638	YB50515	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 639	YB50516	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 640	YB50517	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 641	YB50518	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 642	YB50519	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 643	YB50520	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 644	YB50521	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 645	YB50522	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 646	YB50523	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 647	YB50524	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 648	YB50525	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 649	YB50526	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 650	YB50527	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 651	YB50528	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 652	YB50529	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 653	YB50530	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 654	YB50531	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 655	YB50532	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 656	YB50533	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 657	YB50534	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 658	YB50535	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 659	YB50536	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 660	YB50537	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 661	YB50538	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 662	YB50539	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 663	YB50540	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 664	YB50541	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 665	YB50542	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 666	YB50543	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 667	YB50544	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 668	YB50545	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 669	YB50546	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 670	YB50547	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 671	YB50548	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 672	YB50549	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 673	YB50550	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 674	YB50551	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 675	YB50552	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 676	YB50553	1	1994/07/07	1980/07/07	2004/04/07

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 677	YB50554	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 678	YB50555	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 679	YB50556	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 680	YB50557	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 681	YB50558	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 682	YB50559	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 683	YB50560	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 684	YB50561	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 685	YB50562	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 686	YB50563	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 687	YB50564	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 688	YB50565	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 689	YB50566	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 690	YB50567	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 691	YB50568	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 692	YB50569	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 693	YB50570	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 694	YB50571	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 695	YB50572	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 696	YB50573	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 697	YB50574	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 698	YB50575	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 699	YB50576	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 700	YB50577	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 701	YB50578	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 702	YB50579	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 703	YB50580	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 704	YB50581	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 705	YB50582	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 706	YB50583	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 707	YB50584	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 708	YB50585	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 709	YB50586	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 710	YB50587	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 711	YB50588	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 712	YB50589	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 713	YB50590	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 714	YB50591	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 715	YB50592	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 716	YB50593	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 717	YB50594	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 718	YB50595	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 719	YB50596	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 720	YB50597	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 721	YB50598	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 722	YB50599	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 723	YB50600	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 724	YB50601	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 725	YB50602	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 726	YB50603	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 727	YB50604	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 728	YB50605	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 729	YB50606	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 730	YB50607	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 731	YB50608	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 732	YB50609	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 733	YB50610	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 734	YB50611	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 735	YB50612	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 736	YB50613	1	1994/07/07	1980/07/07	2004/04/07

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 737	YB50614	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 738	YB50615	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 739	YB50616	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 740 FR.	YB50617	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 741	YB50618	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 742	YB50619	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 743	YB50620	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 744	YB50621	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 745	YB50622	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 746	YB50623	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 747	YB50624	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 748	YB50625	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 749	YB50626	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 750	YB50627	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 751	YB50628	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 752	YB50629	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 753	YB50630	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 754	YB50631	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 755	YB50632	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 756	YB50633	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 757	YB50634	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 758	YB50635	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 759	YB50636	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 760	YB50637	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 761	YB50638	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 762	YB50639	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 763	YB50640	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 764	YB50641	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 765	YB50642	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 766	YB50643	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 767	YB50644	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 768	YB50645	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 769	YB50646	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 770	YB50647	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 771	YB50648	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 772	YB50649	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 773	YB50650	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 774	YB50651	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 775	YB50652	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 776	YB50653	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 777	YB50654	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 778	YB50655	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 779	YB50656	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 780	YB50657	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 781	YB50658	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 782	YB50659	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 783	YB50660	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 784	YB50661	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 785	YB50662	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 786	YB50663	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 787	YB50664	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 788	YB50665	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 789	YB50666	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 790	YB50667	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 791	YB50668	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 792	YB50669	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 793	YB50670	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 794	YB50671	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 795	YB50672	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 796	YB50673	1	1994/07/07	1980/07/07	2005/04/07

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 797	YB50674	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 798	YB50675	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 799	YB50676	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 800	YB50677	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 801	YB50678	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 802	YB50679	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 803	YB50680	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 804	YB50681	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 805	YB50682	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 806	YB50683	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 807	YB50684	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 808	YB50685	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 809	YB50686	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 810	YB50687	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 811	YB50688	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 812	YB50689	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 813	YB50690	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 814	YB50691	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 815 FR.	YB50692	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 816 FR.	YB50693	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 817	YB50694	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 818	YB50695	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 819	YB50696	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 820	YB50697	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 821	YB50698	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 822	YB50699	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 823	YB50700	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 824	YB50701	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 825	YB50702	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 826	YB50703	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 827	YB50704	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 828	YB50705	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 829	YB50706	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 830	YB50707	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 831	YB50708	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 832	YB50709	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 833	YB50710	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 834	YB50711	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 835	YB50712	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 836	YB50713	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 837	YB50714	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 838	YB50715	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 839	YB50716	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 840	YB50717	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 841	YB50718	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 842	YB50719	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 843	YB50720	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 844	YB50721	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 845	YB50722	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 846	YB50723	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 847	YB50724	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 848	YB50725	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 849	YB50726	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 850	YB50727	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 851	YB50728	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 852	YB50729	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 853	YB50730	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 854	YB50731	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 855	YB50732	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 856	YB50733	1	1994/07/07	1980/07/07	2004/04/07

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 857	YB50734	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 858	YB50735	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 859	YB50736	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 860	YB50737	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 861	YB50738	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 862	YB50739	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 863	YB50740	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 864	YB50741	1	1994/07/07	1980/07/07	2008/04/15
TAG	TAG 865	YB50742	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 866	YB50743	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 867	YB50744	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 868	YB50745	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 869	YB50746	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 870	YB50747	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 871	YB50748	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 872	YB50749	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 873	YB50750	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 874	YB50751	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 875	YB50752	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 876	YB50753	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 877	YB50754	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 878	YB50755	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 879	YB50756	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 880	YB50757	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 881	YB50758	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 882	YB50759	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 883	YB50760	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 884	YB50761	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 885	YB50762	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 886	YB50763	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 887	YB50764	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 888	YB50765	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 889	YB50766	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 890	YB50767	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 891	YB50768	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 892	YB50769	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 893	YB50770	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 894	YB50771	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 895	YB50772	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 896	YB50773	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 897	YB50774	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 898	YB50775	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 899	YB50776	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 900	YB50777	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 901	YB50778	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 902	YB50779	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 903	YB50780	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 904	YB50781	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 905	YB50782	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 906	YB50783	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 907	YB50784	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 908	YB50785	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 909	YB50786	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 910	YB50787	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 911	YB50788	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 912	YB50789	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 913	YB50790	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 914	YB50791	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 915	YB50792	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 916	YB50793	1	1994/07/07	1980/07/07	2004/04/07

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 917	YB50794	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 918	YB50795	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 919	YB50796	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 920	YB50797	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 921	YB50798	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 922	YB50799	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 923	YB50800	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 924	YB50801	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 925	YB50802	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 926	YB50803	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 927	YB50804	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 928	YB50805	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 929	YB50806	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 930	YB50807	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 931	YB50808	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 932	YB50809	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 933	YB50810	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 934	YB50811	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 935	YB50812	1	1994/07/07	1980/07/07	2004/04/15
TAG	TAG 936	YB50813	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 937	YB50814	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 938	YB50815	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 939	YB50816	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 940	YB50817	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 941	YB50818	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 942	YB50819	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 943	YB50820	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 944	YB50821	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 945	YB50822	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 946	YB50823	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 947	YB50824	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 948	YB50825	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 949	YB50826	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 950	YB50827	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 951	YB50828	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 952	YB50829	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 953	YB50830	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 954	YB50831	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 955	YB50832	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 956	YB50833	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 957	YB50834	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 958	YB50835	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 959	YB50836	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 960	YB50837	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 961	YB50838	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 962	YB50839	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 963	YB50840	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 964	YB50841	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 965	YB50842	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 966	YB50843	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 967	YB50844	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 968	YB50845	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 969	YB50846	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 970	YB50847	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 971	YB50848	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 972	YB50849	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 973	YB50850	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 974	YB50851	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 975	YB50852	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 976	YB50853	1	1994/07/07	1980/07/07	2004/04/07

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 977	YB50854	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 978	YB50855	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 979	YB50856	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 980	YB50857	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 981	YB50858	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 982	YB50859	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 983	YB50860	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 984	YB50861	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 985	YB50862	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 986	YB50863	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 987	YB50864	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 988	YB50865	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 989	YB50866	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 990	YB50867	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 991	YB50868	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 992	YB50869	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 993	YB50870	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 994	YB50871	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 995	YB50872	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 996	YB50873	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 997	YB50874	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 998	YB50875	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 999	YB50876	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1000	YB50877	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1001	YB50878	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1002	YB50879	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1003	YB50880	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1004	YB50881	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1005	YB50882	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1006	YB50883	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1007	YB50884	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1008	YB50885	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1009	YB50886	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1010	YB50887	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1011	YB50888	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1012	YB50889	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1013	YB50890	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1014	YB50891	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1015	YB50892	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1016	YB50893	1	1994/07/07	1980/07/07	2005/04/07
TAG	TAG 1017	YB50894	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1018	YB50895	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1019	YB50896	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1020	YB50897	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1021	YB50898	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1022	YB50899	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1023	YB50900	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1024	YB50901	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1025	YB50902	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1026	YB50903	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1027	YB50904	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1028	YB50905	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1029	YB50906	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1030	YB50907	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1031	YB50908	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1032	YB50909	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1033	YB50910	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1034 FR	YB50911	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1035	YB50912	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1036	YB50913	1	1994/07/07	1980/07/07	2004/04/07

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 1037	YB50914	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1038	YB50915	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1039	YB50916	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1040	YB50917	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1041	YB50918	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1042	YB50919	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1043	YB50920	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1044	YB50921	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1045	YB50922	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1046	YB50923	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1047	YB50924	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1048	YB50925	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1049	YB50926	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1050	YB50927	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1051	YB50928	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1052	YB50929	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1053	YB50930	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1054	YB50931	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1055	YB50932	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1056	YB50933	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1057	YB50934	1	1994/07/07	1980/07/07	2004/04/07
TAG	TAG 1057	YB51214	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1058	YB51215	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1059	YB51216	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1060	YB51217	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1061	YB51218	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1062	YB51219	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1063	YB51220	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1064	YB51221	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1065	YB51222	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1066	YB51223	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1067	YB51224	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1068	YB51225	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1069	YB51226	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1070	YB51227	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1071	YB51228	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1072	YB51229	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1073	YB51230	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1074	YB51231	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1075	YB51232	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1076	YB51233	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1077	YB51234	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1078	YB51235	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1079	YB51236	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1080	YB51237	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1081	YB51238	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1082	YB51239	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1083	YB51240	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1084	YB51241	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1085	YB51242	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1086	YB51243	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1087	YB51244	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1088	YB51245	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1089	YB51246	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1090	YB51247	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1091	YB51248	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1092	YB51249	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1093	YB51250	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1094	YB51251	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1095	YB51252	1	1994/07/19	1980/07/19	2004/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 1096	YB51253	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1097	YB51254	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1098	YB51255	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1099	YB51256	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1100	YB51257	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1101	YB51258	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1102	YB51259	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1103	YB51260	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1104	YB51261	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1105 FR	YB51262	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1106	YB51263	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1107	YB51264	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1108	YB51265	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1109	YB51266	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1110	YB51267	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1111	YB51268	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1112	YB51269	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1113	YB51270	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1114	YB51271	1	1994/07/19	1980/07/19	2004/04/15
TAG	TAG 1115	YB51332	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1116	YB51333	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1117	YB51334	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1118	YB51335	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1119	YB51336	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1120	YB51337	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1121	YB51338	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1122	YB51339	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1122	YB75005	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1123	YB51340	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1123	YB75006	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1124	YB51341	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1124	YB75007	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1125	YB51342	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1125	YB75008	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1126	YB51343	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1126	YB75009	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1127	YB51344	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1127	YB75010	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1128	YB51345	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1128	YB75011	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1129	YB51346	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1129	YB75012	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1130	YB51347	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1130	YB75013	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1131	YB51348	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1131	YB75014	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1132	YB51349	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1132	YB75015	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1133	YB51350	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1133	YB75016	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1134	YB51351	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1134	YB75017	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1135	YB51352	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1135	YB75018	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1136	YB51353	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1136	YB75019	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1137	YB51354	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1137	YB75020	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1138	YB51355	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1138	YB75021	1	1996/02/14	1980/02/14	1998/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 1139	YB51356	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1139	YB75022	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1140	YB51357	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1140	YB75023	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1141	YB51358	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1141	YB75024	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1142	YB51359	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1142	YB75025	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1143	YB51360	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1143	YB75054	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1144	YB51361	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1144	YB75055	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1145	YB51362	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1145	YB75056	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1146	YB51363	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1146	YB75057	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1147	YB51364	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1147	YB75058	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1148	YB51365	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1148	YB75059	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1149	YB51366	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1149	YB75060	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1150	YB51367	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1150	YB75061	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1151	YB51368	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1151	YB75062	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1152	YB51369	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1152	YB75063	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1153	YB51370	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1153	YB75064	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1154	YB51371	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1154	YB75065	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1155	YB51372	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1155	YB75066	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1156	YB51373	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1156	YB75067	1	1996/02/15	1980/02/15	1998/04/15
TAG	TAG 1157	YB51374	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1157	YB75026	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1158	YB51375	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1158	YB75027	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1159	YB51376	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1159	YB75028	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1160	YB51377	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1160	YB75029	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1161	YB51378	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1161	YB75030	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1162	YB51379	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1162	YB75031	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1163	YB51380	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1163	YB75032	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1164	YB51381	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1164	YB75033	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1165	YB51382	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1165	YB75034	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1166	YB51383	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1166	YB75035	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1167	YB51384	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1167	YB75036	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1168	YB51385	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1168	YB75037	1	1996/02/14	1980/02/14	1998/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 1169	YB51386	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1169	YB75038	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1170	YB51387	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1170	YB75039	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1171	YB51388	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1171	YB75040	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1172	YB51389	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1172	YB75041	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1173	YB51390	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1173	YB75042	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1174	YB51391	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1174	YB75043	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1175	YB51392	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1175	YB75044	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1176	YB51393	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1176	YB75045	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1177	YB51394	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1177	YB75046	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1178	YB51395	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1178	YB75047	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1179	YB51396	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1179	YB75048	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1180	YB51397	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1180	YB75049	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1181	YB51398	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1181	YB75050	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1182	YB51399	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1182	YB75051	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1183	YB51400	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1183	YB75052	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1184	YB51401	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1184	YB75053	1	1996/02/14	1980/02/14	1998/04/15
TAG	TAG 1185	YB51402	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1186	YB51403	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1187	YB51404	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1188	YB51405	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1189	YB51406	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1190	YB51407	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1191	YB51408	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1192	YB51409	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1193	YB51410	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1194	YB51411	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1195	YB51412	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1196	YB51413	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1197	YB51414	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1198	YB51415	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1199	YB51416	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1200	YB51417	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1201	YB51418	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1202	YB51419	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1203	YB51420	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1204	YB51421	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1205	YB51422	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1206	YB51423	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1207	YB51424	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1208	YB51425	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1209	YB51426	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1210	YB51427	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1211	YB51428	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1212	YB51429	1	1994/08/03	1980/08/03	2000/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 1213	YB51430	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1214	YB51431	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1215	YB51432	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1216	YB51433	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1217	YB51434	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1218	YB51435	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1219	YB51436	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1220	YB51437	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1221	YB51438	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1222	YB51439	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1223	YB51440	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1224	YB51441	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1225	YB51442	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1226	YB51443	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1227	YB51444	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1228	YB51445	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1229	YB51446	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1230	YB51447	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1231	YB51448	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1232	YB51449	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1233	YB51450	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1234	YB51451	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1235	YB51452	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1236	YB51453	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1237	YB51454	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1238	YB51455	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1239	YB51456	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1240	YB51457	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1241	YB51458	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1242	YB51459	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1243	YB51460	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1244	YB51461	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1245	YB51462	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1246	YB51463	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1247	YB51464	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1248	YB51465	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1249	YB51466	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1250	YB51467	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1251	YB51468	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1252	YB51469	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1253	YB51470	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1254	YB51471	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1255	YB51472	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1256	YB51473	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1257	YB51474	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1258	YB51475	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1259	YB51476	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1260	YB51477	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1261	YB51478	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1262	YB51479	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1263	YB51480	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1264	YB51481	1	1994/08/03	1980/08/03	2000/04/15
TAG	TAG 1265	YB51482	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1266	YB51483	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1267	YB51484	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1268	YB51485	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1269	YB55801	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1270 FR	YB55802	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1271 FR	YB55803	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1272	YB51486	1	1994/08/03	1980/08/03	2001/04/15

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TAG	TAG 1273	YB51487	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1274	YB51488	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1275	YB51489	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1276	YB51490	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1277	YB51491	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1278	YB51492	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1279	YB51493	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1280	YB51494	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1281	YB51495	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1282	YB51496	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1283	YB51497	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1284	YB51498	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1285	YB51499	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1286	YB51500	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1287	YB51501	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1288	YB51502	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1289	YB51503	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1290	YB51504	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1291	YB51505	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1292	YB51506	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1293	YB51507	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1294	YB51508	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1295	YB51509	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1296	YB51510	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1297	YB51511	1	1994/08/03	1980/08/03	2001/04/15
TAG	TAG 1297	YB55804	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1298	YB55805	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1299	YB55806	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1300	YB55807	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1301	YB55808	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1302	YB55809	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1303	YB55810	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1304	YB55811	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1305	YB55812	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1306	YB55813	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1307	YB55814	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1308	YB55815	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1309	YB55816	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1310	YB55817	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1311	YB55818	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1312	YB55819	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1313 FR	YB52267	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1314	YB52268	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1315	YB52269	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1316	YB52270	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1317	YB52271	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1318	YB52272	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1319	YB52273	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1320	YB52274	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1321	YB52275	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1322	YB52276	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1323	YB52277	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1324	YB52278	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1325	YB52279	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1326 FR	YB52280	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1327	YB52281	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1328	YB52282	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1329	YB52283	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1330	YB52284	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1331	YB52285	1	1994/08/31	1980/08/31	2001/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 1332	YB52286	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1333	YB52287	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1334	YB52288	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1335	YB52289	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1336	YB52290	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1337	YB52291	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1338	YB52292	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1339	YB52293	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1340	YB52294	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1341	YB55820	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1342	YB55821	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1343	YB55822	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1344	YB55823	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1345	YB55824	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1346	YB55825	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1347	YB55826	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1348	YB55827	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1349	YB55828	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1350	YB55829	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1351	YB55830	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1352	YB55831	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1353	YB55832	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1354	YB55833	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1355	YB55834	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1356	YB55835	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1357	YB55836	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1358	YB55837	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1359	YB55838	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1360	YB55839	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1361	YB55840	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1362	YB55841	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1363	YB55842	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1364	YB55843	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1365	YB55844	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1366	YB55845	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1367	YB55846	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1368	YB55847	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1369	YB55848	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1370	YB55849	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1371	YB55850	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1372	YB55851	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1373	YB55852	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1374	YB55853	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1375	YB52295	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1376	YB52296	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1377	YB52297	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1378	YB52298	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1379	YB52299	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1380	YB52300	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1381	YB55301	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1382	YB55302	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1383	YB55303	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1384	YB55304	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1385	YB55305	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1386	YB55306	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1387	YB55307	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1388	YB55308	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1389	YB55309	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1390	YB55310	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1391	YB55311	1	1994/08/31	1980/08/31	2001/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 1392	YB55312	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1393	YB55313	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1394	YB55314	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1395	YB55315	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1396	YB55316	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1397	YB55317	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1398	YB55318	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1399	YB55319	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1400	YB55320	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1401	YB55321	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1402	YB55322	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1403	YB55323	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1404	YB55324	1	1994/08/31	1980/08/31	2001/04/15
TAG	TAG 1405	YB55855	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1406	YB55856	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1407	YB55857	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1408	YB55858	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1409	YB55859	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1410	YB55860	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1411	YB55861	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1412	YB55862	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1413 FR	YB55863	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1414	YB55864	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1415	YB55865	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1416	YB55866	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1417	YB55867	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1418	YB55868	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1419	YB55869	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1420	YB55870	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1421	YB55871	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1422	YB55872	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1423	YB55873	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1424	YB55874	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1425	YB55875	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1426	YB55876	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1427	YB55877	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1428	YB55878	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1429	YB55879	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1430 FR	YB55880	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1431	YB55881	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1432	YB55882	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1433	YB55883	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1434	YB55884	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1435	YB55885	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1436	YB55886	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1437	YB55887	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1438	YB55888	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1439	YB55889	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1440	YB55890	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1441	YB55891	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1442	YB55892	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1443	YB55893	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1444	YB55894	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1445	YB55895	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1446	YB55896	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1447	YB55897	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1448	YB55898	1	1994/09/06	1980/09/06	2001/04/15
TAG	TAG 1449	YB55325	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1450	YB55326	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1451	YB55327	1	1994/08/31	1980/08/31	2000/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 1452	YB55328	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1453	YB55329	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1454	YB55330	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1455	YB55331	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1456	YB55332	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1457	YB55333	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1458	YB55334	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1459	YB55335	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1460	YB55336	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1461	YB55337	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1462	YB55338	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1463	YB55339	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1464	YB55340	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1465	YB55341	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1466	YB55342	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1467	YB55343	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1468	YB55344	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1469	YB55899	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1470	YB55900	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1471	YB55901	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1472	YB55902	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1473	YB55903	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1474	YB55904	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1475	YB55905	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1476	YB55906	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1477	YB55907	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1478	YB55908	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1479	YB55909	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1480	YB55910	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1481	YB55911	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1482	YB55912	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1483	YB55913	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1484	YB55914	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1485	YB55915	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1486	YB55916	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1487	YB55917	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1488	YB55918	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1489	YB55919	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1490	YB55920	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1491	YB55921	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1492	YB55922	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1493	YB55923	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1494	YB55924	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1495	YB55925	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1496	YB55926	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1497	YB55927	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1498	YB55928	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1499	YB55929	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1500	YB55930	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1501	YB55931	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1502	YB55932	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1503	YB55933	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1504	YB55345	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1505	YB55346	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1506	YB55347	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1507	YB55348	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1508	YB55349	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1509	YB55350	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1510	YB55351	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1511	YB55352	1	1994/08/31	1980/08/31	2000/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 1512	YB55353	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1513	YB55354	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1514	YB55355	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1515	YB55356	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1516	YB55357	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1517	YB55358	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1518	YB55359	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1519	YB55360	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1520	YB55361	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1521	YB55362	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1522	YB55363	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1523	YB55364	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1524	YB55365	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1525	YB55366	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1526	YB55367	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1527	YB55368	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1528	YB55369	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1529	YB55370	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1530	YB55371	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1531	YB55372	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1532	YB55373	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1533	YB55374	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1534	YB55375	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1535	YB55376	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1536	YB55934	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1537	YB55935	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1538	YB55377	1	1994/08/31	1980/08/31	2000/04/15
TAG	TAG 1539	YB55936	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1540	YB55937	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1541	YB55938	1	1994/09/06	1980/09/06	2000/04/15
TAG	TAG 1542	YB56711	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1543	YB56712	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1544	YB56713	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1545	YB56714	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1546	YB56715	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1547	YB56716	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1548	YB56717	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1549	YB56718	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1550	YB56719	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1551	YB56720	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1552	YB56721	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1553	YB56722	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1554	YB56723	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1555	YB56724	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1556	YB56725	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1557	YB56726	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1558	YB56727	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1559	YB56728	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1560	YB56729	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1561	YB56730	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1562	YB56731	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1563	YB56732	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1564	YB56733	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1565	YB56734	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1566	YB56735	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1567	YB56736	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1568	YB56737	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1569	YB56738	1	1994/11/30	1980/11/30	2004/04/15
TAG	TAG 1570	YB56739	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1571	YB56740	1	1994/11/30	1980/11/30	2000/04/15

Property	Tenure	Record No	Units	Date/Rec	Anniv	Due Date
TAG	TAG 1572	YB56741	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1573	YB56742	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1574	YB56743	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1575	YB56744	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1576	YB56745	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1577	YB56746	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1578	YB56747	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1579	YB56748	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1580	YB56749	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1581	YB56750	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1582	YB56751	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1583	YB56752	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1584	YB56753	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1585	YB56754	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1586	YB56755	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1587	YB56756	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1588	YB56757	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1589	YB56758	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1590	YB56759	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1591	YB56760	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1592	YB56761	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1593	YB56762	1	1994/11/30	1980/11/30	2000/04/15
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TAG	TAG 1595	YB56764	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1596	YB56765	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1597	YB56766	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1598	YB56767	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1599	YB56768	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1600	YB56769	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1601	YB56770	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1602	YB56771	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1603	YB56772	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1604	YB56773	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1605	YB56774	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1606	YB56775	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1607	YB56776	1	1994/11/30	1980/11/30	2000/04/15
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TAG	TAG 1610	YB56779	1	1994/11/30	1980/11/30	2000/04/15
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TAG	TAG 1612	YB56781	1	1994/11/30	1980/11/30	2000/04/15
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TAG	TAG 1614	YB56783	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1615	YB56784	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1616	YB56785	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1617	YB56786	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1618	YB56787	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1619	YB56788	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1620	YB56789	1	1994/11/30	1980/11/30	2000/04/15
TAG	TAG 1621	YB56790	1	1994/11/30	1980/11/30	2000/04/15

Property	Tenure	Record No	Due Date
PELLY MTN.	COBB 1	YB60092	2001/06/15
PELLY MTN.	COBB 2	YB60093	2001/06/15
PELLY MTN.	COBB 3	YB60094	2001/06/15
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PELLY MTN.	COBB 5	YB60096	2001/06/15
PELLY MTN.	COBB 6	YB60097	2001/06/15
PELLY MTN.	COBB 7	YB60098	2001/06/15
PELLY MTN.	COBB 8	YB60099	2001/06/15
PELLY MTN.	COBB 9	YB60100	2001/06/15
PELLY MTN.	COBB 10	YB60101	2001/06/15
PELLY MTN.	COBB 11	YB60102	2001/06/15
PELLY MTN	COBB 12	YB60103	2001/06/15
PELLY MTN	COBB 13	YB60104	2001/06/15
PELLY MTN	COBB 14	YB60105	2001/06/15
PELLY MTN	COBB 15	YB60106	2001/06/15
PELLY MTN	COBB 16	YB60107	2001/06/15
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PELLY MTN	COBB 18	YB60109	2001/06/15
PELLY MTN	COBB 19	YB60110	2001/06/15
PELLY MTN	COBB 20	YB60111	2001/06/15
PELLY MTN	COBB 21	YB60112	2001/06/15
PELLY MTN	COBB 22	YB60113	2001/06/15
PELLY MTN	COBB 23	YB60114	2001/06/15
PELLY MTN	COBB 24	YB60115	2001/06/15
PELLY MTN	COBB 25	YB60116	2001/06/15
PELLY MTN	COBB 26	YB60117	2001/06/15
PELLY MTN	COBB 27	YB60118	2001/06/15
PELLY MTN	COBB 28	YB60119	2001/06/15
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PELLY MTN	COBB 30	YB60121	2001/06/15
PELLY MTN	COBB 31	YB60122	2001/06/15
PELLY MTN	COBB 32	YB60123	2001/06/15
PELLY MTN	COBB 33	YB60124	2001/06/15
PELLY MTN	COBB 34	YB60125	2001/06/15
PELLY MTN	COBB 35	YB60126	2001/06/15
PELLY MTN	COBB 36	YB60127	2001/06/15
PELLY MTN	COBB 37	YB60128	2001/06/15
PELLY MTN	COBB 38	YB60129	2001/06/15
PELLY MTN	COBB 39	YB60130	2001/06/15
PELLY MTN	COBB 40	YB60131	2001/06/15
PELLY MTN	COBB 41	YB60132	2001/06/15
PELLY MTN	COBB 42	YB60133	2001/06/15
PELLY MTN	COBB 43	YB60134	2001/06/15
PELLY MTN	COBB 44	YB60135	2001/06/15
PELLY MTN	COBB 45	YB60136	2001/06/15
PELLY MTN	COBB 46	YB60137	2001/06/15
PELLY MTN	COBB 47	YB60138	2001/06/15

Property	Tenure	Record No	Due Date
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PELLY MTN	COBB 50	YB60141	2001/06/15
PELLY MTN	COBB 51	YB60142	2001/06/15
PELLY MTN	COBB 52	YB60143	2001/06/15
PELLY MTN	COBB 53	YB60144	2001/06/15
PELLY MTN	COBB 54	YB60145	2001/06/15
PELLY MTN	COBB 55	YB60146	2001/06/15
PELLY MTN	COBB 56	YB60147	2001/06/15
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PELLY MTN	COBB 62	YB60153	2001/06/15
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PELLY MTN	COBB 64	YB60155	2001/06/15
PELLY MTN	COBB 65	YB60156	2001/06/15
PELLY MTN	COBB 66	YB60157	2001/06/15
PELLY MTN	COBB 67	YB60158	2001/06/15
PELLY MTN	COBB 68	YB60159	2001/06/15
PELLY MTN	COBB 69	YB60160	200120011
PELLY MTN	COBB 70	YB60161	2001/06/15
PELLY MTN	COBB 71	YB60162	2001/06/15
PELLY MTN	COBB 72	YB60163	2001/06/15
PELLY MTN	COBB 73	YB60164	2001/06/15
PELLY MTN	COBB 74	YB60165	2001/06/15
PELLY MTN	COBB 75	YB60166	2001/06/15
PELLY MTN	COBB 76	YB60167	2001/06/15
PELLY MTN	COBB 77	YB60168	2001/06/15
PELLY MTN	COBB 78	YB60169	2001/06/15
PELLY MTN	COBB 79	YB60170	2001/06/15
PELLY MTN	COBB 80	YB60171	2001/06/15
PELLY MTN	COBB 81	YB60172	2001/06/15
PELLY MTN	COBB 82	YB60173	2001/06/15
PELLY MTN	COBB 83	YB60174	2001/06/15
PELLY MTN	COBB 84	YB60175	2001/06/15
PELLY MTN	COBB 85	YB60176	2001/06/15
PELLY MTN	COBB 86	YB60177	2001/06/15
PELLY MTN	COBB 87	YB60178	2001/06/15
PELLY MTN	COBB 88	YB60179	2001/06/15

APPENDIX 2

1997 SOIL GEOCHEMISTRY DATA

LABNO	FIELDNO	PROP	CU	PB	ZN	AG	AS	BAICP	CD	CO	NI	FE	MO	CR	BI	SB	V	SN	W	SR	Y	LA	MN	MG	TI	AL	CA	NA	K	AU	WTA	BAXRF
S9714122	336293	TAG	34	15	247	1.4	40	81	1.0	6	37	3.05	16	18	2	2	50	1	1	13.0	3	13	186	0.080	0.010	0.690	0.030	0.010	0.050	5	10.0	2875
S9714123	336294	TAG	8	8	48	0.2	18	124	1.0	4	30	2.14	3	41	2	2	42	1	1	12.0	2	14	160	0.400	0.020	1.070	0.050	0.010	0.040	0	0.0	0
S9714124	336295	TAG	14	16	87	1.8	21	382	1.0	6	36	2.83	4	56	2	5	63	1	1	140.0	7	18	265	0.420	0.010	1.280	0.140	0.010	0.050	0	0.0	0
S9714125	336296	TAG	4	7	33	0.2	9	74	1.0	1	12	0.95	3	18	2	6	22	1	1	13.0	2	17	72	0.110	0.010	0.610	0.060	0.010	0.010	0	0.0	0
S9714126	336297	TAG	8	7	56	0.6	28	87	1.0	2	20	1.74	2	26	2	2	32	3	1	17.0	2	13	149	0.190	0.010	0.720	0.040	0.010	0.020	0	0.0	0
S9714127	336298	TAG	8	6	60	0.9	13	79	1.0	3	21	1.74	2	27	2	5	30	1	1	17.0	2	11	124	0.190	0.010	0.670	0.030	0.010	0.020	0	0.0	0
S9714128	336299	TAG	26	8	63	0.2	22	240	1.0	7	23	1.84	2	9	2	5	6	1	1	72.0	9	6	214	0.200	0.010	0.600	1.510	0.030	0.070	0	0.0	0
S9714129	336300	TAG	3	7	27	0.2	17	35	1.0	1	7	0.82	1	16	2	2	18	1	1	14.0	2	9	76	0.200	0.010	0.510	0.080	0.010	0.040	0	0.0	0
S9714130	336301	TAG	31	11	55	0.7	23	69	1.0	1	6	0.84	3	2	2	2	10	1	1	29.0	1	3	11	0.010	0.010	0.240	0.030	0.030	0.050	0	0.0	0
S9714131	336302	TAG	44	9	467	0.2	29	1020	10.0	21	80	2.63	9	41	2	5	33	1	1	69.0	17	14	3505	0.660	0.010	1.330	1.070	0.010	0.080	5	10.0	2465
S9714132	336303	TAG	33	7	84	0.2	1	483	1.0	8	50	2.37	3	55	2	2	35	1	1	18.0	12	17	395	0.770	0.020	1.270	0.300	0.010	0.060	0	0.0	0
S9714133	336304	TAG	17	2	73	0.2	1	432	1.0	1	53	0.30	1	17	2	2	3	1	1	137.0	1	2	73	0.320	0.010	0.230	2.390	0.040	0.050	0	0.0	0
S9714134	336305	TAG	24	4	75	0.2	13	253	1.0	8	51	2.12	1	69	2	2	29	1	1	70.0	5	7	326	0.750	0.020	1.000	1.200	0.010	0.100	0	0.0	0
S9714135	336306	TAG	37	2	74	0.2	5	303	2.0	1	23	0.20	1	2	2	6	2	1	1	183.0	3	3	805	0.240	0.010	0.230	3.200	0.040	0.020	0	0.0	0
S9714136	336307	TAG	38	2	21	0.2	1	404	1.0	2	33	0.73	1	21	2	2	9	1	1	79.0	9	6	514	0.160	0.010	0.630	1.280	0.020	0.020	0	0.0	0
S9714137	336308	TAG	76	4	92	0.8	11	616	1.0	5	75	1.05	3	30	2	2	10	1	1	158.0	14	9	696	0.420	0.010	0.900	2.630	0.030	0.040	5	10.0	1179
S9714138	336309	TAG	67	6	162	0.2	24	888	4.0	19	97	2.19	7	38	2	2	19	1	1	133.0	11	7	5009	0.330	0.010	0.790	2.360	0.010	0.030	5	10.0	1594
S9714139	336310	TAG	39	2	70	0.2	1	679	3.0	5	43	0.62	1	13	2	2	5	1	1	140.0	7	4	1187	0.360	0.010	0.460	2.870	0.030	0.030	0	0.0	0
S9714140	336311	TAG	20	2	60	0.2	15	294	1.0	5	45	1.05	2	32	2	7	14	1	1	71.0	5	4	240	0.420	0.010	0.530	1.640	0.010	0.040	0	0.0	0
S9714141	336312	TAG	29	12	143	0.5	16	422	1.0	11	49	2.24	4	53	2	7	31	1	1	58.0	8	13	529	0.640	0.010	0.990	0.470	0.010	0.070	5	10.0	2433
S9714142	336313	TAG	23	7	87	0.2	11	386	1.0	7	31	1.57	2	34	2	2	23	1	1	36.0	8	9	838	0.390	0.010	0.830	0.330	0.030	0.040	0	0.0	0
S9714143	336315	TAG	42	9	96	0.2	90	275	1.0	9	27	1.71	6	22	2	2	16	2	1	71.0	8	11	1037	0.290	0.010	0.650	1.100	0.030	0.070	0	0.0	0
S9714144	336316	TAG	107	2	152	0.2	34	265	5.0	3	42	0.48	4	5	2	7	7	1	1	202.0	10	3	1603	0.190	0.010	0.360	4.210	0.010	0.020	5	10.0	741
S9714145	336317	TAG	53	15	124	0.2	19	729	1.0	8	49	2.42	3	47	2	2	34	1	1	42.0	10	18	457	0.500	0.010	1.020	0.260	0.020	0.050	5	10.0	4425
S9714146	336318	TAG	89	4	60	0.2	7	288	3.0	6	27	0.49	6	2	2	5	5	1	1	114.0	13	3	341	0.060	0.010	0.260	1.870	0.010	0.020	5	2.5	624
S9714147	336319	TAG	27	2	162	0.2	1	270	4.0	1	25	0.28	8	2	2	6	6	1	1	127.0	1	1	125	0.060	0.010	0.140	2.120	0.030	0.010	5	3.0	545
S9714148	336320	TAG	18	2	135	0.2	1	127	5.0	1	12	0.13	3	2	2	2	2	1	1	86.0	1	1	13	0.060	0.010	0.090	1.490	0.020	0.020	-1	-1.0	422
S9714149	336321	TAG	111	7	304	0.8	20	538	14.0	7	60	1.07	3	22	2	7	16	1	1	141.0	15	8	1034	0.320	0.010	0.640	2.190	0.030	0.050	5	6.0	1934
S9714150	336322	TAG	85	6	159	0.5	17	655	7.0	2	38	0.54	4	11	2	2	9	1	1	187.0	27	12	379	0.200	0.010	0.410	3.000	0.030	0.030	5	10.0	1739
S9714151	336323	TAG	112	17	274	1.6	8	687	10.0	7	57	1.33	5	22	2	8	21	1	1	174.0	26	11	1221	0.250	0.010	0.920	1.500	0.040	0.040	5	10.0	2273
S9714152	336324	TAG	186	43	317	7.7	27	1173	26.0	15	86	1.76	17	44	2	9	52	1	1	340.0	50	14	7149	0.290	0.010	1.010	1.160	0.030	0.060	5	10.0	3455
S9714153	336325	TAG	44	2	153	0.7	1	641	9.0	1	35	0.40	1	5	2	2	3	2	1	117.0	18	6	515	0.040	0.010	0.500	1.360	0.010	0.010	5	10.0	1466
S9714154	336326	TAG	65	7	1243	0.7	5	718	25.0	7	133	0.98	5	13	2	7	7	1	1	212.0	20	9	2360	0.220	0.010	0.530	3.490	0.040	0.040	5	7.5	2317
S9714155	336327	TAG	40	2	17	0.2	3	335	1.0	1	11	0.30	1	5	2	2	3	1	1	109.0	10	6	71	0.070	0.010	0.440	2.110	0.020	0.010	0	0.0	0
S9714156	336328	TAG	80	6	51	0.9	1	754	3.0	2	35	0.42	1	6	2	2	3	1	1	190.0	34	21	876	0.160	0.010	0.620	3.910	0.030	0.050	5	4.0	1162
S9714157	336329	TAG	24	2	16	0.6	5	237	1.0	1	8	0.25	1	2	2	2	2	1	1	48.0	7	6	68	0.040	0.010	0.370	0.860	0.040	0.020	0	0.0	0
S9714158	336330	TAG	7	2	10	0.4	1	135	1.0	1	2	0.18	1	2	2	2	3	1	1	7.0	1	1	54	0.010	0.010	0.130	0.070	0.030	0.020	0	0.0	0
S9714159	336331	TAG	74	12	156	0.5	26	99	1.0	12	58	3.32	4	11	2	7	3	1	1	20.0	12	10	326	0.050	0.010	0.130	0.130	0.010	0.020	5	5.0	5520
S9714160	336332	TAG	18	8	85	0.2	6	168	1.0	1	12	1.08	10	7	2	2	27	1	1	7.0	1	11	43	0.040	0.010	0.680	0.020	0.030	0.020	0	0.0	0
S9714162	336334	TAG	39	15	125	0.7	34	233	1.0	4	20	2.09	7	13	2	6	37	1	1	40.0	3	16	99	0.060	0.010	0.870	0.040	0.020	0.030	5	10.0	2698
S9714163	336335	TAG	6	7	59	0.4	34	37	1.0	3	14	2.62	3	25	5	2	53	1	1	8.0	3	7	152	0.300	0.040	0.710	0.090	0.020	0.030	0	0.0	0
S9714164	336336	TAG	5	7	40	0.4	9	54	1.0	4	49	2.74	2	54	2	2	56	1	1	3.0	2	9	198	0.230	0.040	0.800	0.040	0.020	0.030	0	0.0	0
S9714165	336337	TAG	8	6	20	0.2	9	120	1.0	1	10	0.98	3	14	2	2	27	2	1	12.0	1	4	170	0.070	0.010	0.550	0.030	0.030	0.040	0	0.0	0
S9714166	336338	TAG	8	2	15	0.2	9	76	1.0	1	6	0.66	1	11	2	2	14	1	1	3.0	1	5	50	0.080	0.010	0.460	0.030	0.030	0.030	0	0.0	0
S9714167	336339	TAG	12	6	53	0.2	11	116	1.0	6	18	2.73	3	28	2	2	40	1	1	5.0	2	11	359	0.450	0.020	1.240	0.050	0.020	0.040	0	0.0	0
S9714168	336340	TAG	8	4	25	0.2	5	56	1.0	2	9	1.29	1	14	2	2	28	1	1	3.0	1	8	124	0.160	0.030	0.610	0.030	0.020	0.010	0	0.0	0
S9714169	336341	TAG	89	6	76	0.5	20	374	1.0	8	50	2.07	2	35	2	5	26	1	1	111.0	32	22	462	0.660	0.010	1.260	1.370	0.030	0.070	5	10.0	1827
S9714170	336342	TAG	9	8	44	0.2	23	73	1.0	5	16	2.23	3	25	2	2	41	1	1	5.0	2	8	239	0.330	0.040	0.800	0.050	0.020	0.030	0	0.0	0
S9714171	336343	TAG	86	2	80	0.2	11	508	6.0	8	32	0.82	4	14	2	9	11	1	1	102.0	12	6	2170	0.400	0.010	0.590	2.080	0.020	0.040	5	10.0	1122
S9714172	336344	TAG	36	6	80	0.2	21	311	1.0	10	40	2.77	3	49	2	2	45	1	1	18.0	12	17	481	0.770	0.040	1.270	0.310	0.020	0.080	0	0.0	0
S9714173	336345	TAG	37	7	91	0.2	14	227	1.0	8	28	2.86	3	13	2	2	11	1	1	37.0	14	19	185	0.330	0.010	0.810	0.680	0.010	0.080	0	0.0	0
S9714174	336346	TAG	151	5	108	1.8	59	264	1.0	5	40	1.84	3	19	2	17	19	1	1	91.0	16	8	159	0.390	0.010	0.730	1.760	0.010	0.050	5	10.0	1475
S9714175	336347	TAG	13	2	33	0.2	23	58	1.0	3	11	1.70	2	2	2	2	3	1	1	111.0	14	8	386	2.860	0.010	0.070	6.020	0.010	0.010	0	0.0	0
S9714176	336348	TAG	30	7	60	1.1	135	212	1.0	11	16	1.92	10	14	2	2	21	1	1	34.0	6	4	1015	0.190	0.010	0.510	0.390	0.030	0.030	0	0.0	0
S9714189	336361	TAG	41	2	22	0.2	247	125	1.0	6	10	3.07	4	6	2	2	51	1	1	40.0	3	3	412	0.050	0.010	0.530	0.750	0.030	0.010	0	0.0	0
S9714190	336362	TAG	114	4	91	0.2	113	481	2.0	10	39	1.72	9	10	2	11	15	1	1	109.0	14	4	1949	0.230	0.010	0.590	1.920	0.030	0.030	5	7.0	1780
S9714191	336363	TAG	71	2	93	0.7	23	527	5.0	4	35	1.04	9	5	2	6	7	2	1	118.0	10	3	1594	0.170	0.010	0.320	1.610	0.030	0.050	5	4.5	853
S9714192	336364	TAG	25	2	57	0.2	20	224	2.0	3	11	0.45	8	2	2	2	3	1	1	105.0	3	2	983	0.260	0.010	0.270	1.760	0.030	0.030	0	0.0	0
S9714193	336365	TAG	22	2	20	0.4	10	96	1.0	1	9	0.26	1	2	2	2	3	1	1	45.0	4	1	202	0.070	0.010	0.190	0.630	0.040	0.010	0	0.0	0
S9714194	336366	TAG	23	2	21	0.8	3	100	1.0	1	10	0.35	1	2	2	5	2	1	1	39.0	5	3	28	0.050	0.010	0.190	0.470	0.030	0.010	0	0.0	0
S9714195	336367	TAG	62	4	104	0.5	9	415	5.0	4	32	1.20	3	7	2	17	16	1	1	118.0	14	3	531	0.200	0.010	0.500	1.250	0.030	0.060	5	4.5	1606

S9714196	336368	TAG	21	2	223	0.4	1	47	7.0	1	54	0.25	9	2	2	51	20	1	1	51.0	1	1	83	0.060	0.010	0.160	0.930	0.030	0.020	5	4.5	367
S9714197	336369	TAG	80	2	141	0.4	13	208	3.0	1	26	0.44	2	2	2	12	3	1	1	137.0	5	2	160	0.250	0.010	0.320	2.260	0.030	0.020	5	3.5	387
S9714198	336370	TAG	41	2	136	0.2	9	273	3.0	6	21	0.96	5	2	2	10	3	1	1	155.0	4	2	1893	0.180	0.010	0.370	1.830	0.030	0.030	5	3.0	501
S9714199	336371	TAG	61	14	198	0.7	12	285	2.0	4	34	1.27	4	14	2	2	17	1	1	104.0	11	5	220	0.270	0.010	0.430	1.120	0.010	0.030	5	10.0	3282
S9714200	336372	TAG	33	10	188	0.5	63	317	2.0	15	27	2.39	4	13	2	2	15	1	1	96.0	6	3	1410	0.280	0.010	0.440	1.630	0.010	0.030	5	10.0	1977
S9714201	336373	TAG	40	6	305	0.2	17	258	6.0	7	33	0.81	5	9	2	2	10	1	1	117.0	5	3	931	0.260	0.010	0.320	2.150	0.030	0.050	5	4.0	1020
S9714202	336374	TAG	51	9	969	0.2	206	662	6.0	36	239	3.03	18	57	2	10	21	1	1	85.0	6	5	11882	0.790	0.010	0.840	1.540	0.030	0.040	5	10.0	1695
S9714203	336375	TAG	13	2	69	0.2	11	123	1.0	2	14	0.14	2	6	2	2	2	1	1	17.0	1	1	258	0.050	0.010	0.140	0.290	0.050	0.010	0	0.0	0
S9714204	336376	TAG	26	7	97	0.2	40	169	1.0	11	84	2.39	3	87	2	2	33	1	1	32.0	8	12	433	1.030	0.010	1.200	0.720	0.030	0.070	0	0.0	0
S9714205	336377	TAG	28	8	59	0.2	19	316	1.0	8	49	1.89	3	59	2	2	24	1	1	33.0	6	8	446	0.570	0.010	1.090	0.730	0.030	0.040	0	0.0	0
S9714206	336378	TAG	63	14	173	0.7	23	512	3.0	10	91	2.46	6	29	2	5	13	1	1	145.0	10	6	1074	0.490	0.010	0.750	3.030	0.030	0.090	5	10.0	1319
S9714537	336661	TAG	25	7	90	0.2	20	260	1.0	9	30	2.14	2	41	2	7	29	1	1	93.0	9	9	565	0.710	0.020	1.150	1.630	0.020	0.100	0	0.0	0
S9714538	336662	TAG	13	13	82	1.0	13	377	1.0	4	16	2.25	6	28	2	9	47	1	1	30.0	3	12	198	0.220	0.010	0.990	0.090	0.010	0.030	0	0.0	0
S9714539	336663	TAG	30	4	73	0.4	17	724	1.0	5	19	1.46	2	19	2	11	21	1	1	25.0	9	9	229	0.330	0.010	0.800	0.300	0.040	0.040	0	0.0	0
S9714540	336664	TAG	145	4	287	0.7	15	503	29.0	8	63	1.12	9	20	2	17	40	1	1	46.0	19	9	368	0.160	0.010	1.020	0.740	0.030	0.020	5	10.0	1377
S9714541	336665	TAG	27	11	68	0.4	18	160	1.0	10	16	2.72	2	24	2	6	45	1	1	7.0	4	6	2531	0.240	0.030	1.130	0.030	0.020	0.020	0	0.0	0
S9714542	336666	TAG	63	9	108	0.7	14	160	1.0	1	9	1.80	3	6	2	11	6	1	1	107.0	5	5	56	0.010	0.010	0.420	0.080	0.010	0.100	5	10.0	2035
S9714543	336667	TAG	8	8	18	0.2	10	92	1.0	1	7	0.74	3	13	2	5	23	1	1	14.0	1	6	43	0.060	0.010	0.490	0.030	0.020	0.010	0	0.0	0
S9714544	336668	TAG	51	19	57	0.5	26	230	1.0	3	12	1.42	6	16	2	2	26	1	1	55.0	5	7	260	0.130	0.010	0.680	0.070	0.030	0.040	0	0.0	0
S9714545	336669	TAG	65	11	98	0.5	19	333	3.0	7	27	1.74	3	24	2	5	25	1	1	101.0	10	7	303	0.340	0.010	0.780	0.740	0.030	0.030	5	10.0	1634
S9714546	336670	TAG	245	2	207	0.5	2	328	18.0	1	53	0.28	3	2	2	7	3	1	1	177.0	9	3	831	0.300	0.010	0.420	2.970	0.010	0.010	5	10.0	491
S9714547	336671	TAG	42	6	55	0.2	13	384	1.0	11	42	2.05	4	39	2	10	31	1	1	32.0	9	9	511	0.610	0.010	1.120	0.650	0.010	0.030	0	0.0	0
S9714548	336672	TAG	18	8	69	0.2	22	180	1.0	9	29	2.99	4	40	2	13	47	1	1	9.0	4	8	394	0.600	0.030	1.190	0.130	0.010	0.050	0	0.0	0
S9714549	336673	TAG	40	8	82	0.2	26	175	1.0	10	23	2.84	4	11	2	6	8	1	1	45.0	18	18	281	0.230	0.010	0.630	0.970	0.030	0.040	0	0.0	0
S9714550	336674	TAG	86	2	159	0.8	9	229	3.0	1	36	0.57	2	2	2	14	5	3	1	143.0	9	3	420	0.280	0.010	0.380	2.590	0.020	0.020	5	10.0	775
S9714551	336675	TAG	21	16	85	0.5	26	212	1.0	3	18	1.55	4	20	2	2	30	1	1	59.0	5	8	146	0.190	0.010	0.540	0.120	0.010	0.030	0	0.0	0
S9714552	336676	TAG	32	12	128	0.6	6	302	1.0	6	34	1.53	3	36	2	7	29	1	1	87.0	9	9	129	0.450	0.010	0.700	0.300	0.010	0.030	5	10.0	2366
S9714553	336677	TAG	18	17	62	1.1	40	158	1.0	4	28	1.66	3	29	2	10	26	1	1	47.0	3	9	191	0.200	0.010	0.610	0.070	0.010	0.010	0	0.0	0
S9714554	336678	TAG	24	13	29	6.1	1	230	1.0	1	6	0.45	4	7	2	6	10	1	1	51.0	4	4	26	0.050	0.010	0.280	0.220	0.040	0.030	0	0.0	0
S9714555	336679	TAG	131	5	150	1.6	17	586	7.0	5	50	0.69	7	5	2	17	10	1	1	170.0	28	4	844	0.260	0.010	0.410	2.300	0.030	0.040	-1	-1.0	-1
S9714556	336680	TAG	27	5	80	0.4	6	718	3.0	11	11	0.88	10	5	2	14	12	1	1	134.0	3	3	2955	0.260	0.010	0.350	1.860	0.030	0.040	0	0.0	0
S9714557	336681	TAG	36	2	771	0.2	1	668	4.0	13	191	0.60	14	8	2	2	4	1	1	129.0	2	2	17911	0.260	0.010	0.270	3.430	0.030	0.030	5	4.0	802
S9714558	336682	TAG	45	2	346	0.2	1	613	2.0	8	117	2.76	37	5	2	2	5	1	1	113.0	2	2	6133	0.110	0.010	0.310	2.460	0.030	0.010	5	8.0	1117
S9714559	336683	TAG	88	2	277	0.2	7	605	9.0	6	76	0.64	14	7	2	11	11	1	1	112.0	7	3	677	0.150	0.010	0.570	2.100	0.040	0.010	5	6.0	837
S9714560	336684	TAG	9	2	143	0.2	1	85	3.0	1	53	0.48	13	2	2	16	6	1	1	23.0	1	1	24	0.050	0.010	0.200	0.630	0.030	0.010	5	10.0	459
S9714561	336685	TAG	19	2	373	0.2	1	98	10.0	1	119	0.56	30	2	2	22	14	1	1	35.0	1	1	33	0.070	0.010	0.160	1.320	0.030	0.010	5	2.6	186
S9714562	336686	TAG	45	6	309	1.1	24	249	12.0	3	164	0.68	17	10	2	33	38	1	1	35.0	2	3	497	0.120	0.010	0.350	0.570	0.040	0.010	5	10.0	1500
S9714563	336687	TAG	54	5	208	2.2	4	399	9.0	12	124	0.77	21	12	2	20	27	1	1	34.0	8	4	1883	0.090	0.010	0.390	0.530	0.030	0.010	5	10.0	1727
S9714564	336688	TAG	77	20	265	3.3	26	258	2.0	4	64	2.02	14	23	2	16	51	1	1	94.0	13	12	129	0.250	0.010	0.670	0.280	0.010	0.050	5	10.0	2665
S9714565	336689	TAG	42	12	147	1.2	15	327	1.0	6	32	1.90	9	17	2	16	38	1	1	56.0	8	15	279	0.320	0.010	0.650	0.250	0.010	0.030	5	10.0	2640
S9714566	336690	TAG	6	19	59	0.7	25	329	1.0	1	6	1.75	5	13	2	16	44	1	1	49.0	2	10	56	0.050	0.010	0.800	0.030	0.010	0.020	0	0.0	0
S9714567	336691	TAG	16	22	82	0.4	64	251	1.0	4	17	2.20	6	22	2	8	45	1	1	66.0	4	14	184	0.190	0.010	0.840	0.030	0.010	0.020	0	0.0	0
S9714568	336692	TAG	27	15	67	1.1	19	309	1.0	1	12	0.78	5	11	2	10	28	1	1	72.0	6	11	40	0.080	0.010	0.490	0.250	0.030	0.030	0	0.0	0
S9714569	336693	TAG	16	10	47	0.7	21	100	1.0	3	15	1.41	4	18	2	8	28	1	1	39.0	4	9	85	0.210	0.010	0.470	0.180	0.010	0.020	0	0.0	0
S9714570	336694	TAG	64	17	175	0.6	58	212	1.0	4	32	2.84	6	19	2	7	47	1	1	53.0	5	15	137	0.160	0.010	0.890	0.050	0.010	0.030	5	10.0	2478
S9714571	336695	TAG	48	13	107	1.0	24	378	1.0	10	44	2.47	4	49	2	5	42	1	1	45.0	10	10	376	0.680	0.010	1.040	0.600	0.010	0.030	0	0.0	0
S9714572	336696	TAG	99	2	57	0.7	13	580	3.0	3	33	0.57	1	8	2	2	5	1	1	154.0	29	11	303	0.400	0.010	0.440	2.610	0.030	0.040	5	5.0	1016
S9714573	336697	TAG	45	9	73	0.2	24	338	1.0	13	34	2.56	3	51	2	7	36	1	1	31.0	11	13	447	0.770	0.010	1.220	0.580	0.020	0.060	0	0.0	0
S9714574	336698	TAG	58	12	158	0.2	21	1249	1.0	11	68	2.31	5	32	2	7	28	1	1	43.0	15	14	364	0.600	0.010	0.790	0.360	0.010	0.070	5	10.0	4296
S9714575	336699	TAG	41	9	73	1.1	12	416	3.0	14	47	1.28	6	20	2	9	14	1	1	65.0	9	6	3640	0.120	0.010	0.570	0.780	0.030	0.010	0	0.0	0
S9714576	336700	TAG	70	6	358	0.2	15	260	5.0	3	48	1.24	2	17	2	2	9	1	1	118.0	6	4	551	0.420	0.010	0.650	2.770	0.020	0.010	5	5.0	612
S9714577	336701	TAG	53	2	167	0.2	10	695	9.0	6	49	0.69	8	10	2	7	7	1	1	89.0	8	5	5976	0.250	0.010	0.430	1.560	0.030	0.030	5	5.0	1053
S9714578	336702	TAG	45	8	130	0.2	21	503	1.0	9	42	2.01	5	27	2	10	23	1	1	34.0	12	14	421	0.410	0.010	0.640	0.290	0.010	0.030	5	10.0	2559
S9714579	336703	TAG	19	2	35	0.2	9	298	1.0	2	18	0.28	3	2	2	7	5	1	1	49.0	2	2	268	0.070	0.010	0.290	0.770	0.050	0.010	0	0.0	0
S9714580	336704	TAG	118	18	239	3.1	20	959	3.0	16	107	3.26	14	61	2	9	40	1	1	95.0	39	32	2896	0.740	0.010	1.730	1.310	0.030	0.090	5	4.5	1864
S9714581	336705	TAG	26	2	100	1.0	20	138	4.0	9	18	0.73	11	5	2	9	12	1	1	28.0	3	2	1557	0.070	0.010	0.220	0.420	0.010	0.010	0	0.0	0
S9714582	336706	TAG	101	4	1202	1.2	20	795	75.0	16	120	1.36	39	12	2	9	12	1	1	133.0	19	5	17117	0.340	0.010	0.690	2.240	0.030	0.010	5	4.5	1328
S9714583	336707	TAG	12	17	94	0.9	35	242	1.0	3	14	1.89	7	17	2	9	33	1	1	35.0	3	7	292	0.160	0.010	0.660	0.080	0.010	0.030	0	0.0	0
S9714584	336708	TAG	73	15	110	1.7	15	706	1.0	8	31	1.44	4	18	2	5	29	1	1	109.0	12	7	296	0.250	0.010	0.590	0.550	0.030	0.030	5	10.0	3339
S9714585	336709	TAG	42	8	117	0.8	37	417	2.0	10	43	2.29	7	13	2	2	10	1	1	37.0	17	26	345	0.240	0.010	0.770	0.500	0.020	0.040	0	0.0	0
S9714587	336711	TAG	46	2	200	0.2	4	221	6.0	1	30	0.13	8	2	2	11	3	1	1	124.0	3	2	331	0.190	0.010	0.130	2.800	0.020	0.020	5	5.0	409
S9714588	336712	TAG	27	2	79	0.2	7	182	1.0	1	18	0.51	5	2	2	9	1	1	1	129.0	2	2	26	0.070	0.010	0.390	2.640	0.030	0.010	0	0.0	0

S9714589	336713	TAG	16	2	96	0.2	20	148	2.0	4	12	2.41	2	2	2	7	1	1	1	158.0	1	2	1185	0.380	0.010	0.110	4.530	0.030	0.010	0	0.0	0
S9714590	336714	TAG	22	2	74	0.2	2	105	1.0	3	11	0.58	1	4	2	7	4	1	1	115.0	2	3	512	0.370	0.010	0.310	3.240	0.030	0.020	0	0.0	0
S9714591	336715	TAG	46	11	128	0.2	26	117	1.0	10	30	2.96	2	15	2	10	20	1	1	28.0	11	6	286	0.520	0.010	0.890	0.520	0.010	0.020	5	10.0	2120
S9714592	336716	TAG	49	4	113	0.2	11	670	6.0	12	59	0.56	28	2	2	11	11	1	1	98.0	4	3	15324	0.090	0.010	0.290	1.560	0.030	0.030	0	0.0	0
S9714593	336717	TAG	9	2	23	0.2	1	167	1.0	1	11	0.38	1	2	2	2	1	1	1	32.0	1	1	45	0.010	0.010	0.210	0.480	0.030	0.010	0	0.0	0
S9714594	336718	TAG	11	2	680	0.2	29	192	7.0	45	195	3.79	65	2	2	2	15	1	1	33.0	1	2	11280	0.010	0.010	0.490	0.340	0.030	0.010	5	8.0	934
S9714595	336719	TAG	22	2	143	0.2	9	150	1.0	2	36	0.48	1	2	2	9	4	1	1	55.0	2	2	210	0.120	0.010	0.300	1.130	0.040	0.010	5	10.0	756
S9714596	336720	TAG	59	12	141	0.4	16	191	1.0	11	50	2.68	3	26	2	11	22	1	1	40.0	13	11	446	0.430	0.010	0.730	0.550	0.010	0.050	5	10.0	1827
S9714597	336721	TAG	40	2	46	0.2	13	198	1.0	3	26	0.51	3	5	2	7	4	1	1	110.0	3	3	823	0.220	0.010	0.430	2.930	0.040	0.010	0	0.0	0
S9714598	336722	TAG	8	2	26	0.2	1	101	1.0	1	6	0.89	3	2	2	2	1	1	1	48.0	1	1	21	0.030	0.010	0.160	0.740	0.040	0.010	0	0.0	0
S9714599	336723	TAG	32	10	74	0.4	13	382	1.0	6	29	1.40	3	18	2	8	19	1	1	57.0	7	7	174	0.200	0.010	0.570	0.470	0.020	0.030	0	0.0	0
S9714600	336724	TAG	15	2	32	0.2	19	298	1.0	107	9	1.95	21	5	2	5	30	1	1	60.0	2	3	9199	0.070	0.010	0.230	1.060	0.040	0.030	0	0.0	0
S9714601	336725	TAG	61	2	218	0.6	13	910	3.0	1	86	0.64	4	4	2	11	4	1	1	147.0	14	5	686	0.280	0.010	0.520	2.440	0.030	0.010	5	3.0	1298
S9714602	336726	TAG	58	15	153	0.5	37	418	1.0	9	50	1.89	4	20	2	7	20	1	1	53.0	12	8	343	0.300	0.010	0.570	0.600	0.010	0.010	5	10.0	2829
S9714603	336727	TAG	75	15	514	0.9	26	318	3.0	12	215	2.02	4	35	2	8	27	1	1	43.0	19	15	590	0.580	0.010	0.830	0.450	0.020	0.030	5	10.0	2586
S9714604	336728	TAG	17	2	215	0.2	1	250	4.0	7	37	0.48	2	4	2	11	2	1	1	87.0	2	2	4594	0.100	0.010	0.220	1.340	0.040	0.030	-1	-1.0	429
S9714605	336729	TAG	62	2	940	0.2	51	245	5.0	51	244	3.25	9	13	2	13	13	1	1	84.0	5	4	1854	0.260	0.010	0.420	2.280	0.030	0.010	5	4.0	650
S9714606	336730	TAG	35	11	97	0.2	1	292	1.0	10	51	1.98	3	46	2	7	28	1	1	29.0	10	10	316	0.610	0.010	0.840	0.520	0.020	0.040	0	0.0	0
S9714607	336731	TAG	74	12	146	0.5	29	780	1.0	10	85	2.82	4	50	2	12	37	1	1	41.0	17	14	420	0.690	0.010	1.110	0.520	0.020	0.040	5	10.0	2635
S9714608	336732	TAG	82	14	535	1.1	39	339	2.0	8	92	2.50	7	16	2	13	23	1	1	61.0	13	8	289	0.200	0.010	0.490	0.420	0.010	0.030	5	10.0	2456
S9714609	336733	TAG	35	19	444	0.2	55	98	1.0	10	94	3.12	9	24	2	12	25	1	1	37.0	10	4	350	0.110	0.010	0.490	0.230	0.010	0.020	5	7.0	1755
S9714610	336734	TAG	33	2	177	0.2	16	483	3.0	31	56	1.95	56	7	2	2	14	1	1	49.0	4	3	6432	0.050	0.010	0.500	0.590	0.030	0.010	5	7.0	1268
S9714611	336735	TAG	21	17	113	1.1	35	542	1.0	7	23	1.48	7	19	2	9	33	1	1	94.0	5	5	349	0.150	0.010	0.370	0.180	0.010	0.050	0	0.0	0
S9714612	336736	TAG	26	9	69	0.6	28	205	1.0	5	15	1.29	3	16	2	2	20	1	1	65.0	4	4	275	0.160	0.010	0.360	0.610	0.010	0.020	0	0.0	0
S9715008	358003	TAG	22	4	29	0.2	14	129	1.0	2	7	0.27	1	2	2	2	2	1	1	76.0	2	3	930	0.160	0.010	0.400	2.230	0.040	0.010	0	0.0	0
S9715009	358008	TAG	22	2	78	0.2	12	147	1.0	1	11	0.27	1	2	2	2	3	1	1	95.0	3	3	265	0.200	0.010	0.330	2.700	0.040	0.020	0	0.0	0
S9715010	358009	TAG	47	6	53	0.5	51	201	1.0	3	21	1.02	2	8	2	2	9	1	1	82.0	6	5	319	0.250	0.010	0.470	1.610	0.030	0.020	0	0.0	0
S9715011	358010	TAG	158	9	96	2.4	65	505	13.0	21	56	1.17	21	10	2	2	25	1	1	107.0	41	6	3545	0.140	0.010	0.640	1.570	0.040	0.060	5	5.0	1056
S9715012	358011	TAG	59	13	163	0.2	163	337	1.0	7	39	2.82	6	23	2	2	33	1	1	35.0	5	14	220	0.230	0.010	1.130	0.150	0.010	0.040	5	10.0	2430
S9715013	358012	TAG	70	2	88	0.6	15	357	3.0	2	24	0.53	10	2	2	9	2	1	1	97.0	12	4	780	0.310	0.010	0.400	2.360	0.060	0.040	5	10.0	559
S9715014	358013	TAG	51	2	86	0.2	6	318	2.0	1	23	0.45	2	2	2	2	3	1	1	121.0	6	3	246	0.540	0.010	0.380	2.390	0.040	0.040	0	0.0	0
S9715015	358014	TAG	42	10	103	1.3	25	361	2.0	6	32	1.42	4	19	2	2	18	1	1	72.0	7	7	381	0.210	0.010	0.620	0.940	0.010	0.060	0	0.0	0
S9715016	358015	TAG	58	4	127	0.5	10	324	3.0	1	30	0.61	2	2	2	17	3	1	1	188.0	7	3	240	0.180	0.010	0.490	2.580	0.040	0.010	5	8.0	517
S9715017	358016	TAG	46	6	149	0.6	13	335	3.0	9	24	0.75	1	4	2	2	2	1	1	153.0	7	3	2364	0.140	0.010	0.430	1.850	0.040	0.030	5	8.0	551
S9715018	358017	TAG	46	6	310	0.4	5	309	5.0	3	31	0.74	2	4	2	2	4	1	1	133.0	8	3	744	0.230	0.010	0.520	2.270	0.030	0.030	5	5.0	1196
S9715019	358018	TAG	32	5	234	0.6	12	236	6.0	22	22	0.93	9	4	2	2	8	1	1	67.0	5	3	2497	0.080	0.010	0.250	1.040	0.030	0.020	5	7.0	800
S9715020	358019	TAG	6	2	17	0.2	12	33	1.0	1	6	0.37	1	8	2	2	13	1	1	6.0	1	3	42	0.040	0.010	0.170	0.080	0.040	0.020	5	7.0	1069
S9715021	358020	TAG	24	8	148	0.4	126	481	1.0	16	268	1.25	1	88	2	2	18	1	1	108.0	3	4	359	1.220	0.010	0.740	1.860	0.040	0.050	5	10.0	1655
S9715022	358021	TAG	19	7	134	0.2	110	397	2.0	12	347	1.18	2	73	2	2	15	1	1	78.0	3	4	2812	1.120	0.010	0.700	1.370	0.040	0.030	5	10.0	1460
S9715023	358022	TAG	31	7	95	0.5	36	369	1.0	12	160	1.43	1	73	2	2	21	1	1	72.0	5	5	933	1.180	0.010	0.770	1.390	0.030	0.050	0	0.0	0
S9715024	358023	TAG	29	7	80	0.2	59	455	1.0	9	124	1.36	2	37	2	2	19	1	1	68.0	4	4	1353	0.660	0.010	0.670	1.430	0.010	0.030	0	0.0	0
S9715025	358024	TAG	41	10	125	0.5	134	403	1.0	27	237	2.05	2	148	2	2	27	1	1	64.0	8	6	908	0.980	0.010	0.820	1.200	0.010	0.070	5	10.0	1654
S9715026	358025	TAG	7	6	51	0.2	19	105	1.0	3	11	1.14	1	16	2	2	21	1	1	7.0	2	12	97	0.220	0.010	0.530	0.060	0.010	0.030	0	0.0	0
S9715027	358026	TAG	26	17	143	0.8	5	272	1.0	5	21	1.76	5	11	2	2	17	1	1	24.0	12	18	507	0.100	0.010	0.410	0.240	0.010	0.060	5	10.0	3257
S9715028	358027	TAG	20	11	180	0.2	15	248	3.0	5	16	0.94	7	7	2	2	13	1	1	43.0	4	4	978	0.090	0.010	0.350	0.600	0.010	0.030	5	10.0	1744
S9715029	358028	TAG	33	6	96	0.9	45	240	1.0	4	14	1.05	3	6	2	2	11	1	1	32.0	4	2	482	0.080	0.010	0.400	0.380	0.020	0.020	0	0.0	0
S9715030	358029	TAG	41	6	58	1.0	11	206	4.0	4	12	0.74	5	4	2	2	8	1	1	44.0	6	2	113	0.040	0.010	0.270	0.430	0.040	0.020	0	0.0	0
S9715031	358030	TAG	41	9	56	0.6	3	196	2.0	1	11	0.46	5	4	2	2	2	1	1	48.0	4	1	217	0.030	0.010	0.220	0.520	0.030	0.010	0	0.0	0
S9715032	358031	TAG	26	4	89	0.2	1	290	5.0	6	11	0.58	10	2	2	2	4	1	1	72.0	4	2	490	0.060	0.010	0.170	0.810	0.030	0.050	0	0.0	0
S9715033	358032	TAG	41	4	136	0.2	6	311	4.0	10	76	0.46	1	13	2	2	4	1	1	107.0	3	2	678	0.280	0.010	0.310	1.800	0.040	0.050	5	10.0	691
S9715034	358033	TAG	51	6	148	0.2	80	676	4.0	92	121	4.05	17	55	2	2	20	1	1	93.0	5	4	6749	0.350	0.010	0.560	1.330	0.030	0.030	5	10.0	1723
S9715035	358034	TAG	49	8	101	0.6	24	306	1.0	8	114	1.57	2	49	2	2	18	1	1	77.0	6	5	429	0.880	0.010	0.870	1.610	0.020	0.080	0	0.0	0
S9715036	358035	TAG	69	10	167	0.8	15	422	5.0	6	44	1.37	3	11	2	2	14	1	1	114.0	8	4	667	0.260	0.010	0.380	2.210	0.030	0.050	5	10.0	1157
S9715037	358036	TAG	47	14	167	0.6	24	271	5.0	8	34	1.37	2	20	2	2	23	1	1	84.0	7	4	628	0.210	0.010	0.390	1.300	0.030	0.070	5	10.0	1518
S9715038	358037	TAG	18	20	76	0.2	48	266	2.0	31	10	1.40	32	9	2	2	33	1	1	42.0	3	2	5022	0.080	0.010	0.250	0.690	0.040	0.040	0	0.0	0
S9715039	358038	TAG	67	19	133	1.3	52	326	2.0	7	25	1.70	8	20	2	7	28	1	1	55.0	9	7	935	0.240	0.010	0.620	0.470	0.010	0.040	5	10.0	2747
S9715040	358039	TAG	35	5	115	0.2	18	306	3.0	1	21	0.37	6	2	2	2	3	1	1	122.0	4	2	392	0.280	0.010	0.240	1.920	0.030	0.020	0	0.0	0
S9715041	358040	TAG	27	11	135	0.2	108	141	1.0	4	25	2.08	9	16	2	2	24	1	1	32.0	3	7	148	0.130	0.010	0.500	0.170	0.010	0.020	5	10.0	2564
S9715042	358041	TAG	43	18	179	2.1	107	147	1.0	7	37	3.40	8	23	2	2	45	1	1	54.0	6	9	236	0.210	0.010	0.870	0.240	0.010	0.030	5	10.0	2680
S9715043	358042	TAG	138	4	124	2.6	11	772	6.0	10	39	0.74	4	6	2	2	3	1	1	97.0	31	6	962	0.150	0.010	0.450	1.180	0.030	0.040	5	8.0	1388
S9715044	358043	TAG	21	2	20	0.5	43	192	1.0	2	9	0.45	1	2	2	2	4	1	1	49.0	3	1	127	0.040	0.010	0.260	0.600	0.010	0.010	0	0.0	0
S9715045	358044	TAG	38	2	47	0.8	11	161	1.0	1	16	0.43	1	2	2	2	7	1	1	88.0	4	2	126	0.150	0.010	0.320	5.110	0.030	0.030	0	0.0	0

S9715046	358045	TAG	2	2	9	0.2	11	15	1.0	1	1	0.08	1	2	2	2	2	1	1	6.0	1	1	5	0.010	0.010	0.080	0.100	0.020	0.010	0	0.0	0
S9715047	358046	TAG	50	4	61	0.5	7	378	3.0	1	16	0.42	4	2	2	2	2	1	1	116.0	9	3	372	0.440	0.010	0.170	2.230	0.050	0.050	0	0.0	0
S9715048	358047	TAG	39	4	54	0.2	3	365	1.0	5	17	0.43	2	4	2	2	3	1	1	101.0	4	2	474	0.120	0.010	0.320	1.370	0.050	0.020	0	0.0	0
S9715049	358048	TAG	28	7	48	0.2	31	287	1.0	4	14	0.84	1	12	2	2	12	1	1	51.0	7	4	336	0.130	0.010	0.660	0.430	0.010	0.020	0	0.0	0
S9715050	358049	TAG	18	10	49	0.2	36	53	1.0	2	10	1.06	2	5	2	2	15	1	1	7.0	1	4	90	0.010	0.010	0.280	0.040	0.030	0.030	0	0.0	0
S9715052	358051	TAG	42	4	104	0.2	30	380	1.0	5	28	0.95	1	20	2	2	11	1	1	160.0	5	3	419	0.490	0.010	0.450	2.200	0.010	0.040	0	0.0	0
S9715053	358052	TAG	38	12	183	0.5	31	710	2.0	10	50	2.06	4	24	2	2	22	1	1	95.0	8	5	3132	0.360	0.010	0.640	1.220	0.030	0.040	5	10.0	2349
S9715054	358053	TAG	46	18	226	0.2	68	448	3.0	21	87	3.01	4	59	2	2	30	1	1	66.0	9	6	2588	0.450	0.010	0.740	0.890	0.030	0.050	5	10.0	2457
S9715055	358054	TAG	22	2	156	0.5	3	416	1.0	2	40	0.31	1	8	2	2	4	1	1	107.0	2	4	264	0.220	0.010	0.390	9.999	0.010	0.010	5	10.0	863
S9715056	358055	TAG	11	2	20	0.7	2	290	1.0	1	7	0.19	1	4	2	2	2	1	1	66.0	1	3	66	0.070	0.010	0.330	3.840	0.050	0.010	0	0.0	0
S9715057	358056	TAG	23	2	59	0.2	5	216	1.0	1	13	0.31	1	2	2	2	2	1	1	130.0	2	2	56	0.190	0.010	0.170	2.230	0.030	0.020	0	0.0	0
S9715058	358057	TAG	50	8	108	0.4	37	210	1.0	6	35	1.57	1	15	2	2	13	1	1	76.0	7	5	345	0.410	0.010	0.630	2.210	0.010	0.040	0	0.0	0
S9715059	358058	TAG	25	4	86	0.2	14	212	1.0	3	20	0.56	2	2	2	2	4	1	1	87.0	3	3	1388	0.210	0.010	0.410	1.860	0.040	0.020	0	0.0	0
S9715060	358059	TAG	50	2	80	0.2	20	288	1.0	1	33	0.47	1	2	2	2	3	1	1	97.0	7	3	717	0.200	0.010	0.480	2.270	0.010	0.010	0	0.0	0
S9715061	358060	TAG	38	4	390	0.2	9	350	15.0	13	31	0.63	24	2	2	2	3	1	1	106.0	4	2	4040	0.080	0.010	0.240	1.440	0.040	0.040	5	3.0	559
S9715062	358061	TAG	27	4	74	0.8	12	217	1.0	4	13	0.81	2	9	2	2	9	1	1	69.0	4	3	630	0.130	0.010	0.350	1.030	0.030	0.020	0	0.0	0
S9715063	358062	TAG	56	10	158	0.5	31	409	2.0	6	30	1.14	8	13	2	6	12	1	1	95.0	11	5	498	0.160	0.010	0.570	1.160	0.030	0.030	5	10.0	1826
S9715064	358063	TAG	54	9	180	0.2	23	401	4.0	8	36	1.20	4	24	2	2	15	1	1	119.0	9	5	1161	0.300	0.010	0.590	1.720	0.030	0.040	5	10.0	1389
S9715065	358064	TAG	41	2	106	0.4	1	219	3.0	2	25	0.32	1	2	2	2	2	1	1	107.0	4	2	544	0.150	0.010	0.250	1.810	0.040	0.050	0	0.0	0
S9715066	358065	TAG	46	14	178	0.6	23	381	1.0	10	64	2.29	3	45	2	2	32	1	1	58.0	10	10	475	0.560	0.010	0.870	1.220	0.010	0.070	5	10.0	2335
S9715067	358066	TAG	51	7	63	0.6	16	292	1.0	5	36	1.43	2	19	2	2	14	1	1	83.0	6	6	251	0.330	0.010	0.590	3.340	0.030	0.050	0	0.0	0
S9715068	358067	TAG	41	6	73	0.4	33	304	1.0	4	34	0.94	4	9	2	2	12	1	1	110.0	7	4	552	0.290	0.010	0.540	1.960	0.010	0.040	0	0.0	0
S9715069	358068	TAG	41	6	63	0.2	32	231	1.0	4	118	0.95	1	7	2	2	7	1	1	110.0	7	5	368	0.370	0.010	0.410	2.280	0.040	0.040	0	0.0	0
S9715070	358069	TAG	22	7	68	0.5	70	234	1.0	7	26	1.43	3	18	2	2	16	1	1	69.0	5	6	1122	0.280	0.010	0.580	1.280	0.040	0.040	0	0.0	0
S9715071	358070	TAG	43	8	116	0.5	30	286	1.0	7	40	1.52	3	15	2	2	13	1	1	84.0	8	6	428	0.310	0.010	0.580	2.100	0.040	0.030	0	0.0	0
S9715072	358071	TAG	45	6	73	0.4	28	238	1.0	4	25	1.50	4	7	2	2	7	1	1	95.0	5	4	462	0.190	0.010	0.400	2.410	0.010	0.010	0	0.0	0
S9715073	358072	TAG	40	4	42	0.2	14	418	1.0	3	29	0.66	1	7	2	2	6	1	1	126.0	5	5	446	0.280	0.010	0.650	3.040	0.030	0.010	0	0.0	0
S9715074	358073	TAG	19	2	57	0.2	7	260	1.0	1	11	0.19	1	2	2	2	2	1	1	119.0	1	3	227	0.270	0.010	0.310	3.510	0.030	0.020	0	0.0	0
S9715075	358074	TAG	28	10	71	0.2	43	270	1.0	5	56	1.32	1	65	2	2	19	1	1	52.0	7	8	86	0.720	0.010	0.720	1.040	0.010	0.030	0	0.0	0
S9715076	358075	TAG	34	8	80	0.2	21	350	1.0	12	36	1.71	5	19	2	2	17	1	1	91.0	8	7	1622	0.330	0.010	0.750	1.680	0.030	0.040	0	0.0	0
S9715077	358076	TAG	41	7	107	0.4	33	292	1.0	5	58	1.16	3	14	2	2	12	1	1	121.0	6	5	424	0.400	0.010	0.510	2.590	0.030	0.060	0	0.0	0
S9715078	358077	TAG	11	2	148	0.2	2	164	1.0	1	9	0.07	1	2	2	2	1	1	1	85.0	1	2	434	0.140	0.010	0.050	4.340	0.030	0.020	5	6.0	290

APPENDIX 3

1997 DIAMOND DRILL HOLE LOGS AND CORE GEOCHEMISTRY DATA

093848

Kudz Ze Kayah

HOLE NO: K97-172 | SECTION: | GRID: | K97-172

PROJECT CODE : KUDZ ZE KAYAH
TENEMENT : TAG
PROSPECT :
GRID :
MAP REFERENCE : NTS 105 G 7
LOCATION : YUKON
HOLE TYPE : NQ

*** COLLAR COORDINATES AND RL ***

NOMINAL	5850.00mN	4950.00mE	0.00RL

Pre-collar depth: Final depth: 349.60

Purpose of hole:

Hole status:

Comments:

*** DRILLING SUMMARY ***

	0.00 349.60
Drill contractor:	
Drill rig:	
Date started:	6/6/97
Date finished:	6/6/97
Logged by:	
Relogged by:	
Sampled by:	

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

*** SURVEY DATA ***

Survey Method: SPERRY SUN

Depth	Azimuth	Inclination
0.00	180.00	-90.00
17.40	303.00	-88.80
78.30	3.00	-83.40
139.30	201.00	-86.00
200.20	210.00	-83.20
270.40	207.00	-81.60
322.20	211.00	-79.90

*** SUMMARY LOG ***

0.00	9.40	OVERBURDEN
9.40	10.90	BI/SER/QTZ/CHL SCHIST
10.90	17.00	FELSIC TUFF, QTZ CRYSTAL
17.00	26.80	FELSIC TUFF, ASH FELSIC TUFF, LAPILLI
26.80	27.30	MAFIC DYKE

*** SIGNIFICANT ASSAYS ***

From	To	Width
22.40	22.50	0.10
42.80	42.90	0.10
52.60	52.70	0.10
54.50	54.60	0.10
61.90	62.00	0.10
70.60	70.70	0.10
72.30	72.40	0.10
76.30	76.40	0.10
79.10	82.30	3.20
83.80	83.90	0.10
85.70	85.80	0.10
92.50	92.60	0.10
97.00	97.10	0.10
108.50	108.60	0.10
127.50	127.60	0.10
139.90	140.00	0.10
151.40	151.50	0.10
162.90	163.00	0.10
171.80	171.90	0.10
183.80	183.90	0.10
197.30	197.40	0.10
207.20	207.30	0.10
209.30	209.40	0.10

Checked and signed: _____ Date: _____

HOLE NO: K97-172 Kudz Ze Kayah

SECTION: K97-172 GRID:

27.30	34.80	FELSIC TUFF, LAPILLI
34.80	50.40	FELSIC TUFF, QTZ CRYSTAL
50.40	50.90	FELSIC TUFF, LAPILLI
50.90	51.30	MAFIC DYKE
51.30	52.00	FELSIC TUFF, LAPILLI
52.00	53.10	MAFIC DYKE
53.10	55.80	FELSIC TUFF, ASH
55.80	67.30	WACKER/ARKOSE BI-RICH SCHIST CC+/-QTZ SCHIST
67.30	71.90	FX FRAGMENTAL
71.90	72.80	MAFIC TUFF, ASH BANDED
72.80	80.60	FX FRAGMENTAL
80.60	80.80	HEAVILY DISS SX IN A
80.80	81.30	ALTERATION-TYPICAL
81.30	85.00	FX FRAGMENTAL
85.00	86.90	MAFIC DYKE
86.90	89.70	FX FRAGMENTAL
89.70	91.10	MAFIC DYKE
91.10	93.00	BI-RICH SCHIST CC+/-QTZ SCHIST
93.00	96.00	FX FRAGMENTAL
96.00	98.10	WACKER/ARKOSE
98.10	112.60	FX FRAGMENTAL
112.60	117.70	FX FRAGMENTAL
117.70	121.70	FX FRAGMENTAL
121.70	121.90	FAULT
121.90	136.00	FX FRAGMENTAL
136.00	136.20	FAULT
136.20	140.70	FX FRAGMENTAL
140.70	140.90	MAFIC DYKE
140.90	159.00	QTZ-SER SCHIST +/-CHL, BI, CO3
159.00	167.50	FZ GRANULAR
167.50	168.20	QTZ-SER-CHL (GRPH) SCHIST
168.20	176.60	FZ RIBBONED
176.60	177.00	FAULT
177.00	177.90	FAULT
177.90	188.10	FZ FRAGMENTAL
188.10	190.40	FAULT
190.40	199.50	FZ RIBBONED
199.50	200.40	FAULT
200.40	202.80	FZ RIBBONED
202.80	203.30	FAULT

From	To	Width
222.30	222.40	0.10
234.20	234.30	0.10
258.70	258.80	0.10
264.20	264.30	0.10
274.40	274.50	0.10
294.90	295.00	0.10
319.00	319.10	0.10
343.30	343.40	0.10

Checked and signed: _____ Date: _____

HOLE NO: K97-172 SECTION: GRID: K97-172

203.30	204.10	FZ RIBBONED
204.10	206.30	FAULT
206.30	208.30	QTZ-SER-CHL (GRAPHITE) SCHIST, RIBBON BANDED
208.30	208.90	ARGILLITE WITH CRYSTALS ?
208.90	210.50	FZ FRAGMENTAL
210.50	229.10	FZ GRANULAR
229.10	239.70	ALTERATION-TYPICAL WEAK
239.70	251.00	ALTERATION-TYPICAL
251.00	251.50	FAULT
251.50	258.30	ALTERATION-TYPICAL
258.30	261.10	ALTERATION-PORPHYROBLASTIC
261.10	267.50	FELSIC PORPHYRY QUARTZ CRYSTAL PHYRIC
267.50	267.90	MAFIC DYKE
267.90	281.60	FELSIC PORPHYRY
281.60	284.10	FX FRAGMENTAL
284.10	289.90	FELSIC PORPHYRY
289.90	291.50	MAFIC DYKE
291.50	294.20	MAFIC DYKE
294.20	309.90	FELSIC PORPHYRY
309.90	310.30	MAFIC DYKE
310.30	310.90	FELSIC PORPHYRY
310.90	311.40	MAFIC DYKE
311.40	313.90	FX FRAGMENTAL
313.90	315.60	FELSIC PORPHYRY
315.60	316.00	MAFIC DYKE
316.00	316.80	FELSIC PORPHYRY
316.80	317.30	MAFIC DYKE
317.30	349.60	FELSIC PORPHYRY
349.60		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
NQ DRILL LOG

K97-172

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
0.00	9.40	Overburden							
9.40	10.90	BI/SER/QTZ/CHL Schist Bi/chl/ser/qtz schist-relatively hard quartzose brown/yellos rock due to biotite and sericite component possibly sediment or altere felsi. Still part of rhyolite package not HW sediment. Planar strong foliation	S	S					
			S	G					
10.90	17.00	Felsic Tuff, Qtz Crystal Blue quartz eye phyric rhyolite ash tuff. Pale yellow grey quartz sericite (carbonate) rock packes with 15-20% 1-3mm(generally <2mm) qrtz eyes plus some white carbonate patches that might be after feldspars typical texture found at top of rhyloite sequence @14.3-14.8m late fracture impregnated for 1/2 cm into tuffs by matted green/brown tourmaline crystals 0-15 deg to c.Axis	S	S		0.50			
17.00	26.80	Felsic Tuff, Ash Felsic Tuff, Lapilli Rhyolite ash tuff w.Minor fine lapilli tuff slightly quartz phyric-pale yellow grey qta sericite locally some biotite rock relatively finr grained but showin 10-30cm change in grain size. With ~10% of interval hostin 5-20% 2-20mm white lensoidal quartz "lapilli". Fine 1-3mm wide attenuated and contorted foliation parallel stringers of quartz and pyrite ~2% pyrhotite in rock, even foliation	S	S		2.00			
26.80	27.30	Mafic Dyke Mafic dyke-carbonate rhomb speckedl ser/chl biotite schist	S	S					
27.30	34.80	Felsic Tuff, Lapilli Rhyolite lapilli tuffs - pale yellow grey dominant quartz sericite rock with 60-70% of interval hostin 5-30% 5-30mm. White quartz lens thought to be deformed lapilli. Fine seams and band fof silica/iron sulphides--dominantly pyrite but som pyrhotite form 3-4% of rock. Foliation consistent except avoce fault 32.6-33.1 FLTZ small fault zone-gouge sheared interval gives way in bottom 0.2m to prominent falut gouge	S	S	1.50	0.50			
34.80	50.40	Felsic Tuff, Qtz Crystal Qtz-eye phyric rhyolite ash tuff. Pale yellow grey quartz sericite (come iron carbonate) rock speckled with 10-20% 0.1-2mm. Ovoid quartz eyes - not as abundant or seen blue as upper interval but generally relatively homogenous rock 15% bonds milky quartz veins with calcite	S	S	0.50				
50.40	50.90	Felsic Tuff, Lapilli Rhyolite lapilli tuffs-similar to 27.3-34.8	S	S					
50.90	51.30	Mafic Dyke Calcite rhomb speckled chlorite-biotite schist green rock speckled with brown biotite aggregates and wisps and 20%	S	S					

Kudz Ze Kayah
NQ DRILL LOG

K97-172

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
51.30	52.00	Felsic Tuff, Lapilli Rhyolite lappilli Tuffs, as before but lower half showing wisps and disseminations of biotite/chlorite	S	G					
52.00	53.10	Mafic Dyke Mafic Dyke -- Carb rhom speckled chlorite schist with biotite speckled aggregates -- metasomatic alteration chl+bi seems to extend into enclosing rhyolites	S	S					
53.10	55.80	Felsic Tuff, Ash Rhyolite ash tuff, mixed lapilli, similar to previous description--upper 70cm near dyke shows some wispy lonsoidal biotite, chlorite mottles - metasomatic alteration?	S	G					
55.80	67.30	Wacker/Arkose Bl-Rich Schist CC+/-Qtz Schist Quartz sericite rock distinctly mottled wo 0.5 to 3cm bi/chl lensoidal mottles. Rock that could be volcanic wacke seiment but tned to think now is meta somatically altered rhyloite ash tuffs due to fluids from Mafic Dyke carbonate fhomb dykes and Bl-Rich Schist CC+/-Qtz Schist biotite -calcite schists- possibly sediment bu maybe lamporphyric dyke/sills. Dominantly yellow grey rock with grey/brown mottles. Brown biotite flakes and aggregates are disseminated throughout and locally increase in abundance perhaps indicating small dykes or fluid pass-ways Distinct bi/cc schist bands occur sporadically throughout unit -either altered calcareous meta-sediments or perhpas lomprophyric dyke/sills -- labelled Bl-Rich Schist CC+/-Qtz Schist but too narrow to show on section thses occur @ 61.6-61.9, 62.5-63.4, 64.9-65.1, 66.7-67.1	G	G					
67.30	71.90	FX Fragmental Quartz sericite (minor biotite) rock with 5-30% quartz "fragments" -quartz sericite rhyolite rock has 5-30% 0.5-30.Cm irregularly bounded to lensoidal silica forms often speckled with cream ankerite. Locally silic forms can be seen to be contorted bands elsewhere they look lapilli-like occasionall fine disseminations of biotite 2-3 % are rock is wisps to attenuated bands 1-5mm thick of dark silica conatining 30% pyrite. Bi-calcite schist Bl-Rich Schist CC+/-Qtz Schist bands occur @ 67.8-68.1, 68.5-68.9	G	S	2.00				
71.90	72.80	Mafic Tuff, Ash Banded Banded mafic ash tuff-chlorite-quartz layers alternate in 1-5mm layers some cream iron carbonate in quartz Mafic tuff? Possibly dyke but strongly compositional layering	S	S					
72.80	80.60	FX Fragmental Quartz sericite rock with quartz fragments as 67.3-71.9	S	S	1.80	0.20			

Kudz Ze Kayah
NQ DRILL LOG

K97-172

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
80.60	80.80	Heavily Diss SX in A 35% Sulphides in altered rock-dominantly pyrhotite but w 1-2 chalcopyrite disseminated in weakly altered quartz sericite schist	S	S					
80.80	81.30	Alteration-Typical Altered rock with 10-20% green bi/chl 10% cream ankerite forming wisps and mottles in Qtz-Ser Schist +/-Chl, Bi, CO3 rock typical ore envelope alteration	S	G					
81.30	85.00	FX Fragmental Quartz-sericite rock with fragmentals as before relatively few coarse fragments	S	S					
85.00	86.90	Mafic Dyke Carbonate rhomb speckled chlorite schist	S	S					
86.90	89.70	FX Fragmental Quartz sericite schist with fragmental texture as before	S	S					
89.70	91.10	Mafic Dyke Chlorite-carbonate schist with quartz-calcite bands + minor quartz veining @ 25 TCA loacl biotite overprinting between 89.7-90.4m	S	S					
91.10	93.00	Bi-Rich Schist CC+/-Qtz Schist Reddish brown biotite (+/- chlorite) rich rock with quartz-calcite interbands (lamprophyre?)	S	S					
93.00	96.00	FX Fragmental Quartz-sericite schist with variable fragmental content/distribution + minor local biotitic patches/bands	S	S					
96.00	98.10	Wacker/Arkose Quartz-sericite rock as per 93.0-96.0 with biotite-chlorite mottling/banding (mottling appears to be metasomatic in origin)	S	G					
98.10	112.60	FX Fragmental Quartz-sericite rock with fragmental texture as before quartz-tourmaline veining (irregular) @104.2-104.5m. S foliation constant @65-75 TCA throughout except between 110.3-112.4m where it varies between 0-65 with two fold closes evident	S	S					
112.60	117.70	FX Fragmental Same rock type as above but zone contains weak discontinuous sphalerite + pyrhotite +/- pyrite stringers/patches	G	G	0.20	0.30			0.50
117.70	121.70	FX Fragmental Quartz - sericite rock as per 98.1-112.6m	S	S					
121.70	121.90	Fault Clay rich fault gougo with <1 cm 0 milled silicic clasts. Upper ct @ 45 TCA; lower at 30 TCA	S	S					
121.90	136.00	FX Fragmental Quartz sericite rock as before with minor pyrite + calcite fracture fillings + po/sp disseminated stringers	S	S	1.00	0.30			0.20
136.00	136.20	Fault Clay rich clastic fault gouge as per 121.7-121.9m	S	S					

Kudz Ze Kayah
NQ DRILL LOG

K97-172

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
136.20	140.70	FX Fragmental Quartz-sericite rock as before possibly chloritized + carbonatized + pyritized locally minor late calcite fracture fillgs	S	S	1.00				
140.70	140.90	Mafic Dyke Chlorite + biotite + carbonate schist	S	S					
140.90	159.00	Qtz-Ser Schist +/-Chl, Bi, CO3 Quartz - sericite rock with fragmental texture which becomes more vague downhole. Minor late pyrite fracture fillings. Ribbony texture towards bottom 156.70-156.80 Fault Minor gouge fault	S	S	1.00				
159.00	167.50	FZ Granular Evenly sheared homogenous granular textures quartz-sericite rock. Sericit is more yellowish-green (coarser-grained) and rock whom is paler and more evenly grey than FX Fragmental unit abooce. Wispy blebs of py/po throughout paralleling foliation and minro late prite fracture fillings	S	G	1.80	0.20			
167.50	168.20	Qtz-Ser-Chl (Grph) Schist Quartz sericite chlorite rock with folded S1 fabric transposed into black chlorite parting (s2 foliation i.e. Within monor Felsic sill fold hinge zone)	G	G					
168.20	176.60	FZ Ribboned Quartz -sericite rock with ghosty grey quartz bands/ pseudo-clasts envelpoed by thin distinctly yellowish green sericite(birghter than in Qtz-Ser Schist +/-Chl, Bi, CO3 units) + ribbon ptygmatically folded dark fine grained pyritic stringers/blecs	G	G	2.00				
176.60	177.00	Fault Narrow zone of fault breccia with minor gouge; strongly fractured core on either side	S	S					
177.00	177.90	Fault As per 176.7-177.0	S	S					
177.90	188.10	FZ Fragmental As above but fragmental textured (in the manner of FX Fragmental rocks) with lensoidal qtz/siliceous fragments or domains separated by thin yte continuous anastomasing yellowish green sericit parting/schistosity planes. Minor f.g. Pyrite disseminated blebs ribbons etc	G	G	1.50				
188.10	190.40	Fault Poorly recovered zone of very broken to rubbly core with zones of fault breccia and/or clay-rich gouge: highly fractured rock between faults	S	S					

Kudz Ze Kayah
NQ DRILL LOG

K97-172

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
190.40	199.50	FZ Ribboned Quartz sericite rock with ribbony texture (particularly w.r.t. Ptygmatically folded pyritic stringers/blebs. As per 168.2-179.6m pyritic stingers serve to distinguish S1 favric which throughout this part of the hole shows high angle to S2; i.e. Evidence for transpositon of S1 into S2 is wide spread	G	G	2.50				
199.50	200.40	Fault Well developed fault breccia with cm scale angulr clasts + minor clayey gouge matrix quartz-tourmaline veind	G	G					
200.40	202.80	FZ Ribboned Quartz-sericite rock as above but med-str. Fractured throughout; thick quartz-veining	G	G	1.00				
202.80	203.30	Fault Comminuted FZ Ribboned rock with sub cm clasts	G	G					
203.30	204.10	FZ Ribboned Quartz-sericite rock as above; strongly fractured; possible minor black chlorite/argillite banding (sub - cm thickness)	G	G	1.50				
204.10	206.30	Fault Poorly recovered zone of broken to rubbly core consisting of quartz-sericite schist. 10cm thick quartz vein @ bottom end of zone	G	S					
206.30	208.30	Qtz-Ser-Chl (Graphite) Schist, Ribbon Banded Quartz-sericite rock with black carbonacoues/graphitic partings + ptyamatically folded, ribbony pyritic stringers. Short zone of very thinly banded siliceous carbonaceous argillite @ 206.3-206.5m	S	S	2.00				
208.30	208.90	argillite with crystals?? Black, very thinly banded/laminated silicous, carbonaceous, argillite w/py disseminated	S	G	1.00				
208.90	210.50	FZ Fragmental Quartz sericite rock with fragmental texture; relict hydrovolcanic breccia texture (quench fragmentation)	G	G	1.00				
210.50	229.10	FZ Granular Granular to locally ribbony textured quartz sericite rock with more homogenous appearance then Qtz-Ser-CO3 Schist zones above. Increasingly uniform downhol minor, scattered, blue quartz eyes, increasing in abundance downhole Ptygmatically folded pyritic stingers/ribbons throughout. Uniform granulr texture + quartz phyric nature suggest that protolith is a coherent facies volcanic rock; i.e. a flow or subvolcanic intrusive	G	G					
229.10	239.70	Alteration-Typical weak Blue-quartz phyric quartz-sericite-biotite-green chlorite rock; weakly carbonatized throughout. Appears to be same QP porphyry as before but now containing brown bi/green chlorite (biotite?)/carbonate	G	G	1.20	0.30			

Kudz Ze Kayah
NQ DRILL LOG

K97-172

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
		alteration as bands + patches. Minor py/po streaks + disseminated. This zone also resembled Sk-type rocks but is alteration rather than different protolith minor quartz tourmaline veining							
239.70	251.00	Alteration-Typical More intensly altered quartz-phyric rock as above with local patches of white albite(?) porphyroblasts which ahve been wholly to partly replaced by green chl/bi and/or carbonate. Minor pyrite porphyroblast & streaks + finer grained pyrite +/- pyrhotite streaks/diss	G	S	1.50	0.50			
251.00	251.50	Fault Fault breccia -- mm to cm scale angular clasts	S	S					
251.50	258.30	Alteration-Typical Bi/chl/ser/carb altered rock as above with +/- 1 cm across white albite (?) porphyroblasts (?) disseminated throughout local zones of black chlorite superimposing other alteration assemblage marginally replacing albite porphyroblasts	S	G	0.50				
258.30	261.10	Alteration-Porphyroblastic More intensely/distinctly porphyroblastic variety of alteration facies with albite prophyroblasts partly to wholly replaced by black chl/green biotite + abundant grey sericite in matrix	G	G					
261.10	267.50	Felsic porphyry quartz crystal phyric Blue quartz eye porphyry with ~30% grey to bluish grey, mm-scale, equant to lensoidal (augened) quartz phenocrysts. Weak bi/chl/alteration near upper contact. Intense grey sericite alteration of matrix; downhole sericitization decreases revealing that matrix to quartz phenocrysts mostly consists of 20-30% feldspar phenocrysts similar in size as quartz (i.e. Mostly <5mm across). Protolith clearly medium grained, crowded QFP. Minor quartz and/or tourmaline veining	S	S					
267.50	267.90	Mafic Dyke Chlorite-biotite schist with minor carbonate streaks and pyrhotite disseminated	S	S		0.50			
267.90	281.60	Felsic Porphyry Blue quartz-eye porphyry with sericitic matrix	S	S					
281.60	284.10	FX Fragmental Fragmental textured quartz-sericite rock with strong quartz veining. Probably relict alteration zone	S	S					
284.10	289.90	Felsic Porphyry Crowded QFP with distinct blue-grey quartz eyes throughout. Up to 60% closely packed phenocrysts locally. Maric is less sericitic than above with common chlorite conten. Rock looks less altered overall than above. Possibly dacitic in composition	S	S					
289.90	291.50	Mafic Dyke Fine grained/aphanitic mafic dyke/sills with minor intraveining Felsic Porphyry	S	S					

Kudz Ze Kayah
NQ DRILL LOG

K97-172

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
291.50	294.20	Mafic Dyke Aphanitic/fine grained mafic dyke/sill (chlorite-biotite-carbonate schist) as above	S	S					
294.20	309.90	Felsic Porphyry Medium grained moderately sericitized blue-grey-quartz-eye QFP as above but more sericitized overall and minor pyrhotite disseminated. + streaks throughout moderate quartz +/- calcite veining between 302.4-306.0m	S	S		0.50			
309.90	310.30	Mafic Dyke Mafic dyke/sill as above with minor interveining Felsic Porphyry	S	S					
310.30	310.90	Felsic Porphyry Medium grained Felsic Porphyry as above but moderately to strongly sericitized discrete sericitic schistosity planes/domains. Unit is weakly-moderately silicified as well (pre-metamorphic alteration); minor thin late quartz veining	S	S	0.10	0.50			
310.90	311.40	Mafic Dyke Mafic dyke/sill as above	S	S					
311.40	313.90	FX Fragmental Fragmental-textured quartz-sericite rock grading in and out of strongly silicified/sericitized FP; FX Fragmental zones clearly represent strain partitioned zones of intensely silicified/sericitized Fp in this case 40 cm wide Mafic Dyke @313.3m Minor thin quartz veining	S	S	0.10				
313.90	315.60	Felsic Porphyry Moderately silicified + sericitized medium to coarse grained QFP	G	S					
315.60	316.00	Mafic Dyke Aphanitic mafic dyke/sill as above (chlorite-biotite-carbonate schist)	S	S					
316.00	316.80	Felsic Porphyry Mod. Strongly sericitized blue-grey-quartz-eye QFO granular rather than schistose texture; Felsic Porphyry rock becomes schistose with increasing sericitiation and fragmental textured with strong/intense silicification. Appear to have drilled through a relict hydrothermal fluid conduit which is centred on FX Fragmental zone @ 311.4-313.9m; alteration is most intense in this zone and wanes on either side of it equally.	S	S					
316.80	317.30	Mafic Dyke Sharp but irregular upper contact; mafic dyke/sill as above	S	S					
317.30	349.60	Felsic Porphyry Medium grained blue-grey-quartz-eye. QFP moderately sheared throughout. Moderately sericitized at top, grading downhole to weakly sericitized rock (i.e. Clearly visible relict feldspar phenocrysts). Unit is weakly silicified from ~348.5 to EOH. Minor 10-40 cm wide zones of more schistose Felsic Porphyry rock due to local green chl/bi alteration zones which abruptly grade in and out of weakly altered	S	S	0.10		0.10		

Kudz Ze Kayah
NQ DRILL LOG

K97-172

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
		Felsic Porphyry rock (i.e. Local Alteration-Typical weak zones @322.0-322.2m, 328.7-328.9m, 325.7-325.8m, 325.9-326.0m). Minor biotite porphyroblastic/speckled mafic dykes/sills @ 342.1-342.3, 347.9-348.1m. Strong late quartz veining @323.0-323.M; cm-scale qtz+cc+/-pyrite veining sporadic and minor throughout. 10cm wide quartz vein with pyrite and one 3mm wide equant grain of chalcopyrite @330.3m; some small calcite-rich veins/fracture fillings contain up to 15% coarse-grained pyrite							

*** END OF HOLE *** 349.60

Kudz Ze Kayah

K97-173

093848

HOLE NO: K97-173 | SECTION: L5250E | GRID:

PROJECT CODE : KUDZ ZE KAYAH
TENEMENT : TAG
PROSPECT :
GRID :
MAP REFERENCE : NTS 105 G 7
LOCATION : YUKON
HOLE TYPE :

*** COLLAR COORDINATES AND RL ***

NOMINAL	5250.00mN	5250.00mE	0.00RL

Pre-collar depth: Final depth: 291.40

Purpose of hole: DRILL IN DROPPED BLOCK EAST OF 124

Hole status:

Comments:

*** DRILLING SUMMARY ***

DDH	0.00 291.40 HQ-BQ
Drill contractor:	DJ DRILLING
Drill rig:	SKID DRILL
Date started:	12/5/97
Date finished:	7/6/97
Logged by:	NPO
Relogged by:	
Sampled by:	

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

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	180.00	-86.00
15.80	158.00	-86.00
21.90	158.00	-86.00
82.90	169.00	-84.40
145.10	174.00	-81.90
206.00	180.00	-79.00

*** SIGNIFICANT ASSAYS ***

From	To	Width
9.00	9.10	0.10
42.80	42.90	0.10
53.60	53.70	0.10
58.00	58.10	0.10
70.30	70.40	0.10
80.80	80.90	0.10
87.20	87.30	0.10
90.40	90.50	0.10
93.80	93.90	0.10
105.30	105.40	0.10
115.70	115.80	0.10
121.20	121.30	0.10
138.00	138.10	0.10
141.60	141.70	0.10
160.80	160.90	0.10
181.60	181.70	0.10
226.70	226.80	0.10
251.40	251.50	0.10
251.90	253.20	1.30
260.60	260.70	0.10
264.20	268.70	4.50
269.50	269.60	0.10
273.50	273.60	0.10

*** SUMMARY LOG ***

0.00	5.50	OVERBURDEN
5.50	8.30	SEDS
8.30	10.40	SERICITE/CHL/CC SCHIST
10.40	12.70	SEDS
12.70	13.10	SERICITE/CHL/CC SCHIST
13.10	13.30	SEDS
13.30	13.40	SERICITE/CHL/CC SCHIST

Checked and signed: _____ Date: _____

HOLE NO: K97-173 SECTION:L5250E GRID:

13.40	26.80	SEDS
26.80	28.10	SERICITE/CHL/CC SCHIST
28.10	29.20	SEDS
29.20	29.50	SERICITE/CHL/CC SCHIST
29.50	30.20	SEDS
30.20	30.50	SERICITE/CHL/CC SCHIST
30.50	37.00	SEDS
37.00	38.00	WACKER/ARKOSE
38.00	38.30	QUARTZ VEIN
38.30	41.50	FAULT
41.50	45.10	FELSIC TUFF, LAPILLI
45.10	45.60	FAULT
45.60	49.20	FELSIC TUFF, LAPILLI
49.20	52.40	FAULT
52.40	53.60	FELSIC TUFF, LAPILLI
53.60	56.40	FELSIC TUFF, CRYSTAL
56.40	58.40	BI/SER/QTZ/CHL SCHIST
58.40	58.90	FELSIC TUFF, CRYSTAL
58.90	60.00	FAULT
60.00	69.20	FELSIC TUFF, CRYSTAL
69.20	73.80	FELSIC TUFF, LAPILLI FELSIC TUFF, CRYSTAL
73.80	78.80	FELSIC TUFF, CRYSTAL
78.80	81.10	FELSIC TUFF, LAPILLI
81.10	85.50	QUARTZ VEIN
85.50	89.00	FELSIC TUFF, LAPILLI
89.00	91.80	FELSIC TUFF, CRYSTAL
91.80	95.20	FELSIC TUFF, LAPILLI
95.20	96.10	FX FRAGMENTAL
96.10	99.30	FELSIC TUFF, CRYSTAL
99.30	99.70	FAULT
99.70	100.60	FELSIC TUFF
100.60	101.30	FAULT
101.30	106.00	FELSIC TUFF
106.00	108.50	FAULT
108.50	111.30	BI/SER/QTZ/CHL SCHIST BI-RICH SCHIST CC+/-QTZ SCHIST
111.30	114.50	FELSIC TUFF, LAPILLI
114.50	116.20	BI-RICH SCHIST CC+/-QTZ SCHIST
116.20	125.20	FX FRAGMENTAL
125.20	128.60	FELSIC TUFF, LAPILLI
128.60	129.50	MAFIC DYKE
129.50	130.90	FAULT

From	To	Width
279.50	288.30	8.80

Checked and signed: _____ Date: _____

130.90	132.10	FELSIC TUFF, LAPILLI
132.10	133.20	BI/CHL/SER SCHIST
133.20	138.60	FELSIC TUFF-GRANULAR FX GRANULAR
138.60	140.10	FELSIC TUFF, LAPILLI FX FRAGMENTAL
140.10	144.00	FX GRANULAR
144.00	145.90	BI-RICH SCHIST CC+/-QTZ SCHIST
145.90	149.20	FX GRANULAR
149.20	151.80	FAULT
151.80	163.50	FX GRANULAR
163.50	164.50	FAULT
164.50	166.90	FX GRANULAR
166.90	195.40	FZ GRANULAR FX GRANULAR
195.40	207.10	FZ FRAGMENTAL
207.10	249.20	FZ GRANULAR
249.20	249.90	QTZ-SER-CHL (GRPH) SCHIST
249.90	251.40	FZ GRANULAR
251.40	253.30	HEAVILY DISS SX IN A ALTERATION-YELLOW SERICITE
253.30	254.30	FAULT
254.30	265.70	ALTERATION-YELLOW SERICITE
265.70	266.00	QUARTZ VEIN
266.00	267.20	HEAVILY DISS SX IN A
267.20	271.20	ALTERATION-YELLOW SERICITE
271.20	271.90	FAULT
271.90	276.90	ALTERATION-YELLOW SERICITE
276.90	280.00	FAULT
280.00	281.00	ALTERATION-YELLOW SERICITE
281.00	283.90	WISPILY LAMINATED SX WIL SIL
283.90	285.80	CHLORITE/CALCITE DYKE
285.80	286.30	WISPILY LAMINATED SX WIL SIL
286.30	286.70	CHLORITE/CALCITE DYKE WISPILY LAMINATED SX WIL SIL

Checked and signed: _____ Date: _____

HOLE NO: K97-173 SECTION: L5250E GRID:

286.70	291.40	CHLORITE/CALCITE SCHIST
291.40		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

K97-173

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	5.50	Overburden							
5.50	8.30	Seds Carbonaceous, dark grey to black argillite/graphite schist. Millimetre scale bands of grey carbonaceous+siliceous argillite and black graphitic schist and white calcite. Also sub-cm to cm scale irregular to ribbony calcite patches. Locally rusty/limonitic after minor Fe-sulphides. Minor isoclinal folds throughout. Moderately broken core to 2.2m; rubbly poor recovery at 2.2-8.2m.		S					
8.30	10.40	Sericite/Chl/CC Schist Ser-chlorite-calcite schist; possibly more tuffaceous sediment/wacke. Light medium grey green with minor finely disseminated biotite visible on parting surfaces and abundant white to rusty-brown Fecarbonate bands (mostly mm scale bands). S1 transposed parallel to S2. Moderately broken core.	S	S					
10.40	12.70	Seds Carbonaceous argillite/graphitic schist, as above. Less weathered but still locally limonitic. Variably siliceous. Abundant white to rusty-brown Fecarbonate bands (mm scale). Partly weathered fine pyrhotite disseminations. S1 mostly parallel to S2; locally S1 is oblique to S2; isoclinal folding is evident. Strongly broken core.	S	S		0.01			
12.70	13.10	Sericite/Chl/CC Schist Ser-chlorite-calcite schist, as above. Less calcite bands present; abundant fine pyrhotite disseminations throughout. Rusty/limonitic fracture surfaces.	S	S		1.00			
13.10	13.30	Seds Strongly broken graphitic+siliceous argillite.	S	S					
13.30	13.40	Sericite/Chl/CC Schist Ser-chlorite-calcite schist, as above. Single elongat5e 0.5x>3 cms Seds clast close to the upper contact; possible rip-up clast suggesting the succession is overturned.	S	S					
13.40	26.80	Seds Slaty black argillite/graphite schist locally very siliceous Ribbony to patchy white calcitic domains. Minor disseminated pyrhotite +/- pyrite. Within fold hinge zone; S1 transposed into mm to cm wide S2 crenulation cleavage; between S2 cleavage lpanes S1 @ acute angle to S2. Rusty fracture surfaces. Strongly broken core 24.90-26.30 Quartzite Grey ribbon to fragmental textured quartzose rock with black graphitic bands. Marker unit 26.30-26.80 Seds Black graphitic argillite as above; locally siliceous	S	S	0.01	0.50			

Kudz Ze Kayah
DRILL LOG

K97-173

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
26.80	28.10	Sericite/Chl/CC Schist Ser-chlorite-calcite schist as above. Strongy broken to rubbly core	S	S					
28.10	29.20	Seds Slaty black argillite/graphitic schist as above , disseminated pyrhotite . Abundant thin calcite bands	S	S					
29.20	29.50	Sericite/Chl/CC Schist Ser-chlorite-calcite schist as above with intervening Seds band	S	S		0.01			
29.50	30.20	Seds As above- ribbony calcite bands; S1 @ acute angle to S2 locally, minor pyrhotite	S	S		0.50			
30.20	30.50	Sericite/Chl/CC Schist As above ribbony calcite bands; common pyrhotite streaks up to 2 cm long Broken core	S	S		1.00			
30.50	37.00	Seds Black argillite/graphitic schist; variably siliceous. Planat to ribbony calcite bands. S1 more comonly parallel to S2; Local zones of isoclinal fold closures. Minor pyrhotite disseminated short zones of Sericite/Chl/CC Schist @ 32.3-32.4m and 36.3-36.4m Strongly broken to rubbly core throughout	S	S		0.50			
37.00	38.00	Wacker/Arkose Med grey green to reddish brown biotite-sericite-chlorite schist mod siliceous and variably calcitic. Mm scale planar to ribbony banding strongly broken to rubbly core throughout. Possible wacke? or altered felsite	S	S					
38.00	38.30	Quartz Vein 30 cm wide late quartz vein	S	S					
38.30	41.50	Fault Brittle fault zone with little recovered core: quartz vein above in ct. With sheared/brecciates quartz-sericite schist cschist. At upper end of fault zone quartz-sericite schist/black graphitic schist contact is still visible. Most of fault zone composed of sheared/crushed black argillite/graphitic schist with qtz/vein clasts @ 38.7m. Above 40.2 m fault zone holy composed of blakc argillite/graphitic schist. Below 40.2m fault zone wholly composed of strongly sheared to brecciated quartz-sericite schist +/- quartz vein clasts with abundant clay-rich gouge material. Downhole fault zone is less intense grading into strongly sheared quartz-sericite schist with minor zones of clasti fault gouge.	S	G					
41.50	45.10	Felsic Tuff, Lapilli Quartz-sericite schist with fragmental/lapilli texture. Lapilli are represented by lensoidal/ellipsoidal domains of quartzose calcitic rock which are separated by well-developed sericitic partings. Equant to elongated 4 to +/- 1cm long commonly augened carbonatized feldspar crystals. This rock is very likely a sheared QFP rather than a volcaniclastic rock. Moderate quartz veining @42.8-43.6m Strongly broken to rubbly core throughout minor clay-rich fault @44.2m	G	G					

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DRILL LOG

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
45.10	45.60	Fault Brittle fault zone as above; clay-rich gouge with finely comminuted Felsic Tuff, Lapilli clasts	G	S					
45.60	49.20	Felsic Tuff, Lapilli Quartz-sericite schist with 1-8mm wide spaced sericitic cleavage planes imparting a planar banded texture to the rock. Augened feldspar + quartz crystals present throughout. S2 foliation gradually increases from 20 TCA near fault zone above to 55 TCA away from fault	G	S					
49.20	52.40	Fault Brittle clay-rich clastic fault zone as above with sharp upper ct @ ~25 TCA Rubbly core of quartz vein material close to upper ct. Wide zone of sheared/ brecciated Felsic Tuff, Lapilli. Second zone of quartz-tourmaline veining @ 51.0-51.8m. Bottom ct. Sharp @ 60 TCA	S	S					
52.40	53.60	Felsic Tuff, Lapilli As above but fragmental texture becomes less apparent downhole as unit grades into Felsic Tuff, Crystal	S	G					
53.60	56.40	Felsic Tuff, Crystal Quartz sericite schist with common sub-cm scale equant to augened grey quartz + white feldspar crystals. More uniform granular-texture rock them aboave. Unit is probably a sheared weakly sericitized +/_ carbinateizes quartz-feldspar phyric flow or sparse QFP no suggestion of sorting/grading/stratification suggesting that unit is not a submarine tuffaceous rock. Minor disseminated pyrhotite	G	G		0.01			
56.40	58.40	BI/SER/QTZ/CHL Schist Biotite sericite quartz +/- chlorite schist; probably overprinting alteration rather than relict meta-sedimentary unit. Intervening zone of Felsic Tuff, Lapilli @ 56.7-57.2m Minor disseminated pyrhotite moderately calcitc	G	G		0.01			
58.40	58.90	Felsic Tuff, Crystal Uniformly sheared & granular rock as above weakly calcitic	S	S					
58.90	60.00	Fault Upper part of zone contains qtz+tour veins @ low angle TCA. Bottom part of fault zone contain clay-rich clastic gouge material	S						
60.00	69.20	Felsic Tuff, Crystal Uniformly sheared & granular textured quartz + sericite schist as above with common mm-scale qtz+feldspar porphyroclasts. Unit becomes chl/bi @~63.3-64.5m quartz-tourmaline veining between 60.8-61.6m mostly @ low angle to TCA 10cm wide mafic dyke/sill pyrhotite bearing chlorite-biotite schist, @65.0-65.1m Felsic Tuff, Crystal unit is again pobably a sheared QFP/QF-phyric flow. Minor pyrhotite disseminated throughout. Weakly calcitic	S	S		0.01			
69.20	73.80	Felsic Tuff, Lapilli Felsic Tuff, Crystal More fragmental textured rock with some composition as Felsic Tuff, Crystal above. Unit becomes more granular textured (i.e. More like Felsic Tuff, Crystal) between ~71.2 to 72.2m textures are entirely gradational indicating that they are more to do with deformation rather than protolith facies variations.	G	G	0.01	0.50			

Kudz Ze Kayah
DRILL LOG

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		Minor pyrhotite + trace pyrite disseminated mod sericitic & calcitic throughout							
73.80	78.80	Felsic Tuff, Crystal As per 60.0-69.2m but slightly more sericitic. Minor pyrhotite + trace pyrite disseminated. Mod.-Strongly broken core @ 77.9-78.8m weakly calcitic	G	G	0.01	0.50			
78.80	81.10	Felsic Tuff, Lapilli Silica flooded, cherty fragmental-textured quartz-sericite rock with visible qtz+feldspar porphyroclasts; probable silicified QFP. Silicification related to late quartz vein (i.e. Vein salvage) Robbly core @ 78.8-79.3m; mode broken core @79.3-81.1m	G	S					
81.10	85.50	Quartz Vein Late quartz vein; upper contact @ 0-10 TCA; sharp but wavy strongly borken to rubbly core throughout. <1-2cm long sulphide blebs - mostly pyrite with lesser pyrhotite + minor galena and trace chalcopyrite Many of these blebs have been weathered to a silicous boxwork of yellowish + greenish oxides/carbonate with remnant sulphide grains	S	S	1.00	0.50	0.01	0.01	
85.50	89.00	Felsic Tuff, Lapilli Silica-flooded quartz-sericite rock as per 78.8-81.1m	S	S					
89.00	91.80	Felsic Tuff, Crystal Sheared granular textured fairly uniform quartz-sericite schist as per 60.0-69.2 with common quartz-feldspar porphyroclasts. Minor shear/fault @ 91.1-91.3m	G	G					
91.80	95.20	Felsic Tuff, Lapilli Silica flooded quartz-sericite rock as per 85.5-89.0	G	G					
95.20	96.10	FX Fragmental Mod-strongly silicified, strongly, sericitized, fragmental textured quartz sericite rock. Minor pyrite streaks & disseminations	G	G	0.01				
96.10	99.30	Felsic Tuff, Crystal Grey uniforly sheared + granular textured quartz-sericite schist as above, with minor lapilli-like lenses of quartz-carbonate and common yet minor quartz-feldspar porphyroblast throughout. More sericitic than most Felsic Tuff, Crystal units above. Finely biotite-porpphyroblastic/speckled throughout. Fine-grained pyrhotite diss/streaks. Weakly to mod. Calcitic	G	S		0.01			
99.30	99.70	Fault Rubbly core throughout with greenish clay-rich fault gouge @ upper contact 60 TCA	S	S					
99.70	100.60	Felsic Tuff As above with few discernable crystal porphytoclast. Calcitic quartzose lapill to band common locally	S	S					

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DRILL LOG

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
100.60	101.30	Fault Clay-rich clastic goug zones @ both high (70) to low (0-20) core angles	S	S					
101.30	106.00	Felsic Tuff Uniformly sheared granular textured quartz-sericite + chloritic schist with common zones of 10-15% mm-sclae biotite + ankerite porphyroblasts disseminated throughout core. Minor disseminated pyrhotite locally. May be aphyric part of phorphyry body -- too uniform in texture for submarine tuff	S	S		0.01			
106.00	108.50	Fault Closely packed-fragmental textured quartz-sericite schist. More silicous rock than above. 0-10% mm-scale biotite porphyroblast. Minor ankerit porphyroblast (also mm-scale)	S	S					
108.50	111.30	BI/SER/QTZ/CHL Schist BI-Rich Schist CC+/-Qtz Schist Biotite-sericite-quartz-chlorite shcist. Probably an alteratin zone rather than a different protolith. Grades in and out of biotite-porphyroblastic Felsic Tuff rock	S	S					
111.30	114.50	Felsic Tuff, Lapilli Greenish grey finely fragmental-textured, quartz-sericite +/- chlorite schist c/ calcitic quartzoe lapillis locally mode-str sericitic with pyrhotite veinlets + disseminations.	G	S		1.00			
114.50	116.20	BI-Rich Schist CC+/-Qtz Schist Dark reddish brown biotite-sericite-schist with qtz+cc+green chl/bi lenses/ribbony veins	S	S					
116.20	125.20	FX Fragmental Fragmental texture quartz-sericite rock more siliceous + sericite (i.i hydrothermally altered rock than above	S	G					
125.20	128.60	Felsic Tuff, Lapilli Darker coloured less siliceous rock than unit above (ct is gradational) Greenish grey , closely packed fragmental textured quartz-ser+/- chlorite +/- biotite schist with abundant calcite quartzoe lapilli throughout	G	S					
128.60	129.50	Mafic Dyke Very fine grained/aphanitic light greyish green chlorite-biotite-sericite schist. Uniform texture. Locally strongly broken core. Minor ribbony qtzz-calcite veins	S	S					
129.50	130.90	Fault Fault breccia with minor clay-rich gouge. Mostly finely clastic crush material	S	S					
130.90	132.10	Felsic Tuff, Lapilli As per 125.2-128.6m	S	S					
132.10	133.20	BI/CHL/SER Schist Biotite-porphyroblastic sericite-quartz-chlorite schist with quartz calcite ribbony veins to lenses. Dark grey-green colour	S	S					
133.20	138.60	Felsic tuff-granular FX Granular Uniformly sheared granular textured quartz-sericite schist moderately sericitized throughout (more than most Felsic Tuff rocks); possibly transitional to FX Granular rock type although is not siliceous enough. Minor (sub-cm) feldspar +/-quartz prophyroclasts/augen throughout, Minor py/po	S	G	0.01	1.00			

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DRILL LOG

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
138.60	140.10	Felsic Tuff, Lapilli FX Fragmental Coarsely white-feldspar porphyroclastic moderately to strong (grey sericitized, weakly to moderately silicified quartz-sericite schist locally is more siliceous and fragmental texture (i.e. FX Fragmental rock)	S	S					
140.10	144.00	FX Granular Uniformly sheared granular-textured strongly (grey) sericitized, quartz- sericite schist with mm0scale qtz+ feldspar prophyroclasts/augen. Probable sheared crystal-poor porphyry/flow unit. Minor streaks and disseminaton of pyrite +/- pyrhotite. Coarses granular texture + more sericitic than Felsic tuff-granular unit above	G	S	0.01	1.00			
144.00	145.90	Bl-Rich Schist CC+/-Qtz Schist Mixed zone of mostly dark reddish brown biotite-sericite schist (Bl-Rich Schist CC+/-Qtz Schist) with minor intervening zones of FX Granular and thin Mafic Dyke @ bottom of zone. Minor disseminated pyrhotite in Md	S	S	0.01				
145.90	149.20	FX Granular As per 140.1-144.0m. Uniformly sheared granular textured rock mod-str sericitic (grey sericite) throughout. Abundant, mm-scale grey to blue-grey commonly augened, quartz porphyroclasts. Feldspar porphyroclasts are less obvious due to alteration, i.e. Present as sericitized +/- carbonatized matrix. Tove consistent with the prevailing system of mapping/logging, the units protolith would probably be regarded as a quartz crystal tuff. However, this rock type is exceedingly uniform in texture and distribution of quartz (+feldspar) porphyroclast to have been a submarine crystal rock tuffaceous rock (i.e. No evidence of grading/sorting/stratification, inclusion of accessory/accidental lithics). The unoformity and crystal bearing nauter of this unit suggest that its protolich is a hydrothermally altered (primarily sericitized/illitized) quartz-phyric flow/quenched porphyry (i.e. Sub-volcanic to volcanic dome rock). The weaker yet uniform development of foliaiton is this rock aslo suggest a coherent-facies (sub-)volcanic rock. Minor disseminated. Po; locally clusters of small streaks	S	G	0.01	0.01			
149.20	151.80	Fault Fault zone consisting of stronly broken to rubbly core with intervening zone of clay-rich clastic (i.e. Finely comminuted) fault gouge	G	G					
151.80	163.50	FX Granular As per 145.9-149.2m with minor disseminated fine grained pyrite + pyrhotite 30 cm wide zone fo Bl-Rich Schist CC+/-Qtz Schist @ 154.0-154.3 followed by a 40 cm wide bull quartz vein @154.3-154.7. Minor shear/fault zones @ 156.0-157.0m, 162.9-163.0m	G	G	0.01	0.01			

Kudz Ze Kayah
DRILL LOG

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
163.50	164.50	Fault As per 149.2-151.8m	G	S					
164.50	166.90	FX Granular As per 145.9-149.2m. Blue grey quartz eyes more common, minor broken zone of core @166.6-166.8m. Minor white qtz+cc ribbony veins/lenses	S	G	0.01	0.01			
166.90	195.40	FZ Granular FX Granular Same protolith as above (i.e.Still quartz-phyric flow/porphyry) but unit is now a lighter grey/yellowish grey, distinctly more sericitic and pyritic rock ; i.e. a more advanced (Qtz-Ser Schist w. CC Bands?) alteration zone, sericite is still grey but has a subtle yellowish tinge to it, in contrat to the dull grey colour of the sericite in zones above. Rock is now a quartz-porphyroclastic, pyrite quartz-sericite schist with minor finegrained pyrite disseminated throughout rock + sub-cm-wide streaks and ribbony veinlets stringer locally. These more pyritic domains are very dark in colour possible pyrite black chlorite assoc. Locally rock is more silicoues and lighter grey in colour suggesting mofe advanced silicification. Unit becomes increasingly biotitic downhole from 176.3m with 1cm long clots (remnant biotite domais?) of reddish brown biotite. Rock acquires a spotted texture which becomes more intense downhole and is transitional with a 60 cm wide zone of BI/SER/QTZ/CHL Schist rock (reddish brown-biotite-sericite-chlorite-quartz schist) @ 179.0-179.6m. ROdck is again biotite speckled/clotted textured @179.6-180.7m as above. Biotite-chlorite speckling locally present @ 187l.7-194.6m These biotitic/textureed zones may be equivalent to Wacker/Arkose zones in other holes, although they definately represent altration rather than a different lithology. Unit becomes overall darker grey in colour with black mottling from 187.7 downwards reflectin increase in relct bi/black chlorite alteraiton (i.e. Appears that sericitic alteration is super imposed onto dark biotitic/chl alteration (note: as in the case in many VMS F/W alteration systems). 40 cm-wide zone of Wacker/Arkose rock @ 194.6-195.0m	S	S	1.00	0.01			
195.40	207.10	FZ Fragmental Locally very siliceous (i.e. Silica-flooded) overall more fragmental-textured quartz sericite rock with abundant yellowish grey sericitic anastomosing partings/domains forming enveloping matrix to lensoidal/ellipsoidal silicous gragments. Common yet minor ribbony pyrite stringer veinlets + streaks/diss/some have trace pyrhotite .The rock is locally granular textured as above suggesting that protolith is still a quartz-phyric flow/prophyry and that intensity/style of alteration is the cause of the different rock textures. This rock represents a zone of moderate to strong phyllic alteration. Minor broken	G	G	2.00	0.01			

Kudz Ze Kayah
DRILL LOG

K97-173

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		zone (fault @ 206.6-207.0)							
207.10	249.20	FZ Granular Granular textured +/- fragmental-textued, pyritic quartz-sericite rock as above. More typical lighter grey colour now. Yellowish grey sericite with minor local zones of waxy yellow sericite. Also local zone of fine (+/- 1mm) equant green biotite porphyroblasts. Fine pyrite +/- pyrhotite disseminations throughout and local zones of finely crystalline pyrite impregnations (locally 10-20% pyrite over 2-6cm of core). Fine dissemiations are more commonly pyrhotite whereas streaks/stringers/impregnations are more commonly pyrite. Moderately silicified/mod-strong sericitized/we. Pyritized (+/-pyrhotite) rock throughout less altered zone reveal quartz-phyric texture with not uncommon blue quartz-eyes. Strongly borken core @ 239.6-242.8m	S	S					
249.20	249.90	Qtz-Ser-Chl (Grph) Schist Dark grey to locally black banded quartz-sericite-blck chlorite schist with 5-10% finely disseminated pyrite as lenses and impregnated bands, unit appear tobe a black chlorite + pyrite alteration zone rather than a different lithology note the transititional contacts and minor intervening Qtz-Ser-CO3 Schist bands	G	G	7.00				
249.90	251.40	FZ Granular Granular textured mod-strong silicous + sericitic, wk-mod. Pyritic (+/- pyrhotite) quartz-porphyroclastic, quartz + sericite + pyrite rock	G	G	4.00	0.50			
251.40	253.30	Heavily Diss SX in A Alteration-Yellow Sericite Transitional zone between Qtz-Ser-CO3 Schist & Alteration-Yellow Sericite (sericite becomes increasingly yelloa in colour downhole) Distinctly Alteration-Yellow Sericite by 252.2m Zones of strongly (10-35%) Fe-sulphide impregnated Heavily Diss SX in A rock @ 251.9-252.1m, 252.2-252.5m, 252.9-253.2m Sulphidic zones also conatin black chlorite. Fe-sulphides consist mostly of fine crystalline pyrite +/- pyrhotite but more strongly impregnated zone @ 252.-252.5m contain 35% sub-cm-scale coarsely crystalline axiolitic Fe-sulphides (marcasite?) porphyroblasts set in a quartz-carbonate(dol) matrix	G	S	10.00	5.00			
253.30	254.30	Fault Upper part of fault zone consists of clay-rich clastic fault gouge whereas bottom part consists of strongly broken to rubbly core (some of which is bull quartz)	S	G					
254.30	265.70	Alteration-Yellow Sericite Quartz-sericite schist with distinctly yellow sericite partings/ domains enveloping separating pale med grey strongly silicous domains. Rock is mor fragmental texture uphole but becomes increasingly granular-textured downhole. Finely disseminated pyrite and minro small pyrite stocks throughout. Strongly diced core between 255.3-256.6m (<1-2 cm thick discs) becomes increasingly pyritic (locally 5%)	S	S	2.00				

Kudz Ze Kayah
DRILL LOG

K97-173

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		towards bottom of zone							
265.70	266.00	Quartz Vein Bull quartz vein with irregular jagged patches up to 3x4 cm in size of rombilized chalcopyrite + pyrhotite mod to strongly broken core throughout	S	S					
266.00	267.20	Heavily Diss SX in A Semi-massive to locally masive sulphides impregnate within very dark gree chl/bi + carbonate (dolomite/ankerite) +/-albite - alterered siliceous +/- sericitic rock. Rock is banded due to alignment /segregation of chl/bi carbonate and sulphide porphyroblasts. Mostly fine to coarse pyrite porphyroblasts with local zones of sphalerite matrix and minor pyrite + chalcopyrite streaks/disseminations	S	S	5.00		0.10		1.00
267.20	271.20	Alteration-Yellow Sericite Quartz-sericite schist as per 254.3-265.7m with distinctively yellow sericite and abundant disseminated pyrite throughout. Strongly broken to rubbly core throughout. Very soft flaky rock due to high sericite content. Has a soapy fell. Poorly recovered zone due to nature of alteration. Bad groude	S	G	2.00				
271.20	271.90	Fault Only 5 cm of core recovered. Very soft finely ground micacous sericite + possibly clay-rich fault gouge. Bad ground	G	G					
271.90	276.90	Alteration-Yellow Sericite Strongly fractured quartz-sericite schist as per 267.2-271.2 Strongly broken to rubbly core throughout. Fine pyrite disseminated throughout Bad ground	G	G	1.00				
276.90	280.00	Fault Very soft, finely ground, flaky fault gouge as per 271.2-271.9m only 35 cm of core recovered. Bad ground	G	G					
280.00	281.00	Alteration-Yellow Sericite Very strongly fractured altered quartz-sericite schist as per 271.9-276.9. Very soft flaky local gougey rock. Bad groung	G	S					
281.00	283.90	Wispily Laminated SX wil SIL Fine-coarsely crystalline massive sulphide zone with sporadic irregular patches of silicous gangue/ bull quartz and/or calcite but possibly also albite) + dak green chl/bi gangue throughout. Approx 70% sulphides and 30% gangue. Mostly euhedral pyrite porphyroblasts with variable sphaleritic matix + mino po/cyp and possibly fine grained magnetite locally. Sulphides are vaguely banded to massive-textured. Irregular seams of vfg brown biotite locally. Chalcopyrite (with pyrhotite +/- sphalerite) concentrated within or along contacts with bull quartz (i.e. Metamorphic sweats)	S	S	60.00	2.00	2.00		6.00

Kudz Ze Kayah
DRILL LOG

K97-173

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
283.90	285.80	Chlorite/Calcite Dyke Medium green + white striped/speckled chlorite-calcite +/- biotite schist with <1-2cm (long-axis) pyrite porphyroblasts. Generally sold core except @ 285.5-285.7 wher core is very strongly broken and falkey (shear zone) Contact with underlying sulphidic rock is sharp but irregular over 10cm @ 285.7-285. 8m	S	S					
285.80	286.30	Wispily Laminated SX wil SIL 50cm wide zone of subtly banded buckshot textured massive (80%) sulphides (modstly pyrite with sphalerite + minor chalcopyrite) with 20% gangue inclusions (calcite, chlorite, biotite, quartz)	S	S	75.00		0.50		5.00
286.30	286.70	Chlorite/Calcite Dyke Wispily Laminated SX wil SIL Mixed zone of pyrite -disseminated chlorite-calcite-biotite schist and Wispily Laminated SX wil SIL sulphide rock. Wispily Laminated SX wil SIL sulphides (pyrite +/- sphalerite) interbanded with Chlorite/Calcite Dyke rock @ 286.4-286.5m and 286.6-286.7m	S	S	20.00				1.00
286.70	291.40	Chlorite/Calcite Schist Uniform chlorite-calcite-biotite schist becoming less foliated/schistose and more massive and coarsely crystalline (relict phaneritic texture?) downhole. Unit is probably the sheared margin of a meta-gabbro intrusions (sill?)	S	S	1.00				

*** END OF HOLE *** 291.40

093848

HOLE NO: K97-174 SECTION: GRID:

PROJECT CODE :KUDZ ZE KAYAH
TENEMENT :TAG
PROSPECT :
GRID :
MAP REFERENCE :NTS 105 G 7
LOCATION :YUKON
HOLE TYPE :NQ

*** COLLAR COORDINATES AND RL ***

NOMINAL	5750.00mN	5200.00mE	0.00RL

Pre-collar depth: Final depth: 377.00

Purpose of hole: TEST DOWN PLUNGE OF ALTERATION

Hole status:

Comments:

*** DRILLING SUMMARY ***

	0.00 377.00 NQ
Drill contractor:	DJ DRILLING LTD.
Drill rig:	
Date started:	19/5/97
Date finished:	24/5/97
Logged by:	NPO
Relogged by:	
Sampled by:	

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

*** SURVEY DATA ***

Survey Method: SPERRY SUN

Depth	Azimuth	Inclination
0.00	180.00	-86.00
23.50	183.00	-85.30
84.40	189.00	-80.60
145.40	189.00	-75.10
206.30	192.00	-72.70
270.40	188.00	-72.20
331.30	197.00	-71.30
377.00	201.00	-71.80

*** SIGNIFICANT ASSAYS ***

From	To	Width
12.90	13.00	0.10
17.30	17.40	0.10
41.20	41.30	0.10
52.00	52.10	0.10
64.90	65.00	0.10
69.50	69.60	0.10
80.40	80.50	0.10
93.80	93.90	0.10
97.10	97.20	0.10
117.80	117.90	0.10
123.00	123.10	0.10
127.40	127.50	0.10
133.50	133.60	0.10
145.10	145.20	0.10
156.70	156.80	0.10
163.50	163.60	0.10
168.60	168.70	0.10
179.70	179.80	0.10
187.40	187.50	0.10
204.30	204.40	0.10
214.20	214.30	0.10
221.20	221.30	0.10
230.30	230.40	0.10

*** SUMMARY LOG ***

0.00	8.20	OVERBURDEN
8.20	16.70	MAFIC TUFF
16.70	17.50	FELSIC TUFF, ASH
17.50	36.40	SEDS
36.40	36.80	QUARTZITE

Checked and signed: _____ Date: _____

HOLE NO: K97-174 SECTION: GRID:

36.80	40.50	SEDS
40.50	43.10	FELSIC TUFF
43.10	58.40	FELSIC PORPHYRY
58.40	59.50	WACKER/ARKOSE
59.50	67.60	FELSIC PORPHYRY
67.60	70.70	FELSIC TUFF, LAPILLI
70.70	79.90	FELSIC PORPHYRY
79.90	81.90	FAULT
81.90	91.70	FELSIC PORPHYRY
91.70	95.30	FX GRANULAR
95.30	99.00	FX FRAGMENTAL
99.00	100.50	CHLORITE/CALCITE/BIOTITE SCHIST
100.50	113.60	FX GRANULAR
113.60	114.30	CHLORITE/CALCITE/BIOTITE SCHIST
114.30	121.00	FX FRAGMENTAL
121.00	124.70	CHLORITE/CALCITE/BIOTITE SCHIST
124.70	131.70	FX GRANULAR
131.70	135.20	CHLORITE/CALCITE/BIOTITE SCHIST
135.20	137.50	FX GRANULAR
137.50	153.00	WACKER/ARKOSE BI-RICH SCHIST CC+/-QTZ SCHIST
153.00	162.80	FZ GRANULAR
162.80	164.10	BI/SER/QTZ/CHL SCHIST
164.10	171.40	FZ FRAGMENTAL
171.40	175.70	FZ GRANULAR
175.70	184.60	ALTERATION-TYPICAL WEAK WACKER/ARKOSE
184.60	188.10	FZ RIBBONED
188.10	191.70	FZ GRANULAR
191.70	211.00	ALTERATION-TYPICAL WEAK WACKER/ARKOSE
211.00	216.50	QTZ-SER-CHL (GRPH) SCHIST
216.50	218.80	FZ GRANULAR
218.80	223.50	QTZ-SER-CHL (GRPH) SCHIST
223.50	236.10	QTZ-SER-CO3 SCHIST
236.10	244.20	ALTERATION-YELLOW SERICITE
244.20	244.90	HEAVILY DISS SX IN A

From	To	Width
240.20	240.30	0.10
244.20	244.90	0.70
246.00	246.10	0.10
247.90	250.40	2.50
255.50	255.60	0.10
264.80	264.90	0.10
295.30	295.40	0.10
312.00	312.10	0.10
330.90	331.00	0.10
341.20	341.30	0.10
349.80	349.90	0.10
356.00	356.10	0.10
364.10	364.20	0.10
370.50	370.60	0.10
375.80	375.90	0.10

Checked and signed: _____ Date: _____

HOLE NO: K97-174 SECTION: GRID:

244.90	247.90	ALTERATION-YELLOW SERICITE
247.90	250.40	HEAVILY DISS SX IN A ALTERATION-YELLOW SERICITE
250.40	252.40	ALTERATION-YELLOW SERICITE
252.40	252.90	FAULT
252.90	259.90	ALTERATION-TYPICAL
259.90	272.40	ALTERATION-YELLOW SERICITE
272.40	277.00	QUARTZ VEIN
277.00	309.30	ALTERATION-TYPICAL WEAK
309.30	318.50	ALTERATION-TYPICAL WEAK
318.50	318.70	HEAVILY DISS SX IN A
318.70	334.80	ALTERATION-TYPICAL WEAK
334.80	335.00	VEIN
335.00	337.20	ALTERATION-TYPICAL WEAK QTZ-SER SCHIST +/- CHL, BI, CO3
337.20	342.00	FELSIC TUFF-GRANULAR QTZ-SER SCHIST +/-CHL, BI, CO3
342.00	344.80	CHLORITE/CALCITE/BIOTITE SCHIST
344.80	352.10	FX FRAGMENTAL
352.10	358.00	ALTERATION-TYPICAL WEAK
358.00	359.70	FX FRAGMENTAL
359.70	364.60	ALTERATION-TYPICAL WEAK
364.60	374.40	ALTERATION - TYPICAL MODERATE
374.40	375.20	ALTERATION-TYPICAL WEAK
375.20	377.00	ALTERATION - TYPICAL MODERATE
377.00		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
NQ DRILL LOG

K97-174

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	8.20	Overburden	S	S					
8.20	16.70	Mafic Tuff Chlorite schist with variable amounts of fine biotite porphyroblastic disseminations. Lensoidal to ribbony quartz-calcite veining common throughout. Locally unit becomes carbonaceous (eg. 14.0-16.4m) and transitional with Seds meta-sedimentary rocks (ie. Black carbonaceous argillites). Weathering extends down to approx. 13m depth. Seds @8.8-9.1m, 9.6-9.8m	S	S					
16.70	17.50	Felsic Tuff, Ash Short zone of more siliceous rock; quartz-sericite schist with minor pyrite	S	S					
17.50	36.40	Seds Dark grey to black with white striped rock. Carbonaceous black argillite to locally graphitic schist with abundant white calcite veinlets/domains minor disseminated pyrhotite except @ 23.4-26.5m have 3% pyrhotite + trace cp (locally 20% pyrhotite + 1% cp over @ 23.8-24.1m). S1 foliation @ low angles to + S2 (ie fold hinge zone)	S	S	0.01	1.00	0.01		
36.40	36.80	Quartzite Minor zone of probable quartzite marker unit. Upper part is carbonaceous and transitional with argillites. Pale grey siliceous rock could also be short Felsic Tuff interval	G	S	0.01				
36.80	40.50	Seds Black argillite/graphitic schist w / minor disseminated pyrhotite as above. S1 mostly parallel with S2; minor parasitic folds @ 38.3-38.8m chlorite schist with minor quartz veining (possibley tuffaceous rock) @36.8-37.4	S	S					
40.50	43.10	Felsic Tuff Mixed zone of quartz-sericite schist (possible felsic-tuff) interlayered with thin Seds bands over top 20 cm of zone. Abundant cross-cutting quartz-calcite veins/sweats. Chlorite-biotite schist (mafic dyke?) @ 42.2-43.1	G	S					
43.10	58.40	Felsic Porphyry Uniformly scheared and granular textured weakly foliated weakly to moderately sericitic, crystal-rich, blue-grey-quartz-phyric felsite/ quartz-sericite-schist. Protolith probably a fine QFP but possibly also a flow unit. Far too uniform in texture & distribution of quartz crystals to be a submarine tuffaceous rock (ie lacks any evidence of subaqueous sedimentation). May correlate with similar rocks labelled Felsic Tuff, Crystal in other holes. This unit probably forms part of an intrusive/extrusive felsic dome. Feldspar phenocrysts have been partly to wholly sericitized +/- carbonatized and therefore are poorly discernable. Biotite porphyroblasts are commonly disseminated through unit and locally are intense. Quartz-calcite veins/domains are sporadic and minor throughout	G	G					

Kudz Ze Kayah
NQ DRILL LOG

K97-174

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
58.40	59.50	Wacker/Arkose Minor zone of sericite - chlorite - biotite shist with quartz - calcite veining. Probably alteration rather than a different protolith	G	G					
59.50	67.60	Felsic Porphyry Same rock as per 43.1-58.4m local zones of strong sercitic +/- biotite alteration @ 62.5-62.8m, 65.1-65.5m	G	G					
67.60	70.70	Felsic Tuff, Lapilli Fragmental textured quartz - sericite schist with siliceous lensoidal "fragments" or "lapillis" supported by a matrix of anastomosing sericite bands. Unit represents a sheared weakly to moderatly silicified + sericitized fine QFP, ie more hydrothermally altered & deformed facies of the same felsic dome rock as Felsic Porphyry units above. Trace disseminated. Pyrite	G	G					
70.70	79.90	Felsic Porphyry Same rock type as above, more coarsely crowded QFP between 70.7 - 72.4m Felsic Tuff, Lapilli @ 73.2-74.0. Uniformly grey weakly foliated QFP @ 74.0-79.9m	G	G					
79.90	81.90	Fault Fragmental-textured quartz - sericite schist as above, abundant quartz - calcite veining/sweats. Local zones of dark green chlorite + disseminated. Pyrhotite alteration. More siliceous + sercitic rock than Felsic Porphyry units.	G	G					
81.90	91.70	Felsic Porphyry Uniformly sheared/foliated crystal-rich rock as above with local zone of Fault @ 88.1-88.7m, 89.4-89.8m. Tourmaline-rich quartz +/- calcite vein with SK/SX xenoliths @ 90.4-90.5m	G	G					
91.70	95.30	FX Granular Granular-textured quartz - sericite rock More siliceous & sericitic + darker grey & biotite in comparison with felsi units above gradational contact suggests a similar protolith however minor ribboning/lensoidal quartz-calcite veins/domains throughout but more common downhole	G	G					
95.30	99.00	FX Fragmental Fragmental-textured quartz - sericite rock. Abundant greyish white quartz - calcite lenses or "clasts" which form ribbony bands locally trace disseminated. Py/po locally chloritic +/- biotite	G	S					
99.00	100.50	Chlorite/Calcite/Biotite Schist Calcite-porphyroblastic chlorite - calcite - biotite schist. Probable mafic dyke	S	S					
100.50	113.60	FX Granular Granular textures, weakly foliated/sheared quartz - sericite - chl/bi schist. Relict fine QFP texture still discernable. Minor yet common quartz - calcite lenses/bands. Minor disseminated po/py more fragmental textures towards bottom of unt.	S	S					

Kudz Ze Kayah
NQ DRILL LOG

K97-174

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
113.60	114.30	Chlorite/Calcite/Biotite Schist Chlorite - calcite - biotite schist. Banded texture. Resembles "F/W shut-down rock" Minor pyrite as disseminated./streaks trace pyrhotite	S	S					
114.30	121.00	FX Fragmental Fragmental textured quartz - sericite - chlorite / biotite schist as above. Trace disseminated. Py/po	S	S					
121.00	124.70	Chlorite/Calcite/Biotite Schist Chlorite - calcite - biotite schist as above. Banded texture with ~1% pyrite disseminated./streaks + trace pyrhotite.	S	S	1.00				
124.70	131.70	FX Granular Granular textured weakly foliated/sheared quartz - sericite - biotite / chlorite schist with trace pyrite / pyrhotite. Biotite prophyroblastic throughout. Transitional to short Wacker/Arkose zone of biotite - sericite - chlorite schist @ 130.8 - 131.0m	S	S					
131.70	135.20	Chlorite/Calcite/Biotite Schist Chlorite - calcite - biotite schist as above. Biotite - speckled to banded texture. Minor faulted tm vein (see original log for weird penmanship)...Compositionally & Texturally variable unit/zone. Minor fault zone @ 135.0-135.2m	S	S					
135.20	137.50	FX Granular Granular-textured quartz - sericite biotite schist. Weakly to moderately foliated rock. Uniform texture & composition. 40 cm-wide bull quartz vein @136.3-136.7m. Unit takes on a striped appearance and more biotitic (dk stripes) composition towards lower gradation contact. Minor disseminated pyrite	S	G	0.10				
137.50	153.00	Wacker/Arkose Bl-Rich Schist CC+/-Qtz Schist Upper 25cm of zone consists of dark brown biotite sericite calcite (+/- chlorite) schist (i.e. Bl-Rich Schist CC+/-Qtz Schist) which is gradational with long zone of distinctively striped/ biotite rock whih is undoubtedly another alteration/metemorphosed facies of the same fine QFP protolith as above. Unit becomes less distinctly striped (& biotitic) downhole. Whereby @159.0m unit grades into FX Granular rock again. Tour veins @5-20 TCA @143.1-143.5m , 150.4-151.2m, minor disseminated pyrite +/- pyrhotite throughout	G	G	0.10	0.10			
153.00	162.80	FZ Granular Pale grey weakly foliated uniformly textures, quartz sericite schist with minor disseminated pyrite more siliceous/sericitic rock than FX Granular units above. Tourmaline veining @157.7m and 159.2m minor fault zone @159.3m	G	S	0.10				
162.80	164.10	Bl/SER/QTZ/CHL Schist Dark reddish brown, biotite rich, biotite sericite schist. Gradation lower contact with underlying FZ Fragmental unit. Clay-rich gougey fault zone @ 163.7-163.8m. Strongly broken core throughout	S	G					

Kudz Ze Kayah
NQ DRILL LOG

K97-174

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
164.10	171.40	FZ Fragmental Med. Grey striped siliceous sericitc quartz sericite (+/- chlorite) schists with minor to abundatn disseminated pyrhotite (up to 4cm wide chloritic bands with 10-20% pyrhotite disseminated). Tourmaline vein @ 15 TCA @165.6-165.9m	G	G					
171.40	175.70	FZ Granular Granular textured uniformly foliated quartz sericite +/- biotite schist with 1-2% pyrite and pyrhotite disseminated + streaks	G	G	0.10	0.10			
175.70	184.60	Alteration-Typical weak Wacker/Arkose Striped/banded quartz (grey) sericite biotite chlorite schist with 1% disseminated pyrite + pyrhotite. Gradationl with units above and below (i.e. Biotite / chlorite locally has distinctive bold medium green colour. Tourmaline vein @ 180.7-181.0m	G	G					
184.60	188.10	FZ Ribboned Ribbony textured variety of quartz sericite chlorite biotite schist with 2% pyrite / pyrhotite disseminated + streaks	G	G	1.00	1.00			
188.10	191.70	FZ Granular Granular textured variety of quartz sericite +/- biotite schist with ~1% pyrite / pyrhotite disseminated	G	G	0.50	0.50			
191.70	211.00	Alteration-Typical weak Wacker/Arkose Grey (sericite) + biotite + chlorite altered variety of same lithologies as above (i.e. Different alteration of same protolith). Striped/speckled appearance. Transtition with short zones of Qtz-Ser-CO3 Schist quartz sericite schist which lacks green biotite / chlorite . 2% py/po streaks and disseminations (locally 10% over a few cm's)	G	G	1.00	1.00			
211.00	216.50	Qtz-Ser-Chl (Grph) Schist Striped quartz sericite carbonate (black) chlorite schist with 2-3% pyrite / pyrhotite streaks & disseminations. Black chlorite partings partly transposed S1 foliation planes + regular sub-cm spaced S2 crenulation cleavage/foliation S1 @ high angle to S2 i.e. Fold high	G	G	1.50	1.50			
216.50	218.80	FZ Granular As per 171.4-175.7m	G	G					
218.80	223.50	Qtz-Ser-Chl (Grph) Schist As per 211.0-216.5m	G	G					
223.50	236.10	Qtz-Ser-CO3 Schist Variablyy textured quartz grey sericite carbonate +/- biotite schist with 2-3% pyrite / pyrhotite streaks and disseminated locally 10% over a few cm's	G	G					
236.10	244.20	Alteration-Yellow Sericite Lighter grey, more siliceous quartz sericite rock with distinctively yellow sericite + minor green biotite / chlorite wisps/bands. 2-3% pyrite / pyrhotite streaks + disseminations + trace sphalerite . Locally significant sulphides with sphalerite i.e. 239.7-239.75: 25% sulphides as probable stringer vein with 10% sphalerite + 15 % pyrite minor parasitic folds present	G	S	7.00	5.00			1.00

Kudz Ze Kayah
NQ DRILL LOG

K97-174

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
244.20	244.90	Heavily Diss SX in A Dark green biotite chlorite carbonate sericite schist (Alteration-Typical) with base + fe-sulphide streaks bands and disseminated aligned along S2 9-10% sulphides in total mostly base metal sulphides. Galena as finely crystalline pointy grains (may also be some sulphosalt with galena)	S	S	1.00	3.00	0.10	1.00	4.00
244.90	247.90	Alteration-Yellow Sericite As above w 1-2% total sulphides as disseminated & minor streaks. Broken core	S	S	1.00	1.00			0.50
247.90	250.40	Heavily Diss SX in A Alteration-Yellow Sericite Mixed zone of mostly dark green Alteration-Typical rock (as above) with buff ankerite prophroclasts locally + intervening zones of Alteration-Yellow Sericite as above + bull quartz carbonate veins. Strongly broken core	S	S	2.00	1.00	0.50	0.50	5.00
250.40	252.40	Alteration-Yellow Sericite Strongly fractured (i.e. Broken core) quartz (yellow) sericite schist with minor disseminated sulphides	S	S	1.00	0.10			0.10
252.40	252.90	Fault Flaky, comminuted fault gouge	S	S					
252.90	259.90	Alteration-Typical Mostly dark green biotite chlorite carbonate sericite schist (Alteration-Typical) with local albite porphyroblasts + minor intervening zones of quartz (yellow) sericite schist (Alteration-Yellow Sericite). Minor disseminated sulphides. Strongly broken to rubbly core throughout. Becomes more siliceous and less chlorite / biotite downhole. Only 5 cm core recovered between 252.2-259.4m followed by 60 cm of very rubbly core	S	G	1.00	0.10			0.10
259.90	272.40	Alteration-Yellow Sericite As above. Competent core from 260.0m 3% disseminated pyrhotite / pyrite very siliceous rock 1-2 mm wide seams of sphalerite with black chlorite @271.7+271.9m	G	S	1.00	2.00			0.50
272.40	277.00	Quartz Vein Zone of strong quartz veining with intervening zones of Alteration-Yellow Sericite / Alteration-Typical weak local patdches of coarse grained pyrite + pyrhotite +/- sphalerite clotted with albite + chlorite / biotite remnant Alteration-Typical. Albite rimming sulphides	S	S	1.00	3.00			0.50
277.00	309.30	Alteration-Typical weak Patchy but locally strong grey sericite + green biotite / chlorite + carbonate altered quartz sericite schist. Competent rock. Striped to speckled appearance. Local fine black biotite porphyroblasts. Abundant streaks impregnations and disseminations of pyrite pyrhotite with possible trace sphalerite. Bi / chlorite bands/clots have distingctively green biotite / chlorite indicative of proximal alteration facies although not pervasively developed. 10-20cm wide bull quartz veins locally	S	G	1.00	1.00			0.10

Kudz Ze Kayah
NQ DRILL LOG

K97-174

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
309.30	318.50	Alteration-Typical weak As above but alteration more pervasive + increasingly sulphide content locally 5% Fe sulphide over 10-30 cm widths. Possible trace sphalerite with Fe-sulphides. Strong band of grey sericite green chl/bi @317.2-317.3m. Crushed/broken core @ 318.3-318.5m	G	S	1.50	1.50			0.10
318.50	318.70	Heavily Diss SX in A ~15cm wide zone of strongly sulphide impregnated siliceous sericite +/- chlorite / biotite rock 40% sulphides in rock	S	G	2.00	35.00			3.00
318.70	334.80	Alteration-Typical weak As above, patchy banded grey sericite + green biotite / chlorite + reddish brown biotite alterted siliceous sericitic rock locally 4-7% Fe-sulphides (with minor sphalerite @ 320.2-320.3m) over 10-30cm widths patches/distinct bands (mottled texture) of greenish chlorite / biotite + quartz often rimmed by brownish biotite set in a lighter cream grey quartz sericite +/- carbonate matrix. Homogenous granular-mottled unit, no S1/S0 preserved	G	S	1.50	1.50			0.10
334.80	335.00	Vein Tourmaline (acicular brownish black mineral) calcite quartz chlorite +/- sericite vein. Sheared/sharp contacts with volcanics	S	S	3.00	2.00			
335.00	337.20	Alteration-Typical weak Qtz-Ser Schist +/-Chl, Bi, CO3 As above, weaker alteration, less sulphide	S	G	1.00	1.00			
337.20	342.00	Felsic tuff-granular Qtz-Ser Schist +/-Chl, Bi, CO3 Relatively ??? quartz sericite (grey-greenish grey) +/- chlorite (minor?) homogenous granular schist with minor trace pyrhotite / pyrite disseminations. Largely contains quartz sericite clasts giving a fragmental appearance. Sheared lowere contact. Minor trace tourmaline (euhedral) locally disseminated	G	S	0.50	0.50			
342.00	344.80	Chlorite/Calcite/Biotite Schist Fine-grained chlorite calcite biotite schist with locally abundatn calcite quartz veinlets and conatining trace-1% fine grianed wispy disseminated pyrhotite . Thin fault at 347.7 speckled appearance	S	S	0.10	1.00			
344.80	352.10	FX Fragmental Quartz sericite (grey-greenish grey) +/- chlorite schist w abundant fragmental/mottled textured defined by quartz +/- sericite clasts up to several cm's. Trace tourmaline disseminated throughout. Minor gouge @ 346.5	S	G	1.00	1.00			
352.10	358.00	Alteration-Typical weak As above: chlorite biotite unit, mottles to fragmental textures. Felsics likely same unit with varying degree of alteration. Minor gouge at 352.8m	G	G	1.00	1.50			
358.00	359.70	FX Fragmental As above	G	G		1.00			

Kudz Ze Kayah
NQ DRILL LOG

K97-174

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
359.70	364.60	Alteration-Typical weak As above but with good fragmental textures. Defined S2, light grey quartz sericite ankerite clasts up to several cms (locally appear to be banded/dissrupted bedding??) Possibly altered Felsic Tuff, Lapilli	G	S	1.00	1.50			
364.60	374.40	Alteration - Typical moderate Fine grained massive homogenous to banded to porphyritic chlorite carbonate quartz +/- biotite schist (possible Chlorite/Calcite/Biotite Schist or Chlorite/Ser/Qtz/Schist of relatively altered felsic?) quartz sericite carbonate porphyroblasts (25% equant <=3mm) from 367.1368.7m Chlorite/Calcite/Biotite Schist?? Very fine grained appearance is reminiscent of chilled margins, however rock appears to be an altered felsic??	S	S					
374.40	375.20	Alteration-Typical weak As above mottled textured altered units	S	S	1.00	2.00			
375.20	377.00	Alteration - Typical moderate Increased greenish chlorite biotite and grey sericite with local ankerite porphyroclasts developed 376.2-376.7m calcite quartz chlorite biotite felsic vein wisps at margin	S	S	1.00	2.00			

*** END OF HOLE *** 377.00

Kudz Ze Kayah K97-175

093848

HOLE NO: K97-175 SECTION: L5350E GRID:

PROJECT CODE : KZK
TENEMENT : TAG
PROSPECT :
GRID :
MAP REFERENCE : NTS 105 G 7
LOCATION :
HOLE TYPE :

*** COLLAR COORDINATES AND RL ***

NOMINAL	5300.00mN	5350.00mE	0.00RL

Pre-collar depth: Final depth: 482.50

Purpose of hole: ON STRIKE OF INTERCEPTS IN 95-124

Hole status:

Comments:

*** DRILLING SUMMARY ***

DDH	0.00 482.50
Drill contractor:	DJ DRILLING
Drill rig:	LF 70 -- FLY DRILL
Date started:	6/6/97
Date finished:	6/6/97
Logged by:	PAM
Relogged by:	
Sampled by:	

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

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	180.00	-86.00
164.60	205.00	-80.30
225.50	200.90	-73.30
396.20	194.50	-66.50
478.50	193.20	-64.00

*** SUMMARY LOG ***

0.00	3.00	OVERBURDEN
3.00	9.70	MAFIC FLOW MAFIC SILL
9.70	17.60	MAFIC TUFF
17.60	20.60	MAFIC FLOW MAFIC SILL
20.60	25.00	MAFIC TUFF
25.00	27.60	MAFIC FLOW MAFIC SILL
27.60	30.80	MAFIC TUFF

*** SIGNIFICANT ASSAYS ***

From	To	Width
12.40	12.50	0.10
20.00	20.10	0.10
36.90	37.00	0.10
89.80	89.90	0.10
131.50	131.60	0.10
143.30	143.40	0.10
149.20	149.30	0.10
172.90	173.00	0.10
183.10	183.20	0.10
196.60	196.70	0.10
206.40	206.50	0.10
216.60	216.70	0.10
223.50	223.60	0.10
231.60	231.70	0.10
242.70	242.80	0.10
247.00	247.10	0.10
256.70	256.80	0.10
267.80	267.90	0.10
281.30	281.40	0.10
289.20	289.30	0.10
291.10	291.20	0.10
298.10	298.20	0.10
310.80	310.90	0.10

Checked and signed: _____ Date: _____

Kudz Ze Kayah

HOLE NO: K97-175 | SECTION: L5350E | GRID: | K97-175

30.80	31.60	ARGILLITE/PHYLLITE MAFIC TUFF WACKER/ARKOSE
31.60	43.10	MAFIC TUFF
43.10	46.60	WACKER/ARKOSE MAFIC TUFF
46.60	46.70	FAULT
46.70	49.40	WACKER/ARKOSE MAFIC TUFF
49.40	51.20	ARGILLITE/PHYLLITE LIMESTONE/MARBLE
51.20	51.80	MAFIC TUFF
51.80	64.20	LIMESTONE/MARBLE ARGILLITE/PHYLLITE
64.20	68.40	FAULT
68.40	80.90	LIMESTONE/MARBLE ARGILLITE/PHYLLITE
80.90	81.90	MAFIC TUFF MAFIC SILL
81.90	87.10	LIMESTONE/MARBLE ARGILLITE/PHYLLITE
87.10	94.30	MAFIC TUFF MAFIC SILL
94.30	106.10	ARGILLITE/PHYLLITE LIMESTONE/MARBLE
106.10	107.90	ARGILLITE/PHYLLITE MAFIC TUFF
107.90	110.10	QUARTZITE ARGILLITE/PHYLLITE
110.10	113.00	ARGILLITE/PHYLLITE MAFIC TUFF
113.00	114.60	QUARTZITE
114.60	115.00	MAFIC SILL MAFIC DYKE
115.00	116.00	ARGILLITE/PHYLLITE WACKER/ARKOSE
116.00	116.70	ARGILLITE/PHYLLITE
116.70	126.30	QUARTZITE ARGILLITE/PHYLLITE
126.30	127.10	QUARTZITE
127.10	129.00	QUARTZITE ARGILLITE/PHYLLITE
129.00	131.10	ARGILLITE/PHYLLITE
131.10	131.60	FELSIC SILL FELSIC TUFF
131.60	132.20	ARGILLITE/PHYLLITE
132.20	132.80	FELSIC SILL FELSIC TUFF
132.80	133.10	ARGILLITE/PHYLLITE
133.10	133.30	FELSIC SILL FELSIC TUFF
133.30	140.10	ARGILLITE/PHYLLITE

From	To	Width
327.00	327.10	0.10
339.10	339.20	0.10
346.70	346.80	0.10
364.00	364.10	0.10
380.30	380.40	0.10
397.10	397.20	0.10
405.60	405.70	0.10
418.70	418.80	0.10
431.20	431.30	0.10
438.40	438.50	0.10
447.20	447.30	0.10
448.60	448.70	0.10
460.70	460.80	0.10
467.40	467.50	0.10
480.00	480.10	0.10

Checked and signed: _____ Date: _____

HOLE NO: K97-175 SECTION: L5350E GRID:

140.10	141.60	FELSIC TUFF
141.60	146.20	FELSIC TUFF, LAPILLI
146.20	147.60	FELSIC TUFF, RIBBONED
147.60	161.40	FELSIC TUFF
161.40	162.10	BI/CHL/SER SCHIST BI/SER/QTZ/CHL SCHIST
162.10	181.60	FX FRAGMENTAL
181.60	185.80	FX QUARTZ PHYRIC
185.80	205.00	FX GRANULAR
205.00	208.30	BIOTITE (CHLORITE)/CALCITE SCHIST
208.30	210.50	FX FRAGMENTAL
210.50	221.80	FX GRANULAR
221.80	226.80	FX FRAGMENTAL
226.80	227.40	FAULT
227.40	231.00	FX GRANULAR
231.00	233.60	CHLORITE/CALCITE/BIOTITE SCHIST
233.60	235.40	CHLORITE/SER/QTZ/SCHIST
235.40	235.90	CHLORITE/CALCITE/BIOTITE SCHIST
235.90	236.50	FX GRANULAR
236.50	236.80	CHLORITE/CALCITE/BIOTITE SCHIST
236.80	237.60	FX GRANULAR
237.60	238.30	CHLORITE/CALCITE/BIOTITE SCHIST
238.30	246.50	FX GRANULAR
246.50	249.00	CHLORITE/CALCITE/BIOTITE SCHIST
249.00	254.50	QTZ-SER SCHIST +/-CHL, BI, CO3
254.50	258:30	FX GRANULAR
258.30	258.90	CHLORITE/CALCITE/BIOTITE SCHIST
258.90	262.20	FX FRAGMENTAL
262.20	265.80	FAULT
265.80	268.20	FX GRANULAR
268.20	286.60	FX FRAGMENTAL
286.60	287.40	CHLORITE/CALCITE/BIOTITE SCHIST
287.40	288.10	FX FRAGMENTAL
288.10	289.00	BI/SER/QTZ/CHL SCHIST

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HOLE NO: K97-175 SECTION:L5350E GRID:

289.00	289.70	ALTERATION - TYPICAL MODERATE
289.70	290.20	FAULT VEIN
290.20	292.50	BI-RICH SCHIST CC+/-QTZ SCHIST
292.50	303.90	FX GRANULAR
303.90	305.60	QTZ-SER SCHIST +/-CHL, BI, CO3 WACKER/ARKOSE
305.60	313.60	FZ GRANULAR
313.60	314.00	QTZ-SER-CHL (GRPH) SCHIST
314.00	334.20	FZ GRANULAR
334.20	336.50	FAULT
336.50	336.70	QTZ-SER-CHL (GRPH) SCHIST
336.70	340.80	FZ GRANULAR
340.80	342.20	QTZ-SER-CHL (GRPH) SCHIST
342.20	343.30	QTZ-SER-CO3 SCHIST WACKER/ARKOSE
343.30	348.40	QTZ-SER-CHL (GRPH) SCHIST
348.40	350.80	FZ GRANULAR
350.80	355.40	FZ FRAGMENTAL
355.40	370.60	FZ GRANULAR
370.60	371.70	FAULT
371.70	388.80	FZ GRANULAR
388.80	389.60	FAULT
389.60	395.00	FZ RIBBONED
395.00	403.50	FZ FRAGMENTAL
403.50	407.20	ALTERATION-TYPICAL WEAK
407.20	411.70	FZ RIBBONED
411.70	416.60	ALTERATION-TYPICAL WEAK
416.60	427.30	FZ GRANULAR
427.30	430.40	FAULT
430.40	432.60	FX QUARTZ PHYRIC
432.60	433.10	FAULT
433.10	446.30	FZ GRANULAR
446.30	448.30	BI/SER/QTZ/CHL SCHIST
448.30	453.50	WACKER/ARKOSE
453.50	454.40	BI/SER/QTZ/CHL SCHIST
454.40	454.90	WACKER/ARKOSE
454.90	456.20	BI/SER/QTZ/CHL SCHIST

Checked and signed: _____ Date: _____

HOLE NO: K97-175 SECTION:L5350E GRID:

456.20	457.70	WACKER/ARKOSE
457.70	461.60	FZ GRANULAR
461.60	462.00	BI/SER/QTZ/CHL SCHIST
462.00	464.50	FZ FRAGMENTAL
464.50	471.80	WACKER/ARKOSE
471.80	481.80	FX GRANULAR
481.80	482.50	FAULT
482.50		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

K97-175

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	3.00	Overburden		S					
3.00	9.70	Mafic Flow Mafic Sill Dark green, fine-grained, massive, homogenous chlorite-calcite schist with 10-20% medium grained biotite porphyroblasts, tr-nil disseminated sulphides and occasional calcite-quartz veinlets. Interval broken and oxidized on fractures to 6.2m.	S	G	0.01	0.01			
9.70	17.60	Mafic Tuff Thin banded (contorted/transposed S0/S1), fine-grained chlorite-calcite schist with local intervals containing 10-20% medium-grained biotite and relatively more abundant calcite-quartz veins (locally folded and disrupted by S2).	G	G	0.01	0.01			
17.60	20.60	Mafic Flow Mafic Sill Massive, granular textured, homogenous unit with biotite porphyroblasts. Possibly amygdaloidal at 19.7m.	G	S	0.01	0.01			
20.60	25.00	Mafic Tuff As above.	S	S	0.01	0.01			
25.00	27.60	Mafic Flow Mafic Sill Finer grained, massive unit wit 2-10% fine to medium-grained biotite porphyroblasts developed locally. Cc-quartz veins are less abundant than overlying mafic tuffs.	S	G	0.01	0.01			
27.60	30.80	Mafic Tuff Fragmented to sheared/banded, chlorite-calcite schist (possibly flow breccia?); biotitic to 29.3m. Several quartz-calcite veins are present, up to 20 cms at 28.8-29.0m, containing up to 5% fine to medium grained py/po. Py also occurs as late fracture fillings.	G	G	0.01	0.01			
30.80	31.60	Argillite/Phyllite Mafic Tuff Wacker/Arkose Thin bedded/banded interval of mixed mafic tuffaceous epiclastics (chl+cc) and dark grey to black, weakly carbonaceous argillite (chl+graphite) and thin bedded felsic tuffaceous wackes/siltstones (quartz-ser+chl-feldspar). Bedding is strongly transposed parallel S2.	G	S	5.00	0.01			
31.60	43.10	Mafic Tuff Thin to medium banded/bedded, chlorite-calcite schists with abundant interbands/beds of light to medium grey carbonate. Banding/bedding defined by varying proportions of calcite-chlorite in tuffs and by carbonate-rich bands (ie. 35.1-35.3m). S0/S1 at shallow angles to ca.	S	G	0.01	1.00			
43.10	46.60	Wacker/Arkose Mafic Tuff Medium grey mixed interval made up predominantly of mafic tuffaceous (chlorite-calcite) siltstone/wacke interbeds and minor dark grey, phyllitic argillaceous seams (chl+graphite). Bedding is strongly transposed; S0/S1 is at shallow angles to ca.	G	S	1.00	2.00			
46.60	46.70	Fault Well developed fault gouge.	S	S					

Kudz Ze Kayah
DRILL LOG

K97-175

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
46.70	49.40	Wacker/Arkose Mafic Tuff As above. Oxidized along fractures.	S	S	1.00	2.00			
49.40	51.20	Argillite/Phyllite Limestone/Marble Dark grey unit comprising dark grey, weakly calcareous phyllitic mudstone/argillite (chl+graphite-calcite) and medium grey, thin bedded/banded, granular calcareous wackes (cc+qtz-ser; limestone?); minor mafic tuffaceous component (chl+cc).	S	S	0.01	0.01			
51.20	51.80	Mafic Tuff Thin to medium banded/bedded, chlorite-calcite schists with abundant interbands/beds of light to medium grey carbonate. Banding/bedding defined by varying proportions of calcite-chlorite in tuffs and by carbonate-rich bands.	S	S	0.01	0.01			
51.80	64.20	Limestone/Marble Argillite/Phyllite As above; calcareous, medium grey wacke/siltstone (limy siltstone/limestone?) predominates with minor dark grey phyllitic component. 53.70-54.50 Fault Broken core with locally developed weak fault gouge. 55.40-55.45 Fault Thin fault gouge. 55.90-56.40 Quartz Vein Several quartz-calcite-chlorite veins. 56.80-57.40 Fault Broken and weakly gouged interval. 59.70-60.00 Fault Broken core with gouged intervals. 61.20-61.25 Fault Several thin gouge zones. 62.60-64.30 Quartz Vein Several quartz-calcite-chlorite veins 2-40 cms wide.	S	S	0.01				
64.20	68.40	Fault Strongly gouged zone with locally abundant quartz-calcite veins.	S	S					
68.40	80.90	Limestone/Marble Argillite/Phyllite As above. Includes several thin chlorite-calcite mafic tuffaceous intervals cut by locally abundant quartz-calcite veins; local minor gouge seams. 76.30-76.70 Fault Broken and gouged zone.	S	S	0.01	0.01			
80.90	81.90	Mafic Tuff Mafic Sill Massive, fine-grained chlorite-calcite schists.	S	G		0.01			
81.90	87.10	Limestone/Marble Argillite/Phyllite As above. 86.50-87.00 Fault Broken interval with weakly gouged zones.	G	S					

Kudz Ze Kayah
DRILL LOG

K97-175

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
87.10	94.30	Mafic Tuff Mafic Sill Thin to medium banded/bedded (highly folded/contorted by S2), medium green chlorite-calcite schists; banding/bedding defined by varying proportions of calcite-chlorite and folded/disrupted/transposed quartz-calcite veins. Po-pyrite occur as blebby disseminations locally remobilized into S2.	S	G	1.00	2.00			
94.30	106.10	Argillite/Phyllite Limestone/Marble Thin bedded (highly folded/contorted by S2), medium to dark grey sequence of mixed dark grey, weakly graphitic argillaceous material, light to medium green grey mafic tuffaceous sediments and tuff and medium grey limy sitstone/limestone. Cut by numerous, variably deformed quartz-calcite vein/veinlets. 102.50-102.70 Fault Thin fault gouge zones developed.	G	G	1.00	1.00			
106.10	107.90	Argillite/Phyllite Mafic Tuff Thin interbedded, dark grey to black, variably siliceous and carbonaceous argillite and interbedded to laminated green mafic tuffaceous sediments.	G	G	2.00	3.00			
107.90	110.10	Quartzite Argillite/Phyllite Thin to medium bedded, light to medium grey quartzite interbedded with SA/MT unit described above. Quartzite often contain bluish quartz crystal fragments and chl+bi groundmass; quartz wacke better term. Beds vary from 2-10 cms in thickness and are generally massive and nongraded. Good fold evident at top of unit.	G	G	0.01	0.01			
110.10	113.00	Argillite/Phyllite Mafic Tuff As above; S0/S1 often oriented parallel to ca. 110.90-110.95 Fault Thin fault gouge.	G	G	2.00	3.00			
113.00	114.60	Quartzite More massive bedded and coarser grained (perhaps normally graded?) with abundant bluish quartz crystal fragments and rare mudstone/argillite chips. 114.10-114.30 Mafic Sill Thin chloritic mafic sill/dyke.	G	S	0.01	0.01			
114.60	115.00	Mafic Sill Mafic Dyke Fine-grained chlorite-calcite schistose sill/dyke.	S	S	0.01	0.01			
115.00	116.00	Argillite/Phyllite Wacker/Arkose Thin bedded (highly folded/contorted by S2), medium to dark grey sequence of mixed dark grey, weakly graphitic argillaceous material interbedded with light to medium grey mafic quartz wackes and minor mafic tuffaceous sediments. Good folding evident.	S	G	0.01	0.01			

Kudz Ze Kayah
DRILL LOG

K97-175

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
116.00	116.70	Argillite/Phyllite Dark grey to black, thin bedded to laminated, variably carbonaceous and siliceous argillite/silty argillite. 116.30-116.70 Quartz Vein Coarse-grained quartz vein.	G	S	2.00	3.00			
116.70	126.30	Quartzite Argillite/Phyllite Thin bedded to laminated, light to medium grey fine-grained, siliceous, non calcareous quartzite/quartz wacke with argillaceous partings interbedded locally with variably carbonaceous black silty argillite. This interval is more laminated than 107.9-110.1m interval. Calcareous siltstone and quartz-calcite veinlets are more common from 119.6-126.3m. Minor mafic tuffaceous intervals are present near the lower contact of this unit. 117.50-117.80 Fault Broken zone with minor fault gouge.	S	G	1.00	2.00			
126.30	127.10	Quartzite Bedded, light to medium grey, fine-grained quartz wacke/quartzite containing abundant argillite chips/fragments towards this units base (normally graded?). Unit not as clean or massive as previous unit.	G	G	2.00	0.01			
127.10	129.00	Quartzite Argillite/Phyllite Thin bedded to laminated, light to medium grey fine-grained, siliceous, non calcareous quartzite/quartz wacke with argillaceous partings interbedded locally with variably carbonaceous black silty argillite.	G	S	1.00	2.00			
129.00	131.10	Argillite/Phyllite Dark grey to black, carbonaceous argillite/silty argillite 130.00-130.60 Fault Fault gouge zone with 15 cm wide mafic dyke.	G	S	1.00	2.00			
131.10	131.60	Felsic sill Felsic Tuff Fine-grained, quartz-sericite-chlorite schist with weakly sheared margins.	S	S					
131.60	132.20	Argillite/Phyllite As above. 131.80-132.20 Fault Fault gouge zone.	S	S	1.00	2.00			
132.20	132.80	Felsic sill Felsic Tuff As above. 132.70-132.90 Fault Broken and gouged zone.	S	S					
132.80	133.10	Argillite/Phyllite As above.	S	S					
133.10	133.30	Felsic sill Felsic Tuff As above, but strongly sheared/gouged.	S	S					

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
133.30	140.10	Argillite/Phyllite As above; weakly calcareous (calcareous silty argillite) interbeds present. 137.90-138.70 Fault Fault gouge; also at 139.6m.	S	S					
140.10	141.60	Felsic Tuff Light to medium green grey, granular, massive quartz-sericite-chlorite schist with grey fine-grained silica and silica-ser+cc clots and disrupted veinlets.	S	G	0.01	1.00			
141.60	146.20	Felsic Tuff, Lapilli As above; non calcareous and non biotitic tuffs with prdominantly well developed fragmental textures (locally ribbon banded).	G	G	0.01	1.00			
146.20	147.60	Felsic Tuff, Ribboned As above; more ribbon banded textures.	G	G	0.01	1.00			
147.60	161.40	Felsic Tuff Light to medium green grey, granular, massive quartz-sericite-chlorite schist with grey fine-grained silica and silica-ser+cc clots and only locally developed ribbon banded textures. 153.40-158.70 Fault Strongly sheared, weakly gouged interval with increased Fecarbonate-sericite alteration. Interval is thinnly banded and locally quartz-feldspar crystal bearing.	G	S	0.01	1.00			
161.40	162.10	Bl/CHL/SER Schist Bl/SER/QTZ/CRL Schist Fine-grained, weakly calcareous biotite-quartz-chlorite-carbonate schist with up to 40%, <1-2.5 mm quartz-carbonate porphyroblasts and diffuse chilled(?) margins (mafic dyke).	S	S	0.01	0.01			
162.10	181.60	FX Fragmental Massive, granular to fragmental textured quartz-sericite--chl+bi schist with locally developed, <1mm carbonate porphyroblasts. Po/py occur as wispy fine-grained disseminations. Increasing carbonate alteration and strong sericitization/chloritization along the margins of galena bearing veins from 167.4-169.0m. Qtz-py+ga-sphalerite veins present also at 169.3-170.7m and at 175.7m. Unit becomes less fragmental textured and more massive, granular and crystal rich (carbonate altered feldspar) from 169.3-181.6m. 163.00-165.40 Quartz Vein 165.20-165.40 Fault Crushed and gouged interval. 169.00-169.10 vein Coarse-grained quartz-clay-chlorite-sericite vein with 2-4% coarse blebby galena. 169.10-169.30 Fault Fault gouge; also at 172.4m.	S	G	1.00	2.00		0.01	0.01
181.60	185.80	FX Quartz Phyric Qtz-sericite-chlorite schist, as above, with abundant quartz crystals.	G	G	0.01	0.01			

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
185.80	205.00	FX Granular Fine-grained, massive, granular, olive green grey quartz-sericite-chl+bi-calcite schist locally containing quartz crystals and quartz-calcite vein/veinlet fragments. Po/py occur as wispy disseminations. Increased sericite-carbonate alteration and quartz-pyrite veining adjacent to faults between 199.4-201.8m. From 203.9-205.0m, more ribbon banded textures predominate. 193.50-195.10 Fault Several thin fault gouge intervals. 200.30-201.10 Fault Broken interval with fault gouge. 202.70-203.70 Fault Broken interval with minor fault gouge.	G	S	0.01	2.00			
205.00	208.30	Biotite (Chlorite)/Calcite Schist Fine-grained, homogenous, massive biotite-cc+chl schist with numerous quartz-calcite veinlets; possible chilled margins are evident. Thin Qtz-Ser Schist +/-Chl, Bi, CO3 intervals are present at 205.5-205.8m and 206.6-206.8m.	S	S	0.01	0.01			
208.30	210.50	FX Fragmental Light to medium green grey, very siliceous, massive to fragmental textured interval with diffuse quartz-sericite fragments in a chlorite-ser+qtz groundmass.	S	G	0.01	0.01			
210.50	221.80	FX Granular Fine-grained, massive, granular, olive green grey quartz-sericite-chl+bi-calcite schist locally containing and quartz-calcite vein/veinlet fragments. Po/py occur as wispy disseminations. 211.30-211.60 Quartz Vein Coarse-grained quartz-chlorite-pyrite(5-10%) vein. 214.30-214.40 Fault Thin fault gouge.	G	G	0.01	0.01			
221.80	226.80	FX Fragmental Light to medium green grey, very siliceous, massive to fragmental textured interval with diffuse quartz-sericite fragments (transposede vein/veinlets?) in a chlorite-sericite-quartz groundmass and patchy carbonate+ser alteration. 225.90-226.80 Fault Interval of broken core.	G	S	0.01	0.01			
226.80	227.40	Fault Broken interval with lost core and fault gouge.	S	S					
227.40	231.00	FX Granular Fine-grained, massive, granular, olive green grey quartz-sericite-chl+bi-calcite schist locally containing and quartz-calcite vein/veinlet fragments. 230.60-231.00 Fault Fault gouge.	S	S	0.01	0.01			

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
231.00	233.60	Chlorite/Calcite/Biotite Schist Very fine-grained to medium-grained, biotite-chlorite-calcite schist (BI-Rich Schist CC+/-Qtz Schist?).	S	S	0.01	0.01			
233.60	235.40	Chlorite/Ser/Qtz/Schist Dark, fine-grained, massive chlorite-biotite-quartz schist with possible silica filled amygdules (mafic dyke).	S	S	0.01	0.01			
235.40	235.90	Chlorite/Calcite/Biotite Schist Very fine-grained to medium-grained, biotite-chlorite-calcite schist (BI-Rich Schist CC+/-Qtz Schist?). Basal contact is cut by a qtz+bi-chlorite vein.	S	S	0.01	0.01			
235.90	236.50	FX Granular Fine-grained, massive, granular, olive green grey quartz-sericite-chl+bi-calcite schist locally containing and quartz-calcite vein/veinlet fragments.	S	S	0.01	0.01			
236.50	236.80	Chlorite/Calcite/Biotite Schist As above.	S	S	0.01	0.01			
236.80	237.60	FX Granular As above.	S	S	0.01	0.01			
237.60	238.30	Chlorite/Calcite/Biotite Schist As above.	S	S	0.01	0.01			
238.30	246.50	FX Granular Fine-grained, massive, granular, olive green grey quartz-sericite-chl+bi-calcite schist with minor fragmental (quartz-calcite clots/vein/veinlets). Few thin fault gouges are present at 240.5m.	S	S	0.01	0.01			
246.50	249.00	Chlorite/Calcite/Biotite Schist As above.	S	S	0.01	0.01			
249.00	254.50	Qtz-Ser Schist +/-Chl, Bi, CO3 Massive, siliceous, homogenous unit (intrusive?) comprising quartz-chlorite-sericite-biotite schist with quartz-green chlorite-biotite clots or replaced feldspar distributed throughout. Almost an Wacker/Arkose texture but not mottled. Only trace sulphides are present. A few thin gouge seams occur at 252.0m.	S	S	0.01	0.01			
254.50	258.30	FX Granular Fine-grained, massive, granular, olive green grey quartz-sericite-chl+bi-calcite schist with more abundant fragmental (quartz-calcite clots/vein/veinlets) textures.	S	S	0.01	0.01			
258.30	258.90	Chlorite/Calcite/Biotite Schist As above; lower contact is a thin fault gouge.	S	S	0.01	0.01			
258.90	262.20	FX Fragmental Light to medium green grey, very siliceous, massive to fragmental textured interval with diffuse quartz-sericite fragments in a chlorite-ser+qtz groundmass. Close to the lower contact the unit becomes increasingly chlorite-biotite rich.	S	S	0.01	0.01			

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
262.20	265.80	Fault Mixed fault gouge zone of folded gouged chlorite-biotite altered rock and cut by quartz-chlorite-biotite veins.	S	S					
265.80	268.20	FX Granular Fine-grained, massive, granular, olive green grey quartz-sericite-chl+bi-calcite schist with more abundant fragmental (quartz-calcite clots/vein/veinlets) textures. Increasingly chlorite-grey sericite altered.	S	S	0.01	0.01			
268.20	286.60	FX Fragmental Medium apple green, chlorite-sericite altered, fragmental textured quartz-sericite-chlorite schist. 273.60-273.90 Fault Fault gouge. 277.30-277.50 Fault 277.90-278.30 Fault 279.30-279.50 Fault 283.10-283.70 Fault 285.70-286.60 Fault Broken core with minor fault gouge.	S	S	0.01	2.00			
286.60	287.40	Chlorite/Calcite/Biotite Schist Very fine-grained to medium-grained, biotite-chlorite-calcite schist.	S	S	0.01	0.01			
287.40	288.10	FX Fragmental As above.	S	S	0.01	2.00			
288.10	289.00	BI/SER/QTZ/CHL Schist Variably quartz-Fecarbonate altered feldspar porphyroblasts, rimmed by biotite, set in a quartz-chlorite-carbonate matrix.	S	S		0.01			
289.00	289.70	Alteration - Typical moderate Strongly Fecarbonate altered, light creamy tan coloured felsic tuff comprising mottled Fecarbonate-sericite-quartz with trace pyrite disseminations.	S	S	0.01				
289.70	290.20	Fault vein Coarse-grained, bladed Fecarbonate-biotite-chlorite in a fine quartz-biotite-chlorite groundmass (healed fault vein?).	S	S	0.01	2.00			
290.20	292.50	BI-Rich Schist CC+/-Qtz Schist Fine-grained biotite-calcite-chlorite schist (mafic dyke) with locally developed Fecarbonate porphyroblasts rimmed with chlorite-biotite. Sulphides occur as fine disseminations. Fecarbonate-quartz veins occur at lower contact.	S	S	0.01	1.00			
292.50	303.90	FX Granular Light to medium grey, fine-grained, granular quartz-grey ser+chl schist with fine Fecarbonate giving a weak tan colouration to the unit. Py+po occur as fine disseminations in quartz-sulphide veins and as fine to blebby disseminations. 292.50-294.90 Fault Crushed sericitic tuff with fault gouge developed at 293.6-294.1m. 296.70-297.50 Fault			2.00	1.00			

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		Broken and gouged zone. 298.30-299.80 Fault Crushed zone with thin gouged intervals. 303.80-303.90 Fault Thin fault gouge at lower contact.							
303.90	305.60	Qtz-Ser Schist +/-Chl, Bi, CO3 Wacker/Arkose Granular quartz-ser+chl schist weakly mottled with chl+bi.	S	G	0.01	0.01			
305.60	313.60	FZ Granular Light to medium green grey, granular textured quartz-light green to grey sericite schist with perhaps a weak Fecarbonate overprint. Sulphides occur as pyrite-pyrhotite-qtz+ser-chlorite disrupted/fragmented to more regular bands/veins and po+py fine wispy disseminations. 308.50-312.20 Fault Broken core with thin fault gouge seams; lost core. 312.60-313.40 Fault Weakly crushed/broken interval; fault gouge at 313.4m.	G	S	2.00	1.00			
313.60	314.00	Qtz-Ser-Chl (Grph) Schist Dark grey interval of mixed chloritic felsic tuff and argillaceous (quartz-chl+graphite) materials with disseminated, fine to medium-grained pyrhotite-pyrite.	S	S	1.00	2.00			
314.00	334.20	FZ Granular Light to medium green grey, granular to locally ribbon banded textured quartz-light green to grey sericite schist with perhaps a weak Fecarbonate overprint. Sulphides occur as pyrite-pyrhotite-qtz+ser-chlorite disrupted/fragmented to more regular bands/veins and po+py fine wispy disseminations. Increased pyrhotite-pyrite content as more abundant quartz-pyrite-pyrhotite veins/bands up to 3.5 cms wide occurs between 325.7-331.3m. Occasional bluish quartz crystals present between 330.0-331.0m. 316.90-317.20 Fault Broken interval. 320.70-320.90 Fault Folded and crushed interval. 321.30-321.40 Fault Thin fault gouge. 331.80-332.60 Fault Occasional thin fault gouge zone. 332.90-333.40 Fault Fault zone with crushed and gouged Qtz-Ser-CO3 Schist.	S	S	2.00	1.00			
334.20	336.50	Fault Fault gouge and crushed intervals of Argillite/Phyllite and Qtz-Ser-Chl (Grph) Schist lithologies. S0/S1 at low angle to ca. 335.30-335.40 Fault	S	S					

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
336.50	336.70	Qtz-Ser-Chl (Grph) Schist As above.	S	G	0.01	0.01			
336.70	340.80	FZ Granular Light to medium greenish grey quartz-grey to light green sericite schist with good granular textures and wispy disseminated pyrhotite. Sericitic alteration is weaker than above units; weak carbonate alteration still present.	G	G	0.01	1.00			
340.80	342.20	Qtz-Ser-Chl (Grph) Schist Mixed Qtz-Ser-CO3 Schist, as above, and several intervals of mised, thin bedded to laminated Qtz-Ser-CO3 Schist and Argillite/Phyllite.	G	G	0.01	0.01			
342.20	343.30	Qtz-Ser-CO3 Schist Wacker/Arkose Light to medium creamy grey coloured quartz-sericite-carbonate schistswith weakly developed chlorite-quartz-pyrhotite mottling and disscontinuous bands. Po also occurs as wispy disseminations.	G	G	0.01	4.00			
343.30	348.40	Qtz-Ser-Chl (Grph) Schist Medium greenish grey quartz-ser+chl schists reflecting mixed felsic tuff and argillaceous material, as above. Occasional quartz crystals are present. Bi-quartz-calcite veinlets/bands locally present. 345.20-345.40 Fault 346.80-347.40 Fault Broken interval with minor fault gouge. 347.90-348.10 Fault	G	G	0.01	0.01			
348.40	350.80	FZ Granular Light to medium green grey, siliceous, granular quartz-sericite schist with wispy disseminated pyrite-pyrhotite. Thin faults at 349.7 and 350.8 m.	G	G	0.01	1.00			
350.80	355.40	FZ Fragmental As above, but with abundant diffuse silica-clots (disrupted/fragmented bands/veins?) and possible feldspar. Weak to moderately carbonate altered. Thin fault gouge at 352.2m.	G	G	0.01	1.00			
355.40	370.60	FZ Granular Light yellowy green grey, waxy sericite-quartz schists with tr-1% sphalerite as disseminated fracture fillings and in quartz-pyrite--chlorite veinlets at 359.5m. Between 359.5-363.8m, increased sercite alteration and more abundant quartz-pyrite veins/bands up to 2.5 cms and fine wispy disseminated pyrite-pyrhotite. Between 363.5-363.8m, pyritic exhalite(?) containing 20-40% fine to medium-grained pyrite in silica gangue and minor dark grey argillaceous material. Unit becomes weakly calcareous due to calcite-quartz clots/fragmented bands/veins. 358.10-358.80 Fault Broken interval with minor fault gouge. 363.00-367.10 Fault Broken interval with minor gouge at 363.5, 364.0, 364.5, 365.5 and 366.0m. 369.80-370.00 Fault	G	G	4.00	2.00			0.01

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
370.60	371.70	Fault Strong fault gouge, crushed Qtz-Ser-CO3 Schist and lost core.	G	S					
371.70	388.80	FZ Granular Weakly calcareous, quartz-sericite schist with granular to ribboned/sheared textures and quartz-calcite blebs, clots and transposed/fragmented bands/veins. Py+po occur as wispy disseminations throughout. Thin quartz-pyrite-galena-chalcopyrite vein at 388.7m. 373.60-373.70 Fault Crushed and gouged. 376.30-376.50 Fault Fault gouged and crushed Qtz-Ser-CO3 Schist. 377.90-378.60 Fault Broken with thin gouge zones. 379.40-379.50 Fault 380.90-388.80 Fault Interval of broken core with numerous gouge zones at 381.0-381.3, 383.0-383.4, 386.9-387.3, 387.0-387.5m.	S	S	1.00	0.01			
388.80	389.60	Fault Fault gouge.	S	S					
389.60	395.00	FZ Ribboned Light grey to white, very siliceous, thin qtz+ser diffuse ribbon/bands and fragments set in a light green, strongly sericitic (sheared) groundmass or foliation seams. Po+py occurs as wispy disseminations. Light grey felsic is massive, fine-grained felsic flow?. Unit is broken and localy sheared and gouged at 391.9-392.1 and 392.2-392.4m.	S	G	0.01	1.00			
395.00	403.50	FZ Fragmental As above; however, unit becomes more massive, homogenous with more abundant diffuse quartz-sericite clots/fragments. 396.20-396.40 Fault Fault gouge.	G	S	1.00	0.01			
403.50	407.20	Alteration-Typical weak Interval of strongly sericitic (light green grey to white) Qtz-Ser-CO3 Schist containing occasional intervals with fine chlorite porphyroblasts and white qtz+cc-pyrite-sphalerite-galena veins from 2-110 cms wide. Py+po occur as wispy disseminations. Unit is strongly altered from 404.6-405.4m. Quartz veins with trace-1% sphalerite-galena-pyrite occur at 405.4, 406.0 and 406.3m. 403.50-404.60 Quartz Vein Qtz-cc+bi-pyrite vein containing trace sphalerite-galena-chalcopyrite as fine to medium grained sulphides as clots and marginal disseminations. 406.40-406.70 Quartz Vein Qtz vein with trace sphalerite. 406.80-407.20 Quartz Vein			1.00	1.00		0.01	0.01

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
407.20	411.70	FZ Ribboned Interval of ribboned/banded, very siliceous, sericitic Qtz-Ser-CO3 Schist with 1-4% pyrite-pyrhotite occuring as fine and blebby, wispy disseminations. S0/S1 ribbons/bands are generally oriented parallel to the ca. Several quartz-veins, 10-15 cms, are present at 410.7, 411.4 and 411.6m.. 409.10-409.30 Quartz Vein	S	S	2.00	2.00			
411.70	416.60	Alteration-Typical weak As above; numerous quartz-calcite veins with no apparent sphalerite-galena content are present, often with gouged margins. Small chlorite porphyroblasts are present at 416.4m. Sericitization appears to be related to local veins/faults vs broad semiconformable alteration?	S	G	0.01	0.01			
416.60	427.30	FZ Granular Moderate to strongly sericitic unit cut by numerous quartz veins with sheared margins and no apparent sulphide content from 419.3-422.2m. 419.30-420.50 Fault Fault gouge and quartz veins. 425.30-425.50 Fault Fault gouge. 426.60-426.80 Fault Fault gouge.	G	S	0.01	0.01			
427.30	430.40	Fault Fault gouge and crushed felsics and quartz vein material.	S	S					
430.40	432.60	FX Quartz Phyric Bluish grey quartz crystal (up to 3 mms), fragmental textured quartz-ser+chl schist (Felsic Tuff, Crystal, Felsic Tuff, Lapilli, Quartz?). Sulphides occur as quartz-cc+py-pyrhotite veinlets (locally transposed/fragmented). Unit is broken and locally gouged; thin fault gouge and broken core at 431.8m.	S	S	2.00	3.00			
432.60	433.10	Fault Broken and locally gouged felsics.	S	S					
433.10	446.30	FZ Granular Locally broken and weakly gouged light creamy coloured, massive, granular, homogenous quartz-sericite-carbonate schists with sulphides occuring as streaky wispy disseminations and foliation parallel fracture fillings and quartz-cc+sulphide bands/veinlets. Unit becomes greyer (grey sericite predominates) and less sulphidic at 438.3m. 436.30-436.70 Fault Crushed and gouged fault zone with contacts at 20 to ca. 437.80-438.30 Fault Crushed and gouged fault zone with lower contact at 28 to ca. 445.20-445.90 Fault Crushed and gouged fault zone with a lower contact at 48 to ca.	S	S	2.00	3.00			

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DRILL LOG

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
446.30	448.30	BI/SER/QTZ/CHL Schist Medium browny grey, fine-grained biotite-ser/chl-qtz+cc schist (mafic sill/dyke) with a thin banded texture defined by biotite-sericite distribution in S2 parallel seams and qtz+chl-calcite veinlets. Locally this unit is Fecarbonate altered and contains SK like quartz-chlorite-biotite mottles.	S	S	0.01	1.00			
448.30	453.50	Wacker/Arkose Massive, fine-grained sericite-quartz schsit with quartz-chlorite-biotite-pyrhotite mottles and cut by occasional quartz-calcite-chlorite-po+bi-tourmaline veinlets. Several local, minor crushed and gouged zones are present.	S	S		2.00			
453.50	454.40	BI/SER/QTZ/CHL Schist As above.	S	S	0.01	1.00			
454.40	454.90	Wacker/Arkose As above, but with a more intense mottling texture. Unit is broken with fault gouge at 454.4-454.6m.	S	S		2.00			
454.90	456.20	BI/SER/QTZ/CHL Schist As above.	S	S	0.01	1.00			
456.20	457.70	Wacker/Arkose As above; gradational lower contacts over 10 cms.	S	G		2.00			
457.70	461.60	FZ Granular Weakly carbonate altered and locally weakly chlorite-biotite mottled quartz-ser+carbonate schists. Po occurs as disseminations and quartz-po+py veinlets/bands.	G	S	0.01	1.00			
461.60	462.00	BI/SER/QTZ/CHL Schist As above; numerous calcite-quartz-chlorite-biotite veining parallel to S2 as well as folded/contorted veinlets, are present.	S	S	0.01	1.00			
462.00	464.50	FZ Fragmental Weakly carbonate altered and locally weakly chlorite-biotite mottled quartz-ser+carbonate schists with diffuse silica and quartz-sericite fragments. Po occurs as disseminations and quartz-po+py veinlets/bands.	S	S	0.01	1.00			
464.50	471.80	Wacker/Arkose As above, with mottled quartz-chlorite-bi+po developed throughout (Alteration-Typical weak?).	S	G		2.00			
471.80	481.80	FX Granular Weakly ribbon banded to fragmental textured (generally granular), quartz-sericite-chlorite-biotite-calcite schists with locally developed weak chlorite-biotite-calcite mottling. 475.00-475.20 Fault Fault gouge zone. 476.50-476.80 Fault 478.70-479.10 Fault	G	S	0.01	0.01			
481.80	482.50	Fault Fault gouge with upper contact at 48 to ca.	S						

*** END OF HOLE *** 482.50

093848

HOLE NO: K97-176 SECTION: GRID:

PROJECT CODE : KUDZ ZE KAYAH
TENEMENT : TAG
PROSPECT :
GRID :
MAP REFERENCE : NTS 105 G 7
LOCATION : YUKON
HOLE TYPE : NQ

*** COLLAR COORDINATES AND RL ***

NOMINAL	5800.00mN	5110.00mE	0.00RL

Pre-collar depth: Final depth: 364.80

Purpose of hole:

Hole status:

Comments:

*** SURVEY DATA ***

Survey Method: SPERRY SUN

Depth	Azimuth	Inclination
0.00	180.00	-86.00
20.40	177.00	-86.10
84.40	182.00	-83.30
143.30	183.00	-81.20
203.30	183.50	-80.80
273.40	196.00	-79.80
326.40	195.50	-79.50
334.40	184.00	-79.50
364.80	194.50	-78.80

*** SUMMARY LOG ***

0.00	12.40	OVERBURDEN
12.40	16.50	SEDS
16.50	18.60	MAFIC TUFF
18.60	19.50	ARGILLITE/PHYLLITE MAFIC TUFF

*** DRILLING SUMMARY ***

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

*** SIGNIFICANT ASSAYS ***

From	To	Width
22.70	22.80	0.10
29.70	29.80	0.10
36.20	36.30	0.10
46.30	46.40	0.10
55.90	56.00	0.10
63.40	63.50	0.10
78.20	78.30	0.10
90.30	90.40	0.10
94.40	94.50	0.10
102.50	102.60	0.10
110.50	110.60	0.10
126.90	127.00	0.10
135.00	135.10	0.10
154.60	154.70	0.10
172.70	172.80	0.10
184.80	184.90	0.10
197.20	197.30	0.10
201.80	201.90	0.10
207.60	207.70	0.10
217.30	217.40	0.10
222.50	222.60	0.10
226.30	226.40	0.10
251.70	251.80	0.10
271.30	271.40	0.10
289.60	289.70	0.10
310.90	311.00	0.10
320.10	320.20	0.10
327.60	327.70	0.10
337.00	337.10	0.10
345.70	345.80	0.10
351.60	351.70	0.10

Checked and signed: _____ Date: _____

HOLE NO: K97-176 SECTION: GRID:

19.50	19.80	QUARTZ VEIN
19.80	22.00	ARGILLITE/PHYLLITE MAFIC TUFF
22.00	24.00	FELSIC TUFF, QTZ CRYSTAL
24.00	25.20	FX FRAGMENTAL
25.20	26.20	MAFIC DYKE
26.20	27.70	FX GRANULAR
27.70	28.60	FX FRAGMENTAL
28.60	30.40	FX GRANULAR
30.40	31.90	FX RIBBONED
31.90	36.20	FELSIC TUFF, LAPILLI
36.20	38.10	FELSIC TUFF, QTZ CRYSTAL
38.10	41.20	MAFIC DYKE
41.20	43.70	FELSIC TUFF, QTZ CRYSTAL
43.70	45.60	FX GRANULAR
45.60	49.40	FELSIC TUFF, QTZ CRYSTAL
49.40	49.60	VEIN
49.60	52.50	FELSIC TUFF, QTZ CRYSTAL
52.50	54.50	FELSIC TUFF, QTZ CRYSTAL FELSIC TUFF, LAPILLI
54.50	55.40	QUARTZ VEIN
55.40	56.90	FELSIC TUFF, QTZ CRYSTAL FELSIC TUFF, WITH CRYSTAL LAPILLI
56.90	59.30	FAULT
59.30	60.00	FZ GRANULAR
60.00	60.80	FELSIC TUFF, QTZ CRYSTAL FELSIC TUFF, LAPILLI
60.80	65.90	FELSIC TUFF, LAPILLI
65.90	66.50	FAULT
66.50	73.20	FELSIC TUFF, LAPILLI
73.20	74.30	FAULT
74.30	75.30	FELSIC TUFF, LAPILLI
75.30	75.60	FAULT
75.60	76.90	FELSIC TUFF, LAPILLI
76.90	77.00	FAULT FX GRANULAR
77.00	78.30	FX GRANULAR
78.30	80.40	MAFIC DYKE

Checked and signed: _____ Date: _____

HOLE NO: K97-176 SECTION: GRID:

80.40	83.00	FX GRANULAR
83.00	84.30	FX GRANULAR
84.30	85.00	FAULT
85.00	93.40	FELSIC TUFF, LAPILLI FELSIC TUFF, WITH CRYSTAL LAPILLI
93.40	97.10	MAFIC DYKE
97.10	98.60	FELSIC TUFF, LAPILLI
98.60	102.30	FX GRANULAR FX RIBBONED FELSIC TUFF, LAPILLI
102.30	104.30	FELSIC TUFF, LAPILLI
104.30	105.20	FX GRANULAR MAFIC DYKE
105.20	105.80	FX GRANULAR
105.80	106.20	MAFIC DYKE
106.20	106.80	FX FRAGMENTAL
106.80	107.10	MAFIC DYKE
107.10	110.30	FELSIC TUFF, LAPILLI
110.30	111.50	FX FRAGMENTAL
111.50	111.80	FX GRANULAR
111.80	114.30	MAFIC DYKE
114.30	116.00	FX FRAGMENTAL
116.00	117.20	FX GRANULAR
117.20	123.30	WACKER/ARKOSE
123.30	124.10	FAULT
124.10	124.40	FELSIC TUFF, LAPILLI
124.40	126.20	WACKER/ARKOSE QTZ-SER SCHIST +/-CHL, BI, CO3
126.20	130.50	FX GRANULAR FX FRAGMENTAL
130.50	131.80	WACKER/ARKOSE FX FRAGMENTAL
131.80	132.60	FX GRANULAR
132.60	134.70	FX FRAGMENTAL
134.70	135.70	FZ GRANULAR
135.70	136.00	FAULT
136.00	138.40	FX FRAGMENTAL
138.40	138.80	FAULT
138.80	140.20	FX GRANULAR
140.20	140.40	FAULT
140.40	140.80	FX FRAGMENTAL
140.80	141.10	FAULT
141.10	141.40	FX GRANULAR
141.40	144.90	WACKER/ARKOSE ARGILLITE/PHYLLITE

Checked and signed: _____ Date: _____

HOLE NO: K97-176 SECTION: GRID:

144.90	145.40	FAULT
145.40	149.90	WACKER/ARKOSE
149.90	150.40	FX GRANULAR
150.40	151.60	WACKER/ARKOSE
151.60	152.00	FX FRAGMENTAL
152.00	152.90	FZ RIBBONED
152.90	155.30	FX GRANULAR
155.30	157.50	WACKER/ARKOSE
157.50	158.30	FX GRANULAR
158.30	162.20	WACKER/ARKOSE ARGILLITE/PHYLLITE
162.20	163.90	FX GRANULAR
163.90	166.30	WACKER/ARKOSE
166.30	167.70	FZ FRAGMENTAL
167.70	170.20	WACKER/ARKOSE
170.20	176.90	FZ GRANULAR
176.90	178.90	WACKER/ARKOSE FZ FRAGMENTAL
178.90	179.80	FZ GRANULAR
179.80	180.30	FAULT
180.30	181.00	FZ GRANULAR
181.00	194.20	WACKER/ARKOSE ALTERATION-TYPICAL WEAK
194.20	195.10	QUARTZ VEIN
195.10	198.10	ALTERATION-TYPICAL WEAK
198.10	198.80	QUARTZ VEIN
198.80	199.50	WACKER/ARKOSE ALTERATION-TYPICAL WEAK
199.50	203.10	FZ RIBBONED FZ FRAGMENTAL
203.10	206.70	FZ FRAGMENTAL
206.70	212.40	ALTERATION-TYPICAL WEAK QUARTZ VEIN
212.40	217.00	FZ RIBBONED
217.00	219.20	ALTERATION-TYPICAL WEAK FZ FRAGMENTAL
219.20	219.40	CHERT
219.40	221.90	ALTERATION-TYPICAL WEAK
221.90	222.20	QUARTZ VEIN
222.20	223.80	ALTERATION-TYPICAL WEAK

Checked and signed: _____ Date: _____

HOLE NO: K97-176 SECTION: GRID:

223.80	224.70	FZ RIBBONED
224.70	226.10	FZ FRAGMENTAL
226.10	239.20	ALTERATION-TYPICAL WEAK
239.20	242.00	ALTERATION-TYPICAL WEAK WACKER/ARKOSE
242.00	242.20	FAULT
242.20	243.00	FZ GRANULAR
243.00	246.20	ALTERATION-TYPICAL WEAK WACKER/ARKOSE
246.20	250.70	WACKER/ARKOSE
250.70	252.30	FX FRAGMENTAL
252.30	258.00	WACKER/ARKOSE
258.00	260.10	ARGILLITE/PHYLLITE WACKER/ARKOSE
260.10	269.40	WACKER/ARKOSE
269.40	271.70	ALTERATION-TYPICAL WEAK WACKER/ARKOSE
271.70	274.20	FZ FRAGMENTAL
274.20	280.10	WACKER/ARKOSE
280.10	282.90	MAFIC TUFF WACKER/ARKOSE
282.90	285.00	CHLORITE/CALCITE/BIOTITE SCHIST ARGILLITE/PHYLLITE
285.00	288.30	WACKER/ARKOSE
288.30	289.70	FZ FRAGMENTAL
289.70	297.20	WACKER/ARKOSE
297.20	298.40	FZ FRAGMENTAL
298.40	303.30	WACKER/ARKOSE
303.30	303.80	CHLORITE/CALCITE/BIOTITE SCHIST ARGILLITE/PHYLLITE
303.80	306.80	WACKER/ARKOSE
306.80	307.60	CHLORITE/CALCITE/BIOTITE SCHIST WACKER/ARKOSE
307.60	308.10	WACKER/ARKOSE
308.10	308.50	FZ GRANULAR
308.50	310.10	WACKER/ARKOSE
310.10	311.80	FZ GRANULAR
311.80	315.00	WACKER/ARKOSE
315.00	317.30	FZ FRAGMENTAL
317.30	317.90	FAULT
317.90	318.50	FZ GRANULAR

Checked and signed: _____ Date: _____

HOLE NO: K97-176 SECTION: GRID:

318.50	319.70	FAULT
319.70	321.40	FZ FRAGMENTAL
321.40	323.60	WACKER/ARKOSE FX FRAGMENTAL
323.60	326.20	WACKER/ARKOSE ARGILLITE/PHYLLITE CHLORITE/CALCITE/BIOTITE SCHIST
326.20	327.90	FX FRAGMENTAL
327.90	328.40	WACKER/ARKOSE
328.40	331.30	FX FRAGMENTAL WACKER/ARKOSE
331.30	333.20	WACKER/ARKOSE QTZ-SER SCHIST +/-CHL, BI, CO3
333.20	334.50	FX FRAGMENTAL
334.50	337.70	FX GRANULAR FELSIC QUARTZ-SERICITE SCHIST WITH QUARTZ CRYSTALS
337.70	339.00	FAULT
339.00	341.00	WACKER/ARKOSE QTZ-SER-CO3 SCHIST
341.00	342.00	FAULT
342.00	343.80	FZ GRANULAR
343.80	344.50	WACKER/ARKOSE
344.50	348.40	FX FRAGMENTAL
348.40	349.90	WACKER/ARKOSE QTZ-SER SCHIST +/-CHL, BI, CO3
349.90	361.80	FELSIC PORPHYRY FX FRAGMENTAL FELSIC TUFF, QTZ CRYSTAL
361.80	362.80	MAFIC DYKE
362.80	364.80	FELSIC PORPHYRY
364.80		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
NQ DRILL LOG

K97-176

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	12.40	Overburden	S	S					
12.40	16.50	Seds Very dark black with white veins/domains. Veining is calcareous and highly reactive to HCl. The mudstones appear thinly bedded to laminated, interlayered with the calcareous veins. Bedding is broken, perhaps transposed. Sulphides occur as very finely disseminated pyrite and as small pyrhotite clots between bedding or vein surfaces. The calcareous veins are variable in size but pervasive	S	S					
16.50	18.60	Mafic Tuff Sharp change to chloritic / calcareous quartz vein bearing unit. Clots/blebs of pyrhotite occur throughout more chloritic packages	S	G		1.00			
18.60	19.50	Argillite/Phyllite Mafic Tuff Similar to previous Seds package, still containes thinly bedded, somewhat carbonaceous mudstones, interbedded with calcareous veins. Several portions are highly disrupted, calcareous veining often showing foldling	G	S	0.01				
19.50	19.80	Quartz Vein Large bull-quartz vein -- shows some biotite included along fractures, areas near biotite also tend to have a calcareous surrounding	S	S					
19.80	22.00	Argillite/Phyllite Mafic Tuff Dark black calcareous mudstones with both quartz & calcite veins interbedded/mixed with some more chloritic areas suggesting the meta-mafic unit. Still a thinly bedded unit with some disruption in the beds but bit as severs as @ 12.4-16.5m	S	G					
22.00	24.00	Felsic Tuff, Qtz Crystal Buff to grey coloured unit with faint layering/bedding surfaces as well as blue quartz eyes, in a moderate amount, scattered throughout unit -- small wispy calcareous patches as well as some biotite, toward contact siliceous bands become more enlarged -- entire rock moderatly siliceous.	G	G					
24.00	25.20	FX Fragmental Grey-green colourd unit with buff coloured calcareous areas and some siliceous areas, some chloritized and sericitized. Weakly mottled/speckled appearnce from a biotite overprint. Some very finely disseminated pyrite thoughout unit	G	S	0.01				
25.20	26.20	Mafic Dyke Dark green chloritized areas. Several small quartz veins (<5cm) and quartz patches are found -- all are barren. Between 25.7& 26.0 some contorted veinlets & stringers of pyrite, pyrhotite in a biotite matrix	S	G	1.00	0.01			

Kudz Ze Kayah
NQ DRILL LOG

K97-176

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
26.20	27.70	FX Granular Reasonably dark green for this unit, weakly calcareous -- except for veins. Abundant biotite speckled of this unit -- clusters of biotite have veen elongated in some places. Calcite veins are spaced irregularly with rest of the unit appearing uniform/massive	G	G					
27.70	28.60	FX Fragmental Small patch of more typical FX Fragmental with more obvious siliceoua areas in somewhat calcite buff -- grey/green rock some patchy ares of chlorite and perhaps evidence of a weak sericitization.	G	S					
28.60	30.40	FX Granular Same unit as above with biotite overprint. NPO calls this unit Chlorite/Calcite/Biotite Schist but not very much calcite so stick with the Qtz-Ser Schist +/-Chl, Bi, CO3 designation but only slightly sericitized in comparison to more typical FX Granular	S	G					
30.40	31.90	FX Ribboned Buff-green-grey fine granular quartz - sericite - carbonate schist + chlorite. Carbonate clustering along siliceous strands this unit finish wih 5cm quartz vein	G	S	0.01				
31.90	36.20	Felsic Tuff, Lapilli Quartz-sericite-chlorite schist with some carbonate, fine grained with some siliceous fragments having a stretched appearance. Thinly bedded/laminated sections moving into several coarser sections @350m banded patches of chl+ser occur between qtz/silica bands. Biotite occurring less abundantly then above but still as flecks parallel to bedding. Some finely disseminated pyrite throughout. Maybe some Wacker/Arkose? like areas	S	G	0.01				0.00
36.20	38.10	Felsic Tuff, Qtz Crystal Quartz-phyric crystal tuff with chlorite, sericite, carbonate host for bluish quartz-eyes. Eyes appear throughout with variable size but no grading observed. Chlorite not as dominant as in previous units. Can still see some sort of bedding, can also see areas where silica + carbonate clot together	G	S					
38.10	41.20	Mafic Dyke Med-dark green clh-biotite-quartz-(sericite) schist that is speckled with carbonated rhombs. Has similar appearance to some of the above FX Granular as biotite also speckles this uit, but this unit has more calcite than those denoted as Qtz-Ser Schist +/-Chl, Bi, CO3. Throughout this finely grained unit thickenings of quartz bands can be found. Some sporadic quartz-eyes are also observed	S	G					

Kudz Ze Kayah
NQ DRILL LOG

K97-176

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
41.20	43.70	Felsic Tuff, Qtz Crystal This unt seems to be the dominant rock type in this section alternating with the unit immediately below and the mafic dyke/sill occurrences. Again quartz-sericite-carbonate-chlorite schist with blue quartz eyes throughout also some clustering of carb+sil. 2nd & 3rd cleavages visible?	G	G					
43.70	45.60	FX Granular Quartz-sericite-chlorite shist with carbonate, fine grained, still some biotite speckles but no quartz-eyes, some patchy pyrhotite near veins/fractures	G	G	0.01	0.01			
45.60	49.40	Felsic Tuff, Qtz Crystal Med-coarse quartz, sericite, chlorite schist with blue quartz eyes, some patches of pyrhotite, similar to above units -- may show grading from Felsic Tuff, Qtz Crystal segment to next	G	G	0.01	0.01			
49.40	49.60	Vein Calcite + pyrite vein, nice calcite crystal	G	G	5.00				
49.60	52.50	Felsic Tuff, Qtz Crystal Same as above units quartz-sericite-chlorite-carbonate schist, very fined grained though still contains bluish quartz crystals/layers but the quartz is beginning to be strung out. Disseminated. Pyrite throughout along iwth clots containing both pyrite & pyrhotite	G	G	1.00	0.01			
52.50	54.50	Felsic Tuff, Qtz Crystal Felsic Tuff, Lapilli Coarse quartz sericite carbonate schist with chlorite & biotite. Has blue quartz-eyes along with what may have been feldspar phenocrysts that have been altered. Biotite occurs along fractures and exploits the layering seen. Quartz-eyes oriented along cleavage -- best candidate for QFP?? Minor pyrite disseminated in places	G	S	0.01				
54.50	55.40	Quartz Vein Bull-quartz vein surrounded by carbonate. Carbonate has some pyrite & pyrhotite along with biotite and jade green chlorite some sphalerite in small places	S	S	0.01	0.01			0.01
55.40	56.90	Felsic Tuff, Qtz Crystal Felsic Tuff, with crystal lapilli Qtz-sericite-carbonate schist with chlorite between layers coarse grained -- with quartz eyes (blue) and some quartz veins, more sericitized than in past sections (waxy yellow patches)	S	S					
56.90	59.30	Fault Broken ground, bad gouge	S	S					
59.30	60.00	FZ Granular Qtz-sericite schist granular, textured with biotite speckles, quite calcareous has strong bull-quartz veins. Broken ground, more sericitized	S	G					

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
60.00	60.80	Felsic Tuff, Qtz Crystal Felsic Tuff, Lapilli Qtz-sericite-carbonate schist with blue quartz eyes, coarsely layered rock with calcareous highly disrupted veining -- some possible	G	S					
60.80	65.90	Felsic Tuff, Lapilli Felsic lapilli tuff (again possible candidate for former QFP -- somewhat like F/W??) @60.8-62.3m fine-med grain while 62.3-65.9 coarse with large lapilli fragments (mostly qtz&alteration) align along cleavage/bedding surfaces. Some large patches of py/po. Py/po also found disseminated throughout. Some biotite observed to cluster along surfaces. Some broken ground between 64.6-65.2m	G	S					
65.90	66.50	Fault Broken ground, small patches of gouge	S	S					
66.50	73.20	Felsic Tuff, Lapilli Quartz-sericite-chlorite schist with quartz fragments & veins with orientation of fragments to the S2 seen	S	S					
73.20	74.30	Fault More competant at @ top 73.2-73.6 but ground badly warped followed by broken and 40 cm of gouge	S	S					
74.30	75.30	Felsic Tuff, Lapilli Same as above quartz-sericite-chlorite schist with some carbonate, quartz fragments. Lapillii align along S2 which is highly disrupted almost wrapped around itself, coarse grained	S	G					
75.30	75.60	Fault Broken ground, some gouge	G	G					
75.60	76.90	Felsic Tuff, Lapilli Fine-medium grained quartz-sericite-chl/bi schist, quartz fragments, fewer frags than above, only trace biotite	S	G					
76.90	77.00	Fault FX Granular Very broken (FX Granular), small gouge	S	S					
77.00	78.30	FX Granular Quartz-sericite schist +/- some carbonate, chlorite, fine-grained some biotite speckled along S2, with some silica areas/ribbons observed	G	S					
78.30	80.40	Mafic Dyke Chlorite-calcite-biotite schist with some broken ground, contains, disseminated pyrhotite & pyrite. Large areas/veins of bull quartz, along with wisps of sulphides some areas almost Wacker/Arkose appearance /texture	S	S	1.00	0.01			
80.40	83.00	FX Granular Quartz-sericite-chlorite schist with some carbonate, fine grained with speckles of biotite throughout grey-green colur, some broken ground, several small <10cm section of gouge but rock-tye doesn't vary	G	G					

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
83.00	84.30	FX Granular Quartz-ser+chl, carbonate schist, med-coarse grained with what may be quartz fragments/lapilli no real calcareous component. Some banding where biotite can be seen to cluster, fairly sericitized, contains wispy traces of pyrite	G	S	0.01				
84.30	85.00	Fault Broken ground, large patches of gouge containing FX Granular	S	S					
85.00	93.40	Felsic Tuff, Lapilli Felsic Tuff, with crystal lapilli Felsi tuff composed of mainly quartz-sericite-chlorite-biotite schist rock is green/brown with brown introduced by small carbonate component calcite & quartz tend to occur as fragments/lapilli or as veins/ fractures, perhaps some replaced phenocrysts/porphroblasts (now calcareous). Somce finely disseminated pyrite and even less pyrhotite found, along fractures or as short wispy threads. Last 10cm of unit: broken ground. 85.0-85.8m med-coarse fragments 85.8-93.4m fine-med fragments, in uniform competent rock	S	G	0.01	0.01			
93.40	97.10	Mafic Dyke Chlorite-calcite-quartz schist. Some small carbonate speckles along with cc/qtz veins. Veins of bull-quartz common in centre of the unit while the ends show mor chlorite-dominated layers disseminated po& pyrite in some of the chlorite bands. This dk green unit gradual evolves into the nexst	G	G					
97.10	98.60	Felsic Tuff, Lapilli Quartz-sericite schist with some chlorite. Rock is green-grey with bluish fragments/lapilli may be stretched quartz-eyes. Some carbonate is also present in this unit giving a brownish cast, some quartz fragments have an alteration in/near them. Some biotite speckled throughout	G	G					
98.60	102.30	FX Granular FX Ribboned Felsic Tuff, Lapilli Predominantly grey with heavy biotite overprint, lots of quartz veinin/fragments hard to judge whether this is an Qtz-Ser Schist +/-Chl, Bi, CO3 or an Felsic Tuff overprinted rock. Some carbonate presence giving the buff/brown colour to some areas. Med to coarse grained. These rocks FX/FT seen to gradational alternate from one to another.	G	G					
102.30	104.30	Felsic Tuff, Lapilli Quartz-sericite with some bi/chl/carb. This unit displays fragments elongated along bedding/layers. Fagments are dominantly quartz with some alteration. Lower half of unit (103.2-104.3m) shows strong biotite overprint	G	G					

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
104.30	105.20	FX Granular Mafic Dyke Area of broken ground & of quartz-sericite-chlo schist with no fragments although some minor quartz veins. May be some Mafic Dyke	G	G	0.01				
105.20	105.80	FX Granular Quartz-sericite-chlorite schist with minor biotite speckles. Grey/green w. Some quartz veins/domains	G	G	0.01				
105.80	106.20	Mafic Dyke Chlorite-calcite-biotite schist highly calcareous very dark gr/blk with fine grained band, some quartz veins/fragments no obvious sulphides	S	S					
106.20	106.80	FX Fragmental Quartz-sericite-chlorite schist, similar to previously described units--relative of Felsic Tuff, Lapilli ??	S	S					
106.80	107.10	Mafic Dyke Small dk gr/blk unit, very finely banded/laminated, with abundant biotite, moderately calcareous--no	S	S					
107.10	110.30	Felsic Tuff, Lapilli Quartz-sericite-chlorite schist with biotite and some carbonate, weakly calcareous, med-coarse grained, some biotite-overprint where coarsest overprint is found fragments are stretched lenght 4:1 width	S	G					
110.30	111.50	FX Fragmental Green/grey qtz/chl/ser schist with fragments of quartz, strung out along layers/surfaces--fragmetns are quartz & carbonate alteration.	S	S					
111.50	111.80	FX Granular Same rock as above zone but without the quartz fragments, very fine grained	S	S					
111.80	114.30	Mafic Dyke Chlorite-calcite schist dk green, fine grained, with some quartz and calcareous band/veins, some disseminated py/po carbonate rhomb speckled not as biotitic as some other Mafic Dyke zone	S	S	0.01	0.01			
114.30	116.00	FX Fragmental Quartz-sericite schist with chlorite and a litte biotite, smimilar to previously described units, with quartz fragments and some carbonate & chlorite. Fine grained	S	S					
116.00	117.20	FX Granular Quartz-sericite shist with some carbonate, very fine grained, little if andy biotite, some chlorite -- more typical fx appeance	S	S					
117.20	123.30	Wacker/Arkose Large zone of chl/bi mottled rock, a wacke/arkose @121.0m some acicular tourmaline?, with no particular orientation. Pyrite seen disseminated throughout the rock with smapp latches of pyrhotite mixed in. With minor quartz veins thorughout biotite tends to concentrate about the quartz veins	G	G	1.50	0.10			

Kudz Ze Kayah
NQ DRILL LOG

K97-176

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
123.30	124.10	Fault All broken, perhaps some fall back 20 cm of gouge	S	S					
124.10	124.40	Felsic Tuff, Lapilli As above Felsic Tuff, Lapilli zone, with quartz fragments maybe FX Fragmental with chl/qtz/ser	S	S					
124.40	126.20	Wacker/Arkose Qtz-Ser Schist +/-Chl, Bi, CO3 Sediments interbedded with quartz sericite schist seds very biotite rich, some quartz veins, pyrite disseminated throughout, with small amouts of pyrhotite	G	G	1.00	0.10			
126.20	130.50	FX Granular FX Fragmental Quartz-sericite schist with some chlorite & biotite and trace disseminated py/po, fine to medium grained matrix	G	G	0.10	0.10			
130.50	131.80	Wacker/Arkose FX Fragmental Sediments? rich in biotite, interbedded with Qtz-Ser Schist +/-Chl, Bi, CO3, fine grained fractures veins with trace sulphides	S	S	0.10	0.10			
131.80	132.60	FX Granular Very fine grained, quartz sericite schist with biotite	G	G					
132.60	134.70	FX Fragmental Fine to medium grained with quartz fragments, more sericitized that previous zones, also chlorite near quartz veins, some broken ground and gouge	G	G					
134.70	135.70	FZ Granular May be Qtz-Ser Schist +/-Chl, Bi, CO3 but more waxy yellow sericite that previously seen, fine grained	G	G					
135.70	136.00	Fault Broken ground, of Qtz-Ser-CO3 Schist??	G	G					
136.00	138.40	FX Fragmental Fine grained with lots of quartz-veins. Veining contain py\po\ga\sp and tourmaline + biotite, small veins of sulphides also scattered throughout	S	S	1.50	0.10		0.10	0.50
138.40	138.80	Fault Broken ground/gouge	S	S					
138.80	140.20	FX Granular Fine ground with biotite, biotite seams contain disseminated pyrite	S	S					
140.20	140.40	Fault Gouge	S	S					
140.40	140.80	FX Fragmental Same as previous, fine grained with siliceous fragments, some biotite	S	S					
140.80	141.10	Fault Broken ground, some gouge	S	S					
141.10	141.40	FX Granular Fine grained, with some biotite, some siliceous patches -> FX Fragmental	S	S					

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
141.40	144.90	Wacker/Arkose Argillite/Phyllite Fine-medium grained with possible argillitic patches definate concentrations of biotite some quartz veining rare calcareous areas, some tourmaline crystals near quartz veins	S	S	0.10	0.10			
144.90	145.40	Fault Badly broken core, and gouge of FX Fragmental, with sulphides mixed in -- pyrite	S	S					
145.40	149.90	Wacker/Arkose Same as before fine grained with siliceous concentrations & quartz veins. Clots of biotite & sulphides in and near quartz veins. 148.0-148.2 -- FX Granular 147.8-148.0 -- Bedding/Cleavage badly distorted/folded 149.2-149.9 -- Wispy stringers of pyrite / pyrhotite	S	S	1.50	0.10			
149.90	150.40	FX Granular Fine grained with some carbonate, much smaller quartz fragments, very finely disseminated pyrite	S	S	0.10				
150.40	151.60	Wacker/Arkose Interbedded with FX Fragmental & quartz veins disseminated pyrite	S	S	1.50				
151.60	152.00	FX Fragmental Quartz fragments in fine grained quartz-sericite schist	S	S					
152.00	152.90	FZ Ribboned Fine grained, waxy yellow/green rock with biotite and jade green chlorite in/near biotite clots. Quartz fragments and bull-qta veins surrounded by pyrhotite & pyrite, some carbonate	S	S	0.10	1.00			
152.90	155.30	FX Granular Fine grianed quartz - sericite schist, what little else there is appears to be brief interludes of Wacker/Arkose -- biotite rich, In some of the Qtz-Ser Schist +/-Chl, Bi, CO3 there are individual veins of pyrite & pyrhotite, these veins follow no specific orientation	S	S	0.10	0.10			
155.30	157.50	Wacker/Arkose Almost striped appearance of alternations between bi/chl & qtz/ser schist small thin quartz veins and some fragments?? Finely disseminated pyrite	G	G	0.10				
157.50	158.30	FX Granular Very fine grained as above described, quartz - sericite schist. Unit finishes with bull-quartz vein	G	S					
158.30	162.20	Wacker/Arkose Argillite/Phyllite Fine grained, thinly laminated seds with Qtz-Ser Schist +/-Chl, Bi, CO3 / Qtz-Ser-CO3 Schist schists lots of biotite + quartz stringers 160.5-160.8 appears very argillitic. Along fracture surfaces, abundant pyrite, small other veinlets of pyrite / pyrhotite	S	G	2.50	1.50			
162.20	163.90	FX Granular Fine grained with some biotitic portions and some calcite component beginning to resemble Qtz-Ser Schist +/-Chl, Bi, CO3 more, as more yellow-green coloured sericite, and more mottled/speckled	S	S					

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
163.90	166.30	Wacker/Arkose As above, still striped appearing, has pyrhotite blobs, chlorite becoming more jade green, also has pyrhotite in small thin threads	S	S		0.10			
166.30	167.70	FZ Fragmental More typical Qtz-Ser-CO3 Schist, fine-medium grained with yellow/waxy sericite - quartz- CO3 schist. SOme chlorite & biotite also present, along with sparse disseminated pyrite	G	G	0.10				
167.70	170.20	Wacker/Arkose Typical Wacker/Arkose, fine grained with blue-green chlorite with quartz fragments contains disseminated pyrite and clots of pyrite +/- magnetite	S	S	0.10	0.10			
170.20	176.90	FZ Granular Yellow green sericite - quartz - (Fe-CO3) schist with mottled/speckled effect, some domains of dominantly pyrhotite with some pyrite and chalcopyrite. Some <5cm bull-quartz veins displaying no mineralization	G	G	0.10	1.50	0.10		
176.90	178.90	Wacker/Arkose FZ Fragmental Small fragments of Wacker/Arkose intermixed with FZ Fragmental. Were these quartz - fragments or are they broken up quartz veins? Rounded clusters of pyrhotite some disseminated pyrite	S	S	0.10	1.50			
178.90	179.80	FZ Granular Quartz - sericite - CO3 schist with minor biotite / chlorite, some clots of pyrite, pyrhotite, fine grained uniform	S	S	0.10	1.00			
179.80	180.30	Fault Broken ground, rubbly core, some gouge	S	S					
180.30	181.00	FZ Granular As before with some sulphides, fine grained, yellowy sericite	S	S	0.10	0.10			
181.00	194.20	Wacker/Arkose Alteration-Typical weak Sediments with weak alteration -> jade green chlorite, yellow sericite on all fracture surfaces. Broken surfaces in biotitic areas host pyrite rock is fine-medium grained rock 181.0-186.9: Wacker/Arkose with jade green chlorite 186.9-189.1: more Alteration-Typical weak-like yellowy sericite with pyrhotite 1891.-194.2: more ribbony texture and more quartz	S	S	1.00	0.10			
194.20	195.10	Quartz Vein Quartz veins hosting calcite, chlorite, pyrite, biotite, tourmaline, galena and sphalerite	S	S	3.50	1.50		0.10	0.10
195.10	198.10	Alteration-Typical weak Jadey-green chlorite, carbonate (ankerite?) and grey/yellow sericite , lots of folding and quartz ribboning, lots of pyrhotite blebs with some pyrite, several smaller bull-quartz veins similar to preceeding zone but without the array of mineralization	S	S	0.10	1.50			

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
198.10	198.80	Quartz Vein Bull-quartz with patches of calcite / chlorite (very green)	S	S					
198.80	199.50	Wacker/Arkose Alteration-Typical weak Small patch of previously described zone with some pyrhotite	S	S		0.10			
199.50	203.10	FZ Ribboned FZ Fragmental Medium grained with remnant quartz-eyes? May be Qtz-Ser Schist +/-Chl, Bi, CO3 but definately quartz - sericite schist, somw chlorite, biotite, carbonate with quartz and biotite dragged out to form ribbons and bands	S	S					
203.10	206.70	FZ Fragmental Quartz - sericite - carbonate schist, a yellowish sericite quartz fragments seen with 204.3-205.0m being almost quartz ribbon like texture. Po occurs as thin wispy strands or rounded patches	G	G		1.50			
206.70	212.40	Alteration-Typical weak Quartz Vein Yellow-green sericite with calcite biotite and greyish sericite lots of bull-white-quartz veins with calcite crystals in vugs/voids. Pyrhotite & pyrite in little thin wispy veins	G	S	0.10	0.10			
212.40	217.00	FZ Ribboned Quartz, waxy sericite schist with remnant quartz-eyes, quartz also appears as continuous ribbon textures. Pyrhotite is disseminated throughout unit	S	G					
217.00	219.20	Alteration-Typical weak FZ Fragmental Similar to previous zone with almost Wacker/Arkose texture but more sericite and chlorite. Darker bands (biotitic) host sulphides both pyrhotite & pyrite	S	S	0.10	0.10			
219.20	219.40	Chert Chert: Blue grey to black chert??	S	S					
219.40	221.90	Alteration-Typical weak Greyish-yellowish sericite jade green (pale) chlorite some Quartz Vein with galena and calcite some ankerite	S	S	0.10	0.10		0.10	0.10
221.90	222.20	Quartz Vein With biotite / calcite and pyrhotite surrounded by pyrite -- odd bits of galena	S	S	0.10	0.10		0.10	0.10
222.20	223.80	Alteration-Typical weak Quartz sericite schist, very yellow sericite, some biotitic patches some quartz veining	S	S					
223.80	224.70	FZ Ribboned Quartz sericite CO3, yellowy grey with some Fe-carbonate, ribbony quartz, rock fine-medium grained	G	G					
224.70	226.10	FZ Fragmental Quartz sericite CO3, very sericitic, with biotite bands that are disrupted may be FZ Granular	S	S					
226.10	239.20	Alteration-Typical weak Fine grained with very yellow waxy sericite, veins of quartz & biotite with pyrite plus auxillary pyrhotite and some (little) sphalerite in the matrix hosting the pyrite & pyrhotite	G	G	1.50	0.10			0.10

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		226.1-227.7 Maybe ATW/FZXG -> less yellowy fewer sulphides 232.0-235.3 Folding seen in quartz and biotite layers parallel to C.AXIS, hinge of fold??							
239.20	242.00	Alteration-Typical weak Wacker/Arkose As above mixed with some Wacker/Arkose looks layered with darker/lighter units	G	S					
242.00	242.20	Fault Gouge with broken rubbly core	S	S					
242.20	243.00	FZ Granular Quartz sericite CO3 schist possibly with quartz fragments	S	G					
243.00	246.20	Alteration-Typical weak Wacker/Arkose As before, waxy yellow sericite + darker sediment (arkosic??) bands, finely disseminated pyrite	G	G	0.10				
246.20	250.70	Wacker/Arkose Typical Wacker/Arkose with biotite some dk chlorite and quartz veins plus lots of quartz stringers & fragments, there are odd bands of pyrite and pyrhotite	G	G	0.10	0.10			
250.70	252.30	FX Fragmental Quartz sericite schist with chlorite & biotite plus pyrhotite wispy lines, fragments of quartz, some calcite	S	S		0.40			
252.30	258.00	Wacker/Arkose Chlorite / biotite mottled rock , fine grained, hosting some sulphides disseminated throughout	G	S	1.00	0.10			
258.00	260.10	Argillite/Phyllite Wacker/Arkose Much finer sediments with quartz veins, chlorite (maybe Mafic Tuff) some disseminated sulphides	S	G	0.10				
260.10	269.40	Wacker/Arkose As above with remnant quartz crystals, chlorite / biotite very little if any sulphides 260.1-265.6 -- more mottled/spotted than striped 265.6-269.4 -- more striped than mottled appearance	G	S					
269.40	271.70	Alteration-Typical weak Wacker/Arkose Same as above dk green chlorite, possible some sphalerite, pyrite, pyrhotite	S	S	0.10	0.10			0.10
271.70	274.20	FZ Fragmental Quartz sericite schist very minor biotite, somm disseminated pyrite, quartz fragments, fine grained host rock	S	G	0.10				
274.20	280.10	Wacker/Arkose Typical interbedded seds with chlorite / biotite no discernable sulphides, fine grained	G	G					
280.10	282.90	Mafic Tuff Wacker/Arkose Very chloritic, fine grained, some interbedded sediments, quite calcareous small stringers of pyrite	G	G	0.10				
282.90	285.00	Chlorite/Calcite/Biotite Schist Argillite/Phyllite Chlorite biotite calcite schist very fine grained, dk green, quartz veins, wispy tiny bits of pyrhotite may contain some Argillite/Phyllite	S	S		0.10			
285.00	288.30	Wacker/Arkose Fairly chloritic with biotite / quartz veins, disseminated py/po, striped, fine grained appearance some gouge near end of unit	G	G	0.10	0.10			

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
288.30	289.70	FZ Fragmental Fine grained quartz sericite schist with quartz fragments some chlorite pyrite CO3 biotite pyrhotite	G	G					
289.70	297.20	Wacker/Arkose Fine grained, uniform interbedded sediments with some dk green jadey green chlorite, some seams of pyrite and flecks of pyrhotite	G	G	1.00	0.10			
297.20	298.40	FZ Fragmental Quartz sericite schist with chlorite & biotite flecks and quartz fragments may have some Wacker/Arkose	G	G	0.10	0.10			
298.40	303.30	Wacker/Arkose As above fine grained with occasional clots of jadey green chlorite, some py/po some quartz veins: thin	G	S	0.10	0.10			
303.30	303.80	Chlorite/Calcite/Biotite Schist Argillite/Phyllite Very fine grained argillaceous sediments with very dark chlorite and biotite , pyrhotite occurs as small roundish patches--gives a laminated appearance	S	S		0.10			
303.80	306.80	Wacker/Arkose As above with pyrite and some quartz fragments	S	S	0.10				
306.80	307.60	Chlorite/Calcite/Biotite Schist Wacker/Arkose Same as above + disrupted thin quartz veins, sulphides drawn out along what looks to be bedding/cleavage surfaces	S	S	0.10	0.10			
307.60	308.10	Wacker/Arkose As before, typical of what would be in HW in the felsic package -- but too deep. No observable sulphides	S	G					
308.10	308.50	FZ Granular Typical fine to med grained quartz-sericite schist with CO3 and minor chlorite some sulphides in biotite vein near end of unit	G	G	0.10	0.10			
308.50	310.10	Wacker/Arkose As previous Wacker/Arkose zone, no sulphides and fairly biotitic	G	G					
310.10	311.80	FZ Granular Quartz sericite schist with pyrite / pyrhotite	G	G	0.10	0.10			
311.80	315.00	Wacker/Arkose As above, repetition of packages, alternating with felsic	G	G					
315.00	317.30	FZ Fragmental Quartz - sericite schist med-grained with quartz fragments almost ribbony some sulphides in an Qtz-Ser-Chl (Grph) Schist - like section	G	G	0.10				
317.30	317.90	Fault Broken ground, rubbly core of Qtz-Ser-CO3 Schist??	G	S					
317.90	318.50	FZ Granular Quartz sericite schist, fine grained with biotite flecks, trace sulphides	S	S	0.10	0.10			

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
318.50	319.70	Fault Broken ground and gouge of the felsic material	S	S					
319.70	321.40	FZ Fragmental Quartz sericite schist with biotite flecks & some chlorite, fragments of quartz / albite	S	S					
321.40	323.60	Wacker/Arkose FX Fragmental Interbedded sediment package with quartz fragments somewhat carbonated wispy pyrhotite and pyrite, quartz has almost ribbony texture	G	S	0.10	0.10			
323.60	326.20	Wacker/Arkose Argillite/Phyllite Chlorite/Calcite/Biotite Schist Like higher in hole very chloritic shcist with interbedded sediments pyrhotite & pyrite fairly evenly disseminated and in wispy bands throughout	S	S	1.00	0.10			
326.20	327.90	FX Fragmental Almost ribbony texture quartz sericite schist with white carbonate quartz fragments with pyrhotite and pyrite	S	G	0.10	0.10			
327.90	328.40	Wacker/Arkose As above, small quartz fragments	G	G					
328.40	331.30	FX Fragmental Wacker/Arkose As before, with interbeds of Wacker/Arkose, fair amount of PO	G	G	0.10	1.50			
331.30	333.20	Wacker/Arkose Qtz-Ser Schist +/-Chl, Bi, CO3 Reverse of previous unit	S	S					
333.20	334.50	FX Fragmental As above but no sediments mixed in	G	G					
334.50	337.70	FX Granular felsic quartz-sericite schist with quartz crystals Very fine grained with lots of bluish quartz crystals may be Felsic Porphyry some sort of QFP but no feldspar seen	G	G					
337.70	339.00	Fault Broken ground a lot of clayey gouge (Qtz-Ser-CO3 Schist)	S	S					
339.00	341.00	Wacker/Arkose Qtz-Ser-CO3 Schist As before seds and felsic intermixed	S	S					
341.00	342.00	Fault Broken rubbly core	S	S					
342.00	343.80	FZ Granular Quartz - sericite schist with biotite speckles some chlorite and pyrite	S	G	0.10				
343.80	344.50	Wacker/Arkose As above fair amount of chlorite almost mafic but no real calcarous comp.	G	G	0.10	0.10			
344.50	348.40	FX Fragmental Quartz sericite with chlorite + biotite abundant pyrhotite wisps	G	G	0.10	1.50			
348.40	349.90	Wacker/Arkose Qtz-Ser Schist +/-Chl, Bi, CO3 As before lots of chlorite with folded quartz veins	G	G					

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NQ DRILL LOG

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
349.90	361.80	Felsic Porphyry FX Fragmental Felsic Tuff, Qtz Crystal Quartz - sericite schist with abundant bluish quartz eyes and zones of pyrite / pyrhotite small amounts of biotite and chlorite some calcite in quartz veins 349.9-352.0 more FX Fragmental 352.0-353.5 FP/FTCZ 353.5-354.7 broken ground some gouge 354.7-361.8 FP/FTCZ	G	S					
361.80	362.80	Mafic Dyke Chlorite schist with carbonate rhombs & biotite, disseminated sulphides & seams	S	S	0.10	0.10			
362.80	364.80	Felsic Porphyry As above with quartz crystals	S	S					

*** END OF HOLE *** 364.80

HOLE NO: K97-177 SECTION: GRID:

093848

PROJECT CODE : KUDZ ZE KAYAH
TENEMENT : TAG
PROSPECT :
GRID :
MAP REFERENCE : NTS 105 G 7
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	5380.00mN	4450.00mE	0.00RL

Pre-collar depth: Final depth: 68.90

Purpose of hole: TO TEST SURFACE UTEM ANOMALY.

Hole status:

Comments:

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	180.00	-60.00

*** SIGNIFICANT ASSAYS ***

From	To	Width
10.00	10.10	0.10
14.70	14.80	0.10
18.90	19.00	0.10
23.70	23.80	0.10
25.60	27.10	1.50
30.50	30.60	0.10
34.10	34.20	0.10
38.00	38.10	0.10
39.80	39.90	0.10
46.70	46.80	0.10
55.20	55.30	0.10
58.90	59.00	0.10
59.90	60.00	0.10
63.70	63.80	0.10
68.20	68.30	0.10

*** SUMMARY LOG ***

0.00	8.10	OVERBURDEN
8.10	11.50	QTZ-SER-CHL (GRAPHITE) SCHIST, RIBBON BANDED
11.50	13.40	FELSIC TUFF, LAPILLI
13.40	15.30	FELSIC TUFF
15.30	15.60	QTZ-SER-CHL (GRPH) SCHIST
15.60	20.90	FELSIC TUFF
20.90	22.60	QTZ-SER-CHL (GRPH) SCHIST
22.60	24.30	FELSIC DYKE (INTRUSIVE)

Checked and signed: _____ Date: _____

HOLE NO: K97-177 SECTION: GRID:

24.30	25.60	QTZ-SER-CHL (GRPH) SCHIST
25.60	27.10	ARGILLITE/PHYLLITE
27.10	34.60	QTZ-SER-CO3 SCHIST
34.60	35.00	FAULT
35.00	36.70	QTZ-SER-CHL (GRPH) SCHIST
36.70	37.50	FX FRAGMENTAL
37.50	38.00	QTZ-SER-CHL (GRPH) SCHIST
38.00	38.90	FZ GRANULAR
38.90	39.40	QTZ-SER-CHL (GRPH) SCHIST
39.40	42.30	FZ RIBBONED
42.30	45.30	QTZ-SER-CHL (GRPH) SCHIST
45.30	49.80	FX GRANULAR
49.80	52.00	FX RIBBONED
52.00	57.10	FX RIBBONED QTZ-SER-CO3 SCHIST
57.10	58.60	FX RIBBONED
58.60	59.50	QTZ-SER-CHL (GRPH) SCHIST
59.50	60.50	FX RIBBONED
60.50	60.70	FAULT
60.70	68.90	FZ RIBBONED
68.90		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	8.10	Overburden	S	S					
8.10	11.50	Qtz-Ser-Chl (Graphite) Schist, Ribbon Banded Medium grey unit comprised of thin interbedded to laminated, light grey, weakly Fecarbonate altered, quartz-ser+chl schist (tuff) and lesser dark grey, chl+graphite seams (argillaceous material). Bedding is strongly transposed parallel S2, but well preserved. From 8.6-9.1m are grey tuffaceous siltstone with argillaceous partings. From 9.1-10.0m, thin silty argillite with argillaceous, S2 parallel seams and silica-pyrite bands and clots containing 10-20%, fine to medium-grained pyrite, predominate. Thin bedded felsic tuff, with possible siliceous lapilli, become more abundant towards the lower contact. At 11.0m, a thin quartz-calcite-pyrite veinlet with 1-2% fine diseminated galena and trace -1% chalcopyrite is present.	S	S	0.01				
11.50	13.40	Felsic Tuff, Lapilli Medium green grey, interbedded, Fecarbonate altered lapilli tuff/crystal tuff comprising sericite-quartz-chlorite-carbonate schist containing quartz-carbonate altered feldspar crystals/lapilli(?) and fine-grained to wispy clots/fragments of pyrite-pyrhotite (nearly completed oxidized). Fine-grained, interbedded, granular felsic tuffs and quartz crystal tuffs are present from 12.4-12.8m. From 12.8-13.4m, the unit appears more more fragmental.	G	S	5.00	5.00			
13.40	15.30	Felsic Tuff Medium green grey to grey, thin to medium bedded, fine-grained granular quartz crystal rich tuff and more glassy(?) sericitic tuff. Rare argillaceous partings/seams are present over the basal 0.7m. Unit is oxidized along fractures only.	S	G	0.01				
15.30	15.60	Qtz-Ser-Chl (Grph) Schist Mixed interval of dark grey, disrupted, siliceous argillite with lesser interbedded felsic tuff, as above. 15.30-17.20 Fault Broken interval with possible fault zone at 16.2-16.4m.			0.01				
15.60	20.90	Felsic Tuff Medium green grey sequence of fine-grained sericite-quartz ash tuffs with medium interbeds of locally normally graded(?), fine lapilli/crystal rich tuff containing occasional bluish quartz crystals and quartz-carbonate altered feldspar(?) set in a ser+chl-quartz groundmass. Between 15.6-19.0m unit comprises dominantly thick bedded crystal and lapilli tuffs. These tuffs often contain 5% wispy disseminated pyrhotite-pyrite and pyrite as fine, late fracture fillings. Unit is strongly ser+chl altered containing possible bluish grey albite porphyroblasts (up to 2.5mms) and 5% pyrhotite and trace chalcopyrite as blebby disseminations from 20.1-20.5m; alteration extends to 21.0m.	S	S	1.00	5.00			

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DRILL LOG

K97-177

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
20.90	22.60	Qtz-Ser-Chl (Grph) Schist As above; thin laminated siliceous argillite at 21.0m.	S	S	0.01				
22.60	24.30	Felsic Dyke (Intrusive) Similar to interval 15.6-20.9m; granular to locally lapilli textured and fecarbonate altered sericite-qtz+chl schists; pyrhotite-pyrite occur as fine grained to wispy disseminations (variably oxidized).	S	S	1.00	5.00			
24.30	25.60	Qtz-Ser-Chl (Grph) Schist As above; tuffaceous interbeds are variably fecarbonate altered; bedding is strongly transposed parallel to S2 and unit is cut by locally abundant qtz+cc-pyrite veinlets.	S	S	0.01				
25.60	27.10	Argillite/Phyllite Dark grey to medium-light grey interval of very siliceous, variably carbonaceous argillite with abundant quartz-py+po-chalcopyrite-sphalerite bands/veinlets and deformed/disrupted clots with diffuse outlines and minor interbeds of felsic tuff. Graphite is present on S2 foliation planes. This unit likely represents the surface UTEM anomaly. Lower contact is a sharp thin fault.	S	S	10.00	2.00	0.01		0.01
27.10	34.60	Qtz-Ser-CO3 Schist Light yellowy green interval of predominantly siliceous, shear banded (ribboned) quartz-ser+cc schists. From 27.1-29.4m unit is very siliceous and weakly ribboned with trace pyrhotite-pyrite disseminations. From 29.4-33.1m unit is more granular, sericitic and cut by abundant quartz-calcite veinlets making this interval weakly calcareous. Fecarbonate alteration is locally strong ie. 32.6-32.8m. From 33.1-34.6m unit is very siliceous with a more ribboned/sheared texture and containing numerous quartz-py+sp+cpy+rare galena veinlets/veins/bands up to 2cms at 34.1m. These veins typically contain 20-40% sphalerite and 15-25% pyrite as fine-grained ,recrystallized disseminations. Overall, the pyrite content is trace-2% with trace sphalerite. 27.10-28.70 Fault Broken interval; fault gouge at 28.6-28.7m. 29.30-30.00 Fault Broken interval with minor fault gouge.			1.00	0.01			
34.60	35.00	Fault Lost core; fault gouge and crushed felsics.	S	S					
35.00	36.70	Qtz-Ser-Chl (Grph) Schist	S	S	2.00	3.00			0.01
36.70	37.50	FX Fragmental Ser-qtz+chl schist with locally numerous light grey to whitish silica+carbonate fragments, particularily towards the top of the unit. Towards the base, unit becomes more massive and granular with increased chlorite content likely reflecting some minor argillaceous component. Po occurs as fine blebby	S	S	0.01	2.00			

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		disseminations.							
37.50	38.00	Qtz-Ser-Chl (Grph) Schist As above; locally with interbedded/banded silty argillite, siltstone and sericitic, sericite-quartz interlaminations. Low sulphide content.	S	S					
38.00	38.90	FZ Granular Granular, quartz phyric quartz-ser+carbonate schist containing up to 20%, grey quartz crystals, <1mm. Unit is bedded with thin aphyric tuff interbeds over the top 10cms and an interval over the basal 30 cms. Basal 20 cms contain disseminated and blebby chalcopyrite-pyrhotite and increased carbonate alteration.	S	S	0.01	5.00	0.01		
38.90	39.40	Qtz-Ser-Chl (Grph) Schist As above.	S	G		0.01			
39.40	42.30	FZ Ribboned Light green sericite-quartz, ribbon banded schist cut by qtz+cc-pyrite veins.	G	G	0.01	1.00			
42.30	45.30	Qtz-Ser-Chl (Grph) Schist Dark grey sequence comprising interbanded dark grey chl+graphite (argillite) and grey quartz-sericite (felsic tuffaceous siltstone) with interlaminated, green ser+chl-quartz (tuffaceous material). Bedding is strongly folded and transposed parallel S2. Between 44.3-45.1m, unit comprises more massive bedded tuffaceous siltstones.	G	G	0.01	0.01			
45.30	49.80	FX Granular Dark to medium green grey, blebby granular to locally weakly banded/ribboned, siliceous quartz-ser+chl schists. Disrupted/fragmented qtz+cc veins are present throughout.	G	G		1.00			
49.80	52.00	FX Ribboned Very similar to above unit-very siliceous quartz-sericite schists; however, banded/ribboned textures predominate. Chl+graphite seams are locally present (almost Qtz-Ser-Chl (Grph) Schist). Banding is generally parallel to the ca.	G	G		0.01			
52.00	57.10	FX Ribboned Qtz-Ser-CO3 Schist As above-still very siliceous with well banded/ribboned (thin bedded) textures, but more of a light green grey colouration reflecting increased ser+carbonate content. Banding/bedding approximately parallel to ca.	S	S		1.00			
57.10	58.60	FX Ribboned As above.	G	G		0.01			
58.60	59.50	Qtz-Ser-Chl (Grph) Schist As above.	G	G	0.01	1.00			
59.50	60.50	FX Ribboned As above.	G	S		0.01			

Kudz Ze Kayah
DRILL LOG

K97-177

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
60.50	60.70	Fault Fault gouge and broken and oxidized core.	S	S					
60.70	68.90	FZ Ribboned Light to medium green grey, banded/ribboned quartz-sericite (rare chlorite) schists containing trace-1%, blue grey quartz crystals (<2mms) scatteresd throughout. Unit is cut by S0/S1 parallel quartz-py+cc bands/veins containing 20-40% fine to medium-grained pyrite disseminations. Rare sphalerite occurs in quartz-calcite-pyrite veinlets at 63.0m.	S		5.00	0.01			

*** END OF HOLE *** 68.90

093848

HOLE NO: K97-178 SECTION: GRID:

PROJECT CODE :KUDZ ZE KAYAH
TENEMENT :TAG
PROSPECT :
GRID :
MAP REFERENCE :NTS 105 G 7
LOCATION :YUKON
HOLE TYPE :

*** COLLAR COORDINATES AND RL ***

NOMINAL	5250.00mN	5250.00mE	0.00RL

Pre-collar depth: Final depth: 359.70

Purpose of hole: TEST UP DIP OF K97-173.
Hole status:
Comments:

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	180.00	-60.00
12.50	177.20	-60.00
73.40	179.50	-60.00
157.30	171.50	-60.80
218.20	159.30	-61.70
279.20	160.20	-62.70
340.10	179.20	-61.20

*** SUMMARY LOG ***

0.00	4.50	OVERBURDEN
4.50	6.30	MAFIC TUFF MAFIC SILL
6.30	11.40	WACKER/ARKOSE ARGILLITE/PHYLLITE
11.40	12.50	MAFIC TUFF MAFIC SILL
12.50	12.80	WACKER/ARKOSE MAFIC TUFF

*** DRILLING SUMMARY ***

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

*** SIGNIFICANT ASSAYS ***

From	To	Width
11.50	11.60	0.10
23.20	23.30	0.10
28.50	28.60	0.10
37.40	37.50	0.10
48.20	48.30	0.10
55.10	55.20	0.10
73.20	73.30	0.10
86.50	86.60	0.10
89.60	89.70	0.10
104.40	104.50	0.10
121.50	121.60	0.10
130.20	130.30	0.10
135.70	135.80	0.10
144.70	144.80	0.10
157.20	157.30	0.10
171.30	171.40	0.10
173.10	173.20	0.10
180.70	180.80	0.10
203.80	203.90	0.10
215.70	215.80	0.10
225.90	226.00	0.10
237.40	237.50	0.10
244.60	244.70	0.10
262.30	262.40	0.10
279.20	282.10	2.90
287.10	299.70	12.60
325.90	326.00	0.10
344.40	344.50	0.10

Checked and signed: _____ Date: _____

HOLE NO: K97-178 SECTION: GRID:

120.20	127.80	CHLORITE/SER/QTZ/SCHIS T SERICITE/CHL/CC SCHIST
127.80	130.00	FX FRAGMENTAL
130.00	130.60	FX GRANULAR
130.60	132.80	FELSIC FLOW
132.80	135.60	FX FRAGMENTAL
135.60	141.70	BI/SER/QTZ/CHL SCHIST CHLORITE/SER/QTZ/SCHIS T
141.70	142.40	FX RIBBONED
142.40	143.30	FELSIC FLOW
143.30	146.60	FX QUARTZ PHYRIC
146.60	148.20	BI-RICH SCHIST CC+/-QTZ SCHIST
148.20	148.80	FX GRANULAR
148.80	149.20	BI-RICH SCHIST CC+/-QTZ SCHIST
149.20	161.80	FX GRANULAR
161.80	164.90	QTZ-SER-CHL (GRPH) SCHIST
164.90	169.40	FX FRAGMENTAL
169.40	171.90	FX GRANULAR
171.90	173.80	WACKER/ARKOSE ALTERATION-TYPICAL WEAK
173.80	174.20	CHL/SER/CC(BI) SCHIST
174.20	175.60	FX FRAGMENTAL
175.60	176.70	WACKER/ARKOSE
176.70	178.30	FX FRAGMENTAL
178.30	183.20	FX GRANULAR
183.20	188.20	FAULT
188.20	193.50	FX FRAGMENTAL
193.50	200.20	FX GRANULAR
200.20	200.50	FAULT
200.50	207.80	FX FELDSPAR PORPHYROBLASTIC
207.80	210.80	MU - FECARBONATE PORPHYROBLASTS
210.80	214.90	FX GRANULAR
214.90	216.50	CHLORITE/CALCITE/BIOTIT E SCHIST
216.50	221.20	FX GRANULAR
221.20	221.60	CHLORITE/CALCITE/BIOTIT E SCHIST
221.60	227.90	FX GRANULAR

Checked and signed: _____ Date: _____

HOLE NO: K97-178 SECTION: GRID:

227.90	240.00	WACKER/ARKOSE ALTERATION-TYPICAL WEAK
240.00	242.80	FX GRANULAR
242.80	244.00	VEIN
244.00	247.80	FZ - QUARTZ PHYRIC
247.80	258.50	FX GRANULAR
258.50	279.20	FZ GRANULAR
279.20	282.10	HEAVILY DISS SX IN FZ - BANDED
282.10	287.10	FZ - BANDED
287.10	289.70	WACKER/ARKOSE
289.70	319.40	QTZ-SER-CO3 SCHIST ALTERATION-YELLOW SERICITE
319.40	338.40	QTZ-SER-CO3 SCHIST
338.40	359.70	FX FRAGMENTAL
359.70		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	4.50	Overburden		S					
4.50	6.30	Mafic Tuff Mafic Sill Medium green massive foliated fine-grained chlorite-calcite schist with abundant thin quartz-calcite veins. Sulphides are weakly oxidized; interval is badly broken.		S	0.01	1.00			
6.30	11.40	Wacker/Arkose Argillite/Phyllite Dark grey, thin bedded to laminated sequence of medium to dark grey, calcareous siltstone (limy siltstone/limestone), black moderate to strongly carbonaceous argillite and lesser mafic epiclastic/tuffaceous material shed into sediments. Cc-quartz veinlets are variably transposed/folded by S2. Po-pyrite occur predominantly as fine disseminations within calcite-quartz veinlets and are weakly oxidized. 6.30-7.00 Fault Badly broken interval; some mud/cave present. 11.00-11.40 Fault Badly broken interval.	S	S	3.00	3.00			
11.40	12.50	Mafic Tuff Mafic Sill Medium green massive foliated fine-grained chlorite-calcite schist with abundant thin quartz-calcite veins; as above.	S	S	0.01	1.00			
12.50	12.80	Wacker/Arkose Mafic Tuff As above; more greenish mafic epiclastic/tuffaceous component.	S	S	3.00	3.00			
12.80	13.00	Mafic Tuff Mafic Sill As above.	S	S	0.01	1.00			
13.00	22.10	Argillite/Phyllite Wacker/Arkose Dark grey, thin bedded to laminated sequence of black moderate to strongly carbonaceous, locally weakly calcareous argillite and lesser medium to dark grey, calcareous siltstone (limy siltstone/limestone) and mafic epiclastic/tuffaceous material. Argillite predominates between 15.2-20.6m. Cc-quartz veinlets are variably transposed/folded by S2. Po-pyrite occur predominantly as fine disseminations within calcite-quartz veinlets and are weakly oxidized. 15.20-16.00 Argillite/Phyllite More argillaceous interval. 16.00-18.00 Quartzite Interbedded light to medium grey quartzite/quartz wacke, green mafic tuff, dark grey chert and non calcareous siltstone/argillite. 18.00-20.60 Seds Non calcareous, dark grey to black, siliceous argillite predominates. Interval is badly broken with poor recovery and oxidized fractures and sulphides. 20.60-22.10 Argillite/Phyllite Weak to moderately calcareous argillite/siltstone with occasional quartz-calcite veinlets.	S	G	3.00	3.00			

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		21.20-21.40 Fault Broken interval with poor recovery and oxidation of fractures and disseminated sulphides.							
22.10	24.30	Mafic Tuff As above; gradational upper contact suggests a tuffaceous protolith.	G	S					
24.30	25.50	Argillite/Phyllite Wacker/Arkose Generally calcareous, strongly foliated/tranposed silty argillite and mafic epiclastic/tuffaceous interbeds. 24.80-25.50 Fault Broken interval.	S	S	1.00	1.00			
25.50	25.60	Mafic Sill Thin medium green chlorite-calcite schist with banded calcite-quartz veinlets.	S	S		0.01			
25.60	26.60	Argillite/Phyllite Wacker/Arkose As above; weak to mkoderately calcareous. Thin fault gouge at 25.7m.	S	S					
26.60	27.00	Mafic Tuff Wacker/Arkose Reworked quartz-chl+cc-biotite schist (mafic tuffaceous wacke) with well preserved granular base grading normally into a chlorite-calcite-quartz fine-grained top.	S	S		0.01			
27.00	27.70	Argillite/Phyllite Wacker/Arkose As above.	S	G					
27.70	28.00	Argillite/Phyllite Non calcareous, massive, black siliceous argillite/silty argillite.	G	S					
28.00	29.40	Felsic Tuff Thin bedded to laminated to sheared/foliated, quartz-chl+ser schist with pyrhotite occuring as blebby to fine-grained disseminations throughout. Both upper and lower contacts are gradational over 10 cms and involve increasing carbonaceous argillite partings. Lower 70 cms are oxidized.	S	G		1.00			
29.40	31.70	Seds Dark grey siliceous, thin bedded to laminated silty argillite/siltstone (non calcareous). Includes 2 intervals of siltstone/quartzite; upper bed (30.1m) is a normally graded, 5 cm thick, fine conglomerate; lower interval (30.2-30.5m) is a ribbon banded siltsone/quartzite with several argillite rip-ups near the top (overturned?). From 30.1-31.7m, unit comprises dominantly dark grey to black, broken, variably siliceous and carbonaceous argillite.	G	S	0.01	0.01			
31.70	32.50	Felsic Tuff As above; also broken and oxidized.	S	S		1.00			
32.50	35.50	Seds Dark grey to black, broken, variably siliceous and carbonaceous argillite. Lower contact is sheared/crushed over 20 cms.	S	S	0.01	0.01			
35.50	36.00	Felsic Tuff, Crystal Medium grey interval of blue quartz crystal phyric, felsic tuff with an argillaceous component to the matrix. Represents a transition from the fine sedimentary sequence to felsic volcanism.	S	S					

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
36.00	42.20	Felsic Tuff Medium grey, massive, granular homogenous quartz-chlorite-bi+ser schist. Locally thin interbanded/bedded defined by varying proportions of quartz-chlorite-biotite. Po occurs as occasional wispy disseminations and as blebby disseminations within quartz-chl+cc-biotite veins. No quartz crystals were noted.	S	G		1.00			
42.20	43.50	Felsic Tuff, Lapilli As above; more fragmental textured and siliceous, locally taking on a banded texture (flattened lapilli) 43.00-43.50 Fault Broken interval with fault gouge at 43.4-43.5m.	G	G	0.01	1.00			
43.50	47.90	Felsic Tuff Massive to weakly banded/bedded granular tuff, as above, with locally abundant quartz-carbonate+bi lapilli. 46.30-46.40 Fault Fault gouge at 72 to ca.	G	G	0.01	1.00			
47.90	49.10	Felsic Tuff, Lapilli As above; banded to lapilli textured tuff with locally abundant, diffuse qtz+cc fragments.	G	G					
49.10	55.00	Felsic Tuff As above; calcite-quartz-pyrhotite vein with 30% fine to blebby disseminated pyrhotite occurs at 50. 2m. 49.50-51.20 Fault Broken interval; mislatch and lost core from 50.6-51.2m.	G	G	0.01	1.00			
55.00	68.40	Felsic Tuff, Lapilli As above; non biotitic interval with fragments composed of whitish quartz-cc; locally crudely banded.	G	S	0.01	0.01			
68.40	69.00	Quartz Vein Coarse-grained qtz+cc-sericite vein.	S	S					
69.00	73.80	Felsic Tuff, Lapilli Strongly sheared and crushed interval of chlorite-sericite-qtz+bi-calcite schists likely representing Felsic Tuff, Lapilli, as above. Increasing chlorite-sericite alteration reflects effect of faulting. From 73.6-73. 7m, very fine-grained pyritic veinlets/fracture fillings are common. 69.00-69.50 Fault Lost core; strong gouge present. 70.80-70.90 Fault Weakly gouged and crushed interval. 72.30-72.40 Fault Weakly gouged and crushed interval. 73.50-73.80 Fault Weakly gouged and crushed.							

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
			S	S					
73.80	75.50	Quartz Vein As above.	S	S	0.01				
75.50	86.00	Felsic Flow Light to medium creamy grey coloured, very fine-grained very siliceous, masive homogenous flow/sill with rare clear quartz phenocrysts (<0.5mms), clear quartz filled flattened amygdules and fracture fillings and cut by sericite-chlorite perlitic shaped fractures throughout. Py occurs as disseminations along seams/veins usually within gouged intervals. 78.00-79.90 Fault Strongly crushed and gouged Felsic Flow. 81.70-82.50 Fault Strongly crushed and gouged Felsic Flow. 84.20-84.70 Fault As above. 85.70-86.00 Fault As above.							
86.00	87.80	Felsic Tuff, Lapilli Felsic Tuff, Crystal Medium green grey to medium grey, sericite-quartz-chlorite-carbonate schist with abundant Fecarbonate altered lapilli (feldspar crystals?), locally rimmed by chlorite and set in a fine-grained matrix, with occasional bluish quartz crystals. Altered feldspar up to 1cm are equant to irregular in shape with relatively sharp edges. Sulphides occur as very fine disseminations and in quartz-calcite veinlets.	S	S	0.01	0.01			
87.80	87.90	Fault Fault gouge.	S	S		1.00			
87.90	88.10	Quartz Vein Qtz-chlorite-cc+bi-pyrhotite vein.	S	G					
88.10	91.00	Felsic Tuff Medium grey, weakly calcareous quartz-chlorite-sericite-calcite schist with fine-grained granular to locally fragmental/banded (quartz-calcite) textures, as in overlying intervals. Qtz crystals are present towards the base of this unit.	G	G		1.00			
91.00	93.50	FX Ribboned FX Fragmental More siliceous, silica banded/ribboned to psuedofragmental textured unit. A late S3 kink fabric is evident at high angles to S2.	G	S					
93.50	94.40	FX Quartz Phyric Qtz-feldspar(Fecarbonate-quartz altered?) phyric quartz-sericite-chlorite schist (tuff /porphyry?). Blue quartz are abundant up to 2mms while feldspar range up to 5mms.							

Kudz Ze Kayah
DRILL LOG

K97-178

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
94.40	99.30	Qtz-Ser Schist +/-Chl, Bi, CO3 Medium grey green chlorite-sericite-quartz-calcite schist with locally abundant quartz-calcite fragments/fragmented veinlets, fine <1.5mm Fecarbonate porphyroblasts and intervals of biotite porphyroblasts. Interval has a slight mafic look due to chlorite-calcite alteration.	S	G		0.01			
99.30	102.60	Felsic Tuff Fine-grained massive chlorite-quartz-sericite schist with quartz-calcite veinlets. Po is more common occuring as wispy disseminations throughout.	G	G		1.00			
102.60	108.20	FX Ribboned Ribbon to disrupted/fragmented, white to grey quartz within a quartz-ser+chl schist with wispy to fine-grained pyrhotite disseminations throughout. Unit becomes increasingly fragmental and blue quartz bearing from 104-108.2m. Increased chlorite-sericite altered from 107.7-108.2m. Thin fault gouge at 106.1-106.2m and 107.1m. Basal contact is gouged. 107.50-107.70 Quartz Vein Coarse-grained qtz+cc vein.	G	S		1.00			
108.20	112.50	Bl-Rich Schist CC+/-Qtz Schist CHL/SER/CC(Bl) Schist Fine-grained, brown grey, weak to moderately calcareous chlorite-sericite-biotite-cc+qtz schist (mafic sill/dyke?). Lower contact is gouged. 109.20-109.50 Fault Weakly crushed and gouged interval. 109.80-110.60 Quartz Vein Broken and locally sheared qtz+cc-chlorite vein. 110.60-110.80 Fault Weakly crushed and gouged interval.	S	S					
112.50	120.20	FX Quartz Phyric Medium grey green, chloritic and Fecarbonate altered, quartz (tr-10%, blue grey, <1-5mms)-feldspar(50%, quartz-Fecarbonate altered, 2-10mms) crystal/phenocryst phyric tuff/porphyry(?); as above. Top 0.5m appears to be a chilled fine-grained quartz-chlorite margin. Unit becomes more siliceous and less quartz phyric from 116.9-120.2m. Po occurs largely as fine-grained disseminations within quartz-calcite veinlets.	S	G		0.01			
120.20	127.80	Chlorite/Ser/Qtz/Schist Sericite/Chl/CC Schist Medium grey green, fine-grained massive homogenous chlorite-qtz+cc schist with occasional diffuse, blebby quartz-calcite fragments/fragmented veinlets. Unit is weakly calcareous. Po occurs as fine-grained and wispy blebby disseminations. Py occurs as late fine fracture filllings.	G	S	0.01	1.00			
127.80	130.00	FX Fragmental Similar to porphyry; however, no quartz crystals are present. Unit comprises chl+ser-quartz schist with quartz-calcite streaks and fragments(feldspar?); possibly an altered feldspar porphyry. 128.20-129.80 Fault Broken and weakly gouged interval with poor recovery.	G	G	1.00	0.01			

Kudz Ze Kayah
DRILL LOG

K97-178

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
130.00	130.60	FX Granular As above.	G	G					
130.60	132.80	Felsic Flow Light grey to white, very fine-grained, siliceous, massive, homogenous, broken and fractured unit with clear silica veinlets and cut by thin quartz-calcite-pyrhotite-pyrite veinlets.	S	S	0.01	1.00			
132.80	135.60	FX Fragmental As above with locally developed ribbon banded textures. Po occurs as disseminations and quartz-calcite-po+py veinlets.	S	S	0.01	1.00			
135.60	141.70	BI/SER/QTZ/CHL Schist Chlorite/Ser/Qtz/Schist Dark grey green to dark to medium brown chlorite-sericite-qtz+cc-biotite schist and biotite-ser+cc-quartz banded schists. Bi occurs as very fine-grained matrix and as fine porphyroblasts. Unit shows good banded textures. Po occurs as blebby disseminations, particularly along the upper contact and within quartz-calcite veins.	S	S		1.00			
141.70	142.40	FX Ribboned Weakly crushed and gouged, thin banded qtz+cc in chlorite rich groundmass.	S	S					
142.40	143.30	Felsic Flow As above; but more banded (either felsic sills/dykes cutting sericite-chlorite altered tuff or brecciated felsic flow/sill?).	S	S					
143.30	146.60	FX Quartz Phyric As above; contains blue quartz and variably Fecarbonate-quartz altered feldspar set in a sericite-chlorite-qtz+cc matrix (Felsic Tuff, Crystal or porphyry?).	S	S					
146.60	148.20	BI-Rich Schist CC+/-Qtz Schist Fine-grained biotite-calcite-ser/chl schist with possible calcite amygdules.	S	S					
148.20	148.80	FX Granular Fine-grained, siliceous, massive, granular to locally quartz crystal bearing and fragmental to banded textured ser/chl-qtz+cc-biotite schist. Po locally abundant (1-3%) as blebby disseminations.	S	S		0.01			
148.80	149.20	BI-Rich Schist CC+/-Qtz Schist As above.	S	S					
149.20	161.80	FX Granular As above; generally siliceous, massive with locally variable textures.	S	G		0.01			
161.80	164.90	Qtz-Ser-Chl (Grph) Schist Medium grey quartz-sericite-chl+graphite schist comprising medium to light grey quartz-sericite-chlorite schist with qtz+ser lapilli (up to 1cms and 20%) or fragmented bands and minor, S2 parallel chl+graphite partings. Unit represents mixed felsic epiclastics and minor argillaceous sediments. Po and trace pyrite occur as blebby disseminations which appear to concentrate in argillaceous intervals.	G	G	0.01	2.00			

Kudz Ze Kayah
DRILL LOG

K97-178

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
164.90	169.40	FX Fragmental Medium green grey quartz-ser+chl+bi schist with abundant quartz-carbonate clots/fragemts(?) with diffuse edges distributed throughout.	G	G		1.00			
169.40	171.90	FX Granular As above but with fewer silica-carbonate fragments. Unit is locally weakly green chlorite mottled with trace biotite.	G	G		0.01			
171.90	173.80	Wacker/Arkose Alteration-Typical weak Medium greenish grey sericite-qtz+chl-biotite schist with 5-40% green chlorite-quartz mottles with weak biotite rims (Alteration-Typical weak?).	G	S	0.01	1.00			
173.80	174.20	CHL/SER/CC(BI) Schist Very fine-grained, light to medium green sericite-chl+cc+bi schist with quartz-calcite-chlorite-biotite veinlets imparting a banded texture.	S	S		2.00			
174.20	175.60	FX Fragmental As above.	S	G					
175.60	176.70	Wacker/Arkose As above.	G	S					
176.70	178.30	FX Fragmental As above.	S	G					
178.30	183.20	FX Granular As above; perhaps more chloritic. 181.60-182.10 Fault Broken weakly gouged interval with quartz-calcite veins.	G	S					
183.20	188.20	Fault Crushed/gouged interval with good recovery; includes crushed quartz veins. Foliations at 35 and 37 to ca.	S	S					
188.20	193.50	FX Fragmental Medium green chlorite-qtz+bi+cc schist containing quartz and quartz-sericite, diffuse fragments (10-15%, up to 8mms). Bi occurs as fine-grained 1-10% disseminated porphyroblasts; calcite occurs as fine disseminations throughout making this interval very weakly calcareous. 188.20-193.10 Fault Strongly chloritic and broken interval with numerous gouge seams, especially between 192.0-191.8m.	S	G	0.01	0.01			
193.50	200.20	FX Granular As above, but diffuse siliceous fragments are not present. Thin gouge at 198.5m; lower contact is also gouged.	G	S	0.01	0.01			
200.20	200.50	Fault Crushed and weakly gouged zone.	S	S					

Kudz Ze Kayah
DRILL LOG

K97-178

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
200.50	207.80	FX Feldspar Porphyroblastic Broken interval of medium apple green grey sericite-quartz-chlorite schist with 10% white silica altered, equant feldspar porphyroblasts (up to 5mms), giving unit a speckled texture. Numerous quartz-cc+py veinlets present throughout. 200.50-201.30 Fault Broken with local shearing/gouge. 202.00-202.70 Fault Several thin gouge seams throughout. 204.20-207.80 Fault Badly broken to rubbly core; several gouge zones at 204.2-204.8m; lost core at 205.5-206.2m and 207.3-207.6m.			0.01	0.01			
207.80	210.80	MU - Fecarbonate Porphyroblasts Fine-grained, masive, homogenous chlorite-biotite-cc+qtz schist with Fecarbonate porphyroblasts (up to 3mm, 15-20%).	S	S	0.01	0.01			
210.80	214.90	FX Granular Medium green, very siliceous and granular quartz-sericite(light grey)-chl+cc schist with silica rich bands and disrupted bands. Qtz-cc+py-pyrhotite veinlets and fragmented veinlets are locally abundant.	S	S	0.01	0.01			
214.90	216.50	Chlorite/Calcite/Biotite Schist Fine-grained, massive chlorite-biotite-calcite schist with quartz-calcite veinlets. Upper contact is gouged.	S	S					
216.50	221.20	FX Granular As above; very siliceous, massive, granular to ribbon banded with weak chlorite rimming quartz-calcite veinlets (not quite mottled). Po-pyrite occur as fine-grained to wispy disseminations.	S	S	0.01	1.00			
221.20	221.60	Chlorite/Calcite/Biotite Schist As above.	S	S					
221.60	227.90	FX Granular Medium green grey, massive sericitic sericite(grey-white)-quartz-calcite-chlorite schist; not as siliceous as overlying FX Granular. 224.10-224.40 Fault Broken and gouged interval.	S	G	0.01	0.01			
227.90	240.00	Wacker/Arkose Alteration-Typical weak Medium browny green grey, sericite(grey-white)-quartz-chlorite-biotite schist with weakly ribboned silica textures and chlorite-bi+cc mottles/bands (Alteration-Typical weak?). Unit contains rare scattered blue quartz crystals throughout. Strongly mottled to crudely banded chlorite-quartz-bi+cc from 227.9-234.8m and 236.2-240.0m. Po occurs as disseminations within quartz-calcite veinlets and within chlorite-quartz-biotite patches.	G	G	0.01	2.00			

Kudz Ze Kayah
DRILL LOG

K97-178

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		230.60-231.70 vein Qtz-tourmaline+bi-calcite-pyrite vein near parallel to ca with bleached alteration halo. Also at 235.4-235.5m and at 235.8m.							
240.00	242.80	FX Granular Fine-grained, granular massive to weakly ribbon banded, blue quartz phyric quartz-sericite-chlorite schist conatining trace-5%, <4mms quartz crystals. Po occurs with pyrite in quartz-sericite-+cc patches and bands as 10-30% fine to medium-grained disseminations. Qtz-calcite-pyrite veins are present.	G	S	1.00	2.00			
242.80	244.00	vein Qtz-calcite-pyrhotite-py+chl-sericite cutting very siliceous qtz+chl Felsic Flow or silica flooded Qtz-Ser Schist +/-Chl, Bi, CO3?	S	S					
244.00	247.80	FZ - Quartz Phyric Light ot medium green grey, weak to moderately Fecarbonate altered sericite(grey to white)-quartz schist with occasional chlorite porphyroblasts and abundant bluish quartz crystals scattered throughout. Locally qtz+ser clots/fragments and occasional fine ribbon banded silica textures are present. Py-pyrhotite occurs as locally heavy disseminations within and adjacent to qtz+cc veinlets. 246.00-246.50 vein Qtz-calcite-chlorite-pyrite-pyrhotite, quartz-pyrite-pyrhotite and late pyrite veins and veinlets are present with trace sphalerite occuring in quartz-calcite veinlets. 247.60-248.30 Fault Broken interval.	S	G	3.00	5.00			
247.80	258.50	FX Granular Medium grey, granular quartz-sericite-chlorite schist, as above, with abundant quartz-calcite fragmented veinlets. 250.00-252.60 Fault Broken interval with numerous thin gouge zones. Lost core with gouge developed at 251.8-252.6m. 254.40-254.80 Fault Weakly crushed interval. 256.50-258.40 Fault Poor recovery; gouged interval.	G	G	1.00	1.00			
258.50	279.20	FZ Granular Light greeny grey, broken sericite-quartz schist. Unit becomes more siliceous and bluish grey coloured (quartz-sericite-chlorite) with very fine-grained disseminated pyrhotite and with pyrite as late fracture fillings from 265.1-271.3m. From 271.3-276.6m, unit appears to be increasingly Fecarbonate-sericite altered locally overprinting Wacker/Arkose textures.	G	S	5.00	3.00			

Kudz Ze Kayah
DRILL LOG

K97-178

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		258.80-258.90 vein Qtz-calcite-chlorite-biotite-sericite vein with 2-5% fine-grained disseminated pyrhotite. 259.70-260.80 Fault Very broken and gouged interval with lost core. 263.30-264.10 Fault Very broken and gouged interval with lost core. 264.90-265.10 Fault Fault gouge zone. 272.60-273.00 Fault Fault gouged zone. 274.50-275.50 Fault Gouged and broken zone. 276.50-279.40 Fault Very bad recovery; fault gouged.							
279.20	282.10	Heavily Diss SX in FZ - Banded Medium to light grey unit comprised of interbanded light green ser+chl, white quartz, light grey white to light green quartz-ser+chl+cc and 15-25% dark grey quartz-pyrite. Dark quartz-pyrite bands are up to 5cms thick and contain up to 50% fine-grained disseminations of pyrite and locally trace sphalerite (281.7m). Unit is strongly broken, folded and locally gouged. 282.00-282.10 Fault Thin fault gouge.	S	G	10.00	2.00			
282.10	287.10	FZ - Banded Light to medium greenish grey, quartz-sericite schists with disrupted/fragmented quartz-calcite veinlets. Abundant quartz-pyrite bands, as above, from 282.2-282.5m. 283.00-283.50 Fault Strong fault gouge. 283.80-285.40 Fault Strong fault gouge and crushed white quartz veins. 286.90-287.60 Fault Strong fault gouge.	G	S	5.00				
287.10	289.70	Wacker/Arkose Dark grey, laminated, weak to moderately carbonaceous, fine-grained siliceous wacke/siltstone containing locally abundant pyrite(very fine to fine-grained rextallized)-quartz laminations/veinlets. Unit cut by numerous thin quartz-calcite veinlets. 288.30-289.70 Fault Strong fault gouge; very poor core recovery.	S	S	5.00				
289.70	319.40	Qtz-Ser-CO3 Schist Alteration-Yellow Sericite Strongly sheared, fissile, weakly banded yellowy green grey sericite(yellowy green-waxy)-quartz schist. Banding parallel ca from 289.7-291.5m. 295.90-296.20 Fault	S	G	3.00				

Kudz Ze Kayah
DRILL LOG

K97-178

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		Broken and gouged zone. 297.00-298.30 Fault Broken and strongly gouged zone. 300.50-301.80 Fault Poor recovery; broken and gouged zone. 305.60-306.00 Fault Poor recovery; broken and gouged zone. 306.50-306.80 Fault Poor recovery; gouged and broken zone. 310.60-310.90 Fault Fault gouge. 314.20-324.60 Fault Qtz veined, fault gouged and broken and crushed interval.							
319.40	338.40	Qtz-Ser-CO3 Schist Light to medium greenish grey quartz-sericite schist, as above, but with a lower sericite content and greener sericite. Py-pyrhotite occurs as very fine-grained disseminations and in quartz-sulphide+cc veinlets and late fracture fillings. 330.30-338.40 Fault Strong fault gouge and sheared Qtz-Ser-CO3 Schist.	S	S	3.00	2.00			
338.40	359.70	FX Fragmental Medium green grey, fine-grained sericite-quartz-chl+bi schist with up to 15%, flattened, diffuse quartz-Fecarbonate clots/fragments up to 1.5cms. Unit has a slight tan colouration likely reflecting pervasive Fecarbonate alteration. Unit is broken and locally gouged and cut by occasional quartz-calcite-pyrite (trace galena at 343.9m) and biotite-quartz-calcite veinlets. 339.80-340.30 Fault Fault gouge. 342.10-343.10 Fault Fault gouge at 12 to ca. 345.80-346.30 Fault Fault gouge and crushed Qtz-Ser Schist +/-Chl, Bi, CO3. 346.90-347.60 Fault Fault gouge zone at 31 to ca. 348.60-348.90 Fault 350.60-350.90 Fault 358.40-359.70 Fault Very poor recovery; no gouge recovered - washed?	S	S					

*** END OF HOLE *** 359.70

Kudz Ze Kayah

HOLE NO: K97-179 | SECTION: L6150E | GRID: | K97-179

093848

PROJECT CODE : KUDZ ZE KAYAH
TENEMENT : TAG
PROSPECT :
GRID :
MAP REFERENCE : NTS 150 G
LOCATION : YUKON
HOLE TYPE : NQ

*** COLLAR COORDINATES AND RL ***

NOMINAL	4900.00mN	6150.00mE	0.00RL

Pre-collar depth: Final depth: 505.40

Purpose of hole: TO FIND SULPHIDES??
Hole status:

Comments:

*** DRILLING SUMMARY ***

DDH	0.00 502.30 NQ
Drill contractor:	DJ DRILLING
Drill rig:	LF 70
Date started:	31/5/97
Date finished:	6/6/97
Logged by:	VLB
Relogged by:	
Sampled by:	

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

*** SURVEY DATA ***

Survey Method: SPERRY SUN

Depth	Azimuth	Inclination
0.00	180.00	-86.00
76.20	176.00	-82.00
243.80	173.00	-76.50
320.00	172.00	-72.00
411.40	154.00	-71.00

*** SUMMARY LOG ***

0.00	3.10	OVERBURDEN
3.10	4.80	CHLORITE/CALCITE/BIOTITE SCHIST
4.80	6.70	PISTACHIO MICA/QTZ/SER SCHIST
6.70	8.30	CHLORITE/CALCITE/BIOTITE SCHIST
8.30	11.20	FAULT

*** SIGNIFICANT ASSAYS ***

From	To	Width
20.00	20.10	0.10
41.50	41.60	0.10
59.10	59.20	0.10
69.00	69.10	0.10
94.80	94.90	0.10
134.60	134.70	0.10
141.70	141.80	0.10
147.50	147.60	0.10
211.80	211.90	0.10
239.80	239.90	0.10
253.40	253.50	0.10
270.70	270.80	0.10
285.30	285.40	0.10
293.10	293.20	0.10
301.40	301.50	0.10
309.00	309.10	0.10
327.60	327.70	0.10
335.90	336.00	0.10
347.80	347.90	0.10
366.00	366.10	0.10
389.30	389.40	0.10
397.90	398.00	0.10
430.40	430.50	0.10

Checked and signed: _____ Date: _____

HOLE NO: K97-179 SECTION: L6150E GRID:

11.20	13.50	CHLORITE/CALCITE/BIOTITE SCHIST MAFIC TUFF
13.50	16.00	CHLORITE/CALCITE/BIOTITE SCHIST
16.00	17.60	CHLORITE/CALCITE/BIOTITE SCHIST
17.60	23.70	CHLORITE/CALCITE SCHIST
23.70	24.00	VEIN
24.00	27.60	ARGILLITE/PHYLLITE QUARTZITE
27.60	31.40	CHLORITE/CALCITE SCHIST
31.40	31.60	ARGILLITE/PHYLLITE BI/CHL/SER SCHIST
31.60	34.00	CHLORITE/CALCITE/BIOTITE SCHIST
34.00	34.20	FELSIC DYKE (INTRUSIVE)
34.20	36.30	CHLORITE/CALCITE/BIOTITE SCHIST
36.30	40.50	CHLORITE/CALCITE SCHIST
40.50	41.90	CHLORITE/CALCITE/BIOTITE SCHIST
41.90	44.60	CHLORITE/CALCITE SCHIST
44.60	45.30	FELSIC DYKE (INTRUSIVE)
45.30	47.50	MAFIC DYKE
47.50	47.90	FELSIC DYKE (INTRUSIVE)
47.90	49.10	MAFIC DYKE
49.10	49.70	CHLORITE/CALCITE SCHIST
49.70	51.30	FAULT
51.30	51.50	VEIN
51.50	52.80	FAULT
52.80	53.10	VEIN
53.10	53.50	CHLORITE/CALCITE/BIOTITE SCHIST
53.50	55.00	FAULT
55.00	58.20	CHLORITE/CALCITE/BIOTITE SCHIST
58.20	60.20	CHLORITE/CALCITE SCHIST CHLORITE/SERICITE/CALCITE SCHIST
60.20	64.20	CHLORITE/CALCITE/BIOTITE SCHIST
64.20	67.20	CHLORITE/CALCITE SCHIST
67.20	73.10	FX FRAGMENTAL
73.10	74.90	CHLORITE/CALCITE SCHIST
74.90	75.50	ARGILLITE/PHYLLITE

From	To	Width
452.80	452.90	0.10
471.70	471.80	0.10
483.40	483.50	0.10
485.80	485.90	0.10
496.30	496.40	0.10

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HOLE NO: K97-179 SECTION:L6150E GRID:

75.50	75.80	CHLORITE/CALCITE SCHIST
75.80	77.00	ARGILLITE/PHYLLITE
77.00	77.50	CHLORITE/CALCITE SCHIST
77.50	80.50	ARGILLITE/PHYLLITE
80.50	80.80	MAFIC DYKE
80.80	82.70	ARGILLITE/PHYLLITE
82.70	84.30	SERICITE/CHL/CC SCHIST
84.30	91.80	ARGILLITE/PHYLLITE
91.80	92.00	FZ GRANULAR
92.00	93.20	CHLORITE/CALCITE SCHIST
93.20	93.60	FZ GRANULAR FAULT
93.60	95.90	CHLORITE SCHIST
95.90	96.60	FZ GRANULAR
96.60	97.20	CHLORITE/CALCITE/BIOTITE SCHIST
97.20	98.30	CHLORITE/CALCITE SCHIST
98.30	98.70	FZ GRANULAR
98.70	100.60	ARGILLITE/PHYLLITE
100.60	100.70	FZ FRAGMENTAL
100.70	103.50	ARGILLITE/PHYLLITE FAULT
103.50	104.50	FZ GRANULAR FAULT
104.50	110.90	FAULT
110.90	111.20	CHLORITE/CALCITE/BIOTITE SCHIST
111.20	111.40	ARGILLITE/PHYLLITE
111.40	111.60	CHLORITE/CALCITE/BIOTITE SCHIST
111.60	112.60	ARGILLITE/PHYLLITE
112.60	112.80	CHLORITE/CALCITE/BIOTITE SCHIST
112.80	119.10	ARGILLITE/PHYLLITE
119.10	119.80	CHLORITE/CALCITE/BIOTITE SCHIST
119.80	120.40	ARGILLITE/PHYLLITE
120.40	120.60	CHLORITE/CALCITE/BIOTITE SCHIST
120.60	121.20	ARGILLITE/PHYLLITE CHLORITE/CALCITE/BIOTITE SCHIST
121.20	121.60	CHLORITE/CALCITE/BIOTITE SCHIST
121.60	130.70	ARGILLITE/PHYLLITE
130.70	131.50	CHLORITE/CALCITE/BIOTITE SCHIST
131.50	134.00	ARGILLITE/PHYLLITE

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HOLE NO: K97-179 SECTION:L6150E GRID:

134.00	135.70	CHLORITE/CALCITE/BIOTITE SCHIST
135.70	137.20	ARGILLITE/PHYLLITE
137.20	138.30	CHLORITE/CALCITE/BIOTITE SCHIST
138.30	140.20	ARGILLITE/PHYLLITE
140.20	143.00	FZ RIBBONED
143.00	146.50	ARGILLITE/PHYLLITE
146.50	149.10	FX FRAGMENTAL
149.10	153.30	CHLORITE SCHIST CHLORITE/CALCITE/BIOTITE SCHIST
153.30	153.60	QUARTZ VEIN
153.60	155.00	CHLORITE/CALCITE/BIOTITE SCHIST
155.00	155.30	LIMESTONE/MARBLE
155.30	155.90	ARGILLITE/PHYLLITE
155.90	156.00	MAFIC DYKE
156.00	160.10	ARGILLITE/PHYLLITE
160.10	160.30	MAFIC DYKE
160.30	160.90	ARGILLITE/PHYLLITE
160.90	161.50	CHLORITE/CALCITE/BIOTITE SCHIST
161.50	163.00	ARGILLITE/PHYLLITE
163.00	163.20	CHLORITE/CALCITE/BIOTITE SCHIST
163.20	165.40	ARGILLITE/PHYLLITE
165.40	165.60	VEIN
165.60	167.50	ARGILLITE/PHYLLITE
167.50	167.70	CHLORITE/CALCITE/BIOTITE SCHIST CHLORITE/CALCITE SCHIST
167.70	168.40	LIMESTONE/MARBLE
168.40	168.60	ARGILLITE/PHYLLITE FAULT
168.60	170.70	ARGILLITE/PHYLLITE
170.70	170.90	CHLORITE/CALCITE SCHIST MAFIC DYKE
170.90	171.40	ARGILLITE/PHYLLITE CHLORITE/CALCITE SCHIST
171.40	171.60	CHLORITE/CALCITE SCHIST
171.60	172.60	ARGILLITE/PHYLLITE
172.60	173.10	FX GRANULAR
173.10	174.00	CHLORITE/SERICITE/CALCITE SCHIST ARGILLITE/PHYLLITE

Checked and signed: _____ Date: _____

HOLE NO: K97-179 SECTION:L6150E GRID:

174.00	182.90	ARGILLITE/PHYLLITE
182.90	183.30	CHLORITE/CALCITE/BIOTITE SCHIST
		ARGILLITE/PHYLLITE
183.30	184.20	FX RIBBONED
184.20	184.60	ARGILLITE/PHYLLITE WACKER/ARKOSE
184.60	186.50	CHLORITE/CALCITE/BIOTITE SCHIST MAFIC TUFF
186.50	193.00	ARGILLITE/PHYLLITE WACKER/ARKOSE
193.00	194.90	CHLORITE/SER/QTZ/SCHIST
194.90	202.00	ARGILLITE/PHYLLITE
202.00	202.40	CHLORITE/CALCITE/BIOTITE SCHIST
		CHLORITE/SERICITE/CALCITE SCHIST
202.40	203.30	ARGILLITE/PHYLLITE LIMESTONE/MARBLE
203.30	204.50	CHLORITE/SER/QTZ/SCHIST MAFIC TUFF
204.50	205.00	ARGILLITE/PHYLLITE
205.00	205.10	CHLORITE/SER/QTZ/SCHIST
205.10	205.20	QUARTZ VEIN
205.20	205.30	ARGILLITE/PHYLLITE
205.30	205.50	QUARTZ VEIN
205.50	205.70	CHLORITE/SER/QTZ/SCHIST
205.70	206.00	ARGILLITE/PHYLLITE
206.00	206.90	CHLORITE/SER/QTZ/SCHIST
206.90	207.50	ARGILLITE/PHYLLITE
207.50	207.80	CHLORITE/SER/QTZ/SCHIST
207.80	209.10	ARGILLITE/PHYLLITE WACKER/ARKOSE
209.10	213.40	CHLORITE/SER/QTZ/SCHIST MAFIC TUFF
213.40	214.30	CHLORITE/SER/QTZ/SCHIST WACKER/ARKOSE
214.30	219.30	ARGILLITE/PHYLLITE
219.30	219.50	VEIN

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HOLE NO: K97-179 SECTION:L6150E GRID:

219.50	220.40	ARGILLITE/PHYLLITE
220.40	220.50	VEIN
220.50	220.80	ARGILLITE/PHYLLITE
220.80	220.90	WACKER/ARKOSE
220.90	221.30	ARGILLITE/PHYLLITE
		WACKER/ARKOSE
221.30	222.90	FZ GRANULAR
222.90	227.90	ARGILLITE/PHYLLITE
227.90	229.00	FAULT
229.00	231.50	ARGILLITE/PHYLLITE
231.50	231.90	QUARTZ VEIN
231.90	232.20	CHLORITE/SER/QTZ/SCHIS
		T
232.20	232.50	QUARTZ VEIN
232.50	235.10	ARGILLITE/PHYLLITE
235.10	235.20	LIMESTONE/MARBLE
235.20	235.60	ARGILLITE/PHYLLITE
235.60	241.70	FELSIC TUFF, WITH
		CRYSTAL LAPILLI
241.70	242.10	FELSIC TUFF, LAPILLI
242.10	242.70	FELSIC TUFF, QTZ
		CRYSTAL
242.70	243.50	MAFIC DYKE
243.50	247.20	FELSIC TUFF, WITH
		CRYSTAL LAPILLI
247.20	247.60	MAFIC DYKE
247.60	250.80	FELSIC TUFF, WITH
		CRYSTAL LAPILLI
250.80	251.00	FELSIC TUFF, LAPILLI
		ARGILLITE/PHYLLITE
251.00	252.20	FELSIC TUFF, LAPILLI
252.20	252.80	WACKER/ARKOSE
		ARGILLITE/PHYLLITE
252.80	255.20	FELSIC TUFF, LAPILLI
255.20	261.60	FELSIC TUFF, WITH
		CRYSTAL LAPILLI
261.60	265.50	MAFIC DYKE
265.50	268.00	FELSIC TUFF, LAPILLI
268.00	268.60	MAFIC DYKE
268.60	272.00	FELSIC TUFF, LAPILLI
272.00	272.30	MAFIC DYKE
272.30	273.00	FELSIC TUFF
273.00	273.80	MAFIC DYKE
273.80	275.00	FELSIC TUFF, LAPILLI
275.00	275.30	MAFIC DYKE

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HOLE NO: K97-179 SECTION:L6150E GRID:

275.30	276.10	FELSIC TUFF, QTZ CRYSTAL
276.10	276.80	MAFIC DYKE
276.80	279.10	FELSIC TUFF, QTZ CRYSTAL
279.10	279.30	MAFIC DYKE
279.30	281.00	FELSIC TUFF, QTZ CRYSTAL
281.00	281.20	MAFIC DYKE
281.20	282.60	FX FRAGMENTAL
282.60	284.30	MAFIC DYKE
284.30	286.90	FELSIC TUFF, QTZ CRYSTAL
286.90	287.40	MAFIC DYKE WACKER/ARKOSE
287.40	291.40	FELSIC TUFF, LAPILLI
291.40	291.80	VEIN
291.80	292.00	QUARTZ VEIN
292.00	295.60	QTZ-SER SCHIST +/-CHL, BI, CO3 BI-RICH SCHIST CC+/-QTZ SCHIST
295.60	297.30	FX FRAGMENTAL
297.30	297.70	QUARTZ VEIN
297.70	298.10	QTZ-SER SCHIST +/-CHL, BI, CO3 BI-RICH SCHIST CC+/-QTZ SCHIST
298.10	299.10	QUARTZ VEIN QTZ-SER SCHIST +/-CHL, BI, CO3
299.10	299.90	WACKER/ARKOSE
299.90	301.70	FELSIC TUFF QTZ-SER SCHIST +/-CHL, BI, CO3
301.70	302.70	QUARTZ VEIN
302.70	302.90	FX FRAGMENTAL
302.90	303.30	QUARTZ VEIN
303.30	304.20	FELSIC TUFF, LAPILLI
304.20	304.40	QUARTZ VEIN
304.40	315.50	FX FRAGMENTAL
315.50	315.70	QUARTZ VEIN
315.70	319.80	FX FRAGMENTAL
319.80	320.00	MAFIC DYKE
320.00	320.30	FX GRANULAR
320.30	320.60	MAFIC DYKE
320.60	335.60	FX FRAGMENTAL
335.60	336.20	MAFIC DYKE
336.20	337.80	FX FRAGMENTAL

Checked and signed: _____ Date: _____

HOLE NO: K97-179 SECTION:L6150E GRID:

337.80	337.90	MAFIC DYKE
337.90	338.10	FX FRAGMENTAL
338.10	338.20	MAFIC DYKE
338.20	339.40	FX FRAGMENTAL
339.40	339.50	FAULT
339.50	339.70	MAFIC DYKE
339.70	341.40	FX FRAGMENTAL
341.40	342.00	MAFIC DYKE
342.00	342.40	FX FRAGMENTAL
342.40	342.90	MAFIC DYKE
342.90	343.90	FX FRAGMENTAL
343.90	344.40	MAFIC DYKE
344.40	344.80	FX FRAGMENTAL
344.80	346.10	FAULT
346.10	346.40	FX FRAGMENTAL
346.40	349.20	MAFIC DYKE
349.20	350.80	FX FRAGMENTAL
350.80	351.10	MAFIC DYKE
351.10	351.90	FX FRAGMENTAL
351.90	352.40	MAFIC DYKE
		WACKER/ARKOSE
352.40	355.40	FX FRAGMENTAL
355.40	355.80	MAFIC DYKE
355.80	362.90	FX FRAGMENTAL
		WACKER/ARKOSE
362.90	369.10	FX FRAGMENTAL
369.10	369.40	FX GRANULAR
369.40	380.50	FX FRAGMENTAL
380.50	383.20	MAFIC DYKE
383.20	388.90	FX FRAGMENTAL
388.90	391.60	MAFIC DYKE
391.60	402.00	FX FRAGMENTAL
402.00	403.00	MAFIC DYKE
403.00	406.10	FX FRAGMENTAL
406.10	407.20	MAFIC DYKE
407.20	407.40	FX FRAGMENTAL
407.40	407.70	QUARTZ VEIN
407.70	408.00	MAFIC DYKE
408.00	408.60	FX GRANULAR
408.60	425.30	FX FRAGMENTAL
425.30	434.00	FX GRANULAR
434.00	435.40	FAULT
435.40	442.80	FX FRAGMENTAL
442.80	442.90	MAFIC DYKE
442.90	443.90	FX FRAGMENTAL

Checked and signed: _____ Date: _____

HOLE NO: K97-179 SECTION:L6150E GRID:

443.90	444.30	MAFIC DYKE
444.30	447.00	FX FRAGMENTAL
447.00	447.10	MAFIC DYKE
447.10	460.90	FX FRAGMENTAL
460.90	461.10	MAFIC DYKE
461.10	466.70	FX FRAGMENTAL
466.70	466.90	MAFIC DYKE
466.90	467.00	FX FRAGMENTAL
467.00	467.10	MAFIC DYKE
467.10	467.60	FX FRAGMENTAL
467.60	469.60	MAFIC DYKE
469.60	470.00	FX FRAGMENTAL
470.00	470.30	MAFIC DYKE
470.30	472.60	FX FRAGMENTAL
472.60	476.60	MAFIC DYKE
476.60	479.90	FX FRAGMENTAL
479.90	480.40	MAFIC DYKE
480.40	484.80	FX FRAGMENTAL FX GRANULAR
484.80	484.90	MAFIC DYKE
484.90	485.20	FX FRAGMENTAL
485.20	488.00	MAFIC DYKE
488.00	495.90	FX FRAGMENTAL
495.90	497.40	QTZ-SER SCHIST +/-CHL, BI, CO3 WACKER/ARKOSE
497.40	500.20	FX FRAGMENTAL
500.20	500.60	MAFIC DYKE
500.60	505.40	FX FRAGMENTAL
505.40		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
NQ DRILL LOG

K97-179

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	3.10	Overburden							
3.10	4.80	Chlorite/Calcite/Biotite Schist	S	S					
		Chlorite-calcite-bio+qtz schist, thinly laminated, fine grained, dk green	S	G					
4.80	6.70	Pistachio Mica/Qtz/Ser Schist							
		Rusty, easily broken rock, with "pistachio" green mica bits + biotite overprint	G	S	2.00				
6.70	8.30	Chlorite/Calcite/Biotite Schist							
		Dk green, chl/bi schist fine grained, rusty pyrite	S	S					
8.30	11.20	Fault							
		Gouge at top and bottom, broken ground at centre	S	S					
11.20	13.50	Chlorite/Calcite/Biotite Schist Mafic Tuff							
		Dk green with biotite quartz calcite some disseminated pyrite	S	S	0.10				
13.50	16.00	Chlorite/Calcite/Biotite Schist							
		Coarser grained with biotite flakes giving speckled appearance & bands of calcite, chlorite somewhat	G	G	0.10	0.10			
		laminated, rusty in places							
16.00	17.60	Chlorite/Calcite/Biotite Schist							
		Coarse-grained with biotite flakes giving a speckled appearance and bands of calcite. Chl is somewhat	G	G	0.01	0.01			
		laminated. Locally rusty after pyrhotite-pyrite?							
17.60	23.70	Chlorite/Calcite Schist							
		Chl schist with calcite veinlets and rusty fracture surfaces.	G	S					
23.70	24.00	vein							
		Qtz-calcite vein with rusty fractures.	S	S					
24.00	27.60	Argillite/Phyllite Quartzite							
		Argillaceous, fine-grained layers with thin interbedded quartzite or quartz layers with or without biotite.	S	S					
		Rusty fracture surfaces and some faulting.							
27.60	31.40	Chlorite/Calcite Schist							
		Dark green fine-grained with clumpy to banded calcite and locally disseminated biotite. Possible Chlorite/Sericite/Calcite Schist from 28.2-29.9m. Rare rusty patches.	S	S					
31.40	31.60	Argillite/Phyllite BI/CHL/SER Schist							
		Dark brown to black, micaceous sediment band.	S	S	0.01	0.01			
31.60	34.00	Chlorite/Calcite/Biotite Schist							
		Chl-calcite-biotite schist.	S	S					
34.00	34.20	Felsic Dyke (Intrusive)							
		Qtz-biotite dyke/sill; non calcareous; some chlorite near margins. Felsic intrusive.	S	S					
34.20	36.30	Chlorite/Calcite/Biotite Schist							
		Chl-calcite-biotite schist.	S	G					
36.30	40.50	Chlorite/Calcite Schist							
		Chl-calcite schist with very little bi; some quartz.	G	S					
40.50	41.90	Chlorite/Calcite/Biotite Schist							
		As above.	G	G		2.00			

Kudz Ze Kayah
NQ DRILL LOG

K97-179

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
41.90	44.60	Chlorite/Calcite Schist As above.	G	S					
44.60	45.30	Felsic Dyke (Intrusive) As above.	S	S					
45.30	47.50	Mafic Dyke Chl-calcite-bi+qtz mafic dyke.	S	S					
47.50	47.90	Felsic Dyke (Intrusive) As above.	S	S					
47.90	49.10	Mafic Dyke Chl-biotite-calcite schist with pyrite.	S	S	2.00				
49.10	49.70	Chlorite/Calcite Schist As above.	S	S					
49.70	51.30	Fault Broken ground and 50cms of gouge.	S	S					
51.30	51.50	vein Cc with some mafic component.	S	S					
51.50	52.80	Fault Broken with 1.2m of fault gouge.	S	S					
52.80	53.10	vein Cc-qtz+chl vein.	S	S					
53.10	53.50	Chlorite/Calcite/Biotite Schist As above.	S	S					
53.50	55.00	Fault Strong chloritic gouge zone.	S	S					
55.00	58.20	Chlorite/Calcite/Biotite Schist Locally broken interval, as above, with quartz-calcite veins.	S	G	0.01	0.01			
58.20	60.20	Chlorite/Calcite Schist Chlorite/Sericite/Calcite Schist As above; with sericite.	G	G					
60.20	64.20	Chlorite/Calcite/Biotite Schist As above; with biotite speckling and quartz-calcite veins.	G	G					
64.20	67.20	Chlorite/Calcite Schist As above.	G	G					
67.20	73.10	FX Fragmental Qtz-sericite schist with minor chl+carbonate.	G	G	0.01		0.01	0.01	0.01
73.10	74.90	Chlorite/Calcite Schist As above.	G	G					
74.90	75.50	Argillite/Phyllite As above; with pyrhotite-pyrite.	G	G	0.01	0.01			
75.50	75.80	Chlorite/Calcite Schist As above; very fine-grained.	G	G	0.01				
75.80	77.00	Argillite/Phyllite As above; argillaceous, locally calcareous.	G	G					

Kudz Ze Kayah
NQ DRILL LOG

K97-179

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
77.00	77.50	Chlorite/Calcite Schist As above.	G	G					
77.50	80.50	Argillite/Phyllite Black fine-grained, carbonaceous with some pyrite.	G	S	2.00				
80.50	80.80	Mafic Dyke Chl schist with some quartz-calcite and biotite-pyrite veins.	S	S	0.01				
80.80	82.70	Argillite/Phyllite As above; black, carbonaceous, some pyrite.	S	S	0.01				
82.70	84.30	Sericite/Chl/CC Schist Chl-sericite-calcite schist; perhaps FX Ribboned but more chloritic.	S	S					
84.30	91.80	Argillite/Phyllite As above, banded to massive with patches of pyrite particularily within massive sections.	S	S	1.00				
91.80	92.00	FZ Granular Qtz-sericite schist, slightly mottled and fine-grained.	S	S					
92.00	93.20	Chlorite/Calcite Schist Massive, fine-grained, dark green chlorite schist with some calcite.	S	S					
93.20	93.60	FZ Granular Fault As above; broken ground.	S	S					
93.60	95.90	Chlorite Schist Fine-grained massive chlorite schist.	S	S					
95.90	96.60	FZ Granular As above with biotite overprint.	S	S					
96.60	97.20	Chlorite/Calcite/Biotite Schist As above with biotite flecks.	S	S					
97.20	98.30	Chlorite/Calcite Schist As above, very chloritic, some quartz veins.	S	S					
98.30	98.70	FZ Granular As above.	S	S					
98.70	100.60	Argillite/Phyllite As above with pyrite veins and seams.	S	S	2.00				
100.60	100.70	FZ Fragmental Little dyke of typical FZ Fragmental.	S	S					
100.70	103.50	Argillite/Phyllite Fault As above with pyrite and calcite veins. Interval is broken and gouged over last 0.7m.	S	S	2.00				
103.50	104.50	FZ Granular Fault As above; broken ground.	S	S					
104.50	110.90	Fault Broken ground with strong fault gouge in carbonaceous argillite.	S	S					
110.90	111.20	Chlorite/Calcite/Biotite Schist Fine-grained.	S	S					
111.20	111.40	Argillite/Phyllite	S	S					

Kudz Ze Kayah
NQ DRILL LOG

K97-179

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
111.40	111.60	Chlorite/Calcite/Biotite Schist	S	S					
111.60	112.60	Argillite/Phyllite	S	S					
112.60	112.80	Chlorite/Calcite/Biotite Schist	S	S					
112.80	119.10	Argillite/Phyllite With both calcareous and non calcareous sections; locally carbonaceous; good patches of po; some areas of broken ground and chloritic argillite.	S	S		2.00			
119.10	119.80	Chlorite/Calcite/Biotite Schist As above.	S	S					
119.80	120.40	Argillite/Phyllite With wispy pyrhotite and interbanded Chlorite/Calcite/Biotite Schist.	S	S		0.01			
120.40	120.60	Chlorite/Calcite/Biotite Schist With pyrhotite and quartz veins.	S	S					
120.60	121.20	Argillite/Phyllite Chlorite/Calcite/Biotite Schist Interbedded with Chlorite/Calcite/Biotite Schist or chloritic argillite.	S	S		0.01			
121.20	121.60	Chlorite/Calcite/Biotite Schist With small elongate pyrhotite rich patches.	S	S		1.00			
121.60	130.70	Argillite/Phyllite Locally calcareous with disseminated pyrite-pyrhotite.	S	S	1.00	0.01			
130.70	131.50	Chlorite/Calcite/Biotite Schist With pyrhotite-py; local quartz-calcite veins.	S	S	0.01	0.01			
131.50	134.00	Argillite/Phyllite Fairly siliceous and calcareous, very black, some chlorite near margins and some pyrite-pyrhotite throughout.	S	S	0.01	0.01			
134.00	135.70	Chlorite/Calcite/Biotite Schist Fine-grained; some biotite and disseminated pyrite.	S	S	0.01				
135.70	137.20	Argillite/Phyllite Black, carbonaceous fine-grained argillite with pyrhotite-pyrite.	S	S	0.01	0.01			
137.20	138.30	Chlorite/Calcite/Biotite Schist As above; fine fine disseminated pyrite-pyrhotite.	S	S	0.01	0.01			
138.30	140.20	Argillite/Phyllite As above; no visible sulphides.	S	S					
140.20	143.00	FZ Ribboned Qtz-sericite-carbonate schist; ribbon banded with abundant disseminated pyrite.	S	S					
143.00	146.50	Argillite/Phyllite Very siliceous with disseminated pyrite.	S	S	0.01				
146.50	149.10	FX Fragmental Qtz-sericite-chl+bi schist with some pyrite and quartz-calcite veins.	S	S	0.01				
149.10	153.30	Chlorite Schist Chlorite/Calcite/Biotite Schist Finely disseminated pyrite. Possible chloritic Qtz-Ser Schist +/-Chl, Bi, CO3 from 150.8-151.2m.	S	S	0.01				
153.30	153.60	Quartz Vein Qtz-calcite-blue green chlorite vein.	S	S					

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
153.60	155.00	Chlorite/Calcite/Biotite Schist Fine to medium-grained with quartz veins.	S	S					
155.00	155.30	Limestone/Marble Very calcareous limestone with chlorite.	S	S					
155.30	155.90	Argillite/Phyllite Very carbonaceous with pyritic seams and locally calcareous.	S	S	2.00				
155.90	156.00	Mafic Dyke Fine-grained thin chloritic dyke.	S	S					
156.00	160.10	Argillite/Phyllite Very carbonaceous with cc+py bands; locally non calcareous. Many broken intervals; likely a good conductor.	S	S	2.00				
160.10	160.30	Mafic Dyke Fine-grained, dark green, no bi; surrounded by broken ground.	S	S					
160.30	160.90	Argillite/Phyllite Fine-grained with chloritic sections.	S	S					
160.90	161.50	Chlorite/Calcite/Biotite Schist Wispy pyrhotite patches, some disseminated py; no biotite.	S	S	0.01	1.00			
161.50	163.00	Argillite/Phyllite Carbonaceous and calcareous with some pyrite-pyrhotite and calcite veins.	S	S	0.01	0.01			
163.00	163.20	Chlorite/Calcite/Biotite Schist With calcite patches and pyrhotite.	S	S		0.01			
163.20	165.40	Argillite/Phyllite Mudstones/siltstones with calcite and quartz-calcite veins and fragmented veins; some minor Limestone/Marble interbeds present.	S	S		2.00			
165.40	165.60	vein Cc-chlorite-quartz vein with pyrite-pyrhotite.	S	S	0.01	1.00			
165.60	167.50	Argillite/Phyllite With rip-up clast fragments; possibly with some Limestone/Marble, calcite seams/veins that alternate with more muddy siltstone portions.	S	S					
167.50	167.70	Chlorite/Calcite/Biotite Schist Chlorite/Calcite Schist Fine-grained, chl+cc schist with pyrite.	S	S	0.01				
167.70	168.40	Limestone/Marble Very calcareous, broken with bits of argillite and quartz-calcite veins.	S	S					
168.40	168.60	Argillite/Phyllite Fault With quartz-calcite veins, biotitic and carbonaceous in places.	S	S	0.01				
168.60	170.70	Argillite/Phyllite With calcite, some fragments, some chlorite, possible Limestone/Marble.	S	S					
170.70	170.90	Chlorite/Calcite Schist Mafic Dyke Chl-calcite schist intermixed with argillite.	S	S					
170.90	171.40	Argillite/Phyllite Chlorite/Calcite Schist Siltstone with chlorite patches, pyrhotite-pyrite patches surrounded by calcite.	S	S	0.01	1.00			

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
171.40	171.60	Chlorite/Calcite Schist Chl-calcite schist with py; almost like a vein/dyke of mafics.	S	S	0.01				
171.60	172.60	Argillite/Phyllite As above, with Limestone/Marble, py; highly twisted Limestone/Marble or calcitic patches; pyrhotite as wispy threads.	S	S		1.00			
172.60	173.10	FX Granular Qtz-sericite-chlorite-biotite schist with pyrhotite and calcite seams and veins.	S	S		0.01			
173.10	174.00	Chlorite/Sericite/Calcite Schist Argillite/Phyllite Chl-calcite-sericite schist with patches of argillite(fragments with pyrhotite-pyrite).	S	G	0.01	2.00			
174.00	182.90	Argillite/Phyllite Thin bedded, fine-grained, locally calcitic to carbonaceous (somewhat graphitic); occasional quartz veins. Minor Mafic Tuff at 178.9m. Py disseminated throughout and in fractures/seams.	G	S	2.00				
182.90	183.30	Chlorite/Calcite/Biotite Schist Argillite/Phyllite Maybe some Wacker/Arkose with chlorite and some mudstone clasts; folded quartz veins and some pyrhotite.	S	G		0.01			
183.30	184.20	FX Ribboned Qtz-sericite-chl+bi schist with quartz-pyrite ribbons across unitb at 15 to ca.	G	G	0.01				
184.20	184.60	Argillite/Phyllite Wacker/Arkose Interbedded mudstones with fragments that maybe limestone.	G	G					
184.60	186.50	Chlorite/Calcite/Biotite Schist Mafic Tuff A mafic tuff to chlorite-calcite schist with quartz veins and small<3mms speckles of pyrhotite. Lower portion of interval is interbedded with argillite (with pyrhotite).	G	G	0.01	2.00			
186.50	193.00	Argillite/Phyllite Wacker/Arkose With pyrhotite in seams and patches, maybe Wacker/Arkose like, fairly calcareous, some carbonaceous patches of mudstone and quartz-calcite veins.	G	S		3.00			
193.00	194.90	Chlorite/Ser/Qtz/Schist Chl-quartz-sericite schist (felsic?); lots of quartz , some calcite.	S	S		0.01			
194.90	202.00	Argillite/Phyllite Thin bedded to laminated, locally carbonaceous with calcite and quartz veins as well as Fecarbonate and pyrhotite-pyrite.	S	S	1.00	2.00			
202.00	202.40	Chlorite/Calcite/Biotite Schist Chlorite/Sericite/Calcite Schist Chl-sericite-calcite schist fine-grained, some stretched quartz fragments with pyrite.	S	S	0.01				
202.40	203.30	Argillite/Phyllite Limestone/Marble With chlorite locally, mudstone fragfments and po; as above.	S	S		0.01			
203.30	204.50	Chlorite/Ser/Qtz/Schist Mafic Tuff As above, with pyrhotite.	S	S		0.01			

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
204.50	205.00	Argillite/Phyllite As above, with pyrite-pyrhotite.	S	S	0.01	0.01			
205.00	205.10	Chlorite/Ser/Qtz/Schist As above; quite quartz-rich.	S	S	2.00				
205.10	205.20	Quartz Vein Bull quartz-cc+py vein.	S	S					
205.20	205.30	Argillite/Phyllite Black, fine-grained, pyrite veinlets up to 3mms.	S	S	2.00				
205.30	205.50	Quartz Vein Qtz-cc+chl+bi vein.	S	S	5.00				
205.50	205.70	Chlorite/Ser/Qtz/Schist As above; fair bit of quartz with pyrhotite.	S	S		2.00			
205.70	206.00	Argillite/Phyllite Mudstone with quartz, no sulphides, strong cleavage.	S	S					
206.00	206.90	Chlorite/Ser/Qtz/Schist As above, alot of quartz, some quartz veins.	S	G					
206.90	207.50	Argillite/Phyllite With angular carbonaceous fragments, some broken groud.	S	S					
207.50	207.80	Chlorite/Ser/Qtz/Schist As above, with some black mudstone, trace pyrhotite.	S	S		0.01			
207.80	209.10	Argillite/Phyllite Wacker/Arkose As before, but more wacke like, very calcitic some quartz-calcite veins, some mudstone fragments.	S	S					
209.10	213.40	Chlorite/Ser/Qtz/Schist Mafic Tuff Chl-sericite-quartz schist with quartz veins and a calcite component; maybe transtional into felsic domain.	S	G					
213.40	214.30	Chlorite/Ser/Qtz/Schist Wacker/Arkose As above, but with a chloritic wacke component; some mudstone rip-up fragments and Fecarbonate (ankerite) seams.	G	G					
214.30	219.30	Wacker/Arkose Argillite/Phyllite Typical wacke, almost tuffaceous texture, with patches of carbonaceous mudstone with pyrite.	G	S	2.00				
219.30	219.50	vein Fecarbonate+py+bi vein.	S	S					
219.50	220.40	Argillite/Phyllite Black carbonaceous, laminated mudstone with ,patches of pyrite-calcite. Some broken intervals.	S	S	3.00				
220.40	220.50	vein Fecarbonate, as above.	S	S					
220.50	220.80	Argillite/Phyllite As above, with pyrite-pyrhotite.	S	S	2.00	0.01			
220.80	220.90	Wacker/Arkose Wacke like with pyrhotite-py; almost tuffaceous.	S	S	0.01	0.01			

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
220.90	221.30	Argillite/Phyllite Wacker/Arkose Mudstone with some wacke and pyrite-pyrhotite.	S	S	0.01	0.01			
221.30	222.90	FZ Granular Qtz-sericite-carbonate schist with quartz ribbons/fragments and mudstone bits.	S	G					
222.90	227.90	Argillite/Phyllite Very carbonaceous; lots of pyrite. 224.20-224.60 Fault Broken ground. 224.80-225.00 Fault Broken ground. 225.50-226.10 Fault Broken ground.	S	S	3.00				
227.90	229.00	Fault Mostly gouge.	S	S					
229.00	231.50	Argillite/Phyllite As above, graphitic with py+po; comprises mudstone/siltstone.	S	S	3.00	0.01			
231.50	231.90	Quartz Vein Qtz-calcite vien with pyrite-pyrhotite.	S	S	0.01	0.01			
231.90	232.20	Chlorite/Ser/Qtz/Schist As above, trace pyrhotite.	S	S		0.01			
232.20	232.50	Quartz Vein Qtz-calcite-chlorite-tourmaline+py vein.	S	S	2.00				
232.50	235.10	Argillite/Phyllite Laminated to thinly bedded, fine-grained with pyrhotite-pyrite and quartz-calcite veins.	S	S	0.01	2.00			
235.10	235.20	Limestone/Marble Limestone/marble, almost fragmental; some pyrhotite.	S	S		0.01			
235.20	235.60	Argillite/Phyllite As above, pyrhotite surrounded by calcareous material.	S	S		0.01			
235.60	241.70	Felsic Tuff, with crystal lapilli Qtz eye (bluish) phyric, medium-grained and with some mudstone fragments. Flecks of pyrhotite and disseminated pyrite, some calcite bands.	S	S	0.01	0.01			
241.70	242.10	Felsic Tuff, Lapilli Coarse-grained, large lapilli, some quartz eyes, some mudstone, some feldspar (albitic?), some stretching.	S	S					
242.10	242.70	Felsic Tuff, Qtz Crystal Qtz eye phyric, crystal tuff with quartz-sericite matrix; some carbonate, no mudstone.	S	S					
242.70	243.50	Mafic Dyke Bi-calcite-quartz dyke with minor chlorite and quartz veins and disseminated pyrite.	S	S	0.01				
243.50	247.20	Felsic Tuff, with crystal lapilli Medium to coarse-grained quartz eye phyric crystal tuff with some mudstone.	S	S					

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
247.20	247.60	Mafic Dyke Fine-grained biotite-chlorite-calcite-quartz schist with fine speckled biotite porphyroblasts.	S	S	0.01				
247.60	250.80	Felsic Tuff, with crystal lapilli As above; no calcite, some mudstone.	S	S					
250.80	251.00	Felsic Tuff, Lapilli Argillite/Phyllite Broken ground; mudstone.	S	S					
251.00	252.20	Felsic Tuff, Lapilli Fine to medium-grained.	S	G					
252.20	252.80	Wacker/Arkose Argillite/Phyllite Arkosic wacke and mudstones with quartz veins.	S	S					
252.80	255.20	Felsic Tuff, Lapilli Fine-grained, reasonably dark almost mafic looking, quartz-sericite-biotite.	G	G					
255.20	261.60	Felsic Tuff, with crystal lapilli Qtz eye phyric quartz-sericite-biotite-chlorite schist with some calcareous and carbonate component, trace pyrite-pyrhotite.	G	G	0.01	0.01			
261.60	265.50	Mafic Dyke Chl-biotite-calcite with qtz; speckled with fine-grained biotite.	G	G					
265.50	268.00	Felsic Tuff, Lapilli As above, with biotite overprint and fewer quartz eyes.	G	G					
268.00	268.60	Mafic Dyke As above with quartz veins.	G	G					
268.60	272.00	Felsic Tuff, Lapilli As above, fine-grained, fewer quartz eyes with biotite overprint. Coarser grained from 270.1-271. 6m.	G	G					
272.00	272.30	Mafic Dyke Chl-biotite-quartz with pyrite-pyrhotite.	G	S	0.01	0.01			
272.30	273.00	Felsic Tuff Fine-grained quartz-sericite schist.	S	G					
273.00	273.80	Mafic Dyke As above but with calcite.	S	G	0.01	0.01			
273.80	275.00	Felsic Tuff, Lapilli Fine to medium-grained with weak biotite overprint.	G	S					
275.00	275.30	Mafic Dyke As above; chlorite-biotite-quartz-calcite schist.	S	S					
275.30	276.10	Felsic Tuff, Qtz Crystal Bluish quartz eye phyric, medium to coarse-grained with sericite.	S	S					
276.10	276.80	Mafic Dyke As above with pyrite and some pyrhotite.	S	S	2.00	0.01			
276.80	279.10	Felsic Tuff, Qtz Crystal As above with some mudstone fragments/rip-ups.	S	S					

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
279.10	279.30	Mafic Dyke Fine to medium-grained chlorite-biotite-quartz schist.	S	S					
279.30	281.00	Felsic Tuff, Qtz Crystal As above.	S	S					
281.00	281.20	Mafic Dyke Bi-chlorite ending near Fecarbonate band.	S	S					
281.20	282.60	FX Fragmental Qtz-sericite schist with some carbonate and rare bi; quartz fragments.	S	S					
282.60	284.30	Mafic Dyke Chl-biotite-calcite-quartz unit with occasional quartz vein.	S	S					
284.30	286.90	Felsic Tuff, Qtz Crystal Fine-grained uniform, blue quartz eye phyric schist.	S	G					
286.90	287.40	Mafic Dyke Wacker/Arkose Bi/minor chlorite-quartz schist; arkosic sediment?	G	S					
287.40	291.40	Felsic Tuff, Lapilli Coarse fragments of quartz, some Fecarbonate and quartz eyes.	S	G					
291.40	291.80	vein Fecarbonate and pyrite	S	S	0.01				
291.80	292.00	Quartz Vein Qtz+cc-chlorite vein with trace pyrite-galena-pyrhotite-sphalerite.	S	S	0.01	0.01		0.01	0.01
292.00	295.60	Qtz-Ser Schist +/-Chl, Bi, CO3 Bi-Rich Schist CC+/-Qtz Schist Mootled unit with lots of Fecarbonate, fine to medium-grained.	S	G					
295.60	297.30	FX Fragmental As above with pyrite, quartz fragments, biotite speckling and veining.	G	S	0.01				
297.30	297.70	Quartz Vein Qtz-calcite-biotite-chlorite-sericite vein with pyrite.	S	S	0.01				
297.70	298.10	Qtz-Ser Schist +/-Chl, Bi, CO3 Bi-Rich Schist CC+/-Qtz Schist With biotite-calcite bands.	S	G					
298.10	299.10	Quartz Vein Qtz-Ser Schist +/-Chl, Bi, CO3 Several quartz-chlorite-biotite veins in schist.	S	S					
299.10	299.90	Wacker/Arkose Intermixed with Qtz-Ser Schist +/-Chl, Bi, CO3.	G	G					
299.90	301.70	Felsic Tuff Qtz-Ser Schist +/-Chl, Bi, CO3 Tuffaceous, fine-grained quartz-sericite-carbonate schist with pyrite and quartz fragments.	G	S	0.01				
301.70	302.70	Quartz Vein Bull quartz vein with trace pyrhotite-pyrite-galena-sphalerite.	S	S	0.01	0.01		0.01	0.01
302.70	302.90	FX Fragmental See following note.	S	S					
302.90	303.30	Quartz Vein As above; only pyrhotite-pyrite.	S	S	0.01	0.01			
303.30	304.20	Felsic Tuff, Lapilli As above, quartz-feldspar fragments.	S	S					

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
304.20	304.40	Quartz Vein White quartz with minor flecks of biotite-pyrhotite-chlorite.	S	S	0.01	0.01			
304.40	315.50	FX Fragmental Massive, uniform quartz-sericite schist with minor chlorite-biotite overprint and only subtle changes in texture. This section grades from FXXC with no biotite into FX Fragmental that resembles a QFP/tuff, making this entire sequence a possible felsic intrusive (FI). There are occasional quartz veins and small patches of calcite. Bi is merely an overprint - Fe-Mg metasomatism. This section has fine to medium-grained matrix with lapilli fragments (Fsp) of qtz+fsp and no visible disseminated sulphides.	S	S					
315.50	315.70	Quartz Vein Qtz-chl+bi vein with some pyrite.	S	S	0.01				
315.70	319.80	FX Fragmental As above with quartz and calcite veins.	S	S					
319.80	320.00	Mafic Dyke Bi-chlorite-quartz-calcite schist with calcite bands.	S	S					
320.00	320.30	FX Granular As above but fine-grained, no biotite overprint.	S	S					
320.30	320.60	Mafic Dyke As above, chlorite-biotite-quartz-calcite schist.	S	S					
320.60	335.60	FX Fragmental As above, variations from fine to medium-grained, some quartz areas with surrounding Fecarbonate, a few biotite bands. Still maybe porphyry intrusive. No sulphides.	S	G					
335.60	336.20	Mafic Dyke Bi-chlorite-calcite-quartz schist; almost bedded.	S	S					
336.20	337.80	FX Fragmental As above.	G	G					
337.80	337.90	Mafic Dyke As above.	G	G					
337.90	338.10	FX Fragmental As above.	G	G					
338.10	338.20	Mafic Dyke As above.	G	G					
338.20	339.40	FX Fragmental As above.	G	S					
339.40	339.50	Fault Broken and gouged.	S	S					
339.50	339.70	Mafic Dyke As above.	S	S					

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
339.70	341.40	FX Fragmental As above.	S	G					
341.40	342.00	Mafic Dyke As above.	G	G					
342.00	342.40	FX Fragmental As above.	G	G					
342.40	342.90	Mafic Dyke As above.	G	G					
342.90	343.90	FX Fragmental As above.	G	G					
343.90	344.40	Mafic Dyke As above.	G	G					
344.40	344.80	FX Fragmental As above.	G	G					
344.80	346.10	Fault Badly broken ground.	G	S					
346.10	346.40	FX Fragmental As above with heavy biotite overprint.	S	S					
346.40	349.20	Mafic Dyke Bi-chlorite-calcite schist with quartz veins and pyrhotite-pyrite.	S	S	0.01	0.01			
349.20	350.80	FX Fragmental As above with more quartz and biotite overprint, less chloritic.	S	G					
350.80	351.10	Mafic Dyke Bi-chlorite-quartz schist, as before.	G	S					
351.10	351.90	FX Fragmental As above, maybe with some Wacker/Arkose and chlorite.	S	S					
351.90	352.40	Mafic Dyke Wacker/Arkose Chl-biotite schist almost banded/layered.	S	G					
352.40	355.40	FX Fragmental As before, maybe intrusive.	G	S					
355.40	355.80	Mafic Dyke Bi-chlorite schist with pyrhotite-pyrite.	S	S	0.01	0.01			
355.80	362.90	FX Fragmental Wacker/Arkose As before but with some darker more biotitic (perhaps sedimentary) bands; no mieralization.	S	S					
362.90	369.10	FX Fragmental Fine to medium-grained with biotite overprint and quartz fragments.	G	S					
369.10	369.40	FX Granular Typical quartz-sericite-carbonate schist; sericite is more yellowy waxy.	S	S					
369.40	380.50	FX Fragmental As before, weak biotite overprint, quartz fragments throughout, trace pyrite. Lighter coloured than other units and somewhat finer grained but the same appearance. Top of units had to be coarser than bottoms.	S	S					

Kudz Ze Kayah
NQ DRILL LOG

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
380.50	383.20	Mafic Dyke Bi-quartz-calcite-chlorite with pyrite-pyrhotite.	S	S	0.01	0.01			
383.20	388.90	FX Fragmental Still possible porphyry with quartz-sericite-chlorite-Fecarbonate and some disseminated pyrite.	S	S	0.01				
388.90	391.60	Mafic Dyke As above, very biotite rich with pyrite and quartz veins.	S	S					
391.60	402.00	FX Fragmental Looks like porphyry with pyrite-pyrhotite in thin seams amd quartz fragments (after albite?).	S	G	0.01				
402.00	403.00	Mafic Dyke Dark fine to medium-grained biotite-chlorite schist cut by quartz-calcite veins.	S	S					
403.00	406.10	FX Fragmental Fine to coarsegrined with variable biotite overprint.	S	S					
406.10	407.20	Mafic Dyke Chl-biotite schist with quartz-calcite veins.	S	S					
407.20	407.40	FX Fragmental As above; fine-grained with quartz fragments and no biotite overprint.	S	S					
407.40	407.70	Quartz Vein Qtz+chl-biotite-calcite vein.	S	S					
407.70	408.00	Mafic Dyke As above.	S	S					
408.00	408.60	FX Granular As above.	S	S					
408.60	425.30	FX Fragmental Grey green, fine-grained, uniform and massive unit with biotite overprint, quartz fragments and albite (altered to Fecarbonate).	S	G					
425.30	434.00	FX Granular As above except fragments are fewer and smaller. Quartz-sericite schist with weak biotite overprint.	G	S					
434.00	435.40	Fault Broken and locally gouged FX Fragmental.	S	S					
435.40	442.80	FX Fragmental As above.	S	S					
442.80	442.90	Mafic Dyke Bi-qtz+chl-Fecarbonate schist with pyrhotite.	S	S		0.01			
442.90	443.90	FX Fragmental As above.	S	S					
443.90	444.30	Mafic Dyke Bi-chlorite schist with Fecarbonate and quartz-carbonate speckled; no sulphides.	S	S					
444.30	447.00	FX Fragmental As above with biotite overprint and quartz-calcite-carbonate fragments.	S	S					

Kudz Ze Kayah
NQ DRILL LOG

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
447.00	447.10	Mafic Dyke Chl-biotite schist with rhombic Fecarbonate porphyroblasts.	S	S					
447.10	460.90	FX Fragmental As before with quartz-sericite schist, green grey, with biotite overprint and sections of no biotite as well as occasional quartz veins.	S	S					
460.90	461.10	Mafic Dyke Well twisted biotite-quartz vein/dyke.	S	S					
461.10	466.70	FX Fragmental As before, with weak but large biotite overprint; locally fine grained with granular textures, generally show qtz+Fecarbonate fragments.	S	S					
466.70	466.90	Mafic Dyke Dark brown black, very fine-grained biotite with Fecarbonate porphyroblasts.	S	S					
466.90	467.00	FX Fragmental As above.	S	S					
467.00	467.10	Mafic Dyke Bi schist with some quartz.	S	S					
467.10	467.60	FX Fragmental As above.	S	S					
467.60	469.60	Mafic Dyke Variable mafic dyke predominantly biotite with some quartz-chlorite and calcite. Pyrhotite found as patches throughout. Some areas so dark - appear carbonaceous.	S	S		0.01			
469.60	470.00	FX Fragmental As above.	S	S					
470.00	470.30	Mafic Dyke Bi with somew chlorite-calcite and pyrhotite with some quartz-calcite veins.	S	S		0.01			
470.30	472.60	FX Fragmental As above; quite coarse with large quartz fragments. Ser is a greeny yellow colour. Some pyrite.	S	S	0.01				
472.60	476.60	Mafic Dyke Bi-chlorite-quartz-calcite schist, fine to medium-grained with some quartz-calcite veins.	S	S					
476.60	479.90	FX Fragmental As before showing variations in the heaviness of biotite overprint and the coarsness of quartz fragments.	S	S					
479.90	480.40	Mafic Dyke Bi-quartz-Fecarbonate schist.	S	S					
480.40	484.80	FX Fragmental FX Granular As before, locally unit is almost FX Granular due to low fragment abundance.	S	S					
484.80	484.90	Mafic Dyke As above.	S	S					
484.90	485.20	FX Fragmental As above.	S	S					

Kudz Ze Kayah
NQ DRILL LOG

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From	To	Geological Log	C	C	PY	PO	CP	GA	SP
485.20	488.00	Mafic Dyke Bi-chlorite-quartz-calcite schist; very fine to medium-grained.	S	S					
488.00	495.90	FX Fragmental Qtz-sericite schist with some chlorite-biotite-carbonate; maybe FXXG; still has biotite overprint.	S	G					
495.90	497.40	Qtz-Ser Schist +/-Chl, Bi, CO3 Wacker/Arkose As before, but more sediment like interbeds.	G	G					
497.40	500.20	FX Fragmental As above.	S	S					
500.20	500.60	Mafic Dyke Bi-chlorite-carbonate-quartz dyke; dark brown and very fine-grained.	S	S					
500.60	505.40	FX Fragmental Qtz-sericite schist with good Fecarbonate speckles; weaker biotite overprint; more quartz ribbons/veins.	S	S					

*** END OF HOLE *** 505.40

Kudz Ze Kayah

HOLE NO: K97-180 | SECTION:L 4750 E | GRID:5605 N | K97-180

093848

PROJECT CODE :KUDZ ZE KAYAH
TENEMENT :TAG
PROSPECT :
GRID :5605 N
MAP REFERENCE :105 G 7
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: 206.80

Purpose of hole: TEST AEM/MAG TARGET
Hole status:
Comments:

*** SIGNIFICANT ASSAYS ***

From	To	Width

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	180.00	-60.00
30.50	181.00	-60.70
91.40	182.00	-60.10
152.40	192.00	-60.10
206.70	195.00	-60.00

*** SUMMARY LOG ***

0.00	9.10	OVERBURDEN
9.10	20.40	QUARTZITE SILTSTONE
20.40	25.30	FAULT
25.30	29.80	ARGILLITE/PHYLLITE
29.80	41.50	SANDSTONE CARBONACEOUS MUDSTONE/ARGILLITE
41.50	43.40	MAFIC SILL

Checked and signed: _____ Date: _____

43.40	47.20	CARBONACEOUS MUDSTONE/ARGILLITE
47.20	64.20	SILICEOUS/CHERTY ARGILLITE
64.20	66.80	MAFIC SILL
66.80	69.50	CARBONACEOUS META-CHERT
69.50	71.00	MAFIC SILL
71.00	83.00	CARBONACEOUS META-SILTSTONE
83.00	89.80	CARBONACEOUS META-SANDSTONE
89.80	96.80	CARBONACEOUS MUDSTONE/ARGILLITE
96.80	100.80	MAFIC SILL
100.80	103.40	CARBONACEOUS MUDSTONE/ARGILLITE
103.40	106.90	QUARTZ PHYRIC, TUFFACEOUS WACKE
106.90	111.80	CARBONACEOUS MUDSTONE/ARGILLITE
		MAFIC SILL
111.80	129.90	CARBONACEOUS ARGILLITIC FRAGMENTAL (DEBRIS FLOW)
129.90	131.80	QUARTZ PHYRIC, TUFFACEOUS WACKE
131.80	139.60	FELSIC TUFF, LAPILLI
139.60	139.90	FAULT
139.90	159.70	CARBONACEOUS META-SILTSTONE
		CARBONACEOUS MUDSTONE/ARGILLITE
159.70	172.80	CARBONACEOUS WACKE
172.80	178.40	MAFIC SILL
178.40	182.60	CARBONACEOUS META-SANDSTONE
		CARBONACEOUS META-SILTSTONE
182.60	189.40	CARBONACEOUS MUDSTONE/ARGILLITE
189.40	190.80	CARBONACEOUS META-SANDSTONE

Checked and signed: _____ Date: _____

HOLE NO: K97-180 SECTION:L 4750 E GRID:5605 N

190.80	206.80	CARBONACEOUS MUDSTONE/ARGILLITE CARBONACEOUS META-SANDSTONE
206.80		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

K97-180

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	9.10	Overburden							
9.10	20.40	Quartzite Siltstone	S	S					
		Moderate to strongly broken interval of micaceous, carbonaceous meta-sandstone. Pale to medium grey, fine to medium-grained, weakly biotitic and carbonaceous sandstone. Anastomosing biotitic/carbonaceous partings impart a banded to psuedo-fragmental texture. Abundant 1 cm to 1 m thick, black, carbonaceous to graphitic mudstone/argillite interbeds throughout. Pyrite occurs as trace disseminations and blebs. S2 foliation at 60 to ca at 10.6 m and 70 to ca at 18.9 m. Quartz veining present from 13.0-13.4 m and 19.7-20.2 m. Unit is strongly biotitic and schistose from 19.5-19.7 m. Thin chlorite-amph-biotite-calcite schist (mafic dyke) at 20.2-20.4 m. Quartz veining appears focused along lithological contacts.	S	S	1.00				
20.40	25.30	Fault Angular to rounded quartz, quartzite, argillite, meta-basite and pyrite clasts set in a sandy to clay-rich, finely comminuted matrix. Solid core sections consist of quartz veined meta-basite and argillite which display layering parallel to foliation at 0-10 to ca.	S	S					
25.30	29.80	Argillite/Phyllite Sandstone Thin interbedded argillite and sandstone comprising mm to dm scale interbands of pale to medium grey, fine-grained carbonaceous+biotitic sandstone and black, finely kyanite porphyroblastic, carbonaceous to locally graphitic, biotitic meta-mudstone/argillite with minor pyrite blebs, disseminations, porphyroblasts and veinlets. Trace pyrhotite-chalcopyrite disseminations; minor calcite veinlets/fracture fillings. Strong quartz-tourmaline veining between 28.1-29.6 m. Strongly broken core from 29.6-30.2 m. S2 foliation at 70-80 to ca.	S	G	1.00	1.00	1.00		
29.80	41.50	Carbonaceous Mudstone/Argillite Dark grey to black, carbonaceous to locally graphitic, calcareous (white bands/patches) argillite/meta-siltstone. Biotitic partings throughout; minor biotite schist locally. Argillite grades locally into dark grey, carbonaceous+biotitic, fine sandstone. Minor pyrite blebs, disseminations and veinlets throughout; locally trace pyrhotite-chalcopyrite disseminations. Short interval of light grey, siliceous, biotitic to sericitic felsic lapillistone with apparent fragmental texture at 40.3-41.4 m. Qtz-cc+tour veining	G	S	1.00	1.00	1.00		

Kudz Ze Kayah
DRILL LOG

K97-180

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		at 34.0-34.2, 36.0-36.3 and 41.4-41.5 m.							
41.50	43.40	Mafic Sill Weakly foliated, medium green, chloritic and calcitic amphibolite sill/dyke with dark brown, biotitic chilled margins. Strong quartz-tour+cc-pyrite veining at 42.4-43.4 m. S2 foliation at 80 to ca.	S	S					
43.40	47.20	Carbonaceous Mudstone/Argillite As per 29.8-41.5 m interval, with short intervals of interlayered meta-sandstone and moderate to strong quartz-tourmaline-calcite veining throughout. Locally up to 5% pyrite as veinlets, blebs and fracture coatings; minor trace pyrhotite. Unit is locally biotitic with minor, very fine kyanite porphyroblasts (ie. 46.5 m).	S	S	2.00	1.00			
47.20	64.20	Siliceous/Cherty Argillite Dark grey to black carbonaceous to locally graphitic, strongly siliceous to cherty argillite/mudstone thickly interlayered with light grey and dark grey/bl;ack, banded to ribboned carbonaceous meta-chert. Schistose biotitic zone from 53.4-53.5 m interlayered with minor zone of pyritic and graphitic argillite. S1 at acute angles to S2 suggesting fold hinge zone from 50.1-51.7 m. Minor isoclinal parasitic folds througfhout remainder of unit. Coarser grained (sandy), though still siliceous from 58.5-59.8 m. Short zone of siliceous, biotitic foliated rock with very fine, slightly pinkish, generally equant, idioblastic porphyroblasts and very thin pyrite veinlets/disseminations from 60.4-60.6 m. Quartz veins with meta-basite xenoliths at 63.6-63.8 m.	S	S					
64.20	66.80	Mafic Sill Medium to dark green, fine-grained uniform meta-basite sill/dyke with fine biotite porphyroblasts. Chloritic (retrograde?) amphibolite with minor thin clacite bands are present.	S	S	1.00				
66.80	69.50	Carbonaceous Meta-Chert Pale to black, massive to ribbon textured, weak to moderately carbonaceous meta-chert. S1 at low angles to S2 (fold hinge zone) from 69.0-69.2 m.	S	S					
69.50	71.00	Mafic Sill As above; with strong quartz veining and minor pyrite disseminations/blebs. Carbonaceous chert xenolith at 69.8 m.	S	S	1.00				
71.00	83.00	Carbonaceous Meta-Siltstone Mixed interval of predominantly, dark grey to black, siliceous to locally cherty, carbonaceous to graphitic, very fne-grained meta-siltstone/argillite with thin interlayers of fine-grained carbonaceous meta-sandstone (74.3-74.3 m, 75.6-75.7 m) and reddish brown biotite schist (71.6-71.7 m, 72.3-72.4 m, 75.4-75.5 m) and a thicker zone of pale grey to dark grey/black, banded, carbonaceous meta-chert at 72.6-75.1 m. Meta-siltstone/argillite is weak-moderately calcareous and strongly carbonaceous with thin	S	S	3.00	1.00			

Kudz Ze Kayah
DRILL LOG

K97-180

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		graphitic partings. Unit becomes more uniformly graphitic from 77.1-83.0 m. Fine to coarse pyrite occurs as disseminations and blebs and thin fracture filling veinlets and foliation parallel seams (generally <1.2 mms). Pyrite content increases within graphitic intervals (up to 5%). Minor pyrhotite occurs with pyrite. S2 at 75-80 to ca.							
83.00	89.80	Carbonaceous Meta-Sandstone Zone of predominantly medium grey, fine-grained, foliated, carbonaceous and biotitic, siliceous meta-sandstone with black graphitic partings and thin interlayered black, carbonaceous to graphitic meta-sltstone/argillite. Unit becomes thinly interlayered (mixed) with black Meta-siltstone/argillite by 87.5 m. Biotitic meta-basite present at 88.9-89.1 m. Quartz veining at 88.0-88.1 m. Pyrite/pyrrhotite occurs as fine disseminations/blebs and thin veinlets throughout. S2 at 80 to ca.	S	G	2.00	1.00			
89.80	96.80	Carbonaceous Mudstone/Argillite Black, moderate to strongly siliceous, strongly carbonaceous/graphitic argillite/meta-siltstone with abundant graphitic partings. Locally abundant py/po disseminations/blebs and veinlets/seams. Strong quartz-calcite veining at 92.6-95.3 m. Biotitic and chloritic meta-basite sills/dykes at 94.7-95.3 m. Argillite is locally calcareous, particularily towards the base of the unit. S2 at 80 to ca.	G	S	2.00	1.00			
96.80	100.80	Mafic Sill Moderate-strongly foliated biotitic, chloritic, uniform textured amphibolite sill/dyke; as above. S2 at 70 to ca.	S	S					
100.80	103.40	Carbonaceous Mudstone/Argillite As above.	S	S	2.00	1.00			
103.40	106.90	Quartz Phyric, Tuffaceous Wacke Thickly layered, uniform/massive, weakly foliated, medium grey, medium grained sandstone/wacke with 10-15%, 1-3 mm, blue quartz crystals throughout. Thin (<1 cm) black, graphitic argillite bands are common. Minor disseminated/veinlet pyrite and trace pyrhotite occur throughout. S2 at 85 to ca.	S	S	1.00	1.00			
106.90	111.80	Carbonaceous Mudstone/Argillite Mafic Sill Thinly banded, black/grey/greyish white, weak to moderately calcareous and carbonaceous to graphitic, moderately to strongly siliceous to locally cherty argillite/meta-mudstone with common thin interlayered units of carbonaceous, fine-grained meta-sandstone and numerous meta-basite sill/dykes (108.7-108.9 m, 110.2-110.3 m, 110.9-111.8 m). Minor py/po disseminations/blebs and veinlets occur throughout. Quartz-pyrite vein at 108.1-108.2 m. S2 at 80 to ca.	S	S	2.00	1.00			

Kudz Ze Kayah
DRILL LOG

K97-180

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
111.80	129.90	Carbonaceous Argillitic Fragmental (Debris Flow) As above; however, unit contains fine-grained meta-sandstone clasts supported in an argillaceous matrix. S2 at 70-85 to ca.	S	S	2.00	1.00			
129.90	131.80	Quartz Phyric, Tuffaceous Wacke As above. Meta-basite sill/dyke at 129.6-129.9 m.	S	S	1.00	1.00			
131.80	139.60	Felsic Tuff, Lapilli Black biotite speckled, white/yellowish grey to dark grey, strongly foliatred unit with ovoid lenses of quartz. set in a sericite-biotite matrix imparting a curdy to fragmental texture to the rock (epiclastic felsic lapilli tuff). Fine-medium grained biotite porphyroblasts occur throughout. Meta-basite sill/dyke at 133.1-133.7 m.	S	S					
139.60	139.90	Fault Zone of strongly broken and crushed carbonaceous to graphitic argillite. Graphitic sections contain up to 10% coarse recrystallized pyrite.	S	S	5.00				
139.90	159.70	Carbonaceous Meta-Siltstone Carbonaceous Mudstone/Argillite Dark grey, thinly layered, very fine-grained, carbonaceous meta-siltstone with graphitic partings and interlayered black graphitic argillite/meta-mudstone. Unit becomes more sandy, less silty down hole. Generally thin (cm scale) white quartz-calcite lenses (clasts?) common. Minor finely disseminated py/po and pyritic seams/blebs/veinlets up to 1x4 cm in size are present. Reddish brown biotite common throughout; biotite content increases down hole, particularily at 159.4-159.7 m, which consists of 30 cm of quartz veining with biotite bands. S2 at 70-80 to ca.	S	S	1.00	1.00			
159.70	172.80	Carbonaceous Wacke Dark brownish grey to locally greenish grey, strongly foliated, moderately siliceous, weak to moderately calcareous, strongly biotitic schistose unit. Short intervals of black carbonaceous argillite at 159.8-160.0 m. Greenish grey, chloritic yet siliceous zone at 161.4-162.1 m. Locally strong quartz veining/sweats. Minor py/po disseminations/ blebs and veinlets. Unit becomes less biotitic and increasingly carbonaceous from 164.3 m onwards. Meta-basite sill/dykes at 166.1-166.4 m, 169.1-169.2 m. Faults at 169.8-169.9 m and 170.7-171.1 m. S2 at 70-80 to c.	S	S	1.00	1.00			
172.80	178.40	Mafic Sill As above; unit is strongly calcareous with calcite bands <1-2 cms wide. Short intervals of meta-siltstone at 177.1-177.3 m and meta-sandstone at 176.5-176.9 m. S2 at 85 to ca.	S	S					

Kudz Ze Kayah
DRILL LOG

K97-180

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
178.40	182.60	Carbonaceous Meta-Sandstone Carbonaceous Meta-Siltstone Pale to medium grey, carbonacous and siliceous, fine-grained meta-sandstone and thinly interlayered dark grey to black strongly carbonaceous to graphitic meta-siltstone/mudstone/argillite. Local quartz veins/sweats up to 13 cms are present. S2 at 80 to ca.	S	S	1.00	1.00			
182.60	189.40	Carbonaceous Mudstone/Argillite Black. Very fine-grained graphitic argillite with minor thin meta-sandstone interlayers. Abundant pyrite occurs as disseminations, blebs and veinlets/fracture fillings throughout. Short interval of strongly pyritic felsic tuff from 184.5-184.75 m. Meta-basite sill/dykes at 188.1-188.2 m, 188.8-189.2 m. Quartz vein/sweats at 185.6-185.8 m. Graphitic fault zone at 185.2-185.6 m. S2 at 85 to ca.	S	G	3.00	1.00			
189.40	190.80	Carbonaceous Meta-Sandstone Light grey, strongly siliceous fine-grained carbonaceous meta-sandstone with very thin black graphitic partings. S1 at acute angles to S2 suggesting a fold hinge zone. Minor interlayered graphitic argillite. S2 at 80 to ca. Minor py/po disseminations and veinlets/seams.	G	G	1.00				
190.80	206.80	Carbonaceous Mudstone/Argillite Carbonaceous Meta-Sandstone Thinly banded interlayered black graphitic argillite and pale to medium grey carbonaceous, fine-grained meta-sandstone with graphitic partings. Overall unit is a sandy siltstone. Py is common throughout.UNit is moderately biotitic from 191.6-198.5 m which includes a thin meta-basite sill/dyke at 196.6-196.9 m. Minor fault at 199.5 m. Strong quartz veining from 201.5-202.0 m. S2 at 80 to ca.	G	S	2.00	1.00			

*** END OF HOLE *** 206.80

093848

HOLE NO: K97-181 SECTION: GRID:

PROJECT CODE : KUDZ ZE KAYAH
TENEMENT : TAG
PROSPECT :
GRID :
MAP REFERENCE : 105 G 7
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	0.00 mN	0.00 mE	0.00 RL

Pre-collar depth: Final depth: 130.10

Purpose of hole: TEST 1997 UTEM ANOMALY
Hole status:

Comments:

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	180.00	-60.00

*** SUMMARY LOG ***

0.00	12.20	QTZ-SER-CO3 SCHIST
12.20	12.90	BIOTITE (CHLORITE)/CALCITE SCHIST
12.90	13.80	WISPILY LAMINATED SX WIL SIL
13.80	14.55	PYRITE-MASSIVE TEXTURE
14.55	16.95	WISPILY LAMINATED SX WIL SIL
16.95	17.65	PYRITE-MASSIVE TEXTURE
17.65	19.30	CPY/PO NETWORK SULPHIDES
19.30	19.60	QUARTZ VEIN

*** SIGNIFICANT ASSAYS ***

From	To	Width
12.90	19.60	6.70
20.10	21.00	0.90
26.10	26.20	0.10
32.50	32.60	0.10
38.50	38.60	0.10
45.00	45.10	0.10
51.00	51.10	0.10
53.20	53.30	0.10
57.40	57.50	0.10
64.00	64.10	0.10
69.10	69.20	0.10
70.40	70.50	0.10
74.90	75.00	0.10
78.00	78.10	0.10
84.50	84.60	0.10
86.35	87.35	1.00
89.60	89.70	0.10
92.00	92.10	0.10
95.90	96.00	0.10
101.20	101.30	0.10
107.70	107.80	0.10
111.80	111.90	0.10
115.90	116.00	0.10
120.20	120.30	0.10
124.00	124.10	0.10
129.90	130.00	0.10

Checked and signed: _____ Date: _____

HOLE NO: K97-181 SECTION: GRID:

19.60	32.00	FZ RIBBONED
32.00	39.00	FZ FRAGMENTAL
39.00	57.15	FX FRAGMENTAL
57.15	58.20	SER/CHL/QTZ SCHIST
58.20	67.90	FX FRAGMENTAL
67.90	75.00	FELSIC TUFF, LAPILLI
75.00	79.00	FZ FRAGMENTAL
79.00	80.00	CHLORITE/CALCITE/BIOTITE SCHIST
80.00	81.60	FX FRAGMENTAL
81.60	82.60	CHLORITE/CALCITE/BIOTITE SCHIST
82.60	83.20	FAULT
83.20	86.40	CHLORITE/CALCITE/BIOTITE SCHIST
86.40	91.20	FX FRAGMENTAL
91.20	95.20	FELSIC TUFF, CRYSTAL
95.20	105.80	FELSIC TUFF, LAPILLI
105.80	112.90	CHLORITE/SER/QTZ/SCHIST
112.90	117.80	FX FRAGMENTAL
117.80	122.60	FELSIC TUFF, LAPILLI
122.60	130.10	CHLORITE/SER/QTZ/SCHIST
130.10		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

K97-181

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
0.00	12.20	Qtz-Ser-CO3 Schist Strongly Altered Aphyric Rhyolite Strongly silicified and sericitized ("yellow sericite", strongly foliated, aphyric rhyolite. Minor disseminated pyrite and 1-2 mm wide pyrite bands.	S	S	1.00				
12.20	12.90	Biotite (Chlorite)/Calcite Schist Biotite - Calcite Schist Strongly schistose biotitic rock with abundant <1-12mm wide calcite bands/seams. Possible minor chlorite content.	S	S					
12.90	13.80	Wispily Laminated SX wil SIL Sulphide Rock Wispy laminated, buckshot-textured pyrite and sphalerite rock with very thin magnetite bands and minor (<10%) dolomite/ankerite gangue patches/seams. Fine-med grained sulphides.	S	S	75.00		1.00	0.00	15.00
13.80	14.55	Pyrite-Massive Texture Sulphide Rock Weakly banded to massive buckshot - textured pyrite rock with minor very thin magnetite bands/wisps and minor (<10%) dolomite/ankerite gangue patches/seams. Fine-med grained sulphides.	S	S	85.00		2.00	0.00	2.00
14.55	16.95	Wispily Laminated SX wil SIL Sulphide Chlorite Rock Banded chalcopyrite-pyrrhotite chlorite rock with dark green chloritized albite porphyroblasts (up to 15mm) and dark green chloritic matrix. Abundant sphalerite, with minor galena. Primarily interlayered with chalcopyrite and pyrhotite. Trace light grey/silver metallic mineral (apy? sulphosalt?), particularly at 16.5-16.6m. Medium to coarse grained sulphides.	S	S	10.00	20.00	33.00	1.00	12.00
16.95	17.65	Pyrite-Massive Texture Sulphide Rock Massive to brecciated, buckshot textured pyrite rock with abundant (20-25%) dolomite/ankerite +- chloritic matrix gangue and cpy/po - rich re-mobilized fracture fillings. Abundent sphalerite with pyrite. Trace galena. Medium to coarse grained sulphides. Rock becomes banded over bottom 25cm.	S	S	60.00	5.00	4.00	0.00	7.00
17.65	19.30	CPY/PO Network Sulphides Sulphide Chlorite Rock Net textured chalcopyrite + pyrhotite with abundant dark green chloritic gangue. Common dark green chloritized albite porphyroblasts (up to 20mm). Fine-med grained py+sph; coarse grained chalcopyrite + pyrhotite (as per remainder of sulphide zone).	S	S	10.00	20.00	35.00	0.00	3.00
19.30	19.60	Quartz Vein Quartz Carbonate Vein With Sulphides Quartz dolomite/ankerite vein with coarsely grained sericite schist inclusions. Coarse-grained remobilized chalcopyrite,pyrhotite,sph and minor pyrite.	S	S	1.00	0.00	5.00		1.00

Kudz Ze Kayah
DRILL LOG

K97-181

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
19.60	32.00	FZ Ribboned Ribboned - Textured Quartz Sericite Carbonate Rock Waxy yellow sericite. Strongly siliceous rock. Possible quartz phyric rhyolite. Pyrite disseminations and very thin (1-3mm) lenses and thin (3-15mm) bands. Ribbony texture due to transposition. (Ie. S1 @ acute angles to s2) signature of a fold hing zone.	G	G	3.00	0.00			0.00
32.00	39.00	FZ Fragmental As per 19.60-32.0m except more 'fragmental textureds likely still within fold hinge zone as indicated by transposition textures / symmetic folds.	G	G	2.00	0.00			
39.00	57.15	FX Fragmental 'Fragmental-Textureds Quartz Sericite +- Biotite/Carbonate rock. Biotite patches and bands increase down hole until rock takes on an Wacker/Arkose type appearance. Minor clay rich slips at 45.65-45.75m, and between 46.0-46.1m. Quartz vein at 45.6-45.65m. Quartz-tourmaline pyrite vein at 0-10deg to c/a @55.4-57.0m. Sparse, fine grey quartz eyes. Possible quartz-phyric rhyolite.	S	S					
57.15	58.20	SER/CHL/QTZ Schist Sericite Biotite Quartz (+-chlorite) schist - strongly foliated with biotite rich margins. Quartz veining is moderate to strong throughout.	S	S					
58.20	67.90	FX Fragmental As per 39.0-57.15m but only minor biotite content throughout. Approximately 5% siliceous pyrite +- pyrhotite lenses/bands (fragments?) throughout (1-20mm in width) with trace sphalerite. Distinct yet sparse grey to blue-grey 2-4mm quartz eyes which increase in abundance down hole.	S	S	3.00	0.00			0.00
67.90	75.00	Felsic Tuff, Lapilli Quartz + White Feldspar Phyric, Quartz + (grey)Sericite Rock Common (10%) grey-blue, 2-4mm round, quartz eyes and coarse (4-8mm round)white feldspar porphyroclasts. Local concentrations of dark green chloritoid? porphyroblasts (eg 72.5m to 72.9m) Crystal - rich zones commonly separated by crystal poor mmore uniformly schistose zone. Possible sheared altered QFP or QF crystal lapilli tuff. Short, finely biotite speckled, biotite-sericite-carbonate schist. Units @ 68.85-69.25, 70.0-70.9m. Crude gradational alterations of grystal rich and crystal poor zones - may represent relict grading textures indicative of volcaniclastic turbidites.	S	S	2.00	1.00			
75.00	79.00	FZ Fragmental Similar appearance as unit above but rock is becoming more siliceous and 'yellows sericitic down hole.	S	S	3.00	1.00			

Kudz Ze Kayah
DRILL LOG

K97-181

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
79.00	80.00	Chlorite/Calcite/Biotite Schist Porphyroblastic Chlorite Biotite Carbonate Schist.	S	S					
80.00	81.60	FX Fragmental Similar rock as per 75.0-79.0m but greyish green sericite now.	S	S					
81.60	82.60	Chlorite/Calcite/Biotite Schist As per 79.0-80.0m	S	S					
82.60	83.20	Fault Clay rich fault gouge with rounded milled clasts	S	S					
83.20	86.40	Chlorite/Calcite/Biotite Schist As per 79.0 - 80.0m with calcite ovoids (<4mm).	S	S					
86.40	91.20	FX Fragmental As per 80.0-81.60m; sheared QFP or graded crystal tuffs. Approximately 6% py/po and minor sphalerite and trace galena overall.	S	G	4.00	2.00		0.00	0.00
91.20	95.20	Felsic Tuff, Crystal Medium Grey Moderately Siliceous and (grey) Sericitic Rock Uniformly granular (blue+grey) quartz - crystal rhyolite tuff (or sheared quartz-phyric flow) minor disseminated py/po.	S	S	2.00	1.00			
95.20	105.80	Felsic Tuff, Lapilli Moderately Siliceous and (grey) Sericitic, 'Fragmentals Textured Meta Rhyolite - Probable Lithic Lapilli Tuff Blue - grey quartz eyes present throughout. Short finely biotite-speckled zones. Short zone of biotite sericite - carbonate rock @ 101.6-102.3m.	G	S	3.00	0.00			0.00
105.80	112.90	Chlorite/Ser/Qtz/Schist Chlorite - Sericite Quartz Carbonate Schist Medium green and strongly chloritic and sericitic rock with minor dolomite/quartz and dolomite bands/lenses. Intermediate intrusive? Chloritized felsic? Finely disseminated pyrhotite,pyrite and chalcopyrite throughout; locally up to 1% chalcopyrite. Minor qz veins. Lower boundary is gradational with wide zones of interlayered MY/FXXF.	S	S	1.00	1.00	0.00		
112.90	117.80	FX Fragmental As per 39.0-57.15m: Quartz - phyric, stronglysiliceous and wericitic rock which grades down hole to moderately siliceous and sericitic plus carbonate bearing (dol/ank) rock.	G	G	3.00	1.00		0.00	0.00
117.80	122.60	Felsic Tuff, Lapilli 'Fragmental - Textureds Quartz Sericite Chlorite Carbonate Rock Minor disseminated py/po +- trace sph. Unit becomes more chloritic down hole.	S	S	1.00	1.00			0.00
122.60	130.10	Chlorite/Ser/Qtz/Schist Chlorite - Sericite +- Quartz +- Carbonate Schist As per 105.8-112.9m, minor disseminated pyrhotite +- pyrite.	G	S	0.00	1.00			

*** END OF HOLE *** 130.10

Kudz Ze Kayah

HOLE NO: K97-182 SECTION: GRID: K97-182

093848

PROJECT CODE :KZK
TENEMENT :TAG
PROSPECT :
GRID :
MAP REFERENCE :5050
LOCATION :4400N,4750E
HOLE TYPE :

*** COLLAR COORDINATES AND RL ***

NOMINAL	0.00mN	0.00mE	0.00RL

Pre-collar depth: Final depth: 136.00

Purpose of hole: TEST EM AND MAG
Hole status:
Comments:

*** DRILLING SUMMARY ***

DDH	0.00 135.90 NQ
Drill contractor:	DJ DRILLING
Drill rig:	SKID DRILL
Date started:	26/8/97
Date finished:	26/8/97
Logged by:	JP/DR
Relogged by:	
Sampled by:	DR

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

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	0.00	-60.00

*** SUMMARY LOG ***

0.00	7.00	OVERBURDEN
7.00	15.00	ALTERATION - TYPICAL MODERATE FELSIC TUFF
15.00	15.60	ALTERATION - TYPICAL MODERATE QTZ-SER-CO3 SCHIST
15.60	16.50	ALTERATION TYPICAL - STRONG
16.50	17.50	ALTERATION - TYPICAL MODERATE QTZ-SER-CO3 SCHIST
17.50	18.00	ALTERATION TYPICAL - STRONG

*** SIGNIFICANT ASSAYS ***

From	To	Width
8.20	8.30	0.10
14.10	19.50	5.40
20.40	20.50	0.10
26.60	26.70	0.10
32.50	32.60	0.10
35.50	35.60	0.10
38.40	48.80	10.40
52.00	52.10	0.10
58.00	58.10	0.10
64.00	64.10	0.10
65.20	68.20	3.00
70.30	70.40	0.10
70.50	74.10	3.60
76.00	76.10	0.10
82.50	82.60	0.10
88.40	88.50	0.10
94.40	94.50	0.10
100.80	100.90	0.10
106.40	106.50	0.10
111.70	111.80	0.10
124.00	124.10	0.10
130.00	130.10	0.10
134.90	135.00	0.10

Checked and signed: _____ Date: _____

HOLE NO: K97-182 SECTION: GRID:

18.00	23.40	ALTERATION-TYPICAL WEAK QTZ-SER-CO3 SCHIST
23.40	26.40	QTZ-SER-CO3 SCHIST
26.40	30.60	ALTERATION-TYPICAL WEAK QTZ-SER-CO3 SCHIST
30.60	30.90	ALTERATION TYPICAL - STRONG
30.90	38.40	ALTERATION - TYPICAL MODERATE FZ RIBBONED
38.40	48.60	ALTERATION TYPICAL - STRONG FELSIC TUFF, CRYSTAL
48.60	50.65	ALTERATION - TYPICAL MODERATE QTZ-SER-CO3 SCHIST
50.65	51.20	ALTERATION TYPICAL - STRONG QTZ-SER-CO3 SCHIST
51.20	60.60	ALTERATION - TYPICAL MODERATE FZ RIBBONED FZ FRAGMENTAL
60.60	65.25	ALTERATION - TYPICAL MODERATE FZ RIBBONED FZ FRAGMENTAL
65.25	68.25	ALTERATION TYPICAL - STRONG QTZ-SER-CO3 SCHIST
68.25	72.70	ALTERATION-TYPICAL WEAK QTZ-SER-CO3 SCHIST
72.70	77.40	QTZ-SER-CO3 SCHIST
77.40	80.70	FELSIC TUFF, CRYSTAL FELSIC TUFF, LAPILLI
80.70	84.20	FELSIC TUFF, CRYSTAL FELSIC TUFF, LAPILLI
84.20	85.20	FELSIC FLOW
85.20	90.70	ALTERATION - TYPICAL MODERATE FELSIC TUFF, CRYSTAL
90.70	93.00	ALTERATION - TYPICAL MODERATE FELSIC TUFF, LAPILLI

Checked and signed: _____ Date: _____

HOLE NO: K97-182 SECTION: GRID:

93.00	94.00	ALTERATION - TYPICAL MODERATE FELSIC TUFF, CRYSTAL
94.00	107.50	ALTERATION - TYPICAL MODERATE FX GRANULAR
107.50	127.20	ALTERATION - TYPICAL MODERATE FX RIBBONED FX FRAGMENTAL
127.20	132.40	ALTERATION - TYPICAL MODERATE FX GRANULAR
132.40	136.00	FX GRANULAR
136.00		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

K97-182

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	7.00	Overburden CASING/OVERBURDEN	S	S					
7.00	15.00	Alteration - Typical moderate Felsic Tuff Moderately Jade Green Chlorite/Biotite Some Brown Biotite Altered Felsic Tuffs (possibly fine lapilli Tuffs) Succession of felsic rocks composed of quartz and sericite but overprinted by 'chlorites and biotite to give green to pale green and wispily brown mottled colouration. Rock looks like somewhat atypical alteration associated with ore envelope. Intervals at 10-30cm spacing showing white lensoidal quartz forms 1-20mm long, 1-5mm thick that may be lapilli. Section seems to show cyclical variation from finer rocks to intervals hosting ?? 'lapillis that make section resemble Felsic tuff/lapilli tuff intervals seen high in felsic package and low below 181 hole. 1-2% fine 0.1-2mm iron sulphides both pyrhottite and pyrite disseminated in rock. Traces of chalcopyrite evident. Foliation 85 deg to c/a.	S	S	1.00	1.00	0.00		
15.00	15.60	Alteration - Typical moderate Qtz-Ser-CO3 Schist Moderately Jade Green Chlorite/Biotite Some Brown Biotite Altered Quartz - Sericite - Iron Carbonate Schist. Fine yellow grey to buff very strongly foliated granular textured quartz, sericite, iron carbonate schist (somewhat resembling Fz ore host) coloured in mottled fashion as in previous section by green chlorite/biotite and brown biotite. Disseminated flakes of brown biotite are common. 1-2% fine pyrite and pyrhottite as in previous section. Foliation at 85 deg to c/a.	G	G	1.00	1.00			
15.60	16.50	Alteration Typical - Strong Jade Green Chlorite/Biotite Rock with Abundant (20%) Sulphide Distinctive jade green soft chlorite, biotite rock with some lusterous white mica flakes (sericite/muscovite?). Sulphides form about 20% of rock, with 15% bronze coloured 1-5mm wispy lensoidal seams of pyrhottite 2-3% 1-10mm aggregates of chalcopyrite, 2-3% patches of maroon brown sphalerite (possibly more- difficult to distinguish from biotite) About 2% pyrite is locally present. Some darker 1-3mm clots are more magnetic than pyrhottite and may include fine magnetite. Foliation at 85 deg to c/a.	G	S	2.00	15.00	2.50		3.00
16.50	17.50	Alteration - Typical moderate Qtz-Ser-CO3 Schist Moderately Altered (Jade Green Chlorite/Biotite & Brown Biotite Replaced) Quartz Sericite - Iron Carbonate Schist (Felsic Tuff? originally) As 15.0-15.6.	S	S	1.00	1.00	0.00		

Kudz Ze Kayah
DRILL LOG

K97-182

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
17.50	18.00	Alteration Typical - Strong Strongly Altered Jade Green Chlorite, Biotite Rock with Muscovite, Sericite, Iron Carbonate Seams. Similar overall rock mineralogy as previous Alteration Typical - Strong unit. In first 20cm of interval, 5% chalcopyrite clots, almost developing net texture (analogous to CPY/PO Network Sulphides ore rock) with <= 5% weakly banded pyrhotite. Last 30cm decrease in chalcopyrite to < 1% with increase in bt speckles and seamlets.	S	S					
18.00	23.40	Alteration-Typical weak Qtz-Ser-CO3 Schist Weakly Jade Green Coloured, Grey-Brown Coloured Chlorite Biotite Sericite Schist (Altered Felsic Tuffs?) Similar succession of felsic tuffs as previously described, only less intensly chlorite (in paticular) altered, weaker mottling. Overall, an increase in sericite imparts a waxy green-yellow colour to this section. Weak chlorite clots throughout, increase in fine grained banded biotite in 22.1-22.5m. At the beginning and end of this sub unit are 5-10cm concentrations of disseminated 1mm black magnetite? speckles. Last m of major interval, fairly sericite rich, biotite,chlorite poor. Few clear qz eyes and small milky white silica forms (lapilli?). 3% pyrhotite (often with chl+bt mottles) occurs as disseminations and as bands throughout.	S	S	0.00	3.00			
23.40	26.40	Qtz-Ser-CO3 Schist Light Green Quartz Sericite Iron Carbonate Schist Patches, clots and wisps of buff coloured iron carbonate (some after earlier porphyroblasts?) in a light green-waxy yellow highly foliated sericitic rock. A few minor creamy siliceous forms and lenses a few mm-1cm in size (lapilli?) minor qz eyes (clear) too. Little sulphides, 1-2% pyrhotite disseminated with 1% pyrite and in minor bands. Py in late fractures and late qz tourmaline/po vein. 25.5m few cm gouge, v soft sericite mush - fault. 26-26.3 fractured core - fault	G	S	1.00	2.00			
26.40	30.60	Alteration-Typical weak Qtz-Ser-CO3 Schist Weak Jade Green, Grey-Brown Chlorite Biotite Schist - Weakly Altered Felsic (lapilli?) Tuffs Similar to 18-23.4m, except more buff coloured iron carbonate bands and pods and increase in lapilli and pyrite. First 30cm of interval moderately biotite altered (banded), with fine mm sized 1-2% disseminated black grains (black metallic- magnetite?) often rimmed by a buff coloured mineral (Fe Carb?) and/or biotite.	G	S	4.00	5.00	0.00		

Kudz Ze Kayah
DRILL LOG

K97-182

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		Silica forms more obvious and perhaps more abundant? (seen as creamy lenses a few mm-cm in size) Py and chalcopyrite in late fractures 4-5% pyrite,pyrhotite forming wispy bands and disseminations with minor sphalerite? @ 25.5 few cm gouge, sericitic flour - fault. @ 26-26.3 Fractured core - fault.							
30.60	30.90	Alteration Typical - Strong Strong Jade Green Coloured Chlortie Biotite Schist with Minor Blue Quartz Eyes (Minor Sulphides) Fine grained soft chlorite rock, biotite speckles and weak biotite bands. Much less sulphides than in previous intervals of this altered unit. 1% pyrite and pyrhotite occur as fine slivers and disseminations. Trace dissem chalcopyrite and sphalerite?	S	S					
30.90	38.40	Alteration - Typical moderate FZ Ribboned Moderate Jade Green Chlorite Biotite Altered minor Fr Carbonate Quartz Sericite Schist - Felsic (Tuffs?) Ribboned (Lapilli?) Silica Forms Locally more strongly chlorite altered imparting darker colour variation. Creamy siliceous lenses a few mm thick ribboned between waxy yellow green sericite partings. S2 crossed by S3. Up to 4-5% brassy pyrhotite in wisps and clots throughout interval with minor 2% pyrite with trace disseminated chalcopyrite.S2 cut by S3. 35.50-35.65 Alteration Typical - Strong Dark Jade Green Chlorite Biotite Rock with 10% Sulphides As before, with 5-8% brassy pyrhotite, and minor 1% pyrite forming clots and wisps throughout. <1% dark black eu-subhedral mm sized grains of magnetite?. Minor deformed silic lenses.	S	G	2.00	4.00	0.00		
38.40	48.60	Alteration Typical - Strong Felsic Tuff, Crystal Dark Jade Green Chlorite Biotite Blue Quartz Eye Schist With Locally Abundant Sulphides (20%) Good 1-5mm blue quartz eyes up to 7% crowded eyes in sections, generally evenly dispursed throughout interval. Buff iron carbonate clots and pods. Locally less chloritic, more waxy green - sericite rich. 38.40-40.40 Alteration Typical - Strong Very chlorite rich, weakly mineralized, good wispy and clotty sphalerite with biotite and Fe carbonate at 38.7m - with med grained disseminated pyrite cubes. Minor dk blk magnetite cubes <1% disseminated throughout interval. 40.40-41.55 Alteration Typical - Strong More sulphide rich interval with good clotted, almost net textured chalcopyrite particularly in first 40cm of interval. Overall, a less chlorite rich portion of interval with increase in sericite and Fe carbonate. Sp, chalcopyrite, in quartz-carbonate bands and clots, with minor magnetite grains. Latter part of interval very intensly chlorite altered with sphalerite and pyrhotite as wispy clots and bands throughout. Minor patches and wisps of chalcopyrite. Blue quartz eyes common in latter	S	G					

Kudz Ze Kayah
DRILL LOG

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		portion of interval. 43.20-44.90 Alteration Typical - Strong Locally, abundant sulphides. First 50cm of interval, excellent bands and clots (some net textured) sphalerite with Fe carbonate, pyrhotite and minor chalcopyrite. Fine grained intense soft chlorite rock with a few splashes of chalcopyrite in 1 cm bands with clotty pyrhotite and as slivers throughout.							
48.60	50.65	Alteration - Typical moderate Qtz-Ser-CO3 Schist Moderate Jade Green Chlorite Biotite Altered minor Fe Carbonate Quartz Sericite Schist - Felsic (Tuffs?) As previous, granular to weakly fragmental, trace sulphides (pyrhotite,pyrite)	G	G	0.00	0.00			
50.65	51.20	Alteration Typical - Strong Qtz-Ser-CO3 Schist Strong Jade Green Chlorite Altered Felsic (lapilli?) Tuff	S	S					
51.20	60.60	Alteration - Typical moderate FZ Ribboned FZ Fragmental Moderate Jade Green Chlorite (minor Bt) Schists with Minor Blue Quartz Eyes and (fragmental?) Silica Forms. Pseudofragmental texture imposed by crossing S2 silica ribbons(85deg to c/a) & S3 (65 deg to c/a) seticitic/chloritic foliations. Locally darker coloured intensly chlorite altered intervals with good contrast to blue quartz eyes.	G	G					
60.60	65.25	Alteration - Typical moderate FZ Ribboned FZ Fragmental Mixed Interval of Predominantly Dark Green Chlorite Altered Schists with Moderately Altered Chloritic (Biotitic) Quartz Sericite Schists. As previous interval, however, chloritic bands predominate. Quartz-Carbonate veins and clots common throughout. Black biotite speckles in more chloritic intervals. Minor disseminated chalcopyrite, and slivers and veinlets of po/py, in comparison to previous intervals, little sulphides throughout.	G	G					
65.25	68.25	Alteration Typical - Strong Qtz-Ser-CO3 Schist Predominantly Dark Green Chlorite Altered Schists Interval very similar to above, only chlorite altered sections carry more sulphides.	S	S					
68.25	72.70	Alteration-Typical weak Qtz-Ser-CO3 Schist Weak Chlorite Biotite Mottled Fe Carbonate Sericite Schist with Moderate Disseminated Sulphides Distinct difference in alteration pattern here, bt/chl clots - mottled. Increase in sericite, Fe carbonate, and biotite, decrease in chlorite. Round cloudy quartz eyes, subhedral cloudy feldspar porphyroblasts, and lensoidal silica forms and ribbons throughout. Significant disseminated and weakly banded sulphides throughout. Po bands and disseminations. Cpy in significant amounts weakly disseminated and concentrated in	S	G	2.00	4.00	0.50		

Kudz Ze Kayah
DRILL LOG

K97-182

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
		a 35cm band at 72.25m. Coarse remobilized chalcopyrite filling fracture with pyrhotite in this interval. 71.55-71.80 Alteration-Typical weak Qtz-Ser-CO3 Schist Interval of well banded pyrhotite, with significant disseminated chalcopyrite throughout. 1%chalcopyrite, 2%pyrhotite.							
72.70	77.40	Qtz-Ser-CO3 Schist Waxy Yellow Green Quartz Sericite Fe Carbonate Schist with Minor Disseminated Sulphides Minor blue quartz eyes and lensoidal silica forms - distinct decrease in chlorite, biotite, overall lighter grey to yellow colour to rock. Minor sulphides, (mainly pyrite, lesser pyrhotite, trace chalcopyrite) disseminated throughout with locally pyrite rich bands with trace sphalerite with minor quartz veining. Minor chlorite and biotite clots at end of interval.	G	S	4.00	0.00	0.00		0.00
77.40	80.70	Felsic Tuff, Crystal Felsic Tuff, Lapilli Waxy Yellow Green Quartz Sericite Fe Carbonate Schist with Minor Disseminated Sulphides Increace in bt and chlorite alteration throughout interval, imparts darker colour, with a corresponding increase in fine disseminated chalcopyrite throughout. Milky silica blobs and eyes - lapilli?	G	G	0.00	0.00	0.00		
80.70	84.20	Felsic Tuff, Crystal Felsic Tuff, Lapilli As previous, with very little sulphides. Good blue quartz eyes and ribboned silica forms (weakly fragmental?).	G	G					
84.20	85.20	Felsic Flow Creamy Apple Green Massive Siliceous Rhyolite Cream coloured competent siliceous (flow?) rock mostly with yellow sericite partings and dark green chlorite seams. Very distinct rock (pseudofragmental in places). Quartz vein at 84.7m with coarse grained black sphalerite, pyrite, pyrhotite, trace galena and tetrahedrite.	S	S	0.50	0.50		0.00	0.20
85.20	90.70	Alteration - Typical moderate Felsic Tuff, Crystal Chlorite Biotite Altered Quartz Sericite Schist Green-brown mottled sericitic altered felsic tuff - bt speckles and rich bands impart darker colour to interval. Increase in bt alteration (esp first 2.2m).Minor 5-10cm intervals of intensly chlorite altered rock with very little sulphides Minor cloudy and blue quartz eyes. Locally milky silica forms, weak pseudofragmental texture in places with crossing S2/S3, well foliated, but original lapilli? and crystals visible.	S	S	0.00	0.00			
90.70	93.00	Alteration - Typical moderate Felsic Tuff, Lapilli Moderate Jade Green Altered Quartz Sericite Fe Carbonate Schist with Lapilli and Blue Quartz Eye As above, with larger, more obvious silica forms (lapilli?) and the odd blue quartz eye, also with distinctive white, pods and porphyroblasts of weakly carbonate altered feldspars.	S	S					

Kudz Ze Kayah
DRILL LOG

K97-182

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
93.00	94.00	Alteration - Typical moderate Felsic Tuff, Crystal As 85.2-90.7 Rock flour at 94m - fault.	S	S					
94.00	107.50	Alteration - Typical moderate FX Granular Granular Textured, Moderate Jade Green Chl/Bt Altered Sericite Schist Generally fine grained, highly foliated, granular textured to minor locally fragmented silica forms, 10cm bands here and there of more intense chlorite (& lesser bt) alteration.	S	S	0.00	0.00			
107.50	127.20	Alteration - Typical moderate FX Ribboned FX Fragmental Moderate Jade Green Chl (lesser bt) Altered Felsic Volcanic with Ribboned to Fragmental Silica Forms Irregular creamy silica forms and blobs. Locally ribboned to fragmental. Minor trace sphalerite,pyrite, chalcopyrite, galena in a 1cm qz vein at 118.7m.	G	G	0.00		0.00	0.00	0.00
127.20	132.40	Alteration - Typical moderate FX Granular Moderate Jade Green Chl Altered Quartz Sericite Schist, Highly Foliated, Granular Textured As 94-107.5m. Latter 1.5m part of interval contains minor blebby silica forms.	G	G					
132.40	136.00	FX Granular Cream Coloured Minor Chl/Bt mottled Quartz Sericite Fe Carbonate Schist Distinct colour difference from last interval, lighter beige coloured schist with 5% dark chlorite(bt) mottles. Few siliceous ribbons and pods throughout.	S	S	0.00	0.00			

*** END OF HOLE *** 136.00

Kudz Ze Kayah

HOLE NO: KZ97-183 | SECTION:4750 | GRID: | KZ97-183

093848

PROJECT CODE :
TENEMENT :TAG
PROSPECT :
GRID :
MAP REFERENCE:
LOCATION :4560N,4750E
HOLE TYPE :

*** COLLAR COORDINATES AND RL ***

NOMINAL	0.00mN	0.00mE	0.00RL

Pre-collar depth: Final depth: 84.40

Purpose of hole: TEST EM ANOMOLY
Hole status:
Comments:

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	0.00	-90.00

*** SUMMARY LOG ***

0.00	6.10	OVERBURDEN
6.10	8.20	LAMINATED SULPHIDE MAGNETITE ROCK CHALCOPYRITE ROCK QUARTZ VEIN
8.20	11.30	FZ RIBBONED
11.30	20.30	FZ RIBBONED
20.30	23.00	FZ FRAGMENTAL
23.00	27.00	QUARTZ VEIN FZ FRAGMENTAL
27.00	39.20	WACKER/ARKOSE
39.20	51.50	FZ RIBBONED
51.50	53.60	FZ FRAGMENTAL

*** DRILLING SUMMARY ***

VERTICAL	0.00 84.40 NQ
Drill contractor:	DJ DRILLING
Drill rig:	SKID DRILL
Date started:	27/8/97
Date finished:	27/8/97
Logged by:	DR
Relogged by:	
Sampled by:	DR

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

*** SIGNIFICANT ASSAYS ***

From	To	Width
6.10	8.20	2.10

Checked and signed: _____ Date: _____

HOLE NO: KZ97-183 SECTION: 4750 GRID:

53.60	55.60	FZ FRAGMENTAL
55.60	57.30	MAFIC TUFF
57.30	58.40	FX FRAGMENTAL
58.40	60.10	MAFIC DYKE MAFIC TUFF
60.10	63.70	FX FRAGMENTAL
63.70	67.20	FELSIC TUFF, CRYSTAL FELSIC TUFF, LAPILLI
67.20	68.00	MAFIC DYKE MAFIC FLOW
68.00	70.70	FELSIC TUFF, CRYSTAL FELSIC TUFF, LAPILLI
70.70	73.10	MAFIC DYKE MAFIC TUFF
73.10	73.60	FELSIC TUFF, LAPILLI
73.60	76.70	MAFIC DYKE MAFIC FLOW
76.70	84.40	FELSIC TUFF FELSIC TUFF, LAPILLI
84.40		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

KZ97-183

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	6.10	Overburden CASING	S	S					
6.10	8.20	Laminated Sulphide Magnetite Rock Chalcopyrite Rock Quartz Vein Only 0.6m rocovered in 2.1m - diffcult to know limits and boundaries on mineralization; below are aproximate: 6.20-6.30 Overburden Broken pebbles -Overburden 6.40-6.70 Laminated Sulphide Magnetite Rock Massive Laminated Sulphide Magnetite Rock style very high grade -magnetite striped pyrite rock wtih abundant wisps and seams of maroon sphalerite to black jack sphalerite probably very fine galena present but not readily evident. Est 14% Zn, 1%Cu, 2%Pb, Banding 15deg to c/a. 7.00-7.10 Quartz Vein Coarse white bull quartz 7.80-8.00 Chalcopyrite Rock Very chalcopyrite rich rock striped with discontinous bands of pyrhottite. Estimate 20%Cu (from 80%chalcopyrite). Banding at 35 deg to c/a. Variable foliation attitudes suggest dislocated blocks or	S	S					
8.20	11.30	FZ Ribboned Ribboned Quartz Sericite Schist Yellow grey sericite quartz rock-typical ore host with well preserved (primary compositional layering) of 1-10mm silica bands with 1-2mm sericite layers and less common 1-10cm silica layers with 10-30% pyrite disseminations. Recovery is poor between 8.2 and 11.3 (only 0.6m). Could possibly have been more sulphides in interval though most of schist is barren of base metal sulphides.	S	G					
11.30	20.30	FZ Ribboned Ribboned Quartz Sericite/Iron Carbonate Schist As 8.2-11.3 but with good core recovery. Foliation at 45 deg to c/a.	G	G	1.00	0.50			
20.30	23.00	FZ Fragmental 'Fragmentals Quartz Sericite/Fe Carbonate Schist Waxy yellow grey, quartz sericite, iron carbonate rocks as before but with silica bands more disrupted into typical pseudo-fragmental patterns. 2% fine pyrite disseminated	G	G	2.00				
23.00	27.00	Quartz Vein FZ Fragmental Strongly Quartz Veined - 'Fragmentals Quartz Sericite/Iron Carbonate Schist Biotite altered and strongly quartz veined. 60% coarse white quartz veins in quartz flooded, partially biotite mottled fragmental quartz sericite schist. Minor amounts of coarsely crystalline sphalerite and galena are present.	G	G	3.00			0.05	0.10

Kudz Ze Kayah
DRILL LOG

KZ97-183

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
27.00	39.20	Wacker/Arkose Quartz Sericite Fe Carbonate Schist With Strong Wispy Mottling of Brown Biotite Patches Typical schistose felsic but with 10-30% mottling with .5 to 3 cm long 2-5mm thick brown patches due to disseminated biotite - apparent metasomatic or alteration effect. Few quartz veinlets with patches of black tourmaline.	G	G	2.00				
39.20	51.50	FZ Ribboned Ribboned Quartz Sericite Schist As previous intervals, Foliation at 45 deg to c/a.	G	G					
51.50	53.60	FZ Fragmental 'Fragmentals Quartz Sericite/Fe Carbonate Schist Waxy yellow grey sericite quartz iron carbonate schist with irregular silica forms. 'Fragmentss believed derived from boudined ribbons.	G	G	3.00				0.20
53.60	55.60	FZ Fragmental Fragmental Quartz Sericite/Fe Carbonate Schist Very siliceous As above but with high proportion of silica packed in cumulate like 'fragmentals textures between network of sericite. 3-4% disseminated pyrite with minor red brown sphalerite.	G	S	4.00			0.20	
55.60	57.30	Mafic Tuff Mafic Intermediate Tuff (?) Pale buff brown iron carbonate/sericite rock showing delicate 1-2mm compositional layering in places (ie. 56.6-57.1) that suggests fine tuff rather than dyke/sill rock. Lower contact is quartz calcite veined with trace galena 0.5% sphalerite present. Foliation variable strong folding evident in bottom 50cm	S	S	1.00			0.00	
57.30	58.40	FX Fragmental 'Fragmentals Quartz Sericite Iron Carbonate Biotite Schists Similar to previous sections but darker in colour with some biotite, approaches ribboned texture at base. Py rich bands and dissemminations. Minor sphalerite, trace galena, at top in quartz vein in contact with overlying rocks.	S	S	4.00			0.00	0.00
58.40	60.10	Mafic Dyke Mafic Tuff Biotite-Chlorite (Lesser Calcite) Schist - Faintly laminated texture to chloritic rock strongly speckled with disseminated brown biotite down to 59.0m. From 59.0-60.1m Pale brown iron carbonate/sericite rock similar to 55.6-57.3. Uncertain whether conformable tuff or intrusive intermediate - basic rock.	S	S					
60.10	63.70	FX Fragmental 'Fragmentals Quartz Sericite Iron Carbonate Biotite Schist Similar to 57.3-58.2.	S	S					

Kudz Ze Kayah
DRILL LOG

KZ97-183

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
63.70	67.20	Felsic Tuff, Crystal Felsic Tuff, Lapilli Felsic Ash Tuff (Crystal)/Fine Lapilli Tuff Quartz, Sericite, Iron Carbonate (+-chlorite, biotite). Fine grained well foliated local quartz eyes evident with variable grain size from ash to fine 1-10mm lensoidal silica forms (lapilli).	S	S	2.00				
67.20	68.00	Mafic Dyke Mafic Flow Mafic Dyke (Sill) or Flow Fine green chlorite rock speckled with 20-30% 0.1-2mm biotite flakes and aggregates. Faint compositional layering of more and less biotite and discontinous white quartz +- calcite bands.	S	S					
68.00	70.70	Felsic Tuff, Crystal Felsic Tuff, Lapilli Felsic Ash Tuff/Fine Lapilli Tuff As at 63.7-67.2.	S	S					
70.70	73.10	Mafic Dyke Mafic Tuff Mafic Dike (Sill?) or Flow As at 67.2-68.0. Medium green chlortie schist speckled with 10-30% biotite.	S	S					
73.10	73.60	Felsic Tuff, Lapilli Felsic Lapilli Tuff Siliceous interval with crowded silica forms	S	S					
73.60	76.70	Mafic Dyke Mafic Flow Mafic Dike (sill) or Flow - Chlorite/Biotite Rock As 70.7-73.1 Foliation at 65 deg to c/a. Quartz veining in bottom 20cm at 75.4-75.6. 40% 0.1-3mm pyrite and pyrite aggregates disseminated in rock.	S	S					
76.70	84.40	Felsic Tuff Felsic Tuff, Lapilli Felsic Tuff/Lapill Tuff Quartz sericite, Fe carbonate (+-chlorite/biotite) fine ash tuffs, locally quartz phyric with intervals of fine white lenticular quartz 'lapillis. Even foliation and distinct cyclical variations suggest clastic repetition. Foliation consistent at 60deg to c/a 2-3% pyrite throughout with local 1-4cm bands of 20 to 40% pyrite, pyrite aggregates particularly pyrhotite in top 3 metres.	S	S	4.00				

*** END OF HOLE *** 84.40

Kudz Ze Kayah

HOLE NO: KZ97-183A | SECTION: | GRID: | KZ97-183A

093243

PROJECT CODE : KZK
TENEMENT :
PROSPECT :
GRID :
MAP REFERENCE :
LOCATION :
HOLE TYPE :

*** COLLAR COORDINATES AND RL ***

NOMINAL	0.00mN	0.00mE	0.00RL

Pre-collar depth: Final depth: 10.00

Purpose of hole: RECOVER MORE SULPHIDES (AS @ 183)

Hole status:

Comments:

*** DRILLING SUMMARY ***

	0.00 10.00 NQ
Drill contractor:	DJ DRILLING
Drill rig:	SKID DRILL
Date started:	26/8/97
Date finished:	26/8/97
Logged by:	DR
Relogged by:	
Sampled by:	

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

*** SIGNIFICANT ASSAYS ***

From	To	Width
5.60	7.30	1.70

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	0.00	-70.00

*** SUMMARY LOG ***

0.00	3.70	OVERBURDEN
3.70	4.90	OVERBURDEN
4.90	6.10	OVERBURDEN HEAVILY DISS SX IN A
6.10	7.30	HEAVILY DISS SX IN A
7.30	7.90	QUARTZ VEIN
7.90	8.50	FZ RIBBONED
8.50	9.10	FZ RIBBONED ALTERATION-TYPICAL
9.10	10.00	FZ RIBBONED
10.00		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

KZ97-183A

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	3.70	Overburden CASING	S	S					
3.70	4.90	Overburden Overburden-Heterolithic cobbles, pebbles. Only .1m recovered.	S	G					
4.90	6.10	Overburden Heavily Diss SX in A 0.1M Heterolithic pebbles including one of Pyrite-Massive Texture type fine massive pyrite 2x2cm. 0.1m oJ green chlorite alteration with coarse whicte mica flakes hosting 7% pyrhotite, 4% pyrite, 1% chalcopyrite, 4% sphalerite. Difficult to know where starts, but probably represents broken bedrock. Treat as if starts at 5.6m.	G	G	4.00	7.00	1.00		4.00
6.10	7.30	Heavily Diss SX in A Mineralized Alteration Chlorite rock as above with 15% pyrhotite, 2%chalcopyrite, minor sphalerite - only .05m recovered, so difficult to know whether represents whole interval.	G	G					
7.30	7.90	Quartz Vein Coarse clean white bull quartz	G	G					
7.90	8.50	FZ Ribboned Ribboned Quartz Sericite Schist only .05m recovered.	G	G					
8.50	9.10	FZ Ribboned Alteration-Typical Altered FZ Ribboned - Moderately Mineralized Slightly chlorite/biotite replaced quartz sericite schist with disseminations and bands of pyrhotite, some pyrite, minor chalcopyrite. Only 0.05m recovered.	G	G	1.00	5.00	0.50		
9.10	10.00	FZ Ribboned Ribboned Quartz Sericite Schist Typical waxy yellow sericitic quartz schist with silica in discontinous but planar ribbons between sericite partings. 2-3% mixed pyrhotite,pyrite evident foliation at 60deg to c/a.	G	G	1.00	2.00			

*** END OF HOLE *** 10.00

Kudz Ze Kayah

HOLE NO: KZ97-184 SECTION: GRID: KZ97-184

093243

PROJECT CODE :
TENEMENT :
PROSPECT :
GRID :
MAP REFERENCE :
LOCATION :
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: 29.60

Purpose of hole:

Hole status:

Comments:

*** SIGNIFICANT ASSAYS ***

From	To	Width

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	0.00	-90.00

*** SUMMARY LOG ***

0.00	10.70	OVERBURDEN
10.70	29.60	FAULT
29.60		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

KZ97-184

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	10.70	Overburden CASING	S	S					
10.70	29.60	Fault Major zone of hard pan like clayey fault gouge with 20-50% fine .1 to 20mm rock crush gravel. Few lesser blocks of white quartz vein @ 11.3-14.3. Clearly part of large fault creek fault. Subtle imbrication/shear attitudes at 10-15deg to c/a suggest steeply dipping structure. Hole terminated at 29.6m because mineral horizon was truncated by fault and hole was well below projeced horizon.	S	S					

*** END OF HOLE *** 29.60

Kudz Ze Kayah

HOLE NO: KZ97-185 SECTION: GRID: KZ97-185

PROJECT CODE :
TENEMENT :
PROSPECT :
GRID :
MAP REFERENCE :
LOCATION :
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:

Purpose of hole:

Hole status:

Comments:

*** SIGNIFICANT ASSAYS ***

From	To	Width

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	0.00	-90.00

*** SUMMARY LOG ***

0.00	6.10	OVERBURDEN
6.10	8.20	OVERBURDEN
8.20	10.90	FZ RIBBONED FZ FRAGMENTAL
10.90	11.20	OVERBURDEN
11.20	21.40	FZ RIBBONED FZ FRAGMENTAL
21.40	29.40	FZ RIBBONED FZ FRAGMENTAL
29.40	39.70	FX RIBBONED FX FRAGMENTAL

Checked and signed: _____ Date: _____

HOLE NO: KZ97-185 SECTION: GRID:

39.70	41.50	WACKER/ARKOSE ALTERATION - TYPICAL MODERATE QTZ-SER-CO3 SCHIST
41.50	46.00	FX RIBBONED FX FRAGMENTAL
46.00	46.90	FAULT
46.90	55.17	FZ RIBBONED FZ FRAGMENTAL
55.17		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

KZ97-185

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
0.00	6.10	Overburden CASING	S	S					
6.10	8.20	Overburden Broken Core -Heterolithic cobbles and pebbles	S	S					
8.20	10.90	FZ Ribboned FZ Fragmental Rubble - Broken core - Quartz sericite schist with siliceous ribbons and fragments with minor quartz/pyrite veins.	S	S					
10.90	11.20	Overburden Rubble- Heterolithic blocks (quartz sericite schist), with two small angular pieces of fine grained massive pyrite -Pyrite-Massive Texture rock.	S	S					
11.20	21.40	FZ Ribboned FZ Fragmental Quartz Sericite Fe Carbonate Schist with Weak Siliceous Ribbons and (Fragments?) Weak siliceous bands and disrupted bands to weakly (fragmental) and deformed silica blobs. Maintains a generally layered look where ribbons alternate with more waxy yellow sericitic sections and darker quartz pyrite bands. Locally incerase in deformation shears out pyritic bands to tiny dark slivers and lenses in a highly sericitic sections of interval. Locally, some granular looking sections.	S	S	1.00				
21.40	29.40	FZ Ribboned FZ Fragmental Quartz Sericite Fe Carbonate Schist with Weak Siliceous Ribbons & (Fragments?) As above. Interval a stronger waxy yellow colour, increase in Fe carbonate. Minor 1% disseminated black tourmaline.	G	G					
29.40	39.70	FX Ribboned FX Fragmental Quartz Sericite Fe Carbonate Schist with Chlorite/Biotite Mottling Silica ribbons and forms (fragments) similar to above. Darker overall tan colour to interval (not as fresh looking as previous schists) Sections of mottled chlorite and biotite. Fragments become quite large at end of interval. Minor disseminated tourmaline. @ 33.6m, fault.	G	G	1.00				
39.70	41.50	Wacker/Arkose Alteration - Typical moderate Qtz-Ser-CO3 Schist Chlortie Biotite Mottled Quartz Sericite Fe Carbonate Schist Tan coloured Sericitc Rock with strungout - flattened qz forms, highly foliated, minor quartz, Fe carbonate pods and lenses, 1% dark brown/green coloured rock. Strong chl/bt mottled patches. Similar (alteration?) to that seen in KZ97-182 (and what was logged as Sk in the past).Minor dark patches of quartz and disseminated pyrite.	G	G	1.00				
41.50	46.00	FX Ribboned FX Fragmental Quartz Sericite Fe Carbonate Weakly Biotitic, Chloritic Schist Similar to previous interval, slightly darker coloured. Locally, more granular textured, however good ribbon to fragmental textures as @ 29-39m. Few minor feldspar + carbonate porphyroblasts.	S	S	1.00				

Kudz Ze Kayah
DRILL LOG

KZ97-185

From	To	Geological Log	Cont	Cont	PY	PO	CP	GA	SP
		Disseminated and thin bands of minor pyrite. @ 43.5, minor Intermediate? Mafic?Tuff tan to buff coloured unit as in KZ97183, only 3cm thick.							
46.00	46.90	Fault Rock flour, gouge, clayey interval	S	S					
46.90	55.17	FZ Ribboned FZ Fragmental Light Green Quartz Sericite Schist - Fragmental Apple green sericite partings, slight decrease in chlorite and biotite overall. Great fragmental and ribboned texture. Less than 1% black disseminated tourmaline grains. Qz/tourmaline veins @ 52m (5cm), 53.4m (20cm with cg pyrite). @ 55m broken ground. @ 50.9m for 30 cm chl/bt mottled clots and a 3cm qz pyrhotite vein-weakly magnetic	S	S	1.00	1.00			

*** END OF HOLE ***

Kudz Ze Kayah

HOLE NO: KZ97-186 | SECTION: | GRID: KZ97-186

093843

PROJECT CODE :
TENEMENT :
PROSPECT :
GRID :
MAP REFERENCE:
LOCATION :
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: 49.10

Purpose of hole:

Hole status:

Comments:

*** SIGNIFICANT ASSAYS ***

From	To	Width
13.10	13.20	0.10
15.80	15.90	0.10
21.00	21.10	0.10
26.70	26.80	0.10
32.50	32.60	0.10
35.80	35.90	0.10
41.90	42.00	0.10
46.40	46.50	0.10
48.90	49.00	0.10

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	0.00	-90.00

*** SUMMARY LOG ***

0.00	9.10	OVERBURDEN
9.10	11.90	OVERBURDEN
11.90	12.70	FZ FRAGMENTAL
12.70	18.00	FELSIC FLOW
18.00	19.80	FZ RIBBONED FZ FRAGMENTAL
19.80	27.40	FELSIC FLOW
27.40	29.10	FAULT
29.10	29.90	FZ RIBBONED
29.90	35.30	FZ FRAGMENTAL
35.30	36.20	QTZ-SER-CHL (GRPH) SCHIST
36.20	47.70	FZ GRANULAR

Checked and signed: _____ Date: _____

HOLE NO: KZ97-186 SECTION: GRID:

47.70	47.90	FAULT
47.90	48.10	FZ GRANULAR
48.10	48.30	FAULT
48.30	49.10	FZ GRANULAR
49.10		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

KZ97-186

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	9.10	Overburden CASING	S	S					
9.10	11.90	Overburden Probable Overburden Sand and pebbles of mixed lithologies, only 0.2m recovered.	S	S					
11.90	12.70	FZ Fragmental 'Fragmentals Quartz sericite schist - Relatively siliceous light grey to yellow rock with packed irregular silica forms in a sericite matrix. 2% finely dissemminated pyrite.	S	G	2.00				
12.70	18.00	Felsic Flow Rhyolite Flow(?) Very Siliceous light grey/blue grey rock - very aphanitic siliceous with fine irregular wisps yellow sericite. 2% fine wispy pyrite aggregates.	G	G	2.00				
18.00	19.80	FZ Ribboned FZ Fragmental Ribboned to Fragmental Quartz-Sericite Schist Yellow waxy (slight buff colour - iron carbonate?) Shows silica as irregular 'fragmentss in yellow sericite matrix or as semi continous 1-5mm bands. 2% very fine disseminated pyrite.	G	G	2.00				
19.80	27.40	Felsic Flow Rhyolite Flow(?) Massive dense aphanitic light grey very siliceous rock with fine wispy yellow sericite. 3-4% pyrite is fairly common associated with wispy blue grey creas that seem relatively common - perhaps due to proximity to fault below and brittle nature of rock.	F	S	4.00				
27.40	29.10	Fault Strong clay/fault gouge - probably significant minor fault (ie. 10-40m throw). 1m core lost.	S	S					
29.10	29.90	FZ Ribboned Ribboned Quartz Sericite Schist Fold nose with foliation going from 70 to 0 to 70. Ribboning is preserved with 1-15mm silica and seperated by 1-2mm yellow sericite layers.	S	G	2.00				
29.90	35.30	FZ Fragmental 'Fragmentals Quartz - Sericite Schist Typical boudined/contorted ribbon texture not too distorted from ribboned. Irregular light grey/blue grey silica forms in yellow sericite matrix.	G	S	2.00				
35.30	36.20	Qtz-Ser-Chl (Grph) Schist Black Chlorite Banded Silica Rock - Pelitic Tuff Fine 1-5mm black chlorite layers alternate with light grey silica layers, typical Qtz-Ser-Chl (Grph) Schist textures as seen above ore horizon. Relatively abundant 7-8% fine pyrite -pyrite aggregates present with chlorite (still no conductor inf. Ohms) Upper interval fragmented and sheared.	S	S	8.00				

Kudz Ze Kayah
DRILL LOG

KZ97-186

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
36.20	47.70	FZ Granular Granular Quartz Sericite Schist Typical ore host schist - strongly transposed rock light yellow grey 3-4% pyrhottite (lesser pyrite) in 15-20mm long lensy wisps.	S	S	2.00	3.00			
47.70	47.90	Fault Good clay gouge, rock chunks	S	S					
47.90	48.10	FZ Granular Granular Quartz Sericite Schist As 36.2-47.7 but very fragmented - part of fault zone?	S	S					
48.10	48.30	Fault Strong gouge/rock flour	S	S					
48.30	49.10	FZ Granular Granular Quartz Sericite Schist Similar to preceeding interval. 1-2cm band 30% disseminated pyrite @ 48.7m. No conductivity in hole barring slight conductivity 100,000 to 50,000 ohm in clay gouge of faults.	S	S					

*** END OF HOLE *** 49.10

Kudz Ze Kayah

KZ97-187

HOLE NO: KZ97-187 | SECTION:4850E | GRID:

PROJECT CODE :
TENEMENT :
PROSPECT :
GRID :
MAP REFERENCE:
LOCATION :4660N,4850E
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: 65.80

Purpose of hole: TEST WEAK MAG ANOMALY E OF DDH 181

Hole status:

Comments:

*** SIGNIFICANT ASSAYS ***

From	To	Width
7.90	8.00	0.10
16.40	16.50	0.10
18.40	18.50	0.10
20.90	21.00	0.10
26.50	26.60	0.10
32.70	32.80	0.10
36.80	36.90	0.10
39.70	39.80	0.10
45.50	45.60	0.10
51.80	51.90	0.10
56.60	56.70	0.10
59.30	59.40	0.10
62.90	63.00	0.10
64.60	64.70	0.10

*** SURVEY DATA ***

Survey Method:

Depth	Azimuth	Inclination
0.00	0.00	-90.00

*** SUMMARY LOG ***

0.00	6.10	OVERBURDEN
6.10	17.90	FZ GRANULAR
17.90	20.40	FZ RIBBONED FZ FRAGMENTAL
20.40	23.80	FZ GRANULAR ALTERATION-TYPICAL WEAK
23.80	25.20	FZ GRANULAR
25.20	34.70	WACKER/ARKOSE ALTERATION - TYPICAL MODERATE FX GRANULAR

Checked and signed: _____ Date: _____

HOLE NO: KZ97-187 SECTION:4850E GRID:

34.70	36.40	FX FRAGMENTAL FX GRANULAR
36.40	37.80	FZ GRANULAR
37.80	41.25	FZ GRANULAR ALTERATION - TYPICAL MODERATE
41.25	47.70	WACKER/ARKOSE FX GRANULAR ALTERATION - TYPICAL MODERATE
47.70	49.80	FZ FRAGMENTAL
49.80	56.10	FX GRANULAR
56.10	58.45	FELSIC TUFF, CRYSTAL FELSIC TUFF, LAPILLI
58.45	58.70	FELSIC FLOW
58.70	59.00	FELSIC TUFF, CRYSTAL FELSIC TUFF, LAPILLI
59.00	59.55	FELSIC FLOW
59.55	63.30	FELSIC TUFF, CRYSTAL
63.30	64.30	FELSIC TUFF, CRYSTAL
64.30	65.80	FELSIC TUFF, LAPILLI
65.80		END OF HOLE

Checked and signed: _____ Date: _____

Kudz Ze Kayah
DRILL LOG

KZ97-187

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
0.00	6.10	Overburden CASING	S	S					
6.10	17.90	FZ Granular Granular Quartz Sericite Iron Carbonate Schist Typical yellow grey quartz sericite Fe carbonate schist. Locally, less deformed sections show weak ribbons to fragments. Compositional banding of siliceous layers with sericite rich ones (primary?). Dark deformed quartz - pyrite bands become sheared out into slivers and thin bands (on limbs of minor fold), In hinge, are preserved as overturned isoclinal folds	S	G	2.00	0.00			
17.90	20.40	FZ Ribboned FZ Fragmental Ribboned Fragmental Quartz Sericite Fe Carbonate Schist Same rock mineralogy as above, less deformed, silica bands and coarse fragments (on cm scale) obvious with a weaker sericitic component than previous interval. Minor pyrhotite - weakly magnetic.	S	S	1.00	1.00			
20.40	23.80	FZ Granular Alteration-Typical weak Weak Biotite Chlorite Mottled Quartz Sericite Fe Carbonate Schist Maroon-light brown bt, and dark green chlorite patches alter a waxy yellow quartz sericite schist. A few milky siliceous lensoidal forms (fragments?) in first 30cm of interval. Minor disseminated tourmaline grains and quartz-pyrite-pyrhotite slivers & lenses throughout, some weakly magnetic. Fault at 23.1 & 23.25m	S	S	1.00	1.00			
23.80	25.20	FZ Granular Granular Quartz Sericite Schist Clean yellow sericite schist very similar to above, without dark chl/bt patches. Broken core in last 30cm of interval.	S	S	1.00	0.00			
25.20	34.70	Wacker/Arkose Alteration - Typical moderate FX Granular Biotite Chlorite Mottled and Speckled Rock Dark grey, green-brown mottled chlorite/biotite (altered?) rock. Does not have the waxy yellow sericite component as previous intervals, and matrix is very fine grained, dull grey in colour. Rare cloudy silica forms (<1cm in size). Interval distinctly darker, speckled appearence. 4% disseminated black tourmaline grains throughout. Minor py/po slivers throughout, weakly magnetic.	S	S	1.00	1.00			
34.70	36.40	FX Fragmental FX Granular Weak Fragmental to Granular Quartz Sericite Schist with Bt/Chl Mottling Lensoidal and weakly ribboned silica forms in a yellow coloured sericite schist. Abundant black elongate tourmaline grains disseminated throughout and concentrated in cm sized sericite quartz rich bands. @ 35.5m, broken ground with bull qz vein.	G	G	0.00	0.00			

Kudz Ze Kayah
DRILL LOG

KZ97-187

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
36.40	37.80	FZ Granular Quartz Sericite Schist As 23.8-25.2m with minor Fe carbonate. Yellow green schist with loose bt/chl mottling. Disseminated tourmaline grains 2% throughout, and concentrated in tourmaline, quartz, pyrite bands. 37.5m, black sooty fault breccia.	G	G	1.00	1.00			
37.80	41.25	FZ Granular Alteration - Typical moderate Granular Quartz Sericite Fe Carbonate Schist with Biotite/Chlorite Mottling Similar to 34.7-36.4. Variable bt/chl (alteration?) good sections of clean, waxy yellow granular textured sericite schist. Disseminated tourmaline grains, minor disseminated chalcopyrite with pyrite-pyrhotite in small bands. 40.95-42.50 Intensely speckled and mottled biotite/chlorite rock with a darker grey groundmass - Wacker/Arkose?	S	S	1.00	1.00	0.00		
41.25	47.70	Wacker/Arkose FX Granular Alteration - Typical moderate Grey coloured Biotite/Chlorite Speckled Fe Carbonate Schist Not as intense bt/chl as 25.2-34.7 overall, but very similar rock. Locally more intensly mottled intervals. Darker grey colour than some of the more obviously felsic intervals. Chl/bt a product of alteration? or reflecting primary rk chemistry. Disseminated Tourmaline. @ 47.5m broken ground, tourmaline/quartz vein. 42.20-42.45 Decrease in biotite and chlorite. And at 42.7-43, 46.6-46.9.	G	G	0.00	0.00			
47.70	49.80	FZ Fragmental Grey to Slightly Light Greenish Quartz Sericite Schist More competent siliceous interval cloudy silica fragments with grey green sericite partings, decrease chl/bt mottling. Speckled with black tourmaline grains and bands, and disseminated slivers of py/po.	G	G	1.00	0.00			
49.80	56.10	FX Granular Grey Coloured Biotite Chlorite Speckled Fe Carbonate Schist Primary Lapilli? grains visible. Darker grey tan coloured Fe carbonate schist, similar to 41.25-47.7m. Overall, darker colour here. @ 51.1 Rock flour, fault gouge. 54.45-54.60 Mafic Dyke Mafic Tuff Dark brown maroon very fine grained altered mafic dike?, or altered tuffaceous sediment. Relatively sharp contacts, similar to 'tuffaceouss unit seen in 183.	G	G	0.00	0.00			

Kudz Ze Kayah
DRILL LOG

KZ97-187

From	To	Geological Log	C	C	PY	PO	CP	GA	SP
56.10	58.45	Felsic Tuff, Crystal Felsic Tuff, Lapilli Quartz Sericite Fe Carbonate Schist Cloudy siliceous forms or primary lapilli? Grey waxy yellow sericitic rock with clear quartz eyes. Quartz-pyrite veins more common in this interval	G	S	2.00				
58.45	58.70	Felsic Flow Fragmental Massive Siliceous Sericite Schist Coarse white massive competent siliceous lenses with apple green sericite partings - fragmented flow?	S	S					
58.70	59.00	Felsic Tuff, Crystal Felsic Tuff, Lapilli Same as 56.10-58.45	S	S	1.00				
59.00	59.55	Felsic Flow Same as 58.45-58.7	S	S	1.00				
59.55	63.30	Felsic Tuff, Crystal Grey Yellow Quartz Sericite Schist with Minor Blue Quartz Eyes and Cloudy Silica Forms Quartz-pyrite veins common. Broken core at 60-60.8. @ 62.1m 1cm qz-carbonate vein with black-maroon coarse grained sphalerite. 62.30-62.90 Mafic Tuff Dark Brown to Buff Fine Grained Altered Muddy Mafic-Intermediate Tuff? As at 54.45 Granular white quartz veins with 5% pyrite, and trace pyrhotite, weakly magnetic.	S	S	5.00	0.00			0.00
63.30	64.30	Felsic Tuff, Crystal As 59.55-63.3 Good coarse grained blue quartz eyes particularly at start of interval.	S	S	3.00				
64.30	65.80	Felsic Tuff, Lapilli Felsic Lapilli Tuff Good lensoidal Silica forms - lapilli with the odd blue quartz eye. Py in bands and disseminated.	S	S	4.00				

*** END OF HOLE *** 65.80

1996 Pelly Rock Sample Geochemistry - Assay

LAB NO	DDH	DRILL INTEVAL		INTERVAL	Cu	Pb	Zn	Ag	Cu	Pb	Zn	Ag	Ag	Au	Wt Au	Au	Au	Ba(4)	Fe	Cd	Rb	Sr	Zr	Y
		from	to		ppm	ppm	ppm	ppm	%	%	%	g/t	oz/t	ppb	gram	g/t	oz/t	ppm	%	ppm	ppm	ppm	ppm	ppm
R9710636	97-172	22.4	22.5	0.1																			565	55
R9710637	97-172	42.8	42.9	0.1																			157	36
R9710638	97-172	52.6	52.7	0.1																			182	34
R9710639	97-172	54.5	54.6	0.1																			574	55
R9710640	97-172	61.9	62.0	0.1																			493	50
R9710641	97-172	70.6	70.7	0.1																			536	52
R9710642	97-172	72.3	72.4	0.1																			205	27
R9710643	97-172	76.3	76.4	0.1																			568	55
R9710866	97-172	79.1	80.6	1.5																				
R9710867	97-172	80.6	80.8	0.2										<10	5									
R9710868	97-172	80.8	82.3	1.5					0.28	0.04	0.03	9.4	0.274	48	5	0.164		1611						
R9710644	97-172	81.1	81.2	0.1										<10	5			907	26.22					
R9710645	97-172	83.8	83.9	0.1														1501						
R9710646	97-172	85.7	85.8	0.1																				
R9710647	97-172	92.5	92.6	0.1																			668	65
R9710648	97-172	97.0	97.1	0.1																			517	46
R9710649	97-172	108.5	108.6	0.1																			185	31
R9710650	97-172	127.5	127.6	0.1																			99	16
R9710651	97-172	139.9	140.0	0.1																			514	50
R9710652	97-172	151.4	151.5	0.1																			525	48
R9710653	97-172	162.9	163.0	0.1																			451	44
R9710654	97-172	171.8	171.9	0.1																			483	51
R9710655	97-172	183.8	183.9	0.1																			581	55
R9710656	97-172	197.3	197.4	0.1																			557	51
R9710657	97-172	207.2	207.3	0.1																			245	50
R9710658	97-172	209.3	209.4	0.1																			234	52
R9710659	97-172	222.3	222.4	0.1																			234	48
R9710660	97-172	234.2	234.3	0.1																			225	46
R9710661	97-172	245.8	245.9	0.1																			235	42
R9710662	97-172	254.2	254.3	0.1																			249	50
R9710663	97-172	258.7	258.8	0.1																			546	54
R9710664	97-172	264.2	264.3	0.1																			489	54
R9710665	97-172	274.4	274.5	0.1																			568	50
R9710666	97-172	294.9	295.0	0.1																			622	58
R9710667	97-172	319.0	319.1	0.1																			164	33
R9710668	97-172	343.3	343.4	0.1																			165	31
R9710669	97-173	9.0	9.1	0.1																			163	32
R9710670	97-173	42.8	42.9	0.1																			195	32
R9710671	97-173	53.6	53.7	0.1																			184	20
R9710672	97-173	58.0	58.1	0.1																			438	49
R9710673	97-173	70.3	70.4	0.1																			591	52
R9710674	97-173	80.8	80.9	0.1																			529	49
R9710675	97-173	87.2	87.3	0.1																			264	41
R9710676	97-173	90.4	90.5	0.1																			557	56
R9710677	97-173	95.8	95.9	0.1																			233	41
R9710678	97-173	105.3	105.4	0.1																			236	25
R9710679	97-173	115.7	115.8	0.1																			490	54
R9710680	97-173	121.2	121.3	0.1																			241	62
R9710681	97-173	138.0	138.1	0.1																			109	21
R9710682	97-173	146.6	146.7	0.1																			227	19
R9710683	97-173	160.8	160.9	0.1																			337	37
R9710684	97-173	181.6	181.7	0.1																			475	46
R9710685	97-173	226.7	226.8	0.1																			485	45
R9710686	97-173	251.4	251.5	0.1																			590	52
R9710869	97-173	251.9	253.2	1.3																			563	47
R9710687	97-173	260.6	260.7	0.1																			207	43
R9710870	97-173	264.2	265.7	1.5										<10	5			531					380	36
R9710871	97-173	265.7	266.0	0.3																				
R9710872	97-173	266.0	267.2	1.2					3.85	0.03	0.82	121.2	3.535	<10	5			1464					220	39
R9710873	97-173	267.2	268.7	1.5					1.33	1.38	7.45	110.1	3.211	760	5	2.143		142	6.36					
R9710688	97-173	269.5	269.6	0.1					0.01	0.04	0.16	2.6	0.076	570	5	1.144		312	26.4					
R9710689	97-173	273.5	273.6	0.1										<10	5	0.149		1063	1.79					
																							236	36
																							255	45

1996 Pelly Rock Sample Geochemistry - Assay

R9710874	97-173	278.0	281.0	3.0										<10	5			959						
R9710690	97-173	280.5	280.6	0.1																			228	48
R9710875	97-173	281.0	282.5	1.5					0.8	4.55	8.11	227.3	6.63	2000	5	3.098		236	27.16					
R9710876	97-173	282.5	283.9	1.4					0.46	2.89	6.87	183.8	5.361	1164	5	1.728		2472	31.94					
R9710877	97-173	283.9	285.8	1.9					0.05	0.2	0.31	12.7	0.37	640	5	0.288		6169	6.23					
R9710878	97-173	285.8	286.3	0.5					0.16	4.29	8.8	304.9	8.893	1880	5	2.898		3774	29.54					
R9710879	97-173	286.3	286.7	0.4					0.04	0.91	2	58.2	1.698	272	5	0.418		E47783	10.99					
R9710880	97-173	286.7	288.2	1.5					0.02	0.18	0.05	10.9	0.318	108	5	0.282		2493	5.57					
R9710691	97-173	288.2	288.3	0.1																			95	23
R9710692	97-174	12.9	13.0	0.1																			268	53
R9710693	97-174	17.3	17.4	0.1																			352	59
R9710694	97-174	41.2	41.3	0.1																			379	51
R9710695	97-174	52.0	52.1	0.1																			216	24
R9710696	97-174	64.9	65.0	0.1																			153	28
R9710697	97-174	69.5	69.6	0.1																			500	57
R9710698	97-174	80.4	80.5	0.1																			539	55
R9710699	97-174	93.8	93.9	0.1																			559	52
R9710700	97-174	97.1	97.2	0.1																			539	51
R9710701	97-174	117.8	117.9	0.1																			481	49
R9710702	97-174	123.0	123.1	0.1																			186	36
R9710703	97-174	127.4	127.5	0.1																			551	59
R9710704	97-174	133.5	133.6	0.1																			218	32
R9710705	97-174	145.1	145.2	0.1																			525	45
R9710706	97-174	156.7	156.8	0.1																			459	50
R9710707	97-174	163.5	163.6	0.1																			279	38
R9710708	97-174	168.6	168.7	0.1																			593	49
R9710709	97-174	179.7	179.8	0.1																			526	54
R9710710	97-174	187.4	187.5	0.1																			561	54
R9710711	97-174	204.3	204.4	0.1																			409	36
R9710712	97-174	214.2	214.3	0.1																			541	56
R9710713	97-174	221.2	221.3	0.1																			464	51
R9710714	97-174	230.3	230.4	0.1																			681	61
R9710715	97-174	240.2	240.3	0.1																			240	48
R9710881	97-174	244.2	244.9	0.7					0.06	2.03	4.04	33.2	0.968	20	5	0.134		417	7.14					
R9710716	97-174	246.0	246.1	0.1																			490	40
R9710882	97-174	247.9	248.9	1.0					0.05	1.84	5.64	35.4	1.033	<10	5	0.128		325	7.56					
R9710883	97-174	248.9	250.4	1.5					0.12	0.68	2.12	10.6	0.309	<10	5	0.136		220	8.93					
R9710717	97-174	255.5	255.6	0.1																			219	41
R9710718	97-174	264.8	264.9	0.1																			210	39
R9710719	97-174	295.3	295.4	0.1																			586	53
R9710720	97-174	312.0	312.1	0.1																			545	36
R9710721	97-174	330.9	331.0	0.1																			515	49
R9710722	97-174	341.2	341.3	0.1																			511	46
R9710723	97-174	349.8	349.9	0.1																			514	53
R9710724	97-174	356.0	356.1	0.1																			495	48
R9710725	97-174	364.1	364.2	0.1																			482	47
R9710726	97-174	370.5	370.6	0.1																			619	60
R9710727	97-174	375.8	375.9	0.1																			475	44
R9710728	97-175	12.4	12.5	0.1																			162	23
R9710729	97-175	20.0	20.1	0.1																			372	44
R9710730	97-175	36.9	37.0	0.1																			67	6
R9710731	97-175	89.8	89.9	0.1																			195	39
R9710732	97-175	131.5	131.6	0.1																			470	60
R9710733	97-175	143.3	143.4	0.1																			445	48
R9710734	97-175	149.2	149.3	0.1																			523	48
R9710735	97-175	172.9	173.0	0.1																			594	51
R9710736	97-175	183.1	183.2	0.1																			455	54
R9710737	97-175	196.6	196.7	0.1																			540	51
R9710738	97-175	206.4	206.5	0.1																			193	27
R9710739	97-175	216.6	216.7	0.1																			453	47
R9710740	97-175	223.5	223.6	0.1																			401	47
R9710741	97-175	231.6	231.7	0.1																			223	32
R9710742	97-175	242.7	242.8	0.1																			556	52
R9710743	97-175	247.0	247.1	0.1																			195	28

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R9710744	97-175	256.7	256.8	0.1																							524	52
R9710745	97-175	267.8	267.9	0.1																							506	60
R9710746	97-175	281.3	281.4	0.1																							554	49
R9710747	97-175	289.2	289.3	0.1																							151	31
R9710748	97-175	291.1	291.2	0.1																							166	27
R9710749	97-175	298.1	298.2	0.1																							541	43
R9710750	97-175	310.8	310.9	0.1																							541	59
R9710751	97-175	327.0	327.1	0.1																							456	45
R9710752	97-175	339.1	339.2	0.1																							668	61
R9710753	97-175	346.7	346.8	0.1																							226	47
R9710754	97-175	364.0	364.1	0.1																							200	41
R9710755	97-175	380.3	380.4	0.1																							239	57
R9710756	97-175	397.1	397.2	0.1																							296	39
R9710757	97-175	405.6	405.7	0.1																							236	51
R9710758	97-175	418.7	418.8	0.1																							218	52
R9710759	97-175	431.2	431.3	0.1																							417	56
R9710760	97-175	438.4	438.5	0.1																							624	55
R9710761	97-175	447.2	447.3	0.1																							218	32
R9710762	97-175	448.6	448.7	0.1																							502	37
R9710763	97-175	460.7	460.8	0.1																							562	54
R9710764	97-175	467.4	467.5	0.1																							529	51
R9710765	97-175	480.0	480.1	0.1																							479	46
R9710766	97-176	22.7	22.8	0.1																							167	27
R9710767	97-176	29.7	29.8	0.1																							297	38
R9710768	97-176	36.2	36.3	0.1																							164	29
R9710769	97-176	46.3	46.4	0.1																							180	28
R9710770	97-176	55.9	56.0	0.1																							168	34
R9710771	97-176	63.4	63.5	0.1																							544	45
R9710772	97-176	78.2	78.3	0.1																							518	49
R9710773	97-176	90.3	90.4	0.1																							563	51
R9710774	97-176	94.4	94.5	0.1																							190	34
R9710775	97-176	102.5	102.6	0.1																							542	49
R9710776	97-176	110.5	110.6	0.1																							521	47
R9710777	97-176	126.9	127.0	0.1																							510	51
R9710778	97-176	135.0	135.1	0.1																							434	47
R9710779	97-176	154.6	154.7	0.1																							465	47
R9710780	97-176	172.7	172.8	0.1																							543	42
R9710781	97-176	184.8	184.9	0.1																							544	52
R9710782	97-176	197.2	197.3	0.1																							284	58
R9710783	97-176	201.8	201.9	0.1																							173	41
R9710784	97-176	207.6	207.7	0.1																							178	41
R9710785	97-176	217.3	217.4	0.1																							228	49
R9710786	97-176	222.5	222.6	0.1																							244	49
R9710787	97-176	226.3	226.4	0.1																							213	48
R9710788	97-176	251.7	251.8	0.1																							491	44
R9710789	97-176	271.3	271.4	0.1																							542	52
R9710790	97-176	288.6	288.7	0.1																							496	47
R9710791	97-176	310.9	311.0	0.1																							609	60
R9710792	97-176	320.1	320.2	0.1																							508	50
R9710793	97-176	327.6	327.7	0.1																							573	53
R9710794	97-176	337.0	337.1	0.1																							482	47
R9710795	97-176	345.7	345.8	0.1																							575	52
R9710796	97-176	351.6	351.7	0.1																							162	30
R9710797	97-177	10.0	10.1	0.1																							351	59
R9710798	97-177	14.7	14.8	0.1																							194	29
R9710799	97-177	18.9	19.0	0.1																							278	36
R9710800	97-177	23.7	23.8	0.1																							147	21
R9710884	97-177	25.6	27.1	1.5							0.11	0.34	1.14	27.4	0.799	188	5	0.314		845	4.76							
R9710801	97-177	30.5	30.6	0.1																							288	36
R9710802	97-177	34.1	34.2	0.1																							305	40
R9710803	97-177	38.0	38.1	0.1																							294	41
R9710804	97-177	39.8	39.9	0.1																							257	33
R9710805	97-177	46.7	46.8	0.1																							234	40
R9710806	97-177	55.2	55.3	0.1																							92	16

R9710807	97-177	58.9	59.0	0.1																			590	51
R9710808	97-177	59.9	60.0	0.1																			190	41
R9710809	97-177	63.7	63.8	0.1																			224	44
R9710810	97-177	68.2	68.3	0.1																			248	46
R9710811	97-178	11.5	11.6	0.1																			416	67
R9710812	97-178	23.2	23.3	0.1																			193	34
R9710813	97-178	28.5	28.6	0.1																			70	26
R9710814	97-178	37.4	37.5	0.1																			476	46
R9710815	97-178	48.2	48.3	0.1																			587	55
R9710816	97-178	55.1	55.2	0.1																			631	57
R9710817	97-178	73.2	73.3	0.1																			298	48
R9710818	97-178	86.5	86.6	0.1																			538	57
R9710819	97-178	89.6	89.7	0.1																			463	47
R9710820	97-178	104.4	104.5	0.1																			362	54
R9710821	97-178	121.5	121.6	0.1																			556	51
R9710822	97-178	130.2	130.3	0.1																			421	58
R9710823	97-178	135.7	135.8	0.1																			230	24
R9710824	97-178	144.7	144.8	0.1																			249	45
R9710825	97-178	157.2	157.3	0.1																			528	54
R9710826	97-178	171.3	171.4	0.1																			537	47
R9710827	97-178	173.1	173.2	0.1																			555	55
R9710828	97-178	180.7	180.8	0.1																			504	55
R9710829	97-178	203.8	203.9	0.1																			450	51
R9710830	97-178	215.7	215.8	0.1																			179	29
R9710831	97-178	225.9	226.0	0.1																			518	48
R9710832	97-178	237.4	237.5	0.1																			540	55
R9710833	97-178	244.6	244.7	0.1																			314	54
R9710834	97-178	262.3	262.4	0.1																			344	54
R9710885	97-178	279.2	280.6	1.4																				
R9710886	97-178	280.6	287.1	6.5																				
R9710887	97-178	287.1	289.7	2.6																				
R9710835	97-178	294.6	294.7	0.1						0.03	0.08	0.22	4.4	0.128	<10	5			539					
R9710836	97-178	325.9	326.0	0.1											20	5			526					
R9710837	97-178	344.4	344.5	0.1											28	5	0.144		419	4.98				
R9710838	97-179	20.0	20.1	0.1																			218	41
R9710839	97-179	41.5	41.6	0.1																			593	54
R9710840	97-179	59.1	59.2	0.1																			578	54
R9710841	97-179	69.0	69.1	0.1																			188	30
R9710842	97-179	94.8	94.9	0.1																			102	9
R9710843	97-179	134.6	134.7	0.1																			62	12
R9710844	97-179	141.7	141.8	0.1																			170	23
R9710845	97-179	147.5	147.6	0.1																			339	55
R9710846	97-179	211.8	211.9	0.1																			279	47
R9710847	97-179	239.8	239.9	0.1																			450	64
R9710848	97-179	253.4	253.5	0.1																			110	7
R9710849	97-179	270.7	270.8	0.1																			284	51
R9710850	97-179	285.3	285.4	0.1																			196	28
R9710851	97-179	293.1	293.2	0.1																			504	59
R9710852	97-179	301.4	301.5	0.1																			426	52
R9710853	97-179	309.0	309.1	0.1																			159	31
R9710854	97-179	327.6	327.7	0.1																			514	51
R9710855	97-179	335.9	336.0	0.1																			532	49
R9710856	97-179	347.8	347.9	0.1																			471	52
R9710857	97-179	366.0	366.1	0.1																			451	45
R9710858	97-179	389.3	389.4	0.1																			162	22
R9710859	97-179	397.9	398.0	0.1																			189	23
R9710860	97-179	430.4	430.5	0.1																			539	57
R9710861	97-179	452.8	452.9	0.1																			184	23
R9710862	97-179	471.7	471.8	0.1																			597	60
R9710863	97-179	483.4	483.5	0.1																			478	55
R9710864	97-179	485.8	485.9	0.1																			423	58
R9710865	97-179	496.3	496.4	0.1																			522	63
R9715518	97-181	12.9	13.8	0.9	902	E17150	E65500	86.6	0.14	1.76	6.58	79.6	2.322	300	5	0.368	0.011	E46401	36.83				189	38
R9715519	97-181	13.8	14.55	0.8	2630	6390	E22550	42	0.33	0.64	2.45	41.0	1.196	200	5	0.316	0.009	326	44.32				202	23
																							484	44

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R9715520	97-181	14.55	16.95	2.4	E56000	E15600	E78500	189	6.28	1.33	8.34	168.1	4.903	1204	5	1.610	0.047	3040	33.77												
R9715521	97-181	16.95	17.65	0.7	E11400	9090	E42150	105.6	1.32	0.91	4.01	98.9	2.885	492	5	1.512	0.044	E10708	28.49												
R9715521	97-181	17.65	19.3	1.7	E95500	4580	E30550	224	10.36	0.36	3.18	201.1	5.865	4800	5	6.016	0.175	1141	31.96												
R9715523	97-181	19.3	19.6	0.3	8140	81	1380	14.6	0.97	0.01	0.14	15.7	0.458	44	5	0.138	0.004	1055	4.96												
R9718960	97-181	20.1	20.2	0.1																											
R9719031	97-181	20.2	21.0	0.8	41	24	52	0.8						<10	5				1.02											261	45
R9718961	97-181	26.1	26.2	0.1																											
R9718962	97-181	32.5	32.6	0.1																										251	50
R9718963	97-181	38.5	38.6	0.1																										582	58
R9718964	97-181	45.0	45.1	0.1																										397	48
R9718965	97-181	51.0	51.1	0.1																										382	42
R9718966	97-181	53.2	53.3	0.1																										505	56
R9718967	97-181	57.4	57.5	0.1																										562	52
R9718968	97-181	64.0	64.1	0.1																										424	50
R9718969	97-181	69.1	69.2	0.1																										260	51
R9718970	97-181	70.4	70.5	0.1																										206	24
R9718971	97-181	74.9	75.0	0.1																										202	23
R9718972	97-181	78.0	78.1	0.1																										282	42
R9718973	97-181	84.5	84.6	0.1																										564	51
R9719032	97-181	86.35	87.35	1.0	34	278	4330	1.3						<10	5				5.01											264	49
R9718981	97-181	89.6	89.7	0.1																											
R9718980	97-181	92.0	92.1	0.1																										311	52
R9718974	97-181	95.9	96.0	0.1																										553	51
R9718975	97-181	101.2	101.3	0.1																										576	58
R9718976	97-181	107.7	107.8	0.1																										331	38
R9718977	97-181	111.8	111.9	0.1																										519	52
R9718978	97-181	115.9	116.0	0.1																										497	48
R9718979	97-181	120.2	120.3	0.1																										239	41
R9718982	97-181	124.0	124.1	0.1																										442	42
R9718983	97-181	129.9	130.0	0.1																										569	55
R9718940	97-182	8.2	8.3	0.1																										492	47
R9719010	97-182	14.1	15.6	1.5	154	101	239	2						<10	5				4.17											548	59
R9719011	97-182	15.6	16.5	0.9	8300	1270	4030	32.2						124	5				17.1												
R9719012	97-182	16.5	17.5	1.0	92	49	385	0.6						<10	5				3.05											539	52
R9719013	97-182	17.5	18.0	0.5	E14500	736	2040	35.7	1.55	0.08	0.23	32.4	0.945	200	5	0.34	0.01		12.05												
R9719014	97-182	18.0	19.5	1.5	12	23	52	0.7						<10	5				2.78												
R9718941	97-182	20.4	20.5	0.1																										565	54
R9718942	97-182	26.6	26.7	0.1																										290	41
R9718943	97-182	32.5	32.6	0.1																										377	46
R9718944	97-182	35.5	35.6	0.1																										173	34
R9719015	97-182	38.4	38.9	0.5	285	970	6210	2.5						<10	5				9.88											155	28
R9719016	97-182	38.9	40.4	1.5	6580	871	9240	12.7						<10	5				7.9												
R9719017	97-182	40.4	41.6	1.2	163	46	456	0.6						<10	5				7.68												
R9719018	97-182	41.6	43.2	1.6	168	135	1140	1.3						<10	5				8.33												
R9719019	97-182	43.2	44.9	1.7	2700	1680	E11400	13.5						<10	5				15.66											108	19
R9719020	97-182	44.9	46.4	1.5	4060	806	2560	14.4						<10	5				11.85												
R9719021	97-182	46.4	47.3	0.9	1120	174	686	5.4						40	5				6.75												
R9719022	97-182	47.3	48.8	1.5	97	309	370	1.5						<10	5				5.79												
R9718945	97-182	52.0	52.1	0.1																										204	39
R9718946	97-182	58.0	58.1	0.1																										147	39
R9718947	97-182	64.0	64.1	0.1																										179	44
R9719023	97-182	65.2	66.2	1.0	3150	101	2460	5.3						<10	5				9.33											156	36
R9719024	97-182	66.2	67.7	1.5	5430	338	1150	11						40	5				10.32												
R9719025	97-182	67.7	68.2	0.5	507	44	427	1.3						<10	5				10.77											172	30
R9718948	97-182	70.3	70.4	0.1																											
R9719026	97-182	70.5	72.0	1.5	1380	320	1170	3.2						<10	5				5.77											229	30
R9719027	97-182	72.0	72.6	0.6	8130	452	4790	13.3						80	5				5.72												
R9719028	97-182	72.6	74.1	1.5	392	143	1680	1.3						<10	5				2.53												
R9718949	97-182	76.0	76.1	0.1																										440	51
R9718950	97-182	82.5	82.6	0.1																										523	54
R9718951	97-182	88.4	88.5	0.1																										481	47
R9718952	97-182	94.4	94.5	0.1																										542	52
R9718953	97-182	100.8	100.9	0.1																										530	44
R9718954	97-182	106.4	106.5	0.1																										474	46
																														456	46

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R9718955	97-182	111.7	111.8	0.1																		533	60
R9718956	97-182	117.7	117.8	0.1																		493	46
R9718957	97-182	124.0	124.1	0.1																		591	57
R9718958	97-182	130.0	130.1	0.1																		525	58
R9718959	97-182	134.9	135.0	0.1																		506	48
R9719832	97-183	6.1	8.2	2.1					3.39	0.88	11.49	99.3	2.896			0.68	0.02		31.2				
R9719029	97-183	8.2	11.3	3.1	E19700	8840	E103000	87.5	2.07	0.92	11.01	78.8	2.298	360	5	0.649	0.019		23.8				
R9719030	97-183A	5.6	7.3	1.7	8450	2900	E10400	63.4	0.84	0.31	1.04	56	1.633	160	5	0.312	0.009		23.2				
R9718984	97-186	13.1	13.2	0.1																		385	47
R9718985	97-186	15.8	15.9	0.1																		351	48
R9718986	97-186	21.0	21.1	0.1																		369	45
R9718987	97-186	26.7	26.8	0.1																		318	33
R9718988	97-186	32.5	32.6	0.1																		241	55
R9718989	97-186	35.8	35.9	0.1																		50	13
R9718990	97-186	41.9	42.0	0.1																		532	52
R9718991	97-186	46.4	46.5	0.1																		531	54
R9718992	97-186	48.9	49.0	0.1																		615	55
R9718993	97-187	7.9	8.0	0.1																		581	50
R9718994	97-187	16.4	16.5	0.1																		570	66
R9718995	97-187	18.4	18.5	0.1																		458	52
R9718996	97-187	20.9	21.0	0.1																		502	50
R9718997	97-187	26.5	26.6	0.1																		512	44
R9718998	97-187	32.7	32.8	0.1																		582	57
R9718999	97-187	36.8	36.9	0.1																		573	56
R9719000	97-187	39.7	39.8	0.1																		442	49
R9719001	97-187	45.5	45.6	0.1																		623	57
R9719002	97-187	51.8	51.9	0.1																		553	58
R9719003	97-187	56.6	56.7	0.1																		583	57
R9719004	97-187	59.3	59.4	0.1																		567	57
R9719005	97-187	62.9	63.0	0.1																		198	18
R9719006	97-187	64.6	64.7	0.1																		342	49

093848

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LAB NO	DDH	DRILL INTERVAL		INTERVAL	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
		from	to		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pm	ppm	ppm	%	%	%	%	%	%
R9710636	97-172	22 4	22 5	0 1	28	7	37	< 4	2	49	<1	5	7	2 05	3	24	<5	<5	<2	<2	<2	26	6	60	833	0 49	< 01	0 19	1 84	0 01	0 17
R9710637	97-172	42 8	42 9	0 1	19	40	11	0 5	2	110	<1	2	6	0 74	3	45	<5	<5	<2	<2	<2	9	4	21	60	0 04	< 01	0 2	0 3	0 01	0 18
R9710638	97-172	52 6	52 7	0 1	17	16	84	0 5	6	127	<1	23	20	5 46	2	63	<5	<5	79	<2	<2	127	6	4	1144	2 67	0 02	1 81	4 01	0 02	0 26
R9710639	97-172	54 5	54 6	0 1	50	18	52	0 9	<2	108	<1	5	8	2 01	2	48	<5	<5	<2	<2	<2	28	8	50	419	0 13	< 01	0 38	1 1	0 02	0 21
R9710640	97-172	61 9	62 0	0 1	6	<4	33	< 4	2	158	<1	<1	3	1 2	2	34	<5	<5	4	<2	<2	40	6	52	358	0 37	0 01	0 68	1 23	0 02	0 43
R9710641	97-172	70 6	70 7	0 1	54	172	668	< 4	5	78	3	4	6	1 89	2	35	<5	<5	2	<2	<2	34	5	55	622	0 32	< 01	0 23	1 31	0 02	0 15
R9710642	97-172	72 3	72 4	0 1	10	6	131	0 7	<2	83	<1	14	5	4 23	2	17	<5	<5	33	<2	<2	92	5	12	909	1 28	0 03	0 96	3 14	0 01	0 33
R9710643	97-172	76 3	76 4	0 1	9	13	237	< 4	4	110	<1	1	4	2 03	4	32	<5	<5	2	<2	<2	62	7	69	1045	0 75	< 01	0 24	2 71	0 03	0 15
R9710866	97-172	79 1	80 6	1 5	79	17	75	0 5	<2	92	<1	2	5	2 4	2	24	<5	<5	2	<2	<2	53	5	50	1048	0 68	< 01	0 39	2 18	0 01	0 21
R9710867	97-172	80 6	80 8	0 2	2012	302	233	5 7	3	14	<1	19	23	E17 46	2	7	7	<5	3	2	<2	67	4	27	1481	1 02	0 01	0 52	2 71	0 01	0 25
R9710868	97-172	80 8	82 3	1 5	32	8	63	< 4	<2	98	<1	3	6	2 37	3	26	<5	<5	3	<2	<2	43	5	58	809	0 69	< 01	0 57	1 94	0 01	0 24
R9710644	97-172	81 1	81 2	0 1	57	4	183	< 4	2	94	<1	3	5	4 13	3	9	<5	<5	4	<2	<2	51	7	77	1072	1 13	0 01	1 09	2 38	0 01	0 37
R9710645	97-172	83 8	83 9	0 1	29	6	18	< 4	3	92	<1	3	6	1 78	3	37	<5	<5	<2	<2	<2	39	5	51	776	0 61	< 01	0 31	2 05	0 02	0 2
R9710646	97-172	85 7	85 8	0 1	8	5	96	1 1	2	179	<1	21	17	5 54	3	56	<5	<5	89	<2	<2	105	6	4	1025	2 37	0 03	1 7	4 62	0 02	0 22
R9710647	97-172	92 5	92 6	0 1	16	10	132	< 4	50	684	<1	43	66	7 77	4	155	<5	<5	114	2	<2	237	11	<2	1374	3 39	0 23	4 37	8 92	0 02	2 37
R9710648	97-172	97 0	97 1	0 1	75	10	79	< 4	3	159	<1	8	8	3 11	3	45	<5	<5	5	<2	<2	42	4	5	603	0 55	0 02	0 98	1 2	0 02	0 55
R9710649	97-172	108 5	108 6	0 1	30	10	82	1 3	<2	167	<1	2	6	1 76	3	46	<5	<5	2	<2	<2	68	5	6	661	0 37	< 01	0 26	1 47	0 01	0 22
R9710650	97-172	127 5	127 6	0 1	59	11	55	< 4	7	157	<1	5	5	1 54	<2	35	<5	<5	<2	<2	<2	83	4	4	681	0 33	< 01	0 18	1 4	0 01	0 18
R9710651	97-172	139 9	140 0	0 1	86	8	41	< 4	<2	145	<1	9	4	1 83	3	49	<5	<5	<2	<2	<2	97	5	5	657	0 37	< 01	0 22	1 81	0 02	0 2
R9710652	97-172	151 4	151 5	0 1	10	20	44	1 1	2	55	<1	3	5	1 6	2	30	<5	<5	<2	<2	<2	39	3	3	273	0 32	< 01	0 19	1 03	0 01	0 12
R9710653	97-172	162 9	163 0	0 1	8	4	30	1	<2	32	<1	5	6	2 74	2	25	<5	<5	<2	<2	<2	44	4	2	348	0 76	< 01	0 17	2 1	0 01	0 13
R9710654	97-172	171 8	171 9	0 1	10	18	58	1 1	3	25	<1	2	3	1 03	2	44	<5	<5	<2	<2	<2	14	2	3	185	0 41	< 01	0 19	0 8	0 01	0 12
R9710655	97-172	183 8	183 9	0 1	3	13	12	< 4	12	30	<1	2	3	1 02	<2	41	<5	<5	<2	<2	<2	8	2	5	185	0 23	< 01	0 23	0 53	0 02	0 15
R9710656	97-172	197 3	197 4	0 1	3	4	14	0 5	10	43	<1	1	2	0 49	<2	41	<5	<5	<2	<2	<2	2	<2	8	11	0 01	< 01	0 17	0 08	0 01	0 12
R9710657	97-172	207 2	207 3	0 1	10	20	12	0 4	46	18	<1	2	4	2 07	<2	42	<5	<5	<2	<2	<2	<2	<2	4	9	0 01	< 01	0 16	0 07	0 01	0 11
R9710658	97-172	209 3	209 4	0 1	15	42	17	0 7	28	24	<1	1	3	1 35	3	37	<5	<5	<2	<2	<2	<2	<2	7	14	0 01	< 01	0 22	0 03	0 01	0 15
R9710659	97-172	222 3	222 4	0 1	5	6	18	< 4	3	30	<1	<1	3	0 77	2	47	<5	<5	<2	<2	<2	25	3	14	431	0 65	< 01	0 16	1 45	0 01	0 12
R9710660	97-172	234 2	234 3	0 1	22	6	37	< 4	<2	131	<1	4	6	2 22	3	39	<5	<5	3	<2	<2	64	10	49	751	0 63	< 01	0 76	2 67	0 02	0 17
R9710661	97-172	245 8	245 9	0 1	165	<4	211	< 4	<2	67	<1	13	8	4 23	2	40	<5	<5	9	<2	<2	25	4	7	520	0 96	0 01	1 37	0 75	0 03	0 14
R9710662	97-172	254 2	254 3	0 1	17	6	64	0 7	<2	115	<1	3	6	2 48	4	31	<5	<5	3	<2	<2	49	5	12	759	0 73	< 01	0 77	1 37	0 02	0 3
R9710663	97-172	258 7	258 8	0 1	15	5	71	< 4	<2	132	<1	3	6	2 17	4	27	<5	<5	6	<2	<2	62	6	9	599	0 74	0 03	1 1	1 48	0 02	0 6
R9710664	97-172	264 2	264 3	0 1	5	65	129	0 9	<2	48	<1	2	5	1 27	<2	44	<5	<5	2	<2	<2	37	4	6	456	0 46	< 01	0 3	1 36	0 02	0 22
R9710665	97-172	274 4	274 5	0 1	4	<4	16	< 4	<2	50	<1	1	4	0 9	<2	32	<5	<5	2	2	<2	27	6	18	405	0 33	< 01	0 53	1 17	0 02	0 34
R9710666	97-172	294 9	295 0	0 1	1	5	12	< 4	3	49	<1	1	3	0 73	<2	47	<5	<5	<2	<2	<2	30	4	29	379	0 37	< 01	0 2	1 27	0 02	0 17
R9710667	97-172	319 0	319 1	0 1	20	9	74	< 4	5	175	<1	3	8	1 47	<2	52	<5	<5	4	<2	<2	47	4	34	387	0 58	< 01	0 53	1 11	0 02	0 16
R9710668	97-172	343 3	343 4	0 1	3	58	21	0 5	<2	169	<1	<1	2	0 47	<2	49	<5	<5	2	10	<2	83	6	40	421	0 18	< 01	0 22	1 73	0 02	0 2
R9710669	97-173	9 0	9 1	0 1	22	<4	40	< 4	<2	85	<1	1	3	2 71	<2	32	<5	<5	3	<2	<2	7	5	11	143	0 29	< 01	0 7	0 15	0 01	0 12
R9710670	97-173	42 8	42 9	0 1	7	<4	61	< 4	<2	84	<1	2	5	2 29	2	23	<5	<5	2	<2	<2	16	7	72	566	0 34	< 01	0 25	1 05	0 01	0 2
R9710671	97-173	53 6	53 7	0 1	4	<4	35	< 4	<2	57	<1	2	4	1 71	2	23	<5	<5	<2	2	<2	19	6	48	653	0 44	< 01	0 18	1 3	0 01	0 17
R9710672	97-173	58 0	58 1	0 1	7	4	60	< 4	3	240	<1	16	8	5 32	4	31	<5	<5	57	<2	<2	58	9	17	962	1 18	0 1	2 14	3 8	0 01	1 2
R9710673	97-173	70 3	70 4	0 1	5	17	25	< 4	<2	83	<1	2	4	1 58	2	28	<5	<5	<2	<2	<2	32	7	19	403	0 17	< 01	0 25	1 8	0 01	0 26
R9710674	97-173	80 8	80 9	0 1	4	4	7	< 4	3	33	<1	1	2	1 04	<2	27	<5	<5	<2	<2	<2	4	2	6	151	0 02	< 01	0 14	0 39	0 01	0 16
R9710675	97-173	87 2	87 3	0 1	2	9	6	< 4	<2	36	<1	1	1	0 37	<2	18	<5	<5	<2	<2	<2	3	2	14	102	0 01	< 01	0 15	0 2	0 01	0 18
R9710676	97-173	90 4	90 5	0 1	2	8	5	0 5	<2	31	<1	1	1	0 23	4	24	<5	<5	<2	<2	<2	40	7	11	417	0 04	< 01	0 19	1 5	0 01	0 24
R9710677	97-173	95 8	95 9	0 1	3	27	2	< 4	<2	22	<1	2	3	0 62	10	40	<5	<5	<2	<2	<2	20	3	5	372	0 02	< 01	0 13	1 03	0 03	0 11
R9710678	97-173	105 3	105 4	0 1	10	9	37	1	46	90	<1	21	36	3 63	2	33	<5	<5	15	2	<2	101	5	<2	1114	1 67	0 03	0 54	4 95	0 01	0 47
R9710679	97-173	115 7	115 8	0 1	<1	11	117	< 4	<2	573	<1	20	6	6 2	3	15	<5	<5	132	<2	<2	82	10	2	720	3 04	0 37	3 5	2 58	0 03	2 86
R9710680	97-173	121 2	121 3	0 1	2	<4	3	< 4	<2	86	<1	1	1	0 21	<2	32	<5	<5	<2	<2	<2	5	2	5	42	0 02	< 01	0 14	0 17	0 01	0 17
R9710681	97-173	138 0	138 1	0 1	3	20	4	1 6	<2	102	<1	2	3	0 57	2	25	<5	<5	<2	<2	<2	25	5	5	359	0 03	< 01	0 17	1 06	0 01	0 2
R9710682	97-173	146 6	146 7	0 1	5	7	4	< 4	<2	85	<1	2	3	0 64	2	23	<5	<5	<2	<2	<2	20	4	10	306	0 26	< 01	0 29	1 15	0 01	0 23
R9710683	97-173	160 8	160 9	0 1	3	9	2	1 1	<2	90	<1	3	3	1 01	2	25	<5	<5	<2	<2	<2	72	10	<2	821	0 06	< 01	0 17	2 83	0 01	0 19
R9710684	97-173	181 6	181 7	0 1	8	10	5	0 7	<2	66	<1	3	4	0 58	4	23	<5	<5	<2	<2	<2	29	7	6	426	0 05	< 01	0 24	1 44	0 01	0 23
R9710685	97-173	226 7	226 8	0 1	4	13	2	0 9	<2	23	<1	<1	2	0 46	2	49	<5	<5	<2	<2	<2	151	17	<2	392	0 08	< 01	0 11	5 87	0 01	0 08
R9710686	97-173	251 4	251 5	0 1	6	80	321	1 1	53	34	1	5	37	3 15	8	27	<5	<5	2	<2	<2	47	6	<2	756	0 85	< 01	0 24	2 66	0 01	0 16
R9710869	97-173	251 9	253 2	1 3	15	78	26	< 4	133	8	<1	3	37	8 28	35	29	<5	15	2	<2	<2	22	<2	<2	369	0 32	< 01	0 18	0 97	0 01	0 12
R9710687	97-173	260 6	260 7	0 1	4	9	1	0 6	121	76	<1	1	2	0 74	2	39	<5	<5	<2	<2	<2	6	3	8	37	0 02	< 01	0 24	0 18	0 01	0 17
R9710870	97-173	264 2	265 7	1 5	81	57	863	1 3	147	87	6	1	2	0 42	<2	49	<5	<5	<2	<2	<2	19	2	8	115	0 01	< 01	0 21	0 45	0 01	0 18
R9710871	97-173	265 7	266 0	0 3	E44800	293	8798	E104	12	15	40	4	7	5 59	<2	92	29	49	<2	2	<2	4	<2	<2	108	0 08	< 01	0 14	0 12	0 01	0 03
R9710872	97-173	266 0	267 2	1 2	E14040	E13370	E74600	E122	702	<5	299	36	9	E29 87	4	11	80	54	3	5	<2	12	<2	<2	951	0 99	0 01	1 22	0 43	0 01	0 47
R9710873	97-173	267 2	268 7	1 5	53	326	1533	1 2	E1339	57	13	2	3	1 27	3	40	<5	<5	<2	<2	<2	2	<2	13	14	0 03	< 01	0 22	0 04	0 01	0 2
R9710688	97-173	269 5	269 6	0 1	10	907	1847	3 8	145	51	7	1	2	1 72	3	39	<5	<5	<2	<2	<2	2	<2	32	9	0 01	< 01	0 22	0 03	0 01	0 2
R9710689	97-173	273 5	273 6	0 1	3	29	6	< 4	779	35	3	1	3	1 13	3	40	<5	<5	<2	<2	<2	23	8	46	198	0 03	< 01	0 17	1 05	0 01	0 14
R9710874	97-173	278 0	281 0	3 0	6	24	12	0 6	129	43	<1	1	2	0 88	<2	45	<5	<5	<2	<2	<2	4	8	35	12	0 01	< 01	0 16	0 06	0 01	0 12
R9710690	97-173	280 5	280 6	0 1	3	31	13	< 4	225	55	<1	1	2	1 12	2	42	<5	<5	<2	<2	<2	5	7	39	<5	0 01	< 01	0 17	0 03	0 01	0 12
R9710875	97-173	281 0	282 5	1 5	8081	E43200	E82120	E253	E3424	22	331	14	13	E30 98	6	20	31	260	6	14	<2	72	3	<2	1277	0 81	< 01	0 2	3 32	0 01	< 01
R9710876	97-173	282 5	283 9	1 4	3970	E27610	E73280	E204	203	110	324	13	18	E32 88	6	24	13	257	14	8	<2	92	4	<2	782	0 38	< 01	0 41	3 77	0 01	0 04
R9710877	97-173	283 9	285 8	1 9	352	1245	2329	8 9	29	83	9	20	44	4 44	<2	148	<5	17	84	2	<2	123	7	<2	819	2 5	0 02	2 78	4 73	0 02	0 15

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R9710878	97-173	285.8	286.3	0.5	1177	E41810	E97650	E358	206	76	374	10	14	E32.34	7	24	21	657	7	8	<2	84	2	<2	763	0.55	<.01	0.28	3.18	0.01	0.01
R9710879	97-173	286.3	286.7	0.4	301	6559	E18650	48	60	36	89	21	44	9.94	6	146	<5	56	83	9	<2	19	6	<2	877	1.7	0.06	3.98	5.39	0.06	0.34
R9710880	97-173	286.7	288.2	1.5	158	1331	439	7.9	39	759	1	28	54	5.01	4	191	<5	6	127	2	<2	172	4	<2	891	3.2	0.11	3.25	5.02	0.02	0.1
R9710691	97-173	288.2	288.3	0.1	40	918	317	4.9	13	712	1	23	49	4.12	2	170	<5	<5	104	3	<2	84	2	<2	768	2.82	0.07	2.94	3.93	0.02	0.09
R9710692	97-174	12.9	13.0	0.1	6	4	70	<.4	12	51	<1	18	17	4.81	2	60	<5	<5	136	<2	<2	107	12	18	725	1.76	0.02	2.53	2.71	0.02	0.11
R9710693	97-174	17.3	17.4	0.1	25	64	51	<.4	<2	147	<1	12	17	2.35	4	29	<5	<5	9	<2	<2	24	13	17	155	0.16	<.01	0.47	0.75	0.02	0.17
R9710694	97-174	41.2	41.3	0.1	7	13	4	0.7	<2	119	<1	2	3	1.48	4	35	<5	<5	2	7	<2	117	16	14	1285	0.18	<.01	0.2	6.54	0.01	0.16
R9710695	97-174	52.0	52.1	0.1	3	13	16	<.4	<2	125	<1	2	6	0.91	<2	33	<5	<5	2	2	<2	15	4	48	115	0.18	<.01	0.37	0.49	0.02	0.31
R9710696	97-174	64.9	65.0	0.1	3	41	4	0.4	<2	89	<1	1	2	0.31	<2	60	<5	<5	<2	2	<2	46	6	9	339	0.07	<.01	0.25	2.04	0.01	0.25
R9710697	97-174	69.5	69.6	0.1	2	4	5	0.6	<2	86	<1	1	2	0.42	2	35	<5	<5	<2	<2	<2	36	5	10	255	0.04	<.01	0.28	1.07	0.01	0.24
R9710698	97-174	80.4	80.5	0.1	5	7	14	0.9	10	55	<1	3	5	1.13	2	37	<5	<5	<2	<2	<2	15	4	10	156	0.03	<.01	0.27	0.58	0.02	0.22
R9710699	97-174	93.8	93.9	0.1	6	<4	19	<.4	<2	94	<1	3	5	1.76	3	33	<5	<5	2	<2	<2	11	6	50	549	0.38	0.01	0.71	1.08	0.02	0.55
R9710700	97-174	97.1	97.2	0.1	10	<4	90	<.4	<2	126	<1	3	5	2.06	4	22	<5	<5	<2	<2	<2	19	8	60	810	0.54	<.01	0.44	1.97	0.01	0.36
R9710701	97-174	117.8	117.9	0.1	4	<4	13	0.7	<2	66	<1	2	4	1.24	<2	23	<5	<5	<2	<2	<2	24	8	34	1102	0.48	<.01	0.3	1.84	0.01	0.25
R9710702	97-174	123.0	123.1	0.1	11	7	82	<.4	<2	97	<1	21	19	4.48	3	72	<5	<5	126	4	<2	130	14	<2	779	1.74	0.03	2.33	4.47	0.02	0.19
R9710703	97-174	127.4	127.5	0.1	5	28	20	0.7	<2	139	<1	2	2	1.11	2	25	<5	<5	3	5	<2	60	13	70	486	0.2	0.02	0.48	2.41	0.02	0.41
R9710704	97-174	133.5	133.6	0.1	2	5	92	<.4	<2	108	<1	18	6	5.73	5	23	<5	<5	136	3	<2	93	12	19	749	1.72	0.05	2.6	2.77	0.02	0.46
R9710705	97-174	145.1	145.2	0.1	8	37	203	1	<2	74	<1	3	5	2.1	4	30	<5	<5	4	<2	<2	29	12	39	688	0.62	0.02	0.96	2.14	0.01	0.61
R9710706	97-174	156.7	156.8	0.1	6	5	77	<.4	<2	81	<1	2	5	1.62	3	25	<5	<5	<2	<2	<2	21	4	13	591	0.36	<.01	0.3	0.88	0.01	0.24
R9710707	97-174	163.5	163.6	0.1	17	8	108	<.4	<2	154	<1	25	17	6.85	3	59	<5	<5	160	<2	<2	86	16	2	1117	2.16	0.14	2.68	3.06	0.02	1.39
R9710708	97-174	168.6	168.7	0.1	27	9	26	0.5	<2	139	<1	3	4	1.82	2	24	<5	<5	<2	<2	<2	31	5	12	520	0.26	<.01	0.29	1.09	0.01	0.22
R9710709	97-174	179.7	179.8	0.1	51	16	28	0.8	<2	84	<1	6	7	2.23	<2	26	<5	<5	<2	<2	<2	27	10	37	439	0.23	<.01	0.41	1.34	0.01	0.24
R9710710	97-174	187.4	187.5	0.1	6	7	27	0.6	<2	60	<1	1	3	1.19	<2	24	<5	<5	<2	<2	<2	27	3	5	276	0.25	<.01	0.2	0.99	0.01	0.14
R9710711	97-174	204.3	204.4	0.1	169	7	3591	<.4	<2	94	20	5	5	3.43	3	19	<5	<5	4	<2	<2	19	6	20	654	0.73	0.02	1	0.98	0.02	0.37
R9710712	97-174	214.2	214.3	0.1	25	4	44	1.1	<2	70	<1	2	4	2.14	3	14	<5	<5	<2	<2	<2	37	5	17	626	0.88	<.01	0.57	2.33	0.02	0.11
R9710713	97-174	221.2	221.3	0.1	26	4	71	1.3	<2	127	<1	2	5	2.25	4	26	<5	<5	3	<2	<2	33	10	33	649	0.89	<.01	1.08	2.4	0.02	0.36
R9710714	97-174	230.3	230.4	0.1	30	4	87	<.4	<2	69	<1	9	15	2.45	7	17	<5	<5	2	<2	<2	17	8	40	265	0.65	<.01	0.67	1.01	0.02	0.15
R9710715	97-174	240.2	240.3	0.1	6	<4	42	<.4	<2	51	<1	<1	2	0.94	3	27	<5	<5	<2	<2	<2	20	4	19	428	0.79	<.01	0.45	1.43	0.02	0.12
R9710881	97-174	244.2	244.9	0.7	401	E20120	E45690	24.1	2	16	181	4	5	4.84	6	5	<5	15	2	<2	<2	10	3	7	410	3.19	<.01	2.9	0.68	0.01	0.04
R9710716	97-174	246.0	246.1	0.1	19	40	132	0.8	<2	48	<1	<1	4	0.82	9	<4	<5	<5	<2	<2	<2	13	4	12	328	0.88	<.01	0.67	0.88	0.02	0.15
R9710882	97-174	247.9	248.9	1.0	339	E18940	E74050	28.2	21	22	310	9	4	5.9	6	6	52	<5	2	<2	<2	42	3	<2	1865	3.68	<.01	2.57	2.94	0.01	0.04
R9710883	97-174	248.9	250.4	1.5	836	4784	E21300	8.1	22	15	85	4	5	5.8	4	18	10	<5	<2	<2	<2	23	3	8	1429	3.5	<.01	3.3	1.56	0.01	0.02
R9710717	97-174	255.5	255.6	0.1	2	72	181	1.4	<2	72	<1	<1	2	1.88	5	<4	<5	<5	<2	<2	<2	139	8	<2	2626	5.82	<.01	0.98	8.21	0.01	0.08
R9710718	97-174	264.8	264.9	0.1	68	450	80	1.3	9	41	<1	3	36	2.7	2	27	<5	<5	<2	<2	<2	12	3	16	568	0.47	<.01	0.25	0.91	0.02	0.16
R9710719	97-174	295.3	295.4	0.1	27	<4	65	<.4	<2	71	<1	1	4	2.26	2	33	<5	<5	3	<2	<2	12	7	38	461	0.51	0.01	0.85	0.72	0.02	0.37
R9710720	97-174	312.0	312.1	0.1	7	4	51	<.4	<2	156	<1	4	6	3.28	2	27	<5	<5	6	<2	<2	26	10	43	749	0.86	0.05	1.75	1.56	0.02	0.86
R9710721	97-174	330.9	331.0	0.1	40	4	53	<.4	<2	78	<1	3	6	2.02	3	32	<5	<5	3	<2	<2	25	10	41	606	0.7	0.01	0.8	2.04	0.01	0.39
R9710722	97-174	341.2	341.3	0.1	3	4	16	0.8	<2	68	<1	<1	3	1.72	2	29	<5	<5	<2	<2	<2	41	5	46	731	0.76	<.01	0.38	2.61	0.02	0.18
R9710723	97-174	349.8	349.9	0.1	7	<4	25	1.6	<2	56	<1	<1	2	1.46	3	27	<5	<5	<2	<2	<2	37	5	28	711	0.63	<.01	0.27	2.1	0.01	0.17
R9710724	97-174	356.0	356.1	0.1	5	<4	50	1	<2	109	<1	4	5	2.45	2	38	<5	<5	4	<2	<2	57	7	14	691	0.9	0.01	1.35	2.62	0.01	0.48
R9710725	97-174	364.1	364.2	0.1	48	4	26	0.5	<2	78	<1	5	7	2.95	4	28	<5	<5	<2	<2	<2	49	5	30	626	0.71	<.01	0.46	1.95	0.02	0.19
R9710726	97-174	370.5	370.6	0.1	8	4	51	<.4	<2	154	<1	2	3	2.13	3	25	<5	<5	2	<2	<2	21	4	52	389	0.3	<.01	0.81	0.67	0.03	0.25
R9710727	97-174	375.8	375.9	0.1	5	4	26	<.4	<2	155	<1	2	4	2.38	3	26	<5	<5	9	<2	<2	62	7	40	988	0.95	0.02	1.02	3.19	0.02	0.46
R9710728	97-175	12.4	12.5	0.1	172	7	169	0.7	2	309	<1	23	58	5.23	5	55	<5	<5	62	<2	<2	90	10	13	768	1.69	0.07	2.61	2.93	0.01	0.58
R9710729	97-175	20.0	20.1	0.1	36	5	103	<.4	<2	225	<1	16	29	3.63	4	35	<5	<5	24	<2	<2	90	15	27	800	0.81	0.03	1.48	3.22	0.01	0.35
R9710730	97-175	36.9	37.0	0.1	58	12	267	<.4	33	456	<1	23	56	3.63	3	75	<5	<5	20	<2	<2	95	2	<2	1379	2.19	0.01	1.81	3.16	0.01	0.26
R9710731	97-175	89.8	89.9	0.1	54	68	79	<.4	11	37	<1	31	27	6.19	4	40	<5	<5	93	<2	<2	107	14	11	1048	1.58	<.01	2.54	4.16	0.02	0.06
R9710732	97-175	131.5	131.6	0.1	5	<4	67	<.4	<2	131	<1	1	4	2.7	2	20	<5	<5	5	<2	<2	35	10	38	239	0.47	<.01	0.82	1.04	0.01	0.13
R9710733	97-175	143.3	143.4	0.1	3	9	24	0.5	<2	119	<1	1	4	1.22	2	27	<5	<5	<2	<2	<2	30	5	69	593	0.2	<.01	0.39	0.99	0.02	0.29
R9710734	97-175	149.2	149.3	0.1	6	5	30	<.4	<2	243	<1	3	5	2.15	4	27	<5	<5	2	<2	<2	72	8	64	818	0.47	<.01	0.3	2.04	0.01	0.28
R9710735	97-175	172.9	173.0	0.1	4	<4	41	<.4	<2	103	<1	3	5	1.86	3	20	<5	<5	2	<2	<2	19	8	84	619	0.23	<.01	0.36	1.26	0.01	0.35
R9710736	97-175	183.1	183.2	0.1	7	20	37	<.4	<2	83	<1	2	4	1.42	3	33	<5	<5	<2	<2	<2	22	7	73	310	0.12	<.01	0.31	1.22	0.02	0.35
R9710737	97-175	196.6	196.7	0.1	4	<4	35	<.4	<2	58	<1	3	4	1.5	2	22	<5	<5	2	<2	<2	28	9	76	552	0.18	0.01	0.52	1.3	0.01	0.38
R9710738	97-175	206.4	206.5	0.1	15	5	42	<.4	<2	80	<1	22	5	4.19	3	14	<5	<5	85	<2	<2	145	15	<2	886	0.75	0.22	1.61	4.94	0.02	1.32
R9710739	97-175	216.6	216.7	0.1	8	48	24	<.4	<2	59	<1	3	4	1.24	2	30	<5	<5	<2	<2	<2	12	6	48	295	0.07	<.01	0.29	0.58	0.01	0.37
R9710740	97-175	223.5	223.6	0.1	6	43	69	0.6	<2	49	1	2	4	0.69	2	41	<5	<5	<2	<2	<2	16	4	16	193	0.07	<.01	0.39	0.62	0.03	0.19
R9710741	97-175	231.6	231.7	0.1	7	7	57	<.4	<2	560	<1	15	4	4.5	2	23	<5	<5	76	<2	<2	68	12	15	956	0.73	0.21	1.75	3.56	0.02	1.38
R9710742	97-175	242.7	242.8	0.1	8	4	29	<.4	<2	62	<1	3	4	1.37	2	24	<5	<5	<2	<2	<2	22	7	64	552	0.2	<.01	0.34	1.27	0.01	0.3
R9710743	97-175	247.0	247.1	0.1	10	67	99	<.4	<2	327	<1	25	23	7.09	4	62	<5	<5	152	3	<2	94	11	4	1314	3.01	0.38	3.96	4.28	0.04	3.38
R9710744	97-175	256.7	256.8	0.1	9	<4	8	<.4	<2	77	<1	2	3	1.7	3	30	<5	<5	4	<2	<2	35	7	15	733	0.32	0.01	0.79	1.53	0.02	0.38
R9710745	97-175	267.8	267.9	0.1	5	<4	12	<.4	<2	97	<1	2	2	0.86	3	30	<5	<5	<2	<2	<2	17	3	7	236	0.06	<.01	0.31	0.87	0.02	0.32
R9710746	97-175	281.3	281.4	0.1	3	4	5	<.4	<2	79	<1	3	4	1.73	3	33	<5	<5	<2	<2	<2	33	6	13	637	0.27	<.01	0.74	1.51	0.01	0.31
R9710747	97-175	289.2	289.3	0.1	8	9	62	1.1	<2	380	<1	18	16	5.05	2	27	<5	<5	44	<2	<2	225	15	<2	1431	1.88	<.01	0.39	6.32	0.01	0.21
R9710748	97-175	291.1	291.2	0.1	1	7	41	<.4	<2	361	<1	23	15	5.67	2	38	<5	<5	107	<2	<2	82	15	<2	2763	1.51	0.18	2.78	5.56	0.03	1.64
R9710749	97-175	298.1	298.2	0.1	1	5	2	<.4	<2	55	<1	<1	1	0.23	<2	41	<5	<5	<2	<2	<2	4	3	16	22	0.01	<.01	0.25	0.2	0.01	0.21
R9710750	97-175	310.8	310.9	0.1	4	4	7	<.4	<2	47	<1	2	3	0.51	2	19	<5	<5	<2	<2	<2	14	3	11	179	0.09	<.01	0.25	0.6	0.01	0.21
R9710751	97-175	327.0	327.1	0.1	4	51	29	<.4	<2	52	<1	3	5	1.07	3	37	<5	<5	<2	<2	<2	21	6	23	343	0.22	<.01	0.45	1.16	0.01	0.22
R9710752	97-175	339.1	339.2	0.1	5	14	13	<.4	<2	46	<1	4	5	0.9	3	18	<5	<5	<2	<2	<2	9	4	10	142	0.09	<.01	0.3	0.52	0.01	0.24
R9710753	97-175	346.7	346.8	0.1	3	39	9	<.4	18	29	<1	1	2	1.12	2	36	<5	<5	<2	<2	<2	2	<2	6	23	0.01	<.01	0.28	0.12	0.01	0.2

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R9710754	97-175	364 0	364.1	0 1	5	20	10	< 4	14	47	<1	1	2	1.03	3	39	<5	<5	<2	<2	<2	14	4	6	99	0 01	< 01	0 27	0 44	0 01	0 19
R9710755	97-175	380 3	380 4	0 1	5	27	8	< 4	11	61	<1	1	2	0 74	3	52	<5	<5	<2	<2	<2	45	11	41	133	0 01	< 01	0 33	0 97	0 02	0 23
R9710756	97-175	397 1	397 2	0 1	1	27	5	< 4	851	141	3	<1	1	0 21	3	41	<5	<5	<2	<2	<2	46	14	40	342	0 04	< 01	0 33	2 33	0 01	0 26
R9710757	97-175	405 6	405 7	0 1	30	43	24	< 4	19	161	<1	2	3	0 79	2	44	<5	<5	<2	<2	<2	4	10	53	23	0 02	< 01	0 29	0 12	0 01	0 19
R9710758	97-175	418 7	418 8	0 1	6	28	15	0 6	17	139	<1	1	2	0 97	2	44	<5	<5	<2	<2	<2	11	6	42	63	0 01	< 01	0 32	0 39	0 01	0 17
R9710759	97-175	431 2	431 3	0 1	5	15	6	0 6	<2	227	<1	2	4	1 06	3	44	<5	<5	<2	<2	<2	44	5	13	155	0 06	< 01	0 32	0 95	0 01	0 17
R9710760	97-175	438 4	438 5	0 1	5	10	29	0 6	<2	89	<1	5	5	1 14	7	26	<5	<5	<2	<2	<2	40	8	22	408	0 33	< 01	0 25	1 34	0 01	0 2
R9710761	97-175	447 2	447 3	0 1	6	6	40	< 4	<2	202	<1	18	10	5 59	2	32	<5	<5	89	<2	<2	80	14	12	1296	1 25	0 1	2 06	4 69	0 02	0 88
R9710762	97-175	448 6	448 7	0 1	5	<4	21	< 4	<2	138	<1	4	5	2 9	3	28	<5	<5	5	<2	<2	27	8	31	841	0 55	0 02	0 95	1 49	0 01	0 61
R9710763	97-175	460 7	460 8	0 1	5	5	50	0 6	<2	110	<1	3	4	1 66	3	24	<5	<5	<2	<2	<2	39	7	22	947	0 47	< 01	0 27	1 38	0 01	0 21
R9710764	97-175	467 4	467 5	0 1	5	15	50	< 4	2	107	<1	4	6	2 24	3	49	<5	<5	3	<2	<2	40	11	35	1362	0 63	0 01	0 76	2 56	0 01	0 44
R9710765	97-175	480 0	480 1	0 1	3	11	47	0 4	<2	80	<1	1	4	2 01	2	36	<5	<5	3	<2	<2	45	9	35	1190	0 43	< 01	0 83	2 06	0 01	0 22
R9710766	97-176	22 7	22 8	0 1	1	<4	2	< 4	<2	134	<1	<1	2	0 21	<2	40	<5	<5	<2	<2	<2	37	6	22	154	0 05	< 01	0 22	1 09	0 01	0 2
R9710767	97-176	29 7	29 8	0 1	6	<4	213	< 4	<2	820	<1	16	7	4 96	3	21	<5	<5	79	<2	<2	54	8	28	598	1 58	0 29	2 49	1 51	0 03	1 99
R9710768	97-176	36 2	36 3	0 1	1	4	2	< 4	<2	132	<1	<1	2	0 26	<2	66	<5	<5	<2	<2	<2	28	6	30	277	0 05	< 01	0 32	1 23	0 01	0 26
R9710769	97-176	46 3	46 4	0 1	<1	7	20	0 5	<2	85	<1	<1	3	0 56	2	42	<5	<5	<2	<2	<2	15	4	8	372	0 23	< 01	0 24	0 93	0 01	0 21
R9710770	97-176	55 9	56 0	0 1	3	46	24	< 4	9	112	<1	1	4	0 97	2	40	<5	<5	<2	<2	<2	77	6	7	617	0 42	< 01	0 23	2 09	0 01	0 18
R9710771	97-176	63 4	63 5	0 1	3	13	35	< 4	<2	66	<1	1	4	1 27	2	31	<5	<5	<2	<2	<2	17	4	10	687	0 36	< 01	0 22	1 35	0 01	0 19
R9710772	97-176	78 2	78 3	0 1	4	48	370	< 4	<2	57	<1	4	6	1 53	<2	27	<5	<5	<2	<2	<2	13	5	43	424	0 22	< 01	0 19	1 02	0 01	0 18
R9710773	97-176	90 3	90 4	0 1	4	8	45	< 4	<2	73	<1	3	4	1 47	<2	29	<5	<5	<2	<2	<2	16	11	63	373	0 33	< 01	0 54	0 76	0 01	0 19
R9710774	97-176	94 4	94 5	0 1	26	7	71	< 4	4	7	<1	21	18	4 18	2	76	<5	<5	173	<2	<2	113	12	5	831	2 28	0 04	3 69	4 02	0 02	0 01
R9710775	97-176	102 5	102 6	0 1	4	6	24	< 4	<2	71	<1	5	6	1 6	<2	30	<5	<5	<2	<2	<2	34	5	39	644	0 37	< 01	0 53	1 22	0 02	0 25
R9710776	97-176	110 5	110 6	0 1	6	4	21	< 4	<2	70	<1	2	4	1 31	<2	19	<5	<5	3	<2	<2	32	7	60	709	0 52	0 01	0 32	1 5	0 01	0 35
R9710777	97-176	126 9	127 0	0 1	4	20	18	1	<2	62	<1	2	3	1 02	2	22	<5	<5	<2	<2	<2	20	6	31	481	0 25	< 01	0 18	0 88	0 01	0 18
R9710778	97-176	135 0	135 1	0 1	5	70	37	0 6	11	66	<1	4	5	1 58	<2	31	<5	<5	<2	<2	<2	39	3	7	558	0 31	< 01	0 19	1 1	0 01	0 17
R9710779	97-176	154 6	154 7	0 1	34	17	759	0 5	<2	70	4	4	5	1 95	2	45	<5	<5	<2	<2	<2	32	5	11	240	0 25	< 01	0 38	1 01	0 01	0 18
R9710780	97-176	172 7	172 8	0 1	33	13	23	< 4	8	72	<1	5	7	2 13	<2	21	<5	<5	<2	<2	<2	42	3	3	355	0 46	< 01	0 21	1 48	0 01	0 15
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R9710782	97-176	197 2	197 3	0 1	4	25	126	0 9	<2	105	<1	2	13	1 19	3	30	<5	<5	11	<2	<2	22	8	17	336	0 79	< 01	0 87	1 86	0 02	0 5
R9710783	97-176	201 8	201 9	0 1	1	7	28	< 4	<2	73	<1	<1	3	0 77	2	33	<5	<5	5	<2	<2	40	7	12	482	1 36	0 01	0 88	2 85	0 02	0 43
R9710784	97-176	207 6	207 7	0 1	8	<4	45	0 8	<2	61	<1	<1	2	0 89	<2	38	<5	<5	<2	<2	<2	14	5	14	252	0 51	< 01	0 49	1 09	0 02	0 33
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R9710788	97-176	251 7	251 8	0 1	21	32	42	< 4	<2	131	<1	1	4	1 39	<2	35	<5	<5	2	<2	<2	36	10	32	564	0 44	0 01	0 55	1 4	0 01	0 31
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R9710790	97-176	288 6	288 7	0 1	8	5	57	< 4	<2	112	<1	2	5	2 68	2	44	<5	<5	2	<2	<2	44	9	31	927	0 6	< 01	0 37	1 46	0 01	0 22
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R9710795	97-176	345 7	345 8	0 1	20	17	19	<.4	12	77	<1	5	6	1 57	3	35	<5	<5	<2	<2	<2	29	6	68	549	0 43	< 01	0 29	1 58	0 02	0 2
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R9710799	97-177	18 9	19 0	0 1	21	7	36	0 8	23	50	<1	6	4	2 41	5	24	<5	<5	<2	<2	<2	46	4	<2	862	0 79	< 01	0 27	2 61	0 01	0 31
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R9710884	97-177	25 6	27 1	1 5	775	2369	9973	20	801	16	53	8	12	4 01	13	15	<5	257	<2	<2	<2	24	4	<2	130	0 03	< 01	0 16	0 77	0 01	0 13
R9710801	97-177	30 5	30 6	0 1	3	18	4	1 1	11	41	<1	1	3	0 63	<2	50	<5	<5	<2	<2	<2	148	10	3	410	0 04	< 01	0 26	3 54	0 01	0 24
R9710802	97-177	34 1	34 2	0 1	9	46	17	< 4	49	45	<1	3	5	1 08	2	44	<5	<5	<2	<2	<2	16	2	4	70	0 01	< 01	0 22	0 51	0 01	0 18
R9710803	97-177	38 0	38 1	0 1	88	15	73	0 6	219	62	1	3	3	4 21	3	<4	<5	<5	<2	<2	<2	173	9	<2	1843	2 17	< 01	0 27	5 91	0 01	0 27
R9710804	97-177	39 8	39 9	0 1	4	15	20	< 4	51	41	<1	1	2	0 59	3	30	<5	<5	<2	<2	<2	5	<2	5	84	0 07	< 01	0 18	0 42	0 01	0 16
R9710805	97-177	46 7	46 8	0 1	6	27	37	< 4	14	37	<1	1	2	1 02	2	36	<5	<5	<2	13	<2	11	2	5	214	0 04	< 01	0 21	0 65	0 01	0 19
R9710806	97-177	55 2	55 3	0 1	9	12	57	0 4	44	63	<1	24	38	4 22	3	18	<5	<5	6	8	<2	195	6	<2	1128	2 14	< 01	0 18	6 7	0 01	0 18
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R9710811	97-178	11 5	11 6	0 1	65	6	139	< 4	<2	44	<1	13	10	4 94	4	26	<5	<5	61	<2	<2	67	12	29	506	1 34	< 01	2 24	2 45	0 02	0 03
R9710812	97-178	23 2	23 3	0 1	18	9	161	< 4	<2	58	<1	17	11	5 15	3	16	<5	<5	96	<2	<2	207	15	2	472	0 99	0 01	1 8	4 84	0 01	0 07
R9710813	97-178	28 5	28 6	0 1	16	14	7	< 4	<2	353	<1	1	8	1 32	3	58	<5	<5	13	<2	<2	68	6	8	540	0 69	< 01	0 21	2 6	0 01	0 13
R9710814	97-178	37 4	37 5	0 1	3	5	33	< 4	<2	127	<1	2	4	1 32	<2	32	<5	<5	2	<2	<2	39	6	64	553	0 32	< 01	0 35	1 42	0 01	0 28
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R9710816	97-178	55 1	55 2	0 1	9	4	17	< 4	<2	89	<1	4	7	1 83	3	18	<5	<5	2	<2	<2	24	6	57	495	0 19	< 01	0 31	1 01	0 02	0 31
R9710817	97-178	73 2	73 3	0 1	2	21	3	< 4	<2	43	<1	1	2	0 41	<2	33	<5	<5	<2	<2	<2	2	<2	10	17	0 03	< 01	0 26	0 05	0 01	0 2
R9710818	97-178	86 5	86 6	0 1	5	16	2	< 4	2	36	<1	3	4	0 56	3	43	<5	<5	<2	<2	<2	14	5	11	157	0 04	< 01	0 32	0 64	0 03	0 19
R9710819	97-178	89 6	89 7	0 1	5	102	6	1 4	<2	45	<1	3	9	0 77	2	22	<5	<5	<2	<2	<2	40	6	5	442	0 06	< 01	0 22	1 61	0 01	0 24
R9710820	97-178	104 4	104 5	0 1	4	5	8	< 4	<2	45	<1	2	3	0 71	<2	28	<5	<5	<2	<2	<2	10	3	12	110	0 03	< 01	0 2	0 35	0 02	0 2
R9710821	97-178	121 5	121 6	0 1	6	<4	17	< 4	<2	70	<1	2	3	0 79	<2	23	<5	<5	<2	<2	<2	10	5	20	241	0 05	< 01	0 25	0 56	0 01	0 29

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R9710822	97-178	130.2	130.3	0.1	1	9	11	<.4	<2	115	<1	<1	1	0.22	2	31	<5	<5	<2	<2	<2	36	6	7	383	0.03	<.01	0.23	1.28	0.01	0.2
R9710823	97-178	135.7	135.8	0.1	19	80	26	<.4	<2	74	<1	34	9	4.33	<2	17	<5	<5	10	<2	<2	42	12	<2	555	0.09	<.01	0.28	2.2	0.01	0.29
R9710824	97-178	144.7	144.8	0.1	4	21	4	0.7	3	41	<1	1	3	0.46	2	48	<5	<5	<2	<2	<2	35	5	2	322	0.03	<.01	0.18	1.36	0.01	0.15
R9710825	97-178	157.2	157.3	0.1	3	8	13	0.4	<2	55	<1	2	4	1.31	<2	24	<5	<5	2	<2	<2	28	4	9	593	0.3	<.01	0.29	1.44	0.01	0.29
R9710826	97-178	171.3	171.4	0.1	6	36	41	0.4	<2	69	<1	4	5	1.66	2	36	<5	<5	2	<2	<2	35	8	21	706	0.3	<.01	0.61	1.54	0.02	0.25
R9710827	97-178	173.1	173.2	0.1	1	11	29	<.4	<2	77	<1	2	3	1.25	2	26	<5	<5	2	<2	<2	28	7	22	535	0.26	<.01	0.6	1.26	0.02	0.3
R9710828	97-178	180.7	180.8	0.1	6	8	14	<.4	<2	213	<1	2	3	1.43	<2	28	<5	<5	2	<2	<2	39	5	8	755	0.24	<.01	0.41	1.35	0.02	0.25
R9710829	97-178	203.8	203.9	0.1	1	11	1	<.4	<2	52	<1	1	1	0.33	2	40	<5	<5	<2	<2	<2	29	3	6	310	0.05	<.01	0.22	1.19	0.03	0.15
R9710830	97-178	215.7	215.8	0.1	4	6	79	<.4	<2	337	<1	20	17	4.99	3	35	<5	<5	100	<2	<2	115	13	<2	835	1.72	0.3	2.56	3.93	0.02	2.05
R9710831	97-178	225.9	226.0	0.1	7	<4	11	<.4	<2	53	<1	3	5	1.61	<2	31	<5	<5	2	<2	<2	24	6	13	503	0.15	<.01	0.57	1.17	0.02	0.29
R9710832	97-178	237.4	237.5	0.1	7	99	42	<.4	<2	58	<1	6	6	1.9	2	24	<5	<5	<2	<2	<2	41	7	6	693	0.17	<.01	0.42	1.35	0.01	0.28
R9710833	97-178	244.6	244.7	0.1	3	<4	1	<.4	<2	36	<1	2	3	0.75	3	39	<5	<5	<2	<2	<2	16	3	6	166	0.04	<.01	0.31	0.63	0.01	0.2
R9710834	97-178	262.3	262.4	0.1	3	14	19	<.4	<2	49	<1	2	4	1.24	3	42	<5	<5	<2	<2	<2	27	5	7	425	0.12	<.01	0.37	1.29	0.01	0.23
R9710885	97-178	279.2	280.6	1.4	7	96	69	0.6	50	22	<1	1	22	1.94	12	26	<5	<5	2	<2	<2	19	<2	2	233	0.3	<.01	0.17	0.84	0.01	0.11
R9710886	97-178	280.6	287.1	6.5	7	121	63	0.6	77	21	<1	1	26	2.6	19	31	<5	<5	<2	<2	<2	19	<2	<2	296	0.32	<.01	0.14	0.89	0.01	0.11
R9710887	97-178	287.1	289.7	2.6	178	588	1909	2.9	102	9	10	2	25	3.91	13	61	<5	16	4	<2	<2	4	<2	<2	55	0.01	<.01	0.09	0.28	0.01	0.06
R9710835	97-178	294.6	294.7	0.1	5	26	20	<.4	12	48	<1	1	2	0.79	<2	32	<5	<5	<2	<2	<2	40	4	2	271	0.01	<.01	0.16	1.51	0.01	0.14
R9710836	97-178	325.9	326.0	0.1	2	<4	36	<.4	<2	43	<1	2	3	0.62	2	36	<5	<5	<2	<2	<2	15	3	13	193	0.16	<.01	0.26	0.75	0.01	0.18
R9710837	97-178	344.4	344.5	0.1	4	27	23	<.4	<2	102	<1	1	3	1.1	2	27	<5	<5	<2	<2	<2	36	7	23	781	0.09	<.01	0.24	1.28	0.01	0.35
R9710838	97-179	20.0	20.1	0.1	68	4	199	<.4	<2	814	<1	22	40	5.2	2	60	<5	<5	179	<2	<2	225	3	<2	860	2.45	0.14	2.86	2.91	0.02	0.64
R9710839	97-179	41.5	41.6	0.1	100	<4	36	<.4	<2	760	<1	21	83	3.94	3	371	<5	<5	115	<2	<2	236	<2	<2	694	2.77	0.16	2.8	4	0.02	1
R9710840	97-179	59.1	59.2	0.1	60	<4	45	0.4	38	18	<1	46	379	3.23	<2	488	<5	<5	43	<2	<2	76	<2	<2	546	3.27	0.01	1.46	3.15	0.01	<.01
R9710841	97-179	69.0	69.1	0.1	67	9	170	0.5	6	146	<1	19	33	4.38	2	40	<5	<5	35	<2	<2	21	5	11	719	0.97	<.01	0.46	0.83	0.01	0.12
R9710842	97-179	94.8	94.9	0.1	20	5	34	<.4	<2	52	<1	14	16	5.17	4	24	<5	<5	50	<2	<2	85	17	29	559	1.43	<.01	1.66	3.22	0.02	0.07
R9710843	97-179	134.6	134.7	0.1	21	5	106	<.4	41	7	<1	17	18	5.94	3	47	<5	<5	137	<2	<2	85	20	22	832	1.83	0.01	2.58	3.09	0.02	<.01
R9710844	97-179	141.7	141.8	0.1	5	<4	27	<.4	<2	124	<1	1	2	1.11	2	34	<5	<5	2	<2	<2	44	13	26	308	0.12	<.01	0.23	1.57	0.03	0.14
R9710845	97-179	147.5	147.6	0.1	9	13	38	<.4	<2	156	<1	6	17	1.6	2	45	<5	<5	7	<2	<2	72	4	23	243	0.58	0.02	0.75	2.06	0.01	0.41
R9710846	97-179	211.8	211.9	0.1	17	8	192	<.4	<2	43	<1	16	10	5.71	3	19	<5	<5	73	<2	<2	106	18	21	927	1.14	<.01	2.04	3.68	0.02	0.09
R9710847	97-179	239.8	239.9	0.1	6	4	19	<.4	<2	85	<1	3	7	1.18	<2	43	<5	<5	4	<2	<2	26	6	35	216	0.13	<.01	0.38	1.08	0.02	0.23
R9710848	97-179	253.4	253.5	0.1	2	32	25	0.6	<2	63	<1	1	2	0.76	3	14	<5	<5	<2	<2	<2	27	11	86	341	0.12	<.01	0.23	1.83	0.01	0.28
R9710849	97-179	270.7	270.8	0.1	6	5	28	<.4	2	109	<1	3	6	1.41	2	27	<5	<5	2	<2	<2	33	10	29	484	0.17	0.02	0.54	1.52	0.01	0.47
R9710850	97-179	285.3	285.4	0.1	6	16	15	<.4	<2	146	<1	2	6	0.82	<2	59	<5	<5	<2	<2	<2	37	8	23	259	0.1	<.01	0.37	1.19	0.02	0.27
R9710851	97-179	293.1	293.2	0.1	3	<4	27	<.4	<2	85	<1	3	5	2.02	3	24	<5	<5	5	<2	<2	24	7	60	360	0.44	0.04	0.82	1.09	0.02	0.66
R9710852	97-179	301.4	301.5	0.1	13	4	49	<.4	<2	79	<1	3	5	1.94	2	30	<5	<5	3	<2	<2	25	8	58	680	0.37	0.01	0.62	1.37	0.01	0.52
R9710853	97-179	309.0	309.1	0.1	7	56	44	<.4	<2	86	<1	3	4	1.92	2	26	<5	<5	4	<2	<2	24	10	56	260	0.28	0.02	0.75	1.35	0.02	0.57
R9710854	97-179	327.6	327.7	0.1	3	11	45	<.4	<2	104	<1	2	4	1.95	<2	29	<5	<5	5	<2	<2	23	8	52	355	0.25	0.08	0.9	1.33	0.02	0.74
R9710855	97-179	335.9	336.0	0.1	15	8	38	0.6	11	116	<1	19	36	3.64	2	64	<5	<5	58	<2	<2	95	10	3	1132	1.18	0.13	1.98	5.43	0.02	1.63
R9710856	97-179	347.8	347.9	0.1	18	8	84	<.4	<2	213	<1	21	15	5.45	2	21	<5	<5	136	<2	<2	92	14	9	894	1.22	0.28	2.68	4.77	0.03	2.24
R9710857	97-179	366.0	366.1	0.1	5	<4	64	<.4	<2	104	<1	5	6	2.53	2	30	<5	<5	17	<2	<2	15	11	59	168	0.4	0.14	1.19	0.71	0.03	0.92
R9710858	97-179	389.3	389.4	0.1	22	9	80	<.4	<2	221	<1	26	22	5.55	3	41	<5	<5	131	<2	<2	113	14	<2	716	1.47	0.41	2.78	4.31	0.02	2.47
R9710859	97-179	397.9	398.0	0.1	<1	15	43	<.4	<2	96	<1	3	4	1.44	<2	24	<5	<5	6	<2	<2	14	6	40	197	0.3	0.09	0.82	0.68	0.02	0.7
R9710860	97-179	430.4	430.5	0.1	2	<4	7	<.4	<2	33	<1	1	3	1.09	<2	28	<5	<5	3	<2	<2	20	4	9	284	0.11	0.01	0.39	0.8	0.02	0.37
R9710861	97-179	452.8	452.9	0.1	<1	<4	5	<.4	<2	47	<1	1	2	0.55	<2	29	<5	<5	2	<2	<2	24	15	20	240	0.13	0.02	0.49	1.22	0.01	0.42
R9710862	97-179	471.7	471.8	0.1	5	<4	27	<.4	<2	50	<1	4	5	1.77	<2	24	<5	<5	6	<2	<2	16	19	67	149	0.6	0.05	1	0.5	0.02	0.79
R9710863	97-179	483.4	483.5	0.1	<1	4	8	<.4	<2	33	<1	<1	1	0.59	2	42	<5	<5	<2	<2	<2	7	6	40	62	0.16	0.01	0.44	0.42	0.02	0.33
R9710864	97-179	485.8	485.9	0.1	<1	<4	98	<.4	<2	137	<1	22	16	5.8	3	58	<5	<5	158	<2	<2	103	8	10	854	1.54	0.39	3.2	3.75	0.03	2.73
R9710865	97-179	496.3	496.4	0.1	<1	7	40	<.4	<2	71	<1	4	6	2.24	12	44	<5	<5	7	<2	<2	8	7	56	174	0.59	0.1	1.08	0.29	0.02	0.8
R9718960	97-181	20.1	20.2	0.1	15	19	70	<.4	13	61	<1	2	<1	1.08	2	34	<5	<5	<2	<2	<2	2	2	14	7	0.02	<.01	0.18	0.07	0.02	0.11
R9718961	97-181	26.1	26.2	0.1	18	51	34	0.5	22	38	<1	2	<1	2	3	32	<5	<5	<2	<2	<2	27	4	41	550	0.62	<.01	0.22	1.43	0.01	0.15
R9718962	97-181	32.5	32.6	0.1	9	35	58	<.4	25	34	<1	5	<1	2.24	2	24	<5	<5	2	<2	<2	29	9	61	413	0.7	<.01	0.28	1.6	0.01	0.16
R9718963	97-181	38.5	38.6	0.1	6	33	50	0.4	5	43	<1	3	<1	1.15	3	43	<5	<5	<2	<2	<2	35	9	69	323	0.63	<.01	0.23	1.5	0.01	0.16
R9718964	97-181	45.0	45.1	0.1	8	50	78	<.4	18	31	<1	5	<1	1.75	2	39	<5	<5	<2	<2	<2	33	6	36	290	0.53	<.01	0.2	1.25	0.01	0.14
R9718965	97-181	51.0	51.1	0.1	7	22	23	0.6	7	53	<1	3	<1	0.87	2	27	<5	<5	<2	<2	<2	22	8	43	208	0.32	<.01	0.35	0.85	0.01	0.26
R9718966	97-181	53.2	53.3	0.1	7	26	60	<.4	22	69	<1	4	<1	1.98	3	38	<5	<5	3	<2	<2	36	16	80	471	0.53	0.01	0.63	1.47	0.01	0.35
R9718967	97-181	57.4	57.5	0.1	31	<4	14	0.4	<2	60	<1	1	<1	1.7	2	19	<5	<5	<2	<2	<2	16	5	42	304	0.1	<.01	0.21	0.57	0.01	0.19
R9718968	97-181	64.0	64.1	0.1	6	54	9	<.4	29	38	<1	5	<1	2.49	4	41	<5	<5	<2	<2	<2	16	5	11	79	0.13	<.01	0.23	0.34	0.01	0.19
R9718969	97-181	69.1	69.2	0.1	73	9	106	<.4	<2	67	<1	29	<1	6.83	<2	11	<5	<5	67	<2	<2	185	14	8	1260	0.95	0.15	1.32	4.26	0.01	0.98
R9718970	97-181	70.4	70.5	0.1	17	6	80	<.4	<2	183	<1	23	1	7.05	<2	15	<5	<5	99	<2	<2	195	18	7	1172	1.44	0.29	2.27	4.76	0.02	1.74
R9718971	97-181	74.9	75.0	0.1	4	22	24	0.8	6	58	<1	2	<1	0.87	2	41	<5	<5	<2	<2	<2	39	9	6	180	0.02	<.01	0.2	1.05	0.01	0.16
R9718972	97-181	78.0	78.1	0.1	7	21	12	<.4	5	55	<1	3	<1	1.57	2	29	<5	<5	<2	<2	<2	41	7	63	398	0.46	<.01	0.26	1.38	0.01	0.2
R9718973	97-181	84.5	84.6	0.1	17	4	62	<.4	<2	679	<1	18	12	3.99	<2	21	<5	<5	43	<2	<2	145	23	20	1058	0.64	0.13	1.26	3.68	0.02	0.86
R9718981	97-181	89.6	89.7	0.1	2	<4	4	<.4	<2	126	<1	<1	<1	0.29	2	51	<5	<5	<2	<2	<2	45	6	15	244	0.03	<.01	0.29	0.7	0.02	0.26
R9718980	97-181	92.0	92.1	0.1	8	33	25	<.4	5	80	<1	6	<1	1.51	<2	24	<5	<5	<2	<2	<2	37	7	49	291	0.18	<.01	0.31	0.79	0.01	0.28
R9718974	97-181	95.9	96.0	0.1	6	21	11	<.4	6	54	<1	4	<1	1.57	3	27	<5	<5	2	<2	<2	42	7	67	398	0.45	<.01	0.24	1.38	0.01	0.19
R9718975	97-181	101.2	101.3	0.1	3	116	91	0.7	19	77	<1	16	5	1.16	2	42	<5	<5	3	<2	<2	12	5	39	96	0.07	<.01	0.26	0.4	0.01	0.17
R9718976	97-181	107.7	107.8	0.1	29	19	195	<.4	<2	72	<1	5	<1	4.64	3	36	<5	<5	7	<2	<2	8	8	83	650	2.01	<.01	2.72	0.27	0.01	0.14
R9718977	97-181	111.8	111.9	0.1	7	8	123	<.4	<2	94	<1	7	<1	6.01	2	35	<5	<5	6	<2	<2	18	14	90	1096	1.76	<.01	2.57	0.74	0.01	0.2
R9718978	97-181	115.9	116.0	0.1	6	51	29	<.4	10	112	<1	2	<1	0.65	<2	46	<5	<5	<2	<2	<2	4	3	39	11	0.02	<.01	0.25	0.11	0.02	0.17
R9718979	97-181	120.2	120.3	0.1	11	118	153	<.4	7	115	<1	5	<1	2.29	2	47	<5	<5	2	<2	<2	23	8	64	720	1.05	<.01	1	0.86	0.01	0.24

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R9718982	97-181	124.0	124.1	0.1	9	<4	53	<.4	<2	137	<1	3	<1	2.76	2	30	<5	<5	3	<2	<2	16	8	93	666	1.23	<.01	1.62	0.58	0.01	0.21
R9718983	97-181	129.9	130.0	0.1	3	7	72	<.4	<2	151	<1	7	<1	4.89	3	36	<5	<5	6	<2	<2	14	8	93	588	2.27	0.01	2.85	0.36	0.01	0.29
R9718940	97-182	8.2	8.3	0.1	62	18	275	0.5	11	33	1	5	<1	2.08	<2	7	<5	<5	2	<2	<2	31	10	66	686	0.65	<.01	0.42	1.48	0.01	0.07
R9718941	97-182	20.4	20.5	0.1	26	516	89	3.7	<2	197	<1	4	<1	2.58	2	5	7	<5	6	<2	<2	20	11	49	552	0.46	0.04	0.99	0.72	0.01	0.62
R9718942	97-182	26.6	26.7	0.1	194	102	392	<.4	5	84	1	23	16	7.4	2	8	<5	<5	49	<2	<2	83	16	8	2509	1.03	0.04	0.99	3.83	0.01	0.67
R9718943	97-182	32.5	32.6	0.1	11	35	54	0.8	<2	80	<1	3	<1	2.41	2	9	<5	<5	3	<2	<2	66	8	20	1433	1.14	<.01	0.6	2.68	0.01	0.12
R9718944	97-182	35.5	35.6	0.1	296	18	439	<.4	<2	31	<1	42	4	E10.52	4	6	<5	<5	7	<2	<2	8	4	19	754	1.89	0.02	2.5	0.4	0.01	0.34
R9718945	97-182	52.0	52.1	0.1	198	2844	E11910	7.8	<2	34	105	11	<1	5.57	4	36	10	<5	5	<2	<2	6	2	7	661	2.38	0.01	3	0.42	0.01	0.14
R9718946	97-182	58.0	58.1	0.1	18	15	275	0.5	<2	44	<1	3	<1	2.93	3	32	<5	<5	3	<2	<2	5	2	6	508	1.44	0.01	1.73	0.33	0.01	0.19
R9718947	97-182	64.0	64.1	0.1	135	77	542	0.5	<2	70	<1	13	<1	9.18	2	35	<5	<5	7	<2	<2	10	2	<2	997	2.9	0.01	4.38	0.55	0.01	0.23
R9718948	97-182	70.3	70.4	0.1	2833	1296	3989	8.7	<2	64	20	47	4	8.86	4	16	15	<5	10	2	<2	16	2	<2	767	1.71	0.03	2.41	0.57	0.01	0.84
R9718949	97-182	76.0	76.1	0.1	52	79	256	1.7	<2	239	1	3	<1	2.43	3	25	<5	<5	3	<2	<2	78	6	8	728	0.43	0.01	0.77	1.32	0.01	0.44
R9718950	97-182	82.5	82.6	0.1	94	40	63	0.9	5	172	<1	3	<1	1.64	2	31	<5	<5	<2	<2	<2	61	5	5	868	0.31	<.01	0.2	1.27	0.01	0.19
R9718951	97-182	88.4	88.5	0.1	57	85	359	1.1	<2	305	<1	6	<1	3.3	4	29	<5	<5	5	<2	<2	30	13	65	308	1.48	0.04	1.98	0.58	0.01	0.45
R9718952	97-182	94.4	94.5	0.1	61	8	348	<.4	<2	770	<1	10	<1	3.55	3	35	<5	<5	16	<2	<2	28	9	68	264	1.65	0.22	2.44	0.35	0.03	1.9
R9718953	97-182	100.8	100.9	0.1	30	6	116	<.4	<2	273	<1	11	<1	2.28	2	30	<5	<5	4	<2	<2	44	10	73	475	0.8	0.02	1.03	1.83	0.01	0.37
R9718954	97-182	106.4	106.5	0.1	9	15	193	<.4	<2	233	<1	16	<1	4.01	4	28	<5	<5	8	<2	<2	42	15	76	492	1.3	0.02	1.95	1.38	0.02	0.25
R9718955	97-182	111.7	111.8	0.1	2	6	50	<.4	<2	189	<1	11	<1	2.65	3	27	<5	<5	5	<2	<2	30	16	100	471	0.85	<.01	1.28	1.02	0.02	0.16
R9718956	97-182	117.7	117.8	0.1	331	196	1007	1.1	<2	166	3	13	<1	3.76	<2	22	<5	<5	6	<2	<2	18	15	48	373	1.25	0.01	1.78	0.84	0.02	0.09
R9718957	97-182	124.0	124.1	0.1	10	<4	131	<.4	<2	60	<1	3	<1	3.43	<2	25	<5	<5	8	<2	<2	9	14	55	210	1.29	<.01	2.01	0.23	0.02	0.05
R9718958	97-182	130.0	130.1	0.1	3	20	57	<.4	<2	80	<1	2	<1	2.87	<2	25	<5	<5	6	<2	<2	11	15	57	344	1.22	<.01	1.73	0.53	0.02	0.07
R9718959	97-182	134.9	135.0	0.1	27	10	62	<.4	15	88	<1	4	<1	2.62	2	19	<5	<5	2	<2	<2	39	12	43	861	0.71	<.01	0.32	2.31	0.01	0.18
R9718984	97-186	13.1	13.2	0.1	7	10	39	<.4	9	124	<1	2	<1	0.72	<2	54	<5	<5	<2	<2	<2	35	19	52	76	0.04	<.01	0.37	0.73	0.02	0.31
R9718985	97-186	15.8	15.9	0.1	6	7	19	<.4	7	80	<1	2	<1	0.84	<2	38	<5	<5	<2	<2	<2	29	20	43	65	0.02	<.01	0.24	0.72	0.03	0.2
R9718986	97-186	21.0	21.1	0.1	5	35	45	<.4	5	150	<1	2	<1	0.91	2	35	<5	<5	<2	<2	<2	13	9	46	133	<.01	<.01	0.21	0.54	0.01	0.22
R9718987	97-186	26.7	26.8	0.1	7	116	206	0.8	22	126	<1	2	<1	1.19	4	42	<5	<5	<2	<2	<2	11	4	9	28	0.01	<.01	0.19	0.15	0.01	0.2
R9718988	97-186	32.5	32.6	0.1	29	50	14	0.7	<2	62	<1	1	<1	0.67	2	35	<5	<5	<2	<2	<2	18	3	33	419	0.46	<.01	0.23	0.97	0.01	0.16
R9718989	97-186	35.8	35.9	0.1	1200	1740	E14050	4.4	137	17	76	4	21	7.57	7	56	<5	19	20	<2	<2	71	2	<2	726	0.63	<.01	0.24	3.1	0.01	0.02
R9718990	97-186	41.9	42.0	0.1	10	32	103	0.5	17	67	<1	5	<1	2.19	4	31	<5	<5	2	<2	<2	34	7	48	556	0.86	<.01	0.33	2.08	0.02	0.15
R9718991	97-186	46.4	46.5	0.1	15	11	91	1.2	6	39	<1	3	<1	1.99	2	35	<5	<5	<2	<2	<2	28	7	39	793	0.68	<.01	0.36	1.81	0.02	0.18
R9718992	97-186	48.9	49.0	0.1	12	4	45	0.5	10	48	<1	4	<1	1.9	2	21	<5	<5	2	<2	2	23	8	72	311	0.54	<.01	0.58	1.09	0.02	0.19
R9718993	97-187	7.9	8.0	0.1	11	10	196	0.8	20	62	<1	5	1	2.1	4	38	<5	<5	2	<2	<2	33	10	76	507	0.5	<.01	0.32	2	0.02	0.22
R9718994	97-187	16.4	16.5	0.1	6	17	220	<.4	11	54	<1	4	<1	1.11	4	23	<5	<5	<2	<2	<2	28	8	88	245	0.45	<.01	0.3	1.32	0.01	0.2
R9718995	97-187	18.4	18.5	0.1	5	18	10	<.4	20	49	<1	2	<1	1.03	4	37	<5	<5	<2	<2	2	20	6	74	176	0.13	<.01	0.3	1.08	0.01	0.18
R9718996	97-187	20.9	21.0	0.1	3	5	94	<.4	<2	66	<1	1	<1	0.82	3	31	<5	<5	2	<2	<2	22	10	94	315	0.52	<.01	0.67	1.41	0.02	0.37
R9718997	97-187	26.5	26.6	0.1	16	4	38	0.4	<2	64	<1	8	1	2.97	3	37	<5	<5	5	<2	<2	36	10	54	940	0.72	0.01	0.9	2.38	0.02	0.5
R9718998	97-187	32.7	32.8	0.1	7	<4	48	<.4	<2	67	<1	2	<1	1.64	2	25	<5	<5	3	<2	<2	17	18	83	464	0.38	0.02	0.77	1.01	0.02	0.57
R9718999	97-187	36.8	36.9	0.1	16	6	53	0.6	<2	66	<1	4	<1	2.49	3	28	<5	<5	2	<2	<2	22	12	47	605	0.27	<.01	0.31	0.69	0.01	0.25
R9719000	97-187	39.7	39.8	0.1	6	5	47	<.4	<2	70	<1	3	<1	2.6	4	23	<5	<5	3	<2	<2	41	11	41	1002	0.81	0.01	0.89	2.31	0.01	0.58
R9719001	97-187	45.5	45.6	0.1	10	7	72	<.4	<2	56	<1	6	<1	3.15	3	19	<5	<5	5	<2	<2	15	7	31	960	0.6	0.02	1	0.79	0.02	0.44
R9719002	97-187	51.8	51.9	0.1	4	22	49	0.6	<2	61	<1	4	<1	1.85	4	35	<5	<5	4	<2	2	31	10	37	821	0.6	<.01	0.69	1.83	0.01	0.34
R9719003	97-187	56.6	56.7	0.1	7	117	174	<.4	45	51	<1	6	1	2.59	3	25	<5	<5	2	<2	<2	34	7	20	235	0.37	<.01	0.31	1.03	0.01	0.23
R9719004	97-187	59.3	59.4	0.1	4	5	2	<.4	15	40	<1	5	<1	0.75	2	33	<5	<5	<2	<2	<2	9	5	12	28	0.01	<.01	0.22	0.29	0.03	0.14
R9719005	97-187	62.9	63.0	0.1	48	33	6	1.2	126	28	<1	12	12	6.28	2	37	<5	<5	2	<2	2	91	8	<2	325	0.06	<.01	0.18	2.08	0.01	0.17
R9719006	97-187	64.6	64.7	0.1	4	8	<1	0.6	3	59	<1	2	<1	1.05	2	41	<5	<5	<2	<2	<2	118	10	2	405	0.07	<.01	0.22	2.16	0.01	0.2

LAB NO	DDH	DRILL INTERVAL		INTERVAL	SiO2	TiO2	Al2O3	Fe2O3	FeO	MnO	MgO	CaO	Na2O	K2O	P2O5	Ba	LOI	TOTAL
		from	to		%	%	%	%	%	%	%	%	%	%	%	%	%	%
R9710636	97-172	22.4	22.5	0.1	62.58	0.67	15.76	4.53		0.1	1.75	2.66	0.75	4.98	0.2	0.08	4.46	98.52
R9710637	97-172	42.8	42.9	0.1	72.9	0.28	14.42	2.21		0.01	1.3	0.43	0.28	5.07	0.11	0.22	2.53	99.76
R9710638	97-172	52.6	52.7	0.1	44.93	2.15	12.56	10.44		0.15	5.76	6.71	2.93	1.57	0.3	0.06	11.56	99.12
R9710639	97-172	54.5	54.6	0.1	66.44	0.66	15.51	4.17		0.05	0.97	1.59	2.18	4.38	0.18	0.18	3.03	99.34
R9710640	97-172	61.9	62.0	0.1	69.33	0.56	13.8	3.41		0.05	1.25	1.92	2.14	3.86	0.17	0.16	3.15	99.8
R9710641	97-172	70.6	70.7	0.1	64.94	0.62	14.85	4.34		0.09	1.16	2.19	3.51	3.25	0.18	0.16	3.61	98.9
R9710642	97-172	72.3	72.4	0.1	51.15	2.19	13.13	10.48		0.1	3.19	5.38	1.63	2.92	0.27	0.12	8.81	99.37
R9710643	97-172	76.3	76.4	0.1	60.16	0.64	15.8	3.81		0.11	1.66	3.65	3.95	3.09	0.2	0.18	5.98	99.23
R9710644	97-172	81.1	81.2	0.1	45.58	0.89	19.46	10.46		0.17	3.57	4.19	0.43	6.13	0.25	0.23	7.69	99.05
R9710645	97-172	83.8	83.9	0.1	63.15	0.61	14.75	4.61		0.09	1.86	3.08	0.77	4.53	0.18	0.17	5.73	99.53
R9710646	97-172	85.7	85.8	0.1	43.54	2.49	12.68	11.56		0.12	4.71	7.42	3.15	1.54	0.34	0.06	11.14	98.75
R9710647	97-172	92.5	92.6	0.1	39.81	1.34	12.85	9.47		0.15	5.67	12.06	0.18	4.96	0.14	0.17	11.77	98.57
R9710648	97-172	97.0	97.1	0.1	66.36	0.6	14.3	5.26		0.05	1.44	1.79	1.99	3.9	0.17	0.18	3.17	99.21
R9710649	97-172	108.5	108.6	0.1	66.61	0.57	14.14	4.11		0.07	1.35	2.23	0.28	4.57	0.15	0.31	5.05	99.44
R9710650	97-172	127.5	127.6	0.1	67.22	0.51	13.17	4.01		0.09	1.37	2.25	0.18	5.13	0.11	0.47	4.53	99.04
R9710651	97-172	139.9	140.0	0.1	65.51	0.55	14.47	4.21		0.07	1.32	2.41	0.6	4.65	0.15	0.28	5.11	99.33
R9710652	97-172	151.4	151.5	0.1	65.51	0.66	15.48	4.01		0.03	1.29	1.92	1.47	4.03	0.18	0.12	4.84	99.54
R9710653	97-172	162.9	163.0	0.1	57.22	0.69	16.4	5.55		0.03	2.25	3.42	0.34	5.07	0.2	0.1	6.69	97.96
R9710654	97-172	171.8	171.9	0.1	72.9	0.3	13.13	2		0.01	1.37	1.28	0.18	3.67	0.07	0.05	4.46	99.42
R9710655	97-172	183.8	183.9	0.1	73.83	0.28	13.38	2.06		0.02	0.95	0.89	0.15	3.89	0.07	0.05	3.74	99.31
R9710656	97-172	197.3	197.4	0.1	77.36	0.27	13.39	1.19		0.01	0.58	0.18	0.2	3.98	0.07	0.06	2.4	99.69
R9710657	97-172	207.2	207.3	0.1	73.72	0.28	13.03	3.65		0.01	0.67	0.15	0.1	3.97	0.05	0.04	3.69	99.36
R9710658	97-172	209.3	209.4	0.1	73.83	0.23	14.22	2.48		0.01	0.76	0.1	0.1	4.3	0.02	0.05	3.28	99.38
R9710659	97-172	222.3	222.4	0.1	69.83	0.31	12.94	1.88		0.05	1.98	2.46	0.14	4.05	0.07	0.08	5.51	99.3
R9710660	97-172	234.2	234.3	0.1	60.93	0.62	15.02	4.73		0.09	1.77	4.28	1.87	3.56	0.18	0.15	6.09	99.29
R9710661	97-172	245.8	245.9	0.1	64.75	0.56	13.65	7.9		0.07	2.13	1.3	3.86	1.53	0.15	0.07	3.35	99.32
R9710662	97-172	254.2	254.3	0.1	63.68	0.62	15.31	5.03		0.1	1.9	2.09	1.82	4.09	0.18	0.15	4.26	99.23
R9710663	97-172	258.7	258.8	0.1	61.75	0.72	16.79	5.03		0.09	2.01	2.35	1.91	4.8	0.21	0.15	3.79	99.6
R9710664	97-172	264.2	264.3	0.1	70.45	0.27	12.59	2.79		0.07	1.42	2.44	1.61	3.36	0.12	0.08	3.86	99.06
R9710665	97-172	274.4	274.5	0.1	71.83	0.28	13.35	2.27		0.05	1.16	1.96	1.29	3.86	0.14	0.06	3.2	99.45
R9710666	97-172	294.9	295.0	0.1	70.77	0.28	13.03	2.08		0.05	1.32	2.07	1.26	3.75	0.11	0.06	4.34	99.12
R9710667	97-172	319.0	319.1	0.1	68.73	0.46	13.56	3.26		0.05	1.76	1.88	1.98	3.14	0.11	0.29	4.53	99.75
R9710668	97-172	343.3	343.4	0.1	69.91	0.46	13.44	1.91		0.05	1.05	2.58	1.91	3.75	0.11	0.31	3.95	99.43
R9710669	97-173	9.0	9.1	0.1	72.11	0.87	12.82	5.63		0.01	1.07	0.28	0.12	3.68	0.18	0.2	2.8	99.77
R9710670	97-173	42.8	42.9	0.1	62.38	0.68	15.82	5.55		0.07	1.29	1.82	0.05	4.23	0.2	0.14	6.9	99.13
R9710671	97-173	53.6	53.7	0.1	62.02	0.61	14.22	5.28		0.1	1.86	2.81	0.09	4.78	0.18	0.1	7	99.05
R9710672	97-173	58.0	58.1	0.1	53.06	1.67	12.78	9.82		0.12	2.79	6.13	0.23	4.36	0.28	0.11	8.02	99.37
R9710673	97-173	70.3	70.4	0.1	63.38	0.62	14.92	4.76		0.05	0.93	2.86	1.26	4.51	0.18	0.1	5.53	99.1
R9710674	97-173	80.8	80.9	0.1	64.18	0.21	16.69	2.15		0.01	0.5	0.69	0.49	12.88	0.02	0.12	1.85	99.79
R9710675	97-173	87.2	87.3	0.1	66.69	0.23	16.53	1.07		0.01	0.47	0.38	0.5	12.67	0.02	0.12	1.12	99.81
R9710676	97-173	90.4	90.5	0.1	64.19	0.52	16	2.73		0.07	1.5	2.66	0.1	6.65	0.15	0.08	4.65	99.3
R9710677	97-173	95.8	95.9	0.1	75.19	0.3	11.69	1.55		0.05	0.28	1.84	3.71	2.03	0.03	0.05	2.46	99.18
R9710678	97-173	105.3	105.4	0.1	41.66	1.21	12.52	8.76		0.17	4.75	9.39	0.1	5.23	0.12	0.09	14.96	98.96
R9710679	97-173	115.7	115.8	0.1	43.86	2.69	14.81	11.81		0.1	6.92	4.4	0.15	7.13	0.41	0.19	6.86	99.33
R9710680	97-173	121.2	121.3	0.1	74.01	0.28	13.06	1.75		0.01	0.76	0.34	0.1	7.03	0.01	0.25	1.84	99.44
R9710681	97-173	138.0	138.1	0.1	65.43	0.51	15.15	3.97		0.07	1.28	2.03	0.11	6.26	0.15	0.28	4.07	99.31
R9710682	97-173	146.6	146.7	0.1	62.36	0.56	14.27	3.66		0.14	1.62	4.67	0.09	5.63	0.17	0.22	6.03	99.42
R9710683	97-173	160.8	160.9	0.1	62.36	0.68	16.95	3.08		0.07	1.74	2.4	0.1	6.86	0.2	0.16	4.57	99.17
R9710684	97-173	181.6	181.7	0.1	65.79	0.66	15.22	2.68		0.05	1.75	2.17	0.14	5.69	0.18	0.16	4.65	99.14

R9710685	97-173	226.7	226.8	0.1	67.19	0.18	6.63	1.12		0.05	0.57	10.72	0.02	2.22	0.07	0.04	9.73	98.54
R9710686	97-173	251.4	251.5	0.1	57.59	0.49	12.26	6.63		0.12	2.65	5	0.05	4.25	0.25	0.08	8.55	97.92
R9710687	97-173	260.6	260.7	0.1	75.05	0.21	13.1	1.86		0.01	0.28	0.31	0.2	6.34	0.01	0.21	2.26	99.84
R9710688	97-173	269.5	269.6	0.1	74.23	0.25	11.98	4.05		0.01	1.05	0.1	0.18	4.46	0.01	0.11	3.33	99.76
R9710689	97-173	273.5	273.6	0.1	70.55	0.28	13.84	2.25		0.01	1.52	1.8	0.18	5.09	0.01	0.1	4.09	99.72
R9710690	97-173	280.5	280.6	0.1	75.69	0.23	13	2.24		0.01	0.81	0.1	0.18	4.36	0.01	0.13	2.96	99.72
R9710691	97-173	288.2	288.3	0.1	44.11	1.27	14.61	9.72		0.14	7.53	8.06	3.2	0.34	0.11	0.3	9.21	98.6
R9710692	97-174	12.9	13.0	0.1	52.18	2	13.89	11.21		0.12	4.09	4.98	4.05	0.21	0.36	0.02	6.15	99.26
R9710693	97-174	17.3	17.4	0.1	69.47	1.84	11.86	4.88		0.01	1.07	1.33	1.63	2.93	0.64	0.36	3.51	99.53
R9710694	97-174	41.2	41.3	0.1	53.27	0.46	11.39	3.52		0.18	1.22	12.14	0.95	3.36	0.15	0.1	12.3	99.04
R9710695	97-174	52.0	52.1	0.1	71.19	0.49	14.22	2.63		0.01	1.26	0.8	2.09	4.13	0.11	0.17	2.59	99.69
R9710696	97-174	64.9	65.0	0.1	69.3	0.28	13.15	1.94		0.03	1.24	3.17	0.52	5.07	0.1	0.15	4.65	99.6
R9710697	97-174	69.5	69.6	0.1	70.2	0.54	14.27	2.04		0.02	1.24	1.75	0.93	4.96	0.15	0.15	3.55	99.8
R9710698	97-174	80.4	80.5	0.1	69.65	0.62	15.3	2.8		0.01	0.97	0.94	1.57	4.61	0.15	0.11	3.17	99.9
R9710699	97-174	93.8	93.9	0.1	66.04	0.63	15.11	4.5		0.07	1.55	1.7	0.18	5.42	0.2	0.1	4.28	99.78
R9710700	97-174	97.1	97.2	0.1	60.56	0.66	15.48	5.36		0.11	1.87	2.89	0.23	5.53	0.2	0.19	6.11	99.19
R9710701	97-174	117.8	117.9	0.1	65.04	0.55	13.42	4.23		0.17	1.88	3.13	0.23	4.84	0.15	0.11	5.46	99.21
R9710702	97-174	123.0	123.1	0.1	46.11	2.23	13.07	11.38		0.15	4.13	8.35	3.29	0.69	0.28	0.06	8.5	98.24
R9710703	97-174	127.4	127.5	0.1	63.06	0.62	14.72	3.92		0.07	1.23	4	1.87	4.44	0.18	0.15	5.01	99.27
R9710704	97-174	133.5	133.6	0.1	49.95	2.67	14.18	11.64		0.11	3.92	4.86	3.29	1.59	0.37	0.06	6.69	99.33
R9710705	97-174	145.1	145.2	0.1	64.26	0.62	14.47	4.84		0.1	1.9	3.53	0.27	4.92	0.18	0.07	4.69	99.85
R9710706	97-174	156.7	156.8	0.1	64.83	0.51	15.59	4.44		0.09	1.69	1.65	0.28	5.19	0.15	0.11	4.94	99.47
R9710707	97-174	163.5	163.6	0.1	44.7	2.65	13.92	12.35		0.15	4.57	5.28	2.4	3.32	0.4	0.14	9.75	99.63
R9710708	97-174	168.6	168.7	0.1	62.88	0.68	16.42	4.92		0.09	1.34	2.03	1.38	4.8	0.18	0.22	4.9	99.84
R9710709	97-174	179.7	179.8	0.1	66.19	0.58	14.4	4.94		0.05	1.09	2.4	0.7	4.3	0.15	0.18	4.8	99.78
R9710710	97-174	187.4	187.5	0.1	67.25	0.63	15.72	3.27		0.05	1	1.88	0.95	4.46	0.18	0.17	4.34	99.9
R9710711	97-174	204.3	204.4	0.1	67.33	0.5	12.69	6.76		0.1	1.83	1.79	0.95	3.21	0.15	0.15	3.8	99.26
R9710712	97-174	214.2	214.3	0.1	59.29	0.68	15.65	4.9		0.09	2.42	4.05	0.92	3.75	0.2	0.15	6.76	98.86
R9710713	97-174	221.2	221.3	0.1	64.41	0.57	13.4	4.51		0.1	2.22	4.01	0.47	3.54	0.18	0.59	4.88	98.88
R9710714	97-174	230.3	230.4	0.1	54.06	1.15	22.09	5.23		0.02	2.46	1.82	1.08	5.76	0.28	0.13	5.15	99.23
R9710715	97-174	240.2	240.3	0.1	69.65	0.28	13.38	2.06		0.07	2.06	2.45	0.4	3.2	0.09	0.16	5.75	99.55
R9710716	97-174	246.0	246.1	0.1	43.86	0.57	29.68	2.89		0.05	4.3	1.63	0.76	8.44	0.2	0.08	6.67	99.13
R9710717	97-174	255.5	255.6	0.1	18.53	0.18	12.84	4.71		0.4	14.9	16.34	0.28	2.44	0.05	0.07	28.52	99.26
R9710718	97-174	264.8	264.9	0.1	65.9	0.23	14.27	5.36		0.09	1.88	1.67	0.25	4.38	0.02	0.09	5.4	99.54
R9710719	97-174	295.3	295.4	0.1	64.31	0.74	16.38	5.32		0.05	1.71	1.28	0.34	5.01	0.2	0.11	4.26	99.71
R9710720	97-174	312.0	312.1	0.1	62.18	0.68	14.57	7.11		0.1	2.23	2.81	0.18	4.59	0.18	0.11	4.51	99.25
R9710721	97-174	330.9	331.0	0.1	64.7	0.61	14.06	4.55		0.07	1.89	3.41	0.25	4.3	0.18	0.11	4.98	99.11
R9710722	97-174	341.2	341.3	0.1	63.27	0.54	12.96	3.97		0.1	2.03	4.57	0.31	3.83	0.17	0.13	7.9	99.78
R9710723	97-174	349.8	349.9	0.1	63.59	0.61	14.02	3.79		0.1	1.95	3.66	0.31	4.4	0.18	0.13	6.98	99.72
R9710724	97-174	356.0	356.1	0.1	61.49	0.56	14.09	5.38		0.07	2.47	4.55	0.23	4.3	0.18	0.12	6.07	99.51
R9710725	97-174	364.1	364.2	0.1	60	0.62	14.52	6.53		0.09	2	3.31	1.9	3.6	0.18	0.16	6.11	99.02
R9710726	97-174	370.5	370.6	0.1	69.68	0.54	13.69	4.88		0.05	0.93	1.22	2.91	2.67	0.07	0.14	2.84	99.62
R9710727	97-174	375.8	375.9	0.1	61.86	0.5	12.34	5.11		0.15	2.2	5.67	2.13	2.7	0.17	0.1	6.55	99.48
R9710728	97-175	12.4	12.5	0.1	45.61	2.75	15.94	13.1		0.18	4.51	5.3	0.31	4.23	0.33	0.43	6.34	99.03
R9710729	97-175	20.0	20.1	0.1	54.52	1.79	14.02	8.64		0.14	2.5	5.71	0.3	4.01	0.38	0.4	6.48	98.89
R9710730	97-175	36.9	37.0	0.1	41.95	0.99	19.1	8.31		0.2	5.59	5.36	1.27	4.69	0.12	1.01	10.01	98.6
R9710731	97-175	89.8	89.9	0.1	48.84	2.5	12.3	11.89		0.15	3.67	7.32	1.58	1.19	0.36	0.06	8.11	97.97
R9710732	97-175	131.5	131.6	0.1	67.63	0.83	14.02	5.15		0.02	1.3	1.77	0.09	2.25	0.18	0.16	6.44	99.84
R9710733	97-175	143.3	143.4	0.1	68.66	0.5	14.42	3.71		0.1	0.95	1.69	1.69	4.07	0.14	0.16	3.81	99.9
R9710734	97-175	149.2	149.3	0.1	61.38	0.6	14.14	5.55		0.11	1.76	3.35	0.15	4.92	0.18	0.16	7.07	99.37
R9710735	97-175	172.9	173.0	0.1	61.63	0.68	16.13	5.32		0.09	1.61	2.19	0.1	5.92	0.21	0.13	5.57	99.58

R9710736	97-175	183.1	183.2	0.1	66.65	0.5	14.72	4.3		0.03	0.69	2.01	1.65	4.44	0.12	0.1	4.38	99.59
R9710737	97-175	196.6	196.7	0.1	64.18	0.62	15.35	5.28		0.09	1.44	2.25	0.11	6.19	0.2	0.09	4.09	99.89
R9710738	97-175	206.4	206.5	0.1	48.68	2.41	12.44	9.97		0.15	2.19	8.44	0.21	6.05	0.36	0.07	6.53	97.5
R9710739	97-175	216.6	216.7	0.1	69.02	0.47	14.23	4.61		0.05	0.97	1	0.1	5.73	0.14	0.09	3.08	99.49
R9710740	97-175	223.5	223.6	0.1	73.2	0.43	13.64	2.18		0.02	0.55	1.07	2.73	3.11	0.11	0.08	2.51	99.63
R9710741	97-175	231.6	231.7	0.1	53.18	2.33	12.9	10.68		0.14	2.15	5.71	0.33	5.4	0.36	0.29	6.44	99.91
R9710742	97-175	242.7	242.8	0.1	63.61	0.67	15.25	4.82		0.09	1.51	2.24	0.14	6.09	0.2	0.13	4.88	99.63
R9710743	97-175	247.0	247.1	0.1	41.79	2.35	13.68	12.97		0.18	6.26	7.13	0.3	6.78	0.33	0.08	7.11	98.96
R9710744	97-175	256.7	256.8	0.1	64.62	0.62	14.59	4.73		0.1	1.34	2.56	2.01	4.42	0.2	0.11	4.21	99.51
R9710745	97-175	267.8	267.9	0.1	68.94	0.47	13.88	3.93		0.02	0.97	1.48	0.99	5.28	0.07	0.17	3.39	99.59
R9710746	97-175	281.3	281.4	0.1	63.22	0.64	15.15	5.23		0.1	1.42	2.79	0.82	4.98	0.18	0.12	4.78	99.43
R9710747	97-175	289.2	289.3	0.1	37.86	1.75	10.23	9.72		0.21	4.46	12.09	0.25	2.83	0.3	0.1	19.81	99.61
R9710748	97-175	291.1	291.2	0.1	43.72	2.19	12.46	11.68		0.4	3.5	9.73	0.31	4.76	0.37	0.11	10.39	99.62
R9710749	97-175	298.1	298.2	0.1	75.48	0.61	13.48	1.6		0.01	0.66	0.37	0.15	4.76	0.17	0.11	2.23	99.63
R9710750	97-175	310.8	310.9	0.1	67.87	0.58	17.17	2.3		0.01	0.97	1.1	0.25	5.86	0.17	0.11	3.46	99.85
R9710751	97-175	327.0	327.1	0.1	71.83	0.46	13.85	2.41		0.02	0.87	1.69	0.1	4.55	0.14	0.08	3.36	99.36
R9710752	97-175	339.1	339.2	0.1	62.65	0.81	20.63	2.65		0.01	1.08	0.76	0.21	7.03	0.25	0.11	3.48	99.67
R9710753	97-175	346.7	346.8	0.1	74.66	0.23	14.1	1.83		0.01	0.83	0.2	0.11	4.86	0.01	0.07	2.92	99.83
R9710754	97-175	364.0	364.1	0.1	75.95	0.2	12.51	1.98		0.01	0.52	0.75	0.15	4.03	0.01	0.21	2.99	99.31
R9710755	97-175	380.3	380.4	0.1	75.19	0.23	13.1	1.76		0.01	0.28	1.37	1.42	3.59	0.01	0.08	2.85	99.89
R9710756	97-175	397.1	397.2	0.1	70.55	0.3	13.61	1.57		0.03	0.95	3.16	0.1	4.78	0.02	0.22	4.19	99.48
R9710757	97-175	405.6	405.7	0.1	73.02	0.23	14.39	2.13		0.01	1.07	0.21	0.1	4.94	0.01	0.38	2.75	99.24
R9710758	97-175	418.7	418.8	0.1	73.91	0.21	13.77	2.15		0.01	0.75	0.62	0.1	4.07	0.01	0.33	3.33	99.26
R9710759	97-175	431.2	431.3	0.1	69.76	0.43	15.6	2.25		0.01	0.75	1.53	0.1	4.17	0.14	0.23	4.48	99.45
R9710760	97-175	438.4	438.5	0.1	63.5	0.74	17.32	2.72		0.05	1.8	2.11	0.14	6.03	0.21	0.12	4.78	99.52
R9710761	97-175	447.2	447.3	0.1	48.7	2.58	12.31	10.31		0.17	2.9	7.94	0.2	4.03	0.43	0.1	9.28	98.95
R9710762	97-175	448.6	448.7	0.1	64.05	0.58	13.06	6.71		0.12	1.79	2.84	0.18	4.53	0.18	0.11	5	99.15
R9710763	97-175	460.7	460.8	0.1	63.18	0.66	15.02	4.34		0.14	1.72	2.53	0.18	4.98	0.21	0.1	6.09	99.15
R9710764	97-175	467.4	467.5	0.1	63.02	0.57	13.39	4.86		0.18	1.74	4.07	0.18	4.42	0.17	0.08	6.17	98.85
R9710765	97-175	480.0	480.1	0.1	65.54	0.55	13.18	4.9		0.18	1.49	3.63	0.18	3.94	0.17	0.09	5.86	99.71
R9710766	97-176	22.7	22.8	0.1	72.43	0.28	13.28	1.52		0.01	1.3	1.98	0.18	4.78	0.12	0.27	3.66	99.81
R9710767	97-176	29.7	29.8	0.1	55.04	1.86	14.1	10.47		0.07	3.77	2.7	1.62	5.09	0.31	0.37	4.17	99.57
R9710768	97-176	36.2	36.3	0.1	71.54	0.28	13.71	1.57		0.03	1.26	2.16	0.37	4.8	0.11	0.2	3.93	99.96
R9710769	97-176	46.3	46.4	0.1	69.56	0.34	13.94	2.31		0.05	1.64	1.63	0.14	5.19	0.14	0.17	4.11	99.22
R9710770	97-176	55.9	56.0	0.1	67.27	0.28	12.73	2.77		0.09	1.7	3.44	0.93	3.85	0.12	0.09	6.05	99.32
R9710771	97-176	63.4	63.5	0.1	61.95	0.62	14.98	4.51		0.11	1.86	2.91	0.2	5.21	0.18	0.09	6.34	98.96
R9710772	97-176	78.2	78.3	0.1	65.37	0.6	14.02	4.96		0.07	1.47	2.1	0.14	4.86	0.18	0.1	5.44	99.31
R9710773	97-176	90.3	90.4	0.1	66.48	0.63	15.18	4.78		0.05	1.54	1.45	1.51	4.07	0.2	0.12	3.89	99.9
R9710774	97-176	94.4	94.5	0.1	44.31	2.42	13.67	12.42		0.17	5.01	7.61	3.71	0.09	0.31	0.01	7.3	97.03
R9710775	97-176	102.5	102.6	0.1	63.88	0.58	14.3	5.17		0.1	1.67	2.33	1.7	4.34	0.17	0.12	4.65	99.01
R9710776	97-176	110.5	110.6	0.1	62.18	0.58	14.18	5.92		0.1	2.07	2.8	0.28	5.13	0.18	0.11	5.4	98.93
R9710777	97-176	126.9	127.0	0.1	66.36	0.56	14.55	4.61		0.07	1.49	1.78	0.17	4.94	0.15	0.1	4.42	99.2
R9710778	97-176	135.0	135.1	0.1	65.01	0.49	14	4.73		0.09	1.5	2.27	0.1	4.94	0.12	0.16	4.94	98.35
R9710779	97-176	154.6	154.7	0.1	66.63	0.5	13.71	4.53		0.02	1.29	2.35	0.6	4.34	0.2	0.24	4.13	98.54
R9710780	97-176	172.7	172.8	0.1	61.22	0.62	15.21	5.42		0.05	1.65	3	0.2	4.73	0.2	0.22	5.53	98.05
R9710781	97-176	184.8	184.9	0.1	61.22	0.67	15.81	5.86		0.05	2.34	3.05	0.28	4.78	0.2	0.17	4.59	99.02
R9710782	97-176	197.2	197.3	0.1	60.97	0.34	17.67	3.02		0.05	2.56	3.35	1.1	4.86	0.07	0.12	5.23	99.34
R9710783	97-176	201.8	201.9	0.1	67.84	0.2	10.28	1.91		0.07	3.52	5.44	0.34	2.76	0.05	0.05	7.32	99.78
R9710784	97-176	207.6	207.7	0.1	75.13	0.21	10.67	2.06		0.03	1.62	2.18	0.11	3.32	0.09	0.07	3.84	99.33
R9710785	97-176	217.3	217.4	0.1	73.58	0.28	12.53	2.41		0.01	1.37	1.37	0.17	3.76	0.07	0.07	3.91	99.53
R9710786	97-176	222.5	222.6	0.1	73.31	0.23	14.97	2.23		0.01	0.68	0.15	0.15	4.65	0.03	0.09	3.15	99.65

R9710787	97-176	226.3	226.4	0.1	76.98	0.2	13.52	1.86		0.01	0.34	0.09	0.27	4.01	0.02	0.13	2.3	99.73
R9710788	97-176	251.7	251.8	0.1	67.25	0.58	13.52	3.84		0.07	1.64	2.68	0.23	4.48	0.18	0.19	4.55	99.21
R9710789	97-176	271.3	271.4	0.1	60.68	0.64	15.5	4.59		0.09	1.85	3.91	1.37	4.53	0.21	0.2	5.4	98.97
R9710790	97-176	288.6	288.7	0.1	63.49	0.58	13.86	5.75		0.1	1.84	2.55	0.25	4.3	0.18	0.1	6.21	99.21
R9710791	97-176	310.9	311.0	0.1	66	0.68	16.19	4.38		0.02	1.38	0.88	0.37	4.76	0.2	0.15	4.76	99.77
R9710792	97-176	320.1	320.2	0.1	61.99	0.62	14.81	4.19		0.1	2.17	3.43	0.37	4.55	0.18	0.1	7.28	99.79
R9710793	97-176	327.6	327.7	0.1	61.65	0.68	16.15	5.9		0.05	1.63	2.28	1.19	4.75	0.2	0.13	4.38	98.99
R9710794	97-176	337.0	337.1	0.1	56.63	0.56	14.85	5.53		0.15	2.52	4.92	0.25	4.53	0.21	0.12	8.8	99.07
R9710795	97-176	345.7	345.8	0.1	63.45	0.68	16.45	3.54		0.05	1.44	2.36	0.93	4.82	0.2	0.15	4.8	98.87
R9710796	97-176	351.6	351.7	0.1	73.01	0.28	13.18	1.91		0.03	1.14	1.58	0.83	3.84	0.14	0.09	3.5	99.53
R9710797	97-177	10.0	10.1	0.1	72.62	0.36	16.04	1.26		0.01	1.1	0.05	0.15	5.65	0.02	0.07	2.54	99.87
R9710798	97-177	14.7	14.8	0.1	70.29	0.18	10.52	2.97		0.1	2.05	3.18	0.05	3.93	0.01	0.05	6.46	99.79
R9710799	97-177	18.9	19.0	0.1	60.06	0.33	14.63	5.01		0.1	2.47	3.57	0.02	5.51	0.02	0.07	7.4	99.19
R9710800	97-177	23.7	23.8	0.1	46.04	0.14	8.17	8.18		0.23	4.9	11.01	0.21	3.09	0.02	0.04	16.87	98.9
R9710801	97-177	30.5	30.6	0.1	69.83	0.28	11.89	1.73		0.05	0.6	4.82	0.09	4.21	0.05	0.07	5.53	99.15
R9710802	97-177	34.1	34.2	0.1	75.11	0.3	12.73	2.42		0.01	0.74	0.83	0.02	4.36	0.03	0.1	3.18	99.83
R9710803	97-177	38.0	38.1	0.1	29.63	0.34	17.57	9.39		0.28	5.98	10.6	0.25	6.73	0.09	0.11	16.67	97.64
R9710804	97-177	39.8	39.9	0.1	75.18	0.23	12.96	2		0.01	0.95	0.81	0.05	4.46	0.02	0.1	3.06	99.83
R9710805	97-177	46.7	46.8	0.1	71.37	0.23	13.88	2.58		0.01	1.14	1.24	0.03	5.05	0.01	0.07	4.01	99.62
R9710806	97-177	55.2	55.3	0.1	32.61	1.23	12.4	9.36		0.18	5.53	12.85	0.3	4.46	0.1	0.06	19.38	98.46
R9710807	97-177	58.9	59.0	0.1	64.73	0.68	16.17	3.8		0.02	1.71	1.23	0.1	5.65	0.21	0.06	4.86	99.22
R9710808	97-177	59.9	60.0	0.1	62.54	0.23	10.84	2.61		0.07	3.58	5.46	0.1	3.79	0.05	0.04	9.63	98.94
R9710809	97-177	63.7	63.8	0.1	74.72	0.25	12.85	2.16		0.01	0.87	0.87	0.03	4.44	0.05	0.04	3.3	99.59
R9710810	97-177	68.2	68.3	0.1	74.68	0.28	13.68	2.21		0.01	0.82	0.37	0.07	4.5	0.05	0.08	3	99.75
R9710811	97-178	11.5	11.6	0.1	55.09	1.71	13.81	9.73		0.07	2.98	4.53	3.86	0.38	0.43	0.04	6.07	98.7
R9710812	97-178	23.2	23.3	0.1	50.08	2.4	10.85	11.11		0.07	2.55	9.3	2.23	0.94	0.43	0.08	7.26	97.3
R9710813	97-178	28.5	28.6	0.1	79.61	0.15	3.75	2.53		0.07	1.51	4.3	0.09	1.16	0.37	0.31	5.9	99.75
R9710814	97-178	37.4	37.5	0.1	64.2	0.52	14.34	4.21		0.07	1.65	2.83	0.1	4.82	0.17	0.16	6.15	99.22
R9710815	97-178	48.2	48.3	0.1	62.56	0.69	16.1	5.01		0.07	1.45	2.38	1.27	5	0.21	0.1	4.76	99.6
R9710816	97-178	55.1	55.2	0.1	58.52	0.79	18.38	5.76		0.07	1.28	1.84	2.25	5.36	0.23	0.13	5.11	99.72
R9710817	97-178	73.2	73.3	0.1	75.77	0.28	13.68	2.5		0.01	0.4	0.11	0.05	3.27	0.05	0.07	3.58	99.77
R9710818	97-178	86.5	86.6	0.1	72.16	0.58	14.63	1.75		0.02	0.44	0.87	3.11	3.11	0.18	0.07	2.48	99.4
R9710819	97-178	89.6	89.7	0.1	65.76	0.5	14.1	3.5		0.09	1.48	3.02	0.17	5.78	0.15	0.08	4.67	99.3
R9710820	97-178	104.4	104.5	0.1	68.88	0.37	15.48	3.09		0.01	0.97	0.72	2.73	4.5	0.1	0.1	2.55	99.5
R9710821	97-178	121.5	121.6	0.1	67.01	0.64	14.86	4.44		0.05	1.21	1.12	0.1	6.05	0.2	0.14	3.66	99.48
R9710822	97-178	130.2	130.3	0.1	68.88	0.44	14.36	2.04		0.07	1.32	2.45	0.15	5.44	0.15	0.29	4.19	99.78
R9710823	97-178	135.7	135.8	0.1	50.43	3.39	16.22	9.84		0.07	1.7	3.56	0.37	6.76	0.34	0.27	6.51	99.46
R9710824	97-178	144.7	144.8	0.1	73.58	0.25	11.44	1.91		0.05	0.77	2.81	0.95	3.74	0.1	0.09	3.92	99.61
R9710825	97-178	157.2	157.3	0.1	64.01	0.61	14.65	4.51		0.09	1.57	2.69	0.25	5.63	0.18	0.1	5.44	99.73
R9710826	97-178	171.3	171.4	0.1	65.34	0.62	14.69	4.07		0.1	1.25	2.63	2.32	3.93	0.18	0.1	4.25	99.48
R9710827	97-178	173.1	173.2	0.1	63.18	0.63	16.01	4.38		0.1	1.45	2.57	1.96	4.78	0.2	0.12	4.3	99.68
R9710828	97-178	180.7	180.8	0.1	66.69	0.55	13.63	4.32		0.11	1.21	2.52	1.08	4.3	0.17	0.13	4.84	99.55
R9710829	97-178	203.8	203.9	0.1	71.79	0.38	12.81	1.63		0.03	0.58	2.31	3.22	3.08	0.05	0.12	3.31	99.31
R9710830	97-178	215.7	215.8	0.1	45.75	2.13	12.6	11.5		0.15	4.8	7.78	0.31	5.9	0.4	0.11	8.02	99.45
R9710831	97-178	225.9	226.0	0.1	67.73	0.57	13.86	4.8		0.07	0.75	2.3	1.51	4.13	0.18	0.09	3.71	99.7
R9710832	97-178	237.4	237.5	0.1	64.5	0.61	14.86	5.32		0.1	1.13	2.44	0.15	5.53	0.28	0.11	4.73	99.76
R9710833	97-178	244.6	244.7	0.1	72.37	0.31	14.01	2.73		0.01	0.76	1.19	0.12	4.84	0.11	0.08	3.18	99.71
R9710834	97-178	262.3	262.4	0.1	68.75	0.34	15.6	2.77		0.05	0.82	1.82	0.01	5.09	0.11	0.09	4.11	99.56
R9710835	97-178	294.6	294.7	0.1	71.48	0.21	12.67	2.05		0.03	0.87	2.88	0.1	4.34	0.01	0.07	4.76	99.47
R9710836	97-178	325.9	326.0	0.1	67.3	0.67	16.95	1.72		0.01	1.29	1.34	0.27	5.46	0.18	0.1	4.21	99.5
R9710837	97-178	344.4	344.5	0.1	62.68	0.68	16.04	4.98		0.14	0.94	2.41	0.15	6.05	0.23	0.12	5.17	99.59

R9710838	97-179	20.0	20.1	0.1	46.88	2.8	12.84	11.69		0.18	5.8	7	2.84	1.08	0.03	0.14	6.76	98.04
R9710839	97-179	41.5	41.6	0.1	44.16	1.3	13.96	9.42		0.12	7.63	8.32	3.19	1.59	0.18	0.12	8.22	98.21
R9710840	97-179	59.1	59.2	0.1	40.15	0.68	6.69	11.68		0.1	18.03	6.84	0.02	0.01	0.1	0.01	13.17	97.48
R9710841	97-179	69.0	69.1	0.1	60.11	1.89	12.11	8.68		0.1	2.56	1.53	0.11	2.34	0.36	0.22	9.48	99.49
R9710842	97-179	94.8	94.9	0.1	51.95	1.53	13.27	9.51		0.07	3.11	5.84	2.1	0.72	0.36	0.05	9.93	98.44
R9710843	97-179	134.6	134.7	0.1	50.38	2.21	13.05	11.31		0.12	3.81	5.86	3.42	0.05	0.57	0.01	6.94	97.73
R9710844	97-179	141.7	141.8	0.1	70.08	0.47	12.6	2.88		0.05	0.5	3.07	2.96	1.87	0.05	0.16	4.9	99.59
R9710845	97-179	147.5	147.6	0.1	68.26	0.46	11.43	3.85		0.05	2.09	3.63	0.09	3.75	0.1	0.24	5.07	99.02
R9710846	97-179	211.8	211.9	0.1	52.47	2.4	12.15	11.59		0.15	2.88	7.03	1.61	1.23	0.5	0.05	6.51	98.57
R9710847	97-179	239.8	239.9	0.1	70.45	0.47	13.67	2.89		0.03	0.58	2.01	3.06	2.59	0.11	0.11	3.64	99.61
R9710848	97-179	253.4	253.5	0.1	62.38	0.56	16.5	3.47		0.05	1.39	3.04	0.14	6.01	0.18	0.1	5.61	99.43
R9710849	97-179	270.7	270.8	0.1	66.48	0.44	14.02	4.32		0.07	1.24	2.81	0.56	5.03	0.14	0.15	4.13	99.39
R9710850	97-179	285.3	285.4	0.1	73.62	0.23	12.56	1.92		0.01	1.13	1.63	0.47	4.34	0.11	0.22	3.28	99.52
R9710851	97-179	293.1	293.2	0.1	64.05	0.6	14.59	5.36		0.05	1.79	2.17	1.38	4.88	0.18	0.09	4.38	99.52
R9710852	97-179	301.4	301.5	0.1	63.13	0.6	14.77	5.38		0.1	1.74	2.56	0.09	5.53	0.18	0.09	5.05	99.22
R9710853	97-179	309.0	309.1	0.1	65.55	0.5	14.42	4.65		0.03	1.11	2.55	2.3	3.99	0.14	0.09	3.89	99.22
R9710854	97-179	327.6	327.7	0.1	68.26	0.5	12.71	5.03		0.05	0.94	2.49	2.03	3.83	0.14	0.08	3.45	99.51
R9710855	97-179	335.9	336.0	0.1	44.34	1.55	13.17	9.35		0.21	3.33	10.6	0.3	5.71	0.2	0.06	10.25	99.07
R9710856	97-179	347.8	347.9	0.1	44.84	2.63	12.21	12.47		0.18	3.24	9.14	0.3	5.65	0.34	0.08	7.86	98.94
R9710857	97-179	366.0	366.1	0.1	64.91	0.74	14.98	5.96		0.01	1.27	1.37	3.46	4.48	0.2	0.09	2.27	99.74
R9710858	97-179	389.3	389.4	0.1	43.63	2.3	13.02	11.92		0.12	3.82	8.25	0.25	6.98	0.37	0.12	8.06	98.84
R9710859	97-179	397.9	398.0	0.1	64.34	0.7	16.31	4.48		0.03	1.34	1.28	2.67	5.46	0.21	0.12	2.64	99.58
R9710860	97-179	430.4	430.5	0.1	68.94	0.5	13.8	3.71		0.05	0.69	1.65	2.95	3.67	0.15	0.04	3.1	99.25
R9710861	97-179	452.8	452.9	0.1	67.41	0.44	13.97	3.21		0.05	1.24	2.58	0.85	5.46	0.12	0.09	3.83	99.25
R9710862	97-179	471.7	471.8	0.1	65.47	0.6	15.38	4.42		0.01	2.15	0.98	1.69	5.73	0.18	0.09	2.64	99.34
R9710863	97-179	483.4	483.5	0.1	75.61	0.15	11.93	2.04		0.01	0.87	0.77	2.15	3.72	0.01	0.07	2.15	99.48
R9710864	97-179	485.8	485.9	0.1	45.88	2.5	13.23	12.03		0.12	3.9	7.05	0.36	7.07	0.37	0.07	6.9	99.48
R9710865	97-179	496.3	496.4	0.1	69.77	0.6	12.56	5.25		0.01	1.78	0.57	1.09	5.67	0.17	0.11	2.19	99.77
R9718960	97-181	20.1	20.2	0.1	74.58	0.28	14.02	2.05		0.01	0.55	0.17	3.43	2.54	0.07	0.14	1.86	99.70
R9719031	97-181	20.2	21.0	0.8	77.01	0.25	11.81	2.09		0.01	0.72	0.68	2.27	2.50	0.07	0.10	2.39	99.90
R9718961	97-181	26.1	26.2	0.1	69.30	0.30	14.18	3.06		0.05	1.71	1.98	0.34	4.07	0.09	0.09	4.21	99.38
R9718962	97-181	32.5	32.6	0.1	64.13	0.63	16.35	3.42		0.02	1.89	2.31	0.25	4.80	0.21	0.09	4.92	99.02
R9718963	97-181	38.5	38.6	0.1	69.73	0.43	14.39	2.00		0.02	1.66	2.15	0.31	4.19	0.15	0.09	4.65	99.77
R9718964	97-181	45.0	45.1	0.1	70.26	0.40	13.92	2.67		0.01	1.49	1.75	0.74	3.89	0.14	0.08	4.05	99.40
R9718965	97-181	51.0	51.1	0.1	69.94	0.50	16.21	1.74		0.01	1.34	1.16	0.02	5.05	0.17	0.10	3.47	99.71
R9718966	97-181	53.2	53.3	0.1	66.77	0.63	15.39	3.42		0.05	1.60	2.13	0.07	4.80	0.23	0.10	3.82	99.01
R9718967	97-181	57.4	57.5	0.1	73.26	0.34	13.28	3.66		0.03	0.86	0.86	0.07	4.28	0.02	0.12	2.77	99.55
R9718968	97-181	64.0	64.1	0.1	70.98	0.25	14.06	3.65		0.01	1.46	0.51	0.01	4.88	0.10	0.09	3.81	99.81
R9718969	97-181	69.1	69.2	0.1	46.68	3.19	13.77	12.48		0.20	2.77	6.05	0.11	5.48	0.33	0.33	6.32	97.71
R9718970	97-181	70.4	70.5	0.1	45.83	2.68	13.75	11.69		0.14	3.34	6.98	0.14	5.63	0.37	0.29	6.84	97.68
R9718971	97-181	74.9	75.0	0.1	71.62	0.30	14.00	1.84		0.01	1.27	1.45	0.10	4.90	0.10	0.16	3.20	98.95
R9718972	97-181	78.0	78.1	0.1	65.65	0.62	15.23	3.38		0.03	1.70	2.03	1.21	4.69	0.23	0.11	4.01	98.89
R9718973	97-181	84.5	84.6	0.1	53.34	2.85	13.76	10.02		0.14	1.98	5.05	0.17	5.19	0.80	0.54	5.55	99.39
R9719032	97-181	86.35	87.35	1.0	60.40	0.23	9.39	9.30		0.12	1.71	4.44	0.83	3.18	0.11	0.18	8.85	98.74
R9718981	97-181	89.6	89.7	0.1	74.05	0.30	13.59	1.84		0.01	0.75	0.95	1.78	3.83	0.10	0.18	2.25	99.63
R9718980	97-181	92.0	92.1	0.1	66.87	0.62	15.35	3.83		0.01	1.53	1.11	0.01	5.71	0.17	0.14	4.01	99.36
R9718974	97-181	95.9	96.0	0.1	65.20	0.62	15.13	3.35		0.02	1.74	2.01	1.26	4.63	0.20	0.11	4.88	99.15
R9718975	97-181	101.2	101.3	0.1	77.06	1.02	11.06	2.77		0.01	0.62	0.60	0.40	3.44	0.20	0.14	2.31	99.63
R9718976	97-181	107.7	107.8	0.1	64.91	0.57	14.27	8.15		0.05	4.19	0.43	0.07	2.83	0.17	0.13	3.90	99.67
R9718977	97-181	111.8	111.9	0.1	59.93	0.63	15.18	9.92		0.10	3.70	1.08	0.09	3.43	0.20	0.16	5.05	99.47
R9718978	97-181	115.9	116.0	0.1	79.26	0.23	11.77	1.24		0.01	0.56	0.23	1.24	2.89	0.07	0.20	1.87	99.57

R9718979	97-181	120.2	120.3	0.1	68.50	0.52	13.39	4.50		0.07	2.83	1.25	0.07	3.75	0.15	0.20	4.36	99.59
R9718982	97-181	124.0	124.1	0.1	66.13	0.62	15.39	5.19		0.07	2.98	0.82	0.12	4.17	0.18	0.26	3.72	99.65
R9718983	97-181	129.9	130.0	0.1	60.66	0.67	16.07	8.22		0.07	4.78	0.51	0.10	3.73	0.18	0.24	4.30	99.53
R9718940	97-182	8.2	8.3	0.1	66.33	0.57	14.73	4.19		0.07	1.90	2.00	2.00	3.19	0.20	0.16	3.16	98.50
R9719010	97-182	14.1	15.6	1.5	59.31	0.58	14.97	7.90		0.12	3.64	2.73	0.18	3.95	0.23	0.19	4.67	98.47
R9719011	97-182	15.6	16.5	0.9	34.59	0.56	13.59	28.26		0.28	4.80	0.93	0.31	2.42	0.20	0.13	10.55	96.62
R9719012	97-182	16.5	17.5	1.0	62.81	0.60	14.80	6.21		0.07	2.63	2.06	0.15	4.48	0.23	0.20	4.53	98.77
R9719013	97-182	17.5	18.0	0.5	44.54	0.60	13.76	21.04		0.18	4.32	1.35	0.28	3.60	0.23	0.16	6.59	96.65
R9719014	97-182	18.0	19.5	1.5	65.16	0.58	15.50	5.90		0.07	1.97	1.50	0.14	5.15	0.20	0.30	3.09	99.56
R9718941	97-182	20.4	20.5	0.1	67.72	0.60	15.42	4.88		0.07	1.40	0.98	0.52	4.88	0.20	0.29	2.42	99.38
R9718942	97-182	26.6	26.7	0.1	50.00	2.35	13.47	12.00		0.28	2.46	5.21	0.11	4.80	0.49	0.29	5.92	97.38
R9718943	97-182	32.5	32.6	0.1	66.84	0.38	11.93	4.23		0.15	2.57	3.48	0.07	3.67	0.12	0.28	5.98	99.70
R9718944	97-182	35.5	35.6	0.1	60.29	0.23	10.15	16.43		0.09	3.97	0.60	0.01	1.99	0.05	0.10	5.94	99.85
R9719015	97-182	38.4	38.9	0.5	55.27	0.21	11.71	16.87		0.12	4.28	1.16	0.10	1.96	0.07	0.09	6.30	98.14
R9719016	97-182	38.9	40.4	1.5	53.81	0.25	12.31	13.76		0.20	3.89	2.86	0.11	2.59	0.10	0.12	6.05	96.05
R9719017	97-182	40.4	41.6	1.2	65.62	0.20	11.34	12.88		0.14	2.83	0.58	0.15	1.89	0.05	0.10	3.89	99.67
R9719018	97-182	41.6	43.2	1.6	69.77	0.17	7.80	13.39		0.11	2.50	1.04	0.28	0.64	0.05	0.04	3.75	99.54
R9719019	97-182	43.2	44.9	1.7	51.81	0.15	9.51	23.12		0.25	3.79	1.21	0.41	0.61	0.05	0.03	6.40	97.34
R9719020	97-182	44.9	46.4	1.5	45.75	0.27	13.60	19.01		0.23	6.53	2.81	0.03	1.55	0.09	0.07	6.80	96.74
R9719021	97-182	46.4	47.3	0.9	62.52	0.20	12.57	13.44		0.10	4.76	0.18	0.11	1.74	0.07	0.08	3.96	99.73
R9719022	97-182	47.3	48.8	1.5	61.65	0.25	12.97	11.73		0.10	5.73	0.68	0.01	2.03	0.09	0.10	4.55	99.89
R9718945	97-182	52.0	52.1	0.1	66.69	0.21	11.60	8.61		0.07	4.67	0.60	0.05	1.92	0.05	0.07	4.17	98.71
R9718946	97-182	58.0	58.1	0.1	73.06	0.20	11.84	5.05		0.05	3.10	0.49	0.10	2.72	0.05	0.10	2.96	99.72
R9718947	97-182	64.0	64.1	0.1	62.93	0.20	10.57	13.72		0.10	5.17	0.80	0.12	0.85	0.05	0.03	4.65	99.19
R9719023	97-182	65.2	66.2	1.0	54.84	0.23	11.42	18.38		0.15	6.00	0.75	0.11	0.91	0.07	0.03	5.59	98.48
R9719024	97-182	66.2	67.7	1.5	50.31	0.23	13.14	17.50		0.11	6.46	2.11	0.10	1.29	0.07	0.05	6.11	97.48
R9719025	97-182	67.7	68.2	0.5	54.63	0.23	12.53	17.26		0.17	6.25	1.20	0.05	1.33	0.09	0.05	5.32	99.11
R9718948	97-182	70.3	70.4	0.1	53.06	0.30	16.77	13.31		0.09	3.75	0.83	0.15	4.82	0.07	0.20	5.76	99.11
R9719026	97-182	70.5	72.0	1.5	70.00	0.21	10.25	9.97		0.09	1.73	0.27	0.33	3.46	0.07	0.16	3.18	99.72
R9719027	97-182	72.0	72.6	0.6	61.49	0.50	13.68	10.68		0.05	1.25	0.52	0.52	4.59	0.18	0.26	4.51	98.23
R9719028	97-182	72.6	74.1	1.5	69.05	0.49	14.06	5.40		0.02	0.87	0.86	0.34	4.48	0.20	0.32	3.56	99.65
R9718949	97-182	76.0	76.1	0.1	66.12	0.57	14.93	5.19		0.09	1.50	1.83	0.09	5.11	0.15	0.41	3.61	99.60
R9718950	97-182	82.5	82.6	0.1	68.05	0.51	14.35	3.92		0.10	1.34	1.72	0.02	4.78	0.18	0.39	4.28	99.64
R9718951	97-182	88.4	88.5	0.1	62.97	0.68	16.48	6.46		0.02	3.27	0.76	0.18	4.73	0.18	0.49	3.55	99.77
R9718952	97-182	94.4	94.5	0.1	67.76	0.58	14.14	5.21		0.01	3.03	0.49	1.96	4.21	0.20	0.34	1.78	99.71
R9718953	97-182	100.8	100.9	0.1	67.44	0.54	13.94	4.32		0.05	1.83	2.41	1.25	3.56	0.15	0.39	3.79	99.67
R9718954	97-182	106.4	106.5	0.1	66.54	0.54	13.68	6.17		0.05	2.30	1.92	2.30	2.30	0.15	0.27	3.55	99.77
R9718955	97-182	111.7	111.8	0.1	66.52	0.60	15.27	4.53		0.03	1.84	1.50	2.71	2.77	0.20	0.37	3.29	99.63
R9718956	97-182	117.7	117.8	0.1	64.16	0.64	15.35	6.32		0.03	2.61	1.25	2.81	1.94	0.21	0.42	2.78	98.52
R9718957	97-182	124.0	124.1	0.1	66.91	0.66	15.64	5.28		0.01	2.40	0.41	4.13	1.26	0.20	0.15	2.18	99.23
R9718958	97-182	130.0	130.1	0.1	67.06	0.61	15.55	5.05		0.03	2.52	0.81	2.92	2.03	0.20	0.22	2.78	99.78
R9718959	97-182	134.9	135.0	0.1	63.41	0.57	13.90	5.36		0.10	1.76	3.34	1.75	3.45	0.20	0.23	4.05	98.12
R9719029	97-183	8.2	11.3	3.1	24.62	0.02	1.37	40.68		0.18	1.02	0.67	0.69	0.50	0.07	0.03	14.52	84.37
R9719030	97-183A	5.6	7.3	1.7	28.73	0.30	13.02	37.50		0.07	3.56	0.56	0.50	1.90	0.05	0.09	11.56	97.84
R9718984	97-186	13.1	13.2	0.1	70.30	0.34	14.97	2.32		0.01	1.09	1.04	1.50	4.76	0.02	0.13	3.03	99.51
R9718985	97-186	15.8	15.9	0.1	72.36	0.31	13.89	1.75		0.01	0.47	1.09	2.83	4.61	0.02	0.12	2.08	99.54
R9718986	97-186	21.0	21.1	0.1	70.13	0.33	14.52	1.76		0.01	0.49	0.79	0.20	8.89	0.03	0.53	1.84	99.52
R9718987	97-186	26.7	26.8	0.1	73.91	0.28	12.57	1.97		0.01	0.33	0.25	0.15	7.76	0.02	0.53	1.67	99.45
R9718988	97-186	32.5	32.6	0.1	73.41	0.23	13.67	1.37		0.02	1.41	1.40	0.12	3.96	0.01	0.14	3.75	99.49
R9718989	97-186	35.8	35.9	0.1	70.01	0.01	1.12	10.47		0.07	1.19	4.46	0.01	0.23	0.01	0.02	8.98	96.58
R9718990	97-186	41.9	42.0	0.1	64.30	0.60	14.77	3.67		0.07	2.06	2.98	0.88	3.65	0.23	0.08	5.84	99.13

R9718991	97-186	46.4	46.5	0.1	67.41	0.56	14.50	3.39		0.10	1.61	2.41	0.34	3.93	0.20	0.07	4.57	99.09
R9718992	97-186	48.9	49.0	0.1	64.91	0.69	17.45	3.35		0.02	1.65	1.52	0.25	4.92	0.25	0.10	4.09	99.20
R9718993	97-187	7.9	8.0	0.1	64.09	0.64	15.64	3.58		0.05	1.80	2.60	0.12	4.96	0.25	0.12	5.63	99.48
R9718994	97-187	16.4	16.5	0.1	62.90	0.60	18.95	2.10		0.01	1.67	1.80	0.20	5.80	0.18	0.14	4.88	99.23
R9718995	97-187	18.4	18.5	0.1	71.22	0.46	14.97	1.85		0.01	0.87	1.52	0.31	4.32	0.10	0.11	3.88	99.62
R9718996	97-187	20.9	21.0	0.1	67.70	0.51	16.48	1.72		0.02	1.58	2.00	0.07	4.94	0.17	0.11	4.17	99.47
R9718997	97-187	26.5	26.6	0.1	65.97	0.56	13.27	5.03		0.10	1.62	3.20	0.01	3.95	0.18	0.06	5.46	99.41
R9718998	97-187	32.7	32.8	0.1	68.00	0.68	15.98	3.35		0.05	1.15	1.40	0.15	4.96	0.21	0.08	3.52	99.53
R9718999	97-187	36.8	36.9	0.1	66.23	0.66	16.13	4.38		0.07	1.11	0.98	0.09	4.94	0.25	0.09	4.63	99.56
R9719000	97-187	39.7	39.8	0.1	64.58	0.50	14.40	4.38		0.10	1.77	3.15	0.03	4.48	0.18	0.08	5.38	99.03
R9719001	97-187	45.5	45.6	0.1	62.02	0.75	18.00	5.76		0.11	1.57	1.14	0.21	5.30	0.25	0.09	4.28	99.48
R9719002	97-187	51.8	51.9	0.1	66.15	0.63	15.07	3.42		0.09	1.52	2.43	0.15	4.63	0.23	0.09	4.71	99.12
R9719003	97-187	56.6	56.7	0.1	63.91	0.68	16.45	4.23		0.01	1.54	1.50	0.10	5.30	0.21	0.13	5.30	99.36
R9719004	97-187	59.3	59.4	0.1	73.08	0.61	15.03	1.42		0.01	0.46	0.44	3.50	2.95	0.20	0.08	1.90	99.68
R9719005	97-187	62.9	63.0	0.1	65.68	0.21	9.01	9.48		0.02	0.79	2.82	0.01	3.25	0.07	0.08	7.86	99.28
R9719006	97-187	64.6	64.7	0.1	69.84	0.34	13.43	2.19		0.03	1.19	2.83	0.81	4.40	0.11	0.12	4.19	99.48

093848

HOLE NO: CO97-1A SECTION: GRID:

PROJECT CODE : PELLY TT
TENEMENT : COBB
PROSPECT :
GRID :
MAP REFERENCE : NTS 105 G 7
LOCATION : YUKON
HOLE TYPE :

*** COLLAR COORDINATES AND RL ***

NOMINAL	0.00mN	0.00mE	0.00RL

Pre-collar depth: Final depth: 45.70

Purpose of hole: TEST MINERALIZED STRATIGRAPHY

Hole status:

Comments:

*** SURVEY DATA ***

Survey Method: ACID TEST

Depth	Azimuth	Inclination
0.00	0.00	-90.00

*** SUMMARY LOG ***

0.00	4.30	OVERBURDEN
4.30	45.70	QUARTZ-MICA SCHIST (META-WACKE) META-BASITE SILL/DYKE
45.70		END OF HOLE

*** DRILLING SUMMARY ***

	0.00 45.70
Drill contractor:	DJ DRILLING LTD.
Drill rig:	LF-70
Date started:	21/9/97
Date finished:	22/9/97
Logged by:	NPO
Relogged by:	
Sampled by:	

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

*** SIGNIFICANT ASSAYS ***

From	To	Width

Checked and signed: _____ Date: _____

Cobb
DRILL LOG

CO97-1A

From	To	Geological Log
0.00	4.30	OVERBURDEN
4.30	45.70	Quartz-Mica Schist (Meta-wacke) Meta-Basite Sill/Dyke INTERLAYERED QUARTZ-MICA SCHISTS/META-BASITES:Finely banded to stripped, light greenish grey to dark grey to white, well foliated quartz-biotite-muscovite+chlorite schists (wackes, siltstones) with minor thin micaceous quartzite units interlayered with lesser chlorite-biotite-calcite schists (meta-basites). Finely biotite porphyroblastic quartz-muscovite schists/micaceous quartzites more common in the upper part of unit where they are interlayered with <1-10 cm thick biotite-rich schists and <10-30 cm thick, psuedofragmental textured micaceous quartzites. Unit generally becomes more biotitic down hole. By 22.8 m, unit is uniformily very weakly thily layered (ie. <1cm thick siliceous layers separated by <1-2 mms thick biotite-mica partings). Qtz-mica schists are generally medium grained (sandy) but locally fine-grained (silty) meta-psammites. White quartz-calcite(or dolomite), foliation parallel lenses/veins (up to 2 cms) are common throughout. These schists are generally weak to moderate calcitic becoming strongly calcareous down hole. Banded black siltite/argillite with trace po disseminations is present at 22.8-23.0 m. Meta-basite units comprise chlorite-biotite-calcite and very fine diosseminated po and are present at 20.4-22.8 m, 23.4-23.7 m, 33.5-35.5 m. Thin light grey, sparsely quartz-phyric felsic aplite intrusive dyke present at 31.0-31.1 m. Between 25.5-30.8 m, core is more badly broken and commonly show 10-20 cm thick quartz veins/sweats; tight to isoclinal, parasitic folds (symmetric and asymmetric) are common through this zone (asymmetric folds also at 9.6-11.0 m, 31.9-32.0 m, 41.9-42.0 m). Synkinematic dolomite porphyroblasts with obvious strain shadows are present at 14.1-15.7 m. S2 foliations at 85 to ca at 13.5 m; 70 to ca at 23.5 m, 85 to ca at 33.5 m and 85 to ca at 42.5 m. Lower 2.8m of unit (ie.42.9 -45.7m) are strongly silicified.

*** END OF HOLE *** 45.70

093c48

HOLE NO: CO97-1B SECTION: GRID:

PROJECT CODE : PELLY TT
TENEMENT : COBB
PROSPECT :
GRID :
MAP REFERENCE : 105 G 7
LOCATION : YUKON
HOLE TYPE : NQ

*** COLLAR COORDINATES AND RL ***

NOMINAL	0.00 mN	0.00 mE	0.00 RL

Pre-collar depth: Final depth: 97.50

Purpose of hole: TEST MINERALIZED STRATIGRAPHY

Hole status:

Comments:

*** SURVEY DATA ***

Survey Method: ACID TEST

Depth	Azimuth	Inclination
0.00	0.00	-90.00
97.50	15.00	-89.30

*** SUMMARY LOG ***

0.00	3.00	OVERBURDEN
3.00	30.80	QUARTZ-MICA SCHIST (META-WACKE) META-BASITE SILL/DYKE
30.80	47.80	META-SANDSTONE META-BASITE SILL/DYKE
47.80	52.50	FELSIC TUFF META-SANDSTONE
52.50	55.60	FELSIC TUFF TUFFACEOUS META-WACKE
55.60	56.10	FELSIC LAPILLI TUFF

*** DRILLING SUMMARY ***

	0.00 97.50 NQ
Drill contractor:	DJ DRILLING LTD.
Drill rig:	LF-70
Date started:	22/9/97
Date finished:	24/9/97
Logged by:	NPO
Relogged by:	
Sampled by:	

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

*** SIGNIFICANT ASSAYS ***

From	To	Width

Checked and signed: _____ Date: _____

HOLE NO: CO97-1B SECTION: GRID:

56.10	66.90	FELSIC TUFF
66.90	68.60	SILTSTONE FELSIC TUFF
68.60	69.20	FELSIC LAPILLI TUFF
69.20	74.90	MAFIC TUFF SILTSTONE
74.90	84.40	FELSIC TUFF
84.40	88.40	SHEARED META-PORPHYRY (META-WACKE)
88.40	88.70	FELSIC LAPILLI TUFF
88.70	97.40	SHEARED META-PORPHYRY (META-WACKE)
97.40	97.50	FELSIC LAPILLI TUFF
97.50		END OF HOLE

Checked and signed: _____ Date: _____

Cobb
NQ DRILL LOG

CO97-1B

From	To	Geological Log
0.00	3.00	OVERBURDEN
3.00	30.80	Quartz-Mica Schist (Meta-wacke) Meta-Basite Sill/Dyke QUARTZ - MICA SCHISTS WITH INTERLAYERED META-BASITES Thinly layered/ banded, fine to medium graine, strongly foliated 1)med.-Dk grey, quartz-biotite-muscovite schist. 2)Light grey to greenish grey, finely biotite-porphroblastic/speckled quartz-mscovite schist. 3) med-dark green, calcareous, chlorite-biotite schist (meta-basite. 4)minor,thin,commonly fragmental-textured, biotite-muscovite bearing micaceous quartzite, and 5) minor, thin, light grey to tan, medium grained, weakly foliated, massive textured commonly finely quartz-phylic felsite/aplite (dyke rock). Thin, grey-white, quartz-carbonate lenses/bads common throughout schist units. Weakly to moderatly calcareous unit throughout. 3.0 - 8.4m : Moderatly weathered, rusty brown to dark brown, interlayered quartz-biotite-muscovite schist and biotite porphroblastic quartz muscovite schist with minor chlorite biotite schist bands, thin (10cm) micaceous quartzite unit (@8.3 - 8.4m) and minor quartz veining. Foliation at 80 deg. TCA @ 7.7m Strongly broken core @ 3.0 - 6.6m. 8.4 - 20.4m : Dark grey to greenish grey, strongly foliated, thinly banded fine to medium grained quartz-biotite-muscovite schist with very thin (generally <1cm.) Chlorite-biotite schist bands, 2) thin (2 - 15cm.) Siliceous, fragmental textured, micaceous quartzite units (eg. @ 10.6 - 10.7) and abundant grey-white quartz +/- carbonate lenses/bands. Schists with local concentrations of white, strained (syn-kinematic), dolomite porhroblasts between 13.4 - 15.5m. Increasing calcareous chlorite-biotite schist content downhole. Kink fold @ 90m; open to isoclinal, asymetric parasitic folds @9.9 - 11.7m. Foliation @75 deg. TCA @10.6m; 80 deg. TCA @ 18.7m. Partly clay weathered Meta-Basite Sill/Dyke-rich band @14.7m. 20.4 - 22.9m : Medium green to grey green, strongly foliated, thinly banded/layered, variably but generaly moderatly calcitic, chlorite-biotite-schist with minor, thin, calcareous, dark grey, quartz-biotite-muscovite schists or micaceous quartzites (ie: meta - psammites)
30.80	47.80	Meta-sandstone Meta-Basite Sill/Dyke CALCAREOUS QUARTZOSE META-SEDIMENTS AND META-BASITES Thinly banded/layered, commonly granular textured, calcareous quartz-biotitemuscovite schists/micaceous quartzites with thin quartzose-marble bands (1 - 2cm thick) and interlayered calcareous chlorite-biotite schists. 30.8 - 32.0m : Thinly banded, light grey , granular textured calcareous biotitic quartzites. (Ie: limey, sandy, meta-sediments). Tan, quartz-phyric felsite/aplite @31.1 - 31.2m. Foliation @85 deg. TCA throughout. 32.0 - 32.7m : Calcareous chlorite-biotite schist as per 23.3 - 23.7m. Foliation @80 deg. TCA @32.0m. Strongly broken core throughout. Moderate quartz veining throughout. Sharp contacts. Rusty weathered fracture surfaces. 32.7 - 33.3m : Calcareous thinly banded/layered, granular textured quartz-biotite-muscovite schist/micaceous quartzite as per23.7 - 32. 0m. Sharp

From	To	Geological Log
		upper and lower contacts. Foliation @75 deg. TCA @33.0m. Abundant small, foliation-parallel mafic clasts (rip-ups?) with lowe most 10 cm. Of zone. 33.3 - 35.9m : Calcareous chlorite-biotite schist as above. Foliation @80 deg. TCA throughout. 20 cm. Wide quartz vein close to lower contact. Sharp upper and lower contacts. 35.9 - 43.4m : Very thinly banded, calcareous quartz-biotite-muscovite schist to thinly banded/layered calcareous, granular textured, biotitic, micaceous quartzite (ie: limey, sandy, meta-sediments) . Increasingly rusty weathering, downhole (after Fe - carbonate) Foliation @85 deg. TCA @40.0m. 43.4 - 45.8m : Zone above is gradational with more rusty weathering, more strongly Fe- carbonitized composed of similar rock types. 45.8 - 47.8m : Mixed zone of calcareous schist/quartzites with thin marble bands, and thicker layered, more siliceous rocks, consisting of: 1) grey muscovite-biotite phyllitic quartzite, and 2) yellowish grey, sericitic quartzites. Zone represents a mixture of calcareous wackes, tuffaceous wackes and felsic tuffs.Tan weathering, weakly foliated, massive textured, medium grained, finely/quartz-phyric felsite/aplite (intrusive) @47.6 - 47.75m. Bottom 5cm. Of unit is composed of thinly layered/banded, black siltite/argillite with interlayered quartz carbonate bands/lenses. Gradational lower contact. Foliation : 80 deg. TC @45.4m, 90 deg. TCA @47.8m.
47.80	52.50	FELSIC TUFF Meta-sandstone MIXED FELSIC META-VOLCANICS AND CALCAREOUS META-SEDIMENTS Medium grey,siliceous, fine to medium grained, thickly layered, locally calcareous, biotite and muscovite bearingmicaceous quartzites (possible tufaceous wackes) with thin (+/- 1cm) greyish white marble bands interlayered with yellowish grey, schistose to quartzose, felsic meta-volcanic rocks and thin units (5-25cm wide) of specled/striped black and white, biotite-calcite schist (mixed clastic and hydrothermal siltite?) hosting minor disseminated pyrite along foliation planes. Locally strongly Fe-carbonitized as coarsly crystaline impregnated porphroblasts. Foliation @85deg TCA throughout. Gradational upper and lower contacts. Aplite sills/dykes @47.8 - 47.9m, 48.4 - 48.6m
52.50	55.60	FELSIC TUFF Tuffaceous Meta-wacke FELSIC TUFF/TUFFACEOUS WACKE Light grey/ rusty grey/ medium grey thickly layered/ banded, fine grained, siliceous, granular textured, muscovitic to seracitic, quartzose rock with variable but generally minor biotite content. More siliceous, yellowish grey seracitic units commonly hosts disseminations and streaks of pyrite prallel to foliation. Pyrite has commonly been weathered out to limonitic pores. Sub-cm. Scale pyrite porphroblasts also present in tuffaceous wackes. Locally strongly broken core: unit becomes very soft and flaky over bottom 85cm of zone, forming strongly broken and locally clayey core.

From	To	Geological Log
		Faulted bottom contact. Possible trace sphalerite @53.1m. Dendritic Mn Ox growths common on foliation surfaces.
55.60	56.10	FELSIC LAPILLI TUFF FAULT! Very clay rich fault gouge zone. Very fine muscovite flakes throughout.
56.10	66.90	FELSIC TUFF FELSIC TUFF / LAPILLI TUFF / TUFFACEOUS WACKE Thickly layered, uniformly granular textured, medium grey to grey brown/ yellow, moderately siliceous felsic tuff/tuffaceous wacke with abundant muscovitic partings and very fine biotite porphroblasts disseminated throughout. Tuff/wacke gradational with more siliceous fragmental textured rocks (resembling FX - type rocks at KZK) (re:felsic lapilli tuffs). Locally rusty limonitic (ie:weathered after Fe-carbonate and/or finely disseminated pyrite). Minor foliation - parallel streaks and disseminations of pyrite. Local zones of fine, euhedral Fe-carbonate porphroblasts. Foliation @80 deg throughout.
66.90	68.60	SILTSTONE FELSIC TUFF BIOTITE CALCITE SCHIST / FELSIC TUFF Very thinly banded/striped, black/brown and white to grey/white biotite-calcite +/- chlorite schists with minor zones of muscovite chlorite +/- biotite schist (ie: tuffaceous wacke) and more siliceous felsic tuffs (as above) 69.9 - 67.5m : Biotite-calcite schist with inter layered muscovite-chlorite +/- biotite/schist 67.5 - 68.1m : Uniform granular-textured felsic tuff (sharp contacts) 68.1 - 68.6m : Biotite-calcite shist. Foliation 75 deg TCA @68.4m
68.60	69.20	FELSIC LAPILLI TUFF FAULT : Fault zone composed of brecciated to communuted (commonly clay rich) biotitic schistose rocks.
69.20	74.90	MAFIC TUFF SILTSTONE BIOTITE-CALCITE SCHIST / CHLORITE-BIOTITE-CALCITE SCHIST Thinly banded (green/black/white), strongly calcitic unit composed of interlayered biotite -calcite schists (siltites?) and chlorite-biotite-calcite schists (mafic tuffs?). Aplite sills/dykes @71.5 - 71.7m, 72.2 - 72.4m. Syn-kinemitic dolomite porphroblasts common within biotitic-calcite schists. Particularly calcareous zones contain thin (+/- 1cm) medium grain marble bands/lenses. Strongly broken/rubble core @70.8 - 71.3m (possible minor fault zone). Foliation 80 deg TCA @ 69.6 m, 75 deg TCA @80.4m.
74.90	84.40	FELSIC TUFF FELSIC TUFF / TUFFACEOUS WACKE/ BIOTITE-CALCITE SCHIST Massive, very thickly layered unit composed of fine - medium grained, granular textured, moderately siliceous and muscovitic, quartzose rock. Minor biotite content as doarse, very fine biotite porphroblasts. 74.9 - 75.9m : Felsic tuff/ Tuffaceous wacke (as per description above) 75.9 - 76.4m : Biotite-calcite schist with 1-3cm wide medium to coarse grain marble bands/lenses.

From	To	Geological Log
		76.4 - 83.6m : Felsic tuff/Tuffaceous wacke 83.6 - 84.4m : Fragmental textured, felsic lapilli tuff-wacke (includes small fault zone @84.1 - 84.3m). Strong chevron style, symetric (re: m-type) parasitic folding @ 78.7 - 80.0m. Clay rich fault zone @84.1 - 84.3m Rusty limonitic fracture surfaces throughout. Foliation 70 deg TCA @78.0m; 80 deg TCA @84.0m.
84.40	88.40	Sheared Meta-Porphyry (Meta-wacke) MICACEOUS QUARTZITE (META-WACKE? SHEARED PORPHRY?) Medium grey to greenish grey, fine grained, thinly layered/banded, weakly to moderately calcitic, muscovite-biotite +/- chlorite-bearing micaceous quatzite +/- schist.Common quartz carbonate lenses impart pseudo-fragmental texture locally. Variably rusty/limonitic fracture surfaces; also rusty/limonitic zones from partial weathering of ferrous calcite porphroblasts and minor disseminated pyrite. Foliation @ 75 deg TCA throughout. Uncertain protolith. Strongly foliated (sheared?).
88.40	88.70	FELSIC LAPILLI TUFF FAULT : Clay-rich fault gouge with abundant weathered muscovite flakes.
88.70	97.40	Sheared Meta-Porphyry (Meta-wacke) MICACEOUS QUARTZITE (META-WACKE? / SHEARED PORPHRY?) Same rock type as per 84.4 - 88.4m with short zone of calcareous wacke with marble bands @88.7 - 88.8m followed by felsic lapilli tuff @88.8 - 89.1m. Contact between lapilli tuff and micaceous quartzite is probably a fault repeat of same contact at 84.4m. Unit is moderately to very strongly Fe-carbonatized (ferroan calcite) throughout and locally strongly siliceous. Unit is commonly rusty/ limonitic after partly to wholly weathered ferroan calcite porphroblasts/bands and minor pyrite disseminations and rare , very thin (1 - 3mm wide) pyrite bands (eg: @91.8m). Local concentrations of syn-kinematic white dolomite porphroblasts. Strongly broken core @90.3 - 90.6m. Short sections of intensely Fe carbonatized rock (eg: 89.8 - 90.1m). *Uncertain protolith> may either be wacke or possibly a sub-volcanic intrusive; unit is strongly foliated with minor local isoclinal folds indicative of ductile shearing. Less foliated zones suggest possible porphroblastic texture indicative of intrusive rather than sediment protolith. Unit is less siliceous and more micaceous downhole. Foliation : 70 - 75 deg TCA @94.3m; 75 deg TCA 97.3m
97.40	97.50	FELSIC LAPILLI TUFF FAULT : Clay-rich fault gouge (last few cm's of core) E.O.H. @97.5m Hole was abandonedafter several unsucessful attempts at penetrating muddy fault zone.

*** END OF HOLE *** 97.50

APPENDIX 4

STATEMENTS OF EXPENDITURES

STATEMENTS OF EXPENDITURES

KZK PROPERTY

DOMICILE				
12 man days @ $80				960.00
GEOLOGY				
T. J. Bohay	3 man days	July 3-5		780.00
GEOCHEMISTRY				
W. S. Armstrong	3 man days		457.59	
M. W	3 man days		499.20	
R. J. Hamilton	3 man days		519.99	
220 samples			3,941.44	
				5,418.22
HELICOPTER – GEOLOGY/GEOCHEM CREW SUPPORT				
2.5 hrs @ $650/hr				1,625.00
DIAMOND DRILLING				
Drilling Contract	K97-172		23,659.05	
	K97-173		32,920.76	
	K97-174		34,450.24	
	K97-175		37,274.70	
	K97-176		23,968.31	
	K97-177		5,101.02	
	K97-178		27,752.19	
	K97-179	34,678.28		
	HELICOPTER	7,540.00		
			42,218.28	
	K97-180	15,614.05		
	HELICOPTER	4,685.95		
			20,300.00	
	K97-181	11,752.82		
	HELICOPTER	3,512.15		
			15,264.97	
	K97-182		10,710.38	
	K97-183/3A		10,340.96	
	K97-184		6,045.61	
	K97-185		6,740.40	
	K97-186		7,130.81	
	K97-187		7,825.91	
				311,703.59
TOTAL				**320,486.81**

STATEMENTS OF EXPENDITURES

COBB PROPERTY

DOMICILE				
12 man days @ $80				960.00
GEOLOGY				
N. P. O'Brien	5 man days	July 7-10, 12		1,877.80
P. A. MacRobbie	3 man days	July 7, 8, 12		1,210.20
PROSPECTING				
A. B. Mawer	4 man days	July 8-10, 12		1,300.00
HELICOPTER – GEOLOGY CREW SUPPORT				
12.0 hrs @ $650/hr				7,800.00
DIAMOND DRILLING				
Drilling Contract	CO97-01 (57.9 m)		7,253.99	
	CO97-02 (97.5 m)		9,530.55	
				16,784.55
HELICOPTER – DRILL SUPPORT				
21.7 hrs				14,105.00
TOTAL				**44,037.55**

APPENDIX 5

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Paul A. MacRobbie, of 11164 Southridge Road., in the City of Delta, in the Province of British Columbia, do hereby declare:

1. THAT I graduated from Carleton University, Ottawa, Ontario with a B.Sc. in Geology in May, 1986 and a M.Sc. in Geology in June, 1988.

2. THAT I have been actively engaged in mineral exploration in Western Canada as a permanent geologist with Cominco Ltd. since June, 1988.

3. THAT I am a registered member of The Association of Professional Engineers and Geoscientists of the Province of British Columbia.

Date: May, 1998

P.A MacROBBIE, P.Geo
Project Geologist

TAG NORTH GRID

FINLAYSON

Creek

NORTH

RIVER

GRID-GP3L

COBB

500N

400N

400S

00

AXM

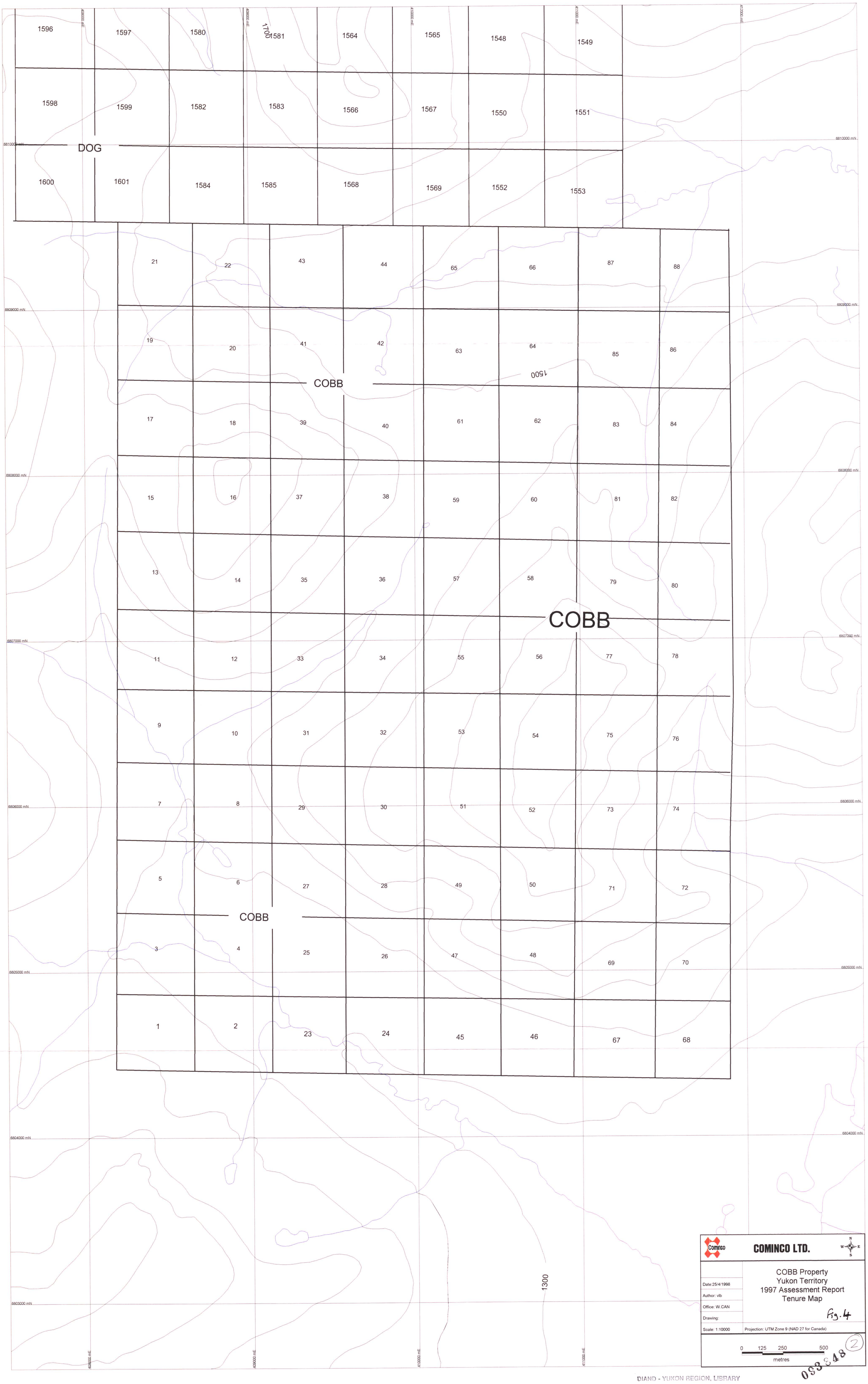
LIMY

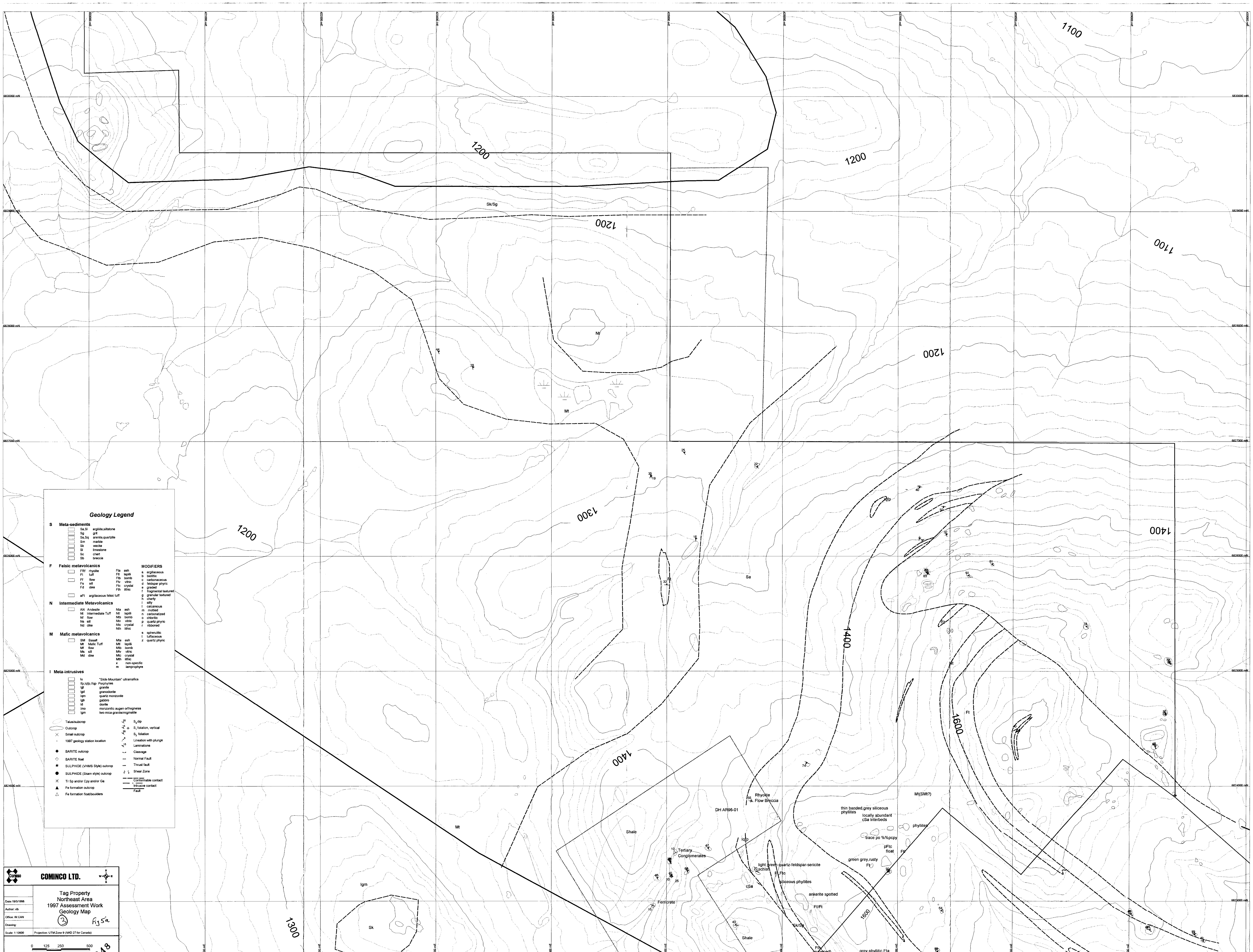
TAG

COMINCO LTD.	
	TAG/Kudz Ze Kayah Property 1997 Assessment Work Yukon Territory Tenure and Grid Locations
Date:25/4/1998	
Author: vlb	
Office: W.CAN	
Drawing:	Fig.3
Scale: 1:30000	Projection: UTM Zone 9 (NAD 27 for Canada)

0 0.5 1 2 kilometres

093C 48





Geology Legend
S Meta-sediments
Sa,Si argillite,siltstone
Sg grit
Ss,Sq arenite,quartzite
Sm marble
Sk wacke
Sl limestone
Sc chert
Sb breccia
F Felsic metavolcanics
FRf rhyolite
Ft tuff
Ff flow
Fs sill
Fd dike
Fta ash
Ftl lapilli
Ftb bomb
Ftv vitric
Ftc crystal
Fth lithic
aFt argillaceous felsic tuff
MODIFIERS
a argillaceous
b biotittic
c carbonaceous
d feldspar phyric
e graded
f fragmental textured
g granular textured
h cherty
i silty
l calcareous
m mottled
n carbonatized
o chloritic
p quartz phyric
r ribboned
s spherulitic
t tuffaceous
z quartz phyric
N Intermediate Metavolcanics
AN Andesite
Nt Intermediate Tuff
Nf flow
Ns sill
Nd dike
Nta ash
Ntl lapilli
Ntb bomb
Ntv vitric
Ntc crystal
Nth lithic
M Mafic metavolcanics
BM Basalt
Mt Mafic Tuff
Mf flow
Ms sill
Md dike
Mta ash
Mtl lapilli
Mtb bomb
Mtv vitric
Mtc crystal
Mth lithic
x non-specific
m lamprophyre
I Meta-intrusives
Iu "Slide Mountain" ultramafics
Ifp,Iqfp,Ifqp Porphyries
Igt granite
Igd granodiorite
Iqm quartz monzonite
Igb gabbro
Id diorite
Imo monzonitic augen orthogneiss
Igm two mica granite/migmatite
Talus/subcrop
Outcrop
Small outcrop
1997 geology station location
BARITE outcrop
BARITE float
SULPHIDE (VHMS Style) outcrop
SULPHIDE (Skarn style) outcrop
Tr Sp and/or Cpy and/or Ga
Fe formation outcrop
Fe formation float/boulders
S0 dip
S1 foliation, vertical
S2 foliation
Lineation with plunge
Laminations
Cleavage
Normal Fault
Thrust fault
Shear Zone
Conformable contact
Intrusive contact
Fault
COMINCO LTD.
Tag Property
Northeast Area
1997 Assessment Work
Geology Map
3
Fig 5a
Date:19/5/1998
Author: vlb
Office: W.CAN
Drawing:
Scale: 1:10000
Projection: UTM Zone 9 (NAD 27 for Canada)
0 125 250 500
metres
093848
420000 mE
421000 mE
422000 mE
423000 mE
424000 mE
425000 mE
426000 mE
427000 mE
428000 mE
429000 mE
430000 mE
6830000 mN
6829000 mN
6828000 mN
6827000 mN
6826000 mN
6825000 mN
6824000 mN
6823000 mN
1100
1200
1300
1400
1600
Sk/Sg
Nt
Mt
Sa
Ft
Igm
Sk
Ifp
Shale
DH AR96-01
Rhyolite
Flow Breccia
Iqfp
Tertiary
Conglomerates
light green quartz-feldspar-sericite schist
Ft,Ftc
siliceous phyllites
cSa
ankerite spotted
Ff/Ft
Ferricrete
Sk/Sg
Ftc (augened)
grey phyllitic Fta
Mt(SMt?)
thin banded,grey siliceous phyllites
locally abundant cSa interbeds
phyllites
trace po %%pcpy
pFtc float
green grey,rusty Ft

COMINCO LTD.

Tag/Plate/Home/KZK Properties
Geochemical Sampling
Locations
1997 Work -- Soil Samples

Date:27/4/1998
Author: vlb
Office: W.CAN
Drawing:

(4) Fig 5b

Scale: 1:20000
Projection: UTM Zone 9 (NAD 83)

0 250 500 1000
metres

093S48

6817000 mN

6816000 mN

6815000 mN

6814000 mN

97-172

97-176

97-174

97-177

97-175

97-173

97-178

97-179

K97-180

KZ97-186

KZ97-187

KZ97-185

KZ97-181

KZ97-184

KZ97-183

KZ97-183A

K97-182

Cominco

COMINCO LTD.

Tag/Plate/Home/KZK Properties
1997 Drill Hole Collars
Yukon Property

Fig. 6

Date: 27/4/1998

Author:

Office: W.CAN

Drawing:

Scale: 1:5000

Projection: UTM Zone 9 (NAD 83)

0 75 150 300

metres

093E 43

13366775 mN | 2293875 mE | 13366800 mN | 13366825 mN | 13366850 mN | 13366875 mN | 2293900 mE | 13366900 mN | 13366925 mN | 13366950 mN | 2293925 mE | 13366975 mN | 13367000 mN

97-172

1375 mRL
1350 mRL
1325 mRL
1300 mRL
1275 mRL
1250 mRL
1225 mRL
1200 mRL
1175 mRL
1150 mRL
1125 mRL
1100 mRL
1075 mRL
1050 mRL
1025 mRL

OVB
SZ
10
FTCZ
20
FTA
MD
FTL
30
FTCZ
40
FTL
MD
FTA
50
SX
60
FXXF
MTAB
70
FXXF
AT
CJ
80
FXXF
MD
FXXF
MD
SX
90
FXXF
SX
100
FXXF
110
FXXF
FXXF
FLT
120
FXXF
130
FLT
FXXF
MD
140
FX
150
FLT
160
FZXG
FY
170
FZXR
FLT
180
FZXF
FLT
190
FZXR
FLT
FZXR
200
FLT
FYXR
FZXF
210
FZXG
220
230
ATW
240
AT
FLT
250
AT
AP
260
FPXZ
MD
270
FP
280
FXXF
FP
MD
MD
290
FP
300
MD
FXXF
FP
MD
310
320
330
FP
340
349.6m

Cominco | COMINCO LTD.

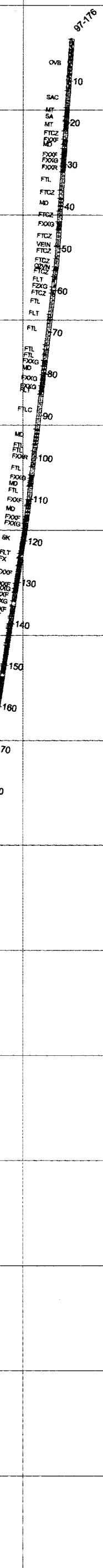
Date 1/5/1998
Author vb
Office W.CAN
Drawing
Scale 1:1000
Projection Non-Earth (meters)

Tag/KZK
97-172
1997
(b)
fig 7.

0 10 20 40
metres

-75 mN | -50 mN | -25 mN | 0 mN | 25 mN | 50 mN | 75 mN | 100 mN | 125 mN | 150 mN | 175 mN

1400 mRL
1375 mRL
1350 mRL
1325 mRL
1300 mRL
1275 mRL
1250 mRL
1225 mRL
1200 mRL
1175 mRL
1150 mRL
1125 mRL
1100 mRL
1075 mRL
1050 mRL
1025 mRL



-50 mN | -25 mN | 0 mN | 25 mN | 50 mN | 75 mN | 100 mN | 125 mN

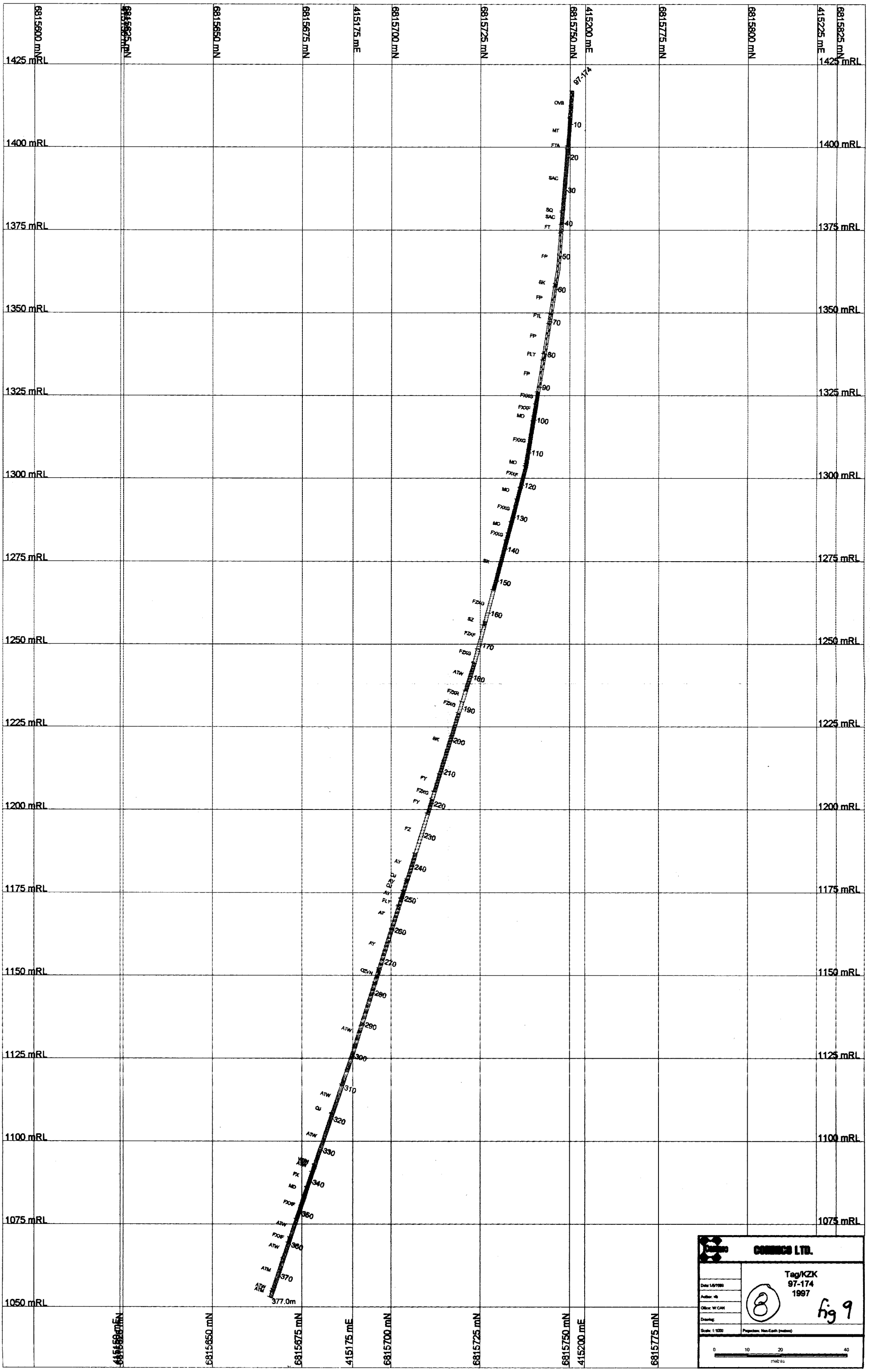
COMINCO LTD.

Tag/KZK
97-176
1997

fig 8

Date: 1/5/1998
Author: vib
Office: W.CAN
Drawing:
Scale: 1:1000
Projection: Non-Earth (meters)

0 10 20 40
metres



6815075 mN
415200 mE
6815100 mN
6815125 mN
6815150 mN
415225 mE
6815175 mN
6815200 mN
6815225 mN
6815250 mN
415250 mE
6815275 mN
6815300 mN

1475 mRL
1450 mRL
1425 mRL
1400 mRL
1375 mRL
1350 mRL
1325 mRL
1300 mRL
1275 mRL
1250 mRL
1225 mRL
1200 mRL
1175 mRL
1150 mRL
1125 mRL
1100 mRL

97-178
97-173
359.7m
291.4m

COMINCO LTD.

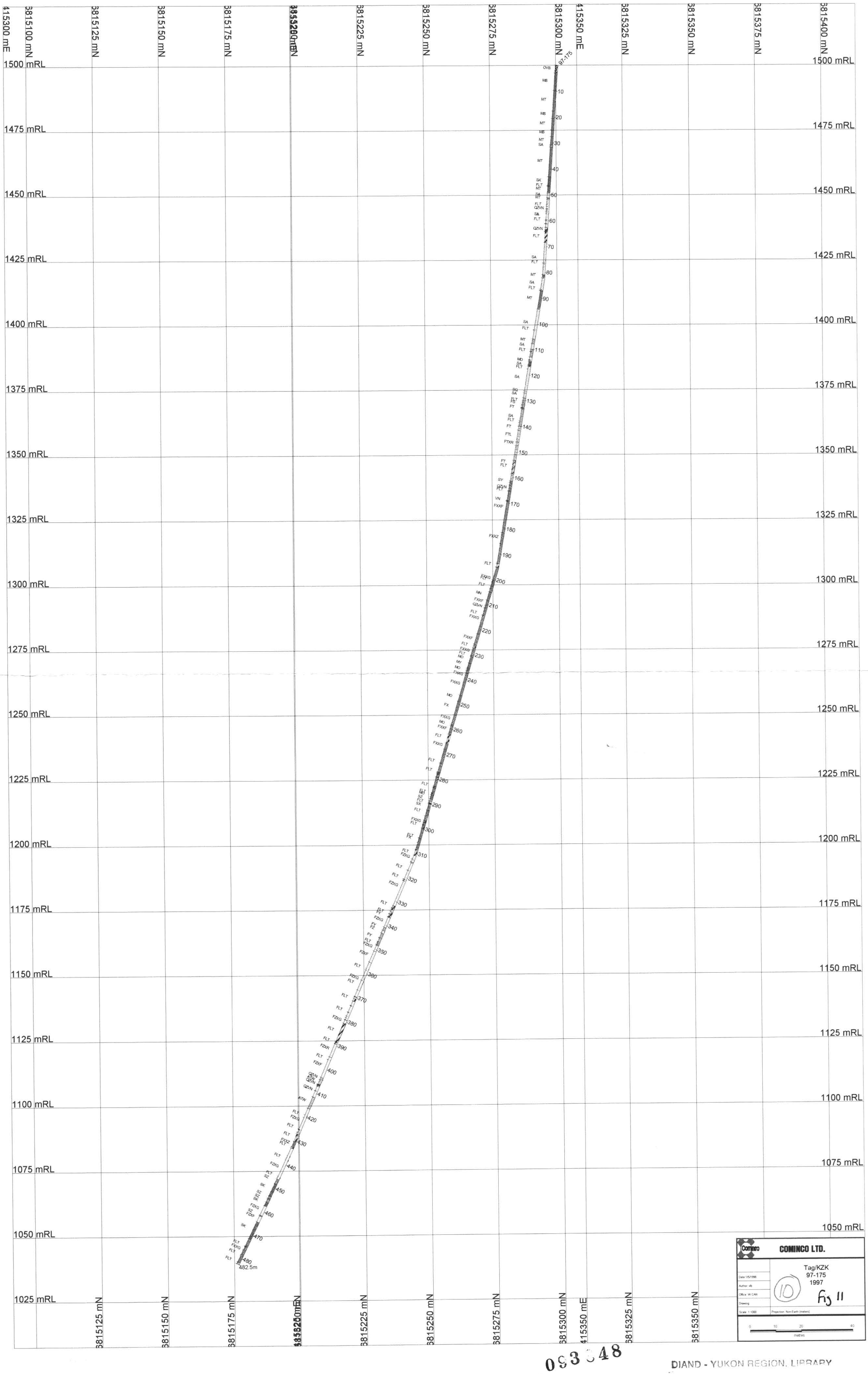
Tag/KZK
97-173 & 97-198
1997
(9)
Fig 10

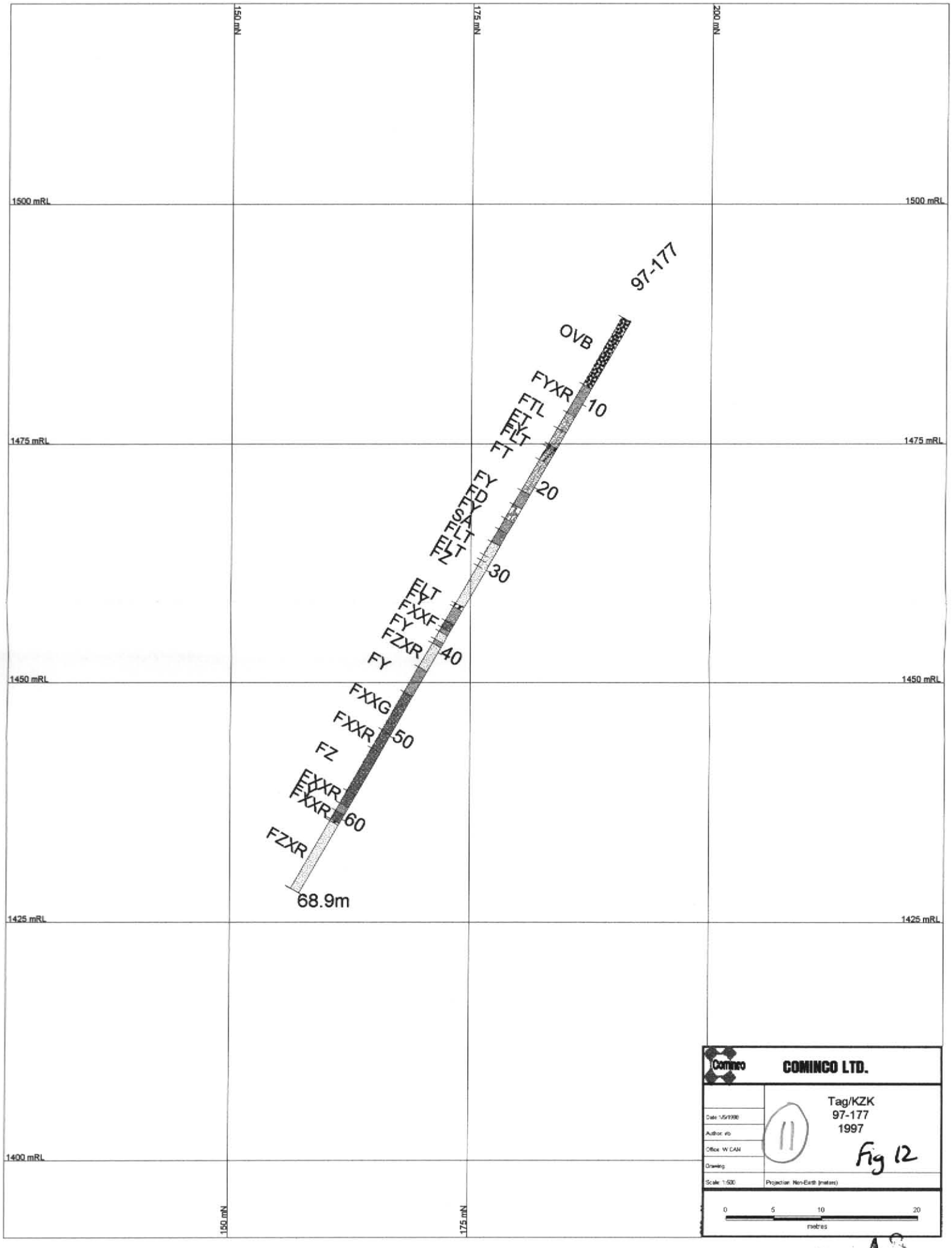
Date: 1/5/1998
Author: vlb
Office: W.CAN
Drawing:
Scale: 1:1000
Projection: Non-Earth [meters]

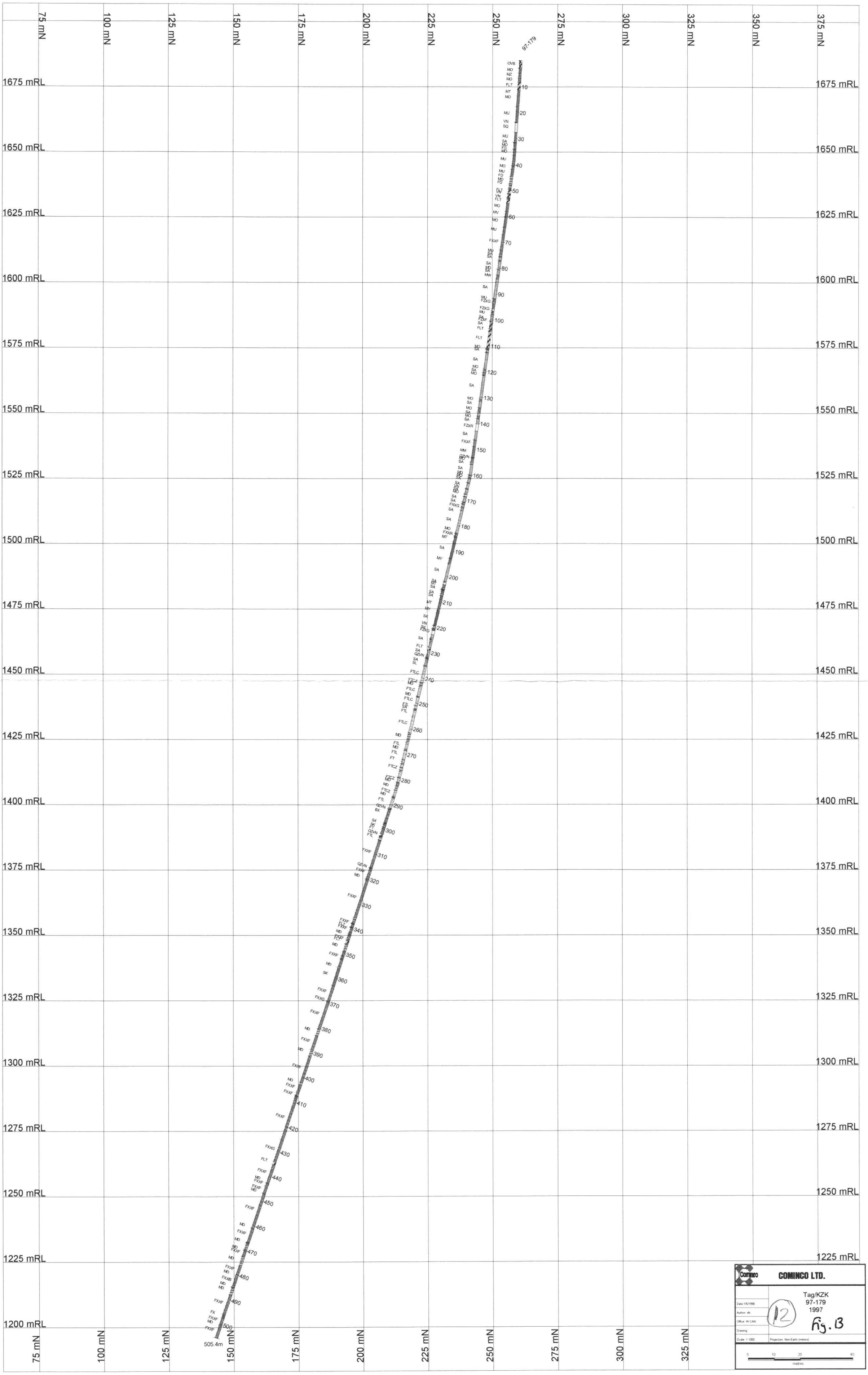
0 10 20 40

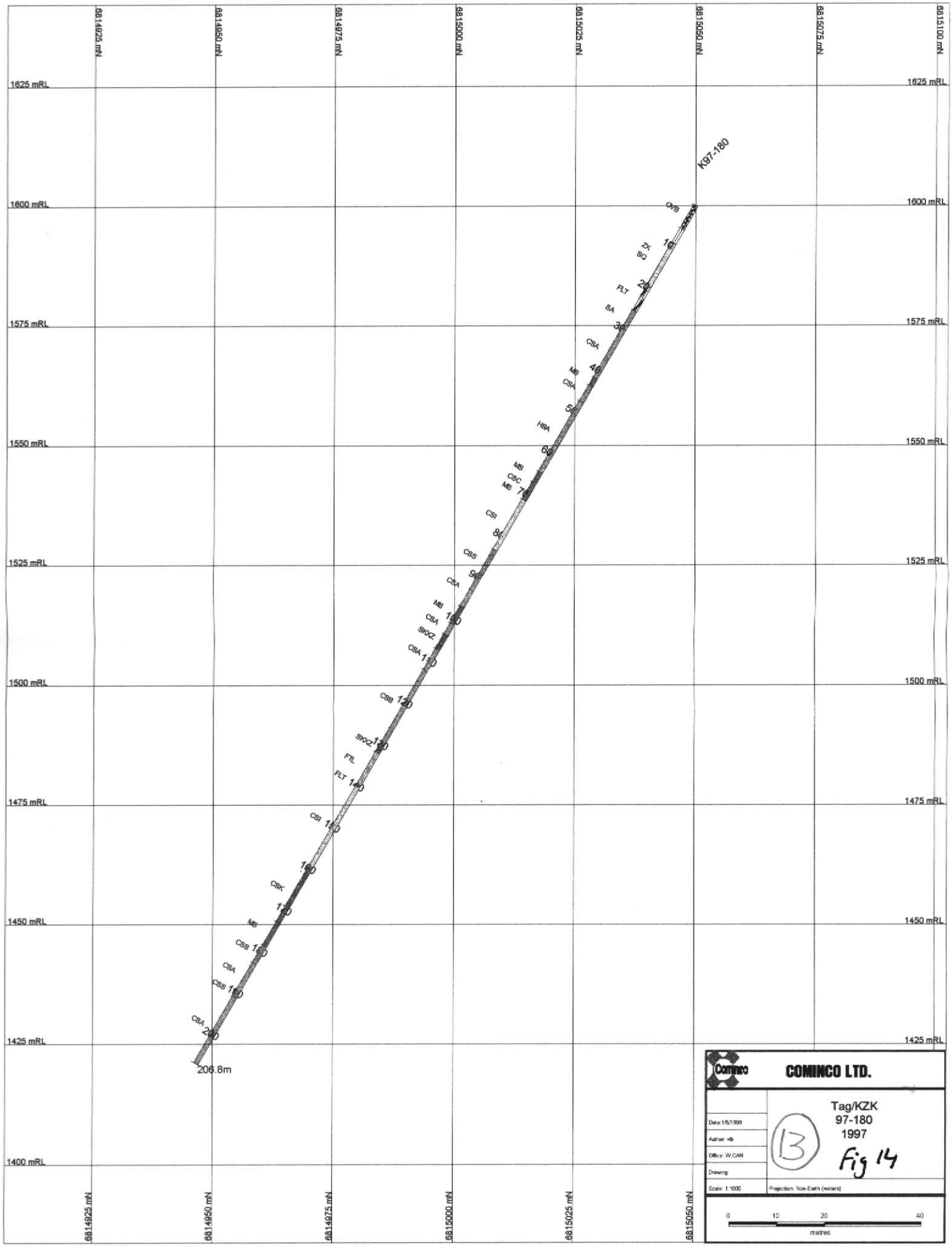
6815075 mN
415200 mE
6815100 mN
6815125 mN
6815150 mN
415225 mE
6815175 mN
6815200 mN
6815225 mN
6815250 mN

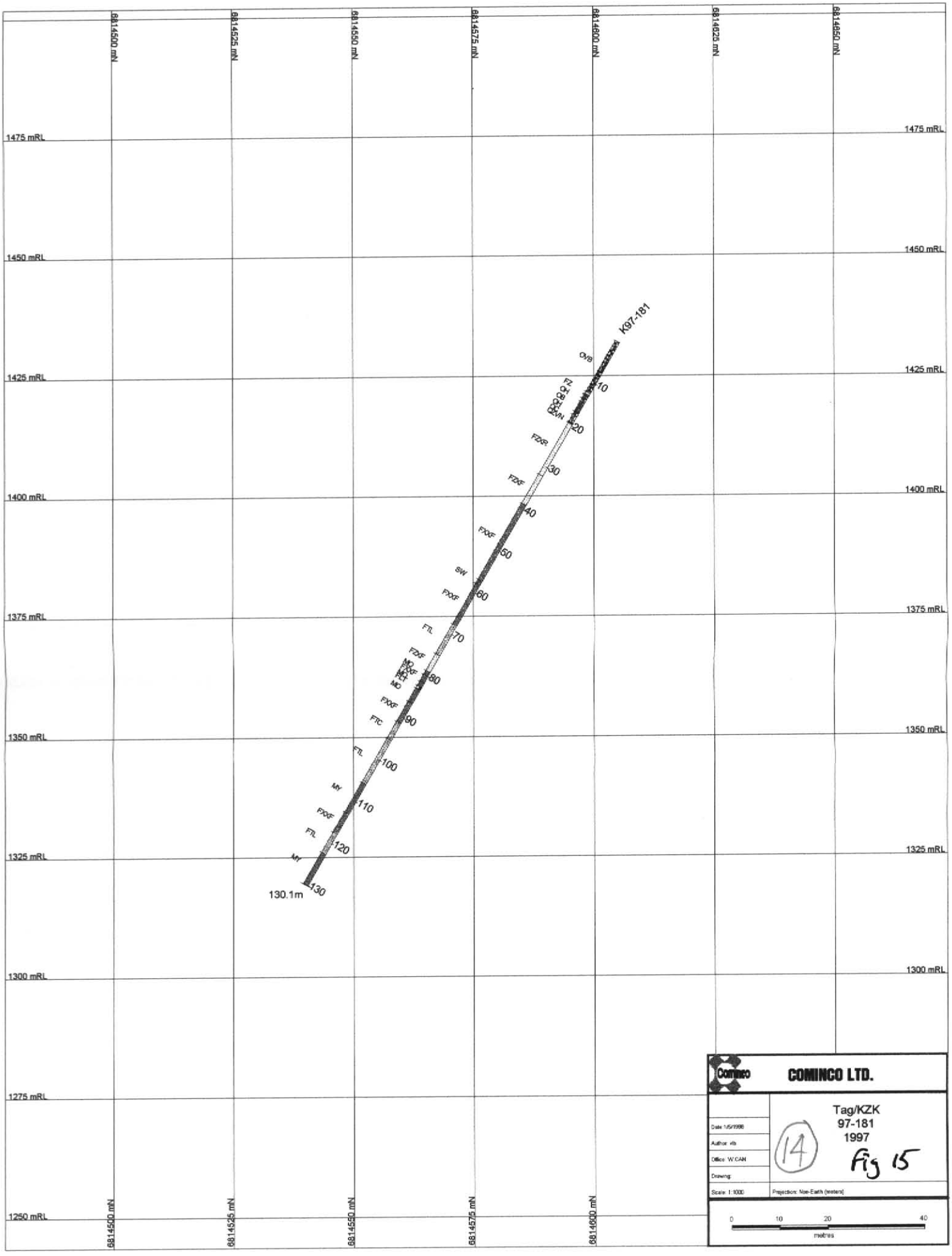
093843

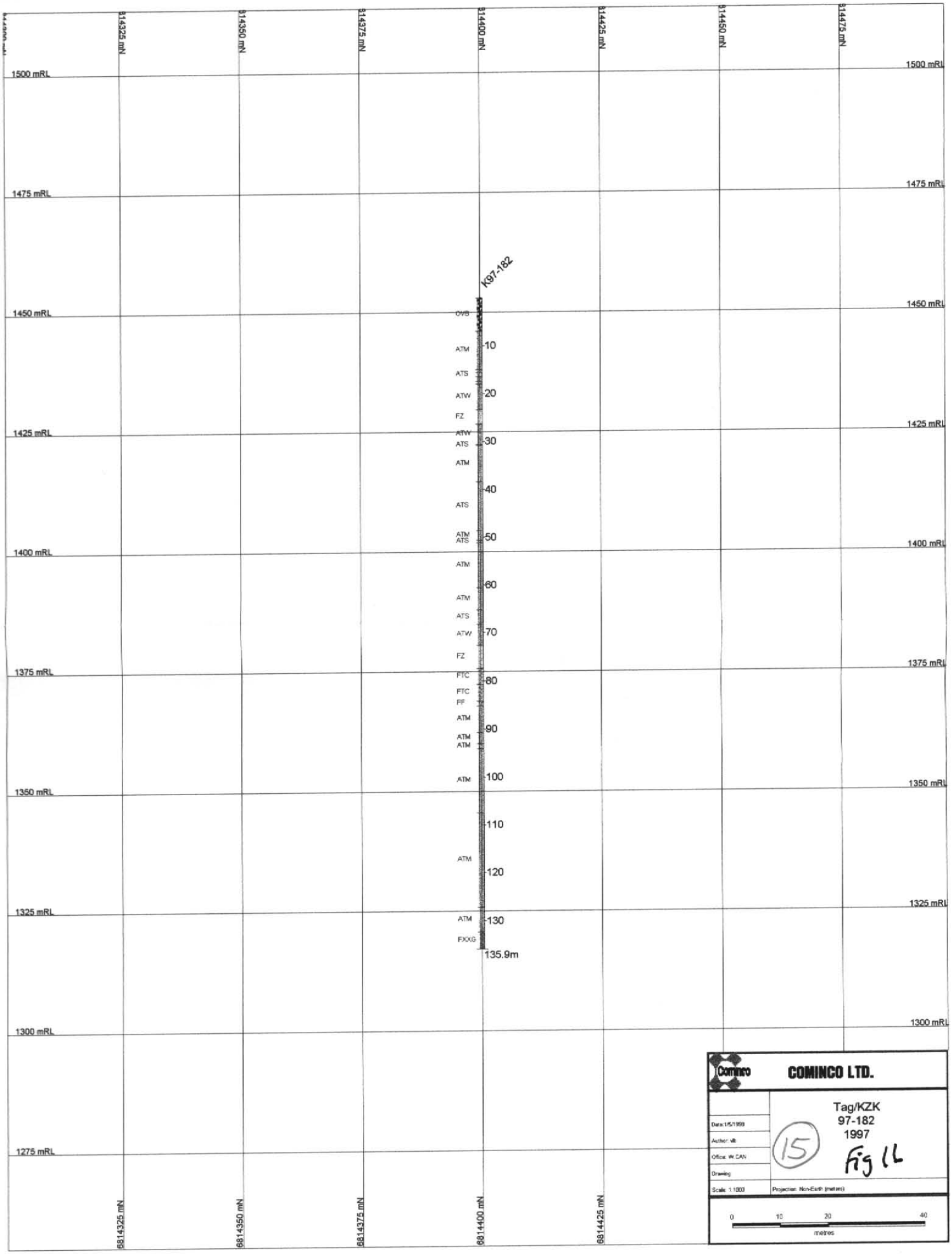


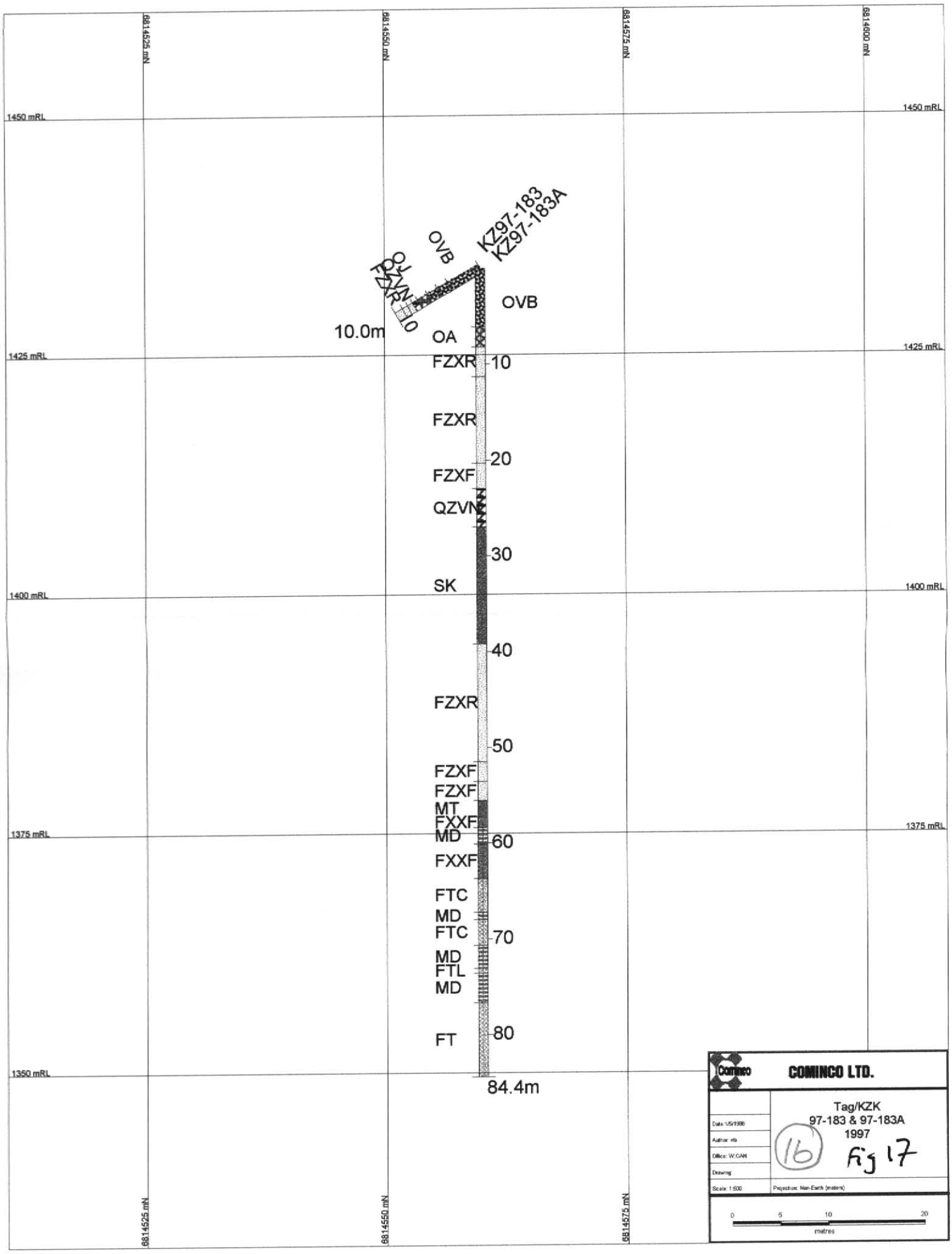


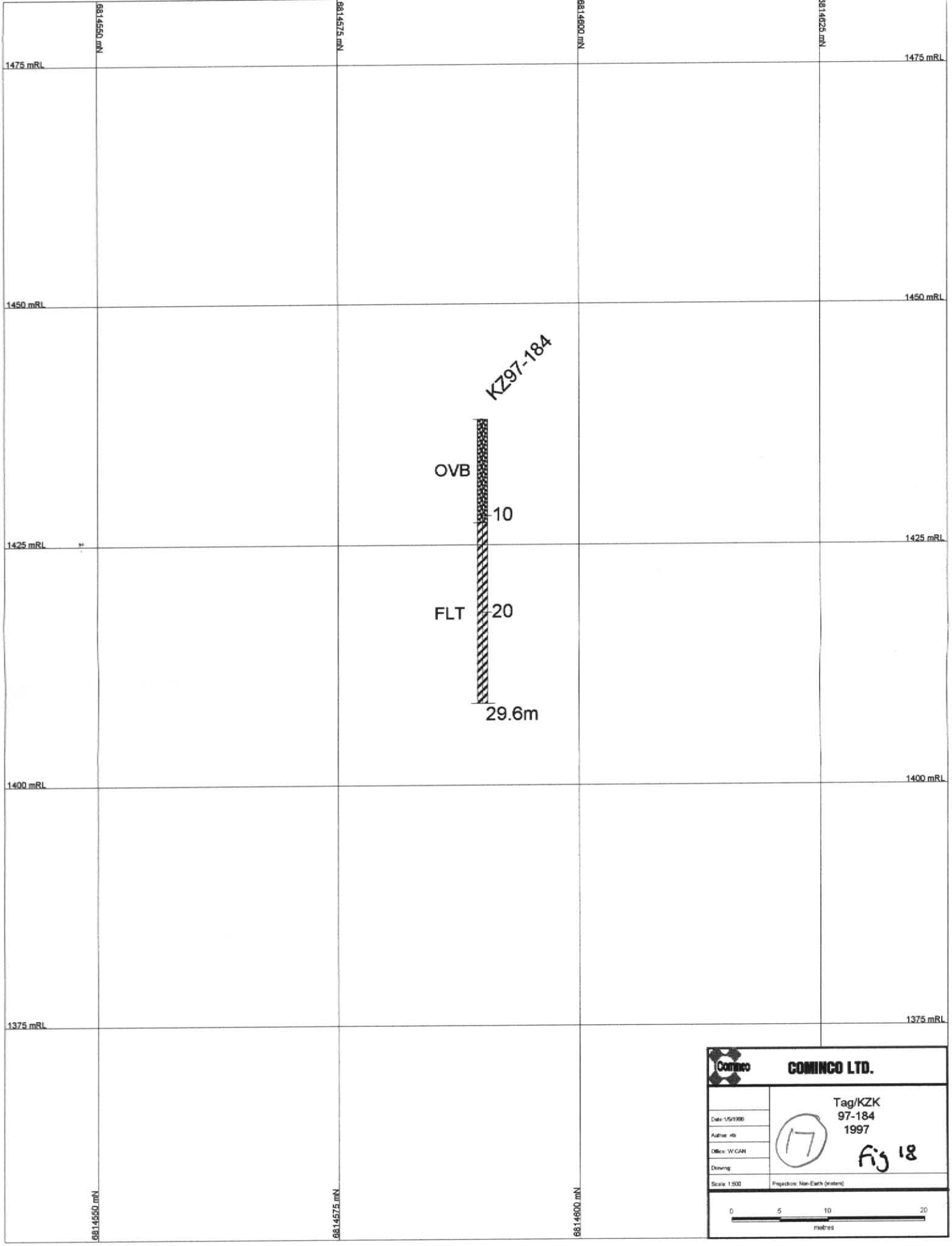


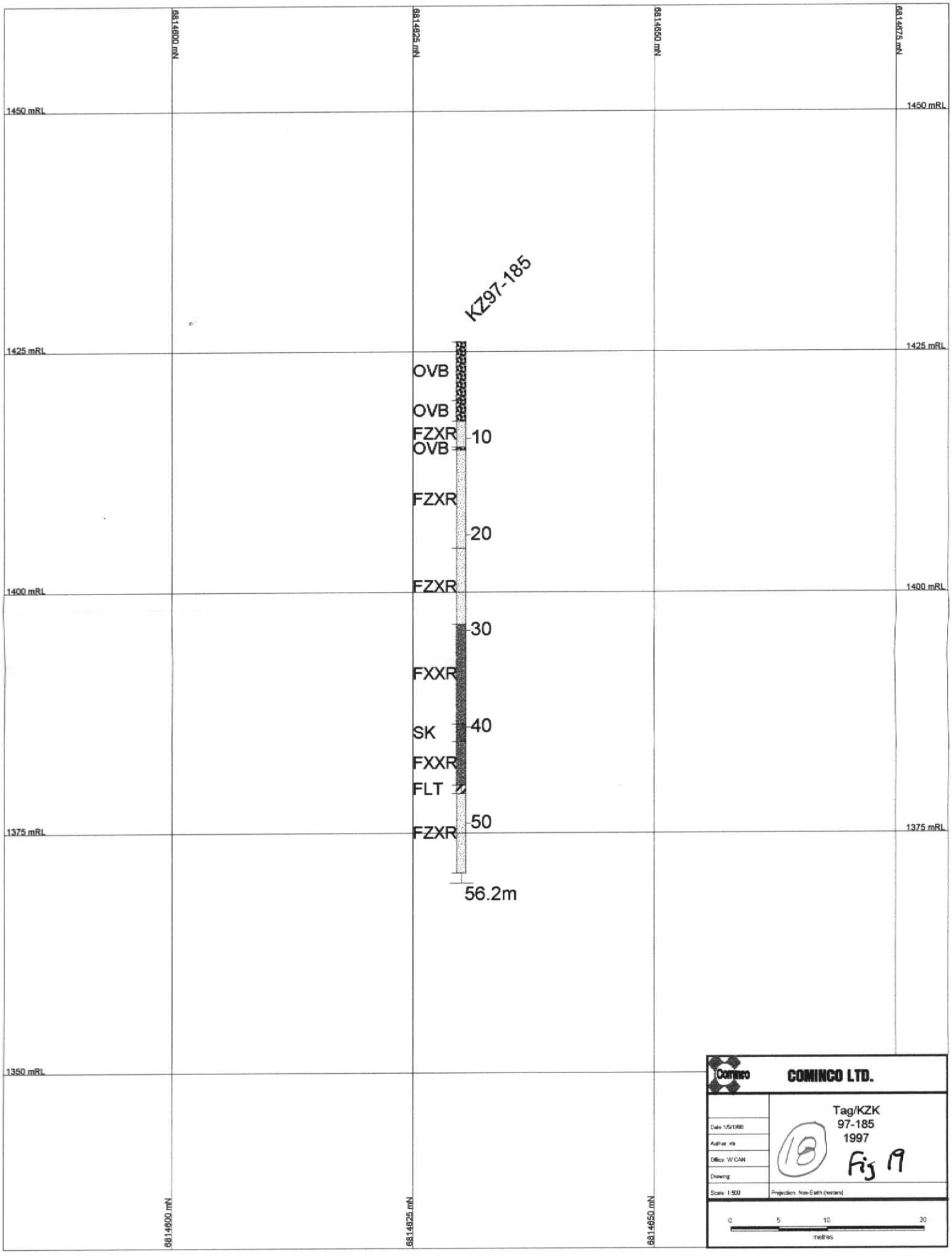


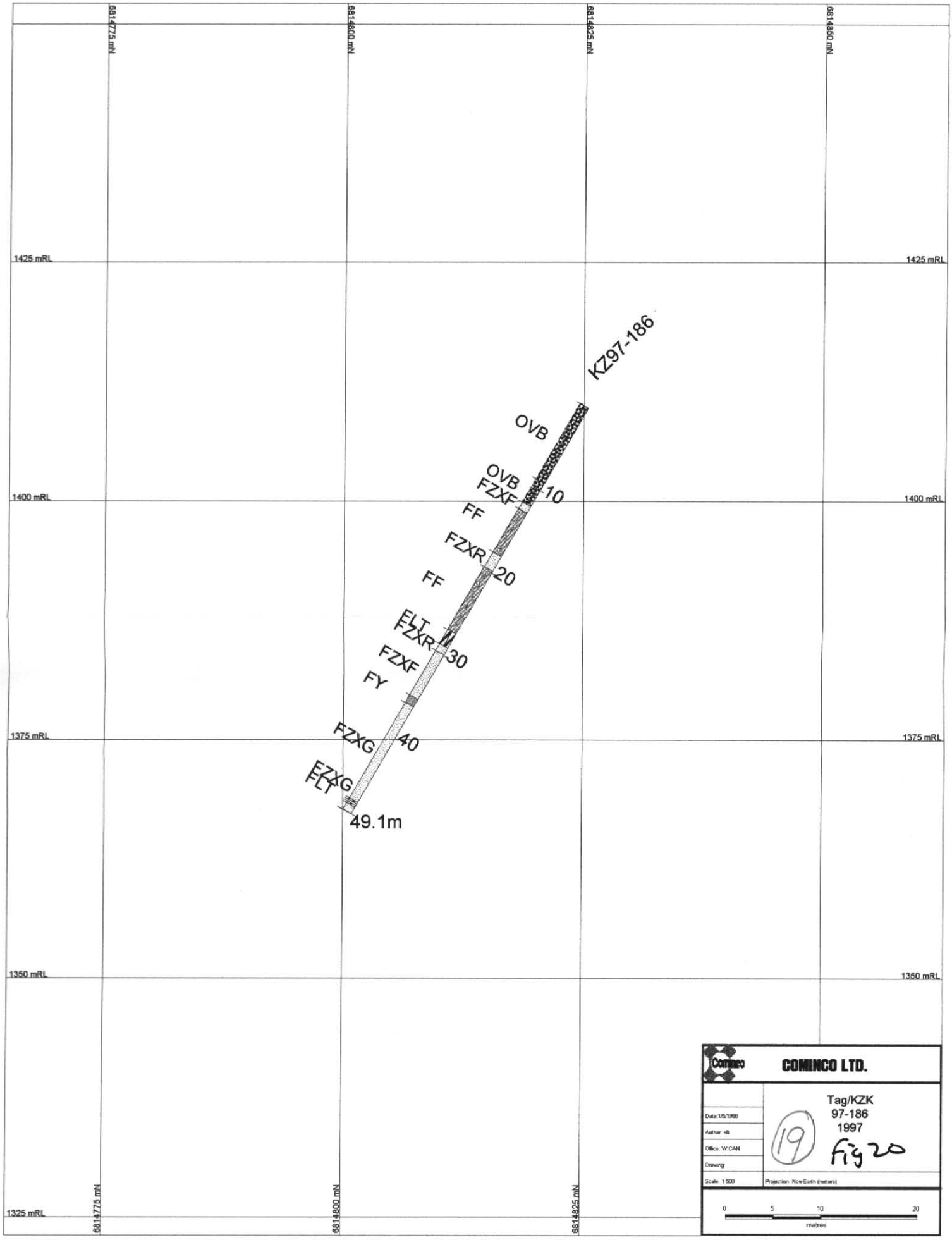

6814500 mN
6814525 mN
6814550 mN
6814575 mN
6814600 mN
6814625 mN
6814650 mN
1475 mRL
1450 mRL
1425 mRL
1400 mRL
1375 mRL
1350 mRL
1325 mRL
1300 mRL
1275 mRL
1250 mRL
K97-181
OVB
ZLB
FZXF
FXXF
SW
FTL
MD
FTC
MY
MT
10
20
30
40
50
60
70
80
90
100
110
120
130
130.1m
Cominco
COMINCO LTD.
Date: 1/5/1998
Author: vb
Office: W.CAN
Drawing:
Scale: 1:1000
Projection: Non-Earth (meters)
Tag/KZK
97-181
1997
14
Fig 15
0
10
20
40
metres

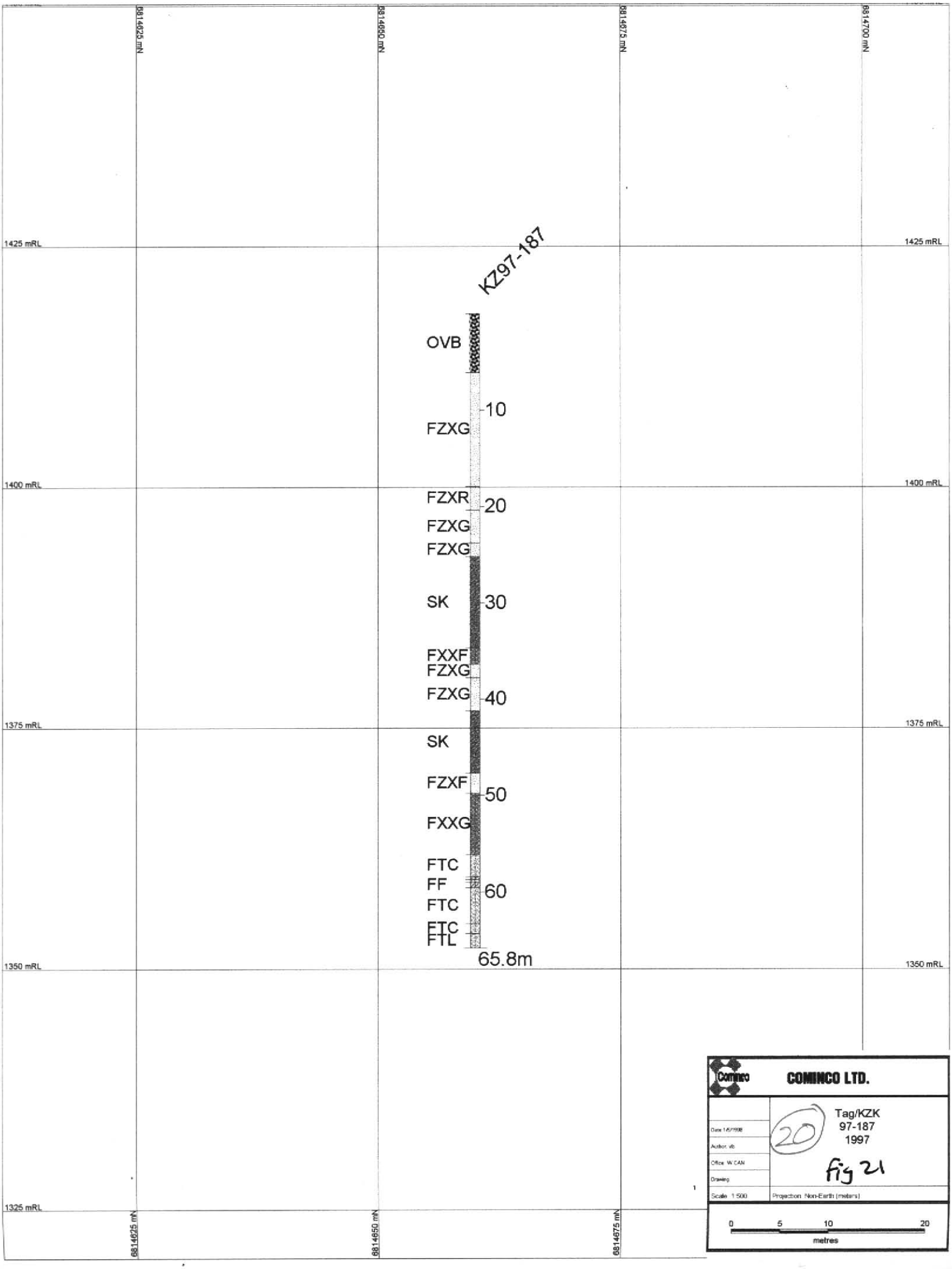












Cominco **COMINCO LTD.**

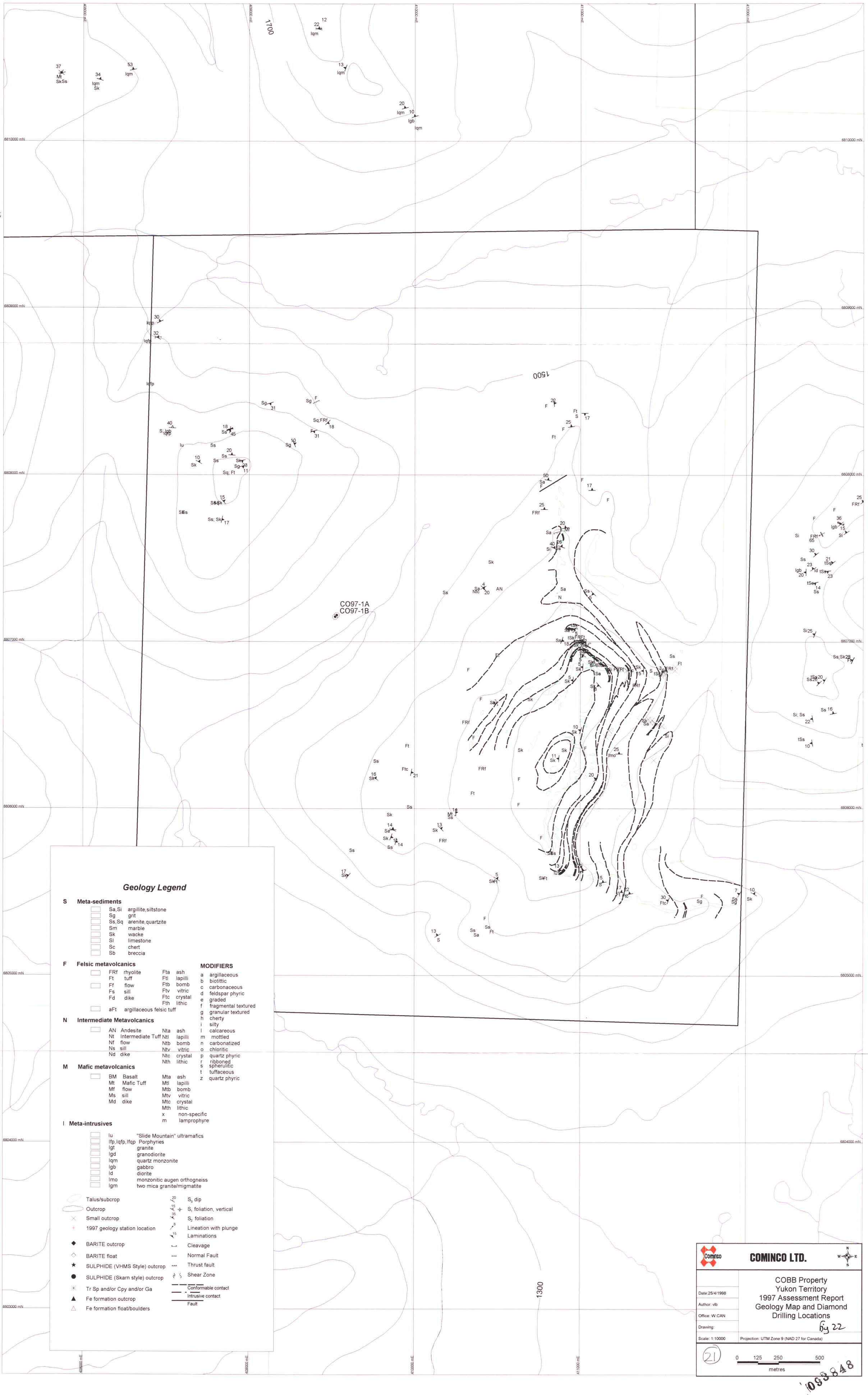
Date: 1/5/1998
Author: vb
Office: W.CAN
Drawing:
Scale: 1:500
Projection: Non-Earth (meters)

Tag/KZK
97-187
1997

20

fig 21

0 5 10 20
metres



Geology Legend

S Meta-sediments

Sa,Si	argillite,siltstone
Sg	grit
Ss,Sq	arenite,quartzite
Sm	marble
Sk	wacke
Sl	limestone
Sc	chert
Sb	breccia

F Felsic metavolcanics

FRf	rhyolite	Fta	ash
Ft	tuff	Ftl	lapilli
Ff	flow	Ftb	bomb
Fs	sill	Ftv	vitric
Fd	dike	Ftc	crystal
		Fth	lithic
aFt	argillaceous felsic tuff		

N Intermediate Metavolcanics

AN	Andesite	Nta	ash
Nt	Intermediate Tuff	Ntl	lapilli
Nf	flow	Ntb	bomb
Ns	sill	Ntv	vitric
Nd	dike	Ntc	crystal
		Nth	lithic

M Mafic metavolcanics

BM	Basalt	Mta	ash
Mt	Mafic Tuff	Mtl	lapilli
Mf	flow	Mtb	bomb
Ms	sill	Mtv	vitric
Md	dike	Mtc	crystal
		Mth	lithic
		x	non-specific
		m	lamprophyre

I Meta-intrusives

Iu	"Slide Mountain" ultramafics
Ifp,Iqfp,Ifqp	Porphyries
Igt	granite
Igd	granodiorite
Iqm	quartz monzonite
Igb	gabbro
Id	diorite
Imo	monzonitic augen orthogneiss
Igm	two mica granite/migmatite

MODIFIERS

a	argillaceous
b	biotittic
c	carbonaceous
d	feldspar phyric
e	graded
f	fragmental textured
g	granular textured
h	cherty
i	silty
l	calcareous
m	mottled
n	carbonatized
o	chloritic
p	quartz phyric
r	ribboned
s	spherulitic
t	tuffaceous
z	quartz phyric

- Talus/subcrop
- Outcrop
- Small outcrop
- 1997 geology station location
- BARITE outcrop
- BARITE float
- SULPHIDE (VHMS Style) outcrop
- SULPHIDE (Skarn style) outcrop
- Tr Sp and/or Cpy and/or Ga
- Fe formation outcrop
- Fe formation float/boulders

- S_0 dip
- S_1 foliation, vertical
- S_2 foliation
- Lineation with plunge
- Laminations
- Cleavage
- Normal Fault
- Thrust fault
- Shear Zone
- Conformable contact
- Intrusive contact
- Fault

Cominco **COMINCO LTD.**

COBB Property
Yukon Territory
1997 Assessment Report
Geology Map and Diamond Drilling Locations
fig 22

Date:25/4/1998
Author: vlb
Office: W.CAN
Drawing:
Scale: 1:10000
Projection: UTM Zone 9 (NAD 27 for Canada)

21

0 125 250 500
metres

093848