093432

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
DEC 1 1 1995
WHITEHORSE
YUKON TERRITORY

COMINCO LTD.

EXPLORATION **WESTERN CANADA**

NTS: 105G/7 **NOVEMBER, 1995**

ASSESSMENT REPORT

KUDZ ZE KAYAH PROPERTY

TAG CLAIMS

DIAMOND DRILLING

WATSON LAKE M.D., Y.T.

RECEIVED
NOV 30 1995
MINING RECORDER
WATSON LAKE, Y.T.
I.N.A.C.

LATITUDE: 61° 30' N **LONGITUDE: 130° 40' W**

FIELD WORK PERFORMED: APRIL 13, 1995 THROUGH SEPTEMBER 2, 1995

ON TAG 17,18, 22, 23, 69, 99, 109, 111 AND 112 MINERAL CLAIMS

REPORT BY: H.C. SCHULTZE

Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

5 December, 1995

Your file Votre référence

Our file Notre référence

REGIONAL MANAGER MINERAL RIGHTS

Enclosed are Drill Logs etc. submitted by Cominco Exploration for assessment credit on the TAG, HOME, PLATE and COBB mineral claims located on 105-G-07/08/09/10.

Drilling was as follows:

95-76	TAG 18	169.5 m (NQ)	95-150	TAG 18	178.9 m (NQ)
95-105	TAG 22	154.2 m (NQ)	95-153	TAG 18	172.8 m (NQ)
95-106	TAG 22	157.6 m (NQ)	95-157	TAG 18	172.8 m (NQ)
95-109	TAG 22	212.1 m (NQ)	95-159	TAG 18	189.9 m (NQ)
95-113	TAG 22	221.3 m (NQ)	95-160	TAG 18	170.0 m (NQ)
95-114	TAG 22	217.3 m (NQ)	95-161	TAG 17	540.1 m (NQ)
95-115	TAG 22	148.1 m (NQ)	95-162	TAG 112	75.3 m (NQ)
95-116	TAG 22	46.3 m (NQ)	95-163	TAG 111	45.1 m (NQ)
95-116A	TAG 22	129.5 m (NQ/HQ)	95-164	TAG 109	90.5 m (NQ)
95-117	TAG 22	172.5 m (NQ)	95-165	TAG 69	86.7 m (NQ)
95-146	TAG 17	258.2 m (NQ)	95-166	TAG 99	68.6 m (NQ)
95-147	TAG 18	139.9 m (NQ)	95-168	TAG 17	171.0 m (HQ)
95-148	TAG 18	181.7 m (NQ)	95-169	TAG 17	157.0 m (HQ)
95-149	TAG 18	210.0 m (NQ)	95-170	TAG 137	442.0 m (NQ/HQ)

TOTAL 4,926.7 m

Assessment credit requested is $ 340,000.00. All NQ core is stored on site and all HQ core was sent for bulk sample analysis.

Yours truly,

Patti L. McLeod
Mining Recorder
Watson Lake Miing District
P. O. Box 269
Watson Lake, Yukon
Y0A 1C0

NJM
encl.(s)

cc: CHIEF GEOLOGIST

Canada

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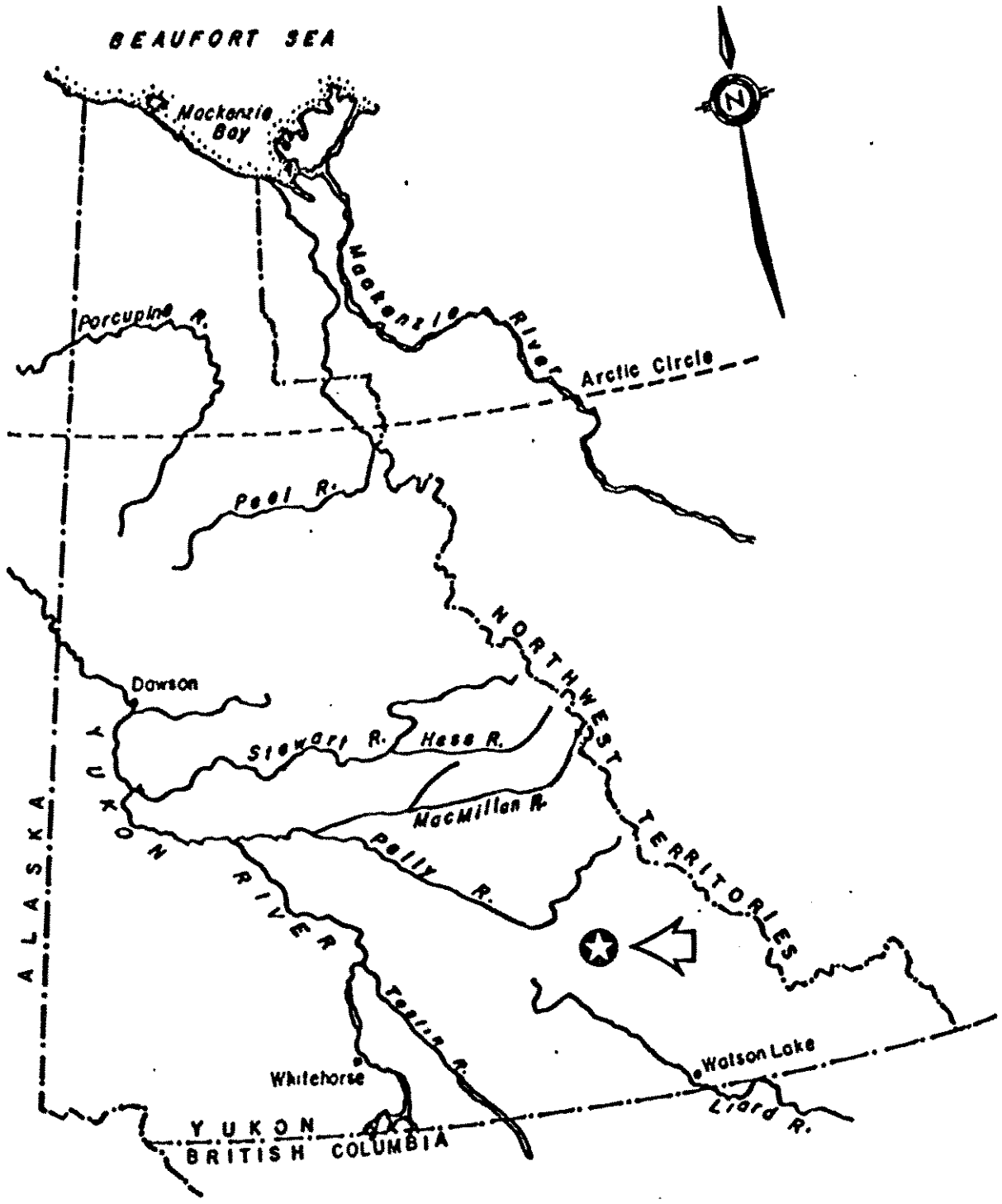
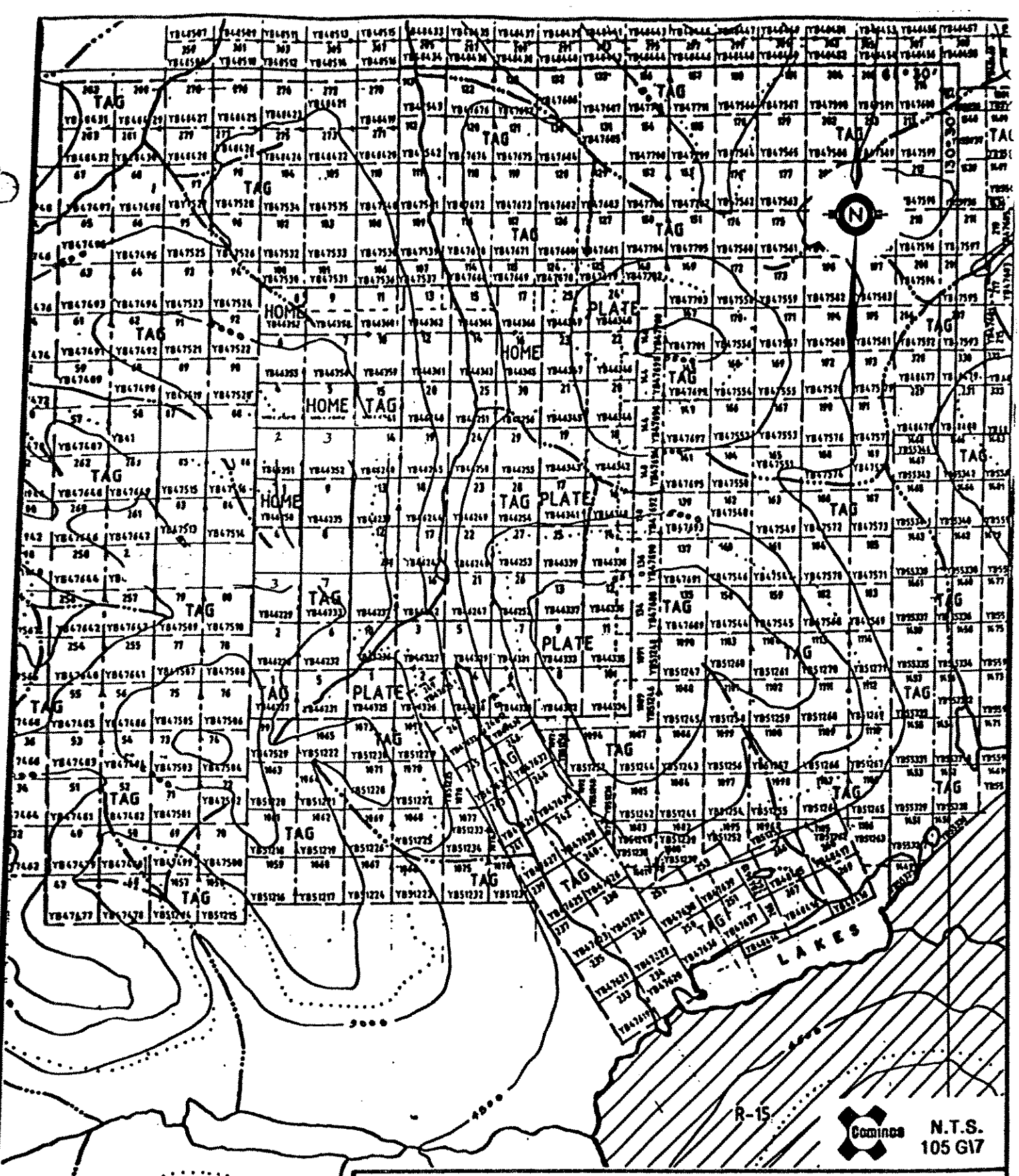


TAG PROPERTY LOCATION

Scale: 1 : 6,000,000	Date: JUNE 1995	Fig: 1



TAG CLAIM MAP

Scale:	1:50,000	Date:	JUNE 1995	Fig:	2

TABLE OF CONTENTS

	Page
SUMMARY	1
LOCATION AND ACCESS	1
TENURE	1
HISTORY	1
GEOLOGY	2
DIAMOND DRILLING	2
CONCLUSIONS	3

FIGURES

FIGURE 1. PROPERTY LOCATION
FIGURE 2. CLAIM MAP

APPENDICES

APPENDIX A STATEMENT OF EXPENDITURES
APPENDIX B STATEMENT OF QUALIFICATIONS
APPENDIX C AFFIDAVIT
APPENDIX D DRILL LOGS
APPENDIX E GEOCHEMISTRY

PLATES IN POCKET

1.	LEGEND	
2.	COLLAR PLAN	1:1,000
3.	SECTION 4750	1:1,000
4.	SECTION 4800	1:1,000
5.	SECTION 4850	1:1,000
6.	SECTION 4900	1:1,000
7.	SECTION 4950	1:1,000
8.	SECTION 5000	1:1,000

9.	SECTION 5100	1:1,000
10.	SECTION 5200	1:1,000
11.	SECTION 5250	1:1,000
12.	SECTION 5300	1:1,000
13.	SECTION 5400	1:1,000
14.	DRILL HOLE 95-162	1:1,000
15.	DRILL HOLE 95-163	1:1,000
16.	DRILL HOLE 95-164	1:1,000
17.	DRILL HOLE 95-165	1:1,000
18.	DRILL HOLE 95-166	1:1,000
19.	DRILL HOLE 95-168	1:1,000
20.	DRILL HOLE 95-169	1:1,000
21.	DRILL HOLE 95-170	1:1,000

COMINCO LTD.

EXPLORATION **WESTERN CANADA**

SUMMARY

The Kudz Ze Kayah property, site of Cominco's ABM deposit, is located in the Pelly Mountains of southeast Yukon roughly 200 km northwest of Watson Lake, Y.T. Access in 1995 was by all wheel drive vehicles along a winter road in the spring, by helicopter through most of the summer and by all wheel drive vehicles along the tote road in the late summer. The claims are owned 100% by Cominco Ltd and were staked in 1993 and 1994. The property is underlain by metamorphic sedimentary, volcanic, and igneous rocks of the Yukon-Tanana terrane. Twenty eight diamond drill holes totalling 4,925.5 metres drilled during April, May, June and August, 1995 are the subject of this report.

LOCATION AND ACCESS

The property is located within the Pelly Mountains of southeast Yukon at latitude 61° 28' N and 130° 36' W within the Watson Lake mining District. The drill area occurs within an unnamed mountain pass at 1400 m elevation 20 km south of the all season Robert Campbell gravel highway near Finlayson Lake (1000 m elevation). Topography between the property and highway is gentle and gradually declines from the property elevation to the road 20 km distant. Mountains flanking the pass rise to 2000 metres in elevation. The area was glaciated historically.

Access in 1995 was achieved by helicopter and all wheel drive vehicles. Lakes amenable for small planes with floats occur on the property while a seasonal airstrip exists roughly forty km north-northwest of the property at the north end of Finlayson Lake. An all weather road was completed in August, 1995, and access to the property can be gained by motor vehicle all year round.

TENURE

The claims are owned 100% by Cominco Ltd.

HISTORY

Cominco's interest in the area was heightened in 1992 when soil and silt sample results from a Cominco regional exploration program that year confirmed and expanded upon an

anomalous silt sample released in GSC Open File 1648. In 1993 a small follow-up program comprising soil sampling, prospecting, and selective geological traverses resulted in the discovery of a well mineralized, banded, sulphide cobble within glacial till in the anomalous drainage and recognition of potential host rocks.

Reconnaissance geophysical surveys were immediately implemented over the inferred trace of the prospective units beneath the glacial till and successfully identified a 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.

The target was drilled in April, 1994 with the first hole completed on April 20 intersecting 22.5 metres of mineralized sulphide rock. Fifty one more holes were drilled through the summer of 1994, outlining a significant ore body.

GEOLOGY

The property is underlain by lower to upper greenschist rank, deformed metamorphic rocks belonging to the Yukon-Tanana Terrane. Rock types found on the property include metamorphic equivalents of quartzitic sandstones, mudstones, carbonaceous mudstones, calcareous mudstones, carbonaceous limestones, basaltic to rhyolitic volcanics, and granitoid intrusives. Units trend roughly east-west, dip gently northward (10 - 35 degrees), and exhibit compositional layering parallel to a pervasive foliation. The ABM deposit is hosted within the felsic volcanic sequence. The rocks which host the deposit are folded and locally overturned, and exhibit chlorite, sericite, carbonate and silica alteration phases.

DIAMOND DRILLING

In 1995 one hundred and sixteen NQ diameter and fifteen HQ diamond drill holes were drilled in and about the ABM deposit. Fifteen HQ holes were drilled down the dip of the ore for bulk sampling purposes, while seven NQ holes tested other geophysical targets. All drilling was carried out by DJ Drilling of Surrey, B.C.. Downhole surveys were taken with a Sperry-sun single shot camera 20 feet below casing and every 100 feet thereafter. Samples were analyzed and assayed at Cominco Exploration Research Laboratory in Vancouver, B.C. Core recovery was generally excellent averaging 98%. All NQ core is stored on site and all HQ core was sent out for bulk sample analysis.

Records for twenty eight of the one hundred and thirty one drill holes are submitted herein.

Ore was intersected in seventeen of the twenty eight holes. Holes 95-109, 113 and 115 define the edges of the ore deposit, and contain alteration mineralogy associated with the ore deposit. Hole 116 was terminated in bad ground, and its sister hole 116A was also terminated in bad ground before reaching the projected ore horizon. Holes 95-162, 163, 164, 165, 166 and 170 were drilled to test geophysical targets away from the known deposit, but did not intersect mineralization. Holes 95-168 and 169 were drilled down the dip of the deposit for bulk sampling purposes. The sulphide ore carries important Cu, Pb, Zn, Ag, and Au values with pyrite being the most abundant sulphide mineral.

As mentioned previously, several holes were drilled to test conductor and gravity anomalies. Holes 162, 163 and 164 were drilled north of the ABM deposit to test UTEM conductors. These conductors are graphite rich shales containing traces of pyrite and no significant mineralization.

Hole 165 was drilled approximately 3 kilometres west of the ABM deposit to test a UTEM and weak gravity response. The UTEM conductor is interpreted to be graphite rich shales, while the gravity anomaly is attributed to massive mafic volcanics.

Hole 166 tested a minor HLEM conductor and minor gravity anomaly. The drill hole cut through a major fault in the area intersecting several graphite rich shales thought to be the HLEM conductor.

Hole 170 tested a strong UTEM conductor. The drill hole intersected several graphite rich shales between 100 and 160 metres, the interpreted level for the conductive anomaly. This hole was extended to the predicted ABM ore horizon, however, no mineralization was intersected. This hole was protected from cave in and further down hole geophysics will be conducted.

CONCLUSIONS

Polymetallic sulphide mineralization was intersected in 17 of 28 drill holes with ore intersection thicknesses varying from 5.7 to 37.5 metres. While eleven holes did not intersect mineralization, three exhibit intense alteration associated with the sulphide horizon, two holes, 95-116 and 116A, did not reach the target depth due to poor drilling condition and the rest were exploration holes drilled to test other geophysical anomalies.

Submitted by:

H.C. Schultze
Geologist III

Approved for release by:

D. Moore
Manager, Exploration -
Western Canada

HCS/
NOVEMBER, 1995

Copies: Mining Recorder (2)
Cominco - Western District Files

APPENDIX 'A'

STATEMENT OF EXPENDITURES

DIAMOND DRILLING:		
Drilling	4,925.5 m in 28 holes	$286,187
Bull Dozer	66 hours @ $90	$5,940
Excavator	40 hours @ $110	$4,400
GEOCHEMISTRY:	246 samples @ $90	$22,140
TRANSPORTATION:		
Helicopter	36.8 hours @ $720	$26,500
DOMICILE:		$17,200
MOBE/DEMOBE:		$9,900
SALARY:		
H.C. Schultze	(Geologist III) 31 days planning, supervision, report writing @ $340	$10,540
	TOTAL:	$382,807

EXPENDITURES AND HOLE LOCATION

DRILL HOLE NUMBER	DRILLING COSTS	COMMENCED	COMPLETED	CLAIM	EASTING	NORTHING
95-76	$11,606.00	13-Apr-93	14-Apr-95	Tag 18	415000	6815592
95-105	$10,896.00	22-Apr-95	23-Apr-95	Tag 22	415101	6815536
95-106	$11,015.00	23-Apr-95	24-Apr-95	Tag 22	415101	6815537
95-109	$14,043.00	25-Apr-95	27-Apr-95	Tag 22	415293	6815396
95-113	$14,423.00	27-Apr-95	29-Apr-95	Tag 22	415242	6815526
95-114	$14,265.00	29-Apr-95	1-May-95	Tag 22	415243	6815523
95-115	$11,838.00	28-Apr-95	29-Apr-95	Tag 22	415251	6815355
95-116	$4,936.00	29-Apr-95	30-Apr-95	Tag 22	415251	6815357
95-116a	$14,701.00	30-Apr-95	3-May-95	Tag 22	415251	6815357
95-117	$11,870.00	2-May-95	3-May-95	Tag 22	415203	6815446
95-146	$10,225.00	20-May-95	21-May-95	Tag 17	414899	6815503
95-147	$12,304.00	19-May-95	20-May-95	Tag 18	414953	6815597
95-148	$13,976.00	20-May-95	22-May-95	Tag 18	414953	6815597
95-149	$13,556.00	21-May-95	23-May-95	Tag 18	414749	6815684
95-150	$12,182.00	23-May-95	24-May-95	Tag 18	414749	6815685
95-153	$11,708.00	25-May-95	25-May-95	Tag 18	414900	6815640
95-157	$12,070.00	28-May-95	29-May-95	Tag 18	414850	6815675
95-159	$12,995.00	27-May-95	28-May-95	Tag 18	414800	6815671
95-160	$11,746.00	28-May-95	29-May-95	Tag 18	414800	6815672
95-161	$38,114.00	30-May-95	6-Jun-95	Tag 17	415095	6815362
95-162	$6,240.00	7-Aug-95	10-Aug-95	Tag 112	414900	6818925
95-163	$5,500.00	11-Aug-95	12-Aug-95	Tag 111	414900	6818675
95-164	$7,358.00	13-Aug-95	15-Aug-95	Tag 109	414900	6818375
95-165	$13,832.00	16-Aug-95	17-Aug-95	Tag 69	411750	6812950
95-166	$13,514.00	18-Aug-95	19-Aug-95	Tag 99	413340	6813425
95-168	$11,000.00	21-Aug-95	24-Aug-95	Tag 17	414700	6815335
95-169	$10,500.00	24-Aug-95	26-Aug-95	Tag 17	414650	6815350
95-170	$46,394.00	26-Aug-95	2-Sep-95	Tag 17	417150	6815100
TOTAL	**$382,807.00**					

APPENDIX 'B'

STATEMENT OF QUALIFICATIONS

I, H.C. Schultze of the City of West Vancouver, British Columbia, do hereby certify that:

1) I am a graduate of the University of Calgary, 1988 with a B.Sc. degree, Geology Major,

2) I am employed by Cominco Ltd. as an exploration geologist,

3) I have been actively involved in mineral exploration for the past 7 years,

4) I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia.

H.C. Schultze
Geologist

NOVEMBER, 1995

APPENDIX 'C'

AFFIDAVIT

I, H.C. Schultze of the City of West Vancouver, British Columbia , make Oath and say:

1) That I am employed as a Geologist by Cominco Ltd. and as such, have personal knowledge of the facts to which I am herein depose,

2) That annexed hereto and marked Exhibit 'A' to this my Affidavit is a true copy of expenditures incurred by drilling on the Tag mineral claims between April 13 and September 2,1995,

3) That said expenditures were incurred for the purpose of mineral exploration on the noted claims.

H.C. Schultze
Geologist

NOVEMBER, 1995

APPENDIX 'D'

DRILL LOGS

P64

Hole # 95-76	Log By: DR	Easting: 5000	Commenced 13 04 95	Recovery	Length 169.5	Core Size NQ	Card No 1 of 5
Stick up:	Collar Elevation: 1383	Northing: 5592	Completed 14 04 95	Collar Dip -60	Azimuth 180	Assays? ✓	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	13.3	-	-	OVB	CASING / OVERBURDEN								
13.3	24.8	-	S	FXXF	"FRAGMENTAL" QUARTZ-SERICITE SCHIST w. INCREASED CHLORITE/BIOTITE (IRON CARBONATE ?) COMPONENT TYPICAL middle HW stratigraphy w. textures similar to FZ ie ribboned silica transposing to more fragmental and ultimately to granular w. grey silica bands w. disseminated py.po. This section is mostly disrupted into irregular grey silica forms in sericite matrix w. locally band still being evident matrix is greyer-grain buff than clean FZ qtz sericite though exact reasons for colour are not always evident. 3% grey silica bands with 10-20% py occasionally po. are evident. Foliation consistent a 70° to axis	2	0.5					70	
24.8	29.8	G	S	SX	BIOTITE-CHLORITE-QUARTZ-CALCITE SCHIST - Biotite rich rock with variety of textures - labelled sediment but possible could be mafic dyke. From 24.8 - 26.2 1-5 mm irregular porphyroblastic biotite aggregates sit in chlorite/quartz-carbonate matrix. From 26.2 - 28.2 rock is dominantly folded biotite rich bands alternating with silica, chlorite carbonate bands. 28.2 - 29.8 variable fine grained, chlorite, biotite, sericite, quartz minor chlorite in irregularly ribboned/banded rock.								
29.8	46.8	S	G	FXXF	"FRAGMENTAL" QUARTZ SERICITE (CHLORITE/BIOTITE/IRON CARBONATE) SCHIST as 13.3-24.8 30-40% irregular 2 to 30 mm silica forms sitting in finer qtz sericite matrix w. variable chlorite biotite. Rock is greener/buff colour matrix. From 29.8 - 31.8 quite siliceous with more lensoidal forms - silicification next to SX?	1	2					70	
46.8	48.2	S	G	SX	BIOTITE-QUARTZ-CHLORITE-CALCITE ROCK w. LOCALLY ABUNDANT PYRHOTTITE - Faintly laminated chlorite biotite calcite rock at core is flanked by more mottled coarsely crystalline quartz/calcite rock with wispy biotite seams and irregular seams/bands of pyrhottite comprising up to 50% of rock. Original rock may have been calcareous sediment - now partially skarnified - by enclosing felsics or hydrothermal system?		20					70	
48.2	72.7	G	G	FXXF	FINE "FRAGMENTAL" QUARTZ SERICITE (CHLORITE, BIOTITE, IRON CARBONATE) SCHIST - Similar to preceding sections but with finere 1-10 m. more streaked out forms - approaching granular texture still	2							

HOLE # 95-76

SUMMARY LOG: Hole enters from 13.3 to 72.7 more grey brown tinted quartz sericite rocks with irregular silica forms! From 72.7 to 108 encounters immediate HW. qtz-sericite and blk chlorite qtz sericite rocks. Ore interval consists of several sulphide rich intervals in between spectacular alteration including some cpy bearing coarsely albite porphyroblastic rocks. Section is very copper rich with OG at 108.2-112.9 Lower interval at 122.2 - 129.7 consists of OAG, OA, OB with high grade evident. Alteration continues from 129.7 to 168.6 with occasional sulphides. MFS marked by appearance of chlorite schist followed by rhyolitic rocks with MM bands seeming like alteration then typical MU, MD lithologies with thick felsic FZXR sequence at bottom

lower chlorite/biotite

DRILLING SUMMARY:

Downhole Surveys

Meterage	Dip	Azimuth
Collar	60	180
20.1	58.5	
51.8	60	180
82.3	60	
112	61.5	
142.1	62.0	181
167.6	62.0	182

Geores Codes

From	To	Code
0	13.3	OVB
13.3	24.8	FXXF
24.8	29.8	SX
29.8	46.8	FXXF
46.8	48.2	SX
48.2	72.7	FXXF
72.7	77.8	FZXF
77.8	78.1	FYXB
78.1	82.0	FZXR
82.0	85.7	FYXB
85.7	90.5	FZXR
90.5	96.6	FYXB
96.6	100.2	FZXF
100.2	100.4	MT
100.4	108	FZXR
108	108.2	APD
108.2	112.9	OG
112.9	113.4	APD
113.4	119.2	FZXR
119.2	119.7	AT
119.7	122.2	OC
122.2	123.0	OAG
123.0	125.2	OA
125.2	129.7	OB
129.7	133.1	OC

Geores Codes

From	To	Code
133.1	139.5	AT
139.5	140.1	OB
140.1	148.6	AT
148.6	149.8	MM
149.8	154.2	FF (MM)
154.2	155.6	MM
155.6	157.4	MUX2
157.4	157.8	MN
157.8	158.3	QZVN
158.3	169.5	FZXR
EOH	169.5	

Reactivity with HCl

From	To	Code
13.3	24.9	N
24.9	26.0	W
26.0	29.4	M
29.4	29.8	W
29.8	46.6	N
46.6	47.3	W
47.3	47.6	S
47.6	47.7	W
47.7	122.2	W
122.2	155.6	N
155.6	157.8	S
157.8	169.5	N
EOH		

Assays Job # V 95-0188R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
106.7	108.2	R9506398	1.5				5.3		56	
108.2	109.7	R9506399	1.5	14.00	0.14	1.10	E270.5	272.77	2800	3.986
109.7	111.2	R9506400	1.5	14.80	0.06	1.22	E243.5	255.21	2040	3.221
111.2	112.2	R9506401	1.0	7.62	0.11	1.19	E161.5	169.45	1976	2.982
112.2	112.9	R9506402	0.7	10.95	0.05	1.15	E202	203.76	1436	2.203
112.9	114.4	R9506403	1.5				2		28	
114.4	115.9	R9506404	1.5				1.3		20	
115.9	118.3	R9506405	1.4				7.3		42	
118.3	119.7	R9506406	1.4				2.5		20	
119.7	121.4	R9506407	1.7	4.53	0.07	0.59	E110.5	111.10	1612	1.850
121.4	122.2	R9506408	0.8	7.05	0.06	6.45	E163	179.25	3200	3.859
122.2	123.7	R9506409	1.5	3.30	0.34	9.75	E100.5	121.02	1120	1.467
123.7	125.2	R9506410	1.5	0.63	1.68	12.64	90.4	89.61	412	0.467
125.2	126.7	R9506411	1.5	0.50	2.48	8.47	E162	171.11	1634	1.896
126.7	128.2	R9506412	1.5	0.35	2.85	7.89	E216	222.84	1924	1.738
128.2	129.2	R9506413	1.0	0.13	1.97	4.75	E162.5	163.53	540	1.031
129.2	130.2	R9506414	1.0	0.75	4.47	13.52	40.4	266.10	340	0.621
130.2	131.7	R9506415	1.5	1.70	0.07	0.25	93.5	44.71	192	0.594
131.7	133.2	R9506416	1.5	3.07	0.39	0.46	92	90.71	782	0.834
133.2	134.7	R9506417	1.5				1.8		20	
138.0	139.5	R9506418	1.5				0.8		<10	
139.5	140.1	R9506419	1.6	0.57	1.71	9.27	E176	193.71	1244	1.793
140.1	141.6	R9506420	1.5	0.16	0.20	0.72	15.4	15.53	128	0.158
141.6	143.1	R9506421	1.5	0.18	0.28	0.87	17.3	18.56	180	0.190
143.1	144.6	R9506422	1.5	0.18	0.44	1.32	20.8	20.42	60	0.137

cont. p. 2

Hole # 95-76	Log By: DR	Easting:	Commenced		Recovery	Length	Core Size	Card No. 2 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	S1	Dip S2
48.2	72.7	cont			with streaks wisps and mottles colouring rock grey-green-buff							
72.7	77.8	G	S	FZXF	"FRAGMENTAL" QUARTZ SERICITE SCHIST - Transition - very subtle and subjective to lyellow grey quartz sericite rock with quartz forming irregular 2 to 30mm silica forms enveloped in sericite matrix - typical transposed ribbons 2-3% pyrite associated with darker grey silica.	2						75
77.8	78.1	S	G	FYXB	BLK CHLORITE BANDED QTZ-SERICITE SCHIST - Typical texture with 30% black chlorite network							
78.1	82.0	G	G	FZXR	RIBBONED QUARTZ SERICITE SCHIST - Relatively coarse 5-10mm. silica bands alternating with 2-5mm layers sericite - strongly folded	2						
82.0	85.7	G	G	FYXB	BLK CHLORITE BANDED QTZ SERICITE SCHIST - Typical - variable black chlorite content from 10-40% avg ~20%	3						80
85.7	90.5	G	G	FZXR	RIBBONED QUARTZ-SERICITE SCHIST - typical texture - strong folding approaching "fragmental" texture	2						85
90.5	96.6	G	G	FYXB	BLACK CHLORITE BANDED QTZ SERICITE SCHIST - Typical as previous	3						
96.6	100.2	G	S	FZXF	"FRAGMENTAL" QTZ-SERICITE SCHIST - Usual hangingwall lith. with silica ribbons disrupted - transposed							
100.2	100.4	S	S	MT	INTERMEDIATE "ANDESITE" TUFF - Very distinctive bed consisting of grey phyllosilicate (sericite?) with 1-5mm bands at base of biotite. Almost certainly sediment or tuff	—						75
100.4	108	S	S	FZXR	RIBBONED QUARTZ SERICITE SCHIST - Strongly folded 2-10mm bands of silica alternating w. sericite - approaches "fragmental texture	2						
108	108.2	S	S	APD	ORE ENVELOPE ALTERATION w. PACKED ALBITE PORPHYROBLASTS							
108.2	112.9	S	S	OG	SPECTACULAR CHALCOPYRITE ROCK - Beginning of fascinating succession of very high grade ore and spectacular associated alteration - coarse pegmatite like porphyroblastic phases. This particular interval consists of 40-50% chalcopyrite with local 70-80% bands							

HOLE # 95-76

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job # 95-0188R										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
									148.8	149.6	9506423	0.8	2.6	0.12	1.36	35	35.02	144	0.290
									153.8	155.5	9506424	1.7	0.85	0.04	1.70	14.4	14.40	94	0.150

Hole # 95-76	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 3 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Codes	Comments

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
108.2	112.9	S	S	OG	cont. that contain 10-20% irregular bleb like aggregates of coarse pyrhottite and also 2 to 20 mm. irregularly rounded albite "porphyroblasts". Some of albites seem to be partially chloritized and contain disseminated grains and aggregates of pyrite, Crystals of magnetite (+5%) occur and seem to be preferentially about albite, chlorite - shurl interval at 111.5-112.0 taken on OAG texture with laminated magnetite, pyrite occurs with chalcopyrite as diffuse bands and stringers of more pyrite	20	20	35		5?		65
112.9	113.4	S	G	APD	ORE ENVELOPE ALTERATION - PACKED 5 mm to 2mm Albite porphyroblasts almost look like layered cycles							65
113.4	119.2	G	G	FZXR	RIBBONED QUARTZ SERICITE SCHIST - typical texture strongly folded. From 117.0-118.3 5% darker grey siliceous bands host, 2% sphalerite, 3-4% galena, some cpy. rather than usual pyrite - overall perhaps 2% sphalerite	20		tr	tr	1.0		75
119.2	119.7	G	G	AT	NON PORPHYROBLASTIC ORE ENVELOPE ALTERATION - Jade green biotite (chlorite), grey sericite green calcite replacing original quartz sericite texture.							65
119.7	122.2	G	S	OC (AP)	NET TEXTURED CHALCOPYRITE/PYRHOTTITE Rock Atypical interval consisting of porphyroblastic alteration with locally v. big, 2-3cm albite (?), quartz-calcite-patches and more in situ replacement textures hosting zones of very coarse stringy chalcopyrite and pyrhottite as interstitial between coarse crystals Locally nice textural fine interconnected net of sulphides is present while occasionally 5-10cm. bands of dominantly chalcopyrite/pyrhottite are present	5	10	10				
122.2	123.0	S	G	OAG	CHALCOPYRITE RICH MAGNETITE LAMINATED SULPHID Rock Dominantly pyritic rock with trains of magnetite grains aggregates but with wisps and swirls of pyrhotite and 5-10% interstitial to less commonly recrystallized cross cutting chalcopyrite	20	45	12	3	10		
123.0	125.2	G	S	OA	MAGNETITE LAMINATED SULPHIDE ROCK - Well developed delicate magnetite laminated texture - elastic - substantial visible sphalerite galena suggests EXCEPTIONAL GRADE	60	8?	2	6	17		70

Hole # 95-76	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card N: 4 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded: Geotech?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2
125.2	129.7	G	G	OB	WISPY LAMINATED BUCKSHOT PYRITE / REDBROWN SPHAERITE W. PATCHES OF GANGUE - Very typical OB texture but quite high grade with abundant red brown sphalerite, readily visible galena, Scattered 0.5 to 3cm Albite crystals occur in section. Patches of tetrahedrite are also evident running gangue matrix. Bands of albite porphyroblast altered rock with no mineralization occur @ 127.2 - 127.7, 128.4 - 129.0 Laminations show highly variable attitude suggesting folding - one fold more evident @ 128.3m	60		1	5	20		
129.7	133.1	G	G	OC (APD)	WET TEXTURED CHALCOPYRITE-PYRHOTTITE IN SPECTACULAR ALBITE PORPHYROBLASTIC ALTERATION - Not typical OC but coarse patches of pyrhottite and chalcopyrite occuring in interfaces between coarse, 1- 3cm. greenish translucent albite crystals and patches of ankerite with lesser quartz. Rock looks like pegmatite with sulphides almost as late phase, immiscible melt - some galena and sphalerite as very coarse crystals also evident - Very variable foliation and fold more strong folding evident							
133.1	139.5	G	S	AT	ORE ENVELOPE ALTERATION W. WISPS MOTTLES GREEN BIOTITE / CHLORITE REPLACING SERICITE CREAM ANKERITE IN QTZ Z IN TEXTURE OF RIBBONED QTZ-SERICITE SCHIST Alteration very intense pronounced from 133.1 - 135.3, less pronounced from 135.3 - 139.5, more intense alteration has minor fuzzy, Py., asPy sphalerite associated							
139.5	140.1	S	S	OB	HIGH GRADE WISPY LAMINATED - BUCKSHOT PYRITE REDBROWN SPHALERITE ROCK - very typical texture with abundant sphalerite readily evident v. fine galena - could possibly have barite matrix	55			5	25		
140.1	148.6	S	G	AT	ORE ENVELOPE ALTERATION - Ankerite, Jade green Biotite chlorite replacing ribboned quartz sericite schist - moderately strong @ 139.8 - 139.9 OB like sulphides dominantly pyrite - possibly high barite matrix, From 142.0 - 144.7 5-10% sulphides dominantly pyrhottite, lesser sphalerite		3	tr	tr	1		65
148.6	149.8	G	G	MM	BRIGHT GREEN CHLORITE SCHIST FLECKED W WISPS OF BIOTITE (ALTERATION ?) Bright green chlorite rock speckled with biotite locally is more siliceous							

Hole # 95-76	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card N	5 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded	Geomet

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
148·6	149·8			MM	cont. with ghosted silica lenses that appear overprinted, NOTE This rock commonly appears at base of altered FF/ore and above Footwall Mafics - has the look often of alteration see below and commonly has significant sulphides - ie chalcopyrite/pyrrhotite not common but sometimes sphalerite, galena. This band has ~5% chalcopyrite with 3% pyrite @ 148·5-148·6, lesser fine wisps throughout							80
							1	0·2				80°
149·8	154·2	S	G	FF/MM	RHYOLITE (FLOW/SILL) INTERBANDED WITH SOFT BRIGHT GREEN CHLORITE SCHIST - Light cream to grey dense aphanitic to slightly ribboned v. siliceous rock is crossed by 2-20 cm bands of bright green chlorite schist. Looks very much like alteration stringers or bands cutting rhyolite though always parallel to dominant foliation MM occurs at 150·6-150·9, 151·6-151·7 152·2, 152·4, 152·6, 152·8-153·2, 153·25-153·4, 153·5-153·55 153·55-154·2 is more siliceous rock but diffusely mottled w. chlorite							
154·2	155·6	G	G	MM	CHLORITE SCHIST - Bright green chlorite schist with fleck of bolib Locally 3-4% cpy. avg 1% as disseminated wisps - v. rare pyrrhotite rare pyrite	1·0	1·0	1·0				80
155·6	157·4	G	G	MMY2	CHLORITE-CALCITE SCHIST MOTTLED w 15% WHITE WISPY LENSES (PORPHYROBLASTS) CALCITE AGGREGATES - Typical texture							80
157·4	157·8	G	S	MN	BIOTITE-CHLORITE-CALCITE SCHIST - Biotite-chlorite schist with 40% biotite with wispy bands of calcite							
157·8	158·3	S	S	QZVN	QUARTZ VEIN - Quartz vein with patches of quartz sericite rock several 1-2cm. coarse 5mm. aggregates of brown sphalerite and galena							
158·3	169·5	S	-	FZVR	PLANAR RIBBONED v. SILICEOUS QUARTZ-SERICITE SCHIST (RHYOLITE?) Very siliceous rock that borders on being FF type but has 20-30% sericite colouring rock yellow with prominent silicification of sericite and silica giving strong planar fabric. 5% dk blue sy. silica bands, bottom 10% pyrite are also stretched at 1-5 mm discontinuous layers across core giving marked planar fabric. Very even homogeneous rock throughout interval.	30						80
					E.O.H @ 169.5							

Hole # 95-105	Log By: HCS	Easting: 415101.3	Commenced 22 04 95	Recovery	Length 154.2	Core Size NQ	Card No. 1 of 3
Stick up:	Collar Elevation : 1393	Northing: 6815536.1	Completed 23 04 95	Collar Dip 60	Azimuth 180	Assays? ✓	Coded?	Geores?

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
0	12.8	S	S	OVB	OVERBURDEN							
12.8	20.5	S	S	SK	Light grey to green fine to coarse grained WACKE. Qtz is main component with lesser sericite. Chalty / silica bands & fragments present locally. Unit could also be an FXXF rock ?	1-2	1-3					70
20.5	20.8			QZVN	QZVN Bull Qtz with tourmaline & 20% Calcite							
20.8	26.7	S	G	SK	WACKE. As above. Basal 2m has f. gr. biotite component to matrix (Tr-5%) imparting a brownish tone.							
26.7	31.9	G	G	SX	BIOTITE - CALCITE - QTZ - SERICITE - CHLORITE SCHIST. Biotite rich sediment? Could also be a MAFIC DIKE. Margins are texturally fine grained with a coarser interior.							
31.9	43.9	G	U	SK	WACKE. As in 208-267. Biotite component varies from trace to 5%, units have granular to fine gr to banded / cherty character → Fx ?. Rocks may be biotized Felsic tuffs.							
43.9	62.9	U	G	FxxR	QTZ - MUSC. SCHIST WITH CHERTY RIBBONS & "FRAGMENTAL" TEXTURE. Light grn in hue. Po occurs, locally as disseminated grains or in SI // bands with grey qtz to several mm thick.		Tr-8				45-15	75
62.9	63.1	G	G	QZVN	QZVN WITH TOURMALINE. UNIT ACTUALLY FOLLOWS THIN FRACTURES WITH SELVAGES DEVELOPED IN HOST SCHIST.							
63.1	64.2	G	S	FxxR	As in 43.9-62.9		Tr-8					
64.2	64.7	S	S	FLT	FLT / GOUGE ZONE DEVELOPED IN HOSTING FXXR UNIT.							
64.7	80.3	S	G	FxxR	As in 43.9-62.9. Excellent ribboned & "Fragmental fabric							
80.3	94.6	G	G	ATW	D GRN CHLORITE BEARING QUARTZ-SERICITE SCHIST. Weakly altered Felsic tuffs of Fx affinity to Fz @ 91.0m. Mica is more of a light green than a light yellow green although yellowish hues are present. Py common as patchy blebs, disseminated grains, & thin laminae. Chlorite occurs as disseminated flakes and booklets.		1-8					80
94.6	97.3	G	G	FZXG	QUARTZ MUSCOVITE SCHIST. GRANULAR TO RIBBONED CHARACTER. LIGHT YELLOW-GREEN SERICITE FORMING PARTINGS IN A QTZ RICH ROCK.							

HOLE # 95-105

SUMMARY LOG: The hole collars in a biotite bearing qtzitic rock with muscovite exhibiting a fine grained to granular texture. Clotty Ribbons (FX like) are locally present. Unit was classified a Sediment but could well be lumped in with the Felsic unit FX. One major zone is encountered with minor interrelated altered schist units to 2 m thick. A significant interval of altered rock occurs below the main zone and is variably mineralized with one massive "OB" section @ 135.7-138.0

DRILLING SUMMARY:

Downhole Surveys

Meterage	Dip	Azimuth
Collar	60	180
20.4	61	171
50.9	61.5	179
81.4	60	179
105.5	61.5	207
142	61.5	183

Geores Codes

From	To	Code
0	12.8	OVB
12.8	20.5	SK
20.5	20.8	QZVN
20.8	26.7	SK
26.7	31.9	SX
31.9	43.9	SK
43.9	62.9	FXXR
62.9	63.1	QZVN
63.1	64.2	FXXR
64.2	64.7	FLT
64.7	80.3	FXXR
80.3	94.6	ATV
94.6	97.3	FZXG
97.3	104.5	ATV
104.5	104.8	QZVN
104.8	105.5	ATM
105.5	106.6	OGA
106.6	114.7	OA
114.7	115.7	OGA
115.7	116.1	ATS
116.1	116.6	OJ
116.6	117.6	ATS
117.6	118.0	OAG
118.0	119.2	OA
119.2	128.2	OB

Geores Codes

From	To	Code
128.2	129.1	OA
129.1	132.6	OB
132.6	133.9	OA
133.9	134.4	OB
134.4	135.7	FZXB
135.7	138.0	OB
138.0	140.3	OJ
140.3	141.7	ATW
141.7	142.0	OJ
142.0	145.1	ATW
145.1	146.3	ATM
146.3	147.1	OJ
147.1	148.9	MUX2
148.9	150.7	MOX2
150.7	150.9	QZVN
150.9	151.8	MOX2
151.8	154.2	FW

Reactivity with HCl

From	To	Code

Assays Job # 95-0221R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
104.2	105.5	R9508060	1.3				<.4		<10	
105.5	107.0	R9508061	1.5	5.74	0.63	4.59	E188	171.4	2800	4.914
107.0	108.5	R9508062	1.5	0.24	3.42	8.39	E182.5	179.4	304	0.566
108.5	110.0	R9508063	1.5	1.33	0.41	4.94	56	57.9	49.6	1.344
110.0	111.5	R9508064	1.5	0.55	0.17	2.32	28.3	29.1	484	0.461
111.5	113.0	R9508065	1.5	0.41	0.18	1.79	25.6	26.0	240	0.441
113.0	114.5	R9508066	1.5	0.47	0.62	7.75	77.6	73.9	380	0.570
114.5	115.7	R9508067	1.2	6.88	0.06	3.05	E223	221.2	11660	2.611
115.7	117.6	R9508068	1.9	1.65	0.15	0.55	71.3	72.2	432	0.649
117.6	119.1	R9508069	1.5	0.61	0.70	6.97	59.3	58.81	468	0.759
119.1	120.6	R9508070	1.5	0.34	1.20	6.68	E113	111.3	1740	1.720
120.6	122.1	R9508071	1.5	0.40	1.06	6.74	E144	133.7	2000	1.854
122.1	123.6	R9508072	1.5	0.30	2.51	11.15	E160	147.5	1340	1.765
123.6	125.1	R9508073	1.5	0.20	3.43	9.92	E203	175.6	1280	1.881
125.1	126.6	R9508074	1.5	0.48	4.95	7.22	E313.5	309.4	1920	3.843
126.6	128.1	R9508075	1.5	0.10	4.61	8.38	E290.5	272.6	1400	1.893
128.1	129.6	R9508076	1.5	0.55	0.84	6.06	92.7	90.1	944	1.292
129.6	131.1	R9508077	1.5	0.18	1.21	7.91	E124	122.4	920	1.105
131.1	132.6	R9508078	1.5	0.35	4.15	12.35	E387.5	325.7	1900	2.379
132.6	134.4	R9508079	1.8	1.19	4.43	10.83	E368	345.5	2120	2.664
134.4	135.7	R9508080	1.3	0.02	0.11	0.21	6.1	7.33	50	0.119
135.7	136.8	R9508081	1.1	0.21	4.58	8.06	E204.5	139.9	680	1.177
136.8	138.0	R9508082	1.2	1.41	3.29	10.23	E173	169.7	1340	1.196
138.0	139.5	R9508083	1.5	2.32	0.48	6.13	E102.5	108.1	1256	1.136
139.5	141.0	R9508084	1.5	0.18	0.25	5.06	25.6	21.9	160	0.236
141.0	141.5	R9508085	1.5	0.05	0.19	1.69	2.2	4.7	32	0.093

Hole # 95-105	Log By: HCS	Easting:	Commenced		Recovery	Length	Core Size	Card No. 2 of
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georas?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georas Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
97.3	104.5	G	S	ATW	Weakly altered (CHL with minor Biotite) FZxR rock As in 80.3-94.6.		1-6					80
104.5	104.8	S	S	QZVN	Bull QZVN with CALCITE + D. GREEN CHLORITE CLOTS.							
104.8	105.5	S	S	ATM	ATW → ATM. Coarser sized porphyroblasts of Chlorite in FZ schists. Minor Albite as .. 0.5 cm crystals @ 105.4.		1-5					
105.5	106.6	S	G	OGA	SULPHIDE ROCK. CP RICH WITH Po BANDS + minor MT + SP. Minor chlorite also present		30-40	40-50		Tr-4		
106.6	114.7	G	G	OA	MT BEARING SULPHIDE ROCK. Disseminated to banded porphyroblastic MT. common throughout. Local recrystallized "OD" type textures developed over 2-3 cm intervals, commonly in association quartz impregnated zones. Qtz can locally form 5-10% of rock over thin 1-10 cm intervals.							75
114.7	115.7	G	S	OGA	SULPHIDE ROCK. CP RICH. As IN 105.5-106.6							
115.7	116.1	S	S	ATS	$FeCO_3$ - CHLORITE. FSP - QTZ ALTERED ROCK WITH VARIABLE SULPHIDE COMPONENT. (GENERALLY LOW)		Tr-10					
116.1	116.6	S	S	OS.	ATS as above with high CPd Po component as blebs + stringers.		8-10	5-6				70
116.6	117.6	S	S	ATS	As in 115.7-116.1							
117.6	118.0	S	G	OAG	CP BEARING OA.		15-20					
118.0	119.2	G	G	OA	MT. BEARING SULPHIDE ROCK. QUITE Pyrrhotitic.		10-12					
119.2	128.2	G	S	OB	OB. 5-15% Non-sulphide gangue.							
128.2	129.1	S	S	OA.	COARSE MT GRAINS LOCALLY DISSEMINATED IN SULPHIDE ROCK		3-6					75
129.1	132.6	S	S	OB	OB. Classic Texture & style. Tourmaline x'talk? disseminated in sulphides @ 26.1-26.4.							
132.6	133.9	S	G	OA	OA. As in 128.2-129.1 Unit however has Fsp & QTZ "flooded" zones to 20% of rock volum.		5-8					70
133.9	134.4	G	S	OB	OB, Typical.							
134.4	135.5	S	S	FZXB	YELLOW-GREEN/SCALCITE-QTZ SCHIST. BANDED TO RIBBONED CHARACTER. Locally Calcareous							

Hole # 95-105	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 3 of 3
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
135.5	138.0	S	S	OB	OB(GH) Typical to f.gr massive towards base with ≈5% silica gangue.							
138.0	140.3	S	S	OJ	CP+SP Streaks & Grains in ATS type altered rock. Strong chlorite + fsp development.							
140.3	141.7	S	S	ATW	FZXB with d.grn chlorite flakes locally + disseminated Sp + Asp x'tals							
141.7	142.0	S	S	OJ.	Sp + Po bearing chlorite rich qtz-musc. schist.		10-25	Tr-2		2-3		70
142.0	145.1	S	G	ATW	As in 140.3 - 141.7. Chl more prevalent → forms thin seams locally.							
145.1	146.3	G	S	ATM	DGN CHLORITE FORM INTEGRAL COMPONENT TO QTZ-SER. SCHIST (15-30 %)		2-5					
146.3	147.1	S	S	OJ.			10-25	Tr-2		1-3		70
147.1	148.9	S	G	MOX2	CHLORITE - CALCITE SCHIST. PORPHYROBLASTIC CC. - FINE CRYSTALLINE ANKERITE FROM CONTACT TO 147.1 - 147.4.							
148.9	150.7	G	S	MOX2	BI - CHL - CC SCHIST. Typical.							
150.7	150.9	S	S	QZVN	WHITE BULQTZ + CALCITE VEIN.							
150.9	151.8	S	G	MOX2	BI - CHL - CC SCHIST. Finer grained towards margin.							
151.8	154.2	G	—	FW	LIGHT GREY, FINE GRAINED, LOCALLY BANDED QTZ-MUSC, CC BEARING SCHIST.							75

Hole # 95-106	Log By: TCS	Easting: 415101.3	Commenced	23	04	95	Recovery	Length 157.6	Core Size NQ	Card No. 1 of 2
Stick up:	Collar Elevation : 1393	Northing: 6815537.1	Completed	24	04	95	Collar Dip 90	Azimuth 0	Assays?	Coded? Georges?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georges Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
0	10.8	-	S	OVB	Overburden - Casing							
10.8	13.6	S	G	SK	Fine grained grey Quartz - Biotite - chlorite Wacke massive poorly Sorted in Some Sections.							90
13.6	16.8	G	G	SK	Biotite rich Schist with Carbonate and chlorite. Poor banding., dark grey-brown with minor disseminated Py							
16.8	32.8	G	S	SK	Fine grained grey quartz - Sericite Wacke. Dominantly a massive Unit with areas which are poorly sorted and fine grained. From 22.2 to 23.2 the section is Quartz rich and has a FxxF texture. There are Sections with primary bedding, but this bedding is folded eg. @ 19.7. Minor Py laminae and disseminations							
32.8	36.1	S	S	QZVN	Bull quartz with tourmaline and chlorite gangue Section is Sheared/faulted							
33.7	35.9			FLT								
36.1	51.6	S	S	SK	Fine grained massive to poorly bedded grey quartz-Sericite Wacke. Section has more grain size variability with pebble size particles. Strong foliation particles are becoming Stretched. In a few small sections pebbles are elongate parallel to the Foliation. Minor py, weak Carbonate 'Fizz'							60
51.6	52.2	S	G	SK?	Fault gouge sheared SK? Foliation turned to 10°							10
51.6	52.2			FLT								
52.2	56.0	G	G	SK	Fine grained to pebbly grey Wacke. Section is being elongate by a more intense Foliation as it changes to FxxF							80
56.0	74.4	G	G	FxxF	Quartz-Sericite Schist. Fragmental texture in most of Section. Quartz is elongate in Foliation to elongate parallel to core axis.		→ @ 72.2m				0	80
74.4	90.2	G	G	SK (FZ)?	Quart-Sericite-Py-chlorite fine grained Wacke? Sericite content is increasing down hole as Section changes from a wacke character to the FZ character. Section is dominantly massive with minor pebbly sections. Py is disseminated to laminated.	5						80

HOLE # 95-166

SUMMARY LOG: Section was collared in greywacke @ 10.8m. Hanging wall is dominantly Quartz-sericite wacke / tuffs and has a 30+m interval of alteration. Two ore horizons intersected. Upper at 124.4 m and the lower @ 136.8 m. The footwall succession is mafic and the hole ends in MUX2.

DRILLING SUMMARY: Core loss 124.1 to 127.1 ~60 cm.

Downhole Surveys

Meterage	Dip	Azimuth
Collar	90	0
20.4	85.5	131
50.9	83	151
81.4	87.75	168
111.9	87	185
157.6	85.75	186

Geores Codes

From	To	Code
0	10.8	OVB
10.8	13.6	SK
13.6	16.8	SX
16.8	32.8	SK
32.8	36.1	QZVN
33.7	35.9	FLT
36.1	51.6	SK
51.6	52.2	FLT
52.2	56.0	SK
56.0	74.4	FXVF
74.4	90.2	SK
90.2	99.2	FZXR
99.2	100.6	ATW
100.6	103.0	FZXR
103.0	103.7	ATM
103.7	109.1	FZXR
109.1	110.4	ATW
110.4	114.7	APS
114.7	122.3	ATS
122.3	123.9	APS
123.9	124.4	QZVN
124.4	127.1	OS
127.1	127.5	ATS
127.5	128.5	OA
128.5	129.4	OS

Geores Codes

From	To	Code
129.4	132.4	AP
132.4	136.8	FW
136.8	140.1	OH
140.1	140.5	AP
140.5	141.1	OS
141.1	141.3	QZVN
141.3	143.2	OB
143.2	143.8	OS
143.8	148.7	OA
148.7	151.7	ATS
151.7	157.6	MUX2

Reactivity with HCl

From	To	Code
10.8	13.6	W-N
13.6	16.8	M
16.8	90.2	N-W
90.2	127.5	N-W
127.5	148.7	N-LS
148.7	151.7	W
151.7	157.6	M

Assays Job # 95-0221R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T	
116.9	118.4	R9508125	1.5				29.3		56		
118.4	119.9	R9508126	1.5				10.9		60		
119.9	121.4	R9508127	1.5				0.9		20		
121.4	122.9	R9508128	1.5				7.5		40		
122.9	124.4	R9508129	1.5				8.6		<10		Core loss
124.4	125.9	R9508130	1.5	0.33	2.61	10.00	E130.5	133.9	388	0.586	Core loss
125.9	127.5	R9508131	1.6	1.37	1.60	5.77	E 100	102.2	756	1.323	
127.5	128.5	R9508132	1.0	1.34	5.75	13.91	E 243	237.3	936	0.948	
128.5	130.0	R9508133	1.5	0.61	0.97	3.94	57.6	60.0	260	0.601	
130.0	131.5	R9508134	1.5	1.17	0.07	0.81	43.7	43.3	500	0.580	
131.5	133.0	R9508135	1.5				14.1		132		
133.0	134.2	R9508136	1.2				1.2		24		
134.2	135.3	R9508137	1.1				2.2		<10		
135.3	136.8	R9508138	1.5				25		196		
136.8	138.3	R9508139	1.5	0.64	0.47	2.32	66.7	68.3	1144	1.503	
138.3	139.2	R9508140	0.9	0.55	0.65	3.70	70.5	73.8	876	1.209	
139.2	140.1	R9508141	0.9	0.16	1.38	7.83	E209.5	175.8	1420	1.886	
140.1	141.3	R9508142	1.2	1.13	0.27	0.44	E 480	419.6	4800	5.454	
141.3	142.8	R9508143	1.5	0.80	2.63	9.64	E 385.5	343.8	1648	3.893	
142.8	144.3	R9508144	1.5	0.97	2.41	8.05	E 129	131.7	460	0.694	
144.3	145.8	R9508145	1.5	0.78	4.24	10.98	E 184	169.5	516	0.780	
145.8	147.3	R9508146	1.5	0.92	2.28	7.00	E 151.5	136.8	552	1.042	
147.3	148.8	R9508147	1.5	0.60	5.47	12.47	E 190.5	198.1	476	0.679	
148.8	150.3	R9508148	1.5				7.6		<10		

Continued on Card #2

Hole # 95-106	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size	Card No. 2 of 3
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
90.2	99.2	G	G	FZXR	Quartz-Sericite Schist, Py laminae and disseminated Grey yellow, massive	10						70
99.2	100.6	G	G	ATW	Chlorite-sericite-biotite-Py+Po Alteration phase rock grey-bronze. well foliated	1	1					
100.6	103.0	G	G	FZXR	Quartz-Sericite-chlorite Schist laminae and disseminated Py. Good ribboned fabric. Section ends with Quartz carbonate veining							
103.0	103.7	G	G	ATM	Chlorite-Quartz-Sericite Po Schist / Alteration phase.							
103.7	109.1	G	G	FZXR	Quartz-Sericite Schist, good ribboned fabric with large 1-2cm quartz bands. Quartz vein from 104.9-105.3' Albite ± chlorite porphyroblasts occur in last 30 cm.							
109.1	110.4	G	S	ATW	Quartz-Sericite-Chlorite weak alteration phase. Section becomes more Chloritic towards the end of the section							
110.4	114.7	S	S	APS	Chlorite Albite porphyroblastic chlorite (gangue) alteration phase Py+Po+Cp+Sp Stringers throughout.	5	10	2		2		
114.7	122.3	S	G	ATS	Chlorite-Sericite-Carbonate-Quartz alteration phase with bands of Po+Cp+Py +Sp. Section varies from chloride to sericite rich, Banded to porphyrytic. local concentration → / Distributed →	5 / 1	20 / 4	5 / I		2 / Tr		
122.3	123.9	G	S	APS	Chlorite-Albite porphyroblastic Alteration phase. Feldspar occurs in masses of lath-shaped crystals ⇒ diabasic. Cp+Py occur throughout the section as veinlets and clusters	5		1				
123.9	124.4	S	S	QZVN	Quartz-tourmaline Vein with very small stringers of Cp			1				
124.4	127.1	S	G	OS	Py+Po+Mt+Cp+Sp heavily disseminated in a Chlorite-Quartz-phase alteration. The section consists of 5-20 cm segments of several ore types Sandwiched between segments of alteration rock.	40	5	3		5		
127.1	127.5	G	S	ATS	Chlorite-Sericite-quartz alteration rock							

HOLE # 106

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job # 95-022IR										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
									150.3	151.8	R9508149	1.5				31.1		548	
									151.8	153.3	R9508150	1.5				3.1		20	

Hole # 95-106	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size	Card No 3 of
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters From	Meters To	Contact T	Contact B	Geores Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
127.5	128.3	S	G	OA	Py+Mt+Po+Cp laminated sulphides	40	15	2				
128.5	129.4	G	G	OJ	Py+Sp+Po+Sp in Chlorite-Sericite alteration rock	20	5	1		2		
129.4	132.4	G	S	AP	Chlorite-Albite porphyroblastic Alteration phase rock. Mottled black & White. Small stringers of Po+Sp+Py throughout.	2	5	3				
132.4	136.8	S	S	FW?	Quartz-Sericite-Biotite Schist with minor Carbonate. Grey-yellow in color. massive, fine grained. Dissemmated Py throughout. There is a soft (1-2) flouresent green waxy alteration mineral present @ 135.3 Also present in the AP, but not as well preserved.							70
136.8	140.1	S	S	OH	Massive Py with disseminated Sp and a few bands of Sp. more Sp net towards end of section.	80				3		
140.1	140.5	S	S	AP	Chlorite-Albite porphyroblastic alteration							
140.5	141.1	S	S	OJ	Pyrite + Ga+Cp in AP.	40		1	1			
141.1	141.3	S	S	QZVN	Quartz-Carbonate-Albite Ven with Stringers of Cp			5				
141.3	143.2	S	G	OB	Laminated Py+Sp with Cp.	60		2		15		
143.2	143.8	G	G	OJ	Py+Cp in Chlorite alteration phase.	15		5				
143.8	148.7	G	G	OA	Py+Mt laminated with occassional band of Sp, and large mass of Po+Ga+Cp+Sp	50	10	3		10		
148.7	151.7	G	G	ATS	Chlorite-carbonate Schist with Cp+Po stringers. Much of section is chlorite dominant			3				
151.7	157.6	G	EOH	MOX2	Chlorite-carbonate with carbonate porphyroblasts.							
			EOH @ 157.6									

Hole # 95-109	Log By: HCS	Easting: 415293.0	Commenced	25	4	95	Recovery	Length 212.1	Core Size NQ	Card No. 1 of 4
Stick up:	Collar Elevation: 1470	Northing: 6815396.5	Completed	27	4	95	Collar Dip 50	Azimuth 180	Assays? No	Coded? ✓ Geores?

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
0	9.8			OVB	OVERBURDEN							
9.8	14.1	S	S	SAXB	MUDSTONE / ARGILLITE. D grey - black with white to light grey laminae. Very typical to character of SA unit encountered commonly with FYxB. Cleavage planes commonly carbonaceous. Light colored laminae are typically quartzitic with lesser Ca. Ca is typically white. Main cleavage fabric runs @ low angle / sub parallel to core axis. Core is friable + blocky.	Tr-4						20
14.1	14.3	S	S	MT	MAFIC TUFF. Light green chlorite schist / phyllite. Weakly calcareous. Unit in Fault/Gouge contact with qtz vein @ base. Trace galena along a fracture. Relatively Homogeneous chemistry.				Tr.			
14.3	15.9	S	S	QZVN.	White BULL QZVN.							
15.9	17.4	S	S/35	SAXB	MUDST / ARG. As in 9.8-14.1 Contact with vein @ 35° to ca							
17.4	18.2	S/35	S/35	VEIN	BULL QZ + CALCITE VEIN. Schist / phyllite fragments within.							
18.2	27.4	S	S	SAXB	MUDST. / ARG. WITH LOCAL GREEN TUFF BANDS / PHYLLITE							5-20
27.4	27.9	S	S	MT	MAFIC TUFF / PHYLLITE. As in 14.1-14.3.							
27.9	28.9	S	S	SAXB	MUDST / ARG As in 9.8-14.1. Unit is fragmented + gouge towards base.							20
28.9	34.5	S	S	MT	PHYLLITE. Light grey to green. Highly gouged + broken / friable. Chrome Mica? (light chrome green) present in matrix locally.							
34.5	35.7	S	S	SAXB	MUDST / ARG. As in 9.8-14.1. Main cleavage fabric now @ 45° to c/a.							45
35.7	40.2	S	G	MT	MAFIC TUFF / PHYLLITE. Medium to dark green. Quite calcareous. Homogenous fine fabric.							40
40.2	42.7	G	S	SAXB	MUDST / ARG. As in 9.8-14.1.							20
42.7	47.6	S	U	MT	MAFIC TUFF / PHYLLITE. As in 35.7-40.2							5-10
47.6	50.7	U	S	SAXB (MT)	MUDST. / ARG. WITH MINOR THIN BEDDED MAFIC TUFFS. Units base is in FLT / GOUGE CONTACT WITH MUDST's EXHIBITING MAIN CLEAVAGE / CORE AXIS RELATIONSHIPS i.e. HIGH ∠.							20

HOLE # 95-109

SUMMARY LOG: THE HOLE COLLARS IN HW MUDSTONE + MAFIC TUFF PACKAGE. UNITS ARE SHATTERED, GOUGED + FRIABLE. S_2 to CORE AXIS ANGLES ARE AT LOW ANGLES. AT 53.6 M CORE AXIS ANGLES CHANGE ABRUPTLY TO TYPICAL ORIENTATIONS AT HIGH ANGLES TO CORE AXIS, TYPICAL OF THE REGIONAL FABRIC. CORE IS BLOCKY BUT NOT SHATTERED FROM 53.6 m & BEYOND, REMAINS IN MUDSTONES / MAFIC TUFFS TO 130.1 @ WHICH A RIBBONED QTZITE EXISTS (SIMILAR TO HOLE 94-19) FOLLOWED BY MUDSTONES FOR 7.6 M THEN INTO A WACKE OR DACITIC TUFF / LAPILLI TUFF UNIT. AN FF (RHYOLITE FLOW) UNIT 6M WIDE EXISTS NEAR THE BASE WITHIN THE WACKES / DACITIC TUFFS. THE HOLE ENDS IN A LAMPROPHYRE / BIOTITE SCHIST UNIT.

DRILLING SUMMARY: NO SULPHIDES ENCOUNTERED.

Downhole Surveys

Meterage	Dip	Azimuth
COLLAR	50	180
20.1	52	169
50.6	52	171
81	53.5	172
114.6	54.0	176
142.0	54.0	175
172.5	52.5	179
203.0	50.5	(280

Geores Codes From	To	Code
0	9.8	OVB
9.8	14.1	SAXB
14.1	14.3	MT
14.3	15.9	QZVN
15.9	17.4	SAXB
17.4	18.2	VEIN
18.2	27.4	SAXB
27.4	27.9	MT
27.9	28.9	SAXB
28.9	34.5	MT
34.5	35.7	SAXB
35.7	40.2	MT
40.2	42.7	SAXB
42.7	47.6	MT
47.6	50.7	SAXB
50.7	52.6	SA
52.6	53.6	MT
53.6	77.4	SA
77.4	78.1	QZVN
78.1	80.3	SA
80.3	80.9	QZVN
80.9	85.8	MT
85.8	92.2	SA
92.2	93.3	MT
93.3	94.2	SA

Geores Codes From	To	Code
94.2	98.1	MT
98.1	101.7	SA
101.7	102.4	MT
102.4	114.0	SA
114.0	117.7	MT
117.7	127.4	SA
127.4	128.5	MT
128.5	130.1	SA
130.1	140.0	SQXR
140.0	147.6	SA
147.6	160.9	SKXB
160.9	161.3	MT
161.3	164.4	SKXB
164.4	165.0	MT
165.0	191.9	SK
191.9	205.1	FF
205.1	210.8	SK
210.8	210.9	MD
210.9	211.2	VEIN
211.2	212.1	MD
MORE CODES & INTERVALS ON PAGE 2		

Reactivity with HCl From	To	Code
TUFFS		S
MUDSTONES		L
"WACKES"		W-L

Assays Job #

From	To	Sample No	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
NO ASSAYS										

Hole # 95-109	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No 2 of 4
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georas?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georas Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
50.7	52.6	S	S	SA	MUDST. / ARG. Schistosity @ ∠ typical to regional ie. high ∠ to ca ⇒ Different FAULT BLOCK ie. through FLT ZONE?. Very similar to SAxB above. Termed SA simply to denote contrast to UNITS IN FAULT ZONE ABOVE ie. @ different c/a ∠.							75
52.6	53.6	S	S	MT.	MAFIC TUFF / PHYLLITE. As in 35.7 - 40.2							
53.6	77.4	S	S	SA (MT)	MUDSTONE / ARGILLITE WITH MAFIC TUFF COMPONENT. Local THIN QTZ WACKE BEDS TO 1cm wide @ 59.6 + 63.2. S_2 typically @ 70°. "S_1" Compositional Banding commonly sub// to ca to 70°						5-70	70
77.4	78.1	S	S_{70}	QZVN	BULL QZVN.							
78.1	80.3	S_{70}	S	SA	MUDST / ARGILLITE. As in 53.6-77.4							
80.3	80.9	S	S_{75}	QZVN	BULL QZVN							
80.9	85.8	$S_{\perp}$	G	MT	MAFIC TUFF / PHYLLITE. As in 35.7-40.2							80
85.8	92.2	G	S	SA	MUDSTONE / ARGILLITE. As in 53.6-77.4 Core is blocky with intervals typically 5-10 cm but on the whole, intact.							
92.2	93.3	S	S	MT	MAFIC TUFF. As in 35.7-40.2							
93.3	94.2	S	S	SA	MUDST / ARG. As in 53.6-77.4							80
94.2	98.1	S	S	MT (SA)	MAFIC TUFF WITH MINOR THIN MUDSTONE INTER BEDS. Calcite veins / veinlets to several cm wide present locally.							
98.1	101.7	S	S	SA	MUDST. / ARG. As in 53.6-77.4. QZVN @ 100.8-100.9							
101.7	102.4	S	S	MT	MAFIC TUFF. As in 35.7-40.2							
102.4	114.0	S	S	SA	MUDST / ARG. As in 53.6-77.4. S_1 banding sub// to c/a locally. S_2 well developed @ 80° Thin Gouge Zone btwn 103.0 - 103.1.						5-80	80

HOLE # 95-109

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys

Meterage	Dip	Azimuth

Geores Codes CONTINUED			Geores Codes			Reactivity with HCl			Assays Job #										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
14.0	14.1	FLT																	
18.8	19.6	FLT																	
26.6	27.4	FLT																	
28.4	29.1	FLT																	
29.4	32.4	FLT																	
36.1	36.6	FLT																	
40.0	40.1	FLT																	
47.0	47.2	FLT																	
50.0	50.7	FLT																	
103.0	103.1	FLT																	
123.0	126.8	FLT																	
147.9	148.5	FLT																	
150.5	151.0	FLT																	
156.5	156.6	FLT																	
161.8	161.9	FLT																	
165.0	166.2	FLT																	
193.2	193.4	FLT																	

Hole # 95-109	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No 3 of 4
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
114.0	117.7	S	G	MT.	MAFIC TUFF. As in 35.7 – 40.2. BASE IS GRADATIONAL INTO MUDST. UNIT.							80
117.7	127.4	G	G	SA	MUDST./ARG. As in 53.6 – 77.4. Core is more pokerchip like btwn 122.2 – 127.4 with many 1-2 cm wide gouge zones parallel to S_2. One longer gouge zone @ 123.8 – 123.9.							80
127.4	128.5	G	G	MT	MAFIC TUFF. As in units above. Core is competent.							
128.5	130.1	G	G	SA	MUDST./ARG. As in 53.6 – 77.4. Core is competent.							
130.1	140.0	G	G 80	SQXR	QUARTZITE. Light grey with thin mica partings. Qtzite bands typically 1cm wide. S_2 is @ 80°, however S_1 banding in quartzite runs sub parallel to ca to 1 loca. Unit is fine to very fine grained. Very similar to thin SQ unit @ Top of DDH 94-19 @ base of Mudst's. Core is competent. Locally blocky. Unit is gradational into adjacent Mudstones.						0-80	80
140.0	147.6	G	G	SA	MUDST / ARG. Not unlike SA units above except greater chlorite component ie. blacker & also Pyrrhotite. Po occurs as large blebs & thin discontinuous laminae. Likely formed in a more euxinic depositional setting. Gradational into tuffaceous unit below.	2-4	1-3					80
147.6	160.9	G	S	SKXB	WACKE. (Possible Biotitic Dacitic Fine Lapilli Tuff) Light to medium green/grey rock with biotite speckling. Transitional with upper Mudstones. Transition zone also rich in gouged & fragmented material. S_2 X's @ high angle to core axis. Unit exhibits a striped banded character due to phyllosilicate + qtz/feldspar segregation. Rock is generally fine to medium grained with local phyllosilicate (Muss. +/- Biotite +/- Chlorite) rich bands. Locally calcareous.	1-4						75
160.9	161.3	S	S	MT	MAFIC TUFF. Light to medium green phyllite with calcite bands. Quite calcareous. Fine x'lline cc rhombs							80
161.3	164.4	S	S	SKXB	WACKE. As in 147.6-160.9.							
164.4	165.0	S	S	MT	MAFIC TUFF. Very similar to unit in 161.3-164.4. CONTACTS marked by wider calcite banding/veins // to S_2.							
165.0	191.9	S	S	SK	WACKE. Unit very similar to unit between 147.6-160.9. It exhibits a coarser grained gritty character with flattened clastic qtz fragments (lapilli?) between 174.0 – 179.7. Basal 6 m are very fine grained / phyllitic with v. f.g. Biotite. Calcite +/- qtz augen are common. (DACITIC LAPILLI TUFFS / ASH TUFFS ??)		Tr.					

Hole # 95-109	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 4 of 4
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S
191.9	205.1	S	S	FF	FELSIC FLOW / RHYOLITE. Dense, aphanitic. Light grey / green with local buff sections. Upper 4.5 m are fractured + broken + healed by BULL QZVNS to 20 cm wide								
205.1	210.8	S	S.	SK	WACKE. As described above. Basal 1.5 M is gritty in character (Lapilli?) Coarser Bi + Py specks locally impart peppery appearance → HORNFELSING?. due to UNIT below (MD)								
210.8	210.9	S	S	MD	BIOTITE CALCITE SCHIST → MAFIC DIKE / LAMPROPHYRE. Thin calcite bands present.								
210.9	211.2	S	S	VEIN	CALCITE VEIN.								
211.2	212.1	S	S	MD	BIOTITE CALCITE SCHIST. As above. Calcite porphyroblasts + bands present locally.								
			EOH.										

Hole # 95-113	Log By: TCS	Easting: 415242.7	Commenced	27	04	95	Recovery	Length 221.3	Core Size NQ	Card No 1	of 6
Stick up:	Collar Elevation :	Northing: 6815525.7	Completed	29	04	95	Collar Dip 45	Azimuth 090	Assays? 1	Coded?	Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S
0	5.6	-	U	OVB	Overburden								
5.6	5.8	U	S	QZVN	Quartz vein and Felsic Volcanic fragments.								
5.8	8.4	S	G	MT	Mafic tuff. Fine grained with bands of carbonate. Now chlorite with minor biotite.							30	
8.4	10.7	G	S	SAXB	Argillite Chlorite + Quartz + carbonate banded Schist with intercalations of mafic tuff.								
10.7	11.0	S	S	QZVN	Bull Quartz								
11.0	17.0	S	S	SA	Sheared and Fractured argilite Partially oxidized by groundwater						05	40	
17.0	19.3	S	S	MT	Mafic tuff fine grained with bands of Carbonate. Now rock is chlorite with minor biotite								
19.3	22.0	S	S	SA	Argilite with carbonate bands and minor intercalated mafic tuff. Small scale folding present.							30	
22.0	22.7	S	S	MT	Mafic tuff Fine grained chlorite and biotite with bands of quartz + Carbonate + Sericite Stretched in the foliation. 3cm quartz vein @ 22.6.							30	
22.7	28.3	S	U	SA	Argilite with carbonate and Quartz bands. Larger Quartz-carbonate veins present @ 25.8 to 26.0, 26.8 to 27.3 with mixed Argilite. Veins are all parallel to foliation							30	
28.3	31.2	U	S	MT	Mafic tuff. Fine grained chlorite and biotite with bands of quartz and Carbonate							30	
31.2	32.3	S	S	SL	Limestone/dolostone Beige massive with intercalations of MT and Cross cutting Quartz veins. disrupted bedding with intercalated MT suggests slump deposit with tops to top of Hole								
32.3	32.7	S	S	QZVN	Quartz-carbonate vein. with veinlets of Py and Chlorite-biotite gangue								
32.7	33.6	S	G	MT	Mafic tuff. Fine grained chlorite and biotite with folded quartz-carbonate veins and late Quartz + carbonate veins orthogonal to foliation with Py.							30	

HOLE # 95-113

SUMMARY LOG: Hole was collared in interbedded mafic tuffs and mudstones/argillite @ 5.6 m. The first felsic volcanics was intersected @ 33.6 m. There are several interbeds of SX but may also be dykes (MD). The main fault of interest was encountered @ ~201.5 m in felsic volcanics and continued to the end of the hole where SA and FF(QZVN?) were encountered on the down drop side (east) of the fault. NO ore nor alteration intersected

DRILLING SUMMARY:

Downhole Surveys

Meterage	Dip	Azimuth
Collar	45	80
13.7	44	76
47.9	47.5	80
71.9	48.5	83.5
102.4	49	86
132.9	50.5	91
166.4	56	100
196.9	57	101
218	57	101

Geores Codes From	To	Code
0	5.6	OVB
5.6	5.8	QZVN
5.8	8.4	MT
8.4	10.7	SA×B
10.7	11.0	QZVN
11.0	17.0	SA
17.0	19.3	MT
19.3	22.0	SA
22.0	22.7	MT
22.7	28.3	SA
28.3	31.2	MT
31.2	32.3	SL
32.3	32.7	QZVN
32.7	33.6	MT
33.6	45.0	FWXB
45.0	45.4	SA
45.4	57.7	FWXB
57.7	59.2	SX
59.2	76.4	FWXL
76.4	76.5	OF
76.5	79.5	FW
79.5	81.1	SK
81.1	88.5	FF
81.1	84.1	FLT
88.5	90.7	FZXR

Geores Codes From	To	Code
90.7	90.9	QZVN
90.9	95.2	FZXR
95.2	95.5	SX
95.5	96.8	FTL
96.8	97.8	SX
97.8	98.8	FTL
98.8	103.9	FZXF
103.9	104.4	SX
104.4	106.9	FXXF
106.9	107.7	SX
107.7	115.8	FWXR
115.8	125.4	FFXB
125.4	126.8	MT
126.8	132.1	FZXR
132.1	134.6	MD
134.6	144.1	FZXF
144.1	150.1	FWX2
150.1	150.4	QZVN
150.4	151.4	FWI
151.4	153.0	FTLE
153.0	165.2	FW
153.9	154.2	FLT
165.2	165.5	QZVN
165.5	167.9	FW
167.9	170.9	SX/MD

Reactivity with HCl From	To	Code
5.8	8.4	LS
8.4	10.7	M-S
10.7	11.0	N
11.0	17.0	W-N
17.0	19.3	LS
19.3	28.3	S
28.3	32.7	LS
32.7	33.6	M
33.6	45.0	S-M
45.0	45.4	W
45.4	57.7	M
57.7	59.2	S
59.2	79.5	M
79.5	81.1	S
81.1	95.2	W-M
95.2	95.5	S
95.5	96.8	W-N
96.8	97.8	S
97.8	103.9	W-N
103.9	104.4	S
104.4	106.9	W-N
106.9	107.7	S
107.7	132.1	W-N
132.1	134.6	S
134.6	306.8	M-S

Assays Job #

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
NONE!!										

Hole # 95-113	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No. 2 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S
33.6	45.0	G	S	FWXB	Quartz-Sericite Schist with with laminae & bands and clasts/porphyroblasts of Carbonate. Buff to yellow color.							45	
45.0	45.4	S	S	SA	Argillite black minor banding								
45.4	57.7	S	G	FWXB	Quartz-Sericite Schist with laminae & bands and/or porphyroblasts of Carbonate (calcite)								
57.7	59.2	G	S	SX	Biotite rich Schist with disseminated Carbonate and Quartz-Carbonate bands Chocolate brown Fine grained.								
59.2	76.4	S	S	FWXL	Quartz-Sericite Schist with Carbonate fragments. Massive to poorly sorted locally banded. large concentration of Carbonate fragments @ 65.2 to 67.0 Suggest Carbonate entrained debris.								
76.4	76.5	S	S	QF	Vein/band of massive Py + Calcite		80						
76.5	79.5	S	G	FW	Quartz Sericite Schist with bands and clasts of carbonate.							40	
79.5	81.1	G	U	SK	Greywacke; Quartz-biotite Schist. banded to ribboned. grey-brown Section ends with broken core.								
81.1	88.5	U	S	FF	Fine grained to Aphanitic with an increasing Schistosity down hole. yellow grey to White FROM 81.1 to 84.1 ✓ section is highly fractured and broken. ✓ Py laminae in foliation	Tr-1							
81.1	84.1	S	S	FLT									
88.5	90.7	S	S	FZXR	Fine grained ribboned Quartz Sericite Schist. Possibly FF with Strong Foliation. Py laminae in Foliation	Tr-1						30	
90.7	90.7	S	S	QZVN	Quartz-Carbonate Vein								
90.9	95.2	S	S	FZXR	Fine grained ribboned to banded Quartz-Sericite Schist laminae of Py	Tr-1						30	
95.2	95.5	S	S	SX	Biotite rich Schist with abundant Carbonate								

HOLE # 95-113

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
Continued From			→			→													
Card # 1																			
170.9	179.9	FW				206.8	221.3	N											
179.9	184.7	QZVN																	
184.7	206.8	FW																	
201.5	202.4	FLT																	
202.4	203.9	FLT																	
206.9	209.1	FLT																	
206.8	213.7	SA/FF																	
213.7	215.9	FF																	
215.9	219.4	SA																	
209.7	219.4	FLT																	
219.4	221.3	FF																	
221.3	EOH																		

Hole # 95-113	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No 3 of 6
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georges?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georges Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
95.5	96.8	S	S	FTL	Quartz-Sericite Schist with Lapilli-Tuff texture. Poor preservation							
96.8	97.8	S	G	SX (MDS)	Biotite rich Schist with abundant Carbonate							35
97.8	98.8	G	G	FTL	Quartz Sericite Carbonate Schist with Lapilli Tuff texture. Poor preservation. Clasts /lapilli Stretched in the foliation							
98.8	103.9	G	S	FXF	Quartz Sericite Schist well foliated with fragmental texture local concentrations of 3-10 mm "fragments", and local concentrations/ bands of Po ± Py							
103.9	104.4	S	S	SX (MD?)	Biotite rich Schist with abundant Carbonate. Possible chill contact with downhole unit							
104.4	106.9	S	S	FXF	Quartz-Sericite Schist with fragmental texture. Buff-beige color. Variable amount of fragments along Section. Becomes more "fragmented" towards bottom of Section possible Lapilli volcaniclastic with poor normal grading.							40
106.9	107.7	S	S	SX	Biotite rich Schist with abundant carbonate. Interbeds of wacke 0.5 to 5cm wide							40
107.7	115.8	S	G	FWR	Quartz-Sericite Schist with carbonate bands and fragments. dominant ribboned texture. Laminae of Py±Po throughout.							
115.8	125.4	G	S	FFXB	Fine grained to Aphanitic Rhyolite/dacite with Spherolites, and bands of Po ± Py. Sericite ribbons define the foliation. Last 40 cm has anhedral porphyroblasts Suggesting Flow-sediment. chemical and physical exchange during Flow deposition.	Tr-1	Tr-1					45
125.4	126.8	S	S	MT	Green chlorite-Sericite-Quartz matic tuff. Small quartz-carbonate veins @ 126.4 to 126.6.							45
126.8	132.1	S	S	FZXR	Quartz-Sericite Schist well ribboned with Quartz carbonate lapilli. Lapilli? are abundant ~ 30% from 129.8 to 131.3. Possible remnant Lapilli Tuffs.							
132.1	134.6	S	G	MD	Biotite-chlorite Schist with Carbonate porphyroblasts. Based on other display Samples this should be called a dyke, although it is the same character as SX with the exception of the 1-2mm Porphyroblasts in the first meter. Section grades to FZXF over 20 cm.							50

Hole # 95-113	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size	Card No 4 of 6
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
134.6	144.1	G	G	FEXR	Quartz-Sericite Schist with good ribboned textute. Waxy yellow to grey. Apparent increase in Carbonate down hole.						45		
144.1	150.1	G	S	FWX2	Quartz Sericite Schist with bands and Lapilli? porphyroblasts of Carbonate						40		
150.1	150.4	S	S	QZVU	Quartz Carbonate Vein with Py concentrations and Veinlets								
150.4	151.4	S	S	FWI	Interbanded Quartz Sericite Schist with 2-5cm wide quartz veins								
151.4	153.0	S	S	FTLE	Graded Felsic lapilli tuff. Grading indicates bp to top of hole. Section is Calcareous.						35		
153.0	165.2	S	S	FW	Quartz-Sericite Schist with Carbonate bands and lapilli or porphyroblasts	Tr	Tr						
					Section is yellow-grey. Core break and Faulting @ 153.9					@153.8 →	27		
153.9	154.2	—	-	FLT	Traces of Py throughout Section					@152.3 →	20		
										@160.8 →	20		
										@162.2 →	15		
										@1652 →	45		
165.2	165.5	S	S	QZVN	Quartz carbonate Vein. Trace Py	Tr							
165.5	167.9	S	U	FW	Quartz-Sericite Schist with Carbonate bands and lapilli/porphyroblasts of Carbonate. Tr Po Dissemminations. Section ends in broken core		Tr				24		
167.9	170.9	U	G	SX/MD	Biotite rich Schist with 1mm Carbonate phenocrysts. Rhombic shape preserved in some. Banding also present. 1-3mm bands.						22		
170.9	179.9	G	S	FW	Quartz-Sericite Schist with Carbonate bands and lapilli/porphyroblasts of carbonate.								
										@172.2 →	25		
										@173.1 →	10		
										@175.6	<2		
										@178.0 →	0		
										@183.2 →	0		
179.9	184.7	S	U	QZVN	Bull Quartz.								

Hole # 95-113	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No. 5 of 6
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georeс?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georeс Code		Fol.	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
184.7	206.8	U	G	FW	Quartz - Sericite Schist with abundant Carbonate in matrix plus bands and lapilli / porphyroblasts of Carbonate. Fault gouge through much of the section.	@ 184.7						→	33	
206.5	202.4			FLT		@ 186.8						→	45	
202.9	203.9			FLT	Abundant lapilli and/or fragmentation by shear @ 196.9	@ 188.9						→	45	
206.9	209.1			FLT	Faulting and fault gouge @ 201.5 to 202.4, 202.9 to 203.9, 206.0 to 209.1	@ 190.8						→	20	
						@ 193.9						→	45	
						@ 196.9	Irregular folding / fault							
						@ 198.7 to 200.0						→	45	
						@ 200.0						→	35	
						@ 202.9							Irregular	
206.8	213.7	G	G	SA/FY	Chlorite Schist, black with quartz rich bands Strong shear / foliation. First 2m is fault gouge. Section has alot of Quartz veins or is interbedded with a FF or Quartzite through much of section	Fol. @ 209.1						→	30	
						209.3						→	0	
213.7	215.9	G	S	FF	Highly Siliceous and Sheared section. Near all quartz. Either a felsic flow or Quartzite or Quartz vein caught up in the shear foliation muscovite, chlorite and pyrite in the foliation.								0-5	
215.9	219.4	S	S	SA	Black chlorite ⇒ Argilite with Quartz rich bands Strong foliation								0-5	
209.7	219.4	—	—	FLT	Major Shear through Section									
219.4	221.3	S	EOH	FF	Fine grained to aphanitic Siliceous rock/flow with Shear foliation. Muscovite Chlorite + Py in foliation								25	

EOH @ 221.3

Extra Structure for upper Section

Hole # 95-113	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No. 6 of 6
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD — Extra Structure

Meters From	Meters To	Contact T	Contact B	Geores Code	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2		Description
5.6													Foliation 32°
5.8													Tension Fracture 145 rotated 80° ccw looking down hole to main foliation
6.5													Foliation 35°
7.9													Fol 39°
10.3													Fol 42° Bedding/banding displaced by foliation. bedding ~35
13.7													Fol 42 Shear bands 10 @ 90° to Foliation
17.0													Fol 42 Shear bands 0-5° @ 90° to Foliation
18.3													Fol 42 Quartz carbonate band in foliation but also folded with Axial plane 0 to core axis ~75° to Foliation
21.6													Fol 30 ; thrust fault associated with folding. Axial plane of folds & thust plane parallel to Foliation . Tension fracture 145 rotated 80° ccw looking down hole
25.5													Fol 32
34.7													Fol 32
39.0													Fol 45

Hole # 95-114	Log By: TCS	Easting 415242.7	Commenced	30	04	95	Recovery	Length 217.3	Core Size NQ	Card N	1	of 5
Stick up: 0.3	Collar Elevation: 1440	Northing: 6815523.2	Completed	02	05	95	Collar Dip 65	Azimuth 180	Assays? ✓	Coded: ✓	Geores?	

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
0	7.1	-	S	OVB	Overburden - boulders							
7.1	8.2	S	G	SAXB	Black chloride rich Schist, Argillite. Bands of Quartz + Carbonate. Some bands are boudinage.							80
8.2	8.8	G	G	MT	Mafic Tuff with Quartz Carbonate Veins parallel to foliation.							
8.8	11.1	G	G	SAXB	Black Chloride schist bands of Quartz and Carbonate. Also 3-5 cm intabd of Mafic Tuff. Ground water Fe-Stain in lower part of section							90
11.1	11.9	G	S	FTA	Felsic tuff. Fine grained Sericite + Quartz with more Silicous / Quartz rich bands. Fe-Stain in some fractures.							
11.9	12.7	S	S	SX	Chocolate brown biotite rich Sed. with 1mm Specks of biotite throughout							
12.7	21.6	S	G	FTA	Fine grained grey very Siliceous tuff. The first 30 cm is very Cherty and then the Section is more tuffaceous with thin bands. From 14.0 to 20.1 the Section has been Fe-Stained by ground water, oxidation of thin laminae of Py + Po	Tr-1	Tr-1					80
21.6	22.9	G	S	FTAP	Same as above but large quantity of Po		10					
22.9	24.1	S	G	SK	Biotitic grey wacke with thin laminae of Quartz + Carbonate. A couple of cross cutting Quartz + Po fractures.							
24.1	29.9	G	U	FTL	Fine grained (tuff) to lapilli sized particles. Poor Sorting to massive. grey - yellow							
29.9	30.8	U	S	FT? FLT	Fault and gouge of felsic tuff. oxidized by ground water section is brecciated							80
30.8	34.0	S	G	FTLF	Lapilli - tuff to Poorly Sorted debris Flow with angular Fragments Appears a chert or FT has been disrupted by debris flows, and caught up in the Flow.							
34.0	58.0	G	S	FTA	Fine grained tuffaceous unit Massive - Poor Sorting. The Section is quite homogeneous over its length with relatively minor color variation and grain Size variation. The Section is made up of a series of flows, possible debris flows. Occassional wisps of Py + Po @ runs @ 51.3 to 51.6, 52.1 to 52.4							80

HOLE # 95-114

SUMMARY LOG: Hole Collared in argillites @ 7.1 m. Hanging wall Sequence Contains both mafic and felsic rocks interbedded with Sedimentary rocks. From 88.7 to 159.9 the Section is a series of felsic tuffs - lapilli tuffs in which there is abundant chlorite alteration of possible lapilli. Suggestive of an extensive hydrothermal alteration beneath a VMS deposit Suggesting the section is in part overturned. The Strong alteration @ 184.2 and the appearance of Cp on top of the ore Support ~~DRILLING STOPPED~~ this. Hole ends in matic Volcanics which have been folded and Faulted.

Downhole Surveys

Meterage	Dip	Azimuth
Collar	65	180?
14.0	65.5	167
44.5	65.5	178
71.9	66	181.5
123.7	67.5	185
154.2	68	189
184.1	67.5	197
215.2	67	191.5

Geores Codes

From	To	Code
0	7.1	OVB
7.1	8.2	SAXB
8.2	8.8	MT
8.8	11.1	SAXB
11.1	11.9	FTA
11.9	12.7	SX
12.7	21.6	FTA
21.6	22.9	FTAP
22.9	24.1	SX
24.1	29.9	FTL
29.9	30.8	FT
30.8	34.0	FLT
34.0	58.0	FTA
58.0	59.2	SX
59.2	62.3	FTA
62.3	62.8	SQ
62.8	63.7	FTA
63.7	64.2	SQ
64.2	64.6	FTA
64.6	64.9	MD
64.9	65.8	FTA
65.8	68.9	FZXR
68.9	69.7	FTA
69.7	70.1	SQ

Geores Codes

From	To	Code
70.1	71.8	FTA
71.5	71.6	FLT
71.8	73.1	SX/MD
73.1	77.4	FTA
77.4	77.8	FLT
77.4	79.0	SX
79.0	85.5	ATM
85.5	88.7	FZXR
86.9	87.5	FLT
88.7	99.4	ISK
99.4	100.9	MT
100.9	103.0	ISK
103.0	104.2	MT
104.2	106.1	SK
106.1	108.0	MT
108.0	108.7	FTA
108.7	113.7	SK
113.7	115.9	MTXF
115.9	123.3	SK
123.3	123.8	FT
123.8	126.0	QFMD
126.0	129.9	SK
129.9	132.1	SK
132.1	137.0	ISK
137.0	139.8	FZXR

Reactivity with HCl

From	To	Code
7.1	11.1	S-M
11.1	11.9	W
11.9	12.7	S
12.7	22.9	LS
22.9	24.1	S
24.1	58.0	W-LM
58.0	59.2	S
59.2	64.6	W-LS
64.6	64.9	S
64.9	71.8	W-LS
71.8	73.1	S
73.1	77.4	W
77.4	79.0	S
79.0	88.7	W
88.7	93.3	M-S
93.7	110.7	M-LS
110.7	123.8	M
123.8	126.0	W-M
126.0	129.9	M
129.9	132.1	S
132.1	137.0	W-M
137.0	139.8	N-W
139.8	143.9	W
143.9	159.9	M-W

Assays Job # 95-0226R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
186.7	188.2	R9508281	1.5				1.1		<10	
188.2	189.7	R9508282	1.5	3.92	1.12	3.39	E2025	204.7	1152	2.815
189.7	191.2	R9508283	1.5	0.30	0.81	5.59	60.2	59.1	382	0.659
191.2	192.7	R9508284	1.5	0.41	1.22	6.05	E2065	207.7	980	1.229
192.7	194.2	R9508285	1.5	0.35	1.48	7.21	E248	227.5	1080	1.414
194.2	195.7	R9508286	1.5	0.40	1.37	6.91	E270	255.6	1290	1.476
195.7	197.2	R9508287	1.5	0.33	1.63	8.92	E213	206.8	1110	1.598
197.2	198.7	R9508288	1.5	0.45	0.91	4.08	E272	261.4	1676	2.029
198.7	199.5	R9508289	0.8	0.30	0.96	4.53	E229	230.7	1684	1.834
199.5	161.0	R9508290	1.5				2.5		24	

Hole # 95-114	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No 2 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded	Geores?

COMINCO — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	Dip S3
58.0	59.2	S	S	SX	Biotite rich Schist. Weak banding, thin quartz veins cross cutting Foliation at a very shallow angle							80	75
59.2	62.3	S	G	FTA	Tuffaceous unit. massive Quartz-Sericite. weak banding to ribboned texture								
62.3	62.8	G	S	SQ	Siliceous rock with disrupted bands, and a fine grained Sandstone texture ⇒ Quartzite								
62.8	63.7	S	S	FTA	Tuffaceous unit as previous, with a thin interbedding of SX.								
63.7	64.2	S	S	SQ	As above Quartzite although the last 10cm as been cut by a small Quartz Carbonate vein.							70	
64.2	64.6	S	S	FTA	As previous tuff unit, however bedding/banding has been turned parallel to Core Axis						10	70	
64.6	64.9	S	S	MD	Biotite rich matic dyke. Unlike previous SX, this biotite rich Section has Chill margins? on both Sides.								
64.9	65.8	S	G	FTA	AS previous tuff units, a little more altered and Segregation of Quartz and Sericite bands								
65.8	68.9	G	G	FZXR	Quartz Sericite Schist with laminae of Py. Section appears to be under more Strain than the Surrounding Sections. Possible Rock types in this Section include SQ and FT.								
68.9	69.7	G	S	FTA	Fine grained grey massive tuff.							55	
69.7	70.1	S	S	SQ	Banded/bedded Quartzite.								
70.1	71.8	S	S	FTA	Felsic tuff interbedded with biotite rich Sediments.								
71.5	71.6	-	-	FLT	Fault gouge with thin band of Py.							80	35
71.8	73.1	S	S	SX/MD	Biotite rich Schist with interbeds of FT. Possible dyke with FT caught up in Section								
73.1	77.4	S	U	FTA	Felsic tuff, Grey Fine grained with Carbonate. Some Carbonate is dissolving producing Pits in the Core								

HOLE # 95-14

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys

Meterage	Dip	Azimuth

Georges Codes

From	To	Code
139.8	143.9	SK
143.9	146.1	FZ
145.7	146.1	FLT
146.1	159.9	FTXO
159.9	184.2	ATW
184.2	188.2	ATS
188.2	188.8	OAG
188.8	190.4	OA
190.4	199.5	OB
199.5	203.4	FWXR
203.4	204.2	QZUN
204.2	208.0	FWXR
208.0	210.4	MUX2
210.4	212.8	MNXB
210.4	212.8	FLT
212.8	214.2	MUX2
214.2	215.2	MNXB
215.2	217.3	MUX2
EOH @ 217.3		

Georges Codes

From	To	Code

Reactivity with HCl

From	To	Code
159.9	188.2	W
188.2	190.4	N
190.4	199.5	LS
199.5	208.0	W-M
208.0	217.3	S.

Assays Job #

From	To	Sample No	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T

Hole # 95-114	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card N: 3 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S
77.4	79.0	U	G	Sx	Biotite rich schist. With interbeds of chlorite schist. Local high populations of dolomite.								
79.0	85.5	G	G	ATM	Bright green chlorite Alteration. Almost the "Pistachio green". Section is massive. Fault gouge @ 82.1								
85.5	88.7	G	G	FZYR	Quartz Sericite Schist with ribboned texture. well foliated Trace Py disseminated.	Tr						65	
86.7	87.5	-	-	FLT	Fault in FZ.								
88.7 (Tim Says FTXO)	99.4	G	G	SK (ATM)	Chlorite alteration, almost pistachio green in Sections. Apparent protoliths include MT and FT Section has abundant carbonate/calcite							80	
99.4	100.9	G	G	MT	Chlorite Schist with carbonate laminae. Weak banding								
100.9 (FTXO)	103.0	G	S	SK (ATM)	Chlorite addition to a felsic tuff. Fine grained weak banding with trace Po		Tr						
103.0	104.2	S	G	MT	As previous mafic tuff abundant carbonate							80	
104.2 (FTXO)	106.1	G	S	SK (ATM)	Chlorite addition to a felsic tuff fine grained weak banding and mottling trace sulphide								
106.1	108.0	S	S	MT	chlorite-carbonate rich mafic tuff. weak banding								
108.0	108.7	S	G	FTA	Felsic tuff with weak chlorite alteration Trace Py+Po weak banded to mottled texture. local concentrations of Calcite	Tr	Tr						
108.7 (FTXO)	113.7	G	G	SK (ATM)	Chlorite alteration of felsic tuff remnant lapilli ⇒ Carbonate and Quartz. Green hue to whole section								
113.7	115.9	G	S	MTXC	Fine grained mafic tuff chlorite dominant with carbonate porphyroblasts/ Phenocryst and in matrix.							80	
115.9	122.3	S	G	SK (FTXO)	As previous								

Hole # 95-114	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size	Card No 4 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2
122.3	123.8	G	S	FT	Fe/Sic tuff, Quartz-Sericite Schist grey-yellow.							85
123.8	126.0	S	S	QZVN	Quartz Vein with tourmaline, carbonate and the flouresecent green Sulphate? or Silica based mineral also trace Py. FT has been caught up in the veining event.	Tr						
126.0	129.9	S	S	SK (ATM)	Fe/Sic tuff with chlorite mottled texture. Abundant carbonate in veins and dissemination. Quartz-Chlorite vein with hydraulic fracture/fill producing "Frankenstein Scar" between 127.3 to 128.6o. Mottling may be chloritized lapilli							
129.9	132.1	S	G	SX	Biotite rich Schist. massive to weakly banded. Carbonate Schist. Probable two units as Carbonate weakens and then increases rapidly and weakens again.							
132.1	137.0 (FTXO)	G	G	SK (ATM)	AS previous but no veining.							
137.0	139.8	G	G	FZVR	Quartz-Sericite Schist with weak ribboned texture. Disseminated and laminae of Py + Po	1-2	Tr-1					85
139.8	143.9 (FTXO)	G	G	SK (ATM)	AS previous							
143.9	145.7	G	S	FZ	Quartz Sericite Schist. Massive to weak banding. Light grey-yellow. Several Chlorite + Calcite tension fractures and minor Quartz veining. From							85
145.7	146.1			FLT	145.7 to 146.1 is fault gouge with tourmaline, carbonate and smashed up FZ. minor Py							
146.1	159.9	S	G	FTXO (ATM)	Felsic tuff with chlorite, sericite Quartz, and Carbonate Fine grained mottled to banded texture dissemination of Po + Py	Tr-1	3					75
159.9	184.2	G	S	ATW	Fine grained thin banding to massive. Wisps and laminae of Po+Py. Light green hue. Sericite + Quartz + Chlorite + Carbonate. Quartz vein with Carbonate and chlorite @ 165.1 to 165.3. Py + Po increase down hole. Appears to be a "peripheral Ore deposit. footwall alteration" as does the FTXO. section ends with small Quartz vein.	Tr-1	5					
184.2	188.2	S	S	ATS	Pervasive Carbonate alteration, with chloride porphyroblasts and wisps and laminae of Po. Also abundant Sericite, weak chlorite.		2					

Hole # 95-114	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size	Card N: 5 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded: Geores?

Meters		Contact		Geores	KUDZ ZE KAYAH DRILL RECORD	Sulphides %					Dip	
From	To	T	B	Code		Py	Po	Cp	Ga	Sp	S1	S2
188.2	188.8	S	G	OAG	Cp rich Mt+Py+Po weakly laminated rock	50	15	3		<1		
188.8	190.4	G	G	OA	Mt+Py laminated rock							85
190.4	199.5	G	S	OB	Weak OB, with several sections having a milled texture. local concentrations of Cp+Sp+tetrahedrite associated with abundant quartz carbonate. From 192.3 to 194.3 the core is broken through the milled sulphide. Carbonate is more abundant towards the base	80		<1		10		
199.5	203.4	S	S	FWXR	Quartz sericite schist with abundant carbonate (ankerite, Cc, dol) in a strong ribboned to banded texture. local concentrations of Chlorite and Po laminae Buff-yellow color.		2					
203.4	204.2	S	S	QZUN	Quartz-tourmaline-carbonate vein with minor chlorite gangue							
204.2	208.0	S	S	FWXR	Quartz-sericite schist with abundant carbonate in a strong ribboned texture chlorite is less abundant than in previous section.		2					75
208.0	210.4	S	G	MUX2	Chlorite carbonate schist with carbonate porphyroblasts							65
210.4	212.8	G	G	MNXB	Chlorite-carbonate-biotite schist with banded texture. This unit lies within a shear + fold zone and may be highly altered MUX4. concentration of biotite ranges from 5-60% in Section.							0 to 65
210.4	212.8			FLT?								
212.8	214.2	G	S	MUX2	Chlorite-carbonate schist with carbonate ppy stretched in the foliation							45
214.2	215.2	S	S	MNXB	As previous, Section ends with a quartz vein.							90-45
215.2	217.3	S	EOH	MUX2	Chlorite-carbonate schist with carbonate ppy stretched in the foliation							45

Hole # 95-113	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No 4 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
134.6	144.1	G	G	FEXR	Quartz-Sericite Schist with good ribboned textule. Waxy-yellows to grey. Apparent increase in Carbonate down hole.						45		
144.1	150.1	G	S	FWX2	Quartz Sericite Schist with bands and Lapilli? porphyroblasts of Carbonate						40		
150.1	150.4	S	S	QZVU	Quartz Carbonate Vein with Py concentrations and Veinlets								
150.4	151.4	S	S	FWI	Interbanded Quartz Sericite Schist with 2-5cm wide quartz veins								
151.4	153.0	S	S	FTLE	Graded Felsic lapilli tuff. Grading indicates top to top of hole. Section is calcareous.						35		
153.0	165.2	S	S	FW	Quartz-Sericite Schist with Carbonate bands and lapilli or porphyroblasts	Tr	Tr						
					Section is yellow-grey. Core break and Faulting @ 153.9								
					@153.8 →						27		
153.9	154.2	—	-	FLT	Traces of Py throughout Section								
					@152.3 →						20		
					@160.3 →						20		
					@162.2 →						15		
					@165.2 →						45		
165.2	165.5	S	S	QZVN	Quartz carbonate Vein. Trace Py	Tr							
165.5	167.9	S	U	FW	Quartz-Sericite Schist with Carbonate bands and lapilli/porphyroblasts of Carbonate Tr Po Jissemination. Section ends in broken core		Tr				24		
167.9	170.9	U	G	SX/MD	Biotite rich Schist with 1mm Carbonate phenocrysts. Rhombic shape preserved in some. Banding also present. 1-3mm bands.						22		
170.9	179.9	G	S	FW	Quartz-Sericite Schist with Carbonate bands and lapilli/porphyroblasts of carbonate.								
					@172.2 →						25		
					@173.1 →						10		
					@175.6 →						<2		
					@178.0 →						0		
					@183.2 →						0		
179.9	184.7	S	U	QZVN	Bull Quartz.								

Hole # 95-113	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No. 5 of 6
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georges?

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georges Code		Fol.	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S3
184.7	206.8	U	G	FW	Quartz - Sericite Schist with abundant Carbonate in matrix plus bands and lapilli / porphyroblasts of Carbonate. Fault gouge through much of the section.	@ 184.7							33	
206.5	202.4			FLT		@ 186.8							45	
202.9	203.9			FLT	Abundant lapilli and/or fragmentation by shear @ 196.9	@ 188.9							45	
						@ 190.8							20	
						@ 193.9							45	
206.9	209.1			FLT	Faulting and fault gouge @ 201.5 to 202.4, 202.9 to 203.9, 206.0 to 209.1	@ 196.9	Irregular folding + fault							
						@ 198.7 to 200.0							45	
						@ 200.0							35	
						@ 202.9							Irregular	
206.8	213.7	G	G	SA/FY	Chlorite Schist black with quartz rich bands Strong shear / foliation. First 2 m is fault gouge, Section has alot of Quartz Wins or is interbedded with a FF or Quartzite through much of section	Fol. @ 209.1							30	
						209.3							0	
213.7	215.9	G	S	FF	Highly Siliceous and Sheared section Near all Quartz. Either a felsic flow or Quartzite or Quartz vein caught up in the shear foliation muscovite, chlorite and Pyrite in the foliation.								0-5	
215.9	219.4	S	S	SA	Black chlorite ⇒ Argillite with Quartz rich bands Strong foliation								0-5	
209.7	219.4	—	—	FLT	Major Shear through Section									
219.4	221.3	S	EOH	FF	Fine grained to aphanitic Siliceous rock/flow with Shear foliation. Muscovite Chlorite + Py in foliation								25	

EOH @ 221.3

Extra Structure for Upper Section

Hole # 95-113	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No. 6 of 6
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD — Extra Structure

Meters From	Meters To	Contact T	Contact B	Geores Code	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2		Description
5.6													Foliation 32° to main foliation
5.8													Tension Fracture 145 rotated 80° ccw looking down hole
6.5													Foliation 35°
7.9													Fol 39°
10.3													Fol 42° Bedding / banding displaced by foliation, bedding ~ 35
13.7													Fol 42 Shear bands 10 @ 90° to Foliation
17.0													Fol 42 Shear bands 0-5° @ 90° to Foliation
18.3													Fol 42 Quartz carbonate band in Foliation but also folded with Axial plan. 0 to core axis ~ 75° to Foliation
21.6													Fol 30 ; thrust fault associated with folding. Axial plane of Folds & thust plane parallel to Foliation , Tension Fracture 145 rotated 80° ccw looking down hole
25.5													Fol 32
34.7													Fol 32
39.0													Fol 45

Hole # 95-114	Log By: TCS	Easting: 415242.7	Commenced: 30 04 95	Recovery	Length: 217.3	Core Size: NQ	Card N: 1 of 5
Stick up: 0.3	Collar Elevation: 1440	Northing: 6815523.2	Completed: 02 05 95	Collar Dip: 65	Azimuth: 180	Assays? ✓	Coded: ✓ Geores:

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
0	7.1	-	S	OVB	Overburden - boulders							
7.1	8.2	S	G	SAXB	Black chloride rich Schist, Argillite. Bands of Quartz + Carbonate. Some bands are boudinage.							80
8.2	8.8	G	G	MT	Mafic Tuff with Quartz Carbonate Veins parallel to foliation.							
8.8	11.1	G	G	SAXB	Black Chloride Schist bands of Quartz and Carbonate. Also 3-5 cm intervals of Mafic Tuff. Ground water Fe-Stain in lower part of section.							90
11.1	11.9	G	S	FTA	Felsic tuff, Fine grained Sericite + Quartz with more Siliceous / Quartz rich bands. Fe-Stain in some fractures.							
11.9	12.7	S	S	SX	Chocolate brown biotite rich Sed. with 1mm specks of biotite throughout							
12.7	21.6	S	G	FTA	Fine grained grey very Siliceous tuff. The First 30 cm is very Cherty and then the Section is more tuffaceous with thin bands. From 14.0 to 20.1 the Section has been Fe-stained by ground water, oxidation of thin laminae of Py + Po	Tr-1	Tr-1					80
21.6	22.9	G	S	FTAP	Same as above but large quantity of Po		10					
22.9	24.1	S	G	SK	Biotitic grey wacke with thin laminae of Quartz + Carbonate. A couple of cross cutting Quartz + Po fractures.							
24.1	29.9	G	U	FTL	Fine grained (ash) to lapilli sized particles. Poor Sorting to massive. grey - yellow							
29.9	30.8	U	S	FT? FLT	Fault and gouge of felsic tuff. oxidized by ground water section is brecciated							80
30.8	34.0	S	G	FTLF	Lapilli - tuff to poorly sorted debris flow with angular fragments Appears a sheet or FT has been disrupted by debris flows, and caught up in the flow.							
34.0	58.0	G	S	FTA	Fine grained tuffaceous unit Massive - Poor Sorting. The Section is quite homogeneous over its length with relatively minor color variation and grain size variation. The Section is made up of a series of flows, possibly debris flows. Occassional wisps of Py + Po @ runs @ 51.3 to 51.6, 52.1 to 52.4							80

HOLE # 95-114

SUMMARY LOG: Hole Collared in argillites @ 7.1 m. Hanging wall Sequence Contains both mafic and felsic rocks interbedded with Sedimentary rocks. From 88.7 to 159.9 the Section is a series of felsic tuffs - lapilli tuffs in which there is abundant chlorite alteration of possible lapilli. Suggestive of an extensive hydrothermal alteration beneath a VMS deposit Suggesting the section is in part overturned. The Strong alteration @ 184.2 and the appearance of Sp on top of the ore Support ~~DOWNING ESTIMATE~~ this. Hole ends in matic Volcanics which have been folded and Faulted.

Downhole Surveys

Meterage	Dip	Azimuth
Collar	65	180?
14.0	65.5	167
44.5	65.5	178
71.9	66	181.5
123.7	67.5	185
154.2	68	189
184.1	67.5	197
215.2	67	191.5

Geores Codes

From	To	Code
0	7.1	OVB
7.1	8.2	SA×B
8.2	8.8	MT
8.8	11.1	SA×B
11.1	11.9	FTA
11.9	12.7	SX
12.7	21.6	FTA
21.6	22.9	FTAP
22.9	24.1	SX
24.1	29.9	FTL
29.9	30.8	FT
29.9	30.8	FLT
30.8	34.0	FTLF
34.0	58.0	FTA
58.0	59.2	SX
59.2	62.3	FTA
62.3	62.8	SQ
62.8	63.7	FTA
63.7	64.2	SQ
64.2	64.6	FTA
64.6	64.9	MD
64.9	65.8	FTA
65.8	68.9	FZ×R
68.9	69.7	FTA
69.7	70.1	SQ

Geores Codes

From	To	Code
70.1	71.8	FTA
71.5	71.6	FLT
71.8	73.1	SX/MD
73.1	77.4	FTA
77.4	77.8	FLT
77.4	79.0	SX
79.0	85.5	ATM
85.5	88.7	FZXR
86.9	87.5	FLT
88.7	99.4	SK
99.4	100.9	MT
100.9	103.0	SK
103.0	104.2	MT
104.2	106.1	SK
106.1	108.0	MT
108.0	108.7	FTA
108.7	113.7	SK
113.7	115.9	MT×C
115.9	123.3	SK
123.3	123.8	FT
123.8	126.0	QMINV
126.0	129.9	SK
129.9	132.1	SK
132.1	137.0	SK
137.0	139.8	FZXR

Reactivity with HCl

From	To	Code
7.1	11.1	S-M
11.1	11.9	W
11.9	12.7	S
12.7	22.9	LS
22.9	24.1	S
24.1	58.0	W-LM
58.0	59.2	S
59.2	64.6	W-LS
64.6	64.9	S
64.9	71.8	W-LS
71.8	73.1	S
73.1	77.4	W
77.4	79.0	S
79.0	88.7	W
88.7	93.3	M-S
93.7	110.7	M-LS
110.7	123.8	M
123.8	126.0	W-M
126.0	129.9	M
129.9	132.1	S
132.1	137.0	W-M
137.0	139.8	N-W
139.8	143.9	W
143.9	159.9	M-W

Assays Job # 95-0226R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
186.7	188.2	R9508281	1.5				1.1		<10	
188.2	189.7	R9508282	1.5	3.92	1.12	3.39	E2025	204.7	1152	2.815
189.7	191.2	R9508283	1.5	0.20	0.81	5.59	60.2	59.1	382	0.659
191.2	192.7	R9508284	1.5	041	1.22	6.05	E206.5	207.7	980	1.229
192.7	194.2	R9508285	1.5	0.35	1.48	7.21	E248	227.5	1080	1.414
194.2	195.7	R9508286	1.5	0.40	1.37	6.91	E270	255.6	1290	1.476
195.7	197.2	R9508287	1.5	0.33	1.63	8.92	E213	206.8	1110	1.598
197.2	198.7	R9508288	1.5	0.45	0.91	4.08	E272	261.4	1676	2.029
198.7	199.5	R9508289	0.8	0.30	.0.96	4.53	E227	230.7	1684	1.834
199.5	201.0	R9508290	1.5				2.5		24	

Hole # 95-114	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No 2 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip St	S2	S3
58.0	59.2	S	S	SX	Biotite rich Schist. Weak banding, thin quartz veins cross cutting Foliation at a very shallow angle							80	75
59.2	62.3	S	G	FTA	Tuffaceous unit. massive quartz-sericite. weak banding to ribboned texture.								
62.3	62.8	G	S	SQ	Siliceous rock with disrupted bands, and a fine grained Sandstone texture ⇒ Quartzite								
62.8	63.7	S	S	FTA	Tuffaceous unit as previous, with a thin interbedding of SX.								
63.7	64.2	S	S	SQ	As above Quartzite although the last 10cm as been cut by a small quartz carbonate vein.							70	
64.2	64.6	S	S	FTA	As previous tuff unit, however bedding/banding has been turned parallel to Core Axis						10	70	
64.6	64.9	S	S	MD	Biotite rich matic dyke. Unlike previous SX, this biotite rich Section has Chill margins? on both sides.								
64.9	65.8	S	G	FTA	As previous tuff units, a little more altered and segregation of Quartz and Sericite bands.								
65.8	68.9	G	G	FZXR	Quartz Sericite Schist with laminae of Py. Section appears to be under more strain than the surrounding sections. Possible Rock types in this section include SQ and FT.								
68.9	69.7	G	S	FTA	Fine grained grey massive tuff.							55	
69.7	70.1	S	S	SQ	Banded/bedded Quartzite.								
70.1	71.8	S	S	FTA	Felsic tuff interbedded with biotite rich Sediments.								
71.5	71.6	-	-	FLT	Fault gouge. with thin band of Py.							80	35
71.8	73.1	S	S	SX/MD	Biotite rich Schist with interbeds of FT. Possible dyke with FT caught up in section								
73.1	77.4	S	U	FTA	Felsic tuff, Grey Fine grained with Carbonate. Some Carbonate is dissolving producing Pits in the core								

HOLE # 95-114

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys

Meterage	Dip	Azimuth

Georeс Codes

From	To	Code
139.8	143.9	LSK
143.9	146.1	FZ
145.7	146.1	FLT
146.1	159.9	FJXO
159.9	184.2	ATW
184.2	188.2	ATS
188.2	188.8	OAG
188.8	190.4	OA
190.4	199.5	OB
199.5	203.4	FWXR
203.4	204.2	QZUN
204.2	208.0	FWXR
208.0	210.4	MUXQ
210.4	212.8	MNXB
210.4	212.8	FLT
212.8	214.2	MUXQ
214.2	215.2	MNXB
215.2	217.3	MUXQ
EOH @ 217.3		

Georeс Codes

From	To	Code

Reactivity with HCl

From	To	Code
159.9	188.2	W
188.2	190.4	N
190.4	199.5	LS
199.5	208.0	W-M
208.0	217.3	S.

Assays Job #

From	To	Sample No	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T

Hole # 95-114	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card N: 3 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S
77.4	79.0	U	G	SX	Biotite rich schist. With interbeds of chlorite schist. Local high populations of dolomite.								
79.0	85.5	G	G	ATM	Bright green chlorite Alteration. Almost the "Pistachio green". Section is massive. Fault gouge @ 82.1								
85.5	88.7	G	G	FZXR	Quartz Sericite Schist with ribboned texture. well foliated Trace Py disseminated.	Tr						65	
86.9	87.5	-	-	FLT	Fault in FZ.								
88.7 (Tim Says FTXO)	99.4	G	G	SK (ATM)	Chlorite alteration almost pistachio green in sections. Apparent pistolitis include MT and FT Section has abundant carbonate/calcite.							80	
99.4	100.9	G	G	MT	Chlorite Schist with carbonate laminae. Weak banding								
100.9 (FTXO)	103.0	G	S	SK (ATM)	Chlorite addition to a felsic tuff. Fine grained weak banding with trace Po		Tr						
103.0	104.2	S	G	MT	As previous matic tuff abundant carbonate							80	
104.2 (FTXO)	106.1	G	S	SK (ATM)	Chlorite addition to a felsic tuff fine grained weak banding and mottling trace Sulphide								
106.1	108.0	S	S	MT	Chlorite -carbonate rich matic tuff. weak banding								
108.0	108.7	S	G	FTA	Felsic tuff with weak chlorite alteration Trace Py+Po weak banded to mottled texture. local concentrations of Calcite	Tr	Tr						
108.7 (FTXO)	113.7	G	G	SK (ATM)	Chlorite alteration of Felsic tuff. remnant Lapilli ⇒ Carbonate and Quartz. Green hue to whole section								
113.7	115.9	G	S	MTXC	Fine grained matic tuff chlorite dominant with carbonate porphyroblasts/ phenocryst. and in matrix.							80	
115.9	122.3	S	G	SK (FTXO)	As previous								

Hole # 95-114	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card N: 5 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded: Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
188.2	188.8	S	G	OAG	Sp rich Mt+Py+Po weakly laminated rock	50	15	3		<1		
188.8	190.4	G	G	OA	Mt+Py laminated rock							85
190.4	199.5	G	S	OB	Weak OB, with several sections having a milled texture. local concentrations of Sp+Sz+tetrahedrite associated with abundant quartz carbonate. From 192.3 to 194.3 the core is broken through the milled sulphide. Carbonate is more abundant towards the base	80		<1		10		
199.5	203.4	S	S	FWXR	Quartz sericite Schist with abundant Carbonate (ankerite, cc, dol) in a strong ribboned to banded texture. local concentrations of Chlorite and Po laminae Buff-yellow color.		2					
203.4	204.2	S	S	QZUN	Quartz-tourmaline-carbonate vein with minor chlorite gangue							
204.2	208.0	S	S	FWXR	Quartz-Sericite Schist with abundant Carbonate in a strong ribboned texture Chlorite is less abundant than in previous section.		2					75
208.0	210.4	S	G	MUX2	Chlorite Carbonate Schist with carbonate porphyroblasts							65
210.4	212.8	G	G	MNXB	Chlorite-Carbonate-biotite Schist with banded texture. This unit lies							0
210.4	212.8			PLT?	within a Shear + Fold zone and may be highly altered MUX4. concentration of biotite ranges from 5-60% in Section.							to 65
212.8	214.2	G	S	MUX2	Chlorite-carbonate Schist with Carbonate ppy Stretched in the foliation							45
214.2	215.2	S	S	MNXB	As previous, Section ends with a quartz vein.							70-45
215.2	217.3	S	EOH	MUX2	Chlorite-carbonate Schist with Carbonate ppy Stretched in the foliation							45

Hole #	95-115	Log By:	HCS	Easting:	415251.4	Commenced	28	4	95	Recovery		Length	148.1	Core Size	NQ	Card No	1	of	3
Stick up:	0.3	Collar Elevation :	1446	Northing:	6815354.7	Completed	29	4	95	Collar Dip	45	Azimuth	180	Assays?	YES	Coded?	✓	Geores?	

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	18.3	–	U	OVB	OVERBURDEN . CASING LEFT IN HOLE FOR POSSIBLE EXTENSION								
18.3	26.4	U	S	SAXB	MUDSTONE/ARGILLITE. DARK GREY/CARBONACEOUS WITH LIGHT GREY CALCAREOUS BANDS. IDENTICAL To UNITS ENCOUNTERED IN 95-109, 110 & 94-32. Core is generally friable & blocky. Gouge is developed locally. Blocky intervals are 1-10 cm in length. Main cleavage fabric is at 70°.							70.	
26.4	27.6	S	S_{45}	QZVN	WHITE BULL QZVN. CONTACTS WITH UNIT BELOW @ 45°.								
27.6	39.5	S	G	SAXB	MUDST./ARGILLITE. As above. Core still blocky but 10 cm long blocks not uncommon. Generally a "less fractured" interval than that above.						5-70	70	
39.5	40.3	G	G	MT.	MAFIC TUFF. Light-med. green chloritic phyllite. Contacts are gradational/intercalated with adjacent mudstones. Weak to strongly calcareous.								
40.3	48.7	G	S	SAXB.	MUDST/ARG. As above. Thin gouge zones (to several cm) locally. Very carbonaceous.							70	
48.7	51.3	S	G	MT.	MAFIC TUFF. As in 39.5-40.3. 'S' type. Banding/Layering evident.						5-70	70	
51.3	56.1	G	S	SAXB.	MUDST./ARG. As above.								
56.1	56.5	S	S	MT.	MAFIC TUFF. As above.								
56.5	56.8	S	S	VEIN	QTZ + CC VEIN.								
56.8	62.4	S	S	MT.	MAFIC TUFF. As above. Basal meter & ½ are darker green in hue. Core is reasonably competent with blocky intervals typical 5-15 cm.							70	
62.4	65.9	S	G	SAXB.	MUDST/ARG. As above. Mod. intercalated, mafic tuffaceous component.								
65.9	66.6	G	S	MT	MAFIC TUFF. As above.								
66.6	75.6	S	S	SAXB	MUDST/ARG. As above. Thin qtz + calcite vein @ 75.2-75.3.							65	
75.6	76.0	S	S	MT	MAFIC TUFF.								
76.0	78.2	S	S	SAXP	MUDST/ARG. Very similar to above units ie. Carbonaceous, variably calcareous & thin laminated. Unit contains conspicuous Fe Sulphides with trace Cp along thin laminae & locally siliceous beds. Po is dominant with minor pyrite. Qtz+Cc veinlets & silica flooded zones evident.	1-3	8-10	Tr.			5-65	65	

HOLE # 95-115

SUMMARY LOG: HOLE COLLARED ON EAST SIDE OF EAST FAULT. CORE AXIS ANGLES TO MAIN SCHISTOSITY FABRIC @ HIGH ANGLES THROUGHOUT. MUDSTONES WITH INTERBEDDED MAFIC TUFFS ENCOUNTERED TO 87.8 M @ WHICH THE DISTINCTIVE QUARTZITE UNIT OCCURS. IT IS 1.8 M THICK HERE. THE QUARTZITE IS UNDERLAIN BY 12 M OF MUDSTONE & MAFIC TUFF BEDS @ WHICH POINT DISTINCTIVE DACITIC LAPILLI TUFFS & ASH TUFFS OCCUR FOR 17m FOLLOWED BY A WACKE UNIT WHICH IS INTRUDED BY UNIT "FF". THE HOLE ENDS IN "FF". — CASING LEFT IN HOLE IN CASE DEEPER TEST TO ABM "TIME" DESIRED. A PYRRHOTITE LAMINATED MUDSTONE WITH

DRILLING SUMMARY: TRACE CP WAS SENT IN FOR ASSAY → AU WITHIN ?.

Downhole Surveys

Meterage	Dip	Azimuth
Collar	45	180
26.2	48	171
56.7	48.5	173
87.2	49.5	176
117.6	49.5	178
148.1	50	180

Geores Codes

From	To	Code
0	18.3	OVB
18.3	26.4	SAXB
26.4	27.6	QZVN
27.6	39.5	SAXB
39.5	40.3	MT
40.3	48.7	SAXB
48.7	51.3	MT
51.3	56.1	SAXB
56.1	56.5	MT
56.5	56.8	VEIN
56.8	62.4	MT
62.4	65.9	SAXB
65.9	66.6	MT
66.6	75.6	SAXB
75.6	76.0	MT
76.0	78.2	SAXP
78.2	78.4	MT
78.4	81.0	SAXB
81.0	81.4	MT
81.4	82.0	SAXB
82.0	82.2	MT
82.2	84.6	SAXB
84.6	85.6	MT
85.6	87.8	SAXB
87.8	89.6	SQXR

Geores Codes

From	To	Code
89.6	93.8	SAXB
93.8	95.1	MT
95.1	99.5	SAXB
99.5	101.5	MT
101.5	111.6	FTL
111.6	113.4	FTA
113.4	114.7	MT
114.7	115.9	FTA
115.9	116.8	MT
116.8	118.1	FTA
118.1	118.6	SK
118.6	120.7	FTL
120.7	121.5	FTAB
121.5	134.9	SK
134.9	135.1	QZVN
135.1	135.3	SK
135.3	136.3	FF
136.3	136.9	QZVN
136.9	138.5	FF
138.5	138.9	QZVN
138.9	148.1	FF.
	EOH	
MORE CODES ON PAGE 2.		

Reactivity with HCl

From	To	Code

Assays Job # 95-0226R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
73.4	74.7	R9508291	1.3				1.4		<10	
74.7	76.2	R9508292	1.5				1		<10	
76.2	77.7	R9508293	1.5				0.8		<10	
77.7	79.1	R9508294	1.4				0.8		<10	

Hole # 95-115	Log By:	Easting:	Commenced				Recovery	Length	Core Size	Card No. 2 of 3
Stick up:	Collar Elevation :	Northing:	Completed				Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S
78.2	78.4	S	S	MT	MAFIC TUFF. Upper contact fragmented.								
78.4	81.0	S	S	SAXB	MUDST./ARG. Similar to typical units above. Not sulphidic.							80	
81.0	81.4	S	S	MT	MAFIC TUFF. As above.								
81.4	82.0	S	S	SAXB	MUDST./ARG. " "								
82.0	82.2	S	S	MT	MAFIC TUFF. " "							80	
82.2	84.6	S	S	SAXB	MUDST/ARG. " "								
84.6	85.6	S	S	MT	MAFIC TUFF " "								
85.6	87.8	S	G	SAXB	MUDST. ARG. " "								
87.8	89.6	G	G	SQXR	QUARTZITE. Light grey, thin bedded/banded with thin chorty sections. Fine grained. Carbonaceous partings along some beds, notably towards margins.							75	
89.6	93.8	G	S	SAXB	MUDST./ARG. As above								
93.8	95.1	S	S	MT	MAFIC TUFF / PHYLLITE.								
95.1	99.5	S	S	SAXB	MUDST / ARG.								
99.5	101.5	S	U	MT	MAFIC TUFF. As above.								
101.5	111.6	U	S	FTL	DACITIC LAPILLI TUFF Light grey green with elliptical (cm long axis) calcareous quartzose Lapilli in a muscovite - qtz frg. matrix. Contact with upper unit uncertain as it's caught up in a narrow fragmented / faulted zone.							80	
111.6	113.4	S	S	FTA	DACITE ASH TUFF. Light grey green, fine grained. Thin banded/laminated character.								
113.4	114.7	S	G	MT	MAFIC TUFF. Med. green phyllite. Not unlike TUFFS INTERCALATED WITH MUDSTONES ABOVE, Locally calcareous.							80	
114.7	115.9	G	S	FTA.	DACITE ASH TUFF. As in 111.6 - 113.4								

HOLE # 95-115

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
18.3	27.6	FLT																	
46.6	47.3	FLT																	
73.5	73.8	FLT																	
78.7	78.9	FLT																	
82.6	82.7	FLT																	
101.7	103.7	FLT																	
103.7	104.1	FLT																	
105.7	105.9	FLT																	
107.1	107.3	FLT																	
139.9	140.4	FLT																	
141.5	142.1	FLT																	

Hole # 95-115	Log By: HCS	Easting:	Commenced		Recovery	Length	Core Size	Card No. 3 of 3
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Caminco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2
115.9	116.8	S	G	MT.	MAFIC TUFF. As in 113.4 - 114.7							
116.8	118.1	G	S	FTA	DACITE ASH TUFF. As in 111.6 - 113.4							80
118.1	118.6	S	S	SK	WACKE. BIOTITIC, QTZ-FSPATHIC, WEAKLY CALCAREOUS UNIT. ELLIPSOIDAL CALCAREOUS FRAGMENTS PRESENT → LAPILLI TUFF ?. MED. BROWN - GREEN.							
118.6	120.7	S	S	FTL	DACITE LAPILLI TUFF. As in 101.5 - 111.6							
120.7	121.5	S	S	FTAB	DACITE ASH TUFF. THIN DELICATE CALCITE - MUSCOVITE LAMINAE. LIGHT GREEN - TAN.							
121.5	134.9	S	S	SK	WACKE. BIOTITIC - CHLORITIC QTZO - FSPATHIC SCHIST WITH LOCAL GRITTY SECTIONS. MEDIUM TO DARK GREEN/GREY WITH BIOTITE SPECKS. WEAKLY CALCAREOUS.							80
134.9	135.1	S	S	QZVN	BULL QZVN.							
135.1	135.3	S	S	SK	WACKE. FRACTURED + SILICIFIED.							
135.3	136.3	S	S	FF.	RHYOLITE FLOW "FF" CHLORITIZED FRACTURES/SELVAGES.							
136.3	136.9	S	S	QZVN	BULL QZVN.							75
136.9	138.5	S	S	FF	RHYOLITE/FF. DENSE, LIGHT GREY, APHANITIC.							
138.5	138.9	S	S	QZVN	BULL QZVN.							
138.9	148.1	S	—	FF.	RHYOLITE/FF. As above. Fractured + broken with gouge developed locally between 140.3 - 143.3.							
EOH.												

Hole #	95-116	Log By:	HCS	Easting:	415251.2	Commenced	29	4	95	Recovery		Length	46.3	Core Size	NQ	Card No.	1	of	1
Stick up:	0.3	Collar Elevation :	1446	Northing:	6815357.2	Completed	30	4	95	Collar Dip	90	Azimuth	0	Assays?	NONE	Coded:	✓	Geores?	

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
0	12.2	—	S	OVB	OVERBURDEN.							
12.2	19.1	S	S	MT	MAFIC TUFF. LIGHT TO MEDIUM GREEN CHLORITE SCHIST / PHYLLITE. IDENTICAL TO MAFIC TUFFS ENCOUNTERED IN OTHER HANGWALL METASEDIMENT / MAFIC TUFF SEQUENCE. QUITE CALCAREOUS. CORE IS VERY BLOCKY WITH 10 Cm GOUGE ZONES COMMON.							45.
19.1	21.1	S	S	SAXB	MUDSTONE / ARGILLITE. CALCAREOUS THIN BANDED / LAMINATED DARK GREY / BLACK CARBONACEOUS, CHLORITIC MUDSTONE. TYPICAL HW PACKAGE UNIT. CORE IS FRIABLE.							45
21.1	21.7	S	S	MT.	MAFIC TUFF. As in 12.2 - 19.1							
21.7	25.9	S	U	SAXB (MT)	MUDSTONE / ARGILLITE, (MINOR INTERCALATED MAFIC TUFFS) FRAGMENTED + FRIABLE. CORE AXIS α's CHANGE FROM 45 to 30° TOWARD LOWER CONTACT WITH STRONG FAULT. FAULT MATERIAL COMPRISES GOUGED + FRACTURED SAXB WITH MINOR MT INTERBEDS. WHERE EVIDENT "S_2" IS AT 0-45° to c/a.							0-45
22.3	25.9	U	S	FLT								
25.9	26.5	S	S	MT	MAFIC TUFF. As in 12.2-19.1							
26.5	29.9	S	G	SAXB	MUDSTONE / ARGILLITE. As in 19.1 - 21.1.							45
29.9	30.9	G	G	MT	MAFIC TUFF. As in 12.2-19.1							45
30.9	32.3	G	U	SAXB	MUDSTONE ARGILLITE. As in 19.1 - 21.1. Sheared + Gouged.							
32.3	35.7	U	S	MT	MAFIC TUFF. As in 12.2-19.1							
35.7	37.0	S	S	SAXB.	MUDSTONE / ARGILLITE. As in 19.1 - 21.1.							
37.0	40.3	S	S45	MT	MAFIC TUFF. As in 12.2-19.1 Lower contact sharp at 45° To CA with SAXB.							45
40.3	40.9	S	S	SAXB	MUDSTONE / ARGILLITE. As in 19.1 - 21.1							
40.9	44.4	S	S	MT	MAFIC TUFF. As in 12.2-19.1. CALCITE VEINS WITH TRACE SP IN A CALCITE HEALED BRECCIA ZONE. BETWEEN 41.9 - 43.0.							10-20
44.4	46.3 EOH.	S	—	SAXB	MUDSTONE / ARGILLITE, As in 19.1 - 21.1. FRAGMENTED GOUGED + TECTONIZED.							0-20

FAULTS/GOUGE DOCUMENTED IN CODES ON BACK.

HOLE # 95-116

SUMMARY LOG: HOLE TERMINATED DUE TO BAD DRILLING / PINCHING OF ROD STRING IN MAIN FAULT ZONE.
HOLE COLLARS ON EAST SIDE OF EAST FAULT IN HW METASEDIMENTS & METAVOLCANICS. 45° to cs
SXs encountered @ 23.5 M AFTER WHICH ORIENTATIONS ARE SUB PARALLEL TO CA & CORE IS MUCH MORE INTENSELY
FRAGMENTED & GOUGED. END OF HOLE IS IN MUDSTONES.

DRILLING SUMMARY:

Downhole Surveys

Meterage	Dip	Azimuth
Collar	90	0
20.4	87.25	77

Geores Codes From	To	Code
0	12.2	OVB
12.2	19.1	MT
19.1	21.1	SAXB
21.1	21.7	MT
21.7	25.9	SAXB
25.9	26.5	MT
26.5	29.9	SAXB
29.9	30.9	MT
30.9	32.3	SAXB
32.3	35.7	MT
35.7	37.0	SAXB
37.0	40.3	MT
40.3	40.9	SAXB
40.9	44.4	MT
44.4	46.3	SAXB
	EOH	
15.2	16.2	FLT
17.6	18.6	FLT
20.4	21.1	FLT
23.3	25.8	FLT
26.5	46.3	FLT

Geores Codes From	To	Code

Reactivity with HCl From	To	Code

Assays Job # From	To	Sample No	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T

Hole #	95-116A	Log By:	HCS	Easting:	415251.2	Commenced	30	4	95	Recovery		Length	129.5	Core Size	HQ/NQ	Card N	1	of	2
Stick up:	0.3	Collar Elevation :	1446	Northing:	6815357.2	Completed	3	4	95	Collar Dip	90	Azimuth	0	Assays?	NONE	Coded:	✓	Geores?	

Cominco — KUDZ ZE KAYAH DRILL RECORD

* 95-116A collared 1m North of 95116 : ie. essentially redrilled the same location. 95-116 abandoned due to bad ground

+ HQ CORE IS FRAGMENTED / BLOCKY WITH EXTREMELY POOR RECOVERY

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
0	11.3	—	U	OVB	OVERBURDEN. CORE BLOCKS MARKED AT 9.1, 9.8, + 11.3 + 12.2. 12.2 was point in 95-116 @ which core was recored. Looking at the material between the above blocks 11.3 might be a more accurate							45
11.3	14.6	U	U	MT	MAFIC TUFF. Light to med. green, calcareous, chlorite schist / phyllite. Calcite forms thin parallel laminated bands locally. CORE VERY BROKEN + RUBBLY.							
14.6	14.9	U	U	SAxB.	MUDST / ARG As in previous descriptions. UPPER PICK TAKEN AT BLOCK, LOWER PICK A GUESS.							45
14.9	17.9	U	U	MT	MAFIC TUFF. UPPER PICK A GUESS / LOWER PICK AT BLOCK. GOUGE TOWARDS BASE							
17.9	19.4	U	U	SAxB	MUDST/ ARG. HIGHLY SILICIFIED. UPPER PICK AT BLOCK. LOWER PICK A GUESS.							10
19.4	19.7	U	U	MT	MAFIC TUFF. //(MUDST ARG) MAFIC TUFF FRAGMENTS WITH LOCAL SAxB FRAGMENT.							45
19.7	28.0	U	U	SAxB	MUDST /ARG. FRAGMENTS. LOWER PICK @ CORE BLOCK.							10
28.0	31.0	U	U	MT.	MAFIC TUFF FRAGMENTS IN CORE TRAY.							45
31.0	61.4	U	S	SAxB	MUDST. / ARG. FRAGMENTS IN CORE TRAYS TO 58.8 M AFTER WHICH NQ IS CORED WITH MUCH BETTER RECOVERY. MUDSTONE SEQUENCE IS TYPICAL WITH THIN LIGHT GREY CALCAREOUS BANDS & CARBONACEOUS CHARACTER. 10cm GOUGE ZONE MAFIC TUFF / PHYLLITE CAUGHT UP WITHIN AT 59.3-59.4						10-45	45
61.4	61.7	S	S	SXXB	BIOTITE / BROWN CHLORITE / CALCITE SCHIST. CHOCOLATEY BROWN CHLORITE / BIOTITE? INTERLAMINATED WITH THIN QUARTZ + CC LAMINAE. SHARP DISCORDANT UPPER CONTACT WITH BLACK MUDSTONE UNIT IE. FAULTED W/MINOR GOUGE ABOVE IT. LOOKS LIKE AN ALTERED RUN							
61.7	61.8	S	S	QZVN	WHITE BULL QZVN.							
61.8	62.1	S	S	VEIN	QZVN WITH SCHIST + SILICIFIED SCHISTOSE FRAGMENTS WITHIN. FRAGMENTS ARE BLEACHED IN PART + LOCALLY BIOTITIC AS IN ABOVE SXXB UNIT.							
62.1	62.2	S	S_{45}	QZVN	WHITE BULL QZVN.							
62.2	62.9	S_{45}	G	SXXB	BIOTITE / BROWN CHLORITE / CALCITE SCHIST. AS IN 61.4-61.7. BLEACHED + SILICIFIED AT TOP.							
62.9	63.1	G	S_{50}	SAxB	MUDST / ARGILLITE. "GRADATIONAL" FROM UNIT ABOVE.							
63.1	63.3	S_{50}	S	QZVN	WHITE BULL QZVN.							

HOLE # 95-116A

SUMMARY LOG: HOLE COLLARED WITHIN MUDSTONES + MAFIC TUFFS OF HW SEQUENCE EAST OF EAST FAULT. (OR WITHIN EAST FAULT). UNITS ARE FRAGMENTED + GOUGED. FAULTED CONTACT WITH FELSIC VOLCANICS BELOW (IN ABM BLOCK?) @ 63.3 M. FELSICS TO END OF HOLE, INTENSELY GOUGED + FAULTED. CLEAVAGE TO CORE AXIS ∠'s TYPICALLY RANGE FROM 0 – 30° WHERE PRESERVED. HOLE TERMINATED IN FAULT ZONE.

DRILLING SUMMARY:

HQ DRILLED TO 58.8 M. NQ TO END OF HOLE. HOLE TERMINATED DUE TO BAD DRILLING / PINCHING OF STRING. 50' OF HQ LEFT IN HOLE ON PULLOUT → TWISTED OFF. CASING LEFT IN HOLE FOR POSSIBLE RE-ENTRY.

Downhole Surveys

Meterage	Dip	Azimuth
COLLAR	90	0
66.1	87.7	347
97.8	86.3	326

Geores Codes From	To	Code
0	11.3	OVB
11.3	14.6	MT
14.6	14.9	SAXB
14.9	17.9	MT
17.9	19.4	SAXB
19.4	19.7	MT
19.7	28.0	SAXB
28.0	31.0	MT
31.0	61.4	SAXB
61.4	61.7	SXXB
61.7	61.8	QZVN
61.8	62.1	VEIN
62.1	62.2	QZVN
62.2	62.9	SXXB
62.9	63.1	SAXB
63.1	63.3	QZVN
63.3	72.6	FTA
72.6	75.9	QZVN
75.9	108.6	FTA
108.6	109.1	QZVN
109.1	112.1	FTA
112.1	112.7	MD
112.7	127.5	FTA
127.5	127.7	QZVN
127.7	129.5	FTA

EOH.

Geores Codes From	To	Code
CORE	RECOVERY WITH	
STRING AT	58.8 IS	
OF ADJACENT	SET-UP/HOLE 95-116	
RECOMMENDED FOR	FLT INFO, ETC.	
59.3	59.4	FLT
61.3	63.7	FLT
64.2	68.7	FLT
70.3	129.5	FLT.

Reactivity with HCl From	To	Code
HQ TO	TOP OF NQ	
VERY	POOR. USE	

Assays Job #

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
NONE.										

Hole # 95-116 A	Log By: HCS	Easting:	Commenced			Recovery	Length	Core Size	Card N. 2 of 2
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded	Geores?

KUDZ ZE KAYAN DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
63.3	72.6	S	S	FTA	FELSIC TUFF. VARYING COMPETENCY. TYPICALLY EXTREMELY FRAGMENTED & GOUGED. (DACITE.) VERY FRIABLE. "COMPETENT SECTION" WITH S_2 preserved @ 30° to c/a BTWN 63.3 – 65.6, 66.1 – 67.6. FLT/GOUGE ZONES MARKED IN ADDENDUM.							0-30
72.6	75.9	S	S	QZVN	WHITE BULL QZVN WITH SCHIST FRAGMENTS.							
75.9	108.6	S	S	FTA	DACITIC FELSIC TUFF. FRAGMENTED & SHEARED. AS IN 63.1-72.6.							0-30
108.6	109.1	S	S	QZVN	WHITE BULL QZVN.							
109.1	112.1	S	U	FTA	DACITIC FELSIC TUFF. AS ABOVE. LOWER CONTACT FRAGMENTED ∴ UNCERTAIN.							
112.1	112.7	U	U	MD	BIOTITE-CALCITE-CHLORITE SCHIST → MAFIC DIKE? BANDED CHARACTER. COULD BE CONSIDERED SX UNIT ALSO. UPPER & LOWER CONTACTS ARE BROKEN & FRAGMENTED IN FLT ZONE ∴ UNCERTAIN.							30
112.7	127.5	U	S	FTA	DACITIC FELSIC TUFF. → AS ABOVE.							
127.5	127.7	S	S	QZVN	WHITE BULL QZVN.							
127.7	129.5	S	—	FTA	DACITIC FELSIC TUFF. → AS ABOVE.							10-30
EOH												

FAULT/GOUGE ZONES MARKED IN GEOREZ CODE SUMMARY.

Hole # 95-117	Log By: TCS	Easting: 415203.3	Commenced	02	05	95	Recovery	Length 172.5	Core Size NQ	Card N. 1 of 5
Stick up: 0.3	Collar Elevation : 1427	Northing: 6815445.7	Completed	03	05	95	Collar Dip 65	Azimuth 180	Assays? ✓	Coded: Geores?

Meters		Contact		Geores	KUDZ ZE KAYAH DRILL RECORD	Sulphides %					Dip		
From	To	T	B	Code		Py	Po	Cp	Ga	Sp	S1	S2	S
0	5.4	-	S	OVB	Overburden Casing.								
5.4	19.6	S	S	FTXO	Felsic Tuff with chlorite alteration Increased chlorite content in some bands are chlorite verses Sericite rich. Disseminated pyrite. Moderate amounts of carbonate (Calcite + dol.). Fractures are Fe-Stained by groundwater. Foliation is weak. Possible $S_1 - S_2$ S_1 ?65 S_2 80	Tr	Tr				62	80+	
19.6	20.1	S	S	SX	Biotite rich Schist. Bandings Brown + green. Abundant Carbonate. "S Fold"							80	
20.1	25.9	S	S	FZxG	Fine grained Quartz sericite schist with disseminations and laminae of Chlorite + Py Carbonate in matrix Stylolitic Cleavage @ 20 S_3 ?	Tr						85	→ 20
25.9	27.1	S	U	MD	Medium grained Chlorite - Carbonate - biotite dyke. Carbonate porphyroblasts or remnant feldspar phenocrysts. Chill margin U to top hole contact.							85	
27.1	32.3	U	U	FXXF	Quartz sericite Schist with abundant Carbonate, weak fragmental Texture.							85	
32.3	35.6	U	U	FX	Quartz Sericite Schist in Fault Gouge								
32.3	35.6	-	-	FLT	Fault gouge								
35.6	44.0	U	S	FXXF	Quartz Sericite Schist with abundant carbonate, and fragmental texture Section becomes more tuffaceous and ribboned towards the bottom of the hole.							85	
44.0	45.1	S	S	SK	Quartz - Feldspar - biotite wacke/Arenite ~ 10-20% biotite in Section							85	
45.1	48.2	S	S	FT	Felsic tuff. Quartz-Sericite Schist with good preservation of grains. Py/Po wisps	Tr	tr					85	
48.2	49.2	S	S	QZUN1	Bull Quartz vein. Contact parallel to foliation								
49.2	53.6	S	S	FT	Felsic tuff. Quartz-sericite schist with good preservation of grains Py/Po wisps local concentrations of biotite. Disseminated Calcite/carbonate throughout.							85	
53.6	54.0	S	S	QZUN	Bull quartz								
54.0	57.1	S	S	FXXB	Quartz-Sericite-carbonate-chlorite schist. Segregation and banding of minerals. Interbeds of a "Silt" and Quartz veins. Veins @ 56.4-56.6, and 57.0 to 57.1						45	85	

HOLE # 95-417

SUMMARY LOG: Hole was collared in felsic volcanics @ 5.4 m. Hanging wall Succession is interbedded felsics and sediments with minor mafic dykes. Alteration Succession of chloritized rock lies above the ore horizon. The first ore was intersected @ 129.6 m. The presence of Cp rich ore at the top of the ore indicates overturned. The ore horizon has been structurally thickened by a fault @ 145.3 m. The footwall is a interbedded/interfingered mafic-felsic succession within a fault and

DRILLING SUMMARY: Quartz Veining Zone.

Downhole Surveys

Meterage	Dip	Azimuth
Collar	60	180
14	61	188
44.5	62	183
75	62	187
105.5	63	196
166.4	63.5	202

Geores Codes

From	To	Code
0	5.4	OVR
5.4	19.6	FTXO
19.6	20.1	SKXM
20.1	25.9	FZXG
25.9	27.1	MD
27.1	32.3	FXXF
32.3	35.6	FX
35.6	44.0	FLT
44.0	45.1	FXXF
45.1	48.2	SKXM
48.2	49.2	FT
49.2	53.6	QZVN
53.6	54.0	FT
54.0	57.1	QZVN
57.1	59.6	FXXB
59.6	60.5	SQXL
60.5	61.7	FTLB
61.7	72.2	MDX2
72.2	74.6	FXXF
74.6	78.5	MDX2
78.5	84.5	FXXR
84.5	85.5	FZXR
85.5	87.8	SKXM
87.8	88.5	FZXR

Geores Codes

From	To	Code
88.5	89.9	FZXR
89.9	90.6	SKXB
90.6	92.6	FZXR
92.6	92.8	QZVN
92.8	93.6	FZXR
93.6	104.3	SKXM
104.3	110.6	FZXR
105.4	105.7	FLT
108.1	108.4	FLT
110.6	122.3	SKXM
122.3	125.8	ATW
125.8	128.5	SA
128.5	129.6	FZXR
129.0	129.2	FLT
129.6	130.2	APG
130.2	131.1	OSF
131.1	132.3	QC
132.3	133.5	QSA
133.5	134.4	QS
134.4	136.0	QH
136.0	145.3	QB
145.3	145.7	FLT
145.3	146.5	QH
146.5	152.1	QB
Continued		

Reactivity with HCl

From	To	Code
5.4	19.6	W
19.6	20.1	S
20.1	25.9	W
25.9	27.1	S
27.1	60.5	M-W
60.5	72.2	W
72.2	74.6	M
74.6	84.5	W
84.5	111.6	W-M
111.6	115.2	M
115.2	116.2	W
116.2	129.6	M
129.6	152.1	L S
152.1	156.5	S
156.5	164.7	W-N
164.7	172.5	S
Card #2		

Assays Job # 95-0237R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T	
128.2	129.7	R9508521	1.5				3.8		32		
129.7	131.2	R9508522	1.5	2.68	0.31	1.75	91.7	91.5	476	0.821	
131.2	132.7	R9508523	1.5	6.28	0.32	4.60	E158.5	163.8	1276	1.775	
132.7	134.2	R9508524	1.5	1.10	0.91	11.84	67.5	64.5	440	0.687	
134.2	135.7	R9508525	1.5	0.30	3.14	7.76	E146	137.6	624	0.948	
135.7	137.2	R9508526	1.5	0.46	3.36	7.14	E279.5	281.3	3680	4.323	
137.2	138.7	R9508527	1.5	0.18	3.17	8.38	E145.5	146.8	16064	1.752	
138.7	140.2	R9508528	1.5	0.52	4.00	7.16	E244.5	239.5	3840	1.711	
140.2	141.7	R9508529	1.5	0.36	3.73	8.77	E219.5	223.2	1872	1.451	
141.7	143.2	R9508530	1.5	0.24	4.94	9.78	E253.5	246.8	2320	2.694	
143.2	144.7	R9508531	1.5	0.33	3.15	9.52	E294.5	295.0	2000	2.634	
144.7	146.2	R9508532	1.5	0.46	3.48	7.81	E427.5	362.7	4200	4.134	Broken Core
146.2	147.7	R9508533	1.5	0.33	4.16	9.51	E430.5	430.2	3320	4414	Broken Core
147.7	149.2	R9508534	1.5	0.38	2.66	8.98	E282	268.2	2080	4.041	
149.2	150.7	R9508535	1.5	0.28	2.53	10.65	E278	268.3	2540	2.745	
150.7	152.1	R9508536	1.4	0.21	1.97	7.14	E207	209.4	960	2107	
152.1	153.6	R9508537	1.5				3.2		20		Minor core loss

Hole # 95-117	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size NQ	Card No 2 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters		Contact		Geores	Comineo KUDZ ZE KAYAH DRILL RECORD	Sulphides %					Dip		
From	To	T	B	Code		Py	Po	Cp	Ga	Sp	S1	S2	S
57.1	59.6	S	G	SQXL	Quartzite & Quartz-Sericite Schist thin banding with variable amounts of Calcite Some sections are very siliceous others are more Sericitic to Carbonate rich. fine scale mud + sand interbedded. Occassional Py laminations.	Tr						75	
59.6	60.5	G	S	FTLB	Felsic lapilli tuff with chlorite + quartz + carbonate. Thin banding.							80	
60.5	61.7	S	S	MDX2	Chlorite Schist with Carbonate porphyroblasts. Very fine grained on either Side = chill margins.								
61.7	72.2	S	S	FXXF	Quartz - Sericite - chlorite Schist with a fragmental texture. Chlorite throughout, but also locally concentrated. Interbedding of Matic and felsic tuffs? High Chlorite content @ 68.9 - 69.9.							70	
72.2	74.6	S	S	MDX2	Chlorite Schist with Carbonate porphyroblasts. local concentrations of Quartz + Felds par Carbonate.							70	
74.6	78.5	S	G	FXXR	Quartz - Sericite - Chlorite - carbonate Schist with a ribboned to fragmental texture Buff to green hue. Py disseminated.	Tr							
78.5	84.5	G	S	FZXR	Quartz - Sericite Schist with 1-2mm long euhedral acicular hornblende low abundance of Carbonate.								
84.5	85.5	S	S	SKXM	Interbedds of SQ and biotite - Quartz Schist with Sericite Quartz Schist. Changes are over few Cms. Biotite porphyroblasts @ 85.3								
85.5	87.8	S	G	FZXR	Quartz - sericite schist with low Carbonate abundance light grey-green Sericite defines foliation, very soft 'talcose'							70	
87.8	88.5	G	G	SKXM	Mottled quartz - sericite with chlorite - biotite patches. Variable carbonate abundance.								
88.5	89.9	G	G	FZXR	AS previous FZXR								
89.9	90.6	G	S	SKXB	Banded Sericite - quartz and biotite chlorite. Abundant Carbonate in Some of the bands								
90.6	92.6	S	S	FZXR	Quartz Sericite Schist with dominant ribboned texture. Also Some sections are more Lapilli - tuff. Narrow interbeds of biotite rich sections.							80	

HOLE # 95-117

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
152.1	156.5	MUX2																	
152.1	156.5	FLT																	
156.5	161.4	FXXR																	
161.4	161.9	QZVN																	
161.9	163.8	FXXR																	
163.8	164.2	QZVN																	
164.2	164.7	FXXR																	
164.7	166.8	MMX2																	
166.8	168.1	QZVN																	
168.1	172.5	MUX4																	

Hole # 95-117	Log By: TCS	Easting:	Commenced				Recovery	Length	Core Size NQ	Card No 3 of 5
Stick up:	Collar Elevation :	Northing:	Completed				Collar Dip	Azimuth	Assays?	Coded? Georges?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georges Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
92.6	92.8	S	U	QZUN	Buff quartz with chlorite in fractures Section ends in small fault gouge							
92.8	93.6	U	G	FZXR	Quartz - Sericite schist good ribboned texture, minor quartz veins							70
93.6	104.3	G	G	SKXM	Mottled quartz - Sericite and Chlorite-biotite. Section changes from Sericite to chlorite dominant and back throughout the section. minor Fault gouge @ 103.9							
104.3	110.6	G	G	FZXR	Quartz Sericite Schist with Ribboned to massive texture. Several sections of Fault gouge, and a healed fault? with breccia of host rock							
105.4	105.7			FLT								
108.1	108.4			FLT								
110.6	122.3	G	G	SKXM	As previous. Po wisps become more abundant down hole and starts to occur in thicker bands and laminae.		Tr					68
122.3	125.8	G	S	ATW	Quartz-Sericite Schist with an increasing chlorite content down hole Section has chlorite porphyroblasts @ 125.3 to 125.8. There is a ribboned to fragmental texture in the Section.							
125.8	128.5	S	G	SA	Argillite, chlorite rich with Silica bands minor concentrations of Py, Very fissile Pebble chips, to blocks of Core. "Possible Chloritized Rhyolitic Tuff?"	Tr						
128.5	129.6	G	S	FZXR	Quartz Sericite Schist with good ribboned texture, grey-green, wisps of Py. Chlorite in the foliation, relatively minor. Weak alteration of a felsic tuff?							70
129.0	129.2			FLT								
129.6	130.2	S	G	APG	Chlorite Albite porphyroblastic alteration. Section starts with Quartz vein and has Cp+Po Stringers and clots.			2				
130.2	131.1	G	C	OSF	Po rich porphyroblastic alteration, these Po in irregulare forms/stringers through Section. Cp caught up in Stringers as well, more Cp rich to end of section. Alteration is Chlorite + Albite porphyroblasts in a Silicate matrix		20	2				

Hole # 95-117	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size NQ	Card No. 4 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Georas?

Meters From	Meters To	Contact T	Contact B	Georas Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S
131.1	132.3	G	G	OC	Py+Sp Stringers with disseminated to clots of Mt. Porphyroblasts of Chlorite and Silicate (quartz ± Albite) gangue.	30	15	5				80	
132.3	133.5	G	S	OJA	Mt rich ; Sp+Sp +Py with Porphyroblastic alteration gangue poor banding to indistinct	30	2	1-2		10			
133.5	134.4	S	S	OS	Py+Sp with porphyroblastic alteration gangue. Porphyroblasts are 2-10mm across, Angular. Sp disseminated to thinly banded	40		tr		5			
134.4	136.0	S	S	OH	Massive Py with local milled texture	80			tr	tr			
136.0	145.3	S	U	OB	Laminated Py+Sp with Carbonate + Barite + Quartz gangue Banding is variable from poor to fair. Section becomes more Fractured towards end of section Cpt Ga+ tetrahedrite irregular forms locally Concentrated.	60		1	1	15			
145.3	145.7	-	-	FLT	Broken core with fault gouge								
145.3	146.5	U	S	OH	Massive Py, milled and broken. Fault gouge at beginning. Fault repetition of previous.							85	
146.5	152.1	S	S	OB	As previous OB. Possibly Barite. Concentrations of tetrahedrite <Sp+Sp+Ga locally. Crosscutting Carbonate veins and irregular bands of carbonate.	60		1	1	15			
152.1	156.5	S	S	MUX2	Mish-Mash of Many. Dominantly a chlorite carbonate Schist. Included Is Felsic Volcanics and Quartz veining in an obvious fault zone	Tr							
152.1	156.5	S	S	FLT									
156.5	161.4	S	S	FXR	Quartz-Sericite Schist with 10% chlorite. Weak Carbonate Fizz Strong foliation. Grey-green. disseminated Py							65	
161.4	161.9	S	S	QZUN	Bull quartz with Felsic gangue.								
161.9	163.8	S	S	FXR	AS Previous								
163.8	164.2	S	S	QZUN	Bull quartz with Felsic gangue and trace po								

Hole # 95-117	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 5 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
164.2	164.7	S	S	FXR	Quartz Sericite Carbonate Schist with a ribboned to strained fabric. Abundant calcite.								
164.7	166.8	S	S	mmx2	Chlorite Schist with 15% 1mm carbonate rhombs, minor interbeds of more FX, and 1cm wide Quartz veins. Wisps of biotite throughout.							45	
166.8	168.1	S	S	QZVN	Quartz vein with chlorite carbonate gangue.								
168.1	172.5	S	EOH	MUX4	Chlorite-Carbonate Schist with biotite porphyroblasts; locally biotite can be concentrated to 30%. In last meter of the section the Schist is not as distinct, and is more of an interbedded Chlorite Carbonate, and Chlorite Sericite Schist with Quartz-carbonate concentrations							45	

Hole # 95-146	Log By: LAFH	Easting: 414898.7	Commenced	20	05	95	Recovery	Length 139	Core Size NQ	Card No.	of
Stick up: 0.3	Collar Elevation : 138	Northing: 6815503.0	Completed	21	05	95	Collar Dip 90	Azimuth 0	Assays?	Coded?	Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	3.0			OVB	no recovery								
3.0	3.7			OVB	limited polymictic pebble recovery (<0.1m)								
3.7	6.5		G	FXXR	ribboned sericite-quartz-iron carbonate schist (+ chlorite); folded siliceous ribbons; ground water oxidation effects fairly intense to ~4.5m - limited oxidation through the rest of the unit; wispy pyrrhotite to grey silica) following ribboning		2					70	
6.5	8.2	G	G	FXKF	sericite-quartz-iron carbonate schist (+ chlorite) with irregular silica forms locally abundant sulphides in bands + elongate Smain parallel blebs	1	8						
8.2	16.6	G	G	FXXR	ribboned to banded sericite-quartz-carbonate schist (+ chlorite); locally folded or fragmented; local concentrations of elongate + angular carbonate lying in Smain (resembles proto-mylonitic milling); wispy bands of pyrrhotite-rich rock; faulted near unit bottom		4					30	
14.3	16.1			FLT	largely fragmented core with gouge patches + core loss								
16.6	23.2	G	G	SK	largely mottled sericite-quartz-chlorite-iron carbonate schist; locally chlorite is porphyroblastic (not mottling) overprint of FXXR-type rock - pelitic influx into felsic volcanics; moderately penetrative foliation; blebby pyrrhotite in FX layers, pyrite disseminated in SK areas	1	tr					70	
23.2	23.9	G	G	FXXF	sericite-quartz-iron carbonate schist; strong non-penetrative foliation adds to 'fragmented' appearance; as @ 6.5-8.2m		3					60	
23.9	24.8	G	G	FY	banded charcoal-light grey quartz-black (graphitic) chlorite-iron carbonate schist; pyrrhotite associated with Smain		1						
24.8	30.5	G	G	FXXF	as @ 6.5-8.2m to blebby pyrrhotite		2					65	
30.5	31.3	G	G	FXXR	as @ 8.2-16.6 (without fault)		1					65	
31.3	31.8	G	G	FY	as @ 23.9-24.8 see S1/S2 foliation - cut by S3		2				30	70	
31.8	32.6	G	G	FXXG	foliated sericite-quartz-iron carbonate [illegible]; elongate pyrrhotite blebs lie in Smain		4					70	

HOLE #95-146

SUMMARY LOG: 3.7 m of overburden drilled; hangingwall rocks are largely felsites with interbedded sediments (?) - SK-type - the felsites progressed down hole from FX → FY → FZ types; limited ore envelope alteration with a large quartz vein were intercepted above 46.1 ore; ore was intercepted @ 82.7m and extended to 98.7m with some inclusions of alteration rocks; strongly altered rocks were drilled @ 98.7m - 116.3m (18.2m) ore was drilled again from 116.3m - 122.1m (with some alteration within 46.1's interval); footwall rocks were largely varied 'mafics' with interbedded felsics.

DRILLING SUMMARY: 3.0-5.2 ~0.6m lost; 14.3-16.5 ~1.2m lost; 16.5-17.4 ~0.2m lost; 32.6-35.2 ~0.2m loss; 47.9-50.6 ~0.5m; 56.9-60.1 ~0.3m loss; 60.0-63.1 ~0.3m loss; 72.8-74.1 ~0.2m lost; 99.7-102.7 ~0.2m loss; 109.4-111.9 ~0.2m loss; 111.9-114.9 ~0.1m loss; 117.9-121.0 ~0.1m loss; 136.2-139.1 ~1.5m loss; 139.4-139.9 ~0.3m loss

Downhole Surveys

Meterage	Dip	Azimuth
collar	0	0
11.3	241°	85.5°
41.8	234°	86°
72.2	218°	86°
102.7	211°	84.5°
133.2	212°	82°

Geores Codes From	To	Code
0	2.7	OVB
2.7	6.5	FXX?
6.5	8.2	FXXF
8.2	14.6	FXXF
14.3	16.3	FLT
16.6	22.2	SK
22.2	23.9	FXXF
23.9	24.3	FY
24.3	30.5	FXXF
30.5	31.3	FXXR
31.3	31.8	FY
31.8	32.6	FXXS
32.6	32.9	FY
32.9	33.6	FXXF
33.6	35.3	FY
35.3	38.7	FXXF
38.7	39.9	FY
39.9	49.3	FZXF
49.3	50.6	FLT
50.3	53.2	FY
53.2	71.3	FZXR
71.3	72.6	QZVN
72.6	74.1	AYM
74.1	77.9	QZVN
77.9	79.3	AYM

Geores Codes From	To	Code
79.2	81.5	FY
81.5	82.1	ATS
82.1	83.1	FX
83.1	83.5	SA
83.5	87.4	QB
87.4	88.9	QB
88.9	89.4	QB
89.4	91.9	QB
91.9	92.3	QC
92.3	93.2	FC
93.2	93.7	QB
93.7	94.8	QB
94.8	95.7	QB
95.7	96.6	QB
96.6	97.6	QB
97.6	98.8	QB
98.8	100.3	QB
100.3	101.8	QB
101.8	103.5	QB
103.5	105.0	QB
105.0	106.5	QB
106.5	108.0	QB
108.0	109.5	QB
109.5	111.2	QB
111.2	112.7	QB
112.7	114.3	QB
114.3	115.8	QB

Reactivity with HCl From	To	Code
3.0	12.1	W-N
12.1	16.5	H-S
16.5	29.0	W-M
29.0	107.2	W-N
107.2	107.8	M
107.8	117.6	W-N
117.6	127.0	M
127.0	132.3	S
132.3	133.2	W
133.2	134.0	S
134.0	134.6	W
134.6	136.3	S
136.3	139.1	W
139.1	139.4	S

Assays Job # 0256R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
81.2	82.7	R9509820	1.5				31.2		122	
82.7	84.2	R9509821	1.5	3.46	1.96	10.02	88.9	89.3	580	0.620
84.2	85.7	R9509822	1.5	1.13	0.93	8.42	37.9	37.4	660	0.463
85.7	87.4	R9509823	1.5	0.77	1.06	8.86	42	40.7	180	0.342
87.4	88.9	R9509824	1.5	0.84	1.12	13.69	35.7	33.2	316	0.340
88.9	90.4	R9509825	1.5	0.30	1.78	11.25	44.7	41.5	212	0.338
90.4	91.9	R9509826	1.5	0.56	4.56	10.33	E214	213.7	1260	1.325
91.9	92.4	R9509827	0.5	1.83	0.23	1.54	40.9	37.5	192	0.482
92.4	93.7	R9509828	1.4	0.21	2.69	11.44	61.4	58.8	232	0.395
93.7	94.8	R9509829	1.1	2.68	0.97	9.33	91.8	86.8	448	0.956
94.8	95.7	R9509830	0.9	0.37	0.04	0.04	9.6	8.3	80	0.204
95.7	96.6	R9509831	0.9	1.07	0.09	0.69	41.2	40.6	620	0.159
96.6	97.6	R9509832	1.0	0.29	2.87	4.49	E272.5	260.7	1540	2.552
97.6	98.8	R9509833	1.2	0.88	2.32	7.46	E515	501.3	1940	3.435
98.8	100.3	R9509834	1.5				3.8		<10	
100.3	101.8	R9509835	1.5				18.6		<10	
101.8	103.5	R9509836	1.5				8.3		<10	
103.5	105.0	R9509837	1.5				6.5		68	
105.0	106.5	R9509838	1.5				10.9		<10	
106.5	108.0	R9509839	1.5				2.8		<10	
108.0	109.5	R9509840	1.5				2.2		<10	
109.5	111.2	R9509841	1.5				2.2		<10	
111.2	112.7	R9509842	1.5				10.4		<10	
112.7	114.3	R9509843	1.5				8.1		<10	
114.3	115.8	R9509844	1.5				11.5		92	

Hole # 95-146	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 2 of 2
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
32.6	32.9	G	G	FY	as @ 23.9-24.8m ~~~ ~~~ ~~~

HOLE #

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes		
From	To	Code
132.3	133.2	CxvR
133.2	133.4	MZ
133.4	135.9	MN
135.9	136.3	MZ
136.3	139.0	CxvR
139.0	139.6	CxvR
139.6	139.8	MVx2
139.8	140.0	CxvR
140.0	140.5	MN
140.5	140.9	MV
140.9	141.3	MZ<6
141.3	141.9	CxvR
141.9	142.3	MVx2
142.3	144.0	MN

Geores Codes		
From	To	Code

Reactivity with HCl		
From	To	Code

Assays Job # 0256R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
115.8	116.3	R9509845	0.5				38.7		60	
116.3	117.6	R9509846	1.3	0.83	1.52	7.24	E124	111.3	1124	1.464
117.6	118.6	R9509847	1.0				3.9		<10	
118.6	119.7	R9509848	1.1				3.5		<10	
119.7	121.0	R9509849	1.2	0.07	4.17	9.12	E119	115.9	416	0.665
121.0	122.1	R9509850	1.1	0.34	2.63	7.39	E103	96.5	500	0.971
122.1	123.7	R9509851	1.5				6.4		40	

Hole # 95-146	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 3 of 3
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
79.2	81.5	G	G	FY	as FY @ 23.2-23.9		tr					60	
81.5	82.7	G	S	ATS	intense typical sericite, chlorite + iron carbonate ore envelope alteration; pyrrhotite pyrite and galena in 5 main parallel bands; sphalerite locally highly abundant in wide band/patch	1	2		1	8			
82.7	83.1	S	S	OC	fine net-like texture of chalcopyrite + pyrrhotite with flecks of silica + carbonate gangue (10%)		25	55					
83.1	83.8	S	G	OA	laminated dominantly pyrite with magnetite (30%); 5-10% silicate + carbonate gangue	50	10	tr	tr	2		45	
83.8	85.4	G	G	OB	banded sulphides pyrite, chalcopyrite + sphalerite banded with silicate + carbonate gangue (progressively more gangue down unit); relatively penetrative banding @ low angle to core axis S_1 or S_2 ??	30	5	20		10	25?		
85.4	86.9	G	G	OJ	sulphides mixed with silicate + carbonate gangue (calcite + porphyroblastic green biotite (chlorite?) + quartz = 35-40%); sulphide mostly pyrite + sphalerite are banded (weakly) + folded nearly symmetrically	40	tr	tr	tr	20	10	60	
86.9	87.5	G	G	OB	as @ 83.8 → 85.4; more poorly developed banding; less gangue down core	45		10		15			
87.5	88.3	G	G	OC	poor net texture of chalcopyrite pyrite pyrrhotite + gangue minerals (green biotite [chlorite] porphyroblasts + carbonate + quartz = 30%)	45	10	15					
88.3	90.4	G	S	OB	poorly laminated mixed sulphides + gangue (quartz + porphyroblastic green biotite (chlorite) + carbonate = 30%); 88.3 → 89.0m high sphalerite content (40%), 89.0-90.4m more typical OB	45	tr	tr	tr	25			
90.4	90.6	S	S	OA	laminated sulphides + magnetite (35%), + 10% silica + carbonate gangue	50	tr	tr	tr				
90.6	91.3	S	G	OJ	patchy mixture of massive sulphides + gangue (largely carbonate + silica) + magnetite	40	3	10	3	5			
91.3	91.9	G	S	OB	poor quality OB with ~ 30-35% gangue; see some pyrite-sphalerite layering	55		tr	tr	15			

Hole # 95-146	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 4 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S
71.9	92.4	S	S	ATS	typical strong chlorite + carbonate + sericite ore envelope alteration with local intense pyrite mineralization; local brown biotite associated with coarse chalcopyrite	15		5					
92.4	93.6	S	S	OBA	weakly banded sulphides with some magnetite laminations + ~20% carbonate + silicate gangue (+barite?)	55	tr	5	tr	15		70	
93.6	94.8	S	S	OA	sulphides laminated (to banded) with unusually high amounts of magnetite (35-40%) + 15% carbonate-silicate (+barite?) gangue	35	tr	10	tr	5		85	
94.8	96.6	S	S	ATS	typical strong chlorite (green biotite?) + carbonate + sericite ore envelope alteration - strongly foliated/banded	3		3				90	
96.6	98.3	S	S	OBB	laminated sulphides (pyrite + sphalerite + chalcopyrite) and gangue (carbonate + silicate + barite? ~20%); tight folding (asymmetrical) at both top + bottom of unit	45		7		18		85	
98.3	116.3	S	S	ATS	as @ 94.3-96.6 - variable character + appearance throughout, cut with quartz-carbonate veins; locally folded; localized chalcopyrite mineralization, unevenly distributed pyrrhotite, pyrite + galena mineralization in wispy foliations, limited localized 'stylolitic' foliation; bottom 0.8m riddled by pegmatitic quartz veins (pyrrhotite + limited chalcopyrite associated with them)	tr	6	1	1			15	
116.3	117.6	S	S	OBB	as @ 96.6-98.3m with more limited chalcopyrite	55	tr	2	tr	18		85	
117.6	119.7	S	S	ATS	locally typical ore envelope alteration; locally fine grained phyllite cut by pronounced 'stylolitic' cleavage perpendicular to very small scale 'tension gashes', both of which are oblique to Smain; quartz-quartz-carbonate at top + bottom of unit; mineralization as @ 98.3-116.3m	tr	3	1	tr			75	
119.7	122.1	S	S	OBB	as @ 116.3-117.6m	50	tr	tr	tr	25		75	
122.1	124.7	S	G	ATH (MT)	either a fine grained moderate chlorite-sericite typical ore envelope alteration, or a weakly altered mafic tuff → sericite-chlorite-carbonate-quartz phyllite; with unevenly distributed euhedral pyrite mineralization (Smain parallel); locally common biotite porphyroblasts; weak 'stylolitic' cleavage (as @ ATS 117.6-119.7); cut by quartz-carbonate veins; local coarse grained chalcopyrite in wispy Smain	8		3				80	

Hole # 95-146	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 5 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2
124.7	127.0	G	S	FXXB	banded (highly strained) sericite-quartz-carbonate schist (+chlorite-pyrite); pyrite in concentrated in bands (5 main parallel)	6						75
127.0	129.8	S	G	MUX2	banded chlorite-calcite with 'porphyroblastic' brassy brown biotite, large sulphide blebs-pyrrhotite + pyrite	1	3					80
129.8	132.3	G	S	MOX2	as above 127.0-129.8 with a higher proportion of biotite	tr	2					85
132.3	133.2	S	S	FXXR	Ribboned felsite as @ 124.7-127.0 m with less concentrated pyrite	2						
133.2	133.4	S	S	MZ	'pistachio' mica + calcite-banded with blebby pyrrhotite		3					85
133.4	133.7	S	S	MN	banded biotite-calcite-chlorite schist		1					85
133.7	134.0	S	S	MZ	as @ 133.2-133.4		3					85
134.0	134.6	S	G	FXXR	as @ 129.8-132.3	tr						80
134.6	135.0	G	S	MVX2	chlorite-calcite sericite schist (banded) with 1mm scale iron carbonate porphyroblasts	tr						80
135.0	135.5	S	S	MN	as @ 133.4-133.7	tr						80
135.5	135.9	S	G	MV	as @ 134.6-135.0 but no phenocrysts; [illegible] faint "stylolitic" cleavage	tr						75
135.9	136.3	G	S	MZX2	as @ 133.2-133.4 with orangey iron carbonate phenocrysts; overprinting "stylolitic cleavage"	tr						
136.3	139.1	S	S	FXXR	as @ 129.8-132.3							
139.1	139.3	S	S	MVX2	as @ 134.6-135.0 the phenocrysts are 2-3mm							
139.3	139.9	S		MN	as @ 133.4-133.7							80
	EOH											

Hole # 95-147	Log By: LAFH	Easting: 414953.3	Commenced	19 05 95	Recovery	Length 181.7m	Core Size NQ	Card No. 1 of 5
Stick up: 0.3	Collar Elevation: 1335	Northing: 6815597.0	Completed	20 05 95	Collar Dip 45	Azimuth 180	Assays? ✓	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	9.1			OVL	overburden - no recovery								
9.1	9.8			OVB	limited polymictic pebble/cobbles								
9.8	12.3		S	FXXF	largely 'fragmental' texture sericite-quartz-iron carbonate (+chlorite) schist with irregularly shaped silica forms (largely broken up folded siliceous ribbons) - size + density varying; patchy disseminated pyrite	1					60		
12.3	13.6	S	G	SK	Mottled sericite-chlorite-quartz schist (+ iron carbonate); limited disseminated pyrite, pyrrhotite present in Smain; local folding of S_1/S_0 at top of unit fairly symmetrical	tr	1				30	75	
13.6	23.6	G	G	FXXF	as 9.8-12.3m; limited interbedding with SK (mottled chlorite texture is locally present); disseminated to blebby pyrrhotite	tr	3						
23.6	27.2	G	G	FXXR	ribboned sericite-quartz-iron carbonate (+chlorite) schist; unevenly distributed pyrrhotite + pyrite associated with mica; S_2 reported here is weak axial planar crenulation cleavage which may be an S_1 feature (∴ S_1 would be ice)	4	2			S_0	S_1 20	70	
27.2	34.4	G	S	FXXF	as 9.8-12.3m; siliceous "fragments" relatively small and close-packed, pyrite rich bands; disseminated euhedral pyrite throughout; locally folded ribboning preserved; cut by 15cm pegmatitic quartz vein	4						70	
34.4	34.9	S	S	QZVN	pegmatitic quartz vein, veined with coarse pure galena + pyrrhotite	1			5				
34.9	38.0	S	G	FXXF	as @ 9.8-12.3; locally relatively high strain with 'fragments' stretched in Smain; locally abundant pyrrhotite and disseminated pyrite	1	3					75	
38.0	41.4	G	S	FXXR	as @ 23.6-27.2; S_2 reported is S_2; S_3 is a kink band foliation	1	4					85	45
41.4	42.5	S	S	MT	medium grey chlorite-quartz-carbonate schist; overall banded with quartz-carbonate beds (veins?) - possible dirty quartzite; large round quartz eyes, pyrrhotite is elongate within Smain; asymmetric to symmetric F_2 type(?) folds		1					0	80

HOLE # 95-147

SUMMARY LOG: overburden drilled to 9.8m; mixed FX, FY type volcanic rocks and SK rocks dominate the hangingwall, extensive alteration of varied character were intersected from 116.9 - 158.5m; two small bodies of ore separated by alteration rocks were intersected @ 158.5 - 158.9 and 159.9 - 161.9m; limited alteration envelope rocks followed by mafic rocks were drilled in the footwall, EOH @ 181.7m

DRILLING SUMMARY: 9.1 - 9.8 ≈ 0.5m loss; 99.4 - 102.4 ≈ 0.2m; 170.4 - 172.5 ≈ 0.3m loss; 172.5 - 175.9 ≈ 0.4m loss; 160.3 - 163.4 ≈ 0.2m loss; 163.4 - 166.4 ≈ 0.2m loss

Downhole Surveys

Meterage	Dip	Azimuth
collar	180°	45°
171	168°	48°
47.5	167°	48.5°
75.0	170°	49.5°
105.8	169°	50°
139.0	179°?	50.5°
175.6	173°	50
181.7	177°	50

Geores Codes From	To	Code
0	9.8	OVB
9.8	12.3	FXxF
12.3	13.6	SK
13.6	23.6	FXxF
23.6	27.2	FXxR
27.2	34.4	FXxF
34.4	34.9	QZVN
34.9	38.0	FXxF
38.0	41.4	FXxR
41.4	42.5	MT
42.5	47.9	FXxR
47.9	50.1	FXxF
50.1	52.2	FXxR
52.2	55.0	QZVN
55.0	59.8	FXxR
59.8	60.3	MT
60.3	61.2	SK
61.2	62.9	FXxR
62.9	67.9	SK
67.9	71.7	FXxR
71.7	73.2	FXxF
73.2	74.5	FXxS
74.5	75.0	FXxR
75.0	75.9	FXxF
75.9	79.9	FYxR

Geores Codes From	To	Code
79.9	83.6	FYxR
83.6	84.4	FXxF
84.4	99.4	FYxR
99.4	99.7	FLT
99.4	103.0	FXxR
103.0	109.5	FYxR
109.5	111.8	FXxR
111.8	112.5	VEIN
112.5	116.9	FXxR
116.9	121.1	ATM
121.1	122.2	ATS
122.2	127.5	ATM
127.5	129.9	ATSP
129.9	131.6	ATM
131.6	133.4	VEIN
133.4	141.8	ATB
141.8	151.3	ATS
151.3	157.7	ATM
157.7	158.5	ATMP
158.5	158.9	OB
158.9	159.9	ATMV
159.9	161.9	OB
161.9	167.3	ATMP
167.3	171.4	MDXZ
171.4	181.7	MWXZ

Reactivity with HCl From	To	Code
9.1	12.3	W
12.3	12.9	M
12.9	20.1	W
20.1	21.2	M
21.2	41.4	W
41.4	41.5	S
41.5	60.3	W
60.3	61.2	M
61.2	62.9	W
62.9	69.0	M
69.0	82.5	W
82.5	83.8	M
83.8	103.4	W
103.4	124.3	M
124.3	133.4	W
133.4	135.2	LS
135.2	161.9	W
161.9	181.7	M-S

Assays Job # 0256R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
157.0	158.5	R9509852	1.5				12.6		178	
158.5	158.9	R9509853	0.4	3.09	2.20	5.72	E 985	1181.5	E11040	8.807
158.9	159.9	R9509854	1.0	0.10	0.01	<0.01	29.8	27.3	212	0.292
159.9	161.0	R9509855	1.0	0.20	3.42	9.45	E208	192.7	1460	1.646
161.0	161.9	R9509856	0.9	0.08	2.71	6.00	E 114.5	107.3	3640	0.097
161.9	163.7	R9509857	1.5	0.30	0.11	0.42	11.8	10.8	100	0.227

Hole # 95-147	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No 2 of
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
42.5	47.9	S	G	FXVR	Folded ribboned sericite - quartz - iron carbonate schist (+chlorite); chlorite is unevenly distributed; pyrrhotite in elongate blebs to wispy bands with grey silica; pyrite coarse + euhedral disseminated unevenly; both symmetric and asymmetric folds common	2	4				0	80
47.9	50.1	G	G	FXVF	as @ 27.2 → 34.4m		2					
50.1	52.2	G	S	FXXR	as @ 42.5-47.9	1	6					85
52.2	55.0	S	S	QZVN	pegmatitic quartz veins with limited entrained host rock in the form of sericite - chlorite							
55.0	59.8	S	G	FXXR	as @ 42.5-47.9 possible weak sericitic alteration overprint	1	3					70
59.8	60.3	G	S	MT	fine grained medium green-grey sericite chlorite - quartz phyllite (+ iron carbonate) compositional bands parallel to Smain; quartz-carbonate (+biot) veins/beds in Smain; pyrrhotite - grey silica bands (2-5mm wide) in Smain; local pinching	tr	5					85
60.3	61.2	S	G	SK	mottled sericite-chlorite-quartz (+iron carbonate) schist; penetrative foliation; possible quartz eyes							70
61.2	62.9	G	G	FXXB	banded sericite-quartz ironcarbonate schist (+chlorite) with interbedded SK-type lithologies; some of the banded texture results from bands rich in quartz-carbonate 'fragments' (i.e. small angular forms strung out in bands); cut by pegmatitic quartz tourmaline vein (cuts subparallel to core axis) with some pyrite mineralization; wispy pyrrhotite in Smain	tr	2					
62.9	67.9	G	G	SK	as @ 60.3-61.2m interbedded with limited amounts of banded or ribboned FX-type volcanics; several fractures (@ 20-30° to core axis) healed by calcite, chlorite+sericite, or quartz; local largely asymmetrical folding of So/s about S2 axial planar foliation; unusual patches rich in coarse grained folded, dark green chlorite (biot??);		2				65	75
67.9	71.7	G	G	FXXB	as @ 61.2-62.9 (two veins); locally silica ribboning also present	tr	1					80
71.7												

Hole # 95-147	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 3 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2
71.7	73.2	G	G	FXXF	unusual 'fragmental' texture; sericite-iron carbonate-biotite-quartz schist (+chlorite); broken up ('fragmental') texture derived in part by S_0/S_1 divided up by S_2 (defined largely by sericite), and elsewhere by more typical FXXF → irregular silica forms; limited disseminated pyrite + pyrrhotite	tr	tr				10	80
73.2	74.5	G	G	FXXG	granular to foliated sericite quartz-iron carbonate schist (+chlorite + pyrrhotite) limited folded ribboning	tr	2					85
74.5	75.0	G	G	FXXR	as @ 42.5-47.9 (possibly $S_1 = S_0$, $S_2 = S_1$); symmetrical folds	tr	3				20	90
75.0	75.9	G	G	FXXF	as @ 9.8-12.3m		3					
75.9	79.9	G	S	FXXR	as @ 42.5-47.9 symmetrical folds (possibly recorded $S_1 = S_0$; $S_2 = S_1$); small (8cm wide) gouge zone @ 79.6m	tr	4				10	85
79.9	83.6	S	S	FYXB	wispy bands of charcoal-light grey quartz-black chlorite (graphitic?)-iron carbonate schist; elongate blebs of pyrrhotite in 5 main common		5					85
83.6	84.4	S	S	FXXF	as @ 9.8-12.3m	1	2					
84.4	99.4	S	S	FYXB	as @ 79.9-83.6m with asymmetrically folded bands; cyclical variation in black (graphitic) chlorite content; local overprint by green biotite (chlorite?) porphyroblastic alteration (weak); where black chlorite content is relatively low there is a green chlorite present; local bands of concentrated pyrrhotite, locally associated with wispy chloritic foliations, limited disseminated pyrite; core is extensively fragmented 95.6 → 99.4	1	5					85
99.4	99.7			FLT	gouge + highly fragmented core - little core loss							
99.4	103.0	S	G	FXXB	banded to wispy foliated quartz-iron carbonate-green sericite schist (+chlorite) very limited weak chlorite porphyroblastic alteration overprint; blebby to disseminated pyrrhotite; strong moderately penetrative foliation		2					85
103.0	109.5	G	G	FYXB	as @ 84.4-99.4m, pyrite + limited galena in pyrrhotite-rich bands, disseminated euhedral pyrite	3	6		tr			

Hole # 95-147	Log By:	Easting:	Commenced				Recovery	Length	Core Size	Card No. 4 of 5	
Stick up:	Collar Elevation :	Northing:	Completed				Collar Dip	Azimuth	Assays?	Coded?	Geores?

Meters		Contact		Geores	Comineo KUDZ ZE KAYAH DRILL RECORD	Sulphides %					Dip		
From	To	T	B	Code		Py	Po	Cp	Ga	Sp	S1	S2	S3
109.5	111.8	G	S	FXX B	as @ 99.7-103.0m - no AP overprint ; disseminated pyrite + pyrrhotite, locally folded ; S3 type kink	2	2					85	
111.8	112.5	S	S	VEIN	pegmatitic quartz vein riddled with abundant sulphides in broad net like pattern - overall folded ; chlorite associated with sulphides	4	10	2					
112.5	116.9	S	G	FXX B	as @ 99.7-103.0m ; with possible lithic fragments (SA - type) which lie (apparently rodded) in S main @ 113.3-113.5m ; unevenly distributed disseminated euhedral coarse grained pyrite ; interlayered with FY - type felsics								
116.9	121.1	G	S	ATM	weak to moderate typical chloritic , iron carbonate + sericite ore envelope alteration with some green biotite (chlorite) porphyroblasts unevenly distributed ; cut by 25cm quartz vein with galena and limited chalcopyrite mineralization ; limited + unevenly distributed galena + chalcopyrite throughout unit ; pre-alteration lithology probably FY - type	tr	tr	1	1			85	
121.1	122.2	S	S	ATS	strong chloritic (green biotite?) ore envelope alteration ; asymmetric to locally symmetrically folded compositional layering ; layer controlled pyrrhotite + pyrite mineralization	3	8		tr			85	
122.2	127.5	S	G	ATM	as @ 116.9-121.1m ; cut by 12cm quartz vein with entrained host rock + very limited galena ; probable FY type pre-alteration lithology layer controlled locally extensive pyrrhotite mineralization , possible deformed lithic fragments (SA type) as in FXX B @ 113.3-113.5m				tr				
127.5	129.9	G	S	ATSP	strong chlorite (green biotite) , iron carbonate [redacted] ore envelope alteration with extensive pyrrhotitic mineralization associated with lesser sphalerite + chalcopyrite ; folded + foliated	1	15	1		3	15	70	
129.9	131.6	S	S	ATM	moderate to strong sericitic + iron carbonate alteration of FY - type rocks ; relatively limited sulphides	tr	tr					85	
131.6	133.4	S	S	VEIN	pegmatitic iron carbonate + quartz (+ chlorite) with a large entrained host rock fragment @ 132.4 → 134.8								

Hole # 95-147	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No 5 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georeс?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
133.4	141.9	S	S	ATG	moderate to strong grey mica alteration rock riddled with fine calcite veins and local pyrrhotite iron carbonate-quartz veins (ex 131.6-133.4m) locally abundant carbonate phenocryst - some rimmed by dark green chlorite (biotite?) ; variable degrees of strain recorded - veining + alteration overprints earlier strain effects ; no sulphides observed.							80°
141.8	151.3	S	U	ATS	as @ 121.1-122.2 cut by numerous iron carbonate-quartz veins with limited sulphide mineralization + possible pegmatic tourmaline	tr	tr	tr					
151.3	157.7	U	S	ATM	as @ 129.9-131.6 m of FXXR-type rock; local bands of ATS with pyrrhotite rich bands + disseminated euhedral pyrite + galena	tr	1		tr			80°	
157.7	158.5	S	S	ATMP	as @ 151.3-157.7 with extensive coarse grained banded pyrite mineralization	30	1			2			
158.5	158.9	S	S	OB	faintly banded pyrite-sphalerite with calcite + tetrahedrite (graphite?) gangue	60				15		70	
158.9	159.9	S	S	ATW	weak chlorite + sericite alteration of banded FX-type rock; asymmetrical folds with few carbonate 'porphyroblasts' with oxidized rim ; deformed quartz eyes ; disseminated coarse grained euhedral pyrite	2						60°	
159.9	161.9	S	S	OB	as @ 158.5-158.9 m with ~15% carbonate+silicate gangue	10				15			
161.9	167.3	S	G	ATMP	moderate envelope alteration of MW type lithology with unevenly distributed wispy bands of chalcopyrite and bands of euhedral pyrite lying in Smain	8	3	10	tr			85°	
167.3	171.4	G	S	MQXZ	banded chlorite-calcite-biotite schist ; stretched out calcite + biotite 'porphyroblasts' lying in Smain ; no sulphides observed							85	
171.4	181.7	S		MWXZ	banded sericite-chlorite-calcite schist (+quartz) with local tiny (~1-2mm) orange iron carbonate porphyroblasts, no sulphides observed							80°	
EOH													

Hole # 95-148	Log By: PAM	Easting: 414953.3	Commenced	20 / 5 / 95	Recovery	Length 208.8	Core Size NQ	Card No 1 of 6
Stick up: 0.3	Collar Elevation :	Northing: 6815597.0	Completed	22 / 5 / 95	Collar Dip -90	Azimuth 0	Assays? ✓	Coded?	Geores? ✓

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	Dip S3
0.0	5.5			OVB									
5.5	14.3		S	FXXR*	Medium green grey well banded/ribboned quartz-sericite ± chlorite schists. Banding (few mm's to 15cm) defined compositionally (light grey siliceous ± sericite - ferrocarbonate and medium green sericite ± chlorite ± quartz). Strong S_2 spaced cleavage appears to be defined by chlorite-sericite generally at high angle to S_0/S_1 banding. Dark irregular wispy bands comprise fine-grained po-py ± sp - silica bands/veins?? Py ± py also as fine-grained disseminations.	tr	tr.1			tr	83°	33°	
14.3	14.7	S	S	MT	Medium grey green fine-grained chlorite-sericite-quartz-ferrocarbonate-calcite phyllitic schist with abundant light grey contorted quartz-ferrocarbonate ± biotite bands (beds or veins?) folded by S_2 (fold axial plane // S_2 spaced cleavage).								
14.7	17.5	S	S	MD	Medium brown grey massive fine-grained mafic dike/dyke with 10-15% calcite filled amygdules (subrded ± 3mm). Matrix comprises fine sericite-biotite-chlorite-carbonate ± ? Margins appear to be chilled over 3-10 cms [** 10' core missing according to blocks - lower contact at 20.5m according to blocks - believe extra block added here. ± 3m removed from all subsequent blocks; end of hole 209.4 not 212.4!!]							74°	
17.5	20.4	S	S	FXXR	As above; perhaps more siliceous. Several quartz ± calcite ± chlorite-ferrocarbonate veins present. 18.6 - 19.7 thin MD as above, very fine-grained chilled.								
20.4	21.0	S	S	MT	as above; very fine-grained with numerous contorted discontinuous quartz-ferrocarbonate bands (2 mm - 5mm).	tr	tr.1						
21.0	28.7	S	S	FXXR	medium green grey fragmental textured quartz-sericite-chlorite ± minor biotitic schists. Texture is fragmental to milled defined by light grey-white silica blebs/fragments (few mm's to several cm's) reflecting either fine (drill) or fragmental bedding as here in FXXR unit above and below? S_2 spaced cleavage best developed over 27.4 - 28.7 - unit now bounded in this interval. Dark grey irregular wispy bands of po/py sulphides in blebby clots/matrix / bands.	tr	tr.2					74°	
28.7	29.5	S	S	MT	as above; very fine-grained, relatively massive homogeneous. Stylolitic? locally cleavage spaced.								
29.5	34.7	S	S	FXXR	as above FXXR unit; very well developed S_2 spaced cleavage dominates throughout.							57°	
34.7	35.8	S	G	SX	medium brown grey - greenish grey biotite-calcite-quartz ± chlorite-sericite to green chlorite-sericite quartz ± biotite, fine-grained massive schists. Well bedded/laminated schists occur at both contacts.							68°	
35.8	36.0	G	S	MT	gradational/sharp contacts with SX; similar to above MT very fine-grained chloritic (low calcite content) and well banded/bedded.								
36.0	40.8	S	S	FXXR	as above; locally light grey very siliceous thin chert? interbeds (fine ash?) Medium to light green grey intervals.								
40.8	41.0	S	S	SK	? intermediate-rhyolitic? lapilli tuff to ash tuff; as below.								

HOLE # 95-148

SUMMARY LOG: Note: blocks between 47'-67' indicate 20' drilled — only 10' in boxes ∴ blocks not correct especially from 193.9 to EOH due to poor recovery. EOH is 210.0m

0.0 - 5.5 Overburden ; 5.5 - 114.0 hangingwall sequence of interbedded felsic tuffs (FZ, FX) with several intervals of mixed felsic tuff and varying proportions of argillaceous pelitic sediments (FY - SA).; 114.0 - 151.0 weak to strong alteration (ATW) - ATS) of tuffaceous sequence. At 151.5 and 152.2 2 thin OB massive sulphide horizons (20cm + 60cm respectively,) were encountered. Typical mafic footwall rocks (MUX2, MUX2) were encountered. Below the mafics a thick massive rhyolite (166.0 - 189.1) was drilled. Another thin OB massive sulphide zone (20cm) and strong-moderate alteration was found below the rhyolite flows (195.5 - 196.7). The hole ended in mixed felsic tuffs and possible rhyolite tuffs (SV).

DRILLING SUMMARY: 99.7 - 102.7 3.0m 2.5m recovered, 127.1 - 128.4 1.3 0.6 recovered ; 193.9 - 196.9 3.0m 2.9m recovered ; 196.9 - 199.4 2.5m 1.3m recovered; 199.4 - 202.7 3.3m 2.4m recovered ;

Downhole Surveys

Meterage	Dip	Azimuth
collar	90	0
14.3	90	0
44.8	89.8	228
75.3	89.5	147
105.8	89	171
136.2	88.5	186
166.7	87.8	178
199.9	87.5	177

Geores Codes

From	To	Code
0.0	5.5	OVB
5.5	14.3	FXXR
14.3	14.7	MT
14.7	17.7	MD
17.7	20.4	FXXR
20.4	21.0	MT
21.0	28.7	FXXF
28.7	29.5	MT
29.5	34.7	FXXR
34.7	35.8	SX
35.8	36.0	MT
36.0	40.6	FXXR
40.6	41.0	SK
41.0	41.3	FXXR
41.3	50.5	SK
50.5	51.2	FXXF
51.2	51.9	SK
51.9	53.6	FXXF
53.6	57.0	FXXR
57.0	57.2	QZVN
57.2	60.0	SK
60.0	64.4	FXXM
64.4	67.9	SK
67.9	70.4	MD
70.4	79.0	FZXM

Geores Codes

From	To	Code
79.0	80.2	FXXG
80.2	81.4	FZXF
81.4	84.2	FXXB
84.2	88.1	SK
88.1	89.7	FYXB
89.7	93.6	FXXB
93.6	96.2	FYXF
96.2	96.8	FYXB
96.8	99.7	FYXF
99.7	100.9	FXXB
100.9	101.2	FYXB
101.2	113.5	FZXG
113.5	113.6	SA
113.6	114.0	FYXB
114.0	116.5	ATW
116.5	123.7	ATM
123.7	127.1	ATW
127.1	128.2	FLT
128.2	131.4	ATW
131.4	133.3	QZVN
133.3	137.6	ATM
137.6	148.9	ATS
148.9	149.7	FXXR
149.7	151.0	ATS
151.0	151.1	FXXR

Reactivity with HCl

From	To	Code
5.5	14.7	N
14.7	17.5	S
17.5	20.4	N
20.4	21.0	W
21.0	28.7	N
28.7	29.5	W
29.5	34.7	N
34.7	35.8	S
35.8	41.3	N
41.3	50.5	W
50.5	51.2	N
51.2	60.0	W
60.0	64.4	N
64.4	67.9	W
67.9	152.6	N
152.6	160.0	M
160.0	166.4	N
166.4	167.6	M
167.6	193.4	N
193.4	195.4	S
195.4	199.9	N
199.9	206.9	W
206.9	208.6	N
208.6	210.0	W

Assays Job # 0256R

From	To	Sample No	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
149.6	151.1	R9509858	1.5				1.9		<10	
151.1	151.7	R9509859	0.6	0.22	2.72	5.82	55.5	51.8	220	0.353
151.7	152.2	R9509860	0.5	0.03	0.06	0.19	4.9	3.4	<10	0.080
152.2	152.8	R9509861	0.6	0.94	1.89	0.47	94.4	86.9	320	0.955
152.8	154.3	R9509862	1.5				1.4		<10	
195.5	197.0	R9509863	1.5	0.44	0.67	2.13	27.9	24.3	120	0.188

Hole # 95-146	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 5 of 5	
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded?	Georges?

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georges Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S
124.7	127.0	G	S	FXXB	banded (highly strained) sericite-quartz-carbonate schist (+chlor.?o - pyrite); pyrite is concentrated in bands (S main parallel)	6						75	
127.0	129.3	S	G	MUX2	banded biotite-calcite with 'porphyroblastic' brassy brown biotite, large sulphide blebs - pyrrhotite + pyrite	1	3					80	
129.3	132.3	G	S	MOX2	as above 127.0 - 129.3 with a higher proportion of biotite	tr	2					85	
132.3	133.2	S	S	FXXR	Ribboned felsite as @ 124.7 - 127.0m with less concentrated pyrite	2							
133.2	133.4	S	S	MZ	'pistachio' mica + calcite - banded with blebby pyrrhotite		3					85	
133.4	133.7	S	S	MN	banded biotite-calcite-chlorite schist		1					85	
133.7	134.0	S	S	MZ	as @ 133.2 - 133.4		3					85	
134.0	134.6	S	G	FXXR	as @ 129.3 - 132.3	tr						80	
134.6	135.0	G	S	MVX2	chlorite-calcite sericite schist (banded) with 1mm scale iron carbonate porphyroblasts	tr						80	
135.0	135.5	S	S	MN	as @ 133.4 - 133.7	tr						80	
135.5	135.9	S	G	MV	as @ 134.6 - 135.0 - less phenocrysts; + faint "stylolitic" cleavage	tr						75	
135.9	136.3	G	S	MZX2	as @ 133.2 - 133.4 with orangey iron carbonate phenocrysts; overprinting stylolitic cleavage.	tr							
136.3	139.1	S	S	FXXR	as @ 129.3 - 132.3								
139.1	139.3	S	S	MVX2	as @ 134.6 - 135.0 ½ phenocrysts are 2-3mm								
139.3	139.9	S		MN	as @ 133.4 - 133.7							80	
	EOH												

Hole # 95-147	Log By: LAFH	Easting: 414953.3	Commenced 19 05 95	Recovery	Length 181.7m	Core Size NQ	Card No. 1 of 5
Stick up: 0.3	Collar Elevation : 1335	Northing: 6815597.0	Completed 20 05 95	Collar Dip 45	Azimuth 180	Assays? ✓	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	9.1			OVL	overburden - no recovery								
9.1	9.8			OVB	limited polymictic pebble/cobbles								
9.8	12.3		S	FXXF	largely 'fragmental' texture sericite-quartz-iron carbonate (+chlorite) schist with irregularly shaped silica forms (largely broken up folded siliceous ribbons) - size + density varying; patchy disseminated pyrite	1					60		
12.3	13.6	S	G	SK	Mottled sericite-chlorite-quartz schist (+ iron carbonate); limited disseminated pyrite, pyrrhotite present in Smain; local folding of S_1/S_0 at top of unit fairly symmetrical	tr	1				30	75	
13.6	23.6	G	G	FXXF	as 9.8-12.3 m; limited interbedding with SK (mottled chlorite texture is locally present); disseminated to blebby pyrrhotite	tr	3						
23.6	27.2	G	G	FXXR	ribboned sericite-quartz-iron carbonate (+chlorite) schist; unevenly distributed pyrrhotite + pyrite associated with mica; S_2 reported here is weak axial planar crenulation cleavage which may be an S_1 feature (i.e. S_1 would be [illegible])	4	2				S_0 20	S_1 70	
27.2	34.4	G	S	FXXF	as 9.8-12.3 m; siliceous "fragments" relatively small and close-packed, pyrite rich bands; disseminated euhedral pyrite throughout; locally folded ribboning preserved; cut by 15cm pegmatitic quartz vein	4						70	
34.4	34.9	S	S	QZVN	pegmatitic quartz vein, veined with coarse purse galena + pyrrhotite	1			5				
34.9	38.0	S	G	FXXF	as @ 9.8-12.3; locally relatively high strain with 'fragments' stretched in Smain; locally abundant pyrrhotite and disseminated pyrite	1	3					75	
38.0	41.4	G	S	FXXR	as @ 23.6-27.2; S_2 reported is S_2; S_3 is a kink band foliation	1	4					85	45
41.4	42.5	S	S	MT	medium grey chlorite-quartz-carbonate schist; overall banded with quartz-carbonate beds (veins?) - possible dicty quartzite; large round quartz eyes, pyrrhotite is elongate within Smain; asymmetric to symmetric F_2 type(?) folds		1					0	80

HOLE #95-147

SUMMARY LOG: overburden drilled to 9.8m; mixed FX, FY type volcanic rocks and SK rocks dominate the hangingwall, extensive alteration of varied character were intersected from 116.9 - 158.5m; two small bodies of ore separated by alteration rocks were intersected @ 153.5 - 158.9 and 159.9 - 161.9m; limited alteration envelope rocks followed by mafics rocks were drilled in the footwall, EOH @ 181.7m

DRILLING SUMMARY: 9.1 - 9.8 ≈ 0.5m loss; 99.4 - 102.4 ≈ 0.2m ↓ 170.4 - 172.5 ≈ 0.3m loss; 172.5 - 175.9 ≈ 0.4m loss
160.3 - 163.4 ≈ 0.2m loss; 163.9 - 166.4 ≈ 0.2m loss

Downhole Surveys

Meterage	Dip	Azimuth
collar	180°	45°
171	168°	48°
47.5	167°	48.5°
75.0	170°	49°
105.8	169°	50°
139.0	179°?	50.5
175.6	173°	50
181.7	177°	50

Geores Codes From	To	Code
0	9.8	OVB
9.8	12.3	FXxF
12.3	13.6	SK
13.6	23.6	FXxF
23.6	27.2	FXxR
27.2	34.4	FXxF
34.4	34.9	QZVN
34.9	38.0	FXxF
38.0	41.4	FXxR
41.4	42.5	MT
42.5	47.9	FXxR
47.9	50.1	FXxF
50.1	52.2	FXxR
52.2	55.0	QZVN
55.0	59.8	FXxR
59.8	60.3	MT
60.3	61.2	SK
61.2	62.9	FXxB
62.9	67.9	SK
67.9	71.7	FXxB
71.7	73.2	FXxF
73.2	74.5	FXxG
74.5	75.0	FXxR
75.0	75.9	FXxF
75.9	99.4	FXxR

Geores Codes From	To	Code
99.4	103.6	FYxB
103.6	104.4	FXxF
104.4	107.5	SK
107.5	109.7	FLT
109.7	111.4	FXxB
111.4	111.5	FYXB
111.5	111.8	FXxB
111.8	112.5	VQN
112.5	116.9	FXxB
116.9	121.1	ATM
121.1	122.2	ATS
122.2	129.5	ATM
129.9	131.6	ATM
131.6	133.4	VEIN
133.4	141.8	ATG
141.8	151.3	ATS
151.3	157.7	ATM
157.7	158.5	ATMP
158.5	158.9	OB
158.9	159.9	ATW
159.9	161.9	OB
161.9	167.3	ATMP
167.3	171.4	MOXZ
171.4	181.7	MWXZ

Reactivity with HCl From	To	Code
9.1	12.3	W
12.3	12.9	M
12.9	20.1	W
20.1	20.2	M
20.2	41.4	W
41.4	41.5	S
41.5	60.3	W
60.3	61.2	M
61.2	62.9	W
62.9	69.0	M
69.0	82.5	W
82.5	83.8	M
83.8	133.4	W
133.4	134.3	M
134.3	133.4	W
133.4	135.2	LS
135.2	161.9	W
161.9	181.7	M-S

Assays Job # 0256R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
157.0	158.5	R9509852	1.5				12.6		178	
158.5	158.9	R9509853	0.4	3.09	2.20	5.72	E 985	1181.5	E11040	8.807
158.9	159.9	R9509854	1.0	0.10	0.01	<0.01	29.8	27.3	212	0.292
159.9	161.0	R9509855	1.0	0.20	3.42	9.45	E208	192.7	1460	1.646
161.0	161.9	R9509856	0.9	0.08	2.71	6.00	E 114.5	107.3	3640	0.697
161.9	163.7	R9509857	1.5	0.30	0.11	0.42	11.8	10.8	100	0.227

FM

Hole # 95-147	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 2 of
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters From	Meters To	Contact T	Contact B	Geores Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2
42.5	47.9	S	G	FXVR	Folded ribboned sericite-quartz-iron carbonate schist (±chlorite); chlorite is unevenly distributed; pyrrhotite in elongate blebs to wispy bands with grey silica; pyrite coarse + euhedral disseminated unevenly; both symmetric and asymmetric folds common	2	4				0	80
47.9	50.1	G	G	FXVF	as @ 27.2-34.4m		2					
50.1	52.2	G	S	FXXR	as @ 42.5-47.9	1	6					55
52.2	55.0	S	S	QZVN	pegmatitic quartz veins with limited entrained host rock in the form of sericite-chlorite							
55.0	59.8	S	G	FXXR	as @ 42.5-47.9 possible weak sericitic alteration overprint	1	3					70
59.8	60.3	G	S	MT	fine grained medium green-grey sericite-chlorite-quartz phyllite (± iron carbonate) compositional banding parallel to Smain; quartz-carbonate (±biot) veins/beds in Smain; pyrrhotite-grey silica bands (2-5mm wide) in Smain; local folding	tr	5					85
60.3	61.2	S	G	SK	mottled sericite-chlorite-quartz (±iron carbonate) schist; penetrative foliation; possible quartz eyes							70
61.2	62.9	G	G	FXXB	banded sericite-quartz ± carbonate schist (±chlorite) with interbedded SK-type lithologies; some of the banded texture results from bands rich in quartz-carbonate 'fragments' (i.e. small angular forms strung out in bands); cut by prismatic quartz-tourmaline vein (cuts sub-parallel to core axis) with some pyrite mineralization; wispy pyrrhotite in Smain	tr	2					
62.9	67.9	G	G	SK	as @ 60.3-61.2m interbedded with limited amounts of banded or ribboned FX-type volcanics; several fractures (@ 20-30° to core axis) healed by carbonate, chlorite + sericite, or quartz; local largely asymmetrical folding of S0/S1 about S2 axial planar foliation; unusual patches rich in coarse grained folded, dark green chlorite (biotite?);		2				65	75
67.9	71.7	G	G	FXXB	as @ 61.2-62.9m (no veins); locally silica ribboning also present	tr	1					80
71.7												

Hole # 95-147	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 3 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S
71.7	73.2	G	G	FXXF	unusual 'fragmental' texture; sericite-iron carbonate-biotite-quartz schist (+chlorite); broken up ('fragmental') texture derived in part by So/S1 divided up by S2 (defined largely by sericite), and elsewhere is more typical FXXF → irregular silica 'veins'; limited disseminated pyrite + pyrrhotite	tr	tr				10	20	
73.2	74.5	G	G	FXXG	granular to foliated sericite quartz-iron carbonate schist (+chlorite + pyrrhotite) limited folded ribboning	tr	2					35	
74.5	150	G	G	FXXR	as @ 42.5-47.9 (possibly S1=S0, S2=S1); symmetrical folds	tr	3				20	90	
150	75.9	G	G	FXXF	as @ 9.8-12.3m		3						
75.1	79.9	G	S	FXXR	as @ 42.5-47.9 symmetrical folds (possibly recorded S1=S0; S2=S1); small (8cm wide) gouge zone @ 79.6m	tr	4				10	85	
79.9	83.6	S	S	FYXB	wispy bands of charcoal-light grey quartz-black chlorite (graphitic?)-iron carbonate schist; elongate blebs of pyrrhotite in 5 main common		5					85	
83.6	84.4	S	S	FXXF	as @ 9.3-12.3m	1	2						
84.4	99.4	S	S	FYXB	as @ 79.9-83.6m with asymmetrically folded bands; cyclical variation in black (graphitic) chlorite content; local overprint by green biotite (chlorite?) porphyroblastic alteration (weak); where black chlorite content is relatively low there is a green chlorite present; local bands of concentrated pyrrhotite, locally associated with wispy chloritic foliations, limited disseminated pyrite; core is extensively fragmented 95.1→99.4	1	5					55	
99.4	99.7			FLT	gouge + highly fragmented core - little core loss								
99.4	103.0	S	G	FXXB	banded to wispy foliated quartz-iron carbonate-green sericite schist (+chlorite) very limited weak chlorite porphyroblastic alteration overprint; blebby to disseminated pyrrhotite; strong moderately penetrative foliation		2					85	
103.0	109.5	G	G	FYXB	as @ 84.4-99.4m; pyrite + limited galena in pyrrhotite-rich bands; disseminated euhedral pyrite	3	6		tr				

Hole # 95-147	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 4 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters From	Meters To	Contact T	Contact B	Geores Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
109.5	111.8	G	S	FXX B	as @ 99.7-103.0m ~ AP overprint; disseminated pyrite + pyrrhotite, locally folded; S3 type kink	2	2					85	
111.8	112.5	S	S	VEIN	pegmatitic quartz vein riddled with abundant sulphides in broad net-like pattern - overall folded; chlorite associated with sulphides	4	10	2					
112.5	116.9	S	G	FXX B	as @ 99.7-103.0m; with possible lithic fragments (SA-type) which lie (apparently rodded) in S main @ 113.3-113.5m; unevenly distributed disseminated subhedral coarse grained pyrite; interlayered with FY-type felsics								
116.9	121.1	G	S	ATM	weak to moderate typical chloritic, iron carbonate + sericite ore envelope alteration with some green biotite (chlorite) porphyroblasts unevenly distributed; cut by 25cm quartz vein with galena and limited chalcopyrite mineralization; limited + unevenly distributed galena + chalcopyrite throughout unit; pre-alteration lithology probably FY-type	tr	tr	1	1			85	
121.1	122.2	S	S	ATS	strong chloritic (green biotite) ore envelope alteration; asymmetric to locally symmetrically folded compositional layering; layer controlled pyrrhotite + pyrite mineralization	3	8		tr			85	
122.2	127.5	S	G	ATM	as @ 116.9-121.1m; cut by 12cm quartz vein with entrained host rock + very limited galena; probable FY type pre-alteration lithology layer controlled locally extensive pyrrhotite mineralization, possible deformed lithic fragments (SA type) as in FXX B @ 113.3-113.5m				tr				
127.5	129.9	G	S	ATSP	strong chloritic (green biotite), iron carbonate [redacted] ore envelope alteration with extensive pyrrhotitic mineralization associated with lesser sphalerite + chalcopyrite; folded + foliated	1	15	1		3	15	70	
129.9	131.6	S	S	ATM	moderate to strong sericitic + iron carbonate alteration of FY-type rocks; relatively limited sulphides	tr	tr					85	
131.6	133.4	S	S	VEIN	pegmatitic iron carbonate + quartz (+ chlorite) with a large entrained host rock fragment @ 132.4 → 134.8								

Hole # 95-147	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 5 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters From	Meters To	Contact T	Contact B	Geores Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
133.4	141.8	S	S	ATG	moderate to strong grey mica alteration rock riddled with fine calcite veins and large + prolific iron carbonate-quartz veins (ca 131.6-133.4m) locally abundant carbonate phenocryst - some rimmed by dark green chlorite (biotite??); variable degrees of strain recorded - veining + alteration overprints earlier strain effects; no sulphides observed							80	
141.8	151.3	S	U	ATS	as @ 121.1-122.2 cut by numerous iron carbonate-quartz veins with limited sulphide mineralization + possible pegmatic tourmaline	tr	tr	tr					
151.3	157.7	U	S	ATM	as @ 129.9-131.6m of FXXR-type rock; local bands of ATS with pyrhotite rich bands + disseminated euhedral pyrite + galena	tr	1		tr			80°	
157.7	158.5	S	S	ATMP	as @ 151.3-157.7 with extensive coarse grained banded pyrite mineralization	30	1			2			
158.5	158.9	S	S	OB	faintly banded pyrite-sphalerite with calcite + tetrahedrite (graphite?) gangue	60				15		70	
158.9	159	S	S	ATW	weak chlorite + sericite alteration of banded FX-type rock; asymmetrical folds with few carbonate 'porphyroblasts' with oxidized rim; deformed quartz eyes; disseminated coarse-grained euhedral pyrite	2						60°	
159	161.9	S	S	OB	as @ 158.5-158.9m. with ~15% carbonate+silicate gangue	10				15			
161.9	167.3	S	S	ATMP	moderate pervasive envelope alteration of MW type lithology with unevenly distributed wispy bands of chalcopyrite and bands of euhedral pyrite lying in Smain	8	3	10	tr			85°	
167.3	171.4	G	S	MQXZ	banded chlorite-calcite-biotite schist; stretched out calcite + biotite 'porphyroblasts' lying in Smain; no sulphides observed							85	
171.4	181.7	S		MWXZ	banded sericite-chlorite-calcite schist (+quartz) with local tiny (~1-2mm) orange iron carbonate porphyroblasts, no sulphides observed							80°	
EOH													

Hole # 95-148	Log By: PAM	Easting: 414953.3	Commenced	20	5	95	Recovery	Length 208.8	Core Size NQ	Card No 1 of 6
Stick up: 0.3	Collar Elevation :	Northing: 6815597.0	Completed	22	5	95	Collar Dip -90	Azimuth 0	Assays? ✓	Coded? Geores? ✓

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0.0	5.5			OUB									
5.5	14.3		S	FXXR	Medium green grey well banded/ribboned quartz-sericite ± chlorite schists. Banding (few mm's to 15cm) defined compositionally (light grey silica ± sericite-fecarbonate and medium green sericite ± chlorite ± quartz). Strong S_2 spaced cleavage appears to be defined by chlorite-sericite generally at high angle to S_0/S_1 banding. Dark irregular wispy bands comprise fine-grained po-py ± sp-silica bands/veins?? Po ± py also as fine-grained disseminations.	tr	tr.1			tr	82°	33°	non penetr. spaced cleavage
14.3	14.7	S	S	MT	medium grey green fine-grained chlorite-sericite-quartz-fecarbonate calcite phyllitic schist with several light grey contorted quartz-fecarbonate ± biotite bands (beds or veins?) folded by S_2 (fold axial plane // S_2 spaced cleavage).								
14.7	17.5	S	S	MD	medium brown grey massive fine-grained mafic fill/dyke with 10-15% calcite filled amygdules (subdued 1-3mm). Matrix comprises fine grained biotite-chlorite-calcite ± ? Margins appear to be chilled over 3-10 cms [**10' core missing according to blocks — lower contact at 20.5m according to blocks — believe extra block added here ∴ 3m removed from all subsequent blocks; end of hole 209.4 not 212.4!!]							74°	
17.5	20.4	S	S	FXXR	as above; perhaps more siliceous. Several quartz ± calcite-chlorite-tourmaline veins present. 18.6-18.7 thin MD as above, very fine-grained chilled.								
20.4	21.0	S	S	MT	as above; very fine-grained with numerous contorted discontinuous quartz-fecarbonate bands (≤1mm-5mm).	tr	tr.1						
21.0	28.7	S	S	FXXF	medium green grey fragmental textured quartz-sericite-chlorite ± minor biotite schists. Texture is fragmental to mottled defined by light grey-white silica blebs (few mm's to several cm's) reflecting either true lapilli or fragmented bedding as seen in FXXR unit above and below? S_2 spaced cleavage best developed ~ 27.4-28.7 — unit more banded in this interval. Dark grey irregular wispy bands reflect sulphides in blebby disseminations + bands.	tr	tr.2					74°	
28.7	29.5	S	S	MT	as above; very fine-grained, relatively massive homogeneous. Stylolites? locally developed.								
29.5	34.7	S	S	FXXR	as above FXXR unit; very well developed S_2 spaced cleavage developed throughout.							57°	non penetr. spaced cleav.
34.7	35.8	S	G	SX	medium brown grey-greenish grey biotite-calcite-quartz ± chlorite-sericite to greener chlorite-sericite quartz ± biotite, fine-grained massive schists. Well bedded/banded schists occur at both contacts.							68°	
35.8	36.0	G	S	MT	gradational contacts with SX; similar to above MT very fine-grained, chloritic (low calcite content) and well banded/bedded.								
36.0	40.8	S	S	FXXR	as above; locally light grey very siliceous thin cherty interbeds (fine ash?) Medium to light green grey interval.								
40.8	41.0	S	S	SK	? intermediate-dacitic? lapilli tuff to ash tuff; as below.								

HOLE # 95-148

SUMMARY LOG: Note: blocks between 47'-67' indicate 20' drilled — only 10' in boxes ∴ blocks not correct especially from 193.9 to EOH due to poor recovery. EOH is 210.0m

0.0-5.5 Overburden; 5.5-114.0 hangingwall sequence of interbedded felsic tuffs (FZ, FX) with several intervals of mixed felsic tuff and varying proportions of argillaceous pelitic sediments (FY-SA); 114.0-151.0 weak to strong alteration (ATW-ATS) of tuffaceous sequence. At 151.5 and 152.2 2 thin CB massive sulphide horizons (20cm + 60cm respectively) were encountered. Typical mafic footwall rocks (MUX2, MUX2) were encountered. Below the mafics a thick massive rhyolite (160.0-189.1) was drilled. Another thin CB massive sulphide zone (20cm) and strong-moderate alteration was found below the rhyolite flows (195.5-196.7). The hole ended in mixed felsic tuffs and possible lapilli tuffs (SV).

DRILLING SUMMARY: 99.7-102.7 3.0m 2.5m recovered; 127.1-128.4 1.3 0.6 recovered; 193.9-196.9 3.0m 2.9m recovered; 196.9-199.4 2.5m 1.3m recovered; 199.4-202.7 3.3m 2.4m recovered;

Downhole Surveys

Meterage	Dip	Azimuth
collar	90	0
14.3	90	0
44.8	89.8	228
75.3	89.5	147
105.8	89	171
136.2	88.5	186
166.7	87.8	178
199.9	87.5	177

Geores Codes

From	To	Code
0.0	5.5	OVB
5.5	14.3	FXXR
14.3	14.7	MT
14.7	17.7	MD
17.7	20.4	FXXR
20.4	21.0	MT
21.0	28.7	FXXF
28.7	29.5	MT
29.5	34.7	FXXR
34.7	35.8	SX
35.8	36.0	MT
36.0	40.6	FXXR
40.6	41.0	SK
41.0	41.3	FXXR
41.3	50.5	SK
50.5	51.2	FXXF
51.2	51.9	SK
51.9	53.6	FXXF
53.6	57.0	FXXR
57.0	57.2	QZVN
57.2	60.0	SK
60.0	64.4	FXXM
64.4	67.9	SK
67.9	70.4	MD
70.4	79.0	FZXM

Geores Codes

From	To	Code
79.0	80.2	FXXG
80.2	81.4	FZXF
81.4	84.2	FXXB
84.2	88.1	SK
88.1	89.7	FYXB
89.7	93.6	FXXB
93.6	96.2	FYXF
96.2	96.6	FYXB
96.6	99.7	FYXF
99.7	100.9	FXXB
100.9	101.2	FYXB
101.2	113.5	FZXG
113.5	113.6	SA
113.6	114.0	FYXB
114.0	116.5	ATW
116.5	123.7	ATM
123.7	127.1	ATW
127.1	128.2	FLT
128.2	131.4	ATW
131.4	133.3	QZVN
133.3	137.6	ATM
137.6	148.9	ATS
148.9	149.7	FXXR
149.7	151.0	ATS
151.0	151.1	FXXR

Reactivity with HCl

From	To	Code
5.5	14.7	N
14.7	17.5	S
17.5	20.4	N
20.4	21.0	W
21.0	28.7	N
28.7	29.5	W
29.5	34.7	N
34.7	35.9	S
35.9	41.3	N
41.3	50.5	W
50.5	57.2	N
57.2	60.0	W
60.0	64.4	N
64.4	67.9	W
67.9	152.6	N
152.6	160.0	M
160.0	166.4	N
166.4	167.6	M
167.6	193.4	N
193.4	195.4	S
195.4	199.9	N
199.4	206.9	W
206.9	208.6	N
208.6	210.0	W

Assays Job # 0256R

From	To	Sample No	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
149.6	151.1	R9509858	1.5				1.9		<10	
151.1	151.7	R9509859	0.6	0.22	2.72	5.82	55.5	51.8	220	0.353
151.7	152.2	R9509860	0.5	0.03	0.06	0.19	4.9	3.4	<10	0.080
152.2	152.8	R9509861	0.6	0.94	1.89	0.47	94.4	86.9	320	0.955
152.8	154.3	R9509862	1.5				1.4		<10	
195.5	197.0	R9509863	1.5	0.44	0.67	2.13	27.9	24.3	120	0.188

Hole # 95-148	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 2 of 6	
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded?	Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
41.0	41.3	S	S	FXXR	Olivine ribbon banded FX; as above.							(parallel banding) 73, 36 (spaced fractures)	
41.3	50.5	S	G	SK	? medium grey - medium green grey, interval of quartz-sericite-chlorite ± biotite, mottled to fragmental textured lapilli tuff to lapilli-crystal tuff (possibly, dacitic-andesitic ??). Upper (41.3 - 44.9 ±) portion of unit appears to be finer grained with occasional banded to fragmental textures (diffuse) becoming more fragmental textured lower down in unit. "Fragments" include dark green chlorite ± calcite ± pumpy fragments and mafic bands (flattened ? up to several cm's by 1 cm's almost flame like locally but more likely deformational), and light grey quartz ± sericite - recrystallized blebs (1 x 3 - 6 mm's bands) and bands set in a slightly mottled grey aphanitic quartz-sericite ± recrystallized matrix. Similar to what has been logged as SK. Rarely 20cm thinly banded + folded.		tr						
50.5	51.2	G	G	FXXF	as above.; however banding is mostly preserved + more fragmental textured								
51.2	51.9	G	G	SK	as above.		tr					58°	
51.9	53.8	G	G	FXXF	as above.								
53.8	57.0	G	S	FXXR	as above; medium green grey unit.							32° (poor)	
57.0	57.2	S	S	Q2VN	quartz - bleb - calcite - chlorite - tourmaline veins with strong sericite (chlorite alteration halos. Trace py ± cpy								
57.2	60.0	S	G	SK	as above; however more banded/foliated to unit. Still contains dark green chlorite ± calcite - pumpy mafic bands? (possibly unit is Olivine grading into green FX below).								
60.0	64.4	G	S	FXXM	as above, medium green grey mottled (fragmental) to banded textured interval (dark chlorite fragments/bands are not present as in above SK).							71°	
64.4	67.9	S	G	SK	? medium-dark green grey unit; as above SK, with good fragmental textures dominated by dark chlorite ± calcite-quartz flattened pumpy fragments with coarse light grey, mottled blebby fragments. Matrix also takes on a slight waxy (K-alteration ?) alteration. Possible Volcanic lapilli tuff ??		tr					60°	
67.9	70.4	G	S	FZXB	light - medium grey (green grey) quartz - sericite schist (well banded - foliated S0/S1 disrupted by S2) with thin py ± silica-chlorite dissemination and irregular bands.	tr	tr-1						
70.4	70.5	S	S	MD	thin biotite - calcite - chlorite mafic dyke with thin chilled rim and calcite amygdules towards the middle of the dyke.							77°	
70.5	79.0	S	G	FZXB	as above; perhaps increased proportion ± irregular (crackle) banding parallel) dark py ± cpy - chlorite ± silica bands and blebs, disseminations	tr-1	tr-2						

HOLE #

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #											
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T	
151.1	151.5	FLT																		
151.5	151.7	OB																		
151.7	152.2	FZXR																		
152.2	152.8	OB																		
152.8	154.8	FWXR																		
154.8	159.8	MOX2																		
159.8	160.0	MWX2																		
160.0	166.4	FF																		
166.4	167.6	MUXF																		
167.6	189.1	FF																		
189.1	193.4	FZXR																		
193.4	195.4	MO																		
195.4	195.5	FXXG																		
195.5	195.7	OB																		
195.7	196.2	ATS																		
196.2	196.7	ATM																		
196.7	199.9	FXXG																		
199.9	206.9	SV																		
206.9	208.6	FXXG																		
208.6	210.0	SV																		

Hole # 95-148	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 3 of 6
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Georeс?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georeс Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
79.0	80.2	G	G	FXXG	mod granular textured FZ with increased feldspar/K-carbonate content (intergrown with silica) as blebby disseminations. The bemused texture is also an underlying FZ not as well developed here. Schist contains mod chlorite almost FZXG?		tr-1					67°	
80.2	81.4	G	S	FZXF	as above, with mod fragmental, mottled texture defined by light grey, elongate silica blebs.		tr						
81.4	84.2	S	G	FXXB	interbanded FXXG, FXXB with minor SK intervals. Strongly transposed intervals with only minor good bedding textures traceable down 10-20 cms. Overall becomes more SK dominant in the following interval. Medium green grey colouration.		tr					67°	
84.2	88.1	G	S	SK	mod bemused texture, as opposed to good fragmental texture typical of SK. Minor FX intervals. Strong S_2 fabric.		tr						
88.1	89.7	S	S	FYXB	bemused green - sericite - chlorite ± K-carbonate schists, as above SK, with well developed spaced cleavage (S_2 parallel?) defined by dark grey chlorite similar to FYXA chlorite (at least only very weakly graphitic). The impression is that FYXB with strong transposition of the relationship, minor FY/SA component into the cleavage. i.e. felsic - chlorite build with minor argillaceous intervals interbedded.		tr					67°	
89.7	93.6	S	G	FXXB	dark grey chlorite altered, bemused similar strongly transposed textures to ~ 94.8. Similar to above mixed interval (FXXB)								
93.6	96.2	G	S	FYXF	Medium - dark grey interbedded comprising massive homogeneous green - chlorite ± graphite - biotite - calcite - K-carbonate schist with trace to 15% subrounded elongate up to 4x10 cm light grey chalcedonic fragments? Possible epiclastic lapilli - ash tuff.; graphitic very minor component.							67°	
96.2	96.8	S	S	FYXB	dark grey weakly bemused texture (reflecting thin bedding nature) more typical of FYXB than the laminite. Argillaceous laminite interbedded with epiclastic lapilli - ash to ash tuff.							60°	
96.8	99.7	S	G	FYXF	as above; homogeneous unit with 10-25% locally, subrounded fragments as in overlying interval.		tr-1						
99.7	100.9	G	S	FXXB	light green grey, bemused (S_2) green - sericite - chlorite ± K-carbonate schist		tr-2						
100.9	101.2	S	S	FYXB	thin bemused (S_2 transposition of S_1/S_0) mixed green - sericite - chlorite schist on dark grey chloritic argillaceous beds. Medium - dark grey interval.	tr	tr						
101.2	113.5	S	S	FZXG	light - medium grey green, massive homogeneous green - sericite schist with weak sericite/chlorite alteration overprint giving light greenish colouration (AYw!) Banding defined by S_2 fabric. green veins at 104.4 - 104.6, 106.2 - 106.9, 107.1 - 107.3 Veining has granular pink - white bands/contacts that crosscut throughout. Unit becomes more granular due to massive nature??	tr	tr-1					68°	

Hole # 95-148	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 4 of 6
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
113.5	113.6	S	S	SA	dark grey to black, siliceous mudstone becoming more dyke-like downhole.	tr	2-5						
113.6	114.0	S	G	FYXB	interbedded/banded FX and dark grey chloritic intermixtures; as above.	tr-2	1-3					64°	
114.0	116.5	G	G	ATW	laminated to thinly bedded / banded FY? Unit is sericite - chlorite altered. S_0/S_1 preserved, striking S_2 foliation is prominent. Medium/dark green grey coloured intervals. Several narrow quartz veins present.		tr-1						
116.5	123.7	G	G	ATM	increasing sericite + green chlorite (biotite) destruction in thin patches and irregular bands. Recrystallized calcite spherules now prevalent. FYXB unit could extend from 114.0 to ~116.0; 116.0 - 123.7 appears to be an FXXB unit with an ATM overprint. Numerous quartz + recrystallized - biotite - chlorite + py + cpy veins i.e. 116.7 - 117.0, 117.9 - 118.3, 119.0 - 119.2, 122.9 - 123.1, 123.2 - 123.4.							67°	
123.7	127.1	G	S	ATW	medium grey strongly sericitic (grey mica) + chloritic altered felsic tuffs. Pervasively recrystallized.								
127.1	128.2	S	S	FLT	fluvial recovery; intensely gouged zone in ATW								
128.2	131.4	S	S	ATW	FXXB with ATW overprint; as above.								
131.4	133.3	S	S	Q2VN									
133.3	137.6	S	G	ATM	strong grey sericitic with dark green chloritic (biotite) locally elongated wisps ~ Rock fragments tuff							53°	
137.6	148.9	G	S	ATS	pervasive, dark green chlorite/biotite alteration with locally weak recrystallization development. good spaced veins at 139.0 quartz veins at 140.6 - 141.0, 141.2 - 141.3 contains several 10cm to 1.5m thick intervals of fine-grained, massive homogeneous mafic tuff + flows (chlorite altered). i.e. 144.3 - 145.9.	tr	tr-2	tr				72°	
148.9	149.7	S	S	FXXR	Medium grey, siliceous, banded FX to moderate AT overprint							75°	
149.7	151.0	S	S	ATS	as above.		tr-1						
151.0	151.1	S	S	FXXR	as above.								
151.1	151.5	S	S	FLT	fault gouge and crushed OR sulphides.	40		tr	tr	2-5			
151.5	151.7	S	S	OB	Minor crushed zones with OR	100		tr-1	tr-2	5-10			

Hole # 95-148	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 5 of 6
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S3
151.7	152.2	S	S	FZXR	light, medium green grey, well banded 11 S_2 quartz-sericite schist with weak-moderate sericitic ± chloritic alteration.	tr-3							
152.2	152.8	S	S	QR	good typical high sulphide QR lower contact is thin gouge zone, 1-3 cm's.	65	tr.	1-2	2-3	10-15		71°	
152.8	154.8	S	S	FWXR	as above FZXR unit but not as siliceous and abundant quartz-calcite bands (veins??)								
154.8	159.8	S	S	MOX2	chlorite-calcite-biotite schist with locally developed recrystallization — unit has typical MWX2 texture; locally contains significant biotite.							84°	
159.8	160.0	S	S	MWX2	light green sericite-chlorite-calcite schist with weak ± fine Fe-carbonate porphyroblasts scattered throughout. Not quite a MZV2 unit although likely an equivalent.	tr							
160.0	166.4	S	G	FF	very fine-grained, dense, siliceous rhyolite flow/tuff, light grey-light green grey, poorly developed foliation! 160.0-160.4 brecciated FF flow top or flow bottom breccia 160.4-166.4 more massive but brecciated with yellowish green sericite ± calcite along fractures and occasional thin, fine-grained SD-py-quartz-calcite veins.	tr-5						80°	
166.4	167.6	G	S	MWXF	siliceous medium-dark green chlorite-calcite-silica schist with abundant ?? diffuse MAFIC, light grey, (silica blebs (possibly rhyolitic fragments?? ≤ 3mm) chloritized felsic xenoliths?? Not a mafic unit!! Several fine-grained SD-py-quartz-calcite veins present	tr-5	tr.					82°	
167.6	189.1	S	S	FF	as above light-dark grey aphanitic rhyolite flow/tuff; locally quartz porphyritic (≤ 15% embedded clear grey beads) are generally containing 5-15% silica blebs ≤ 1mm - 15 mm; subrounded (amygdaloidal??). Unit is locally well fractured cut by numerous SD-py-silica-calcite veins and very thin clear silica veins. Zone 720-730 m is partially brecciated and mixed with underlying tuff. No stratigraphy found.	tr-3			tr	tr-2			
189.1	193.4	S	S	FZXR	light-medium green grey quartz-sericite thinly bedded schist with locally weak chlorite and occasional quartz-calcite bands/veins? Siliceous bands (flattened ?) appear possibly FF in appearance. (FFtf or banded FFtf)	tr						63°	
193.4	195.4	S	S	MO	well banded chlorite-calcite ± muscovite schist with abundant quartz-calcite veins and blebby discontinuous bands. Strong S_2 fabric. Original rock possibly MAFIC							77°	
195.4	195.5	S	S	FXXG	massive fine-grained quartz-sericite-chlorite schist with occasional lapilli sized siliceous fragments. Possible fine crystal rich ash tuff with ash lapilli. Only ATM-ATW alteration at best (chlorite-sericite).								

Hole # 95-148	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 6 of 6	
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded?	Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
195.5	195.7	S	S	OB	16cm thick recrystallized fine grained buckshot pyrite (remnant recrystallized from brecciated py ???) in very fine grained pyrite bio matrix. Sp is main component. Ga, Cp very fine-grained.	70	5	tr		1-5			
195.7	196.2	S	S	ATS	dark green chlorite (biotite?) with fine-med Fe-carbonate + quartz, containing disseminated cpy - py - po. Typical ATS	2-3	2-5	tr-2					
196.2	196.7	S	S	ATM	Medium-dark green-grey chlorite + sericite altered FXXG; as above and below.								
196.7	199.9	S	G	FXXG	as above with weaker sericite + Fe-carbonate alteration 1968 - 199.5 was broken intensely fractured; lost core and gouge at 1969 - 197.6??, 198.9?? - 199.2??								
199.9	206.9	G	S	SV	Mottled chlorite - sericite - quartz ± calcite - biotite - Fe-carbonate schist. Medium - dark green, gneissic cut by weakly developed spaced cleavage (S_2) defined by bio, sericite - quartz ± Fe-carbonate moderate to strongly to ATS like appearance. Orientation is generally fair-specific remains with no apparent structure (Skarn remnant - sintof!?) 201.8 - 211.9 fault gouge.							69° 32°	parallel to core axis
206.9	208.6	S	G	FXXG	light creamy grey, fine grained crystal-aivn talc; Fe-carbonate altered lesser amounts to common LVK quartz cone healing crystal fragments. Remnant chlorite - quartz ± calcite - sericite wispy fragment in discontinuous bands is present.								
208.6	210.0 EOH	G		SV	similar to above SV, however intense ↓ chlorite dominating this interval is more biotitic with only, very chloritic Wonderness is broken but remains biotite - sericite - quartz ± chlorite - calcite. Sericite - quartz ± Fe-carbonate mass cutting. Cp cleavages produce locally thinner textures. Sericite mass quartz - Fe-carbonate veins with minor biotite - sericite - tourmaline??								

Hole # 95-149	Log By: LAFH	Easting: 414749.3	Commenced	22	5	95	Recovery	Length 206.0	Core Size NQ	Card No 1 of 5
Stick up: 0.3	Collar Elevation : 1413'	Northing: 6815683.9	Completed	23	5	95	Collar Dip 55	Azimuth 180	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	4.3			OVB	overburden - no recovery								
4.3	4.4			OVB	polymictic pebbles/cobbles								
4.4	4.9		S	FXXB	thinly banded sericite-quartz-iron carbonate schist (+chlorite)								
4.9	7.0	S	G	MF	fine grained banded sericite-carbonate-chlorite phyllite (+biotite + quartz) probable mafic (intermediate) flow or dike/sill; dark brown porphyroblastic biotite flecks; limited sulphides		tr					75	
												80	
7.0	7.5	G	S	FXXB	as @ 4.4-4.9		tr						
7.5	10.2	S	S	MF	banded biotite-calcite-chlorite schist (+sericite + quartz; folded quartz-calcite bands, stretched calcite 'phenocrysts' (?) and euhedral biotite porphyroblasts; "stylolitic" cleavage - non-penetrative highly oblique to banding		tr				70	80	
10.2	10.4	S	S	QZVN	segmentitic quartz vein								
10.4	15.2	S	S	MFXB	as @ 4.9-7.0; cyclical variations in composition, local interbedded FXXR-type lithology, locally folded banding; limited blebby pyrrhotite		tr					80	
15.2	16.9	S	S	FXXF (FTL)	'fragmental' felsic volcanic rock with irregular silica forms in sericite-carbonate (+chlorite) matrix; also see lapilli-sized possible volcanic fragments;								
16.9	18.6	S	S	MFXB	as @ 10.4-15.2; with 'stylolites' which have similar orientation to near-by S_3-type crenulation cleavages						70	80	-5
18.6	19.2	S	G	FXXR	ribboned (locally folded asymmetrically) sericite-quartz-iron carbonate (+chlorite schist		tr				80		55
19.2	20.4	G	G	SK	foliated to mottled quartz-chlorite-sericite-iron carbonate schist (+biotite) - looks like a pelitic influx into some felsic volcanic (FX-FT?) rock; typical mottled texture has been strung out into irregular wispy foliations						80		

HOLE # 95-149

SUMMARY LOG: 4.4 m of overburden drilled before Fx-type felsite was intersected; Fx rocks interbedded with mafic flows (dykes?) and tuffs and SK lithologies dominate the hanging wall; over 14m of ore envelope alteration was drilled before ore was intersected @ 174.2m; ore continues to 187.7m except over the interval 182.6-185.7m where altered rocks are present; altered rocks followed by mafic with limited interbeds of felsic rocks encompass the footwall rocks drilled

DRILLING SUMMARY: 39.6 – 41.5 ~0.2m loss; 62.8 ~0.2m loss; 148.1-151.2 ~0.2m loss; 154.2 → 157.3 ~0.3m loss; 184.7 → 184.7 ~0.2m loss; 184.7-87.8 ~0.2m loss; 190.8 → 193.9 ~ 0.2m

Downhole Surveys

Meterage	Dip	Azimuth
Collar	55	180
17.1	57	171
44.5	59	171
75.0	60	171
105.5	61	173
135.9	61.5	178
166.4	61.5	~~186~~
196.9	61.5	171.5

Geores Codes From	To	Code
0	4.4	OVB
4.4	4.9	FxxB
4.9	7.0	MF
7.0	7.5	FxxB
7.5	10.2	ME
10.2	10.4	QZVN
10.4	15.2	MFxB
15.2	16.9	FxxF
16.9	18.6	MFxB
18.6	19.2	FxxR
19.2	20.4	SK
20.4	27.5	FTL
27.5	28.6	SK
28.6	31.7	FTL
31.7	37.7	MTxB
37.7	66.4	FxxF
66.4	69.2	SK
69.2	70.4	FxxF
70.4	72.4	SK
72.4	73.6	MD
73.6	74.3	FxxB
74.3	102.9	FxxF
102.9	107.1	SK
107.1	110.2	FxxR
110.2	111	QZVN

Geores Codes From	To	Code
111.1	114.4	SK
114.4	184.3	FxxF
184.3	127.3	FxxG
127.3	127.7	SK
127.7	138.4	FxxF
138.4	141.7	FxxD
141.7	143.5	FxxG
141.9	142.3	FIT
143.5	144.6	FV
144.6	145.8	FxxG
145.8	147.0	FY
147.0	151.9	FZxR
151.9	153.4	QZVN
153.4	161.5	FY
161.5	163.4	ATW
163.4	164.1	QZVN
164.1	169.3	ATM
169.3	174.2	ATSD
174.2	176.3	DB
176.3	176.7	DC
176.7	177.0	DT
177.0	180.3	DU
180.3	180.9	DA
180.9	182.6	DE
182.6	185.9	ATBP

Reactivity with HCl From	To	Code
43	75	M
75	10.2	S
10.2	18.6	M
18.6	27.5	W
27.5	32.3	M
32.3	62.7	W
62.7	72.4	M
72.4	72.7	S
72.7	74.3	M
74.3	93.7	W
93.7	100.4	M
100.4	100.5	W
100.5	102.5	D
102.5	111.1	W
111.1	116.1	M
116.1	127.3	W
127.3	127.7	M
127.7	164.0	W
164.0	165.3	M
165.3	169.2	W
169.2	169.8	S
169.8	179.9	W
179.9	180.2	M
180.2	187.7	W
187.7	189.2	M

Assays Job # 0256R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
171.0	172.7	R9509864	1.5	2.82	0.03	0.28	86.2	76.7	1228	1.978
172.7	174.2	R9509865	1.5	4.96	0.13	0.58	E 161.5	149.3	1500	2.409
174.2	175.8	R9509866	1.5	0.20	4.55	12.01	E 178.5	163.2	764	0.933
175.8	177.3	R9509867	1.5	1.68	4.29	11.66	E 221.5	198.2	1052	1.695
177.3	178.8	R9509868	1.5	0.17	4.95	13.01	E 159.5	143.6	596	0.731
178.8	180.3	R9509869	1.5	0.88	1.76	11.49	E 130	120.0	1184	1.429
180.3	181.5	R9509870	1.2	1.51	1.03	5.24	E 114	96.1	4020	1.848
181.5	182.6	R9509871	1.1	1.04	1.87	7.31	E 286	262.9	1680	2.020
182.6	184.3	R9509872	1.5	0.38	0.31	1.86	26.6	22.9	116	0.227
184.3	185.9	R9509873	1.5	0.44	0.21	1.47	28.7	24.3	340	0.334
185.9	186.9	R9509874	1.0	0.18	0.82	5.20	69.1	63.2	604	0.815
193.0	194.5	R9509875	1.5	0.26	0.75	6.01	77.2	68.2	500	0.772

See 3rd Pg

Hole # 95-148	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 6 of 6	
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded?	Geores?

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
195.5	195.7	S	S	OB	16cm thick recrystallized fine grained brecciated pyrite (recrystallized from breccia py??) in very fine grained matrix to matrix Sp is minor component. Ga, also very fine grained.	70	5	tr		1-5			
195.7	196.2	S	S	ATS	dark green chlorite (biotite?) with fine red hematite + quartz veining disseminated cpy - py - po. Trace ATS	2-3	2-5	tr-2					
196.2	196.7	S	S	ATM	Medium-dark green grey chlorite + sericite altered FXXG; no clear cut below.								
196.7	199.9	S	G	FXXG	as above with weaker sericite + hematite alteration 1968 - 199.5 very broken intense fracture; lost core over gauge at 1969 - 197.4??, 1989?? - 199.2??								
199.9	206.9	G	S	SV	Mottled chlorite - sericite - quartz + calcite - biotite - hematite breccia. Medium-dark green grey veins cut by weakly developed spaced cleavage (S_2) defined by by sericite - quartz + hematite material is stained to yellow appearance. Intensity is generally fair - poor as opposed to fracture (SK generally - sat'd!?) 201.8 - 211.9 fault gouge.							69° 32°	
206.9	208.6	S	G	FXXG	light green grey, fine grained crystal - sand tuff; recrystallized altered locally appears to contain 1/2% quartz eyes. Seldom crystal fragments. Occasional chlorite - quartz + calcite - sulfide wispy fragment or discontinuous lamina is present								
208.6	211.0 EOH	G		SV	similar to above SV; however instead of chlorite dominating this interval is more biotite with only minor chlorite. Weakness is broken but contains biotite - sericite - quartz ± chlorite - calcite. Sericite - quartz + hematite mass cutting cleavages produce locally shimmer texture. Sequence minor quartz - hematite veins with minor biotite - sericite - hematite??								

Hole # 95-149	Log By: LAFH	Easting: 414749.3	Commenced	22 / 5 / 95	Recovery	Length 206.0m	Core Size NQ	Card No 1 of 5
Stick up: 0.3	Collar Elevation: 1413'	Northing: 6815683.9	Completed	23 / 5 / 95	Collar Dip -55	Azimuth 180	Assays?	Coded? Georges?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georges Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	4.3			OVB	overburden - no recovery								
4.3	4.4			OVB	polymictic pebbles/cobbles								
4.4	4.9		S	FXX3	thinly banded sericite-quartz-iron carbonate schist (+chlorite)								
4.9	7.0	S	G	MF	fine grained banded sericite-carbonate-chlorite phyllite (+biotite + quartz) probable mafic (intermediate) flow or dike/sill; dark brown porphyroblastic biotite flecks; limited sulphides		tr					75	
7.0	7.5	G	S	FXX3	as @ 4.4-4.9		tr					80	
7.5	7.2	S	S	MF	banded biotite-calcite-chlorite schist (+sericite-quartz; folded quartz-calcite bands, stretched calcite 'phenocrysts' (?) and euhedral biotite porphyroblasts; "stylolitic" cleavage - non-penetrative lightly oblique to banding		tr				70	80	
10.2	10.4	S	S	QZVN	sequichitic quartz vein								
10.4	15.2	S	S	MFXB	as @ 4.9-7.0; cyclical variations in composition, local interbedded FXXR-type lithology, locally folded banding; limited blebby pyrrhotite		tr					80	
15.2	16.9	S	S	FXXF (FTL)	'fragmental' felsic volcanic rock with irregular silica forms in sericite-carbonate (+chlorite) matrix; also see lapilli-sized possible volcanic fragments;								
16.9	18.6	S	S	MFXB	as @ 10.4-15.2; with 'stylolites' which have similar orientation to nearby S_3-type crenulation cleavages						70	80	-5
18.6	19.2	S	G	FXXR	ribbonned (locally folded asymmetrically) sericite-quartz-iron carbonate (+calcite) schist		tr				80		55
19.2	20.4	G	G	SK	Foliated to mottled quartz-chlorite-sericite-iron carbonate schist (+biotite) - looks like a perlitic influx into some felsic volcanic (FX-FT?) rock; typical mottled texture has been strung out into irregular wispy foliation.						80		

HOLE # 95-149

SUMMARY LOG: 4.4 m of overburden drilled before Fx-type felsite was intersected; Fx rocks interbedded with mafic flows (dykes?) and tuffs and SK lithologies dominate the hanging wall; over 14m of ore envelope alteration was drilled before ore was intersected @ 174.2m; ore continues to 187.7m except over the interval 182.6-185.9m where altered rocks are present; altered rocks followed by mafic with limited interbeds of felsic rocks encompass the footwall rocks drilled

DRILLING SUMMARY: 39.6 – 41.5 ≈0.2m loss; 62.8 ≈0.2m loss; 148.1 – 151.2 ≈0.2m loss; 154.2 → 157.3 ≈0.3m loss; 184.7 → 184.7 ≈0.2m loss; 184.7 – 87.8 ≈0.2m loss; 190.8 → 193.9 ≈ 0.2m

Downhole Surveys

Meterage	Dip	Azimuth
Collar	55	180
17.1	57	171
44.5	59	171
75.0	60	171
105.5	61	173
135.9	61.5	178
166.4	61.5	~~186~~
196.9	61.5	171.5

Geores Codes From	To	Code	Geores Codes From	To	Code	Reactivity with HCl From	To	Code	Assays Job # 0256R From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
0	4.4	OVB	111.1	114.4	SK	43	75	M	171.0	172.7	R9509864	1.5	2.82	0.03	0.28	86.2	76.7	1223	1.978
4.4	4.9	FxxB	114.4	184.3	FxxF	7.5	10.2	S	172.7	174.2	R9509865	1.5	4.96	0.13	0.58	E 161.5	149.3	1500	2.409
4.9	7.0	MF	184.3	127.3	FxxG	10.2	18.6	M	174.2	175.8	R9509866	1.5	0.20	4.55	12.01	E 178.5	163.2	764	0.933
7.0	7.5	FxxB	127.3	127.7	SK	18.6	27.5	W	175.8	177.3	R9509867	1.5	1.68	4.79	11.66	E 221.5	198.2	1052	1.695
7.5	10.2	MF	127.7	138.4	FxxF	27.5	32.3	M	177.3	178.8	R9509868	1.5	0.17	4.95	13.01	E 159.5	143.6	596	0.731
10.2	10.4	QZVN	138.4	141.7	FxxD	32.3	62.7	W	178.8	180.3	R9509869	1.5	0.88	1.76	11.49	E 130	120.0	1184	1.429
10.4	16.2	MFxB	141.7	143.5	FxxG	62.7	72.4	M	180.3	181.5	R9509870	1.2	1.51	1.03	5.24	E 114	96.1	4020	1.848
16.2	16.9	FxxF	141.9	142.3	FIT	72.4	72.7	S	181.5	182.6	R9509871	1.1	1.04	1.87	7.31	E 286	262.9	1680	2.020
16.9	18.6	MFxB	143.5	144.6	FV	72.7	74.3	M	182.6	184.3	R9509872	1.5	0.38	0.31	1.86	26.6	22.9	116	0.227
18.6	19.2	FxxR	144.6	145.8	FxxG	74.3	98.7	W	184.3	185.9	R9509873	1.5	0.44	0.21	1.47	28.7	24.3	340	0.334
19.2	20.4	SK	145.8	148.0	FY	98.7	100.4	M	185.9	186.9	R9509874	1.0	0.18	0.82	5.20	69.1	63.2	604	0.815
20.4	27.5	FTL	148.0	151.9	FZvR	100.4	109.5	W	193.0	194.5	R9509875	1.5	0.26	0.75	6.01	77.2	68.2	500	0.772
27.5	28.6	SK	151.9	153.4	QZVN	109.5	111.1	M											
28.6	31.7	FTL	153.4	161.5	FY	111.1	116.1	W											
31.7	37.7	FMxB	161.5	163.4	ATW	116.1	127.3	M											
37.7	66.4	FxxF	163.4	164.1	QZVN	127.3	129.7	W											
66.4	69.2	SK	164.1	169.3	ATM	129.7	164.0	M											
69.2	70.4	FxxF	169.3	174.2	ATSD	164.0	165.8	W											
70.4	72.4	SK	174.2	176.3	DB	165.8	169.2	M											
72.4	73.6	MD	176.3	176.7	QC	169.2	169.8	W											
73.6	74.3	FxvB	176.7	177.0	QT	169.8	179.9	S											
74.3	102.9	FxxF	177.0	180.3	QC	179.9	179.9	W											
102.9	107.1	SK	180.3	180.9	DA	179.9	180.2	M											
107.1	110.2	FxxR	180.9	182.6	QC	180.2	187.7	W											
110.2	111.1	QZVN	182.6	185.9	ATBP	187.7	189.3	M											

See 2nd Pg

Hole # 95-149	Log By:	Easting:	Commenced				Recovery	Length	Core Size	Card No 2 of 5
Stick up:	Collar Elevation :	Northing:	Completed				Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
20.4	27.5	G	G	FTL	fragmental tuffaceous felsite – quartz-sericite-iron carbonate schist (+chlorite) interbedded with numerous small mafic tuffs/flows (as @ 4.9-7.0m); chlorite abundance is locally variable.		tr						
27.5	28.6	G	G	SK	as @ 19.2-20.4m but mottling texture is better preserved here; old fractures healed with quartz + carbonate + biotite								
28.6	31.7	G	S	FTL	as @ 20.4-27.5m with F3 type crenulation; locally appears to have been subjected to chlorite + silica alteration; limited disseminated pyrite	tr					65	80	-55
31.7	37.7	S	S	MTXB	banded quartz + iron carbonate – chlorite + sericite + biotite; overall medium greenish-grey; banding folded + overprinted with 'stylolites' + crenulations (F3-S3?); earlier asymmetrical folding (F2?-F1?) has no associated axial planar cleavage in this core (S2 is in axial planar); overprinted with chlorite-rimmed albite porphyroblasts						[illegible]	85	[illegible]
37.7	66.4	S	G	FXYF (FXXR)	irregular silica (+iron carbonate) forms in sericite-iron carbonate-chlorite matrix; silica forms extremely densly packed – nested; locally folded – symmetrical; locally abundant biotite porphyroblasts (up to 15%); interbedded with MF (MD?) @ 46.8-47.1m; locally ribboned texture remains in tact (ie 50.7-52.0m); local influxes of chlorite (approaches SK); isolated chalcopyrite bands		tr	1				80	
66.4	69.2	G	G	SK	as @ 27.5-28.6m (no healed fracture); band of pyrrhotite grey silica		1					85	
69.2	70.4	G	G	FXYF	as @ 37.7-66.4 without SK + MF input; no sulphides observed						80	85	
70.4	72.4	G	S	SK	as @ 66.4-69.2m								
72.4	73.6	S	S	MD	atypical mafic dyke with sericite-chlorite hosting calcite "phenocrysts" (stretched) and carbonate-chlorite porphyroblasts rimmed by biotite							60°	
73.6	74.3	S	G	FXXB	'fragmental' sericite-iron carbonate-quartz schist (+chlorite); disseminated pyrite	1						80	
74.3	102.9	G	G	FXYF	as @ 69.2-70.4, with small (3-5cm) pyrrhotite + pyrite + quartz bands; disseminated, wispy pyrrhotite; cut by pegmatitic quartz vein (12cm)	1	5				30	80	

HOLE # 95-149

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #											
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T	
185.9	187.7	OB				189.3	196.8	W												
187.7	190.0	AYM				196.8	200.0	S												
190.0	193.0	ATM					COH													
193.0	196.5	ATSP																		
196.5	197.4	ATW																		
197.4	200.3	MUX2																		
200.3	201.6	FW																		
201.6	206.0	MOX4																		

Hole # 95-149	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 3 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Georeс?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georeс Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
102.9	107.1	G	G	SK	as @ 19.2-20.4 with small elongate pyrrhotite blebs		2				20	85	
107.1	110.2	G	S	FXXR	ribboned quartz-sericite-iron carbonate (+chlorite+pyrite); thin band (1cm) of coarse euhedral pyrite + quartz; pyrite>pyrrhotite + chalcopyrite (?) in wispy foliations	3	1	tr				70	
110.2	111.1	S	S	QZVN	pegmatitic quartz vein with common small entrained host rock fragments coarse pyrrhotite in irregular blobs		3						
111.1	114.4	S	G	SK	as @ 102.9-107.1 with irregular wispy foliations rich in pyrrhotite + grey silica; cut by small quartz vein; interbedded with limited FX+FF		4						
114.4	124.3	G	G	FXXF	as @ 37.7-66.4m (no mafic interbeds/dykes); silica forms become progressively less abundant down unit - pyrrhotite-grey silica forms give this unit the 'fragmental' texture @ unit's bottom (pyrrhotite becomes more abundant down unit		8				25	70	
124.3	127.3	G	S	FXYG	granular, foliated, sericite-quartz-iron carbonate schist (+chlorite+pyrite) pyrite (+grey silica) rich bands + disseminated pyrite, small pyrrhotite blebs.	3	1					75°	
127.3	127.7	S	S	SX	sericite-calcite-biotite-quartz schist (+chlorite) somewhat atypical SX - not as much biotite; roundish calcite quartz blobs of varied size; elongate small pyrite blebs in S-plane are common	6						85°	
127.7	138.4	S	G	FXXF	as @ 37.7-66.4m (no mafic interbeds/dykes); varied character - locally granular (foliated); broken ribboning at very fine scale; some pyrrhotite-rich bands	1	4				40	80	
138.4	141.7	G	G	FXXP	sericite-quartz-iron carbonate-pyrite schist (+chlorite); pyrite is schistose + in bands with grey silica > abundance varies; cut by quartz veins; band of pyrite poor schist with quite yellow sericite (@ 139.7-139.8m)	15					20	80	
141.7	143.5	G	G	FXYG	as @ 124.3-127.3 cut by quartz veins + gouge zones (small); local yellow sericite	tr	1					85	
141.9	142.3			FLT	limited gouge with fragmented core								

Hole # 95-149	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 4 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
143.5	144.6	G	G	FY	weakly banded charcoal + light green grey quartz - iron carbonate - black (graphitic) chlorite ; locally folded (asymmetrical) ; cut by quartz vein disseminated pyrrhotite ± blebs		4					35°	
144.6	145.8	G	G	FXG	as @ 124.3 - 127.3 m ; limited sulphides	tr	1						
145.8	148.0	G	S	FY	as @ 143.5 - 144.6 m ; local very finely laminated ; local symmetrical folds ends in small gouge zone		3				10°	80°	
148.0	151.9	S	S	FZXR	Gldsf ribboned quartz - sericite - iron carbonate schist ; sericite is green-yellow ; blebs to layers of pyrrhotite + grey silica ; cut by small quartz veins ; at bottom of unit, limited influx of black (graphitic) chlorite		5					80°	
151.9	153.4	S	S	QZVN	pegmatitic quartz vein with entrained host rock (most concentrated at top + bottom of unit)								
153.4	161.5	S	G	FY	as @ 145.8 - 148.0 m cut by pegmatitic quartz veins ; progressively more black (graphitic) chlorite down unit ; silica + host rock breccia vein cuts bottom of unit ; relatively limited disseminated pyrite + pyrrhotite throughout, local pyrite rich foliations ; cut by small gouge (green biotite?)	2	tr				35°	75°	
161.5	163.9	G	S	ATM (FZ)	weak to moderate typical chlorite + ankerite ore envelope alteration of FZ type rock some pyrite + Pyrrhotite associated with chlorite ; small gouge zone subparallel to core axis ; fracture healed with yellow carbonate	1	tr					80°	
163.4	164.1	S	S	QZVN	pegmatitic quartz with limited entrained host rock								
164.1	169.3	S	S	ATM	moderate carbonate, sericite + some chlorite ore envelope alteration, well banded + folded, bands largely defined by gray silica + sulphides (pyrrhotite + pyrite + chalcopyrite) ; overprints FX or FY(??)	5	12	0			15	85°	
169.3	174.2	S	S	ATSP	strong typical green biotite (chlorite ?), ankerite and albite, ore envelope alteration with extensive sulphide (esp chalcopyrite) mineralization which gets more intense down the unit, black tetragonal (soft) porphyroblasts (DR says tetrahedrite, PAM says chlorite)	3	8	15					

Hole # 95-149	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 5 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Georeas?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	Dip S3
174.2	176.3	S	G	OB	banded sulphides (largely pyrite-sphalerite) with ~30% carbonate + barite	45			10	20		75	
176.3	176.7	G	G	OC	net-like chalcopyrite with sphalerite banding overprinting; porphyroblastic albite + chlorite (green biotite?) gangue ~10%	20	15	35		20			
176.7	177.0	G	G	OJ	net-like sulphides + gangue (silica + carbonate ± barite)	35		15		15			
177.0	180.2	G	S	OB	as @ 174.2-176.3m	40			10	20		80	
180.2	180.4	S	G	OA	massive sulphides laminated with magnetite ~15% carbonate-silica gangue	45	5	15				90°	
180.4	182.6	S	S	OB	as @ 174.2-176.3 becomes gunite gangue-rich in places (up to 50%!)	50			2	15			
182.6	185.9	S	S	ATBP	strong grey mica + ankerite ore envelope alteration with extensive sulphide mineralization (banding)	25				5		70°	
						60	tr	tr	5	15		85°	
185.9	187.7	S	S	OB	as @ 174.2-176.3								
187.7	190.0	S	S	AYM	moderate sericitic ore envelope alteration overprinting probable FZ/FY(?); sericite: yellowy-green (not canary yellow); some euhedral banding parallel pyrite mineralization	3					70°	80°	
190.0	193.0	S	G	ATM	moderate typical albite-ankerite-sericite (±chlorite) ore envelope alteration; with local banding parallel pyrite, sphalerite + galena mineralization; cutby quartz and plag-quartz veins	4			1	1		85°	
193.0	196.5	G	S	ATSP	as @ 169.3-174.2 without euhedral porphyroblasts; sulphides become more limited down unit	3	5	20					
196.5	197.4	S	S	ATW	weak ore envelope (chlorite + sericite) alteration overprinting banded/ribboned calcite, limited sulphides.	tr						70°	
197.4	200.3	S	S	MUX2 MUX4	chlorite calcite schist with stretched calcite chambs to bands of calcite with locally abundant biotite porphyroblasts, no sulphides observed								
200.3	201.6	S	S	FW	quartz-sericite schist with calcite bands, with layers rich in biotite	1						70°	
201.6	206.0			MUX4	banded chlorite-calcite with abundant biotite porphyroblasts elongate within S main; no sulphides observed						80	85°	
EOH													

Hole # 95-147	Log By:	Easting:	Commenced				Recovery	Length	Core Size	Card No 2 of
Stick up:	Collar Elevation :	Northing:	Completed				Collar Dip	Azimuth	Assays?	Coded?	Geores?

Meters From	Meters To	Contact T	Contact B	Geores Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2
42.5	47.9	S	G	FXXR	folded ribboned sericite-quartz-iron carbonate schist (+chlorite); chlorite is unevenly distributed; pyrrhotite in elongate blebs to wispy bands with grey silica; pyrite coarse + euhedral disseminated unevenly; both symmetric and asymmetric folds common	2	4				0	80
47.9	50.1	G	G	FXVF	as @ 27.2 → 34.4m		2					
50.1	52.2	G	S	FXXR	as @ 42.5-47.9	1	6.					85
52.2	55.0	S	S	QZVN	pegmatitic quartz veins with limited entrained host rock in the form of sericite-chlorite							
55.0	59.8	S	G	FXXR	as @ 42.5-47.9 possible weak sericitic alteration overprint	1	3.					70
59.8	60.3	G	S	MT	fine grained medium green-grey sericite-chlorite-quartz phyllite (+iron carbonate) compositional banding parallel to Smain; quartz-carbonate (+biot) veins/beds in Smain; pyrrhotite-grey silica bands (2-5mm wide) in Smain, local folding	tr	5					85
60.3	61.2	S	G	SK	mottled sericite-chlorite-quartz (+iron carbonate) schist; penetrative foliation; possible quartz eyes.							70
61.2	62.9	G	G	FXXB	banded sericite-quartz iron carbonate schist (+chlorite) with interbedded SK-type lithologies; some of the banded texture results from bands rich in quartz-carbonate 'fragments' (ie small + angular forms strung out in bands); cut by pegmatitic quartz tourmaline vein (cuts sub-parallel to core axis) with some pyrite mineralization; wispy pyrrhotite in Smain	tr	2					
62.9	67.9	G	G	SK	as @ 60.3-61.2m interbedded with limited amounts of banded or ribboned FX-type volcanics; several fractures (@ 20-30° to core axis) healed by calcite, chlorite + sericite, or quartz; local largely asymmetrical folding of S_0/S_1 about S_2 axial planar foliation; unusual patches rich in coarse grained folded, dark green chlorite (biotite??);		2				65	75
67.9	71.7	G	G	FXXB	as @ 61.2-62.9 (no vein); locally silica ribboning also present	tr	1					80
71.7												

Hole # 95-147	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 3 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2
71.7	73.2	G	G	FXXF	unusual 'fragmental' texture; sericite-iron carbonate-biotite-quartz schist (+chlorite); broken up ('fragmental') texture derived in part by S_0/S_1 divided up by S_2 (defined largely by sericite), and elsewhere by more typical FXXF → irregular silica forms; limited disseminated pyrite + pyrrhotite	tr	tr				10	80
73.2	74.5	G	G	FXXG	granular to foliated sericite quartz-iron carbonate schist (+chlorite + pyrrhotite) limited folded ribboning	tr	2					85
74.5	75.0	G	G	FXXR	as @ 42.5-47.9 (possibly $S_1 = S_0$, $S_2 = S_1$); symmetrical folds	tr	3				20	90
75.0	75.9	G	G	FXXF	as @ 9.8-12.3m		3					
75.9	79.9	G	S	FXXR	as @ 42.5-47.9 symmetrical folds (possibly recorded $S_1 = S_0$; $S_2 = S_1$); small (8cm wide) gouge zone @ 79.6m	tr	4				10	85
79.9	83.6	S	S	FYXB	wispy bands of charcoal-light grey quartz-black chlorite (graphitic?)-iron carbonate schist; elongate blebs of pyrrhotite in Smain common		5					85
83.6	84.4	S	S	FXXF	as @ 9.8-12.3m	1	2					
84.4	99.4	S	S	FYXB	as @ 79.9-83.6m with asymmetrically folded bands; cyclical variation in black (graphitic) chlorite content; local overprint by green biotite (chlorite?) porphyroblastic alteration (weak); where black chlorite content is relatively low there is a green chlorite present; local bands of concentrated pyrrhotite, locally associated with wispy chloritic foliations, limited disseminated pyrite; core is extensively fragmented 95.6 → 99.4	1	5					85
99.4	99.7			FLT	gouge + highly fragmented core - little core loss							
99.4	103.0	S	G	FXXB	banded to wispy foliated quartz-iron carbonate-green sericite schist (+chlorite) very limited weak chlorite porphyroblastic alteration overprint; blebby to disseminated pyrrhotite; strong moderately penetrative foliation		2					85
103.0	109.5	G	G	FYXB	as @ 84.4-99.4m, pyrite + limited galena in pyrrhotite-rich bands, disseminated euhedral pyrite	3	6		tr			

Hole # 95-147	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 4 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters From	Meters To	Contact T	Contact B	Geores Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
109.5	111.8	G	S	FXXB	as @ 99.7-103.0m - no AP overprint; disseminated pyrite-pyrrhotite, locally folded; S3 type kink	2	2					85	
111.8	112.5	S	S	VEIN	pegmatitic quartz vein riddled with abundant sulphides in broad net-like pattern - overall folded; chlorite associated with sulphides	9	10	2					
112.5	116.9	S	G	FXXB	as @ 99.7-103.0m; with possible lithic fragments (SA-type) which lie (apparently rodded) in S main @ 113.3-113.5m; unevenly distributed disseminated euhedral coarse grained pyrite; interlayered with FY-type felsics								
116.9	121.1	G	S	ATM	weak to moderate typical chlorite, iron carbonate + sericite ore envelope alteration with some green biotite (chlorite) porphyro blasts unevenly distributed; cut by 25cm quartz vein with galena and limited chalcopyrite mineralization; limited + unevenly distributed galena + chalcopyrite throughout unit; pre-alteration lithology probably FY-type	tr	tr	1	1			85	
121.1	122.2	S	S	ATS	strong chloritic (green biotite?) ore envelope alteration; asymmetric to locally symmetrically folded compositional layering; layer controlled pyrrhotite + pyrite mineralization	3	8		tr			80	
122.2	127.5	S	G	ATM	as @ 116.9-121.1m; cut by 12cm quartz vein with entrained host rock + very limited galena; probable FY type pre-alteration lithology layer controlled locally extensive pyrrhotite mineralization, possible deformed lithic fragments (SA type) as in FXXB @ 113.3-113.5m				tr				
127.5	129.9	G	S	ATSP	strong chloritic (green biotite), iron carbonate [redacted] ore envelope alteration with extensive pyrrhotite-iron carbonate mineralization associated with lesser sphalerite + chalcopyrite; folded + foliated	1	15	1		3	15	70	
129.9	131.6	S	S	ATM	moderate to strong sericitic + iron carbonate alteration of FY-type rocks; relatively limited sulphides	tr	tr					85	
131.6	133.4	S	S	VEIN	pegmatitic iron carbonate + quartz (+ chlorite) with a large entrained host rock fragment @ 132.4 → 134.8								

Hole # 95-147	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No 5 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2
133.4	141.8	S	S	ATG	moderate to strong grey mica alteration rock riddled with fine calcite veins and large + prolific iron carbonate-quartz veins (as 131.6-133.4m) locally abundant carbonate phenocryst - some rimmed by dark green chlorite (biotite??); variable degrees of strain recorded - veination + alteration overprints earlier strain effects; no sulphides observed.							80°
141.8	151.3	S	U	ATS	as @ 121.1-122.2 cut by numerous iron carbonate-quartz veins with limited sulphide mineralization + possible pegmatic tourmaline	tr	tr	tr				
151.3	157.7	U	S	ATM	as @129.9-131.6m of FXXR-type rock; local bands of ATS with pyrrhotite rich bands + disseminated euhedral pyrite + galena	tr	1		tr			80°
157.7	158.5	S	S	ATMP	as @ 151.3-157.7 with extensive coarse grained banded pyrite mineralization	30	1			2		
158.5	158.9	S	S	OB	faintly banded pyrite-sphalerite with calcite + tetrahedrite (graphite?) gangue	60				15		70°
158.9	159.9	S	S	ATW	weak chlorite + sericite alteration of banded FX-type rock; asymmetrical folds with few carbonate 'porphyroblasts' with oxidized rim; deformed quartz eyes; disseminated coarse-grained euhedral pyrite	2						60°
159.9	161.9	S	S	OB	as @ 158.5-158.9m. with ~15% carbonate + silicate gangue	70°				15		
161.9	167.3	S	G	ATMP	moderate ore envelope alteration of MU type lithology with unevenly distributed wispy bands of chalcopyrite and bands of euhedral pyrite lying in Smain	8	3	10	tr			85°
167.3	171.4	G	S	MOXZ	banded chlorite-calcite-biotite schist; stretched out calcite + biotite 'porphyroblasts' lying in Smain; no sulphides observed							85
171.4	181.7	S		MWXZ	banded sericite-chlorite-calcite schist (+quartz) with local tiny (~1-2mm) orange iron carbonate porphyroblasts, no sulphides observed							80°

EOH

Hole # 95-148	Log By: PAM	Easting: 414953.3	Commenced	20 / 5 / 95	Recovery	Length 208.8	Core Size NQ	Card No 1 of 6
Stick up: 0.3	Collar Elevation :	Northing: 6815597.0	Completed	22 / 5 / 95	Collar Dip -90	Azimuth 0	Assays? ✓	Coded? Georges? ✓

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georges Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	Dip S3
0.0	5.5			OVB									
5.5	14.3		S	FXXR*	Medium green grey well banded/ribboned quartz-sericite ± chlorite schists. Banding (few mm's to 15cm) defined compositionally (light grey silica ± sericite-ferrocarbonate and medium green sericite ± chlorite ± quartz). Strong S_2 spaced cleavage appears to be defined by chlorite-sericite generally cut high angle to S_0/S_1 banding. Dark irregular wispy bands (composition fine-grained py-po ± sp-silica bands/veins??) Py ± po also as fine-grained disseminations.	tr	tr.1			tr	82°	33°	non-penetrative spaced cleavage
14.3	14.7	S	S	MT	Medium grey green fine-grained chlorite-sericite-quartz-ferrocarbonate calcite physetti schist with abundant light grey contorted quartz-ferrocarbonate ± biotite bands (beds or veins?) followed by S_2 (fold axial plane // S_2 spaced cleavage).								
14.7	17.5	S	S	MD	Medium brown grey massive fine-grained mafic dike/dyke with 10-15% calcite filled amygdules (subrded 1-3mm). Matrix comprises fine sericite biotite-chlorite-calcite ± ? Margins appear to be chilled over 3-10 cms. X*10 core missing according to blocks — blocks contact at 20.5m according to blocks — believe extra block added here. ; 3m removed from all subsequent blocks; end of hole 209.4 not 212.4!!							74°	
17.5	20.4	S	S	FXXR	as above; perhaps more chloritic. Several quartz ± calcite ± chlorite-tourmaline veins present. 19.6-19.7 thin MD as above, very fine-grained chilled								
20.4	21.0	S	S	MT	as above; very fine-grained with numerous contorted discontinuous quartz-ferrocarbonate bands (≤ 1 mm - 5 mm).	tr	tr.1						
21.0	28.7	S	S	FXXR	medium green grey fragmental textured quartz-sericite-chlorite ± minor biotitic schists. Texture is fragmental to rubbled defined by light grey-white silica blebs (few mm's to several cm's) reflecting either fine lapilli or fragmental bedding as seen in FXXR unit above and below? S_2 spaced cleavage best developed in 27.4-28.7 - unit more homogeneous in this interval. Dark grey irregular wispy bands (silver sulphides in blebby clots-minerals + bands)	tr	tr.2					74°	
28.7	29.5	S	S	MT	as above; very fine-grained, relatively massive homogeneous. Stylolitic? locally closely spaced.								
29.5	34.7	S	S	FXXR	as above FXXR unit; very well developed S_2 spaced cleavage developed throughout							57°	non-penetrative spaced cleav.
34.7	35.8	S	G	SX	medium brown grey-greenish grey biotite-calcite-quartz ± chlorite-sericite to greenish chlorite-sericite quartz ± biotite, fine-grained massive schists. Well bedded/laminated schists occur at both contacts.							68°	
35.8	36.0	G	S	MT	gradational contacts with SX; similar to above MT very fine-grained chloritic (low calcite content) and well banded/bedded								
36.0	40.8	S	S	FXXR	as above; locally light grey very siliceous thin cherty interbeds (fine ash?) Medium to light green grey intervals.								
40.8	41.0	S	S	SK	? intermediate-chlorite? lapilli tuff to ash tuff; as below.								

HOLE # 95-148

SUMMARY LOG: Note: blocks between 47'-67' indicate 20' drilled — only 10' in boxes ∴ blocks not correct especially from 193.9 to EOH due to poor recovery. EOH is 210.0m

0.0-5.5 Overburden; 5.5-114.0 hangingwall sequence of interbedded felsic tuffs (FZ, FX) with several intervals of mixed felsic tuff and varying proportions of argillaceous pelitic sediments (FY-SA).; 114.0-151.0 weak to strong alteration (ATW-ATS) of tuffaceous sequence. At 151.5 and 152.2 2 thin OB massive sulphide horizons (20cm + 60cm respectively) were encountered. Typical mafic footwall rocks (MUX2, MUX2) were encountered. Below the mafics a thick massive rhyolite (160.0-189.1) was drilled. Another thin OB massive sulphide zone (20cm) and strong-moderate alteration was found below the rhyolite flows (195.5-196.7). The hole ended in mixed felsic tuffs and possible lapilli tuffs (SV).

DRILLING SUMMARY: 99.7-102.7 3.0m 2.5m recovered; 127.1-128.4 1.3 0.6 recovered; 193.9-196.9 3.0m 2.9m recovered; 196.9-199.4 2.5m 1.3m recovered; 199.4-202.7 3.3m 2.4m recovered;

Downhole Surveys

Meterage	Dip	Azimuth
collar	90	0
14.3	90	0
44.8	89.8	228
75.3	89.5	147
105.8	89	171
136.2	98.5	186
166.7	87.8	178
199.9	87.5	177

Geores Codes

From	To	Code
0.0	5.5	OVB
5.5	14.3	FXXR
14.3	14.7	MT
14.7	17.7	MD
17.7	20.4	FXXR
20.4	21.0	MT
21.0	28.7	FXXF
28.7	29.5	MT
29.5	34.7	FXXR
34.7	35.8	SX
35.8	36.0	MT
36.0	40.6	FXXR
40.6	41.0	SK
41.0	41.3	FXXR
41.3	50.5	SK
50.5	51.2	FXXF
51.2	51.9	SK
51.9	53.6	FXXF
53.6	57.0	FXXR
57.0	57.2	QZVN
57.2	60.0	SK
60.0	64.4	FXXM
64.4	67.9	SK
67.9	70.4	MD
70.4	79.0	FZXM

Geores Codes

From	To	Code
79.0	80.2	FXXG
80.2	81.4	FZXF
81.4	84.2	FXXB
84.2	88.1	SK
88.1	89.7	FYXB
89.7	93.6	FXXB
93.6	96.2	FYXF
96.2	96.8	FYXB
96.8	99.7	FYXF
99.7	100.9	FXXB
100.9	101.2	FYXB
101.2	113.5	FZXG
113.5	113.6	SA
113.6	114.0	FYXB
114.0	116.5	ATW
116.5	123.7	ATM
123.7	127.1	ATW
127.1	128.2	FLT
128.2	131.4	ATW
131.4	133.3	QZVN
133.3	137.6	ATM
137.6	148.9	ATS
148.9	149.7	FXXR
149.7	151.0	ATS
151.0	151.1	FXXR

Reactivity with HCl

From	To	Code
5.5	14.7	N
14.7	17.5	S
17.5	20.4	N
20.4	21.0	W
21.0	28.7	N
28.7	29.5	W
29.5	34.7	N
34.7	35.8	S
35.8	41.3	N
41.3	50.5	W
50.5	51.2	N
51.2	60.0	W
60.0	64.4	N
64.4	67.9	W
67.9	152.6	N
152.6	160.0	M
160.0	166.4	N
166.4	167.6	M
167.6	193.4	N
193.4	195.4	S
195.4	199.9	N
199.9	206.9	W
206.9	208.6	N
208.6	210.0	W

Assays Job # 0256R

From	To	Sample No	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
149.6	151.1	R9509858	1.5				1.9		<10	
151.1	151.7	R9509859	0.6	0.22	2.72	5.82	55.5	51.8	220	0.353
151.7	152.2	R9509860	0.5	0.03	0.06	0.19	4.9	3.4	<10	0.080
152.2	152.8	R9509861	0.6	0.94	1.89	0.47	94.4	86.9	320	0.955
152.8	154.3	R9509862	1.5				1.4		<10	
195.5	197.0	R9509863	1.5	0.44	0.67	2.13	27.9	24.3	120	0.188

Hole # 95-148	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 2 of 6	
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded?	Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
41.0	41.3	S	S	FXXR	Olivine ribbon banded FX; as above.							(parallel banding) 73, 36 (spaced fractures)	
41.3	50.5	S	G	SK	? medium grey - medium green grey, interval of quartz-sericite-chlorite ± biotite, mottled to fragmental textured lapilli tuff to lapilli-crystal tuff (possibly, dacitic-andesitic ??). Upper (41.3 - 44.9 ±) portion of unit appears to be finer grained with occasional banded to fragmental textures (diffuse) becoming more fragmental textured lower down in unit. "Fragments" include dark green chlorite ± calcite ± pumpy fragments and mafic bands (flattened ? up to several cm's by 1 cm's almost flame like locally but more likely deformational), and light grey quartz ± sericite - recrystallized blebs (1 x 3 - 6 mm's bands) and bands set in a slightly mottled grey aphanitic quartz-sericite ± recrystallized matrix. Similar to what has been logged as SK. Rarely 20cm thinly banded + folded.		tr						
50.5	51.2	G	G	FXXF	as above.; however banding is mostly preserved + more fragmental textured								
51.2	51.9	G	G	SK	as above.		tr					58°	
51.9	53.8	G	G	FXXF	as above.								
53.8	57.0	G	S	FXXR	as above; medium green grey unit.							32° (poor)	
57.0	57.2	S	S	Q2VN	quartz - bleb - calcite - chlorite - tourmaline veins with strong sericite (chlorite alteration halos. Trace py ± cpy								
57.2	60.0	S	G	SK	as above; however more banded/foliated to unit. Still contains dark green chlorite ± calcite - pumpy mafic bands? (possibly unit is Olivine grading into green FX below).								
60.0	64.4	G	S	FXXM	as above, medium green grey mottled (fragmental) to banded textured interval (dark chlorite fragments/bands are not present as in above SK).							71°	
64.4	67.9	S	G	SK	? medium-dark green grey unit; as above SK, with good fragmental textures dominated by dark chlorite ± calcite-quartz flattened pumpy fragments with coarse light grey, mottled blebby fragments. Matrix also takes on a slight waxy (K-alteration ?) alteration. Possible Volcanic lapilli tuff ??		tr					60°	
67.9	70.4	G	S	FZXB	light - medium grey (green grey) quartz - sericite schist (well banded - foliated S0/S1 disrupted by S2) with thin py ± silica-chlorite dissemination and irregular bands.	tr	tr-1						
70.4	70.5	S	S	MD	thin biotite - calcite - chlorite mafic dyke with thin chilled rim and calcite amygdules towards the middle of the dyke.							77°	
70.5	79.0	S	G	FZXB	as above; perhaps increased proportion ± irregular (crackle) banding parallel) dark py ± cpy - chlorite ± silica bands and blebs, disseminations	tr-1	tr-2						

HOLE #

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #											
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T	
151.1	151.5	FLT																		
151.5	151.7	OB																		
151.7	152.2	FZXR																		
152.2	152.8	OB																		
152.8	154.8	FWXR																		
154.8	159.8	MQX2																		
159.8	160.0	MWX2																		
160.0	166.4	FF																		
166.4	167.6	MUXF																		
167.6	189.1	FF																		
189.1	193.4	FZXR																		
193.4	195.4	MQ																		
195.4	195.5	FXXG																		
195.5	195.7	OB																		
195.7	196.2	ATS																		
196.2	196.7	ATM																		
196.7	199.9	FXXG																		
199.9	206.9	SV																		
206.9	208.6	FXXG																		
208.6	210.0	SV																		

Hole # 95-148	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 3 of 6
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
79.0	80.2	G	G	FXXG	mod granular textured FZ with increased feldspar/K-carbonate content (intergrown with silica) as blebby dissemination. The bounding textures is also not underlying FZ not end well developed here. Schist contains mod chlorite almost FZXG?		tr-1					67°	
80.2	81.4	G	S	FZXF	as above, with more fragmental, mottled texture defined by light grey, elongated silica blebs.		tr						
81.4	84.2	S	G	FXXB	interbanded FXXG, FXXB with minor SK intervals. Strongly transposed intervals with only minor granular bounded textures traceable over 10-20 cms. Overall becomes more SK dominant in the following interval. Medium green grey colouration.		tr						67°	
84.2	88.1	G	S	SK	mod banded textures, as opposed to grossly fragmental texture typical of SK. Minor FX intervals. Strong S_2 fabric		tr						
88.1	89.7	S	S	FYXB	banded quartz-sericite-chlorite ± K-carbonate schists, as above SK, with very close/mod spaced cleavage (S_2 parallel?) defined by dark grey chlorite similar to FYXA chlorite (at least only very weakly graphitic). The impression is that of FYXB with strong transposition of the relatives, minor FY/SA component into the cleavage. i.e. felsic-chloritic rocks with minor argillaceous intervals interbanded.		tr						67°	
89.7	93.6	S	G	FXXB	dark grey chlorite absent, but similar strong transposed textures to ~ 94.8. Similar to above mixed interval (FXXB)								
93.6	96.2	G	S	FYXF	Medium-dark grey interval comprising massive homogeneous quartz-chlorite ± graphite-biotite-calcite-K-carbonate schist with trace to 15% subrounded clasts up to 4x10 cm light grey chalcedonic fragments? Possible epiclastic lapilli-ash tuff; graphitic very minor component								67°	
96.2	96.8	S	S	FYXB	dark grey weakly banded texture (reflecting thin bedding laminae) more typical of FYXB than the laminite. Argillaceous laminae interbedded with epiclastic lapilli-ash to ash tuff.								60°	
96.8	99.7	S	G	FYXF	as above, homogeneous unit with 10-25% lapilli, subrounded fragments as in previous interval.		tr-1						
99.7	100.9	G	S	FXXB	light green grey, banded (S_2) quartz-sericite-chlorite ± K-carbonate schist		tr-2						
100.9	101.2	S	S	FYXB	thin banded (S_2 transposition of S_1/S_0) mixed quartz-sericite-chlorite schist and dark grey chloritic argillaceous rocks. Medium-dark grey interval.	tr	tr						
101.2	113.5	S	S	FZXG	light-medium grey green, massive homogeneous quartz-sericite schist with weak sericitic/chloritic alteration overprint giving light greenish colouration (Ab/wl!) Banding defined by S_2 fabric. quartz veins at 104.4-104.6, 106.2-106.9, 107.1-107.3 Narrow fracture/vein pyrite-silica bands/contacts also present throughout. Unit becomes more granular due to massive nature??	tr	tr-1						68°	

Hole # 95-148	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 4 of 6
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters		Contact		Geores	Cominco KUDZ ZE KAYAH DRILL RECORD	Sulphides %					Dip		
From	To	T	B	Code		Py	Po	Cp	Ga	Sp	S1	S2	S3
113.5	113.6	S	S	SA	dark grey to black, siliceous mudstone becoming more dyke-like downhole.	tr	2-5						
113.6	114.0	S	G	FYXB	interbedded/banded FX and dark grey chlorite intermingling; as above.	tr-2	1-3					45°	
114.0	116.5	G	G	ATW	laminated to thinly bedded/banded FY? Unit is sericite-chlorite altered. S0/S1 preserved, strong S2 foliation is prominent. Medium to dark green grey coloured intervals. Siliceous rounded quartz veins present		tr-1						
116.5	123.7	G	G	ATM	increasing sericite + green chlorite (biotite) development in mm patches and irregular bands. Recessive calcareous appearance more prevalent. FYXB unit cannot extend from 114.0 to N 116.0; 116.0 - 123.7 appears to be an FXXB unit with an ATM overprint. Numerous quartz + calcareous - biotite - chlorite + py + cpy veins i.e. 116.7 - 117.4, 117.9 - 118.3, 119.0 - 119.2, 122.9 - 123.1, 123.2 - 123.4.							67°	
123.7	127.1	G	S	ATW	medium grey strongly sericitic (grey mica) + chloritic altered felsic tuff. Dark banded mm grey mudstone textured.								
127.1	128.2	S	S	FLT	FWR recovery; intensely gouged zone in ATW								
128.2	131.4	S	S	ATW	FXXB with ATW overprint; as above.								
131.4	133.3	S	S	QZVN									
133.3	137.6	S	G	ATM	ATW+ grey sericite with dark green chlorite (biotite) intensely pervasive within - Recessive outcrop trait							53°	
137.6	148.9	G	S	ATS	pervasive, dark green chlorite/biotite alteration with locally weak Recessive Replacement development. grain size ranges vary at 139.0 quartz veins at 140.6 - 141.0, 141.2 - 141.3 intervals banded (layers to 1.5cm thick intervals of fine-grained, massive homogeneous mafic tuff + flows (chlorite altered). i.e. 144.3 - 145.9.	tr	tr-2	tr				72°	
148.9	149.7	S	S	FXXR	Medium grey, siliceous, banded FX to moderate AT overprint								
149.7	151.0	S	S	ATS	as above.		tr-1					75°	
151.0	151.1	S	S	FXXR	as above.								
151.1	151.5	S	S	FLT	fault gouge and crushed OR sulphides.	40		tr	tr	2-5			
151.5	151.7	S	S	OB	Heavy crushed zones within OR	100		tr-1	tr-2	5-10			

Hole # 95-148	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 5 of 6
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
151.7	152.2	S	S	FZXR	light, medium green grey, well banded ∥ S_2 quartz-sericite schist with weak-moderate sericite ± chlorite overprint.	tr-3							
152.2	152.8	S	S	OR	good typical, high sulphide OR lower contact is thin gouge zone; 1-3 cm's.	65	tr	1-2	2-3	10-15		71°	
152.8	154.8	S	S	FWXR	as above. FZXR unit but much less siliceous and abundant quartz-calcite bands (veins??)								
154.8	159.8	S	S	MOX2	chlorite-calcite-biotite schist with weakly developed Fe carbonate — unit has typical MUX2 texture; however, contains significant biotite							84°	
159.8	160.0	S	S	MWX2	light green sericite-chlorite-calcite schist with weak ≤1m Fe carbonate porphyroblasts scattered throughout. Not quite a MZV2 unit although likely an equivalent.	tr							
160.0	166.4	S	G	FF	very fine-grained, dense, siliceous rhyolite flow/sill light grey - light green grey poorly developed foliation! 160.0-160.4 brecciated FF flow top or flow bottom breccia 160.4-166.4 more massive but brecciated with yellowy green sericite ± calcite along the fractures and occasional strong fine-grained sp-py-quartz-calcite veins.	tr-5						80°	
166.4	167.6	G	S	MUXF	siliceous medium-dark green chlorite-calcite-silica schist with abundant diffuse mottles, light grey, silica blebs (possibly rhyolitic fragments?? ≤3mm). Chloritized fabric lapilli tuff? Not a mafic unit!! Several fine-grained sp-py-quartz-calcite veins present.	tr-5	tr.					82°	
167.6	189.1	S	S	FF	as above. light-dark grey aphanitic rhyolite flow/sill; locally quartz porphyritic (≤1.5m euhedral clear grey few%) and generally contains 5-15% silica blebs ≤1mm-15mm subrounded (amygdaloids??). Unit is locally well fractured and cut by numerous sp-py-silica-calcite veins and very thin clear silica veins. Base 20-30cm is perhaps brecciated and mixed with underlying tuff. No spherulites found.	tr-3			tr	tr-2			
189.1	193.4	S	S	FZXR	light-medium green grey quartz-sericite thinly ribbonded schist with locally weak chlorite and occasional quartz-calcite bands (veins?) Siliceous bands (flattened Δ's) appear possibly FF in appearance. (FtL or banded FFta)	tr						63°	
193.4	195.4	S	S	MO	well banded chlorite-calcite ± minor biotite schist with abundant quartz-calcite veins and blebby disseminations and discontinuous bands. Strong S_2 fabric. Basal 10cm possibly MOX2.							77°	
195.4	195.5	S	S	FXXG	massive fine-grained quartz-sericite-chlorite schist with occasional lapilli sized siliceous "fragments". Possible fine crystal rich ash tuff with min lapilli. Only ATM-ATW alteration cut best (chlorite-sericite).								

Hole # 95-148	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 6 of 6
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
195.5	195.7	S	S	OB	16 cm thick recrystallized fine grained brecciated pyrite (recycled recrystallized from breccia py ???) in very fine grained matrix of Py & matrix Sp is main component. Sp, also very fine-grained.	70	5	tr		1-5			
195.7	196.2	S	S	ATS	dark green chlorite (biotite?) with fine-grained Fe-carbonate + quartz containing disseminated cpy - py - po. typical ATS.	2-3	2-5	tr-2					
196.2	196.7	S	S	ATM	Medium-dark green grey chlorite + sericite altered FXXG; as above and below.								
196.7	199.9	S	G	FXXG	as above with weaker sericite + Fe-carbonate alteration 1968 - 199.5 very broken intervals; fractured; lost core and gouge at 1969 - 197.4??, 198.9?? - 199.2 ??								
199.9	206.9	G	S	SV	Mottled chlorite - sericite - quartz ± calcite - biotite - Fe-carbonate schist. Medium - dark green grey-brown cut by weakly developed spaced cleavage (S_2) defined by sericite - quartz ± Fe-carbonate material is stained to reddish brown appearance. Fe-carbonate is generally fine-grained remains with no apparent structure (Skarn-marble - sintut!?) 201.8 - 201.9 fault gouge.							69° 32° pervasive / 69° 32° fracture	
206.9	208.6	S	G	FXXG	light creamy grey, fine grained crystal-rich tuff; Fe-carbonate altered locally appears to contain LVK quartz eye feldspar crystal fragments. Occasional chlorite - quartz + calcite - sericite wispy fragment or discontinuous banding is present.								
208.6	210.0 EOH	G		SV	similar to above SV; however intensity of chlorite dominating this interval is more biotitic with very minor chloritic component is similar but contains biotite - sericite - quartz ± chlorite - calcite. Sericite - quartz ± Fe-carbonate "mass cutting" & cleavages produce locally shimmering texture. Sparse minor quartz - Fe-carbonate veins with minor biotite - sericite - tourmaline ??								

Hole # 95-149	Log By: LAFH	Easting: 414749.3	Commenced	22 / 5 / 95	Recovery	Length 206.0m	Core Size NQ	Card No 1 of 5
Stick up: 0.3	Collar Elevation : 1413'	Northing: 6815683.9	Completed	23 / 5 / 95	Collar Dip -55	Azimuth 180	Assays?	Coded? Georeg?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georeg Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	4.3			OVB	overburden - no recovery								
4.3	4.4			OVB	polymictic pebbles/cobbles								
4.4	4.9		S	FXB	thinly banded sericite-quartz-iron carbonate schist (+chlorite)								
4.9	7.0	S	G	MF	fine grained banded sericite-carbonate-chlorite phyllite (+biotite+quartz) probable mafic (intermediate) flow or dike/sill; dark brown porphyroblastic biotite flecks; limited sulphides		tr					75	
												80	
7.0	7.5	G	S	FXB	as @ 4.4-4.9		tr						
7.5	7.2	S	S	MF	banded biotite-calcite-chlorite schist (+sericite-quartz; foliated quartz-calcite bands, stretched calcite 'phenocrysts' (?) and. subtle biotite porphyroblasts; "stylolitic" cleavage - non-penetrative highly oblique to banding		tr				70	80	
10.2	10.4	S	S	QZVN	segmented fine quartz vein								
10.4	15.2	S	S	MFXB	as @ 4.9-7.0; cyclical variations in composition, local interbedded FXTR-type lithology, locally folded banding; limited blebby pyrrhotite		tr					80	
15.2	16.9	S	S	FXXF (FTL)	'fragmental' felsic volcanic rock with irregular silica forms in sericite-carbonate (+chlorite) matrix; also see lapilli-sized possible volcanic fragments;								
16.9	18.6	S	S	MFXB	as @ 10.4-15.2; with 'stylolites' which have similar orientation to nearby S_3-type crenulation cleavages						70	80	-5
18.6	19.2	S	G	FXXB	ribboned (locally folded asymmetrically) sericite-quartz-iron carbonate (+chlorite) schist		tr				80		55
19.2	20.4	G	G	SK	foliated to mottled quartz-chlorite-sericite-iron carbonate schist (+biotite) - looks like a pelitic influx into some felsic volcanic (FX-FT?) rock; typical mottled texture has been strongly cut into irregular wispy foliations						80		

HOLE # 95-149

SUMMARY LOG: 4.4 m of overburden drilled before Fx-type felsite was intersected; Fx rocks interbedded with mafic flows (dykes?) and tuffs and SK lithologies dominate the hanging wall; over 14m of ore envelope alteration was drilled before ore was intersected @ 174.2m; ore continues to 187.7m except over the interval 182.6-185.7m where altered rocks are present; altered rocks followed by mafic with limited interbeds of felsic rocks encompass the footwall rocks drilled

DRILLING SUMMARY: 39.6 – 41.5 ~0.2m loss; 62.8 ~0.2m loss; 148.1-151.2 ~0.2m loss; 154.2 → 157.3 ~0.3m loss; 184.7 → 184.7 ~0.2m loss; 184.7 - 87.8 ~0.2m loss; 190.8 → 193.9 ~ 0.8m

Downhole Surveys

Meterage	Dip	Azimuth
Collar	55	180
17.1	57	171
44.5	59	171
75.0	60	171
105.5	61	173
135.9	61.5	178
166.4	61.5	~~186~~
196.9	61.5	171.5

Georges Codes From	To	Code
0	4.4	OVB
4.4	4.9	FxxB
4.9	7.0	MF
7.0	7.5	FxxB
7.5	10.2	MF
10.2	10.4	QZVN
10.4	16.2	MFxB
16.2	16.9	FxxF
16.9	18.6	MFxB
18.6	19.2	FxxR
19.2	20.4	SK
20.4	27.5	FTL
27.5	28.6	SK
28.6	31.7	FTL
31.7	37.7	MTxB
37.7	66.4	FxxF
66.4	69.2	SK
69.2	70.4	FxxF
70.4	72.4	SK
72.4	73.6	MD
73.6	74.3	FxxB
74.3	102.9	FxxF
102.9	107.1	SK
107.1	110.2	FxxR
110.2	111.1	QZVN

Georges Codes From	To	Code
111.1	114.4	SK
114.4	124.3	FxxE
124.3	127.3	FxxG
127.3	127.7	SX
127.7	138.4	FxxF
138.4	141.7	FxxD
141.7	143.5	FxxG
141.9	142.3	FLT
143.5	144.6	FV
144.6	145.8	FxxG
145.8	147.0	FV
148.0	151.9	FZxR
151.9	153.4	QZVN
153.4	161.5	FV
161.5	163.4	ATW
163.4	164.1	QZVN
164.1	169.3	ATM
169.3	174.2	ATSP
174.2	176.3	OB
176.3	176.7	OC
176.7	177.0	OT
177.0	180.3	OC
180.3	180.9	OA
180.9	182.6	OC
182.6	185.9	ATBP

Reactivity with HCl From	To	Code
4.3	7.5	M
7.5	10.2	S
10.2	18.6	M
18.6	27.5	W
27.5	32.3	M
32.3	62.7	W
62.7	72.4	M
72.4	72.7	S
72.7	74.3	M
74.3	93.7	W
93.7	100.4	M
100.4	100.5	W
100.5	111.1	M
111.1	116.1	W
116.1	127.3	M
127.3	127.7	W
127.7	164.0	M
164.0	165.3	W
165.3	169.2	S
169.2	179.9	W
179.9	180.2	M
180.2	187.7	W
187.7	189.3	M

Assays Job # 0256R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
171.0	172.7	R9509864	1.5	2.82	0.03	0.28	86.2	76.7	1223	1978
172.7	174.2	R9509865	1.5	4.96	0.13	0.58	E161.5	149.3	1500	2409
174.2	175.8	R9509866	1.5	0.20	4.55	12.01	E178.5	163.2	764	0.933
175.8	177.3	R9509867	1.5	1.68	4.79	11.66	E221.5	198.2	1052	1.695
177.3	178.8	R9509868	1.5	0.17	4.95	13.01	E159.5	143.6	596	0.731
178.8	180.3	R9509869	1.5	0.88	1.76	11.49	E130	120.0	1184	1.429
180.3	181.5	R9509870	1.2	1.51	1.03	5.24	E114	96.1	4020	1.848
181.5	182.6	R9509871	1.1	1.04	1.87	7.31	E286	262.9	1680	2.020
182.6	184.3	R9509872	1.5	0.38	0.31	1.86	26.6	22.9	116	0.227
184.3	185.9	R9509873	1.5	0.44	0.21	1.47	28.7	24.3	340	0.334
185.9	186.9	R9509874	1.0	0.18	0.82	5.20	69.1	63.2	604	0.815
193.0	194.5	R9509875	1.5	0.26	0.75	6.01	77.2	68.2	500	0.772

See 3rd Pg.

Hole # 85-149	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 2 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
20.4	27.5	G	G	FTL	fragmental textured calcite – quartz-sericite-iron carbonate schist (+chlorite) interbedded with numerous small mafic tuffy/flows (as @ 49-70m); chlorite abundance is locally variable.		tr						
27.5	28.6	G	G	SK	as @ 19.2-20.4m but mottling texture is better preserved here; old fractures healed with quartz + carbonate ± biotite								
28.6	31.7	G	S	FTL	as @ 20.4-27.5m with F2 type crenulation; locally appears to have been subjected to chlorite + silica alteration; limited disseminated pyrite	tr					65	80	-55
31.7	37.7	S	S	MTXB	banded quartz+iron carbonate-chlorite+sericite+biotite; overall medium greenish-grey; banding folded + overprinted with 'stylolites' + crenulations (F_2-S_3?); earlier asymmetrical foliation (F_2?-F_3?) has no associated axial planar cleavage in this core (S_2 is ? axial planar), overprinted with chlorite-rimmed albite porphyroblasts							85	-55
37.7	66.4	S	G	FXYF (FXYE)	irregular silica (+iron carbonate) [illegible] in sericite-iron carbonate-chlorite matrix; silica forms extremely densely packed-nested; locally folded-symmetrical; locally abundant biotite porphyroblasts (up to 15%); interbedded with MF (MD?) @ 46.8-47.1m; locally ribboned texture remains in taint (ie 52.7-52.0m); local influxes of chlorite (approaches SK); isolated chalcopyrite bands		tr	1				80	
66.4	69.2	G	G	SK	as @ 27.5-28.4m (no healed fractures); band of pyrrhotite in grey silica		1					85	
69.2	70.4	G	G	FXYF	as @ 37.7-66.4 without SK + MF input; no sulphides observed						80	85	
70.4	72.4	G	S	SK	as @ 66.4-69.2m								
72.4	73.6	S	S	MD	atypical mafic dyke with sericite-chlorite hosting calcite "phenocrysts" (stretched) and carbonate-chlorite porphyroblasts rimmed by biotite							60	
73.6	74.3	S	G	FXYS	'fragmental' sericite-iron carbonate-quartz schist (+chlorite); disseminated pyrite	1						80	
74.3	102.9	G	G	FXYF	as @ 69.2-70.4, with small (3-5cm) pyrrhotite + pyrite + quartz bands; disseminated, wispy pyrrhotite; cut by pegmatitic quartz veins (12cm)	1	5				30	80	

HOLE # 95-149

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes		
From	To	Code
185.9	187.7	013
187.7	190.0	AYM
190.0	193.0	ATM
193.0	196.5	ATSP
196.5	197.4	ATW
197.4	200.3	MUX2
200.3	201.6	FW
201.6	206.0	MDX4

Geores Codes		
From	To	Code

Reactivity with HCl		
From	To	Code
189.3	196.8	W
196.8	206.0	S
EOH		

Assays Job #										
From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T

Hole # 95-149	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 3 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georeс?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georeс Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
102.9	107.1	G	G	SK	as @ 19.2-20.4 with small elongate pyrrhotite blebs		2				20	85	
107.1	110.2	G	S	FxxR	ribboned quartz-sericite-iron carbonate (+chlorite+pyrite); thin band (1cm) of coarse anhedral pyrite + quartz; pyrite, pyrrhotite + chalcopyrite (?) in wispy foliations	3	1	tr				70	
110.2	111.1	S	S	QZVN	pegmatitic quartz vein with common small entrained host rock fragments coarse pyrrhotite in irregular blobs		3						
111.1	114.4	S	G	SK	as @ 102.9-107.1 m, with irregular wispy foliations rich in pyrrhotite + grey silica; cut by small quartz vein; interbedded with limited Fx-type		4						
114.4	124.3	G	G	FxxF	as @ 37.7 - 66.4m (no mafic interbeds/dykes); silica forms become progressively less abundant down unit - pyrrhotite-grey silica forms give this unit the 'fragmental' texture @ unit's bottom (pyrrhotite becomes more abundant down unit		8				25	70	
124.3	127.3	G	S	FxyG	granular, foliated, sericite-quartz-iron carbonate schist (+chlorite+pyrite) Pyrite (+grey silica) rich bands + disseminated pyrite, small pyrrhotite blebs.	3	1					75°	
127.3	127.7	S	S	SX	sericite-calcite-biotite-quartz schist (+chlorite) somewhat atypical SX - not as much biotite; rounded calcite quartz blobs of varied size; elongate small pyrite blebs in S-plane are common	6						85°	
127.7	138.4	S	G	FxxF	as @ 37.7-66.4m (no mafic interbeds/dykes); varied character - locally granular (foliated); broken ribboning at very fine scale; some pyrrhotite-rich bands	1	4				40°	80	
138.4	141.7	G	G	FxxP	sericite-quartz-iron carbonate-pyrite schist (+chlorite); pyrite is schistose + in bands with grey silica ⇒ abundance varies; cut by quartz veins; band of pyrite poor schist with quite yellow sericite (@ 139.7-139.8m)	15					20	80	
141.7	143.5	G	G	FxyG	as @ 124.3-127.3 cut by quartz veins + gouge zones (small); local yellow sericite	tr	1					85	
141.9	142.3			FLT	limited gouge with fragmented core								

Hole # 95-149	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 4 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	Dip S3
143.5	144.6	G	G	FY	weakly banded charcoal/light green grey quartz-iron carbonate-black (graphitic) chlorite; locally folded (asymmetrical); cut by quartz vein disseminated pyrrhotite ± blebs		4					35°	
144.6	145.8	G	G	FXXG	as @ 124.3-127.3m; limited sulphides	tr	1						
145.8	148.0	G	S	FY	as @ 143.5-144.6m; local very finely laminated; local symmetrical folds ends in small gouge zone?		3				10°	80°	
148.0	151.9	S	S	FZXR	folded ribboned quartz-sericite-iron carbonate schist; sericite is greenish-yellow; blebs to layers of pyrrhotite + grey silica; cut by small quartz veins; at bottom of unit, limited influx of black (graphitic) chlorite		5					85°	
151.9	153.4	S	S	QZVN	pegmatitic quartz vein with entrained host rock (most concentrated at top + bottom of unit)								
153.4	161.5	S	G	FY	as @ 145.8-148.0m cut by pegmatitic quartz veins; progressively more black (graphitic) chlorite down unit; silica + host rock breccia vein cuts bottom of unit; relatively limited disseminated pyrite + pyrrhotite throughout, local pyrite rich foliations, cut by small gouge (green biotite?)	2	tr				35°	75°	
161.5	163.9	G	S	ATM (FZ)	weak to moderate typical chlorite + ankerite ore envelope alteration of FZ type rock some pyrite + pyrrhotite associated with chlorite; small gouge zone subparallel to core axis; fracture healed with yellow carbonate	1	tr					80°	
163.4	164.1	S	S	QZVN	pegmatitic quartz with limited entrained host rock								
164.1	169.3	S	S	ATM	moderate carbonate, sericite + some chlorite ore envelope alteration, well banded + folded, bands largely defined by gray silica + sulphides (pyrrhotite + pyrite + chalcopyrite); overprints FX or FY(??)	5	12	2			15	85°	
169.3	174.2	S	S	ATSP	strong typical green biotite (chlorite?), ankerite, ore envelope alteration with extensive sulphide (esp. chalcopyrite) mineralization which gets more intense down the unit, black tetragonal (soft) porphyroblasts (DR says tetrahedrite, PAM says chlorite) and albite	3	8	15					

Hole # 95-149	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 5 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georeg?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georeg Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
174.2	176.3	S	G	OB	banded sulphides (largely pyrite-sphalerite) with ~30% carbonate + barite	45			10	20		75	
176.3	176.7	G	G	OC	net-like chalcopyrite with sphalerite banding overprinting ; porphyroblastic albite + chlorite (green biotite?) gangue ~10%	20	15	35		20			
176.7	177.0	G	G	OJ	net-like sulphides + gangue (silica + carbonate ± barite)	35		15		15			
177.0	180.2	G	S	OB	as @ 174.2-176.3 m	40			10	20		80	
180.2	180.4	S	G	OA	massive sulphides laminated with magnetite ~15% carbonate-silica gangue	45	5	15				90	
180.4	182.6	G	S	OB	as @ 174.2-176.3 becomes gunite gangue-rich in places (up to 50%!)	50			2	15			
182.6	185.9	S	S	ATBP	strong grey mica + ankerite ore envelope alteration with extensive sulphide mineralization (banding)	25				5		70°	
						60	tr	tr	5	15		85°	
185.9	187.7	S	S	OB	as @ 174.2-176.3								
187.7	190.0	S	S	AYM	moderate sericitic ore envelope alteration overprinting probable FZ/FY(?); sericite-yellowy-green (not canary yellow); some euhedral banding parallel pyrite mineralization	3					70°	80°	
190.0	193.0	S	G	ATM	moderate typical albite-ankerite-sericite (±chlorite) ore envelope alteration; with local banding parallel pyrite, sphalerite + galena mineralization; cut by quartz and plag-quartz veins	4			1	1		85°	
193.0	196.5	G	S	ATSP	as @ 169.3-174.2 without euhedral porphyroblasts; sulphides become more limited down unit	3	5	20					
196.5	197.4	S	S	ATW	weak ore envelope (calcite + sericite) alteration overprinting banded/ribboned calcite, limited sulphides.	tr						70°	
197.4	200.3	S	S	MUX2 MUX4	chlorite calcite schist with stretched calcite chambs to bands of calcite, with locally abundant biotite porphyroblasts, no sulphides observed								
200.3	201.6	S	S	FW	quartz-sericite schist with calcite bands, with layers rich in biotite	1						70°	
201.6	206.0 EOH			MOX4	banded chlorite-calcite with abundant biotite porphyroblasts elongate within S main; no sulphides observed						80	85°	

Hole # 95-150	Log By: PAM	Easting: 414749.3	Commenced	23 5 95	Recovery	Length 178.9	Core Size NQ	Card No. 1 of 5
Stick up: 0.3	Collar Elevation :	Northing: 6815685.1	Completed	24 5 95	Collar Dip -90°	Azimuth 0°	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0.0	4.3			OUB									
4.3	5.9		S	SW	Medium grey, sericite-chlorite-quartz ± biotite schist, weakly banded fine-grained massive, homogeneous. Weak banding defined by light grey quartz ± calcite-Fe carbonate bands only locally developed. SW vs MY? Either a Mafic tuff or epiclastic volcaniclastic sediment?? Rare quartz ± carbonate veins with tr-1% cpy. disseminations. Biotite porphyroblasts ≤1.5mm become more apparent over basal 30cms.								
5.9	9.3	S	G	MT	Medium brown grey, v. fine grained chlorite-biotite-calcite ± quartz schists. Well developed banding due to slight compositional variations (i.e. proportion of biotite vs chlorite — S_0/S_1??) and the presence of numerous quartz-calcite ± biotite-chlorite veinlets ~ ∥ S_2 fabric. Very fine-grained nature and weakly developed banding (compositional banding) is suggestive of a mafic tuff unit?							86°	
9.3	10.2	G	G	FTC	Medium green grey quartz-chlorite ± biotite schist with good fragmental textures defined by 30-50%, 1-4mm subrounded light grey silica/quartz (quartz crystals? or siliceous felsic fragments??) disseminated throughout but becoming more abundant and larger towards intervals base. Weakly abundant discontinuous quartz ± calcite bands are present. Intermediate-felsic crystal-rich ash tuff? Dacitic?? not felsic!	tr-2							
10.2	12.5	G	S	FT	Medium green grey fine-grained quartz-chlorite-sericite-biotite ± Fe carbonate schist. Massive homogeneous schist with strong S_2 fabric. Interval contains grey silica blebby disseminations (fragments?? crystals??) up to 20% similar to above unit; 3-5% ≤ 2mm biotite porphyroblasts and tr-5% silica-Fe carbonate 1-5mm fragments?? Possible dacitic tuff??								
12.5	12.7	S	S	SY	fine-grained medium brown grey biotite-chlorite-sericite-calcite schist, massive homogeneous; no real internal fabric other than S_2. Sedimentary units?? Fe carbonate altered.								
12.7	12.9	S	S	FT	as above; slightly more siliceous.								
12.9	13.1	S	S	SY	as above.								
13.1	14.3	S	S	FT	as above; 13.9-14.0 thin MD with chilled biotitic margins and v. fine grained chlorite-calcite-quartz interior								
14.3	15.3	S	S	MD	fine to very fine-grained chlorite-calcite-quartz ± biotite schist with 3-5% biotite porphyroblasts. Similar to 13.9-14.0 interval. Contacts are not clear!							84°	
15.3	19.0	S	S	FT	Medium brown grey siliceous, fine-grained quartz-biotite-chlorite ± sericite schist with numerous chlorite filled pygmoidal tension gashes. No good texture developed - no apparent banding etc. ∴ relatively massive homogeneous silica intermediate-felsic tuff (possibly some epiclastic component.	tr	tr-1						

HOLE # 95-150

SUMMARY LOG: 0.0 - 4.3 overburden; 4.3 - 145.7 thick sequences of fine ash tuff, lapilli ash tuff and crystal-rich ash tuffs (FT, FX) with minor mafic dike/dykes and tuffs near the top of the hole and one interval of mixed tuff and argillaceous sediments (FY).; 145.7 - 146.3 fault; 146.3 - 155.3 mostly massive aphyric rhyolite with good grade from 153.5 - 155.3 (153.9 - 154.4 fault); 155.3 - 156.9 predominantly locally disseminated sulphides in strongly altered rocks; 156.9 - 162.3 strong to moderate chloritic (biotite) ± sericitic alteration.; 162.3 - 178.9 FGM fine grained felsic tuffs interlain by typical mafic units (MUX2, MOX2)

DRILLING SUMMARY: 130.1 - 133.2 3.1m 2.9m recovered; 133.2 - 135.0 1.8m 1.5m recovered; 135.0 - 136.2 1.2m 0.7m recovered, 136.2 - 139.3 3.1m 2.7m recovered 151.5 - 154.5 3.0m 2.6m recovered. 151.7 - 154.5 broken intervals; minor brecciation

Downhole Surveys

Meterage	Dip	Azimuth
Collar	90	0
11.3	86.5	247
41.8	87	199
72.2	87	198
102.7	85.5	202
133.2	82.5	191
163.7	82.5	196

Geores Codes From	To	Code
0.0	4.3	OVB
4.3	5.9	SW
5.9	9.3	MT
9.3	10.2	FTL
10.2	12.5	FT
12.5	12.7	SY
12.7	12.9	FT
12.9	13.1	SY
13.1	14.3	FT
14.3	15.3	MD
15.3	19.0	FT
19.0	19.1	MD
19.1	25.7	FTL
25.7	26.3	MT
26.3	32.4	FTL
32.4	35.0	MT
35.0	35.1	FXXR
35.1	35.5	MT
35.5	36.7	FTL
36.7	39.5	MF
39.5	50.3	FXXR
50.3	55.2	FXXF
55.2	56.2	MD
56.2	62.5	FXXF
62.5	62.8	SW

Geores Codes From	To	Code
62.8	70.6	FXXF
70.6	75.0	SK
75.0	76.6	MT
76.6	84.5	FXXF
84.5	86.0	MT
86.0	132.7	FXXF
132.7	133.1	FLT
133.1	135.4	FXXF
135.4	135.7	FLT
135.7	138.0	FYXB
138.0	142.2	FXXG
142.2	145.7	FXXG
145.7	146.3	FLT
146.3	146.7	QH
146.7	149.4	QA
149.4	153.5	QHA
153.5	155.3	QR
153.9	154.4	FLT
155.3	155.8	QT
155.8	156.2	QA
156.2	156.9	QT
156.9	159.3	ATS
159.3	159.8	ATM
159.8	162.3	ATSG
162.3	167.4	FXXG

Reactivity with HCl From	To	Code
4.3	5.9	N
5.9	9.3	M
9.3	12.5	N
12.5	12.7	W
12.7	14.3	N
14.3	15.3	M
15.3	25.7	N
25.7	26.3	M
26.3	32.4	N
32.4	35.5	W
35.5	55.2	N
55.2	56.2	S
56.2	70.6	N
70.6	75.0	W
75.0	84.5	N
84.5	86.0	M
86.0	167.5	N
167.5	168.1	W
168.1	178.9	M

Assays Job # 02560R

From	To	Sample No	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
144.8	146.3	R9509878	1.5				2.5		<10	
146.3	147.8	R9509879	1.5	0.69	0.24	2.02	48.3	40.6	280	0.492
147.6	149.3	R9509880	1.5	0.60	1.74	6.34	51.7	45.5	400	0.482
149.3	150.8	R9509881	1.5	0.66	0.66	1.17	53.5	46.0	560	0.737
150.8	152.3	R9509882	1.5	0.32	0.23	1.54	43.8	41.7	280	0.495
152.3	153.8	R9509883	1.5	0.25	0.41	2.14	47.4	44.1	272	0.446
153.8	155.3	R9509884	1.5	0.17	1.84	9.23	64.5	61.8	444	0.764
155.3	156.9	R9509885	1.6	1.24	0.43	5.40	43	39.1	232	0.325
156.9	158.4	R9509886	1.5	0.53	0.04	0.64	18.3	15.0	100	0.295
158.4	159.9	R9509887	1.5	0.90	0.03	0.16	25.3	21.8	200	0.397

Hole # 95-150	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 2 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
19.0	19.1	S	S	MD	very fine-grained chloritic-calcic dyke with sharp contacts.								
19.1	25.7	S	S	FTL	Medium green-brown grey, fragmental textured (locally weakly banded → disrupted by S_2 cleavage) quartz-sericite-chlorite ± biotite schist containing 10-50% light grey, quartz/silica ± calcite-ferrocarbonate blebs <2-15mm (generally subrounded, elongate/flattened) and locally abundant dark chloritic ± quartz-calcite fragments with diffuse outlines. Unit is locally biotitic, locally contains trace disseminated arsenopyrite. General impression is that of FTL, possibly clastic. (19.1 - 22.0 SK like)	tr	tr-1					71°	
25.7	26.3	S	S	MT	Medium green fine-grained chlorite-calcite ± biotite schist (locally weakly banded/bedded) with abundant quartz-calcite veins/bands.								
26.3	32.4	S	S	FTL	as above; locally has a good FXXR/FXXR texture suggestive of a well sorted original tuff. Unit becomes slightly more chloritic over lowermost 1.0m. Good sharp contact with MT.							74°	23°
32.4	35.0	S	S	MT	well banded/bedded medium green chlorite-ferrocarbonate-calcite fine-grained phyllitic schist. Banding defined by the distribution of ferrocarbonate rich (+ altered feldspars?) bands from <1mm to 15mm in dia. and tr to 50% in bands but mostly 1 to 5%. Minor pyrite and tr-1% po as stringy disseminations are locally present.		tr-1					69°	
35.0	35.1	S	S	FXXR	light grey siliceous (FXXR) quartz-sericite ± chlorite-ferrocarbonate schist. Very siliceous rock locally, with subrounded silica blebs possibly reflecting crystals or fragments ??; likely FTC or FTA								
35.1	35.5	S	S	MT	as above		tr						
35.5	36.7	S	S	FTL (FXXF)	similar to above FXXR; however silica blebs appear more fragmental in appearance and locally approach or exceed 1cm (not bleb-like at all!) Matrix is quartz-chlorite-sericite ± ferrocarbonate very fine grained; S_2 fabric dominates. FXXR characterized by, termed FTA. Chloritic ± silica-calcite dark green columnar fragments are also present locally (SK like)							70°	
36.7	39.5	S	S	MF	MF or MD? Most massive, very fine grained, homogeneous unit consisting of chlorite-ferrocarb (+calcite) - minor biotite. Locally fine-medium grained interspersed chlorite-ferrocarb (→ ferrocarbonate locally) Bimodal, fluid associated. 38.7 - 38.9 dense contact cut fragmented (upper contact as well) — MD??		tr-1						
39.5	50.3	S	S	FXXR	light green grey quartz-sericite ± chlorite schists with weak banding, light grey silica on light-medium green sericite-chlorite-silica bands, S_2-S_3?? recrystallization disrupts the banding. Trace-3% py occurs as disseminations. Unit appears to become more massive grained (banding gradationally disappears) after 3.0m		1-3						
50.3	55.2	S	S	FXXF	Brecciated quartz-sericite-chlorite schists with locally pervasive carbonate alteration. Pale brown/buff matrix & rock readily apparent - possibly lapilli tuff?! Tan colouration locally destroyed where carbonate extensive - gives a "fizz". Generally very siliceous like previous FXXR but strongly brecciated. 52.1 main fault + fabric 20°/E.								

HOLE #

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
167.4	167.5	FLT																	
167.5	168.1	FWXR																	
168.1	170.7	MWX2																	
170.7	177.5	MOX2																	
177.5	177.6	FW																	
177.6	178.7	MO																	
178.7	178.9	FWXR																	

Hole # 95-150	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 3 of 5
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters From	Meters To	Contact T	Contact B	Geores Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
55.2	56.2	S	S	MO	Dark brown-grey chlorite-calcite-sericite unit with banding defined by sericite-calcite magnesian layers/veins and numerous large 2-8mm porphyroblasts chlorite-calcite altered and rounded, biotite? (or after) within the area with chlorite) up to 25%. MO? MN?		2-5						
56.2	62.5	S	S	FXXF	light-medium grey, quartz-sericite-chlorite schist with banded to good fragmental textures. Fragments predominantly rounding, light grey diffuse silicic blebby fragments; light creamy grey silica-ferroan carbonate fragments and dark grey sulphide-silica fragments? set in a very sericitic/chloritic, biotitic matrix. Fragments up to ~60% and 40mm's up to 5cms 59.9 thin crushed + gouge zone. 61.4 - 61.5 thin gouge zone - smoky fault		tr-2						
62.5	62.8	S	S	SW	light-medium grey very fine grained massive homogeneous sericite-chlorite-quartz ± calcite sediment or MT? Contains foliation/bedding but this is due to quartz-carbonate veins/bands not good bedding. Bedding marks parallel at upper contacts.	tr	tr-2						
62.8	70.6	S	S	FXXF	as above	tr	tr					69°	
70.6	75.0	S	S	SK	not as coarse/carbonate? likely = felsic-dacitic lapilli tuff with minor epiclastic/pelitic layer producing a weakly bedded chlorite-sericite-quartz matrix fragments & light/grey silicic ± carbonate predominate; dark chloritic vein fragments also abundant. Texture is similar to typical SK units logged elsewhere. Locally, upper/lower bedding/banding	tr	tr					76°	
75.0	76.0	S	S	MT	finely laminated + thin bedded very fine grained chlorite-sericite-ferroan carbonate schist. Light-medium grey green unit.								
76.0	84.5	S	S	FXXF	as above								
84.5	86.0	S	S	MT	chlorite-calcite ± ferroan carb, very fine grained, more massive unit than prior MT unit. Recumbent alteration and porphyroblasts present.							80°	
86.0	132.7	S	S	FXXF	as above, perhaps finer grained but with good fragmental textures. Massive homogeneous matrix with 10-50% light grey mottled silica ± non-ferroan carb fragments with diffuse fuzzy contacts. Fragments large from 2-10mms (lapilli). Coarse ash 0.5-2mm fragments are likely abundant also. Good lapilli-ash (crystal-rich) tuffs locally, fine grained lapilli-ash units suggest (worse thick bedding in units. Often contains dark wispy to more fragmented appearing chloritic fragments (SK like fragments) - generally not abundant. 112.0 coarser lapilli tuff unit grades into lapilli ash ~ 15.0 and finer ash by 116 x 117 suggest overturned grading/ reverse grading. 117 - 120.6 fine tuff with some SK like chloritic fragments. Not very good SK texture but could correlate to SK elsewhere 123.3 - 132.7 unit fines up to more light, slightly beige, grey, calcareous? Recumbent alteration, pervasive very fine grained		tr-2	tr-2				74°	20°	
												69°	

Hole # 95-150	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No 4 of 5
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S3
132.7	138.1	S	S	FLT	crushed + gouged FXXF							67°	
133.1	135.4	S	S	FZXF	light grey quartz-sericite schist with gouge (represented (lgsqsh-cah fault) Texturally and weak-moderate Recombined alteration; similar to FXXF but less chloritic content. Well broken intervals; core lost core during this gouge/broken zones.	tr-3	tr						
135.4	135.7	S	S	FLT	crushed + gouge zones 10 - 30 cm ?? in intervals of poor recovery; contacts at 55° to CA								
135.7	138.0	S	S	FYXB	gouge medium-dark grey interval comprising thin bedded lithic tuff (FX-FZ) with interlaminated dark grey to black chloritic (transgenic) argillaceous pelitic material. Original bedding has been strongly transposed parallel S2. Over basal 20cm dark grey chloritic changes to dark-light green colour reflecting hydrothermal chlorite ?? overprinting into FZ.	tr	tr					81°	
138.0	142.2	S	G	FZXG	light green grey quartzose quartz-sericite ± fragmental schist with occasional quartz eyeballs up to 5mm subrounded. Host rock is fine-grained quartzose becoming banded/ribboned (S_2) over bottom 20cms likely a fine crystal-rich ash tuff.	tr-1							
142.2	145.7	G	S	FXXG	light grey, quartzose quartz-sericite-chlorite (massive-weak grey green) schist with occasional quartz eyeball fragments (<2cm subrounded); very similar to above unit but darker perhaps reflecting intense of argillaceous pelitic sediment. This interval may correlate with FY on strike? This bedded nature to quartz eyeballs are upon 0.5a ± (generally strong S_2 transposition.	tr-2	tr					80°	
145.7	146.3	S	S	FLT	gouge crush + gouge zone in FXXG rocks, at approx. 28° to CA.								
146.3	146.7	S	S	OM	brecciated OM with fine-grained pyritic massive sulphides fragments (subangular to subrounded up to 3.5cm) in very fine grained pyritic matrix.	85	tr-5	tr-1					
146.7	149.4	S	G	OA	gouge OA texture; thinly pyritic matrix sulphides. Between 148.1-148.9 contains sheared dark brown-black bands 5-50 mm thick of fine grained with gouge material - py-sp-sph; gradational contact into OM.	75	5-10	1-2	tr-1	tr-5		71°	
149.4	153.5	G	G	OMA	massive textured very fine-grained pyritic vein tr-5% sphalerite/galena. 150.1-150.9 broken interval very weakly clay recombined - quartz veins with min sp and spy. 151.5-154.4 broken interval due to CA parallel fractures and weak brecciation of OM	80	tr-5	tr-1		tr-5			
153.5	155.3	G	S	OB	weak to well banded fine to recrystallized fine-grained py-sph-sp-spy gangue interbanded with bands (S_2) OA	40-75	tr	tr-1	tr-2	5-15		50°	
153.9	154.4			FLT	button in sharp at weak chlorite-sericite tr/10 at this point S_0/S_2 ∧ 11 CA						11CA	56°	
155.3	158.8	S	S	OJ	strongly chlorite-sericite altered fault with banded/brecciated with abundant py-sp ± magnetite bands <2mm - 15mm	20-30	tr	tr		2-5			

Hole # 95-150	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 5 of 5	
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded?	Geores?

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KUDZ ZE KAYAH DRILL RECORD

Meters		Contact		Geores		Sulphides %					Dip		
From	To	T	B	Code		Py	Po	Cp	Ga	Sp	S1	S2	S3
155.8	156.2	S	S	OA	typical OA	60	5	tr-1		5			
156.2	156.9	S	S	OT	heavy py-cpy ± po - replacing in ATS; ↑ attachment to sandstone	10-15	20-25	3-6					
156.9	159.3	S	S	ATS	strong dark green chlorite (biotite?) overprint with weak, heavy silicification and quartz-calcite veinlets	10	5-10	1-2					
159.3	159.8	S	S	ATM	ATM overprint FXXG? felsic coarser grained bed is relatively recrystallized altered but not within ATS alteration perhaps ATS dark green chlorite (biotite G) rock represents either pulverized or ethanol, fine ash tuffs which took up the altering fluids as opposed to more reactive felsic tuffs?	tr	tr						
159.8	162.3	S	S	ATSG	strong chlorite to sericite altn intervals of grey sericite are much more prevalent. Chlorite/biotite in strong ATS much less dolomite content in the intervals heavily recrystallized quartz-feldspar veins. Possibly ATMG!?	tr-3	tr-5	tr					
162.3	167.4	S	S	FXXG	light-medium green grey quartz-sericite-chlorite porphyritic granular fine-grained matrix with a ATM to ATMG chlorite alt'n overprint. Similar to 159.3-159.8 interval. Areas of ATM correlate with tr-3% Py ± Po-Cp. Thin ATS from 165.4-165.7 and 166.1-166.2 and 167.3-167.4.								
167.4	167.5	S	S	FLT	thin gouge + crackle zone in								
167.5	168.1	S	S	FWXB	quartz sericite ± chlorite schist with quartz-calcite bands and brecciated differentiation								
168.1	170.7	S	G	MVX2	typical MVX2 vein stockwork units.								
170.7	177.5	G	S	MOX2	typical mottled MOX2 with 2-10% biotite porphyroblasts								
177.5	177.6	S	S	FW	thin calcareous medium green grey								
177.6	178.7	S	S	MO	dark green ish vein as above without consistent porphyroblasts								
178.7	178.9 EOH	S		FWXB	as above but more banded (calcite + quartz) schist.								

Hole # 95-153	Log By: LAFH	Easting: 414900.4	Commenced	25 5 95	Recovery	Length 172.8	Core Size NQ	Card No 1 of 4
Stick up: 0.3	Collar Elevation : 1389	Northing: 6815639.6	Completed	25 5 95	Collar Dip 90°	Azimuth 0	Assays? ✓	Coded? ✓ Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	3.7			OVB	no recovery								
3.7	4.1			OVB	limited recovery of polymictic pebbles								
4.1	5.3		S	FTL	tuffaceous sericite quartz-iron carbonate schist (+chlorite) with lapilli-size fragments; moderate groundwater oxidization throughout						90	75°	
5.3	6.5	S	S	MT	Tuffaceous sericite-carbonate-chlorite quartz schist/phyllite; with fine folded quartz veins; strong Smain foliation (= $S_0=S_1=S_2$?), limited oxidization						90	80	
6.5	9.4	S	G	FTL	as @ 4.1-5.3 no groundwater oxidization; irregular blebs of pyrrhotite + patchy euhedral pyrite (course grained); thin MT interbeds	tr	tr				85	[illegible]	
9.4	2.0	G	S	FXXR	ribboned sericite-quartz-iron carbonate (+chlorite) schist, locally with lapilli; silica ribboning [illegible] dense; thin MT interbeds; pyrite in elongate patches with grey silica; locally over-printed by spaced crenulation / kink foliation locally (S_3 [illegible])	2						75	3[illegible]
12.0	15.0	S	S	MT	as @ 5.4-6.5 with elongate blebs + foliation with pyrrhotite and patchy euhedral recrystallized pyrite; strong penetrative Smain with faint over-printing stylolitic S_3 cleavage developed locally	2	3						40
15.0	21.8	S	S	FXXR	largely ribboned quartz-sericite-iron carbonated schist (+chlorite); cut by large quartz vein; banded with pyrite + grey silica-quite abundant, limited MT interbeds.	8							
21.8	22.6	S	S	MT	as @ 5.4-6.5m with small elongate pyrrhotite blebs lying in S_2; banding ($S_1=S_2$) is asymmetrically folded by F_2	tr	3				85	70	
22.6	23.7	S	G	FXXR	as @ 15.0-21.8m; local asymmetrical folds transected by spaced F_3-type crenulation / kink	4		tr			85		45
23.7	79.8	G	S	FXXF	as @ 9.4-12.0m but ribboning largely dismembered & 'fragmental' into irregular silica forms; pyrrhotite blebs become more abundant down unit; locally patchy chlorite (5K influx?) without marked texture interbanded; locally ribboning in tact + folded; abundance of pyrite-rich patches varies; small gouge zone @ 38.6m	4	5				85	75	40

HOLE # 95-153

SUMMARY LOG: 4.1 m of overburden drilled before felsic tuff (FTL) was intercepted; the hangingwall rock was predominantly felsic volcanic (FTL, FX followed by more limited FV then FZ types) interbedded with mafic tuffs; ore envelope alteration rocks were drilled from 131.0 to 153.2m; ore was intercepted from 153.2m to 165.2m with two short intervals of alteration rock @ 154.6-155.5 and 159.9-160.6m; footwall rocks include limited alteration rocks followed by mafic rocks.

DRILLING SUMMARY: 3.7-4.1 N 0.3m loss; 35.7-38.7 N 0.3m loss; 84.4-87.5 N 0.3m loss; 117.9-121.0 N 0.3m loss; 130.1-133.2 N 0.3m loss; 136.2 to 139.3 N 0.4m loss; 154.5-157.9 N 0.3m loss; 157.9-160.3 N 0.8m loss; 163.4-166.7 N 0.5m loss;

Downhole Surveys

Meterage	Dip	Azimuth
Collar	90	0
14.0	88	202
38.4	86	209
68.9	85	203
99.4	80.5	198
129.8	80	193
172.8	78.5	193

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job # 0263R											
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
0	4.1	OVB	136.2	137.7	ATSP	3.7	5.4	W-N	131.8	133.6	R9510227	1.5				4		<10	
4.1	5.3	FTL	137.7	142.4	ATS	5.4	6.5	M	133.6	135.2	R9510228	1.5	0.22	0.27	2.39	99	8.7	22	0.107
5.3	6.5	MT	142.4	143.0	ATSP	6.5	12.0	W-N	135.2	136.6	R9510229	1.5	0.65	1.21	3.54	36.1	31.2	116	0.275
6.5	9.4	FTL	143.0	146.9	ATW	12.0	15.0	M	136.6	137.7	R9510230	1.1	0.61	1.04	2.40	37.4	33.1	64	0.757
9.4	12.0	FxxR	146.9	149.8	ATS	15.0	21.8	W-N	137.7	139.6	R9510231	1.5				1		<10	
12.0	15.0	MT	149.8	153.2	ATW	21.8	22.6	M	151.7	153.2	R9510232	1.5				.5		<10	
15.0	21.8	FxxR	153.2	154.1	QC	22.6	158.3	W-N	153.2	154.6	R9510233	1.4	4.20	0.50	2.12	E 210	199.5	2320	2.798
21.8	22.6	MT	154.1	154.6	QB	158.3	158.5	M	154.6	155.5	R9510234	0.9	2.48	0.12	0.36	E 100	95.5	752	0.991
22.6	23.7	FxxR	154.6	155.5	ATSP	158.5	163.7	W-N	155.5	157.0	R9510235	1.5	9.43	0.31	1.02	E 397.5	346.9	3200	4.224
23.7	79.8	FxxF	155.5	155.7	QJ	163.7	165.2	M	157.0	158.8	R9510236	1.5	0.41	1.52	3.88	E 116.5	103.9	460	0.704
79.8	81.1	FV	155.7	156.6	QC	165.2	171.5	S	158.8	159.9	R9510237	1.1	0.99	0.73	2.93	74.5	64.0	650	1.189
81.1	85.7	FTL	156.6	157.1	QJ	171.5	199.8	M	159.9	160.6	R9510238	0.7	0.94	0.09	0.62	33.5	28.7	196	0.378
85.7	86.7	MT	157.1	159.9	QB		EOH		160.6	162.1	R9510239	1.5	0.65	0.51	2.11	62.8	54.1	680	1.329
86.7	86.6	FLT	159.9	160.6	ATSB				162.1	163.6	R9510240	1.5	0.23	2.62	6.12	77.2	71.0	360	0.478
86.7	90.6	FTL	160.6	165.2	QJ				163.6	165.2	R9510241	1.5	0.50	3.17	9.86	E 120.5	109.7	740	1.093
90.6	102.7	FxxF	165.2	166.8	ATM				165.2	166.7	R9510242	1.5				9.4		154	
102.7	105.8	FxxR	166.8	167.6	MWX2														
105.8	120.6	FxxG	167.6	169.8	MWX4														
120.6	124.7	FV	169.8	171.5	MOX4														
124.7	130.6	FZxB	171.5	172.8	MW														
130.6	131.0	QZVN	EOH																
131.0	131.9	ATW																	
131.9	132.8	QZVN																	
132.8	133.5	ATM																	
133.5	136.2	HPSP																	

Hole # 95-153	Log By:	Easting:	Commenced				Recovery	Length	Core Size	Card No 2 of 4
Stick up:	Collar Elevation :	Northing:	Completed				Collar Dip	Azimuth	Assays?	Coded?	Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
79.8	81.1	S	G	FY	banded charcoal-light buff grey sericite+quartz+iron carbonate - black (graphitic) chlorite; asymmetrically folded; disseminated pyrite + pyrrhotite	1	1				75	70	
81.1	85.7	G	S	FTL	as @ 4.1-5.3 - with strongly developed foliation (no oxidization); bands of Qgrite-grey silica lie in Sa2a - protomylonitic ?; near bottom of unit, thin irregular bands of sphalerite-grey silica	8				2		70°	
85.7	86.7	S	S	MT	as @ 5.4-6.5; largely gouged; sericite locally yellowish-green; cut by quartz carbonate vein; no sulphides observed								
85.7	86.6			FLT	gouged rock								
86.7	90.6	S	G	FTL	as @ 4.1-5.2m; largely granular texture unevenly distributed chlorite "porphyroblasts"(?); limited disseminated pyrite	tr					70°	70°	
90.6	102.7	G	G	FXXF	as @ 23.7-79.8; bands + patches of sulphides are dominantly pyritic near the top of the unit and pyrrhotitic near the bottom	4	6						
102.7	105.8	G	G	FXXR	largely ribboned quartz-sericite-iron carbonate schist (+chlorite), largely folded + somewhat dismembered; locally granular texture; bands and blebs of pyrrhotite + lesser pyrite	2	6						
105.8	120.6	G	G	FXYG	foliated granular quartz-sericite-iron carbonate schist (+sulphides + chlorite); cut by numerous small quartz veins; foliation highlighted by elongate pyrrhotite blebs; fine FY-type interbeds near bottom of unit; small gouge @ 113.9	1	7					70°	
120.6	124.7	G	G	FY	as @ 79.8-81.1m; locally this is prominently FZ-type lithology with faint charcoal coloured (graphitic?) chlorite inputs in wispy bands; limited fine pyrrhotite blebs in Sa2a		2					70°	
124.7	130.6	G	S	FZXB	banded quartz-sericite schist (+iron carbonate +sulphides); both pyrite and pyrrhotite bands (distinct); locally folded (F2); becomes slightly altered (chlorite + sericitic) near bottom + core is fragmented; cut by small quartz veins, local disseminated euhedral coarse gr. pyrite	4	2					70°	
130.6	131.0	S	S	QZVN	pegmatitic quartz vein with limited sericitic host rock entrained within it, coarse gr. pyrite isolated within	1							

Hole # 95-K-3	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 3 of 4
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S3
131.0	131.9	S	S	ATW	weak chlorite + sericite alteration overprinting FZ lithology; sericite is greener than typical FZ rock, cut by several small quartz veins; irregularly shaped pyrrhotite blebs		2				20	70	
131.9	132.8	S	S	QZVN	pegmatitic quartz with limited sericitic host-rock entrained in it								
132.8	133.5	S	G	ATM	moderate sericite, iron carbonate + chlorite are envelope alteration of felsite; see 5 main parallel pyrrhotite + pyrite + chalcopyrite (+sphalerite) mineralization; crack sealed with unusual yellow-green mineral to be sent for analysis	1	2	1		tr	10	70	
133.5	136.2	G	G	APSP	strong typical chloritic are envelope alteration with chlorite (green biotite?) and albite porphyroblasts; extensive wispy pyrrhotite + lesser pyrite, chalcopyrite and sphalerite mineralization	8	20	3		1	50	70	
136.2	137.7	G	G	ATSP	strong typical chloritic are envelope alteration with extensive wispy pyrrhotite sphalerite + chalcopyrite mineralization		10	7		13		65°	
137.7	142.4	G	G	ATS	strong typical chloritic are envelope alteration with fine (3mm) subhedral carbonate porphyroblasts; more limited sulphide mineralization; local small green biotite (chlorite) porphyroblasts	1	1			tr		85°	
142.4	143.0	G	G	ATSP	strong sericite + iron carbonate alteration with extensive recrystallized pyrite + chalcopyrite mineralization	15		10		2		75°	
143.0	146.9	G	S	ATW	Sericitic +/- local chlorite (green biotite) porphyroblastic carbonate alteration of felsic rock (FZ?); band (4cm wide) rich in sphalerite + pyrite; disseminated euhedral pyrite	3				2	30°	65	
146.9	149.8	S	S	ATS	as @ 137.7-142.4 - no chloritic porphyroblasts observed	1	4						
149.8	153.2	S	S	ATW	as @ 143.0-146.9 (no sphalerite + pyrite band) with local euhedral carbonate porphyroblasts								
153.2	154.1	S	S	OC	typical net-like chalcopyrite - pyrrhotite + carbonate - silicate (chlorite) gangue	5	30	40				65	
154.1	154.6	S	S	OB	poor quality OB - limited sphalerite, largely massive pyrite with silicate-carbonate gangue + porphyroblastic chlorite overprint	70				4		65	

Hole # 95-153	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 4 of 4	
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded?	Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
154.6	155.5	S	G	ATSP	strong albite, sericite + chlorite alteration with net-like chalcopyrite			25		4	10		
155.5	155.7	G	G	OT	mixed sulphides and silica + carbonate gangue		10	40		5			
155.2	156.6	G	S	OC	as @ 153.2 - 154.1 m ; with chlorite (green biot.?) porphyroblast	5	10	50					
156.6	157.1	S	G	OS	as @ 155.5-155.7	20	10	25					
157.1	159.9	G	S	OB	banded sulphides with silica to ± carbonate gangue (25%); 15cm band of alteration gangue rock @ 157.8	35		3	tr	15			
159.9	160.6	S	S	ATSB	as @ 146.9-149.8 m with sulphide rich band; with small barite (?) laths	10		5				70	
160.6	165.2	S	S	OB	as @ 157.1-159.9 (without gangue band), ~15% gangue	60		5		20			
165.2	166.8	S	S	ATM	moderate typical ore envelope alteration (chlorite + ± carbonate + sericite) - strongly banded, some sulphides in bands	6						85	
166.8	167.6	S	S	MWX2	sericite-chlorite-calcite schist; well banded with small orange rhombic ankerite porphyroblasts							85	
167.6	169.8	S	G	MUX4	banded chlorite-calcite schist with porphyroblastic biotite; isolated coarse gr. recrystallized pyrite; local limited ankerite rhombs (small ~1-2 mm	tr						80	
169.8	171.5	G	G	MOX4	banded biotite-albite-calcite schist (biotite content is variable), thin band (>1cm) of pyrrhotite		tr					75	
171.5	172.8	G		MW	as 166.8-167.8 without ankerite porphyroblasts, pyrrhotite blebs + galena in Smain	tr	2		3				
	EOH												

Hole # 95-157	Log By: LAFH	Easting: 414849.7	Commenced	29 | 05 | 95	Recovery	Length 172.8	Core Size NQ	Card No	of 4
Stick up: 0.3	Collar Elevation : 1397	Northing: 6815674.7	Completed	30 | 05 | 95	Collar Dip 90	Azimuth 180	Assays?	Coded?	Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	Dip S3
0	3.7			OVB	no recovery								
3.7	4.3			OVB	limited polymictic cobble fragments (cover burden)								
4.3	10.5		G	FTL	light grey to buff-grey tuffaceous quartz-sericite-iron carbonate-chlorite (+ biotite) schist with lapilli-sized fragments; bands of biotite speckled rock; elongate pyrrhotite blebs in Smain ($S_m = S_0 = S_1 = S_2$); heavily oxidized to 4.6m; moderately to weakly oxidized (groundwater effect) to ~7.1m		2					75°	
10.5	15.6	G	S	FXXB	medium grey to greenish-grey banded quartz-sericite-chlorite-iron carbonate schist (+ biotite); silica bands - locally fragmental (local lapilli?); unevenly distributed biotite, wispy pyrrhotite, disseminated pyrite; locally folded; small mafic tuff interbeds	tr	1					35°	
15.6	20.0	S	S	MT (SX?)	patchy reddish-beige tuffaceous sericite-calcite-biotite-chlorite, phyllite with interbedded banded silica-chlorite (veins??) folsites; cut by small quartz ± quartz-carbonate veins; strong Smain foliation, locally folded veins; locally Elected with hornblend porphyroblasts; no sulphides observed; cut by gouge zone							85°	
20.0	20.3			FGT	extensive gouge zone.								
20.6	26.8	S	G	FXXB	as @ 10.5-15.6; 15° oblique region carbonate rich; healed fracture (quartz-tourmaline) - flat surface @ 30° to core axis; cut by quartz-carbonate veins (± pyrrhotite ± chlorite); irregularly-shaped pyrrhotite blebs; small gouge zone @ 25.3m		1				85°		
26.8	33.2	G	S	FXXF	quartz-sericite-iron carbonate schist (+ chlorite) with irregular (fragmented) quartz forms; locally ribboned; density of silica forms varies; local small biotite influxes (pelitic influx in felsic volcanic); thin XX interbeds; local chlorite abundances (mottled) - SK interbeds - ie @ 32.1m; limited disseminated pyrite (chlorite)	tr							
33.2	34.1	S	S	SX	biotite-calcite-sericite schist, thin quartz bands (beds, veins?) Folded pligmatically; cut by quartz veins with pyrrhotite; small pyrrhotite blebs		1					75°	
34.1	34.7	S	G	SK SG grit	mottled sericite-quartz-chlorite-carbonate schist (± biotite); gritty quartz (coarse sand); possible lapilli present near bottom of unit; no sulphides observed						80°	60°	

HOLE # 95-157

SUMMARY LOG: 4.3m of overburden drilled before lapilli tuff (FTL) was intercepted; hangingwall rock is largely calcite of FY and FTL types interbedded with mafic tuffs (MT) and metasediments (SK+SX); limited FY+FZ lithologies were associated with ore envelope alteration rocks above the ore zone; ore and alteration type rocks were interbedded from 142.6m to 161.7m; alteration and mafites (MU type) were drilled in the hangingwall; end of hole at 172.8m

DRILLING SUMMARY: 3.7-5.2 ~0.5m loss; 28.9-29.6 no 1m loss; 89.9-90.5 ~0.25m loss; 114.9-118.0 ~0.5m loss; 130.1-133.2 ~0.2 133.2-136.2 ~0.2m loss; 136.2-139.3 ~0.9m loss; 139.3-142.0 ~2.0m loss; 148.1-151.5 ~1.1m loss; 151.5-154.5 ~0.3m loss; 157.6-159.4 ~0.8m loss; 159.4-160.6 ~0.4 m loss; 163.7-166.7 ~1.9m loss; 166.7-169.8 ~0.4m loss;

Downhole Surveys

Meterage	Dip	Azimuth
collar	90	0
11.3	89	244
41.8	88.3	214
72.2	88.3	247
102.7	87.0	203
133.2	85.5	199
172.8	84.5	191

Geores Codes From	To	Code	Geores Codes From	To	Code	Reactivity with HCl From	To	Code	Assays Job # 95-0268R From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
0	4.3	OVB	130.1	134.2	ATW	3.7	15.6	W	139.0	142.6	R9510563	1.5				2.1		20	
4.3	10.5	FTL	134.2	135.0	FY	15.6	16.6	S	142.6	144.1	R9510564	1.5	0.35	1.74	6.57	E165	138.2	984	1.500
10.5	15.6	FXXB	135.0	135.8	FZ	16.6	17.8	W-N	144.1	145.6	R9510565	1.5	0.34	2.25	6.67	E185	176.5	1064	1.496
15.6	20.6	MT	134.8	135.8	FLT	17.8	20.8	S	145.6	147.1	R9510567	1.5	0.31	2.02	6.18	E196.5	167.1	1378	1.740
20.6	20.8	FXXB	135.8	137.9	FY	20.8	21.2	W	147.1	147.7	R9510568	0.6	0.35	3.85	8.63	E345	289.1	2000	2.977
20.8	20.3	FLT	137.9	139.5	FZ	21.2	24.5	M	147.7	148.9	R9510568	1.2	0.98	2.24	3.23	E385.5	357.7	2160	3.582
20.8	33.2	FXXF	139.5	142.0	FY	24.5	33.0	W	148.9	151.7	R9510569	1.5	0.50	3.12	8.22	E244	229.1	2000	3.023
33.2	34.1	SX	142.0	142.6	FZXR	33.0	34.2	S	151.7	153.6	R9510570	1.5	0.05	0.81	3.31	53.1	47.5	600	1.061
34.1	34.7	SK	142.6	143.7	OB	34.2	34.7	M	153.6	155.1	R9510571	1.5	1.87	0.34	3.31	89.2	77.2	1276	1.425
34.7	36.1	FTL	143.7	148.9	MTSP	34.7	36.0	W	155.1	156.5	R9510572	1.4	3.32	0.39	4.47	E176	156.3	2600	7.954
36.1	37.6	SK	148.9	156.5	CDA	36.0	37.6	M	156.5	157.5	R9510573	1.0	1.15	0.61	3.52	92.8	81.9	644	1.000
37.6	39.6	SX	156.5	157.5	MTSP	37.6	39.1	S	157.5	159.0	R9510574	1.5	0.31	0.76	3.00	56.3	49.3	344	0.573
39.6	51.3	FTL	157.5	161.7	OB	39.1	52.0	M	159.0	160.9	R9510575	1.5	0.29	1.98	8.07	E129	107.1	706	0.388
51.3	52.0	SK	161.7	164.2	MTSP	52.0	53.2	N(LS)	160.9	161.7	R9510576	0.8	0.33	2.93	7.56	E182.5	165.1	1120	1.377
52.0	53.2	QZVN	164.2	164.5	ATG	53.2	62.8	M	161.7	163.2	R9510577	1.5	1.11	0.22	0.63	47.8	41.5	600	0.771
53.2	60.6	SK	164.5	169.1	MUX4	62.7	72.9	W	163.2	164.2	R9510578	1.0	1.23	0.18	1.59	51.6	47.7	1112	0.613
60.6	72.8	FXXF	169.1	172.8	AY	72.9	78.3	M											
72.8	78.3	SK		EOH		78.3	89.2	W-M											
78.3	89.2	FXXG				89.2	89.8	N											
89.2	89.8	QZVN				89.2	90.1	M											
89.8	94.9	FXXF				90.1	94.9	W											
94.9	103.6	SK				94.9	103.6	M											
103.6	112.2	FTL				103.6	112.2	W(LM)											
112.2	112.6	FM				112.2	112.6	S											
112.6	130.1	FXXG				112.6	148.9	W											

back p.2

Hole # 95-157	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 2 of 4
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters		Contact		Geores	Cominco KUDZ ZE KAYAH DRILL RECORD	Sulphides %					Dip		
From	To	T	B	Code		Py	Po	Cp	Ga	Sp	S1	S2	S3
34.7	36.1	G	S	FTL	tuffaceous sericite-quartz-iron carbonate schist (+chlorite) with lapilli-sized fragments, small gouge zone with milled pyrite	1					60		
36.1	37.6	S	S	SK	mottled quartz-chlorite-sericite-iron carbonate (looks like pelitic sediment - wacke? ⇒ not felsite with pelitic influx as is common); unevenly distributed strung out pyrrhotite		1						
37.6	39.6	S	G	SK	as @ 33.2-34.1 m; limited sulphides	tr	tr					60	
39.6	51.3	G	G	FTL	tuffaceous sericite-quartz-iron carbonate schist (+chlorite) with locally abundant lapilli-sized fragments; cyclical compositional variations; locally abundant carbonate-quartz veins; no sulphides observed						80	60	
51.3	52.0	G	S	SK	as @ 36.1-37.6m - has banded (bedded?) appearance								
52.0	53.2	S	S	QZVN	pegmatitic quartz vein with abundant entrained SK hostrock								
53.2	60.6	S	G	SK	as @ 51.3-52.0 (begins to look more like FTL with mottled chlorite overprint toward the bottom of the unit								
60.6	72.8	G	G	FXFF	as @ 26.8-33.2 m (without MT interbeds + limited biotite influxes); abundant bands rich in pyrrhotite + pyrite + pyrrhotite blebs in S_2	1	3				25	80	
72.8	78.3	G	S	SK	mottled quartz-chlorite-sericite schist (+iron carbonate); as pelitic (chlorite) influx in FX-type rock - has silica forms (small + not very densly packed); cut by small quartz-carbonate veins (folded); core axis sub-parallel fracture healed with biotite + calcite; unevenly distributed pyrrhotite in folded foliations								
78.3	89.2	S	S	FXXS	foliated quartz-sericite-iron carbonate schist (+chlorite); locally has fragmental appearance due to strong overprinting foliations (S_1, S_2); local chloritic influx; unevenly distributed bands rich in pyrrhotite; cut by small quartz vein ⊥parallel to core axis + other small quartz-carbonate veins;		2				60	75	
89.2	89.8	S	S	QZVN	pegmatitic quartz vein with abundant entrained hostrock								
89.8	94.9	S	G	FXFF	as @ 26.8-33.2m (no MT interbeds); large, irregular blebs + core bands rich in pyrrhotite	2					65		

HOLE #

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #											
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T	
						148.9	152.0	M												
						152.0	160.6	W												
						160.6	163.2	M												
						163.2	164.2	S												
						164.2	164.5	N												
						164.5	169.1	S												
						169.1	172.8	N-N												
						EOH														

Hole # 95-157	Log By:	Easting:	Commenced			Recovery	Length	Core Size NQ	Card No 3 of 4
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
94.9	103.6	G	G	SK	as @ 72.8-78.3 m (no core axis parallel healed fractures); local biotite influx; patches (rare) of recrystallized pyrite + grey silica; irregular pyrrhotite blebs and patches	4	3						
103.6	112.2	G	S	FTh	fragmental tuffaceous schist as @ 34.7-36.1; somewhat dismembered by S_1 + S_2; local biotite influxes; local pyrrhotite-rich and pyrite-rich bands; irregular, unevenly distributed pyrrhotite blebs + disseminated pyrite; S_3 kink band	2	3				60	75°	-35
112.2	112.6	S	S	MT (SK?)	Fine grained sericite-calcite-biotite phyllite (+ quartz + chlorite) wispy differential colouration → yellowy green vs. light reddish-brown; flecked with small calcite rimmed with chlorite porphyroblasts								
112.6	130.1	S	G	FxG	quartz-iron carbonate-sericite-sulphide schist (+ chlorite), dismembered, folded bands of sulphides result in irregular folded blebs - pyrite dominates 112.6 → 119.2 m; pyrrhotite dominates 123.6 → 130.1 m; both pyrite + pyrrhotite blebs 119.2 - 123.6	5	5				30°	65°	
130.1	134.2	G	G	ATW (Fx)	weak iron carbonate alteration (riddled with creamy veinlets), and chloritic alteration of Fx type rock	tr	tr						
134.2	135.0	G	S	FY (ATW)	weakly altered quartz-sericite-black (graphitic) chlorite - iron carbonate to black (graphitic) chlorite - quartz - sericite - iron carbonate schist; brittly disturbed	tr							
135.0	135.8	S	S	FZ	highly strained (broken core + gouge) largely quartz-sericite schist (yellowy sericite) with pyrite rich patch	1							
134.8	135.8			FLT	largely gouged + broken core - main foliation @ 40° to core axis								
135.8	137.9	S	G	FY	as @ 134.2 - 135.0 m	tr							
137.9	139.5	G	G	FZ	as @ 135.0 - 135.8 m; more pyritic rock	5							
138.4	139.3			FLT	gouged + broken core - main foliation @ 30° to core axis								
139.5	142.0			FY	as @ 134.2 - 135.0.	tr							

Hole # 95-157	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 4 of 4	
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded?	Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
142.0	142.6	U	S	FZXR	ribbanced quartz-sericite schist (+iron carbonate) ; sericite is light olive green, folded ribbons; limited pyrite in filled fractures	tr					10		
142.6	147.7	S	S	OB	wispily banded sulphides - reddish sphalerite highlights banding; ≈ 35% silicate + carbonate gangue	50				15	80°		
147.7	148.9	S	S	ATSP	strong typical chlorite, silica + iron carbonate ore envelope alteration with extensive sulphide mineralization in net-like form.	20		3	1	5			
148.9	152.0	S	S	OB	as @ 142.6 - 147.7m ; locally fragmented with locally abundant gangue	45				15	85		
152.0	156.5	S	S	ODA	recrystallized sulphides (largely pyrite) laminated with magnetite; limited porphyroblastic albite+chlorite gangue	55	20				85		
156.5	157.5	S	S	ATSP	strong chloritic ore envelope alteration with extensive sulphide mineralization; cut by quartz	10	5	8	tr	3			
157.5	161.7	S	S	OB	as @ 142.6 - 147.7m ; sphalerite abundance varies ; most gangue near unit's base	60		1	tr	15			
161.7	164.2	S	S	ATSP	as @ 156.5 - 157.5m - compositionally banded.	10		8.	tr.	3			
164.2	164.5	S	S	ATG	sericite (yellow-green) and grey mica alteration of felsite?? - sericite - quartz - iron carbonate ; moderately penetrative foliation - S_2 or S_3 ?? - local								45
164.5	169.1	S	G	MUY	banded forest green chlorite - white calcite schist with porphyroblastic biotite near unit bottom						60		
169.1	172.8	G		AY (FXXB)	greeny-yellow sericite, alteration of Felsite; sericite - quartz - iron carbonate schist, thin pyritic bands (+ limited sphalerite) + disseminated pyrite	5				1			
	EOH												

Hole # [illegible]69	Log By: LAFH	Easting: 414800.2	Commenced	27 05 95	Recovery	Length 189.9	Core Size NQ	Card No 1 of 4
Stick up: [illegible]	Collar Elevation : 1403	Northing: 6815671.1	Completed	28 05 95	Collar Dip 70°	Azimuth 180	Assays? ✓	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	3.0			OVB	overburden - no recovery								
3.0	3.9			OVB	overburded - limited polymictic pebble/cobble fragment recovery								
3.9	12.6		G	FXXR	ribboned quart-sericite-iron carbonate schist (+chlorite); with largely intact silica ribbons (some irregular forms); ground water alteration prominant to 4.7m, minor presence to 7.9m; limited pyrrhotite; S3 kinks + stylolite cleavages		tr					85°	60
12.6	15.7	G	G	MTX2 (MD?)	banded sericite-calcite-biotite-quartz schist with abundant rhombic ankerite 'porphyroblasts' (some of which are rimmed with chlorite), resembles mafic dyke lithologies - but no contacts are gradational; small elongate pyrrhotite blebs lying in Smain ($S_0 = S_1 = S_2$); limited disseminated pyrite; healed (chlorite) fracture sub-parallel to core axis	tr	2				75	80°	
15.7	31.7	G		FXXR	as @ 3.9-12.6m (no ground water oxidation effects or S3 kinks evident), limited disseminated pyrite; sphalerite + galena + pyrite associated with a early quartz-carbonate vein; increase in chlorite to bottom	2			1	2			
31.7	41.3	G	G	SK (FXXF?)	coarse grained grit (pebbly conglomerate?); quartz-sericite-chlorite schist (+iron carbonate) with local 'silica forms' and limited ribboning; chlorite is not typically mottled (as older SK); local FX influxes; pyrrhotite in irregular wispy blotches		4					85	
41.3	44.8	G	S	FTL (FXXF)	tuffaceous quartz-sericite-iron carbonate schist (+chlorite); with lapilli-sized fragments; limited bluish elongate quartz eyes; bands of recrystallized pyrite	3					85		
44.8	45.2	S	S	MT	band tuffaceous sericite-iron carbonate-quartz phyllite (+biotite); small pyrrhotite blebs + wispy band		5				82	85	
45.2	47.2	S	G	FTL (FXXF)	as @ 43.1-44.8m - locally folded ribboning		4				20	75	
47.2	49.9	G	G	SK (FXXF)	as @ 31.7-15.7m; pyrrotite in isolated irregular blebs		1					85	
49.9	54.1	G	S	FXXF	quart-sericite-iron carbonate schist with irregular silica forms + dismembered ribbons; chlorite-rich band (pelitic influx) with coarse pyrrhotite; with limited mafic tuff interbeds; limited small pyrrhotite blebs.		1					85	

HOLE # 95-159

SUMMARY LOG: 3.9m of overburden was drilled before FX type felsic was intercepted; Hanging wall rock includes dominant FX ~ FTL lithologies interbedded with mafic tuffs (MT) + intermediate sediments. SK, FY and FZ felsics are present near the ore; ore was intercepted from 158.2m to 172.5m with alteration gangue rocks intervening @ 165.6-166.4, 172.5-175.6; footwall rocks drilled include FZ felsites and MU, MD and MN mafic rocks; end of hole @ 189.9

DRILLING SUMMARY: 3.0-4.9 ~0.7m core loss; 114.6-117.6 → 1.1m loss; 123.7-126.8 ~0.3m; 126.8-129.8 ~0.2m; 129.8 → 131.7; 178.6-180.7 ~0.3m core loss

Downhole Surveys

Meterage	Dip	Azimuth
Collar	70	180
11	70	174
41.5	70	173
68.9	70	179
99.4	70	175
129.8	69.5	—
189.9	70	174

Georges Codes

From	To	Code
0	3.9	OVB
3.9	12.6	FXxR
12.6	15.7	MTxZ
15.7	31.7	FXxR
31.7	41.3	SK
41.3	44.8	FTL
44.8	45.2	MT
45.2	47.2	FTL
47.2	49.9	SK
49.9	54.1	FXxF
54.1	55.5	MT
55.5	58.2	FXxR
58.2	58.9	MT
58.9	76.7	FXxF
76.7	93.7	SK
93.7	113.2	FXxG
113.2	118.1	FY
118.1	123.0	FXxG
123.0	126.2	FY
126.2	139.9	FZxR
141.5	142.1	FLT
139.9	158.2	ATS
158.2	159.4	OA
159.4	165.4	OB
165.4	165.6	ATS

Georges Codes

From	To	Code
165.6	166.4	ATSP
166.4	166.8	OCA
166.8	167.9	OA
167.9	172.5	OB
172.5	175.1	ATSP
175.1	175.6	ATS
175.6	176.4	OB
176.4	180.1	MU M
180.1	182.6	MUxM
182.6	185.2	FZxB
185.2	189.9	MUxM
185.2	182.0	MD
182.0	189.9	MNxM

Reactivity with HCl

From	To	Code
3.0	12.6	WN
12.6	15.7	W(LM)
15.7	76.7	WN
76.7	83.7	M
83.7	162.8	W
162.8	165.3	M
165.3	180.1	W
180.1	182.8	S
182.8	185.2	W
185.2	189.9	M

Assays Job # 95-0268R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
156.7	158.2	R9510591	1.5				4.8		54	
158.2	159.7	R9510592	1.5	0.08	2.69	8.48	E 109.5	99.6	560	0.847
159.7	161.2	R9510593	1.5	0.22	5.56	14.31	E 233	213.3	2400	4.024
161.2	162.8	R9510594	1.5	0.40	1.46	5.03	E 185.5	171.2	2000	2.888
162.8	164.3	R9510595	1.5	0.32	1.66	6.27	E 163.5	133.7	1484	1.526
164.3	165.6	R9510596	1.5	0.48	1.38	7.16	E 156.5	145.6	1056	1.651
165.6	166.4	R9510597	0.8	2.87	0.33	0.98	E 180	156.4	1420	2.209
166.4	167.9	R9510598	1.5	2.69	1.81	4.71	E 250.5	221.3	1240	1.970
167.9	169.4	R9510599	1.5	0.43	1.64	8.65	E 117.5	98.9	832	0.992
169.4	170.9	R9510600	1.5	0.17	2.71	13.96	82.2	71.1	400	0.864
170.9	172.4	R9510601	1.5	0.35	2.37	7.36	E 141.5	140.4	700	1.088
172.4	174.1	R9510602	1.5	<0.01	0.84	5.65	28.3	25.7	280	0.512
174.1	175.5	R9510603	1.4	0.09	0.25	2.01	17.7	15.5	840	0.553
175.5	176.4	R9510604	0.9	0.31	2.40	8.19	E 247.5	237.7	1638	2.170
176.4	177.8	R9510605	1.4				23.6		336	

Hole # 95-15-9	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No. 2 of 4
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
54.1	55.5	S	S	MT	as @ 44.8 → 45.2 m ; riddled with abundant small quartz-quartz-carbonate veins (asymmetrically folded); limited pyrrhotite blebs		1					75	
55.5	58.2	S	S	FXXR	as @ 3.7-12.6m (no oxidization or S_3 kinks evident) ; elongate inclu parallel pyrrhotite-rich blebs/bands ; coarse, euhedral disseminated pyrite	1	3				85	70	
58.2	58.9	S	S	MT	as @ 54.1-55.5 m ; with few 'S3'-type tension gashes aligned @ 45° to core axis no sulphides observed							75	
58.9	76.7	S	S	FXXF (FTL)	as @ 49.9-54.1 m (no chloritic pyrrhotite band) ; locally biotite is relatively abundant in small bands - elongate in Smain (S_{main} = S_1·S_2·S_3 ?);		4				20	80	
76.7	83.7	S	G	SK (FTL??)	sericite-quartz schist (+green chlorite (biot?) + calcite) ; quartz veins ; band of pyrrhotite-pyrite rich rock @ 79.0-79.1 m ; irregular pyrrhotite blebs are unevenly distributed ; pyrite in healed fractures (with chlorite)	3	4						
83.7	113.2	G	G	FXXG	foliated granular quartz-sericite-iron carbonate schist (+ sulphides + chlorite); cyclical variation in quartz : sericite abundance ; flecked with abundant small pyrrhotite blebs ; banded with recrystallized pyrite (in grey silica) with lesser pyrrhotite ; locally has silica forms ;	5	4					70	
113.2	118.1	G	G	FY	banded charcoal-light grey black (graphitic) chlorite-quartz + iron carbonate schist ; folded (asymmetric slip) quartz veins ; bottom of unit is small gouge with stockwork like creamy quartz veinlets ; abundance of black chlorite veins; pyrrhotite blebs	tr	3					70	
118.1	123.0	S	G	FXXG	as @ 83.7-113.2 m ; local folded pyrrhotite bands / blebs		4				-45	70	
123.0	126.7	G	G	FY	as @ 113.2-118.1 ; broken core + gouge @ 126.2-126.5 m ; pyrite in healed fracture + Smain ; pyrrhotite blebs	2	2				85	70	
126.7	157.5	G	S	F2XR	ribboned quartz-sericite schist (+ iron carbonate ± sulphides) ; thin folded bands of pyrrhotite + grey silica vary in abundance ; sericite quite yellow-green and becomes more greenish down the core ; cut by numerous quartz veins ; broken core - gouge @ 141.0 → 142.1 m ; thin green chlorite (biot?) in folded bands near unit's bottom ; large euhedral pyrite disseminated near unit bottom,	tr	4					90	

Hole # 95-159	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No 3 of 4
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georges?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georges Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
141.5	142.1			FLT	- broken core + gouge. albite.								
157.9	158.2	S	S	AFS	- typical chlorite + grey mica ore envelope alteration; folded; with abundant pyrite - in band and as euhedral crystals; quartz-albite vein cuts this unit	20	3				15	80	
158.2	159.4	S	S	OA	laminated sulphides and magnetite and 10-15% silicate gangue;	50	5		2	8			
159.4	165.4	S	G	OB	wispy bands of sulphides - largely pyrite ± sphalerite, with largely quartz-albite + chlorite (~20-25%)	50		2	3	20		35	
165.4	165.6	G	S	OAD	as @ 158.2-159.4 - pyrite in part recrystallized	60	5					80	
165.6	166.4	S	G	AFSP	strong typical ore envelope alteration (albite, chlorite (green biotite)) with abundant sulphide mineralization; band of recrystallized pyrite; net-like chalcopyrite + pyrrhotite	15	7	8					
166.4	166.8	G	G	OCA	net-like texture sulphide (chalcopyrite - pyrite - pyrrhotite) over-printed by large porphyroblastic albite; abundant magnetite	15	3	40					
166.8	167.9	G	G	DA	as @ 157.2-159.4 - locally folded; local porphyroblastic albite over-print	60		5			50	75	
167.9	172.5	G	G	OB	as @ 159.4-165.4m gangue up to 35%	40				25		75	
172.5	175.1	G	S	AFSP	as @ 165.6-166.4m; sulphides banded + somewhat recrystallized	30				10			
175.1	175.6	S	S	AFS	porphyroblastic ore envelope alteration ± albite (in porphyroblastic bands) ± rectangular biotite (?) porphyroblastic overprint grey-green sericite phyllite; coarse euhedral pyrite overprint	5							
175.6	176.4	S	S	OB	as @ 159.4-165.4 gangue ~ 35-40%	45				15		85	
176.4	180.1	S	S	ATH	moderate to strong ore envelope alteration (chlorite; sericite (= grey mica); carbonate); overall grey-green appearance; cut by quartz-carbonate veins; locally abundant recrystallized pyrite in thin bands with coarse euhedral biotite (S main parallel); wispy cleavage outlined by biotite growth - but biots within cleavage are aligned parallel to S main; S_1 (?) is biot banding & S_2 is S main?						40	80	

Hole # 95-159	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 4 of 4
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters From	Meters To	Contact T	Contact B	Geores Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
180.1	182.6	S	G	MVX4	banded chlorite - calcite schist with stretched + aligned biotite porphyroblasts; uncommon large euhedral pyrite	tr					60	80	
182.6	185.2	G	S	F2XB (AYM)	banded quartz - yellow sericite schist with nebulous dark grey streaks (grey silica + pyrite), cut by quartz ± quartz-carbonate veins; very fine (~1mm) ankerite porphyroblasts locally overprint							80	
185.2	188.0	S	G	MO	banded - chlorite - calcite - biotite schist with local small ankerite porphyroblasts; biotite cleavage/banding as @ 176.4 - 180.1						40	70	
188.0	189.9	G		MVX4	banded - sericite - calcite - biotite schist, with limited ankerite porphyroblasts							75	

Hole # 95-160	Log By: TCS	Easting: 444800.1	Commenced 28 05 95	Recovery	Length 170	Core Size NQ	Card No 2 of 4
Stick up:	Collar Elevation : 1403	Northing: 6815671.6	Completed 29 05 95	Collar Dip 90	Azimuth 0	Assays?	Coded? Georeс?

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	3.0	-	U	OVB	Overburden and Casing								
3.0	4.4	U	S	FXXF	Quartz Sericite Schist with traces of chl + Bio and 5-15% dolomitic to ankeritic Carbonate Section varies from coarse to fine fragmental texture, possibly Tuffs and lapilli tuffs elongated and deformed in in the foliation.	1-5						70	
4.4	4.6	S	S	FTA	Fine grained tuff, homogeneous, weak bedding.								
4.6	12.7	S	S	FXXF	Quartz Sericite Schist with fragmental texture, As previous Py disseminated to locally concentrated on a 5cm scale Some of the Sections are very Siliceous suggesting large Rhyolite clasts spotted in the foliation	1-5	1-5					80	
12.7	15.8	S	S	MD	Chlorite-biotite Schist with dolomite rhombs in the centes of the section. The ends are fine grained Chill margins? and resemble a Sx. Fabric is planar parallel to foliation.							90	
15.8	26.5	S	S	FXXF	Quartz - Sericite Schist with fragmental texture. As with previous section, high concentration of Siliceous fragments suggests a rhyolite hyaloclastic / debris flow. Occassional laminae of Po 1-10 mm wide. There are local, minor monoclinic folds in lowes meter of Section.	1-2	1-5						
26.5	32.8	S	G	SX	Biotite - Calcite Schist. Brown and white Color, Unlike Previous MD, This Section does not have Carbonate rhombs, and has a minor chlorite Component. Carbonate is disseminated to weakly laminar. Section grades to lower FX over 60 cm, in this section Sx is a mottled Quartz - Sericite - biotite Schist. Fabric is less planar, and intensal folding hes developed through the Section						15-80	80	
32.8	41.3	G	S	FXXF	Quartz - Sericite - Carbonate fragmental Schist, Fragments are distinct 3-15cm across angular. Both quartz and Carbonate fragments are present. Possible fault gouge or disaggregation of the section by drilling From 37.5 to 38.5								
37.5	38.5			FF									

HOLE # 95-160

148.2 148.9

SUMMARY LOG: Hole was collared in felsic Volcanics @ 3.0m. Dominant Hangingwall is felsic Volcanics with mafic dyke and a 6m thick sedimentary package. Ore was intersected @ 148.9 m and is generally of a poor grade. Footwall consists of felsic Volcanics cross cut by the large mafic dyke MU.

DRILLING SUMMARY: 145.3 to 148.4 Core loss => 1.1m ; 148.4 to 151.5 core loss => 1.1m

Downhole Surveys

Meterage	Dip	Azimuth
collar	90	0
11.3	86.5	183
41.8	86.5	199
72.2	85	191
102.7	85.5	196
133.2	84	196
169.8	84	188

Geores Codes From	To	Code
0	3.0	OVB
3.0	4.4	FxxF
4.4	4.6	FTA
4.6	12.7	FxxF
12.7	15.8	MD
15.8	26.5	FxxF
26.5	32.8	SX
32.8	41.3	FxxF
41.3	41.9	FTA
41.9	55.6	FxxF
55.6	57.8	FTA
57.8	60.0	FxxF
60.0	61.4	FF
61.4	102.9	FxxF
102.9	105.4	FTA
105.4	127.0	FxxR
127.0	128.8	FZXO
128.8	131.6	FZXR
131.6	139.0	FZXO
139.0	148.4	FZXR
148.4	148.9	AP
148.9	154.5	OB
154.5	154.8	ATXP
154.8	155.6	OB
155.6	157.5	ATS

Geores Codes From	To	Code
157.5	157.6	QZVN
157.6	157.9	ATS
157.9	158.4	QZVN
158.4	158.5	AT
158.5	158.9	OB
158.9	160.0	ATXP
160.0	161.6	MUX2
161.6	162.0	FF
162.0	163.7	MUX4
163.7	166.9	FTL
166.9	170.0	MUX4

Reactivity with HCl From	To	Code
3.0	12.7	N-W
12.7	15.8	S
15.8	26.5	N-W
26.5	32.8	S
32.8	148.4	N-W
148.4	155.4	LM
155.4	160.0	N-W
160.0	161.6	S
161.6	162.0	N
162.0	163.7	S
163.7	166.9	N-W
166.9	170.0	LS

Assays Job # 95-0268R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T	
145.3	148.9	R9510606	2.6	0.16	0.02	0.15	15.8	14.3	20	0.106	Core loss = 70 cm
148.9	150.0	R9510607	1.1	0.32	0.26	1.04	35.6	32.7	578	0.823	Core loss = 60 cm
150.0	151.5	R9510608	1.5	0.12	0.91	5.49	44.8	41.0	482	0.979	Core loss = 40 cm
151.5	153.0	R9510609	1.5	0.25	0.60	5.75	87.5	80.7	1520	1.906	
153.0	154.5	R9510610	1.5	2.19	0.04	5.71	E206	193.4	1360	2.521	
154.5	155.6	R9510611	1.1	1.76	0.48	3.63	E183.5	182.3	2200	6.111	
155.6	157.1	R9510612	1.5				8.5		80		
157.1	158.5	R9510613	1.4				89		56		
158.5	158.9	R9510614	0.4	0.51	1.79	6.13	E276.5	261.4	920	1.467	
158.9	160.4	R9510615	1.5				3.9		26		Core loss = 20 cm

Hole # 95-160	Log By: TCS	Easting:	Commenced				Recovery	Length	Core Size	Card No 2 of 4
Stick up:	Collar Elevation :	Northing:	Completed				Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
41.3	41.9	S	S	FTA	Fine grained Tuff; Chlorite-Sericite-Quartz, homogenous massive to thin bedded. Apparent normal grading to top of hole. Occassional 1-2mm fragment? of Po		<1						
41.9	55.6	S	G	FXXF	Quartz-Sericite Schist with fragmental texture. Variable Carbonate and Chlorite content. From 48.4 to 55.6 Section has 10-20% chlorite matrix. Color is variable from Buff to green grey. Fragments tend to be alligned in the plane of the foliation. Fabric is planar to locally folded.		Tr-1						
55.6	57.8	G	S	FTA	Fine grained tuff; Deformation has produced Stylolites? or possibly primary bedding planes preserved. However, Quartz-Carbonate veins then stylolite folded. 1-2mm "fragments" of Po disseminated. 40cm concentration of Biotite centered at 56.9m.		Tr-3				-70	75	
57.8	60.0	S	G	FXXF	Quartz-Sericite Schist with a fragmental texture								
60.0	61.4	G	S	FF	Massive to fragmented rhyolite flow; while this is not as distinct as some FF it is a massive rhyolite, possible rhyolite tongue with an overlying hyaloclastite (Fx). mm fractures of Py ± Sp ± Ga	1-5			Tr	Tr			
61.4	102.9	S	G	FXXF	Quartz Sericite Schist with a fragmental to weak ribboned texture. Buff/Beige to weak yellow green. Variable chlorite-sericite content throughout. Dominantly Quartz-sericite. Section is homogenous, but variable fragment size from coarse grained to fine grained. Small scale folding in localized areas. Sulphides disseminated and in laminae, becoming more abundant towards end of section	1-5	1-2						
102.9	105.4	G	S	FTA	Fine grained massive to thinly bedded tuff with wisps and disseminations of Po+Py. Quartz Carbonate veinlets are folded with AP parallel to S_2, and vein parallel to core axis.	2	2				0-20	85	
105.4	127.0	S	S	FXXR	Quartz-Sericite Schist, ribboned to thin laminated texture with wisps, and laminae of Py+Po. Fabric is planar, but locally folded with crenulation cleavage.							60-85	

Hole # 95-160	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size NQ	Card No 3 of 4
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S3
127.0	128.8	S	G	FZXO	Quartz - Sericite - Chlorite Schist. Ribboned texture. Black to yellow grey. Suspect footwall chlorite alteration zone. Disseminated Po throughout		2-3					70	
128.8	131.6	G	G	FZYR	Quartz - Sericite Schist with ribboned texture occassional speckling of chlorite, minor veinlets of Carbonate parallel to core axis								
131.6	139.0	G	G	FZXO	Quartz - Sericite - chlorite schist as previous, massive to bedded with folding of beds and production of a crenulation cleavage. Bedding direction variable from parallel to core to ⊥ to core						0-90	80-90	
139.0	148.4	G	U	FZYR	Quartz Sericite Schist as previous. Disseminated and laminae of Py ± Po. Section becomes more chloritic in last 1m, but true contact lost in broken core. Sericite/muscovite can be medium grained in this section. Core loss through section	3-5	1-2						
148.4	148.9	U	U	AP	Chlorite - Albite porphyritic Alteration. Section is broken and suffers from core loss. Uncertain contacts, but suggestive of sharp contact.								
148.9	154.5	U	S	OB	Weakly banded Py ± Sp; local concentrations of Cp although minor with the exception of a more Cp rich section 154.3 to 154.4	70		tr-5		5-10			
154.5	154.8	S	G	ATXP	Sericite chlorite schist with increasing amounts of Py an Cp down hole	5-15		tr-1					
154.8	155.6	G	S	OB	Weakly laminated Py ± Sp with minor local concentrations of Cp. Last 20 cm is milled, possibly primary slump.	70		tr		5-10			
155.6	157.5	S	S	ATS	Chlorite - sericite Alteration Stringers and irregular shapes of Py ± Cp	tr		tr					
157.5	157.6	S	S	QZUN	Quartz Vein								
157.6	157.9	S	S	ATS	As previous								
157.9	158.4	S	S	QZUN	Quartz Vein with Veinlet of Sp+Cp+Ga 3mm wide			tr	tr	tr			
158.4	158.5	S	G	AY	Sericite alteration phase grading into OB. minor Py	tr-1							
158.5	158.9	G	S	OB	Weakly laminated Py ± Sp with abundant Quartz - Sericite	60				5-10			

Hole # 95-160	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No 4 of 4
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S
158.9	160.0	S	G	AYXP	Quartz Sericite Schist with disseminated Py grading to a chlorite rich more AT type with less Py towards end	tr-5							
160.0	161.6	G	S	MUX2	Chlorite - Carbonate Schist with Carbonate porphyroblasts							70	
161.6	162.0	S	S	FF	Fine grained to Aphanitic rhyolite flow with Sericite + chlorite fractures. Piece has been sloped by MU								
162.0	163.7	S	G	MUX4	Chlorite - Carbonate schist with biotite porphyroblasts. Also contains laminae 5 - 20 mm wide of Carbonate							70	
163.7	166.9	G	S	FTL	Felsic tuff / lapilli tuff. Quartz Sericite rich. Lapilli are Stretched in the foliation first 30 cm contains cubic Py	tr-2						60	
166.9	170.0	S	EOH	MUX4	As previous.							45	

Hole # 95-161	Log By: TCS	Easting: 4145095.6	Commenced 28 05 95	Recovery	Length 540.1	Core Size NQ	Card No 1 of 16
Stick up: 0.3	Collar Elevation : 1403	Northing: 6815362.0	Completed 7 06 95	Collar Dip 90	Azimuth 0	Assays? ✓	Coded?	Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	6.1	-	U	OVB	Overburden and Casing								
6.1	13.5	U	S	AY	Sericite rich Schist yellow green. Abundant laminae of Py 1-5mm wide throughout planar fabric. One band of Py 10cm wide @ 12.6-12.7	10						70	
13.5	14.2	S	S	QZVN	Bull Quartz with Veinlets of Cp + Sp (minor)			tr		tr			
14.2	14.4	S	S	OB	Poorly laminated Py ± Sp with disseminated Ga								
14.4	17.8	S	G	FZXR	Quartz-Sericite Schist with disseminated and laminae of Py ± Sp. Section does not have as much Sericite as AY. Sulphides increase down hole	tr3				tr		70	
17.8	18.3	G	G	OI	Heavily disseminated Py + Sp + Ga in a Quartz-Sericite (FZ) rock	5-30				2-5			
18.3	18.6	G	S	OB	Laminated Py ± Sp with disseminated Cp + Ga	70		tr-1	tr-1	5			
18.6	19.1	S	S	OI	As previous; last 5cm has chlorite porphyroblasts.	20				tr			
19.1	20.4	S	S	OB	As previous with Carbonate + chlorite clots/blebs to 3%	70		1-2	2	10-15			
20.4	23.8	S	S	OA	Laminated Py + Mt with disseminated Cp + Sp	50		1		3-5			
23.8	25.9	S	G	OB	Well laminated Py ± Sp with Quartz Carbonate gangue. Disseminated and locally concentrated Cp + Ga	60		1	2	10-15		45	
25.9	31.2	G	S	AY	Sericite rich Schist with disseminated Carbonate. Chlorite in Schistosity, as well as laminae of Py, Small Quartz veins with hematite or K-spar stains present as well. From 26.5 to 31.2 much of the core is broken, suffers from core loss and intermediate changes poorly preserved.								
31.2	31.9	S	S	OA	Laminate Py + Mt, disseminated Sp.	70				1-3			
31.9	35.6	S	G	FWXR	Quartz-sericite Schist with a laminated texture. Moderate Amounts of Carbonate throughout. Major core loss in section, not known if there are intermediate rock types								

HOLE # 95-161

SUMMARY LOG:

DRILLING SUMMARY: 26.5 to 31.7 Core loss ⇒ 70cm 31.7 to 34.7 Core loss ⇒ 2m
264.3 to 266.7 ⇒ coreloss 25cm ; 292.6 to 293.8 coreloss ⇒ 70cm

Downhole Surveys

Meterage	Dip	Azimuth
Collar	90	0
14.3	86	116
44.8	86	121
75.3	85.5	139
105.8	85.5	143
136.2	84	153
197.2	82	166
227.7	82	165
258.2	80	172
288.6	80	179
319.1	79	179
349.6	78	181
410.6	77	188
437.3	76	191
467.7	73.5	196
499.0	72	196
529.4	71.5	196

Geores Codes

From	To	Code
0	6.1	OVB
6.1	13.5	AT
13.5	14.2	QZVN
14.2	14.4	OB
14.4	17.8	FZXR
17.8	18.3	OI
18.3	18.6	OB
18.6	19.1	OI
19.1	20.4	OB
20.4	23.8	OA
23.8	25.9	OB
25.9	31.2	AY
31.2	31.9	OA
31.9	35.6	FWXR
35.6	41.8	FF
41.8	45.0	FWXR
45.0	51.0	FF
51.0	61.7	FWXR
61.7	64.5	FTA
64.5	65.6	MUX4
65.6	71.8	MUX4
71.8	81.6	FWXR
81.6	84.3	FTA
84.3	85.8	FF
85.8	87.0	MUX4

Geores Codes

From	To	Code
87.0	88.9	FF
88.9	93.4	MUX4
93.4	98.4	MUX2
98.4	109.2	FEXR
109.2	112.8	FY
112.8	115.2	ATW
115.2	116.4	APW
116.4	123.9	FZXR
123.9	124.6	FZXP
124.6	135.4	SK
135.4	137.1	FTA
137.1	138.3	SX
138.3	151.5	SK
151.5	156.3	FZXO
156.3	157.8	QZUN
157.8	158.7	FTA
158.7	160.0	FTL
160.0	160.5	SK
160.5	164.6	FTL
164.6	165.4	QZUN
168.4	167.5	FTLP
167.5	168.9	FTAP
168.9	169.6	Vein
169.6	174.3	APW
cont. next page		

Reactivity with HCl

From	To	Code
6.1	14.2	W
14.2	14.4	LM
14.4	17.8	W-M
17.8	25.9	L M
22.1	23.6	M-S
23.6	25.1	N
25.1	25.9	M-S
25.9	27.4	N
27.4	29.3	M
29.3	31.2	N
31.2	31.9	M
31.9	34.7	W-N
123.9	124.6	M-S
124.6	135.4	N
135.4	137.1	M
137.1	138.3	W-N
138.3	151.5	M-S
151.5	156.3	M
156.3	157.8	W-N
157.8	158.7	S
158.7	160.0	N
160.0	160.5	S-M
160.5	164.6	W-M
164.6	165.4	N-W
165.4	167.5	M
167.5	168.9	N-W
168.9	169.6	S-M
169.6	174.3	W-N
174.3	175.0	M

Assays Job # 95-0268R

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppm	Ag g/T	Au ppb	Au g/T
16.2	17.8	R9510616	1.6				3		60	
17.8	19.1	R9510617	1.3	1.11	1.52	5.03	E 132.5	123.7	1124	1.937
19.1	20.6	R9510618	1.5	0.97	1.48	6.70	E 135	128.7	1824	1.933
20.6	22.1	R9510619	1.5	2.32	0.49	5.56	92.2	89.4	1520	1.812
22.1	23.6	R9510620	1.5	0.62	1.67	9.06	E 103.5	96.5	562	0.910
23.6	25.1	R9510621	1.5	0.30	2.51	9.56	E 194	175.3	1264	1.818
25.1	25.9	R9510622	0.8	0.35	5.04	9.69	E 418.5	372.7	2200	2.954
25.9	27.4	R9510623	1.5	0.07	1.15	1.43	E 109.5	97.7	1024	0.806
27.4	29.3	R9510624	1.9				10.5		280	
29.3	31.2	R9510625	1.9				7.4		170	
31.2	31.9	R9510626	0.7				63.5		384	
31.9	34.7	R9510627	2.8				47.4		406	
123.9	124.6	R9510628	0.7				5.1		<10	

Broken core/Sampled to blank

Major Core loss.

Hole # 95-161	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size	Card No 2 of 16
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
35.6	41.8	G	U	FF	Fine grained to aphanitic Felsic Flow with inter Flow Felsic Volcanic Sediments. The Volcanic Sediments are thin and minor compared to the FF Core is highly broken.								
41.8	45.0	U	S	FWXR	Quartz-Sericite Schist with abundant Carbonate Ribboned to banded, disseminated and laminae of Py throughout	Tr-1						60	
45.0	51.0	S	S	FF	Fine grained to Aphanitic Felsic Flow, very Siliceous; K-spar alteration minor. Veinlets of Py 1mm wide with one 5cm concentration of py+sp @ 48.5 m								
51.0	61.7	S	G	FWXR	As previous								
61.7	64.5	G	G	FTA	Felsic tuff, Schistose with Sericite ± Chlorite in foliation. Color is Slight Buff to green yellow. Carbonate is present in the the section as Ankerite/dolomite. Apparent bedding of coarse and fine tuff in last 50 cm. Section grades in to lower over 20 cm.							70	
64.5	65.6	G	S	MWM	Sericite-chlorite-Calcite schist. Transition Between the Felsics to Mafics. Biotite porphyroblasts throughout are 1mm across, and locally Concentrated to 30% in 15 cm sections.								
65.6	71.8	S	S	MUX4	Chlorite-Calcite Schist with biotite porphyroblasts. Biotite ~15%, locally Concentrated to 30%.							75-80	
71.8	81.6	S	G	FWXR	Quartz-sericite schist with Carbonate bands. Buff-green disseminated py.								
81.6	84.3	G	S	FTA	Felsic tuff, Quartz-Sericite schist very fine grained to medium grained. massive to weak banding. Still a few bands of cc but not as previous							85-90	
84.3	858	S	S	FF	Fine Grained to Aphanitic Felsic flow, possible cherty tuff. laminae of Sericite, Py. Section has undergone a moderate alteration as indicated by the pistachio green coloration, especially in last 30 cm.	Tr							

HOLE # 95-161

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys

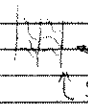
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl		
From	To	Code	From	To	Code	From	To	Code
174.3	174.8	QZVN	294.2	297.5	FTA	162.5	184.7	N-W
174.8	178.9	FTAO	297.5	298.5	FTL	184.7	191.2	N
178.9	184.7	SX	298.5	299.9	QZVN	191.2	203.7	M
184.7	186.8	FTL	299.9	301.9	SX	203.7	205.0	N
186.8	191.2	FTA	301.9	307.7	MT	205.0	260.0	M-LS
191.2	194.5	MTAY	307.7	310.4	MTXL	260.0	267.5	N-W
194.5	203.7	MTLY	310.4	312.3	MTA	267.5	268.3	S
203.7	204.4	FTL	312.3	313.0	MN	268.3	274.8	M-W
204.4	205.0	FTA	313.0	317.1	MTA	274.8	275.8	N-W
205.0	216.0	MTLY	317.1	321.0	FTA	275.8	283.1	M-S
216.0	224.4	MTAY	321.0	341.0	FTOM	283.1	288.7	M-W
224.4	230.7	MN	341.0	343.5	MT	288.7	290.7	W
230.7	240.5	MWXY	343.5	343.8	FF	290.7	320.1	M-S
240.5	249.0	MO	343.8	344.7	FTL	320.1	343.5	W-M
249.0	252.6	MWXY	344.7	348.5	FTOM	343.5	343.8	N
252.6	254.1	MN	348.5	351.7	FTX1	343.8	348.5	W-N
254.1	260.0	MWXY	351.7	357.2	MT	348.5	354.7	M-W
260.0	267.5	FTL	357.2	367.3	FTOM	354.7	357.2	M-S
267.5	268.3	SX	367.3	368.1	QZVN	357.2	368.1	W-N
268.3	274.8	MWXY	368.1	369.4	MO	368.1	369.4	M-S
274.8	275.8	FTA	369.4	377.0	FTX1	369.4	381.6	W-N
275.8	283.1	MWXY	375.0	382.6	FLT	381.6	382.4	M-W
283.1	288.7	FTA	377.0	381.6	AY	382.4	383.1	N
288.7	290.7	MWXY	381.6	382.4	MV	383.1	383.6	S
290.7	294.2	SX	382.4	383.1	FX	383.6	395.3	N-W

Assays Job #										
From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T

Hole # 95-161	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size	Card No 3 of 16
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Georges?

Meters From	Meters To	Contact T	Contact B	Georges Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
85.8	87.0	S	S	MUX4	Chlorite Calcite Schist with biotite porphyroblasts, bio ≈ 25-35% good banding. Sharp contacts with apparent chill margins indicate dyke								
87.0	88.9	S	S	FF	Fine grained to Aphanitic felsic flow to cherty tuff. Very Siliceous but also banded like bedding. Disseminated Py and Carbonate	Tr							
88.9	93.4	S	G	MUX4	As previous. Section starts with 2cm wide Cp+Po band, disseminated Py through first 50 cm.	Tr	Tr	Tr				75	
93.4	98.4	G	S	MUX2	Chlorite Calcite Schist with Carbonate porphyroblasts Section becomes more chlorite rich towards end/last 150 cm Almost an MM		Tr						
98.4	109.2	S	S	FZXR	Quartz - Sericite Schist, good ribboned texture laminae and disseminated Py ± Sp. Two 4cm bands of Sulphide @ 101.9 @ 102.3.	5				Tr		70	
109.2	112.8	S	S	FY	Quartz-Sericite-black Chlorite Schist with wisps and laminae of Py+Po Probable Chlorite alteration of a felsic Volcanic. Chlorite abundance varies along length of section from dominant to Subordinant.	1-2	2-3						
112.8	115.2	S	G	HTW	Chlorite alteration of a felsic Volcanic: Chl-Ser-Qtz Schist, variable intensity with green chlorite dominant at start to Sericite dominant at base as it grades into next unit. Enough chlorite at start to suggest minor tuff. Planar fabric with minor folds.							70	
115.2	116.4	G	G	APW	Albite-chlorite porphyroblasts in a Quartz-Sericite Schist. Porphyroblasts are <1cm across and are largest and most abundant at top of core Laminae and disseminated Po		Tr-1						
116.4	123.9	G	G	FZXR	Quartz-Sericite Schist with laminae and disseminated Po+Py laminae anastomose more than being parallel and planar. Some of the laminae are structurally formed S_2 cuts S_1 "Typical overprint" LAFH	Tr-1	Tr-1						
123.9	124.6	G	G	FZXP	Po rich Quartz-Sericite Schist		25			tr			



HOLE # 95-161

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys

Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
383.1	383.6	MN	468.8	474.7	MO×B	395.3	421.6	W-N											
383.6	385.7	FX	471.7	477.1	FZ×R	421.6	453.5	N-W											
385.7	386.2	FZ	477.1	478.0	FF	453.5	468.4	M-S											
386.2	391.8	FX×M	478.0	479.0	FB×R	468.4	468.8	N											
391.8	395.3	FZ	479.0	479.9	SY	468.8	474.7	M-S											
395.3	405.4	FTOM	479.9	480.8	FW	474.7	478.0	N											
405.4	407.3	FTL	480.8	481.0	FF	478.0	479.0	N-W											
407.3	416.1	FTA	481.0	481.4	FW	479.0	479.9	W-M											
416.1	420.1	FTOM	481.4	483.8	MO×B	479.9	480.8	M											
420.1	421.6	FTA	483.8	484.7	FTA	480.8	481.0	N											
421.6	428.6	FTOM	484.7	486.4	MO	481.0	483.8	M											
428.6	433.5	ATMM	486.4	486.9	QZVN	483.8	484.7	N											
433.5	436.6	FZ	486.9	487.2	FTA	484.7	486.9	LM											
433.5	436.6	Vein	487.2	489.0	MO×B	486.9	487.2	N											
436.6	437.5	FTOM	489.0	489.8	FTA	487.2	489.0	M											
437.5	438.1	FF	489.8	490.8	MN	489.0	493.9	M-W											
438.1	440.5	FTL	490.8	493.1	FW×R	493.9	494.6	N											
440.5	443.8	FTOM	493.1	493.9	MN	494.6	495.6	M											
443.8	447.4	FTL	493.9	494.6	FF	495.6	496.0	N											
447.4	448.7	SA	494.6	495.6	MN	496.0	497.8	M											
448.7	450.7	MT	495.6	496.0	FF	497.8	498.6	N											
450.7	450.9	QZVN	496.0	497.8	MN	498.6	499.4	M											
450.9	453.5	FT	497.8	498.6	FF	499.4	500.5	N											
453.5	468.4	MO×B	498.6	499.4	MO	500.5	501.9	M-W											
468.4	468.8	FF	499.4	500.5	SA	501.9	511.3	W-N											

Hole # 95-161	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No. 4 of 16
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
124.6	135.4	G	S	SK	Chlorite-biotite mottled Quartz-Sericite Schist. Probable alteration of felsic volcanic, NOT a true sediment. Quartz "pebbles" occur in abundances to 15% from 131.6 to 135.4							65	
135.4	137.1	S	G	FTA	Felsic tuff; fine grained thin bedding. Quartz ± feldspar dominant with a chlorite matrix. Possibly a true wacke, unlike previous SK. Color varies from grey to yellow-grey when there is a higher sericite component.								
137.1	138.3	G	G	SX	Biotite-Carbonate Schist with quartz + Sericite. Thin bedded, dark brown							60	
138.3	151.5	G	G	SK	Chlorite-biotite mottled Quartz-Sericite Schist. As previous; with Quartz pebbles. The Mottling is variable from strong to weak. Some Chl rich zones including 145.0 to 145.3 suggestive of alteration.								
151.5	156.3	G	S	FZXO	Quartz-Sericite Schist with variable amounts of Chlorite Section is dominantly fine grained with <5mm angular quartz fragments. equivalent to a poorly sorted tuff. Disseminated and laminae of Po		1-2					80	
156.3	157.8	S	S	QZVN	Bull quartz with felsic volcanic gangue. Small localized concentrations of Cp + Po		Tr-1	Tr					
157.8	158.7	S	G	FTA	Fine grained felsic tuff massive to thinly bedded. Minor Po veinlets near QZVN contact, and disseminated Cp.		Tr	Tr					
158.7	160.0	G	G	FTL	Lapilli-tuff; fine grained tuff matrix with 5-15% Qtz ± Albite? phenocrysts. Unsorted, matrix supported.								
160.0	162.5	G	G	SK	Chlorite-Biotite mottled Quartz-Sericite Schist Homogenous, mottles may by Chloritic lapilli.							60	
162.5	164.6	G	S	FTL	As previous but still retains weak mottled texture of a SK. Disseminated and laminae of Po throughout. Major minerals are sericite, qtz, chl, bio.		1-2						
164.6	165.4	S	S	QZVN	Bull Quartz with Carbonate and Chlorite gangue								

HOLE # 95-161

Back of 4

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys

Meterage	Dip	Azimuth

Geores Codes

From	To	Code
500.5	501.9	MUXB
501.9	502.5	FTL
502.5	503.3	MNXB
503.3	503.6	FF
503.6	504.5	MN
504.5	504.9	FF
504.9	511.3	MUX4
511.3	519.0	QFP
519.0	522.4	MUX4
522.4	522.7	QZVN
522.7	526.1	QFP
526.1	526.6	MN
526.6	526.8	QFP
526.8	527.6	MO
527.6	530.8	FTA
530.8	532.1	SZ
532.1	532.4	FTA4
532.4	532.9	FF
532.9	534.0	FTA4
534.0	534.2	MN
534.2	534.5	FF
534.5	534.9	MN
534.9	540.1	FTA4
EOH @ 540.1		

Geores Codes

From	To	Code

Reactivity with HCl

From	To	Code
504.9	511.3	M-S
511.3	519.0	N
519.0	522.4	M-S
522.4	526.1	N
526.1	526.6	W
526.6	526.8	N
526.8	527.6	W
527.6	540.1	W-M

Assays Job #

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T

Hole # 95-161	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No 5 of 16
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
165.4	167.5	S	G	FTLP	Quartz-Albite, lapilli tuff. Fine grained Quartz - Sericite - chlorite - Po matrix. Po in bands and disseminated. The lapilli tend to be angular. 2-5mm across		5					70	
167.5	168.9	G	S	FTAP	Quartz - Sericite - chlorite - Po tuff. No lapilli. Dominated by Qtz + Ser. this tuff is more of a Schist than anything. Po in laminae and disseminated. Indication of fluid movement by Production of S_3 tourmaline Veins		5-10					70	30
168.9	169.6	S	S	Vein	Tourmaline - Dolomite - Quartz, with Dolomite replaced by Po + Cp.		2	Tr					
169.6	174.3	S	S	APW	Albite - Chlorite porphyroblasts in a Quartz - Sericite - chlorite matrix. Porphyroblasts are 1-10 mm across. Albite surrounded by Chlorite. Population of Porphyroblasts varies up to 15% along section. Disseminated Py + Po	Tr	Tr					75	
174.3	174.8	S	S	QZVN	Bull Quartz								
174.8	178.9	S	S	FTAO	Felsic tuff; Quartz - sericite schist, fine grained								
178.9	184.7	S	G	SK	Chlorite - biotite mottling (alteration) of a Quartz Sericite Schist. As with previous this section is an felsic tuff altered, rather than a Sed. Disseminated Po		Tr-1						
184.7	186.8	G	S	FTL	Lapilli - tuff, elongate / Angular Quartz - Albite lapilli. weak chlorite Alteration ends 40 cm into section							80	
186.8	191.2	S	S	FTA	Felsic tuff to a fine grained lapilli tuff. Lapilli are white Quartz ± Albite ± Dolomite. Poor Fining up sequence from base to top.								
191.2	194.5	S	G	MTA4	Chlorite rich Mafic (actually intermediate) tuff. Medium green-grey with occassional lapilli Sized Fragment								
194.5	203.7	G	G	MTL4	Quartz - Carbonate lapilli Mafic tuff. Matrix is mafic (chlorite). Biotite porphyroblasts to 10%. Lapilli are angular, 3-20 mm. minor Calcite laminae.								

Hole # 95-161	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size	Card No 6 of 16
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	Dip S3
203.7	204.4	G	S	FTL	Fe/sic lapilli tuff ⇒ Quartz - Sericite dominant lapilli 5-20 mm elongate in the foliation Section ends with a 5mm Cp + Po laminae		tr	tr				85	
204.4	205.0	S	S	FTA	Fine grained grey tuff : Quartz + Feldspar + Sericite + biotite + disseminated Po + Py	tr	tr						
205.0	216.0	S	G	MTL4	Matic lapilli Tuff with 5-25% biotite porphyroblasts lapilli vary through Section. Lapilli are Carbonate + Quartz.								
216.0	224.4	G	S	MTA4	Matic tuff with 5-25% biotite porphyroblasts. Only minor lapilli component. Chlorite is often concentrated in bands with minor Cp (chl bands 1-10cm wide)		Tr	Tr					
224.4	230.7	S	G	MN	Biotite Calcite chlorite Schist Biotite dominant throughout								
230.7	240.5	G	G	MWX4	Sericite-chlorite Calcite schist with biotite porphyroblasts Biotite varies 15-30% Disseminated Po and minor mm scale laminae of Cp.		Tr	Tr				70	
240.5	249.0	G	G	MO	Chlorite-calcite-biotite Schist. biotite to 25% homogeneous through Section.							70	
249.0	252.6	G	S	MWX4	Sericite-Chlorite-Calcite Schist with biotite porphyroblasts. Biotite varies 2-15%. Section is homogeneous.							55	
252.6	254.1	S	G	MN	Biotite-calcite-chlorite Schist. Homogenous, planar fabric, with laminae/beds of Calcite. Biotite content varies between 5-30% with least biotite to base of section							80	
254.1	260.0	G	G	MWX4	Sericite-chlorite-Calcite Schist with biotite porphyroblasts. Biotite varies 5-20% but is concentrated in bands between 258.5 to 259.0 where Quartz tourmaline veins are present.							70	
260.0	267.5	G	S	FTL	Fe/sic lapilli tuff, Quartz-Sericite Schist, but still retains apparent primary volcanic textures. The section contains both lapilli dominant and tuff dominant rock. Biotite is present as porphyroblasts from 262.0 to 264.1 upto 10%, and occassional elsewhere.								

Hole # 95-161	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size	Card No 7 of 16
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
267.5	268.3	S	S	SX	Biotite rich + Calcite + Quartz Schist. dark brown very Acid reactive (FIZZ). Planar fabric, Strong foliation, Carbonate in bands and disseminated Biotite dominant, but also larger mm biotite flakes.							70	
268.3	274.8	S	S	MWX4	Sericite - chlorite - Calcite Schist, homogenous throughout. Biotite porphyroblasts 10-20%. Possible lapilli fragments "hidden" behind the chlorite green Coloration In last 50-70cm several 1-5cm qtz veins cross cut the Section Section is more biotite rich, almost SX in last 30cm.		Tr					75	
274.8	275.8	S	S	FTA	Fine grained tuff - Quartz - Sericite Schist. First 20cm is more of a lapilli tuff with quartz lapilli 3-5mm, some Stretched in foliation are longer.								
275.8	283.1	S	G	MWX4	Section starts with quartz veins for first 30cm. Section grades from biotite to chlorite to Sericite rich over the length but retains biotite porphyroblasts through out. Bio. ppy. Varies 10-30%. Unit is generally massive, but does develop a planar fabric/foliation Calcite is most abundant through the biotite rich section		Tr						
283.1	288.7	G	S	FTA/ FTL	Felsic lapilli tuff to tuff. Generally fine grained quartz Sericite Schist, traces to 10% biotite, disseminated Carbonate. weak Chlorite addition give light green color. "Lapilli" are not always distinct hidden by metamorphic/alteration overprint. P_y is disseminated with occasional laminae		Tr						
288.7	290.7	S	G	MWX4	As previous, except biotite content is 5-15% Massive with weak foliation.								
290.7	294.2	G	G	SX	mottled chlorite - sericite Schist with occassional Blue quartz eye Section is fine grained, but grades into the underlying lapilli tuff. Broken core and core loss from 292.6 to 293.8 Suspect not true Sediment, but metamorphism/alteration of felsic Volcanics.								
294.2	297.5	G	U	FTA	Fine grained tuff; Quartz Sericite Schist with chl + Bio + Carbonate giving a grey hue. There are minor lapilli of qtz + Flds. Massive, poorly Sorted. Debris flows?								

Hole # 95-161	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size NQ	Card No. 8 of 16
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Georges?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georges Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
297.5	298.5	U	S	FTL	Felsic lapilli tuff; lapilli are quartz (Rhyolite) Angular to Sub rounded 3–15mm across in plane of foliation. Section starts with 20 cm gauge							80	
298.5	299.9	S	S	QTZV	Quartz Vein with Felsic tuff/lapilli tuff gangue. Approx 50-50 Vein to tuff.							80	
299.9	301.9	S	G	SX	Biotite - Calcite - quartz ± Sericite Schist. Fine grained with massive to poorly bedded texture. 1mm wide carbonate veins cross cut Section. 10 cm wide quartz rich Section @ 301.1 to 301.2 Section grades to louder rocks over 10 cm.								
301.9	307.7	G	G	MT	Mafic tuff Chlorite - Quartz - Sericite, light to medium green. Fine grained weak banding Variable carbonate content based on acid test. Planar fabric uniform through Section. Occassional rhyolitic lapilli Carbonate content increases down hole		TT					85	
307.7	310.4	G	S	MTXL	Mafic tuff with a high carbonate abundance. Buff colored Ankerite/Siderite is predominant in this Section as bands, laminae and fragments. Carbonate content varies from 5–60%. NO Sorting nor bedding in Section.							85	
310.4	312.3	S	S	MTA	Mafic tuff dominant Ash Sized particles with minor lapilli. Green color throughout 2-5% <4mm biotite flakes in most of Section. Fragments or porphyroblasts of Carbonate in last 15cm.								
312.3	313.0	S	S	MN	Biotite - calcite, rich Schist, Brown massive to poorly bedded. 312.5 to 312.6 has 30% concentration of carbonate porphyroblasts 2-3mm across.		Tr						
313.0	319.1	S	S	MTA	Mafic tuff, dominant Ash Sized particles. Some Sections are more of a crystal tuff with feldspar phenocrysts. <2% Biotite flakes in small areas of Section. High abundance of Calcite in last meter.								
319.1	321.0	S	G	FTA	Felsic tuff dominant Ash Size. ⇒More intermediate than Mafic. Central Section is more chloritic than rest, possible interbedding with gradual contacts or chloritization of central. Last 90 cm is highly Siliceous and massive much like a Felsic flow.								

Hole # 95-161	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size NQ	Card No 9 of 16
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
321.0	341.0	G	G	FTOM	Chlorite mottled/striped - Sericite - Quartz Schist. Section is massive, homogenous and appears tuffaceous. Possible chlorite alteration of a felsic tuff or sericitization of a mafic tuff. Chlorite can be ~ 40-50% in places. Unlikely a true Sediment. Section is cross cut by a few 5-15cm Quartz tourmaline veins. Fabric is planar No apparent folds.							85°	
341.0	343.5	G	S	MT	Mafic tuff ; Chlorite - Sericite - Felbspar - Quartz schist, massive to thin bedded with a planar fabric. Unlike the previous this section is more black- chlorite rich, and still retains a tuffaceous texture.								
343.5	343.8	S	S	FF	Fine grained to Aphanitic White Rhyolite flow/dyke with <1mm chlorite spots throughout	Tr							
343.8	344.7	S	S	FTL	Felsic lapilli tuff Angular lapilli, Quartz +Fdsp? + Sericite + Chlorite.							85	
344.7	348.5	S	G	FTOM	Chlorite mottled/striped Sericite - quartz - schist, As with previous section, homogeneous uniform texture. 20cm quartz vein @ 345.8								
348.5	354.7	G	G	FTX1	Felsic tuff with chlorite ?PY and abundant Calcite. Texture is gabroic homogenous throughout.								
354.7	357.2	G	G	MT	mafic tuff Chlorite rich. Sulfides are in veinlets and disseminated.	Tr		Tr					
357.2	362.3	G	S	FTOM	Chlorite mottled/striped Sericite - quartz Schist. Texture is Striped more than mottled mineral segregated bands throughout Strong foliation. Several <1mm wide cross cutting carbonate veins Section become sericite - quartz dominant towards the end of the section	Tr	Tr	Tr				55	
367.3	368.1	S	S	QZVN	Quartz veins with Sericite and chlorite gangue.	Tr	Tr						
368.1	369.4	S	G	MO	Chlorite - Calcite - biotite Schist. Fine grained massive to weak banding. Biotite 10 - 40%, Calcite most abundant in high bio. Sections Disseminated sulphide.		Tr						

Hole # 95-161	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size NQ	Card No. 10 of 16
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Georeс?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georeс Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
369.4	377.0	G	U	FTX1	Quartz-Sericite Schist with chlorite porphyroblasts, Variable chlorite content to chlorite dominant in small sections. From 375.0 to 377.0 there is alot of core breakage and shearing going on							50-80	
375.0	382.6	–	–	FLT	Fault Zone, Variable core breakage increased Shear.								
377.0	381.6	U	U	AY	Sericite dominant schist with chlorite in foliation and small quartz veins Variable abundance of Calcite. THIS IS NOT A TYPICAL AY !!! but best fits this coding System.								
381.6	382.4	U	S	MV	Chlorite Sericite calcite Schist highly Sheared and fault gouge.								
382.4	383.1	S	S	FX	Quartz-Sericite-calcite-chlorite Schist deformed by fault and intrusion of small quartz veins.								
383.1	383.6	S	S	MN	Biotite-calcite-chlorite Schist								
383.6	385.7	S	G	FX	Quartz-Sericite-biotite-chlorite mottled Schist Variable texture best fits into mish-mash! Possible alteration of a felsic Volcanic not a typical FX.								
385.7	386.2	G	G	FZ	Quartz-Sericite Schist, massive, yellow with traces of chlorite and carbonate.								
386.2	391.8	G	G	FXXM	Quartz-Sericite-Biotite Schist with biotite+chlorite mottling NOT a typical Rock.! Appears to be a biotite alteration of a felsic volcanic. Possible remnant laDill in first 50 cm of Section. This Section is also cut at a low angle to core axis by tourmaline veins.							75	
391.8	395.3	G	S	FZ	Quartz-Sericite Schist, yellow, Possible remnant tuffaceous texture. Dominant massive to thinly bedded. many Tourmaline-quartz veins cross cut the section.	Tr						70	
395.3	405.4	S	G	FTom	Chlorite mottled-Quartz sericite Schist Section varies from strong mottling/stripping to to weak mottling weak chlorite alteration core is broken through the section but minimal to no core loss.							80	

PLATE 1

003432

STRIP 1

OVB	OVERBURDEN	
FF	FELSIC FLOW	
FTA	FELSIC TUFF, ASH	
FTC	FELSIC TUFF, CRYSTAL	
FTL	FELSIC TUFF, LAPILLI	
FT	FELSIC TUFF	
FW	QTZ-SER SCHIST W. CC BANDS	
FX	QTZ-SER SCHIST +-CHL, BI, CO3	
FY	QTZ-SER-CHL (GRPH) SCHIST	
FZ	QTZ-SER-CO3 SCHIST	
MD	MAFIC DIKE	
MF	MAFIC FLOW	
MM	CHLORITE SCHIST	
MN	BIOTITE/CALCITE (CHLOR) SCH.	
MO	CHLORITE/CALC/BIOT SCH.	
MS	MAFIC SILL	
MT	MAFIC TUFF	
MU	CHLORITE/CALCITE SCHIST	
MV	CHLORITE/SERICITE/ CALCITE SCH.	
MW	SERICITE/CHL/CC SCHIST	
MY	CHLORITE/SER/QTZ SCHIST	
MZ	PISTACHIO MICA/QTZ /SER SCHIST	
SA	ARGILLITE/PHYLLITE	
SK	WACKE/ARKOSE	
SL	LIMESTONE/MARBLE	
SQ	QUARTZITE	
SV	CHL/SER/CC (BI) SCH	
SW	SER/CHL/QTZ SCHIST	
SX	BI-RICH SCH. CC+-QTZ, CHL	
SY	BI/CHL/SER SCHIST	
SZ	BI/SER/QTZ/CHL SCH	
OA	LAMINATED SULPHIDE MAGNETITE ROC	
OB	WISPILY LAMINATED SX WITH SIL	
OC	CPY / PO NETWORK SULPHIDES	
OD	RECRSY. PORPHYRO-BLASTIC SX	
OF	PYRRHOTITE ROCK	
OG	CHALCOPYRITE ROCK	
OH	PYRITE - MASSIVE TEXTURE	
OI	HEAVILY DISS SX IN FZ	
OJ	HEAVILY DISS SX IN A	
AP	ALTERATION - PORPHYROBLASTIC	
AT	ALTERATION-TYPICAL	
AY	ALTERATION- YELLOW SERICITE	
QZVN	QUARTZ VEIN	
VN	VEIN	
FLT	FAULT ZONE	

STRIP 2

A_D_	ALT - FELDSPAR	
A_G_	ALT - GREY MICA	
A_L_	ALT - CARBONATE	
A_O_	ALT - CHLORITE	
O_A_	MAGNETITE BEARING	
O_F_	PO > 10%	
O_G_	CPY > 3%	
O_I_	INTERBANDED QTZ/SER	
O_O_	CHLORITE BEARING	
__A_	ASH	
__B_	BOMB	
__C_	CRYSTAL	
__L_	LAPILLI	

STRIP 3

___1	CHLORITE PPY	
___2	CARBONATE PPY	
___3	FELDSPAR PPY	
___4	BIOTITE PPY	
___B	BANDED	
___C	CARBONACEOUS	
___D	FELDSPAR PHYRIC	
___E	GRADED	
___F	FRAGMENTAL TX	
___G	GRANULAR TX	
___H	CHERTY	
___L	CALCAREOUS	
___M	MOTTLED	
___O	CHLORITIC	
___P	FE-SULPHIDIC	
___R	RIBBONED	
___S	SPHERULITIC	
___Z	QUARTZ PHYRIC	

8-NOV-95
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Hole # 95-161	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size NQ	Card No. 11 of 16
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
405.4	407.3	G	G	FTL	Felsic lapilli tuff.; Quartz Sericite rich with Siliceous lapilli. Rhyolitic to Dacitic, Sericite defines foliation, Lapilli are Stretched in the foliation, Occassional blue quartz eyes. (tr-1%)							80	
407.3	416.1	G	G	FTA	Felsic Tuff: Quartz-Sericite Schist, fine grained with <10% lapilli fragments. Chlorite is present in Section in variable amounts <5 to 20%. Section is generally massive to weak bedding. Several qtz veins @ 409.1 to 409.3, 415.9 to 416.1 and minor elsewhere. Color varies from grey green to yellow green along Section.								
416.1	420.1	G	G	FTDM	Felsic tuff with chlorite mottling; Quartz-Sericite Schist is fine to medium grained, Moderate ribboned texture caused by foliation traces of disseminated Py. Very Similar to previous unit, but has the mottled texture blue quartz eyes are present in <2% abundance. Possible Highly Flattened lapilli tuff.		Tr					70	
420.1	421.6	G	G	FTA	Felsic Tuff? Quartz Sericite Schist, blue quartz eyes <3mm to 5% abundance, Strong foliation. From 420.7 to 421.0 there is a strong alteration effect. The Tuff is "pistachio green (almost)" bright green on either side of a 10cm wide biotite-sericite rich section. The last 30 cm of this section looks like a felsic flow which has been fractured and altered to quartz + sericite bands.								
421.6	428.6	G	G	FTDM	Chlorite mottled quartz-sericite-biotite Schist with <5% quartz eyes. Homogenous and strongly foliated. Disseminated Py, minor calcite. Highly Strained Rock.		Tr						
428.6	433.5	G	S	ATMM	Biotite-chlorite-Sericite-Quartz Schist. Alteration of a felsic Volcanic. The micas vary from Biotite to Sericite rich. Quartz is fine grained to 2x1 cm Augen Shapes. Section is highly strained, strong foliation. Sulphide is Disseminated through section. Color is variable green-brown. Similar to the previous, but much more intense	Tr-1	Tr-1						
433.5	436.6	S	S	FZ/VEM	Quartz Sericite Schist cross cut by several bull quartz veins. Abundant carbonate/dolomite/siderite								
433.5	436.6	—	—	VEM	(For Section, patterns)								

Hole # 95-161	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No 12 of 16
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
436.6	437.5	S	S	FTOM	As previous								
437.5	438.1	S	S	FF	Highly Siliceous, massive fine grained to Aphanitic Felsic flow. Probable dyking from a massive rhyolite center. Vfg disseminated Pyrite	Tr							
438.1	440.5	S	S	FTL	Blue Quartz eyes in a quartz sericite schist, lapilli tuff? Lapilli sized fragments. light grey/yellow massive to weakly bedded.							80	
440.5	443.8	S	S	FTOM	As previous, becoming more sericitic towards end of hole. disseminated sulphides	Tr	Tr						
443.8	447.4	S	S	FTL	Green/yellow with buff specked coloration Quartz-feldspar-sericite chlorite lapilli tuff. Lapilli are flattened in the plane of the foliation.	Tr						65	
447.4	448.7	S	G	SA	Argillite; Black chlorite schist, Siliceous, Sheared/Foliated, S_1-S_2 foliation						0-15	80	
448.7	450.7	G	S	MT	Gradational from Argillite, fine grained mafic tuff Green; Chlorite Sericite Quartz Schist disseminated sulphides Quartz-carbonate segregations as laminae.		Tr						
450.7	450.9	S	S	QZVN	Bull Quartz Vein								
450.9	453.5	S	S	FT	Felsic to Intermediate tuff; Quartz-sericite-chlorite with fine grained carbonate particles. Section is fine grained, homogenous massive. poor bedding								
453.5	468.4	S	S	MUXB	Chlorite Calcite schist banded to bedded. well foliated. Some areas of the section tend to be more massive chlorite with a fine grained nature suggesting these were Mafic tuffs to lapilli tuffs. Disseminated Po throughout. Several quartz veins <10cm wide in section		Tr					80	
468.4	468.8	S	S	FF	Highly Siliceous, massive fine grained felsic flow. Possibly felsite dyke as previous FF, <2% feldspar phenocrysts <0.5mm wide. Disseminated Py.	Tr							

Hole # 95-161	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No 13 of 16
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters		Contact		Geores	KUDZ ZE KAYAH DRILL RECORD	Sulphides %					Dip		
From	To	T	B	Code		Py	Po	Cp	Ga	Sp	S1	S2	S3
468.8	474.7	S	S	MUXB	Banded Chlorite - Calcite schist with occassional band of Biotite well foliated, disseminated Py; As previous							75-85	
474.7	477.1	S	S	FZXR	Quartz - Sericite schist ribboned texture Some Quartz eyes (blue) are present suggesting this was a tuff. Also <0.5mm felaspar crystals are present to 5% in section. Disseminated Py	Tr						85	
477.1	478.0	S	S	FF	Fine grained Siliceous felsic flow. As previous, traces of Sulphide, probable chill margin on both ends.	Tr							
478.0	479.0	S	S	FZXR	As Previous, Possibly Stretched lapilli tuff								
479.0	479.9	S	S	SY	Biotite - chlorite - Sericite Schist, well banded, well foliated. 10cm fault gouge @ 479.2								
479.9	480.8	S	S	FW	Quartz - Sericite Schist with carbonate bands and disseminated, plus 3-5% quartz eyes blue. Lapilli - tuff ?							85	
480.8	481.0	S	S	FF	Fine grained Siliceous Felsic flow. Disseminated pyrite, Dyke or Sill.	Tr							
481.0	481.4	S	S	FW	As previous								
481.4	483.8	S	S	MUXB	Banded Chlorite - Calcite Schist with some biotite rich bands, well foliated Some sections are chlorite dominate, Disseminated Py		Tr					85	
483.8	484.7	S	S	FTA	Felsic tuff, massive to thinly bedded. Quartz - Sericite, 2% bio,								
484.7	486.4	S	S	MO	Chlorite dominant Schist with calcite and biotite. banded to massive two quartz veins 5 and 10cm wide @ 485.9 to 486.2.								
486.4	486.9	S	S	QZVN	Bull quartz with chlorite ±biotite gangue and wisps of Py in gangue	Tr							
486.9	487.2	S	S	FTA	As previous								
487.2	489.0	S	S	MUXB	Chlorite calcite Schist, banded. Disseminated Py; 1-2cm concentrations of Biotite.	Tr							

Hole # 95-169	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No 14 of 16
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
489.0	489.8	S	S	FTA	As previous but with 8cm FF at very end.								
489.8	490.8	S	S	MN	Biotite-calcite chlorite schist cut by two 5cm FF, and several 1-2 cm Quartz carbonate vein								
490.8	493.1	S	S	FWXR	Felsic tuff ⇒ Quartz sericite schist with ribboned to banded texture Abundant carbonate. Cut by several 10 cm wide Felsic flows with traces of py.							80	
493.1	493.9	S	S	MN	As previous								
493.9	494.6	S	S	FF	Massive Felsic flow/dykes with MN gangue. Dssemminated Py	Tr							
494.6	495.6	S	S	MN	As Previous								
495.6	496.0	S	S	FF	As previous No MN								
496.0	497.8	S	S	MN	Biotite calcite chlorite schist, Several cross cutting Felsic flows @ 496.1 to 496.2, 496.2 to 496.3, 496.6 (3cm, & 496.8 (3cm) 497.3 to 497.4.								
497.8	498.6	S	S	FF	Dominant Felsic flow with Silicified MN gangue.								
498.6	499.4	S	G	MN	Chlorite-calcite Schist, massive to banded. 5% biotite specks Disseminated Sulphide	Tr							
499.4	500.5	G	G	SA	Dark grey-black very fine grained, weak bedding Argillite to mafic tuff. This is neither a typical tuff or argillite, may be a fine grained tuff very chlorite rich.							80	
500.5	501.9	G	S	MNXB	Chlorite Calcite Schist with 2-5% biotite, banded, strong foliation								
501.9	502.5	S	S	FTC	Felsic Lapilli tuff with 8cm of Felsic dyke/flow. Quartz-Sericite Schist								
502.5	503.3	S	S	MNXB	Chlorite-Biotite Schist. Biotite content variable to 80% (last 10cm mafic tuff? Sediment?								

Hole # 95-161	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No 15 of 16
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
503.3	503.6	S	S	EF	As previous								
503.6	504.5	S	S	MN	Biotite Chlorite Schist only minor Calcite which is dominantly in fractures.								
504.5	504.9	S	S	EF	Felsic Flow/Lytic as previous								
504.9	511.3	S	S	MUX4	Chlorite Calcite Schist with Biotite porphyritic flakes/specks upto 40%, usually, <5%. Some small folds/crenulation foleauge.							85	
511.3	519.0	S	S	QFP	Quartz eye - Feldspar porphyroblast s intrusive. Porphyroblasts are elongate in the foliation and can resemble lapilli. Accessory minerals are Sericite and biotite. Section starts of strongly foliated and resembles a lapilli tuff, becoming more massive and coarse grained "Intrusive looking" towards middle of Section								
519.0	522.4	S	S	MUX4	As previous, Section intruded by the QFP, Biotite Porphyroblasts are largest at the ends of the sections and can be up to 40% of the rock. Average ~20%. Calcite is low in abondance.								
522.4	522.7	S	S	QZVN	Bull Quartz - Carbonate Vein								
522.7	526.1	S	S	QFP	As previous, coarse grained								
526	526.6	S	S	MN	Biotite - Chlorite Schist with minor calcite. Dark brown Coloration Biotite ~ 40%. Massive								
526.6	526.8	S	S	QFP	As previous, Stronger foliation.								
526.8	527.6	S	G	MD	Chlorite - Biotite Schist, with low abondance of Calcite ~20% feldspars. Possible mafic tuff.								
527.6	530.8	G	G	FTA	Felsic tuff with 2-5% blue quartz eyes 1-2mm across Quartz - Feldspar - Sericite - biotite Schist. Massive, well foliated, Biotite varies 3-10%.								

Hole # 95-161	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No 16 of 16
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
530.8	532.1	G	G	SZ	Biotite - Sericite - Quartz Schist, This Appears to be a biotitic/potassic alteration of a felsic volcanic as there is Cp disseminated through much of the section with a high concentration @ 529.9 m Remnant Blue quartz eyes. Strong foliation. Biotite is concentrated in bands (Product of Shear? or alteration?)		Tr	Tr-1				80-85	
532.1	532.4	G	S	FTA4	Felsic Luff with biotite. Quartz - Sericite - Biotite Schist. Massive to weak banding.								
532.4	532.9	S	S	FF	Fine grained Quartz ± 1% biotite. massive, foliation defined by biotite Another Felsic dylle.		Tr.						
532.9	534.0	S	U	FTA4	As previous, disseminated Sulphide remnant Quartz eyes, becoming more biotitic down hole near end of section. Section ends in 10 cm of fault gouge / broken core.								
534.0	534.2	U	S	MN	Biotite - calcite Schist fine grained massive, moderately strong foliation							80	
534.2	534.5	S	S	FF	As previous, but first 5 cm has been cut by a Bull quartz vein with Po.		Tr						
534.5	534.9	S	S	MN	As previous								
534.9	540.1	S	GOU	FTA4	Felsic tuff with biotite porphyroblasts. Section has several bedding contacts suggesting multiple deposition events. Section is quite schistose although the tuffaceous to lapilli tuff components is visible. Dominant Mineralogy is Quartz - Sericite - Feldspar biotite chlorite Possibly a true Greywacke (SH) with biotite as the mod component.	Tr						80	

Hole # K2K-95-162	Log By: HCS	Easting: 4900	Commenced 7 8 95	Recovery	Length 75.3	Core Size NQ	Card No 1 of 4
Stick up: 0.3	Collar Elevation : 1320m	Northing: 8925	Completed 8 8 95	Collar Dip -90	Azimuth —	Assays? KP+S	Coded? ✓ Geores?

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	23.7	–	G	OVB	OVERBURDEN								
23.7	30.1	G	G	SAXC	MUDSTONE / ARGILLITE	Tr-3						20	
					Dark grey to black carbonaceous, locally calcareous mudstone. Core is blocky & typically broken along S_2 cleavage / schistosity which is penetrative imparting a thin banded / bedded appearance. Unit has a sooty appearance. Calcite common as local, thin (1-2 mm) bands parallel to S_2 and is commonly weathered / dissolved leaving a porous / vuggy residual mudstone (5-15% porosity). ≤ 0.5 - 2 mm								
					Light green chlorite / muscovite ? and calcite tuffaceous interbeds become increasingly common towards base of unit from 29.3 until they are dominant lithotype @ 30.1.								
					Pyrite occurs in mudstone as very fine disseminated grains along S_2, "vug" walls & cross cutting D_3? fractures. Pyrite is probably marasite.								
					Low to moderate conductivities recorded with ohm-meter.								
30.1	33.0	G	S	MFFTA	~~MAFIC~~ - INTERMEDIATE TUFF								
					~~Clean~~ MUSCOVITE - Light green chlorite schist with coarse elongate pyrite blebs to 1cm towards base. Unit is light grey-green, very vuggy towards top (dissolved Py ?) and fine grained. Coarse Pyrite blebs / framboids are very distinctive. Basal contact apparently sharp as fragmented clean muscovite schists are in contact with fragmented mudstone. Rare biotite-phlogopite	Tr-10						20	
33.0	35.9	S	S	SAXC	MUDSTONE / ARGILLITE.								
					As in 23.7-30.1 interval. GRAPHITE along local S_2 plane. Weak to strong conductivities.	Tr-3							
35.9	36.8	S	S	FTA	INTERMEDIATE - FELSIC TUFF								
					Very similar unit to 30.1-33.0. Coarse Pyrite is absent. Weakly calcareous locally.								

HOLE # 162

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth
NONE	TAKEN	

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #											
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T	
0	23.7	OUB																		
23.7	30.1	SAXC																		
30.1	33.0	ETA																		
33.0	35.9	SAXC																		
35.9	36.8	FTA																		
36.8	37.9	SAXC																		
37.9	44.8	SA/MT																		
44.8	54.6	MTAB																		
54.3	54.4	FLT																		
54.6	57.6	MF																		
57.6	62.2	MTAB																		
62.2	64.2	MF																		
64.2	64.4	MTAB																		
64.4	64.7	MF																		
64.7	65.1	MTA																		
65.1	66.3	SAXC																		
66.3	66.6	MTA																		
66.6	69.6	SAXC																		
69.6	70.3	MTA																		
70.3	71.2	SAXC																		
71.2	73.0	MT/SA																		
73.0	74.7	SAXC																		
74.7	75.3	MF																		
	EOH																			

Hole # 95-162	Log By: HCS	Easting:	Commenced			Recovery	Length	Core Size	Card No 2 of 4
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
36.8	37.9	S	G	SAXC	MUDSTONE / ARGILLITE								
					As in 28.7 – 30.1 interval. Low to no conductivity								
37.9	44.8	G	U	SA/MT	INTERBEDDED MUDSTONE + MAFIC / INTERMEDIATE TUFF						20	20-30	
					Dark grey / black mudstone bands to several cm intercalated with light green chloritic laminae and bands. Calcite laminae also commonly present along S_2 and in thin cross-cutting fractures. Locally vuggy. Mudstone dominant to 42 m then increasingly mafic to the point where mudstone only forms thin isolated bands in a light to med. green v. f. grained tuff matrix. Thin wavy like character locally + notably @ 44.3 where S_0 is evident in mtor M-fold over 20 cm length of core. Elsewhere laminae are // to S_2.								
44.8	54.6	U	G	MTAB	MAFIC ASH TUFF								
					Thin to thick laminated, thin bedded, light-grey to medium green mafic ash tuff. Dark grey black chlorite / mudstone seams locally present. Biotite present locally as very fine flakes commonly with trace Py along S_2 cleavage. Very similar to above unit except mainly tuffaceous.	Tr-2							
54.3	54.4	S	S	FLT	GOUGE								
					Thin gouge zone with angular chlorite (MTA) schist fragments within @ margins.								
~~54.4~~													
54.6	57.6	G	S	MF	MAFIC FLOW UNIT								
					Light to medium green, massive, generally homogenous chlorite schist. V. Fine grained at top and sucrosic towards base. Fine white/buff specks (possibly ankerite) disseminated within. Py occurs along hairline fractures	Tr							

Hole # 95-162	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 3 of 4
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
57.6	62.2	S	S	MTAB	MAFIC ASH TUFF. As in 44.8-54.6 interval ... identical.								
62.2	64.2	S	S	MF.	MAFIC FLOW(?) UNIT Very similar to 54.6-57.6. Sucrosic textured; v.f. grained toward top over 20 cm.								
64.2	64.4	S	S	MTAB	MAFIC ASH TUFF. As in ≈ units above.								
64.4	64.7	S	~~10~~ S	MF	MAFIC FLOW (?) UNIT. Thin interval exhibiting some homogeneous texture as units above it. Fine grained towards base.								
64.7	65.1	S	S	MTA.	MAFIC ASH TUFF. Light green homogeneous v. f. gr., amberite speckled subunit with thin beds/bands @ base & top. Upper 5 cm comprise a dark grey chlorite/mudstone interbed.								
65.1	66.3	S	S	SAXC	MUDSTONE/ARGILLITE Carbonaceous to graphitic. Dark grey/black with local thin calcite laminae. Nil to moderate conductivity with ohm-meter.								
66.3	66.6	S	G	MTA.	MAFIC ASH TUFF. As in 64.7-65.1 without amberite speckling. D. grey chlorite forms thin discontinuous wisps parallel to S_2 Gradational lower contact into mudstone.							30	
66.6	69.6	G	S	SAXC	MUDSTONE/ARGILLITE Carbonaceous to graphitic with 15-20% Cc as thin white laminae. Biotite commonly developed along S_2 cleavage. Locally pitted & vuggy. Minor tuff interbeds. Local strongly conductive surfaces.							30	

Hole # 95-162	Log By: HSF	Easting:	Commenced		Recovery	Length	Core Size	Card No 4 of 4
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
~~36.8~~				MTA									
69.6	70.3	S	S	[redacted]	MAFIC ASH TUFF. As in 66.3-66.6								
70.3	71.2	S	S	SAXC	MUDSTONE / ARGILLITE As in 66.6-69.6								
71.2	73.0	S	S	MT/SA	MAFIC ASH TUFF WITH MINOR INTERBEDDED MUDSTONE. Thin dark grey discontinuous chlorite wisps in green tuff matrix // to S_2							35	
73.0	74.7	S	S	SAXC	MUDSTONE / ARGILLITE As in 66.6-69.6. Sooty, dark grey, conductive with Trace Py @ Base as thin lams. (discontinuous)								
74.7	75.3	S	-	MF	MAFIC FLOW. As in 62.2-64.2								
					EOH.								

Hole #	KZK 95-163	Log By:	HCF	Easting:	4900	Commenced	11 08 95	Recovery		Length	45.1	Core Size	NQ	Card No.	1 of 1
Stick up:	0.3	Collar Elevation :	1324m	Northing:	8675	Completed	12 08 95	Collar Dip	90	Azimuth	—	Assays?	ICP+S	Coded?		Geores?	

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	23.8	—	—	OVB	OVERBURDEN								
23.8	24.0	—	S	MTA	MAFIC ASH TUFF Light grey/green with thin discontinuous dark grey chlorite and S_0 streaks/wisps. Calcareous. Very similar to tuffs encountered near base of KZK-95-162.		Tr-3						
24.0	30.2	S	S	SAXC	MUDSTONE / ARGILLITE Dark grey/black carbonaceous and graphitic. Highly conductive. Strong S_0 fabric with minor M-folds preserved locally. Calcite forms thin S_0 parallel bands/laminae locally. Porous & vuggy locally as well.							25	
30.2	32.2	S	S	MTA	MAFIC ASH TUFF As in 23.8-24.0								
32.2	33.2	S	S	SAXC/MTA	GRAPHITIC MUDSTONE WITH MINOR INTERCALATED MAFIC ASH TUFF Marcasite along high angle fractures. Mainly mudstone. TUFF forms a thin 10cm band @ 32.8-32.9							30	
33.2	34.0	S	S	MTA	MAFIC ASH TUFF. As in 23.8-24.0.								
34.0	45.1	S	—	SAXC	GRAPHITIC MUDSTONE / ARGILLITE. As in 24.0-30.2. Marcasite along local fracture.	Tr-3							
41.6	45.1	S	—	BX/FLT	BRECCIA / FAULT Calcite healed angular brecciated mudstone.								
	EOH												

HOLE # 183

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes		
From	To	Code
0	23.8	OUB
23.8	24.0	MTA
24.0	30.2	SAXC
30.2	32.2	MTA
32.2	33.2	SAXC/MTA
33.2	34.0	MTA
34.0	45.1	SAXC
41.6	45.1	FLT

Geores Codes		
From	To	Code

Reactivity with HCl		
From	To	Code

Assays Job #

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T

Hole # KZK-95-164	Log By: HCS	Easting: 4900	Commenced	13 08 95	Recovery	Length 90.5	Core Size NQ	Card No 1 of 2
Stick up: 0.3	Collar Elevation: 1335	Northing: 8375	Completed	15 08 95	Collar Dip 90	Azimuth —	Assays? ICP+S	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	10.7			OVB	OVERBURDEN — CASING								
10.7	11.9	—	S	SAXL	CALCAREOUS — CARBONACEOUS MUDSTONE Dark grey chloritic mudstone with white calcite bands and lamina to several cm thick having an S_1 parallel, vein like character. Weak to none-conductive with ohm-meter.							60	
11.9	15.2	S	G	MTA	MAFIC ASH TUFF. Light green with white stripes. Thin bands and laminae with more massive homogeneous character between 13.3-14.1. White stripes are calcite, likely veins // to S_2.								
15.2	17.6	G	G	SAXC	MUDSTONE Carbonaceous, White striped on dark grey/black background. Thin tuffaceous interbeds common.								
17.6	49.0	G	G	MTA/SAXC	MAFIC TUFFS INTERCALATED WITH MINOR CARBONACEOUS TO GRAPHITIC MUDSTONES.	Tr-3							
					Light green tuffs, typically forms main lithotype with mudstone interbeds/intercalations present between 18.7-19.3, 26.5-27.5, 39.4-41.3, 45.1-45.5, & 48.4-49.0 Mudstones typically have a thin tuff beds to several cm & CONDUCTIVE planes can be intercalated. found with ohm-meter; Generally weak with rare strong conductive responses. Pyrite occurs as fine grained coatings on fractures in tuffs & mudstones & as local disseminated grains & blebs in mudstones & tuffs.							60	
46.5	50.0	S	S	FAULT	FAULT ZONE Interval actually comprises competent core with numerous 1-2cm thin gouge zones developed locally @ 30° to ca. Main fault/broken interval occurs @ 49.2-49.9 with minor quartz veining.								

HOLE # 164

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys

Meterage	Dip	Azimuth

Geores Codes		
From	To	Code
0	10.7	OUB
10.7	11.9	SAXL
11.9	15.2	MTA
15.2	17.6	SAXC
17.6	49.0	MTA/SAXC
46.5	50.0	FLT
49.0	88.5	MTAL
88.5	90.5	SAXL
	EOH	

Geores Codes		
From	To	Code

Reactivity with HCl		
From	To	Code

Assays Job #										
From	To	Sample No	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T

Hole # 95-164	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No 2 of 2	
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded?	Geores?

Meters		Contact		Geores	KUDZ ZE KAYAH DRILL RECORD	Sulphides %					Dip		
From	To	T	B	Code		Py	Po	Cp	Ga	Sp	S1	S2	S3
49.0	88.5	G	G	MTAL	MAFIC ASH TUFFS.								
					Light green white striped rock. Thin to med bedded tuffs with Trace P_o + P_y as local streaks & wisps parallel to S_2. Calcite forms 20-30 % of rock & occurs as thin veinlike S_2 // bands. Coarse calcite veins occur @ 85.0 - 85.8 & 86.9 - 87.2							70	
88.5	90.5	G	—	SAXL	MUDSTONE.								
					Light to dark grey calcareous mudstone. Calcite common as thin S_2 // bands.								
					EOH.								

Hole # KZK-95-165	Log By: HCS	Easting: 1750 E	Commenced	16	08	95	Recovery	Length 86.7 m	Core Size NQ	Card No 1 of 2
Stick up: 0.3	Collar Elevation : 1660 m	Northing: 2950N	Completed	17	08	95	Collar Dip -70	Azimuth 180	Assays? NONE	Coded? ✓ Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	9.1	—	—	OVB	OVERBURDEN								
9.1	20.5	—	G	MTX4	CHLORITE – BIOTITE – CALCITE SCHIST / MAFIC TUFFS Thin to medium bedded, medium green chlorite schist. Beds marked by varying shades of green chlorite and compositional variations in Biotite content & carbonate. Biotite is typically fine platey & less commonly as platy masses to several mm long parallel to S_2 schistosity. Biotite content varies from trace to 15%. Calcite is present as thin parallel laminae, wispy seams, and thin beds to several mm thick. It forms roughly 5 to 20 % of rock. A thin dark grey mudstone bed occurs @ 19.2 to 19.3 m.								80
20.5	23.9	G	G	SA	GREY MUDSTONE Light to dark grey weakly calcareous mudstone. Calcite forms local thin S_2 parallel laminae and local cross cutting veinlets along mm wide fractures.								85
23.9	43.6	G	G	MTX2	CHLORITE – BIOTITE – CALCITE SCHIST / MAFIC TUFFS Same units as in 9.1 - 20.5 except carbonate (calcite and dolomite) rhombs to 1cm are common in varying abundances between 28.0 – 31.0 → possible flow unit? S_2 fabric dominates. Biotite present in varying proportions as above. CO_3 rhombs also present btwn 43.0 - 43.5.								
39.5	38.8	S	S	QZVN	} WHITE BULL QTZ VEINS.								
41.9	42.2	S	S	QZVN									
43.6	53.2	S	S	SAXC	DARK GREY / BLACK, WHITE LAMINATED MUDSTONE. Carbonaceous to locally graphitic mudstone with thin calcite laminae. Biotite is locally present as is Pyrite as disseminated grains & thin streaks. Low resistivity along graphitic laminae (tested with ohm-meter). Thin tuff unit (mafic) @ 48.2 - 48.4 m.	Tr-3							

HOLE # 95-165

SUMMARY LOG: The hole hole Tested an Airborne /HLEM / + UTEM channel 3 + 4 conductor in the cirque west of Fruit Creek. Carbonaceous to graphitic mudstones with thin laminated calcite/calcareous bands were encountered between 43.6 – 53.2 and 58.3 – 69.7. Mafic tuffs occur above; between; and below the mudstones and are intercalated with 5 cm wide chert beds between 75.8 – 77.7.

DRILLING SUMMARY: 11 bags mud used. No problems drilling

Downhole Surveys

Meterage	Dip	Azimuth
No surveys	taken.	

Geores Codes From	To	Code
0	9.1	OVB
9.1	20.5	MTXB
20.5	23.9	SA
23.9	43.6	MTX2
38.5	38.8	QZVN
41.9	42.2	QZVN
43.6	53.2	SAXC
53.2	58.3	MTX4
58.3	69.7	SAXC
69.7	73.3	MT/SA
73.3	75.8	MTX4
75.8	77.7	MT/SH
77.7	83.2	MTX2
83.2	86.7	MDX2
	EOH	

Geores Codes From	To	Code

Reactivity with HCl From	To	Code

Assays Job # From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T

Hole # 95-165	Log By: HCS	Easting:	Commenced		Recovery	Length	Core Size	Card No. 2 of 2
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD — SH = Chert

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
53.2	58.3	S	S	MTx4	CHLORITE-CALCITE SCHIST WITH TRACE BIOTITE (MAFIC TUFF) As in previous mafic tuff descriptions. Lacks porphyroblastic CO_3 spots & coarse biotite. Biotite within is fine-flakey & Tr-1 %.								
58.3	69.7	S	S	SAXC	GRAPHITIC DARK GREY MUDSTONE WITH WHITE CALCITE LAMINAE. As in 43.6-53.2. Calcite forms vein/lite character with carbonaceous laminae/bands. Roughly 10 to 30 % Calcite. Individual carbonaceous/graphitic bands are conductive. Thin 20 cm mafic tuff unit near base.	Tr-3						80	
69.7	73.3	S	S	MT/SH	INTERCALATED MUDSTONE + MAFIC TUFFS/CHLORITE SCHIST. Beds vary from few cm to 1.3 m of carbonaceous, calcareous mudstone.								
73.3	75.8	S	G	MTX4	CHLORITE-CALCITE-BIOTITE SCHIST (MAFIC TUFFS) As in 9.1-20.5 m interval.								
75.8	77.7	G	S	MT/SH	MAFIC TUFFS WITH INTERCALATED CHERT UNITS. Medium green biotite chloritic mafic tuffs as described previously with thin beds (1 to 3 cm) of light grey chert/silica. Delicate light green filigree like sericite laminae commonly present with cherts, notably @ 76.5 m. Basal 20 cm is very cherty with minor chlorite & biotite as thin seams & flakes.								
77.7	83.2	G	S	MTX2	MAFIC TUFFS. (BI-CHL-CC SCHISTS) As in 23.9-43.6 interval. Snowflake like calcite porphyroblasts to less common, overgrowing S_2. Rhombs present locally								
83.2	86.7	S	-	MDX2	BIOTITE-CALCITE (CHLORITE) SCHIST — LAMPROPHYRE. Biotite rich schist with 15-30 % chlorite & 10-20 % calcite, commonly occurring as rhombs Twenty cm Cc vein between 84.5-84.7 EOH							80	

Hole #	KZK-95-166	Log By:	HCS	Easting:	3340 E	Commenced	18	08	95	Recovery		Length	68.6 m	Core Size	NQ	Card No	1	of	1
Stick up:	0.3	Collar Elevation :	1760 M	Northing:	3425N	Completed	19	08	95	Collar Dip	-70	Azimuth	180	Assays?	NONE	Coded?	✓	Geores?	

Meters From	Meters To	Contact T	Contact B	Geores Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S
0	12.4	—	—	OVB	OVERBURDEN								
12.4	47.4	—	S	FLT	FAULT ZONE. "FAULT CREEK" FAULT ZONE. GOUGE & SHATTERED ROCK COMPRISING TWO LITHOTYPES; CARBONACEOUS, CALCAREOUS, GRAPHITIC MUDSTONE AND QUARTZ-MUSCOVITE SCHIST. (FTA?)								
12.4	20.1	—	S	FT	Mudstone fragments & gouge are conductive, ie. very low resistivities with ohm-meter.	F-4							
20.1	21.3	S	G	SA	Contacts with felsics generally knife sharp. Mudstones are calcareous and commonly have								
21.3	26.8	G	S	FT	thin white calcite laminae. Pyrite is common as disseminated grains and less commonly								
26.8	29.9	S	S	SA	as crystal aggregates to several mm.								
29.9	32.9	S	S	FT									
32.9	33.6	S	S	SA									
33.6	35.3	S	S	FT									
35.3	41.8	S	G	SA									
41.8	47.4	G	S	FT									
47.4	68.6	S	—	FTA/FTC	INTERCALATED FELSIC ASH TUFFS & CRYSTAL TUFFS WITH MINOR FLOW UNITS.	F-3					85	85	
					Sequence comprises units to 2m thick, generally 30 to 50 cm, and less commonly 10 cm. Qtz & Sp phyric crystal tuffs are most common, exhibiting graded textures and are typically ~40 cm thick.								
					Dark purple sphalerite occurs in trace amounts as fine grains with pyrite @ 49.3, 49.7 & 53.1 generally stringing out along S_2 as wispy streaks & host units a fine ash tuffs. Weak disseminated v. fi. gr. Sp occur in ash tuffs between 63.2 & 64.9.					Tr			
					Thin rhyolite flows/sills? comprising dense aphanitic silica with mm wide qtz phenocrysts occur intermittently through sequence ranging in thickness from 5 cm to 70 cm.								
					END OF HOLE								

HOLE # 95-166

SUMMARY LOG: 95-166 was collared + drilled to test a narrow low conductivity, non-magnetic response in Upper Fault Creek. The conductor was defined by Airborne EM, HLEM + UTEM. Gravity gave inconclusive results. The hole commenced in Flt Ck Fault Zone & encountered gouge & strongly fragmented mudst + felsic tuffs from 12.4-47.4. Graphitic mudstones occur between 20.1-21.3, 26.8-29.9, 32.9-33.6, & 35.3-41.8 and exhibit low resistivities with the ohm-meter. Excellent graded crystal tuffs / lapilli tuffs & thin rhyolite flows units preserved below the fault. Felsic ash tuffs host weak disseminated Sphalerite mineralizations.

DRILLING SUMMARY:

No problems with drilling. 10 Bags gel & 1 tub alcomer used.

Downhole Surveys NONE TAKEN

Meterage	Dip	Azimuth

Geores Codes From	To	Code
0	12.4	OVB
12.4	20.1	FT
20.1	21.3	SA
21.3	26.8	FT
26.8	29.9	SA
29.9	32.9	FT
32.9	33.6	SA
33.6	35.3	FT
35.3	41.8	SA
41.8	47.4	FT
47.4	68.6	FTA/FTC
12.4	47.4	FLT

Geores Codes From	To	Code

Reactivity with HCl From	To	Code

Assays Job #

From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T

Hole # KK95-168	Log By: HCS	Easting: 4700	Commenced	22	08	95	Recovery	Length 171.0 M	Core Size HQ	Card No. 1 of 3
Stick up: 0.3	Collar Elevation :	Northing: 5335	Completed	24	08	95	Collar Dip -45	Azimuth 000	Assays? NONE	Coded? ✓ Georges?

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georges Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	9.8	—	—	OVB	OVERBURDEN								
9.8	13.7	—	S	FZXB	Yellow-green qtz-muscovite schist. Thin banded, crenulated.							30	
13.7	14.7	S	S	OB	Sulphide Rock. Moderate to well mineralized with red-brown sphalerite.							30	
14.7	25.0	S	S	FXB	Banded qtz-musc. schist							0-30	
25.0	25.1	S	S	QZW	WHITE BULL QZW								
25.1	29.5	S	S	OB	Sulphide Rock. High grade Sp with Ga over basal 30 cm. Base has a 1 cm wide Cp vein in contact with schists. Core axis angles to S_2 are @ higher angle than in adjacent schists.							45-60	
29.5	43.2	S	G	FXB	Banded qtz-musc. schist.							0-30	
31.6	34.5	S	S	FLT	Broken zone with minor gouge @ low angle to c/a.								
42.3	42.4	S	S	FLT	GOUGE ZONE 20 cm wide.								
43.2	45.2	G	S	ATS	Altered Schists. Green & Black chlorite altered qtz musc. schists. Pyrite present as grains + bands. Cp present as local thin veinlets with Po between 43.5 – 43.9 and minor Sp. Strong S_2 banding. Black chlorite could be SA or Fy unit.	Tr-20	Tr-5	Tr-4		Tr-2		20-30	
45.2	53.1	S	S	OB	Sulphide Rock. Excellent OB. Baritic between 48.5 – 51.1							20	
53.1	60.9	S	S	OM	Magnetite Bearing sulphide rock. Linear S // magnetite trains typical. Generally good grade with weaker grade more pyritic section between 59.4 – 60.9							20	

HOLE # 95-168

SUMMARY LOG:

Hole was drilled down-dip towards a reverse circulation site. 92.1 m of sulfide rock was cored in 5 intervals. Foliation to core axis angles range from zero to 50° & are typically 20-25° to core axis.

DRILLING SUMMARY:

Circulation lost @ 24.4 m

Downhole Surveys

Meterage	Dip	Azimuth
22.9	45	011
53.3	45.5	017
78.3	46	008
102.1	47	356
126.8	47	010
152.4	48	013
170.7	48	014

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
0	9.8	OVB	105.7	113.2	OB														
9.8	13.7	FZXB	113.2	120.2	OA														
13.7	14.7	OB	120.2	120.9	QZVN														
14.7	25.0	FZXB	120.9	142.3	OB														
25.0	25.1	QZVN	142.3	146.3	OAG1														
25.1	29.5	OB	146.3	147.6	OB														
29.5	43.2	FZXB	147.6	148.9	OA														
31.6	34.5	FLT	148.9	154.6	OB														
42.3	42.4	FLT	154.6	171.0	FZXB														
43.2	45.2	ATS	EOH																
45.2	53.1	OB																	
53.1	60.9	OA																	
60.9	73.0	OB																	
61.3	61.9	FLT																	
73.0	75.0	FZXB																	
75.0	76.5	QZVN																	
76.5	78.5	FZXB																	
78.5	86.9	FZXB																	
86.9	96.9	OB																	
96.9	98.1	QZVN																	
98.1	99.6	FZ																	
99.6	101.5	QZVN																	
101.5	105.7	ATW																	

Hole # 95-168	Log By:	Easting:	Commenced			Recovery	Length	Core Size	Card No. 2 of 3
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S
60.9	73.0	S	S	OB	Sulphide Rock.								
61.3	61.9	S	S	FLT?	Broken fragmented interval between 61.3-61.9 with calcite veined fractures. Loose & cubbly.							0-25	
					Baritic between 63.8 – 73.0, Tr – 15%								
73.0	75.0	S	S	FZXB	Yellow - green - qtz - muscovite schist. Small folds common.							25-50	
75.0	76.5	S	S	QZVN	WHITE BULL QZVN.								
76.5	78.5	S	S	FZXB	Qtz - mus. schist. As in 73.0-75.0								
78.5	86.9	S	G	FZXR	QTZ Ribboned & Banded qtz-mus. schist. Dense siliceous stringers present. Notably between 85.4 - 86.9. Lower ½ metre has heavily disseminated sulphides & sulphide bands to 1 cm wide (OI)						0-90	25-30	
86.9	96.9	G	S	OB	Sulphide Rock. Excellent OB. High grade Sp.							5-20	
96.9	98.1	S	S	QZVN	WHITE BULL QZVN WITH CALCITE & Local Sulphide cbt.								
98.1	99.6	S	S	FZ	QTZ-MUS. SCHIST.							0-20	
99.6	101.5	S	S_{20}	QZVN	WHITE BULL QTZ WITH SCHIST FRAGMENTS. Veins X-cut schistosity.								
101.5	105.7	S	S	ATW	FZ with trace to 4% dark green chlorite grade s								

Hole # 95-168	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No 3 of 3
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
105.7	113.2	S	G	OB	Sulphide Rock. Trace Magnetite Locally, low silica / EO_3 / SO_4 gangue.							0-30	
113.2	120.2	G	S	OA	Mt. bearing Sulphide rock.							20-30	
120.2	120.9	S	S	QZVN	WHITE BULL QZVN. with chlorite clots @ margins								
120.9	142.3	S	G	OB	Sulphide Rock. with barite.								
142.3	146.3	G	G	OAG	OA with 1-2 % Cpy								
146.3	147.6	G	G	OB	SR. with Barite.							20-30	
147.6	148.9	G	G	OA									
148.9	154.6	G	S	OB	SR with barite								
154.6	171.0	S	—	FZxB								20-30	

Hole #	KZK-95-169	Log By:	HCS	Easting:	4650E	Commenced	24	08	95	Recovery		Length	157.0m	Core Size	HQ	Card No	1	of	3
Stick up:	0.3	Collar Elevation :		Northing:	5350	Completed	26	08	95	Collar Dip	-45	Azimuth	000	Assays?	NONE	Coded?	✓	Geores?	

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KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1 = S2	S3
0	9.1	–	–	OVB	OVERBURDEN							
9.1	18.2	–	S	FZXR	Quartz ribboned + banded to thin laminated qtz - muscovite schist. Light yellow-green muscovite. Red-brown Sphalerite with Pyrite is present with light grey quartz in thin bands ranging from 0.5 - 3 cm + exhibit a distinct bedded character. D_3 crenulation cleavage very distinctive throughout. 10 cm qtz vein @ base of interval						0-35
18.2	31.0	S	G	OB	Sulphide Rock Fine Buckshotty sulphides with Red-brown Sphalerite. Barite btwn 18.2 - 21.9.						10-30	
31.0	32.1	G	G	OA	Mt bearing Sulphide Rock Weak disseminated Mt with local Mt rich laminae ("trains")						10-20	
32.1	48.2	G	S	OB	Sulphide Rock. Very well mineralized, locally baritic OB.						0-20	
48.2	73.1	S	S	ATM	Altered felsic ash tuffs & lapilli tuffs. Sequence of variably Feldspar and carbonate altered Tuffs/qtz mus. schists locally crosscut by late quartz veins. Feldspars can be coarse, x'talline commonly follow bedding and vary from pink to white. Several intervals are quite sulphidic & can carry Trace to several % Sp ± Cp. over narrow intervals. Carbonate content varies from nil to 15 %.						10-30	
48.7	49.2	S	S	QZVN		Tr-10	Tr-4	Tr-2		Tr-4		
53.7	53.8	S	S	QZVN								
54.2	54.3	S	S	QZVN.								
68.7	69.7	S	S	FLT_{30}	FAULT. Fragmented broken zone with minor gouge							
73.1	82.5	S	S	ATS	As in overlying ATM interval. Feldspars locally pegmatitoid. Dark green chlorite common. 10 cm Cp ± Po band @ 80.9-81.0 preceded by 40 cm interval with 7-8 % Zn in qtz-Sp-Cbx groundmass with graphitic texture.						20-30	
71.8	73.2	S	S	QZVN								

HOLE # 95-169

SUMMARY LOG:

Hole 95-169 was drilled down dip, twinning a reverse circulation drill site. 73.4 m of sulphide rock was cored in 6 intervals. Chlorite, carbonate, & feldspar alteration is common. Foliation to core axis angles range from 0° to 50° and are typically @ 20° to core axis.

DRILLING SUMMARY: 12 bags gel (bentonite) used. 2 mistatches with 5' of sulphides ground @ .

Downhole Surveys

Meterage	Dip	Azimuth
16.8	45	013
38.1	45	001
65.5	45	010
96.0	46	358
126.5	46	354
157.0	48	013

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
0	9.1	OVB	113.4	129.3	OB														
9.1	18.2	FzxR	129.3	132.0	OAG														
18.2	31.0	OB	132.0	133.4	OB														
31.0	32.1	OA	133.4	134.0	OAG														
32.1	48.2	OB	134.0	134.5	OGA														
48.2	73.1	ATM	134.5	140.7	OB														
48.7	49.2	QZVN	140.7	157.0	FzxR.														
53.7	53.8	QZVN																	
54.2	54.3	QZVN	EOH																
68.7	69.7	FLT																	
73.1	82.5	ATS																	
72.8	73.2	QZVN																	
76.5	77.2	QZVN																	
82.5	87.5	OA																	
87.5	90.8	ATS																	
90.8	91.4	OB																	
91.4	93.7	ATS																	
93.35	93.65	QZVN																	
93.7	103.6	OB																	
101.7	102.1	FLT																	
102.6	107.9	FT/FzxF																	
107.4	108.6	OJ																	
108.6	109.3	OB																	
109.3	113.4	OJ																	

Hole # KZK-95-169	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No 2 of 3
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters From	Meters To	Contact T	Contact B	Geores Code	Cominco KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S
76.5	77.2	S	S	QZVN.									
82.5	87.5	S	S	OA	Sulphide Rock with Mt. Coarse recrystallized Upper contact + basal 2.5 m. Basal 2.5 m included by numerous thin qtz veins commonly with coarse patch Cp @ margins. High Po content (10-15%)							0-20	
87.5	90.8	S	S	ATS.	As in ATS above.								
90.8	91.4	S	S	OB	Sulphide Rock.								
91.4	93.7	S	S	ATS	As in ATS above. 30 cm wide qtz vein @ base.							20-30	
93.35	93.65	S	S	QZVN.									
93.7	103.6	S	U	OB	Sulphide Rock. Core is blocky.							0-20	
					Milled/Durchbewegung texture between 101.2 - 101.7.								
101.7	102.1	S	S	FLT	GOUGE comprising qtz-musc. + sulphides.								
103.6	107.4	U	G	FT/FZXF	Felsic lapilli tuffs? Light green yellow qtz muscovite schists.								
107.4	108.6	G	G	OJ	Semi-massive sulphides in qtz-musc.-fsp-CO_3 groundmass.								
108.6	109.3	G	G	OB	SR.								
109.3	113.4	G	G	OJ	As in 107.4 - 108.6								
113.4	129.3	G	S	OB	Sulphide Rock, Locally baritic.							10-20	
129.3	132.0	S	S	OAG	Cp rich 0.5 - 2% Mt bearing SR.								

Hole # 95-169	Log By:	Easting:	Commenced		Recovery	Length	Core Size	Card No 3 of 3	
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded?	Geores?

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KUDZ ZE KAYAH DRILL RECORD

Meters		Contact		Geores		Sulphides %					Dip		
From	To	T	B	Code		Py	Po	Cp	Ga	Sp	S1	S2	S3
132.0	133.4	S	G	OB	Basitic locally							0-20	
133.4	134.0	G	S	OAG									
134.0	134.5	S	S	OGA	2 to 10 % Cu								
134.5	140.7	S	S	OB	Basitic locally								
140.7	157.0	S	—	FZR	Tr to 2% Sp locally as disseminations + wispy stringers.								
					END OF HOLE								

Hole # 95-170	Log By: TCS	Easting: 7150E	Commenced 26 08 95	Recovery	Length 442.0	Core Size HQ/NQ	Card No 1 of 12
Stick up:	Collar Elevation : 1630m	Northing: 5100N	Completed 01 09 95	Collar Dip -90	Azimuth 0	Assays? Wide RX	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
0	8.8	-	-	OVB	Overburden and Casing								
8.8	9.1	-	G	FTA	Small interval of felsic to intermediate Tuff. Oxidization of sulphides has turned core orange. Sulphides in veinlets and disseminated	Tr							
9.1	19.1	G	S	SA	Dark black Argillite, Strong foliation parallel to bedding. Carbonate bands/beds up to 20%. Core broken along bedding planes and abundant broken core with gouge 12.0 - 12.9								
12.0	12.9			FLT	Poor to no conductivity. Sulphides in foliation								
12.7	12.9	gouge		Zone	Minor interbeds of Muscovite-Chlorite Schist @ 14.7-14.8								
19.1	22.6	S	G	FTL	Intermediate tuff to lapilli tuff. Quartz-muscovite-chlorite-biotite schist with elongate quartz + feldspar subangular clasts. Fine to coarse grained top of section to bottom of section minor calcite								
22.6	23.7	G	G	SA	As previous								
23.7	33.6	G	G	MTA	Mafic to intermediate thin bedded to massive thick tuffs with thin intercallations of argillites. Calcite bands up to 5mm wide in abundance of 10% most prominent in bedded sections. Minor Sulphides. Argillites and mafic tuffs suggest periodic eruptions ± turbidites and quiesence.	tr	tr				90	70	
33.6	36.0	G	U	SA	As previous with minor intercalations of mafic tuffs. Fault gouge in section								
35.3	35.5			FLT									
35.8	36.0			FLT									
36.0	41.0	U	S	FTA	Felsic to intermediate massive to poorly bedded tuffs. Dominantly a Muscovite-Quartz Schist ± biotite as bands or 5-10% disseminations. Possible massive flow with hyaloclastic nature								
41.0	44.0	S	S	FF	Dacitic felsic flow. Massive with <1mm amygdules and disseminated Sulphide. Small fractures <1 to 3mm wide filled with carbonate (10° to core axis) Minor potassic alteration in last 20 cm.	tr						70	

HOLE # 95-170

SUMMARY LOG: Hole was collared in minor Felsic tuffs @ 8.8 m. From 9.1 to 168.0 the section is argillite (dirty Quartzite and graphitic) and mafic tuffs. Felsic Volcanics were intersected @ 168.0 and dominated the section to 383.1. From 383.1 to EOH both mafic Volcanics and Felsic Volcanics occur. Biotite becomes the dominant metamorphic mineral from 394.5 to EOH suggesting an increase in metamorphic gradient.

~~DRILLING SUMMARY~~: No Mineralization and no distict Alteration was recognized in the hole

Downhole Surveys

Meterage	Dip	Azimuth
30.5	89	124
61.0	87.5	118
91.4	86	131
122.3	85	[illegible]
152.7	83.3	154
192.0	80	138
250.2	78.5	51
259.0	78	151
350.5	74	168
442.0	73	168

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
0	8.8	OUB	73.5	74.7	MUX4														
8.8	9.1	FTA	74.7	79.8	FW														
9.1	19.1	SA	79.8	99.9	SA														
12.7	12.9	FLT	87.6	88.9	FLT														
19.1	22.6	FTL	99.9	104.4	MT														
22.6	23.7	SA	104.4	108.0	SA														
23.7	33.6	MTA	108.0	115.0	MTA														
33.6	36.0	SA	115.0	115.7	QZVN														
35.3	35.5	FLT	115.7	126.6	MTA														
35.8	36.0	FLT	126.6	129.1	MTXH														
36.0	41.0	FTA	129.1	146.6	SW														
41.0	44.0	FF	146.6	163.0	SA														
44.0	47.0	SA	163.0	165.0	FTA														
47.0	49.1	MTA	165.0	165.2	QZVN														
49.1	52.8	FTA	165.2	168.0	SA														
52.8	57.8	MD	168.0	168.1	FLT														
57.8	58.2	FF	168.0	169.5	FZXB														
58.2	58.8	MD	169.5	171.3	SA														
58.8	59.2	MT	171.3	174.8	QZVN														
59.2	60.7	MD	174.8	176.5	FZXB														
60.7	62.8	MT	176.5	180.1	SA														
62.8	64.3	MD	180.1	180.7	QZVN														
64.3	65.4	MVX4	180.7	187.7	SA														
65.4	65.9	MWX4	187.7	188.1	QZVN														
65.9	73.5	MU	continued [illegible]		2														

Hole # 95-170	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size HQ/NQ	Card No 2 of 12
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
44.0	47.0	S	G	SA	As previous Calcite banded, Minor concentration of py @ 45.0 ⇒ poor Conductivity.	2%							
47.0	49.1	G	S	MTA	Chlorite - Sericite Schist with massive fragmental texture. Poorly graded tuff							Xa	
49.1	52.8	S	S	FTA	Felsic to intermediate tuff. weak normal grading towards top. Variable biotite content usually <5% with 50% biotite @ 50.5 to 52.8 possibly crystal tuff Quartz vein 50.4 to 50.5								
52.8	57.8	S	S	MD	Biotite - chlorite Sericite Schist; Dyke/Sill massive Uniform texture no bedding Abundant Calcite throughout (mafic flow?)								
57.8	58.2	S	S	FF	Fine grained quartz - Sericite schist with biotite porphyroblasts to 5%. A few fractures <1mm wide with pyrite	tr							
58.2	58.8	S	S	MD	As previous								
58.8	59.2	S	S	MT	Chlorite - biotite - sericite Schists with apparent bedding planes Possibly cooked by surrounding Sill/Dyke								
59.2	60.7	S	S	MD	As previous with Stoped fragments of the mafic tuffs								
60.7	62.8	S	G	MT	As previous								
62.8	64.3	G	G	MD?	Sericite chlorite - biotite Schist, massive with no apparent bedding possibly a dyke or thick volcaniclastic flow. Not as homogeneous as previous								
64.3	65.4	G	S	MVX4	Banded/bedded Chlorite-Sericite - chlorite Schist with local biotite porphyroblasts. possible tuff but not well preserved.								
65.4	65.9	S	S	MWX4	Sericite - chlorite - Calcite Schist with biotite porphyroblast 15-20%. Bio Coarse grained in center, fine grained at edges Suggests Dyke. Calcite is <2%.								

HOLE # 95-170

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
188.1	194.0	FEXB	258	260.6	FTL4														
192.5	192.7	FLT	260.6	276.3	FTL														
193.3	193.5	FLT	276.3	303.8	FTLO														
194.0	196.0	QZVN	303.4	304.1	FLT														
196.0	197.5	FEXR	303.8	306.4	FTA														
197.5	198.9	FTA	306.4	307.2	FTL														
198.9	213.0	FTL	[illegible]	310.4	FTA														
213.0	215.2	MD	313.4	[illegible]	FTL														
215.2	217.4	FTL	312.0	315.1	FTA														
217.4	219.8	FTA	315.1	317.2	FTL														
219.8	221.3	FTL	317.2	317.7	FLT														
221.3	224.0	FTA	319.0	320.7	FLT														
224.0	226.6	FTAB	317.2	324.4	FTA														
226.6	230.6	FTL	324.4	324.6	MN														
230.6	232.0	FTA	324.6	324.8	FTA														
232.0	234.6	FTL	324.8	325.6	MN														
234.6	235.2	MD	325.6	325.9	FTA														
235.2	242.0	FTL	325.9	326.3	FTL														
242.0	245.8	MD	326.3	326.7	SQ														
245.8	247.2	FTL	326.7	327.1	FLT														
247.2	249.3	FTA	326.7	328.5	FTL														
249.3	253.1	FTL	328.5	329.0	FTA														
253.1	254.4	FTA	329.5	334.0	FTL														
254.4	255.6	QZVN	334.0	334.6	FTLA														
255.6	258.8	MD	334.6	335.3	FTL														

continued Core 3

Hole # 95-170	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size NQ/HQ	Card No 3 of 12
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georeas?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
65.9	73.5	S	G	MU	Chlorite Calcite Schist, banded mineral segregations local 3-5cm concentrations of 70-100% biotite. banding is disrupted in some locations suggesting primary slumping or secondary shear.								
73.5	74.7	G	G	MUX4	Chlorite calcite Schist with biotite porphyroblasts Similar to previous but dominantly chlorite and poor banding							65	
74.7	79.8	G	S	FW	Quartz-Sericite-calcite Schist, weak banding, strong foliation with biotite porphyroblasts 3-5%. possible sheared out tuff							65	
79.8	99.9	S	S	SA	Argillite with calcite bands, weak to not conductive. Apparent remenant bedding sheared into foliation Strongest conductivity (off scale) on foliation planes from 79.8 to 99.9m							70	
88.6	88.9			FLT	Fault gouge, abundant core breakage								
99.9	104.4	S	G	MTL/MU	Chlorite-calcite schist with apparent bedding and fine grained tuff fragments. No apparent grading. A few qtz-dolomite veins with minor pyrrhotite @ 100.9 to 101.3, 101.8 to 101.85, 102.8 to 102.8		Tr						
104.4	108.0	G	S	SA	As previous but much higher graphite content, Strong conductivity across core and along foliation plane "pencil ore".								
108.0	115.0	S	S	MTA/MTL	Chlorite ± Sericite ± Quartz Schist, Apparent bedding planes and ash through lapilli size fragments, No Apparent grading. Massive to schistose throughout Minor patches of Sulphide		Tr					75	
115.0	115.7	S	S	QZVN	Bull Quartz Vein								

HOLE # 95-170

SUMMARY LOG:

DRILLING SUMMARY:

Downhole Surveys		
Meterage	Dip	Azimuth

Geores Codes			Geores Codes			Reactivity with HCl			Assays Job #										
From	To	Code	From	To	Code	From	To	Code	From	To	Sample No.	Meterage	Cu %	Pb %	Zn %	Ag ppb	Ag g/T	Au ppb	Au g/T
335.3	336.8	FTA	402.2	403.3	FTA4														
336.8	343.1	FTL4	403.3	403.7	MD														
343.1	346.2	FTA4	403.7	411.4	FTA4														
346.2	347.8	FTL	411.4	411.6	Q2UN														
347.8	356.2	FTL4	411.6	413.0	FTA4														
356.2	356.9	MN	413.0	413.8	FTL4														
356.9	361.8	FTL4	413.8	415.1	MN														
361.8	377.0	FTA4	415.1	417.6	FTA														
377.0	378.4	FTL4	417.6	418.1	MD														
378.4	381.5	FTA	418.1	418.4	FTA														
381.5	383.1	FTA4	418.4	421.8	FTL4														
383.1	385.1	MO	421.8	422.4	MD														
385.1	386.1	MU	422.4	428.9	FTL4														
386.1	387.4	Q2UN	428.9	432.3	MUM														
387.4	388.7	MO	432.3	434.8	FTL4														
388.7	389.4	MU	434.8	438.3	FTA														
389.4	391.8	MN	438.3	439.9	FTL4														
391.8	392.6	FXXF	439.9	442.0	FTA4														
392.6	392.9	MN																	
392.9	393.4	FXXF																	
393.4	394.5	MN																	
394.5	399.0	FTA4																	
399.0	399.5	FTL4																	
399.5	402.0	FTA4																	
402.0	402.8	Q2UN																	

Hole # 95-170	Log By: TCS	Easting:	Commenced			Recovery	Length	Core Size HQ/NQ	Card No 9 of 12
Stick up:	Collar Elevation :	Northing:	Completed			Collar Dip	Azimuth	Assays?	Coded?	Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
115.7	1266	S	G	MTA	As previous, continuation								
1266	129.1	G	G	MTXH	Silicification of the Mafic tuff Section grades from previous with fracture zones of deep penetrating Silicification. Indication of fluid movement. Not felsic tuffs.								
129.1	1466	G	G	SW/MT/SA	Interbeds of Mafic, Intermediate and Argillaceous Rocks Bedded With quick changing compositions A few thicker sequences of SA follows V 134.7 - 135.1 SA ← Moderate Conductivity 137.7 - 138.0 SA ← Strong Conductivity. Some Sections are slightly more Sericitic, but no good Felsic Volcanics in Section. Only minor Sulphides Becomes dominantly Argillite at end.								
1466	1630	G	G	SA	Argillite; well bedded with calcite rich interbeds. Section tends to be very quartz rich indicating a lower mud/organic content. No to very poor conductivity. Sulphides in bedding planes 1-3mm thick and remobilized in late cross cutting fractures. Minor beds of Quartz-sericite Schists in Section (felsic tuffs?)	tr-3%						45	
163.0	165.0	G	S	FTA	Felsic tuff with occassional lapilli fragments Section is massive to poorly bedded Numerous <1cm quartz bands (diagenetic feature?) @ Generally a Quartz-sericite schist								
165.0	165.2	S	S	QZVN	Quartz carbonate Vein.								
165.2	1680	S	S	SA	As previous, high Quartz content.	tr-1							
1680	168.1			FLT	Fault gouge.								

Hole # 95-170	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No. 5 of 12
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georeс?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georeс Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
168.0	169.5	S	S	FZXB (FF?)	Quartz - Sericite Schist with several small quartz veins cross cutting section. Well banded with disrupted bands by folding + faulting on small scale. Section ends in Quartz Possibly an SA altered by abundant fluid movement								
169.5	171.3	S	S	SA	Argillite well bedded with broken beds faulting produced? large laminae of pyrite in several areas 0.5 x 5 cm. Moderate to strong Conductivity	tr local = 5%							
171.3	174.8	S	G	QZVN	Bull quartz + Carbonate vein. Contains fragments of Quartz-sericite ... last 30 cm								
174.8	176.5	G	G	FZXB	Quartz-Sericite Schist with interuptions by Quartz-Carbonate veins. Suspect this may be an altered argillite caused during the veining.								
176.5	180.1	G	G	SA	As previous with several small Quartz-Carbonate "veins" Some Sericitization, around the veins	tr						50	
180.1													
180.1	180.7	G	S	QZVN	Quartz-Carbonate Vein with pieces of SA.								
180.7	187.7	S	S	SA	AS previous	tr						50	
187.7	188.1	S	S	QZVN	AS previous. Abundant biotite at edges of vein plus Kspar in vein "Jotassic alteration".								
188.1	194.0	S	S	FZXB	Quartz-Sericite Schist with banded texture. May be a intermediate tuff or altered SA as with previous. There are zones of SA in this section and several small Quartz veins.								
192.5	192.7			FLT	gouge and broken core								
193.3	193.5			FLT	gouge and broken core.								
194.0	196.0	S	S	QZVN	Quartz vein with Carbonate, occassional QTZ-Sericite fragment and traces of Sulphide		tr						

Hole # 95-170	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size NQ	Card No 6 of 12
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
176.0	197.5	S	S	FZxR SA	Quartz-Sericite Schist with interbeds of Argillite and Small Quartz Veins. Possible interbeds of felsic tuff debris with mudstone (SA). Section ends with a 10cm QRUN.								
197.5	198.9	S	S	FTA	felsic to intermediate tuff massive poor Sorting. Disseminated Py	Tr						70	
198.9	213.0	S	S	FTL	Fine to medium grained lapilli tuff, felsic to intermediate with 1-5% blue quartz eyes. lapilli are angular 2x2 to 3x10 mm long axis in foliation. Volcaniclastic Debris Flows. Appear to be several flows with contacts eg 197.5 Top, 207.9 base, 212.95 base? } Sharpest Contacts possibly Others							70	
213.0	215.2	S	S	MD/MN	Lamprophyre?; Biotite-calcite Schist, Sharp contacts with Chilled margines on both ends indicates dyke/sill contact parallel to foliation								
215.2	217.4	S	S	FTL	As previous lapilli tend to be Coarse grained up to 3x10 mm Angular							70	
217.4	219.8	S	G	FTA	felsic tuff with a fine grained chloritic matrix. Dominantly a Quartz-Sericite Schist, 2-5% blue quartz eyes. 1xm mm							65	
219.8	221.3	G	G	FTL	Fine grained felsic lapilli tuff. Lapilli 2-5mm max cross section.							65	
221.3	224.0	G	S	FTA	As previous								
224.0	226.6	S	S	FTA/B/FTC	Interbeds 10-20 cm of felsic tuffs and lapilli tuffs suggestive of small debris flows							70	
226.6	230.6	S	S	FTL	Coarse grained lapilli tuff. Quartz-Sericite Schist with 2-5% biotite pph. Some 2-5 cm tuff/ash sections suggest several debris flows. Fragments are Angular Shard like (Hyaloclastite debris) Monocline @ 228.5 to 229.0.								

Hole # 97-170	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size	Card No 7 of 12
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
230.6	232.0	S	S	FTA	Felsic Tuff; fine grained Sericite-Quartz ± chlorite ± biotite ppy. Schist. Monocline @ 231.3 to 231.6, well foliated							80	
232.0	234.6	S	S	FTL	Coarse grained Lapilli tuff As previous. Fine Sulphide disseminations in plane of foliation, Possible multiple debris Flows.	Tr-1						80	
234.6	235.2	S	S	MD	Biotite-calcite dyke lamprophyr? Apparent Chil contacts								
235.2	242.0	S	S	FTL	As previous, Apparent Normal grading in last 1m, Top to top of Hole.								
242.0	245.8	S	S	MD	Biotite-Calcite dyke, lamprophyr?								
245.8	247.2	S	G	FTL	Lapilli tuff, high matrix content; Matrix Quartz-Sericite with biotite porphyroblasts. Lapilli 3x5 mm to 2x4 mm Angular							80	
247.2	249.3	G	G	FTA	Felsic to intermediate, massive to poor bedded tuff. Contact with lower over 2 cm. Top of one debris flow, base is next unit.								
249.3	253.1	G	G	FTL	As previous, Unsorted.								
253.1	254.4	G	S	FTA	Altered Tuff? Quartz+sericite Surrounded by Biotite+sericite with traces of pyrite. Similar to Hanging wall FTOM (sk on some logs) Alteration. Traces of Calcite and occasional qtz rich lapilli. Minor QZVN @ 253.35-253.4,							85	
254.4	255.6	S	S	QZVN	Bull Quartz with dolomite and Sericite Gangue.								
255.6	258.8	S	S	MD	Biotite calcite dyke, rotated and Fe-depleted near Quartz Vein. Several small sections of QZVN @ 255.9 to 256.2 256.5 to 256.7 258.4 to 258.7 Quartz Vein represents dilation produced by fault movement which has rotated and mineral segregated the dyke.								

Hole # 95-170	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size NQ	Card No. 8 of 12
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code	Description	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	Dip S2	S
258.8	260.6	S	G	FTL4	Felsic lapilli tuff with fe enrichment producing Biotite matrix over Sericite Quartz - biotite - Sericite schist.							85	
260.6	276.3	G	S	FTL	Felsic lapilli tuff, Angular fragments elongate in foliation, Quartz - Sericite matrix, occassional biotite ppy, trace calcite, Most biotite Concentrated near previous biotite rich section							80-85	
276.3	303.8	S	S	FTLO	Felsic lapilli tuff with Chlorite dominant matrix, medium grey, mineral banding and lapilli fragments. Strong foliation, traces of calcite. Occassional Shott band 5 - 15cm of less chloritic material. Chlorite either indicates a more intermediate composition or Chloritic alteration. Blue quartz eyes present throughout in abundances of 1 - 5%. Most abundant in last 2 m of section Biotite rich sections @ 283.0 to 283.5 295.7 to 296.1							80	
303.4	304.1	-	-	FLT	Sheared core and gouge.								
303.8	306.4	S	G	FTA	Felsic Tuff; Quartz-Sericite Schist, massive poorly Sorted with occassional lapilli } one Flow							85-90	
306.4	307.2	G	S	FTL	Felsic lapilli Tuff with a quartz Sericite matrix. Base of debris Flow? } one Flow								
307.2	310.4	S	G	FTA	As previous with occassional biotite ppy. } one Flow								
310.4	312.2	G	S	FTL	Felsic lapilli Tuff as previous, base of a debris flow } one Flow								
312.2	313.9	S	G	FTA	As previous } one Flow								
313.9	317.2	G	S	FTL	As previous } one Flow								

Hole #	85-170	Log By:	TCS	Easting:	Commenced			Recovery	Length	Core Size	NQ	Card No.	9	of 12
Stick up:		Collar Elevation :		Northing:	Completed			Collar Dip	Azimuth	Assays?		Coded?		Geores?

Meters		Contact		Geores	KUDZ ZE KAYAH DRILL RECORD	Sulphides %					Dip		
From	To	T	B	Code		Py	Po	Cp	Ga	Sp	S1	S2	S3
317.2	317.7			FLT	Fault Gouge								
319.0	320.7			FLT	Fault Gouge, broken Sheared core.								
317.2	324.4	S	U	FTA	Felsic tuff, occassional lapilli fragment, possibly more of a lapilli tuff in Shear areas								
324.4	324.6	U	G	MN	Biotite-Calcite Schist with Sericite + possibly a zone of Fe + potassium alteration by non-unifor texture.								
324.6	324.8	G	G	FTA	Quartz-Sericite Schist, Felsic tuff?								
324.8	325.6	G	G	MN	As previous.								
325.6	325.9	G	G	FTA	Quartz-Sericite Schist, Ash Size particles								
325.9	326.3	G	S	FTL	Felsic lapilli Tuff 30-40% Angular lapilli fragments. } Lobes } Flow								
326.3	326.7	S	U	SQ	Quartzite? Dfg particles, Subrounded with Sandy texture.								
326.7	327.1	-	-	FLT	Sheared Core								
326.7	328.5	U	S	FTL	Felsic lapilli tuff, 30% Angular lapilli.								
328.5	329.5	S	G	FTA	As previous								
329.5	334.0	G	G	FTL	Dominantly a lapilli tuff with a few tuff beds 5-10cm thick. Minor Carbonate								
334.0	334.6	G	G	FTLH	Felsic Cherty lapilli tuff. Banded, large fragments and fragmat dominated giving Cherty look.								
334.6	335.3	G	S	FTL	As previous								
335.3	336.8	S	G	FTA	As previous								

Hole # 95-170	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size NQ	Card No. 10 of 12
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Georeс?

Cominco — KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Georeс Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
~~324~~					THIS Next section of core is the same as previous Felsic Tuffs and lapilli tuffs but contains 3-20% biotite porphyroblasts. Possibly a Regional potassic alteration phase above ore. or an indication of increased metamorphism with depth.								
336.8	343.1	G	G	FTL4	Felsic lapilli tuffs with 3-10% biotite ppy. Ppy are wasan equant. Veinlet of py @ 337.0	Tr							
343.1	346.2	G	G	FTA4	Felsic tuff, <5% lapilli, fine grained Quartz-sericite schist with 5-50% biotite, usually <10%.								
346.2	347.8	G	G	FTL	Felsic lapilli tuff only traces of biotite								
347.8	356.2	G	S	FTL4	As previous, lapilli vary from 15-30%								
356.2	356.9	S	S	MN	Biotite-calcite-sericite Schist possible dyke with the Sharp Contacts								
[illegible]	361.8	S	G	FTL4	As previous, Some sections up to 40% biotite								
361.8	377.0	G	G	FTA4	Dominantly a Felsic tuff with <10% lapilli fragments biotite in abundance of 10% with a few local concentrations >10% Minor Quartz veins, traces of Calcite								
377.0	378.4	G	G	FTL4	As previous								
378.4	381.5	G	G	FTA	Felsic-intermediate tuff with ash size particles <1% biotite								
381.5	383.1	G	G	FTA4	As previous ~~tuff~~ but ~5-7% biotite ppy								
383.1	385.1	G	G	MD	Chlorite-Calcite-biotite Schist, biotite 5-20%. Calcite + Quartz in bands								
385.1	386.1	G	S	MD	Chlorite-Calcite Schist, traces of biotite, calcite disseminated and in <1x1 mm fragments; possible Mafic Tuff.								
386.1	387.4	S	S	QZVN	Quartz vein with mafic(chloritic) gangue and banding @ 386.2-386.4. Possible Cherty unit or Silicification of a bedded Mafic tuff.								

Hole # 95-170	Log By: TCS	Easting:	Commenced				Recovery	Length	Core Size NQ	Card No 11 of 12
Stick up:	Collar Elevation :	Northing:	Completed	Sept	1	95	Collar Dip	Azimuth	Assays?	Coded? Geores?

KUDZ ZE KAYAH DRILL RECORD

Meters From	Meters To	Contact T	Contact B	Geores Code		Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
388.4	388.7	S	G	MD	As previous								
388.7	389.4	G	S	MD	As previous						≈ 80°		
389.4	391.8	S	S	MN mD?	Biotite - calcite - chlorite schist 60-70% biotite, carbonate matrix Possible dyke								
391.8	392.6	S	S	FXF	Quartz - sericite biotite schist possible lapilli fragments suggest lapilli tuff poorly preserved biotite 3-5%								
392.6	392.9	S	S	MN	As previous, 5% chlorite								
392.9	393.4	S	G	FXF	As previous but biotite 5-15%								
393.4	394.5	G	S	MN	As previous with 5-15% chlorite								
394.5	399.0	G	S	FTA4	Felsic to intermediate ash tuff with thin interbeds of MN @ 397.3 - 397.7; Tuff is dominantly Sericite - Quartz schist, 0-2% chlorite and 3-10% biotite ppy.								J
399.0	399.5	S	S	FTL4	Felsic to intermediate lapilli tuff, 2% biotite ppy.								
399.5	402.0	S	S	FTA4	As previous thick sections of ash tuff with 3-10% biotite, usually <5%. 0-2% chlorite, traces of calcite								
402.0	402.2	S	S	QZVN	Quartz carbonate vein with traces of biotite								
402.2	403.3	S	S	FTA4	As previous								
403.3	403.7	S	S	MD MN	Sharp contacts suggest this biotite - calcite schist is a dyke								
403.7	411.4	S	S	FTA4	As previous								
411.4	411.6	S	S	QZVN	Quartz carbonate vein								
411.6	413.0	S	S	FTA4	As previous, ending in a disturbed set of beds, primary?								

Hole # 95-170	Log By: TCS	Easting:	Commenced		Recovery	Length	Core Size NQ	Card No. 12 of 12
Stick up:	Collar Elevation :	Northing:	Completed		Collar Dip	Azimuth	Assays?	Coded? Geores?

Meters From	Meters To	Contact T	Contact B	Geores Code	KUDZ ZE KAYAH DRILL RECORD	Sulphides % Py	Po	Cp	Ga	Sp	Dip S1	S2	S3
413.0	413.8	S	S	FTL4	Felsic lapilli tuff, Angular fragments 3-15 mm, 2% biotite ppy							70	
413.8	415.1	S	G	MN	Biotite-chlorite-calcite Schist, banded with segregated minerals Quartz bands present at end, small quartz veins	TR						50-65	
415.1	417.6	G	S	FTA	Felsic tuff, Quartz-sericite Schist with minor biotite.								
417.6	418.1	S	S	MD	Biotite - Calcite dyke								
418.1	418.4	S	S	FTA	As previous								
418.4	421.8	S	S	FTL4	Felsic lapilli tuff with Angular clasts 1x5 to 3x15 mm biotite 3-5%							50	
421.8	422.4	S	S	MD	As previous								
422.4	428.9	S	S	FTL4	As previous, biotite 1-15% increasing in content down hole. lapilli Vary from 10-70% generally 50%.							50-80	
428.9	432.3	S	S	MDFT	Chlorite-Calcite Schist with biotite ppy. biotite 0-15% generally 15%. possible tuffs or slight composition variation. This is not texturally like ore shutdown mixy							80-85	
432.3	434.8	S	S	FTL4	As previous							85	
434.8	438.3	S	S	FTA?	Sericite Schist with 20% biotite porphyroblasts minor calcite and local chlorite concentrations up to 5%								
438.3	439.9	S	S	FTL4	As previous, variable biotite content 3-15% suggests more than one lapilli								
439.9	442.0	S	EOH	FTA4	Felsic tuff, <10% visible lapilli, biotite 3% Quartz-Sericite Schist							85	

APPENDIX 'E'

GEOCHEMISTRY

LAB NO	FIELD NUMBER	DRILL INTERVAL from	(metres) to	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t
R9506393	DDH95-75	32.30	33.70	7250	E15900	E78000	E186.5	1826	5	41.3	0.79	1.67	8.07	207.29	2.358
R9506394	DDH95-75	33.70	34.30	763	1255	1555	23.2	162	5	4.2	0.14	0.13	0.18	22.37	0.226
R9506395	DDH95-75	34.30	35.60	4875	E35850	E91500	E342	1840	5	33.4	0.66	4.03	11.77	401.5	2.602
R9506396	DDH95-75	35.60	36.60	85	371	645	4.3	40	5	2.33					
R9506397	DDH95-75	36.60	38.10	22	64	160	1.3	20	5	2.36					
R9506398	DDH95-76	106.70	108.20	1625	1195	1960	5.3	56	5	2.69					
R9506399	DDH95-76	108.20	109.70	E116500	1185	E10400	E270.5	2800	5	49.5	14.00	0.14	1.10	272.77	3.986
R9506400	DDH95-76	109.70	111.20	E130000	540	E11400	E243.5	2040	5	47.5	14.80	0.06	1.22	255.21	3.221
R9506401	DDH95-76	111.20	112.20	E72500	995	E11400	E161.5	1976	5	47	7.62	0.11	1.19	169.45	2.982
R9506402	DDH95-76	112.20	112.90	E104500	459	E11700	E202	1436	5	49	10.95	0.05	1.15	203.76	2.203
R9506403	DDH95-76	112.90	114.40	552	61	713	2	28	5	4.17					
R9506404	DDH95-76	114.40	115.90	311	456	801	1.3	20	5	1.47					
R9506405	DDH95-76	115.90	118.30	723	5700	E12100	7.3	42	5	3.15					
R9506406	DDH95-76	118.30	119.70	188	762	1905	2.5	20	5	3.15					
R9506407	DDH95-76	119.70	121.40	E38150	616	5450	E110.5	1612	5	24.4	4.53	0.07	0.59	111.10	1.850
R9506408	DDH95-76	121.40	122.20	E65000	477	E67000	E163	3200	5	41.4	7.05	0.06	6.45	179.25	3.839
R9506409	DDH95-76	122.20	123.70	E23750	2730	E81000	E100.5	1120	5	44.9	3.30	0.34	9.75	121.02	1.467
R9506410	DDH95-76	123.70	125.20	4730	E14450	E84000	90.4	412	5	43.2	0.63	1.68	12.64	89.61	0.467
R9506411	DDH95-76	125.20	126.70	3890	E22950	E76000	E162	1634	5	40.7	0.50	2.48	8.47	171.11	1.896
R9506412	DDH95-76	126.70	128.20	2665	E27450	E76500	E216	1924	5	34.1	0.35	2.85	7.89	222.84	1.738
R9506413	DDH95-76	128.20	129.20	1000	E17850	E56500	E162.5	540	5	24	0.13	1.97	4.75	163.53	1.031
R9506414	DDH95-76	129.20	130.20	6350	E41000	E123500	40.4	340	5	31.2	0.75	4.47	13.52	266.10	0.621
R9506415	DDH95-76	130.20	131.70	E14500	550	1985	93.5	192	5	11.4	1.70	0.07	0.25	44.71	0.594
R9506416	DDH95-76	131.70	133.20	E24000	3450	3845	92	782	5	13.1	3.07	0.39	0.46	90.71	0.834
R9506417	DDH95-76	133.20	134.70	263	58	270	1.8	20	5	7.9					
R9506418	DDH95-76	138.00	139.50	57	77	517	.8	<10	5	2.19					
R9506419	DDH95-76	139.50	140.10	4335	E15800	E82500	E176	1244	5	38.1	0.57	1.71	9.27	193.71	1.793
R9506420	DDH95-76	140.10	141.60	1175	2040	7650	15.4	128	5	8.8	0.16	0.20	0.72	15.53	0.158
R9506421	DDH95-76	141.60	143.10	1365	2610	8150	17.3	180	5	9.3	0.18	0.28	0.87	18.56	0.190
R9506422	DDH95-76	143.10	144.60	1285	4335	E13900	20.8	60	5	12.5	0.18	0.44	1.32	20.42	0.137
R9506423	DDH95-76	148.80	149.60	E21550	989	E11750	35	144	5	22.6	2.60	0.12	1.36	35.02	0.290
R9506424	DDH95-76	153.80	155.50	7350	326	E15950	14.4	94	5	19.3	0.85	0.04	1.70	14.40	0.150
R9506425	DDH95-79	11.30	12.80	310	707	2430	2.7	20	5	3.48					
R9506426	DDH95-79	12.80	14.40	5100	E19650	E94500	E147.5	780	5	44.9	0.59	2.08	10.40	147.69	1.120
R9506427	DDH95-79	14.40	15.90	8250	E29050	E70500	E316.5	2000	5	39.3	0.94	2.98	7.39	314.82	2.392
R9506428	DDH95-79	15.90	17.40	167	1630	3050	24.8	144	5	4.18					

KUDZ ZE KAYAH-WD

Job V 95-02

LOT12/DDH105,6,7,8,11

Report date

LAB NO	FIELD NUMBER	DRILL INTERVAL from	(metres) to	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t	Ba(4) ppm
R9508060	DDH 95-105	104.20	105.50	74	56	181	<.4	<10	5	2.27						
R9508061	DDH 95-105	105.50	107.00	E51500	5400	E50500	E188	2800	5	49.3	5.74	0.63	4.59	171.4	4.914	394
R9508062	DDH 95-105	107.00	108.50	2500	E32750	E103000	E182.5	304	5	39.7	0.24	3.42	8.39	179.4	0.566	43
R9508063	DDH 95-105	108.50	110.00	E14900	4105	E57500	56	49.6	5	45.2	1.33	0.41	4.94	57.9	1.344	95
R9508064	DDH 95-105	110.00	111.50	5950	1530	E27850	28.3	484	5	47	0.55	0.17	2.32	29.1	0.461	46
R9508065	DDH 95-105	111.50	113.00	4090	1705	E20700	25.6	240	5	44	0.41	0.18	1.79	26.0	0.441	18
R9508066	DDH 95-105	113.00	114.50	4830	5750	E97000	77.6	380	5	45.6	0.47	0.62	7.75	73.9	0.570	29
R9508067	DDH 95-105	114.50	115.70	E68000	3310	E35550	E223	1660	5	40.5	6.88	0.06	3.05	221.2	2.611	1532
R9508068	DDH 95-105	115.70	117.60	E17400	1520	6600	71.3	432	5	18.5	1.65	0.15	0.55	72.2	0.649	3027
R9508069	DDH 95-105	117.60	119.10	5950	6950	E76500	59.3	468	5	40.1	0.61	0.70	6.97	58.81	0.759	262
R9508070	DDH 95-105	119.10	120.60	3130	E10650	E78000	E113	1740	5	40	0.34	1.20	6.68	111.3	1.720	90
R9508071	DDH 95-105	120.60	122.10	4235	E10750	E84500	E144	2000	5	44.2	0.40	1.06	6.74	133.7	1.854	39
R9508072	DDH 95-105	122.10	123.60	3075	E26350	E141000	E160	1340	5	39.8	0.30	2.51	11.15	147.5	1.765	48
R9508073	DDH 95-105	123.60	125.10	1850	E35950	E122500	E203	1280	5	36.9	0.20	3.43	9.92	175.6	1.881	268
R9508074	DDH 95-105	125.10	126.60	4595	E46800	E75000	E313.5	1920	5	33.5	0.48	4.95	7.22	309.4	3.843	149
R9508075	DDH 95-105	126.60	128.10	713	E41800	E97500	E290.5	1400	5	34	0.10	4.61	8.38	272.6	1.893	78
R9508076	DDH 95-105	128.10	129.60	5950	8350	E73500	92.7	944	5	43.5	0.55	0.84	6.05	90.1	1.292	47
R9508077	DDH 95-105	129.60	131.10	1735	E10550	E84000	E124	920	5	36	0.18	1.21	7.91	122.4	1.105	137
R9508078	DDH 95-105	131.10	132.60	3770	E43950	E134000	E387.5	1900	5	32.7	0.35	4.15	12.35	325.7	2.379	39747
R9508079	DDH 95-105	132.60	134.40	E12500	E42850	E108500	E368	2120	5	34.9	1.17	4.43	10.83	345.5	2.664	867
R9508080	DDH 95-105	134.40	135.70	136	960	1330	6.1	50	5	2.03	0.02	0.11	0.21	7.33	0.119	5714
R9508081	DDH 95-105	135.70	136.80	2170	E46700	E91000	E204.5	680	5	39	0.21	4.58	8.06	189.9	1.177	308
R9508082	DDH 95-105	136.80	138.00	E15050	E31000	E98000	E173	1340	5	38.1	1.41	3.29	10.28	169.7	1.196	156
R9508083	DDH 95-105	138.00	139.50	E26000	4565	E58000	E102.5	1256	5	19.9	2.32	0.48	6.13	108.1	1.136	2106
R9508084	DDH 95-105	139.50	141.00	1840	2065	E44200	25.6	160	5	6.3	0.18	0.25	5.06	21.9	0.236	1453
R9508085	DDH 95-105	141.00	141.50	451	1560	E15900	3.8	32	5	4.67	0.05	0.19	1.69	4.7	0.093	1246
R9508086	DDH 95-107	96.30	97.90	164	141	1165	1.4	<10	5	2.83						
R9508087	DDH 95-107	97.90	99.40	E39050	557	2955	88.4	528	5	19.6	3.88	0.08	0.40	89.1	0.911	2561
R9508088	DDH 95-107	99.40	100.90	E40050	764	8800	94.7	736	5	18.9	3.24	0.09	0.91	95.3	1.227	2439
R9508089	DDH 95-107	100.90	102.40	147	284	174	2.4	36	5	2.11						
R9508090	DDH 95-107	102.40	103.90	132	269	476	2.4	32	5	2.03						
R9508091	DDH 95-107	103.90	105.40	765	102	261	2.5	40	5	4.9						
R9508092	DDH 95-107	105.40	106.90	E31150	1015	3515	E106	2200	5	12.2	2.37	0.11	0.17	109.8	2.730	3996

LAB NO	FIELD NUMBER	DRILL INTERVAL from (metres)	to	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t	Ba(4) ppm
R9508093	DDH 95-107	106.90	108.40	E131000	1180	E12900	E379	3400	5	41	12.24	0.12	0.91	337.6	4.957	185
R9508094	DDH 95-107	108.40	109.90	E126000	1970	E11200	E372	2600	5	49	10.78	0.20	0.84	326.3	4.254	525
R9508095	DDH 95-107	109.90	111.40	E39850	970	E13650	E124	980	5	44	2.80	0.10	0.97	108.3	0.995	891
R9508096	DDH 95-107	111.40	112.90	E11150	585	3695	45.4	300	5	42.8	1.05	0.06	0.20	43.7	0.528	336
R9508097	DDH 95-107	112.90	114.40	E15300	548	E16950	54.3	444	5	49.5	1.29	0.06	1.64	50.1	0.754	285
R9508098	DDH 95-107	114.40	115.90	E13600	1240	E53500	58.8	684	5	47.4	1.20	0.13	5.61	54.4	0.949	217
R9508099	DDH 95-107	115.90	117.40	6600	9900	E48750	E141.5	1140	5	45.6	0.48	0.99	5.11	123.8	1.074	267
R9508100	DDH 95-107	117.40	118.90	5200	4335	E25000	E101.5	472	5	46.9	0.41	0.45	2.84	99.3	0.693	68
R9508101	DDH 95-107	118.90	120.40	2870	E27450	E100000	E311.5	1120	5	30.9	0.18	2.62	9.14	277.7	1.831	95101
R9508102	DDH 95-107	120.40	121.90	2845	9850	E50000	E140	1180	5	36.2	0.19	0.99	5.21	135.4	1.590	39910
R9508103	DDH 95-107	121.90	123.40	2505	E28500	E76000	E272	1580	5	35.7	0.13	2.64	7.81	278.3	1.731	36523
R9508104	DDH 95-107	123.40	124.70	2750	E45400	E122000	E254	1152	5	34.1	0.17	4.52	12.07	240.1	1.232	14015
R9508105	DDH 95-107	124.70	126.20	6050	4800	E23350	38.9	124	5	16.2	0.43	0.48	2.10	38.9	0.177	2347
R9508106	DDH 95-107	126.20	127.70	2770	4650	E23150	25.4	108	5	10.5	0.16	0.45	2.10	25.4	0.204	1966
R9508107	DDH 95-107	127.70	129.20	58	321	553	.6	<10	5	1.44						
R9508108	DDH 95-108	111.80	113.30	4055	138	818	7.2	72	5	2.67						
R9508109	DDH 95-108	113.30	114.80	E94000	2230	E10900	E270.5	2280	5	30.8	7.81	0.25	1.07	262.2	3.105	1879
R9508110	DDH 95-108	114.80	116.30	E72000	1435	9900	E208	1904	5	41.9	7.00	0.17	0.98	203.5	2.318	1802
R9508111	DDH 95-108	116.30	117.80	E41250	1715	E12850	E148.5	1276	5	42	4.00	0.21	1.24	140.7	1.904	2222
R9508112	DDH 95-108	117.80	119.30	E34100	7850	E21250	E262	2000	5	42.8	3.26	0.90	2.18	238.3	2.517	1915
R9508113	DDH 95-108	119.30	120.80	E20200	2865	E30450	E112	1064	5	46	1.83	0.33	3.00	112.3	1.376	605
R9508114	DDH 95-108	120.80	122.30	8050	2640	E34700	63.9	1520	5	45	0.73	0.27	3.59	61.4	0.831	35
R9508115	DDH 95-108	122.30	123.80	3330	9200	E85000	94	400	5	45.4	0.30	1.17	9.56	98.9	0.542	57
R9508116	DDH 95-108	123.80	125.30	4610	E15950	E114000	E156	980	5	39.1	0.40	1.84	12.96	151.2	1.190	31453
R9508117	DDH 95-108	125.30	126.80	2445	E10900	E76500	79	252	5	46	0.17	1.18	7.71	75.3	0.448	15655
R9508118	DDH 95-108	126.80	128.30	2470	E10850	E76000	E152.5	1840	5	36.7	0.16	1.16	7.66	132.6	1.589	86402
R9508119	DDH 95-108	128.30	129.80	2530	E35750	E88500	E284.5	1140	5	38.8	0.20	4.12	9.85	284.0	2.076	1514
R9508120	DDH 95-108	129.80	131.30	3585	E31550	E54000	E168.5	900	5	30	0.26	3.54	5.58	165.4	1.681	5071
R9508121	DDH 95-108	131.30	132.80	7300	E37050	E82000	E165.5	660	5	39	0.60	3.75	7.99	165.0	1.188	14798
R9508122	DDH 95-108	132.80	134.30	1785	E18650	E77500	81.3	220	5	45.3	0.17	1.82	7.18	77.8	0.424	314
R9508123	DDH 95-108	134.30	135.30	E18650	E24700	E122000	E137.5	548	5	33.3	1.67	2.45	12.01	134.6	1.233	1008
R9508124	DDH 95-108	135.30	136.80	1230	236	561	2.6	28	5	2.18						
R9508125	DDH 95-106	116.90	118.40	1055	E10350	E24200	29.3	56	5	10.2						
R9508126	DDH 95-106	118.40	119.90	4425	3210	6150	10.9	60	5	8.1						
R9508127	DDH 95-106	119.90	121.40	278	150	690	.9	20	5	3.19						
R9508128	DDH 95-106	121.40	122.90	2330	211	698	7.5	40	5	6.3						

LAB NO	FIELD NUMBER	DRILL INTERVAL from	(metres) to	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t	Ba(4) ppm
R9508129	DDH 95-106	122.90	124.40	3235	300	1935	8.6	<10	5	9.3						
R9508130	DDH 95-106	124.40	125.90	3850	E20800	E100500	E130.5	388	5	36.5	0.33	2.61	10.00	133.9	0.586	2535
R9508131	DDH 95-106	125.90	127.50	E12000	E13900	E48950	E100	756	5	31.7	1.37	1.60	5.77	102.2	1.323	2879
R9508132	DDH 95-106	127.50	128.50	E13500	E47100	E135500	E243	936	5	38.1	1.34	5.75	13.91	237.3	0.948	897
R9508133	DDH 95-106	128.50	130.00	6900	8550	E33950	57.6	260	5	22.8	0.61	0.97	3.94	60.0	0.601	6354
R9508134	DDH 95-106	130.00	131.50	E12050	321	7200	43.7	500	5	13.9	1.17	0.07	0.81	43.3	0.580	3467
R9508135	DDH 95-106	131.50	133.00	4445	144	2380	14.1	132	5	7.7						
R9508136	DDH 95-106	133.00	134.20	56	267	521	1.2	24	5	1.83						
R9508137	DDH 95-106	134.20	135.30	136	223	906	2.2	<10	5	1.9						
R9508138	DDH 95-106	135.30	136.80	665	400	737	25	196	5	1.84						
R9508139	DDH 95-106	136.80	138.30	6550	3955	E18650	66.7	1144	5	41.6	0.64	0.47	2.32	68.3	1.503	5671
R9508140	DDH 95-106	138.30	139.20	5950	4700	E29300	70.5	876	5	40.4	0.55	0.65	3.70	73.8	1.209	5209
R9508141	DDH 95-106	139.20	140.10	2565	E12800	E73000	E209.5	1420	5	44.5	0.16	1.38	7.83	175.8	1.886	14604
R9508142	DDH 95-106	140.10	141.30	E11200	2000	3600	E480	4800	5	14.8	1.13	0.27	0.44	419.6	5.454	15152
R9508143	DDH 95-106	141.30	142.80	8550	E23750	E100500	E385.5	1648	5	32.4	0.80	2.63	9.64	343.8	3.893	12604
R9508144	DDH 95-106	142.80	144.30	E10500	E21300	E84000	E129	460	5	30.1	0.97	2.41	8.05	131.7	0.694	10602
R9508145	DDH 95-106	144.30	145.80	8000	E42000	E100500	E184	516	5	42.5	0.78	4.24	10.98	169.5	0.780	5287
R9508146	DDH 95-106	145.80	147.30	9400	E23450	E71500	E151.5	552	5	40	0.92	2.28	7.00	136.8	1.042	8142
R9508147	DDH 95-106	147.30	148.80	5600	E46750	E122000	E190.5	476	5	39.9	0.60	5.47	12.47	198.1	0.679	295
R9508148	DDH 95-106	148.80	150.30	2295	479	2910	7.6	<10	5	6.7						
R9508149	DDH 95-106	150.30	151.80	E10600	365	4090	31.1	548	5	11.2						
R9508150	DDH 95-106	151.80	153.30	477	121	4345	3.1	20	5	41.3						
R9508151	DDH 95-111	76.60	78.10	7800	909	3870	17.7	116	5	7.1	0.77	0.12	0.41	20.0	0.164	3685
R9508152	DDH 95-111	78.10	79.60	E29750	2370	E12200	79.1	988	5	15.3	3.46	0.26	1.34	79.1	1.013	5356
R9508153	DDH 95-111	79.60	81.10	2025	354	1935	10.3	92	5	5.4	0.20	0.04	0.21	9.5	0.171	8347
R9508154	DDH 95-111	81.10	82.60	E25450	461	4615	80.2	832	5	13.5	2.83	0.05	0.58	80.8	2.268	5875
R9508155	DDH 95-111	82.60	84.10	E32450	2910	E12550	E186.5	920	5	46.6	3.05	0.31	1.28	171.4	1.274	2115
R9508156	DDH 95-111	84.10	85.60	E30950	3080	E75000	E154.5	1312	5	44	3.13	0.39	8.03	163.3	1.251	257
R9508157	DDH 95-111	85.60	87.10	9250	9150	E110500	E142.5	548	5	44	0.97	1.13	12.36	138.4	0.711	64
R9508158	DDH 95-111	87.10	88.60	2625	E11600	E53500	E103.5	280	5	46.9	0.26	1.22	5.06	91.1	0.581	34182
R9508159	DDH 95-111	88.60	90.10	1925	E17300	E50000	E191.5	1004	5	40.4	0.21	1.82	4.79	187.2	1.950	34659
R9508160	DDH 95-111	90.10	91.60	2730	E33000	E86500	E341	1624	5	36.8	0.29	3.77	8.97	328.7	2.092	2205
R9508161	DDH 95-111	91.60	93.10	2110	E41700	E104000	E333	440	5	30.9	0.22	4.46	10.49	318.5	1.608	E99537
R9508162	DDH 95-111	93.10	94.60	8700	E46350	E94000	E267.5	616	5	35.3	0.93	5.58	9.96	275.2	1.352	805
R9508163	DDH 95-111	94.60	95.90	E14150	E13500	E75000	E111.5	528	5	30.2	1.46	1.59	7.50	120.7	0.602	1455
R9508164	DDH 95-111	95.90	97.40	56	297	349	2.1	<10	5	1.97						

KUDZ ZE KAYAH-WD

Job V 95-022

Report date 11

LOT13-DDH112,114,115

LAB NO	FIELD NUMBER	DRILL INTERVAL from (metres)	to	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t	Ba(4) ppm
R9508265	DDH95-112	89.30	90.50	43	140	289	1.4	24	5	3.69						
R9508266	DDH95-112	90.50	92.40	E41150	2765	8300	E121.5	690	5	12.9	4.77	0.33	0.99	129.2	2.652	1530
R9508267	DDH95-112	92.40	93.90	E120500	2550	E13700	E390	4700	5	34.4	12.57	0.25	1.35	367.6	5.797	613
R9508268	DDH95-112	93.90	95.40	E22650	E17650	E62000	E188.5	924	5	33.4	2.28	1.96	6.98	178.4	1.548	5827
R9508269	DDH95-112	95.40	96.90	6200	6850	E36100	80.4	618	5	48.7	0.65	0.78	3.86	81.9	0.961	570
R9508270	DDH95-112	96.90	98.40	3710	E20450	E86000	E178	1010	5	40.4	0.42	2.17	9.54	171.9	1.558	140
R9508271	DDH95-112	98.40	99.90	571	E20000	E122500	E111.5	740	5	36.9	0.09	2.33	13.91	118.9	1.097	79
R9508272	DDH95-112	99.90	101.40	3070	E37350	E112500	E270	2160	5	32.9	0.33	4.02	13.21	251.1	2.164	99
R9508273	DDH95-112	101.40	102.90	2510	E27900	E73500	E228.5	1580	5	37.8	0.29	2.99	8.69	233.1	2.433	110
R9508274	DDH95-112	102.90	104.40	3435	E53000	E89500	E448.5	3200	5	29.3	0.45	5.95	10.36	400.3	3.960	61240
R9508275	DDH95-112	104.40	105.90	799	E49500	E84500	E337	1536	5	21.5	0.11	4.94	7.76	331.1	1.996	E166566
R9508276	DDH95-112	105.90	107.40	4200	E46000	E88500	E239	930	5	35.2	0.50	4.74	9.50	231.6	1.537	3553
R9508277	DDH95-112	107.40	108.90	2480	E39000	E110500	E158	796	5	35.4	0.29	4.30	12.59	155.3	1.071	541
R9508278	DDH95-112	108.90	110.40	E35100	E19300	E83500	E171	1130	5	29.5	3.81	2.10	9.89	179.2	1.730	695
R9508279	DDH95-112	110.40	111.90	E33650	4815	E49250	E146.5	1180	5	34.5	3.75	0.53	5.81	150.2	2.519	542
R9508280	DDH95-112	111.90	113.40	844	2250	E14600	12	52	5	7						
R9508281	DDH95-114	186.70	188.20	128	72	566	1.1	<10	5	4.38						
R9508282	DDH95-114	188.20	189.70	E34100	9500	E27750	E202.5	1152	5	39.3	3.92	1.12	3.39	204.7	2.815	1735
R9508283	DDH95-114	189.70	191.20	1840	7600	E51000	60.2	382	5	44.1	0.30	0.81	5.59	59.1	0.659	81
R9508284	DDH95-114	191.20	192.70	2245	E11100	E51500	E206.5	980	5	38.5	0.41	1.22	6.05	207.7	1.229	143
R9508285	DDH95-114	192.70	194.20	3035	E13300	E65000	E248	1080	5	39.3	0.35	1.48	7.21	227.5	1.414	172
R9508286	DDH95-114	194.20	195.70	3575	E12400	E57500	E270	1290	5	37.8	0.40	1.37	6.91	255.6	1.476	371
R9508287	DDH95-114	195.70	197.20	2715	E14750	E78500	E213	1110	5	41.9	0.33	1.63	8.92	206.8	1.598	201
R9508288	DDH95-114	197.20	198.70	3860	8050	E37100	E272	1676	5	39.8	0.45	0.91	4.08	261.4	2.029	1040
R9508289	DDH95-114	198.70	199.50	2410	8100	E39350	E227	1684	5	37.3	0.30	0.96	4.53	230.7	1.834	663
R9508290	DDH95-114	199.50	201.00	70	136	372	2.5	24	5	2.65						
R9508291	DDH95-115	73.40	74.70	31	98	300	1.4	<10	5	3.15						
R9508292	DDH95-115	74.70	76.20	153	22	276	1	<10	5	13.8						
R9508293	DDH95-115	76.20	77.70	231	25	266	.8	<10	5	16						
R9508294	DDH95-115	77.70	79.10	66	16	249	.8	<10	5	10.7						

I-insufficient sample X-small sample E-exceeds calibration C-being checked R-revised

If requested analyses are not shown ,results are to follow

KUDZ ZE KAYAH-WD

Job V 95-02

95-117,118,120-122/LOT 15

Report date 1

LAB NO	FIELD NUMBER	DRILL INTERVAL from (metres)	to	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t
R9508521	DDH 95-117	128.20	129.70	1300	96	998	3.8	32	5	1.51					
R9508522	DDH 95-117	129.70	131.20	E23500	2800	E13700	97.1	476	5	15	2.68	0.31	1.75	91.5	0.821
R9508523	DDH 95-117	131.20	132.70	E49400	2730	E25900	E158.5	1276	5	29.4	6.28	0.32	4.60	163.8	1.775
R9508524	DDH 95-117	132.70	134.20	9850	7800	E90500	67.5	440	5	32.1	1.10	0.91	11.84	64.5	0.687
R9508525	DDH 95-117	134.20	135.70	2350	E25900	E75000	E146	624	5	33.9	0.30	3.14	7.76	137.6	0.948
R9508526	DDH 95-117	135.70	137.20	3435	E28600	E65000	E279.5	3680	5	27.3	0.46	3.36	7.14	281.3	4.323
R9508527	DDH 95-117	137.20	138.70	1190	E27200	E77500	E145.5	1664	5	33.2	0.18	3.17	8.38	146.8	1.752
R9508528	DDH 95-117	138.70	140.20	3425	E34700	E65500	E244.5	3840	5	35.4	0.52	4.00	7.16	239.5	1.711
R9508529	DDH 95-117	140.20	141.70	2820	E30150	E78500	E219.5	1872	5	34.9	0.36	3.73	8.77	223.2	1.451
R9508530	DDH 95-117	141.70	143.20	1575	E40200	E80500	E253.5	2320	5	36.1	0.24	4.94	9.78	246.8	2.694
R9508531	DDH 95-117	143.20	144.70	2420	E25750	E85000	E294.5	2000	5	35	0.33	3.15	9.52	295.0	2.634
R9508532	DDH 95-117	144.70	146.20	3555	E28700	E64500	E427.5	4200	5	35	0.46	3.48	7.81	362.7	4.134
R9508533	DDH 95-117	146.20	147.70	2660	E34800	E77000	E430.5	3320	5	34.7	0.33	4.16	9.51	430.2	4.414
R9508534	DDH 95-117	147.70	149.20	2980	E21100	E71500	E282	2080	5	34	0.38	2.66	8.98	268.2	4.041
R9508535	DDH 95-117	149.20	150.70	2280	9650	E86600	E278	2540	5	29	0.28	2.53	10.65	268.3	2.745
R9508536	DDH 95-117	150.70	152.10	1580	E16050	E60000	E207	960	5	38.9	0.21	1.97	7.14	209.4	2.107
R9508537	DDH 95-117	152.10	153.60	46	333	425	3.2	20	5	3.59					
R9508538	DDH 95-118	140.50	142.00	1255	179	985	5.3	36	5	3.15					
R9508539	DDH 95-118	142.00	143.50	E18150	1345	4090	50.1	344	5	18.7	2.01	0.17	0.51	46.2	0.519
R9508540	DDH 95-118	143.50	145.00	4665	1390	E12050	20.7	100	5	16.7	0.55	0.18	1.45	20.0	0.212
R9508541	DDH 95-118	145.00	146.50	3780	E10550	E59000	74.7	184	5	20	0.43	1.25	7.25	70.7	0.336
R9508542	DDH 95-118	146.50	148.00	4145	E23750	E87500	E197	1036	5	26.9	0.53	2.75	10.39	190.2	1.506
R9508543	DDH 95-118	148.00	149.50	3680	E22300	E102500	E215.5	1100	5	20.9	0.47	2.67	12.39	213.3	1.544
R9508544	DDH 95-118	149.50	151.00	2600	E29000	E131500	E341.5	1328	5	25.7	0.33	3.50	15.82	322.9	1.690
R9508545	DDH 95-118	151.00	152.50	2640	E29200	E96500	E300.5	2680	5	37.4	0.34	3.61	11.62	289.3	2.507
R9508546	DDH 95-118	152.50	154.00	950	E16250	E125000	E170	988	5	36.8	0.12	1.96	15.13	161.4	1.253
R9508547	DDH 95-118	154.00	155.50	3745	E19450	E76000	E297.5	1780	5	37.1	0.47	2.28	8.93	283.2	2.990
R9508548	DDH 95-118	155.50	157.00	1570	E18000	E71000	E259	1764	5	31.3	0.19	2.04	8.53	240.4	2.825
R9508549	DDH 95-118	157.00	158.20	1070	E15800	E91500	E180	880	5	28.3	0.19	1.79	11.52	177.4	1.396
R9508550	DDH 95-118	158.50	159.70	100	384	1240	5.3	24	5	2.98					
R9508551	DDH 95-120	82.00	83.50	94	378	6950	4.2	48	5	1.96					
R9508552	DDH 95-120	83.50	85.00	E13650	3455	E29450	51.8	420	5	43.1	1.35	0.38	3.72	49.6	0.436
R9508553	DDH 95-120	85.00	86.50	6200	2910	8800	39.8	300	5	48.4	0.71	0.35	1.08	38.2	0.584

KUDZ ZE KAYAH-WD

Job V 95-025

LOT 22-DDH146 TO 151

Report date 3

LAB NO	FIELD NUMBER	DRILL INTERVAL from (metres)	to	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t	Ba(4) ppm
R9509820	DDH 95-146	81.20	82.70	844	E19450	E14100	31.2	122	5	7.4						
R9509821	DDH 95-146	82.70	84.20	E33400	E19300	E105500	88.9	580	5	34	3.46	1.96	10.02	89.3	0.620	
R9509822	DDH 95-146	84.20	85.70	E11100	9250	E83000	37.9	660	5	29.6	1.13	0.93	8.42	37.4	0.463	
R9509823	DDH 95-146	85.70	87.40	7350	E11100	E93500	42	180	5	29.3	0.77	1.06	8.86	40.7	0.342	
R9509824	DDH 95-146	87.40	88.90	8050	E11350	E133500	35.7	316	5	29.7	0.84	1.12	13.67	33.2	0.340	
R9509825	DDH 95-146	88.90	90.40	2805	E10350	E116500	44.7	212	5	32.2	0.30	1.78	11.25	41.5	0.338	
R9509826	DDH 95-146	90.40	91.90	4825	E47650	E112000	E214	1260	5	27.3	0.56	4.56	10.33	213.7	1.325	
R9509827	DDH 95-146	91.90	92.40	E17850	2260	E16850	40.9	192	5	16.2	1.83	0.23	1.54	37.5	0.482	
R9509828	DDH 95-146	92.40	93.70	1965	E27200	E119500	61.4	232	5	34	0.21	2.69	11.44	58.8	0.395	
R9509829	DDH 95-146	93.70	94.80	E27050	9650	E98000	91.8	448	5	39.1	2.68	0.97	9.83	86.8	0.956	
R9509830	DDH 95-146	94.80	95.70	3415	354	937	9.6	80	5	11.4	0.37	0.04	0.04	8.3	0.204	
R9509831	DDH 95-146	95.70	96.60	E10550	885	7400	44.2	620	5	13.5	1.07	0.09	0.69	40.6	0.759	
R9509832	DDH 95-146	96.60	97.60	2675	E30550	E53000	E272.5	1540	5	22.1	0.29	2.87	4.49	266.7	2.552	
R9509833	DDH 95-146	97.60	98.80	8600	E24800	E83000	E515	1940	5	31.9	0.88	2.32	7.46	501.3	3.435	
R9509834	DDH 95-146	98.80	100.30	241	458	965	3.8	<10	5	2.73						
R9509835	DDH 95-146	100.30	101.80	502	5650	E16550	10.6	<10	5	5.09						
R9509836	DDH 95-146	101.80	103.50	620	3555	E10000	8.3	<10	5	6.8						
R9509837	DDH 95-146	103.50	105.00	585	3520	7950	6.5	68	5	7.6						
R9509838	DDH 95-146	105.00	106.50	616	6100	E12800	10.9	<10	5	10.2						
R9509839	DDH 95-146	106.50	108.00	876	874	1780	2.8	<10	5	7.4						
R9509840	DDH 95-146	108.00	109.50	188	823	1755	2.2	<10	5	7.3						
R9509841	DDH 95-146	109.50	111.20	133	701	1415	2.2	<10	5	8.9						
R9509842	DDH 95-146	111.20	112.70	517	1365	6000	10.4	<10	5	8.5						
R9509843	DDH 95-146	112.70	114.30	617	1260	9000	8.1	<10	5	5.5						
R9509844	DDH 95-146	114.30	115.80	921	2775	E14200	11.5	92	5	7.4						
R9509845	DDH 95-146	115.80	116.30	693	5750	E15550	38.7	60	5	6.9						
R9509846	DDH 95-146	116.30	117.60	8100	E15550	E79500	E124	1124	5	35.6	0.83	1.52	7.24	111.3	1.464	
R9509847	DDH 95-146	117.60	118.60	1005	131	765	3.9	<10	5	4.92						
R9509848	DDH 95-146	118.60	119.70	1720	103	731	3.5	<10	5	4.63						
R9509849	DDH 95-146	119.70	121.00	584	E41900	E97000	E119	416	5	34.6	0.07	4.17	9.12	115.9	0.665	
R9509850	DDH 95-146	121.00	122.10	3245	E27800	E83500	E103	500	5	38.2	0.34	2.63	7.39	96.5	0.971	
R9509851	DDH 95-146	122.10	123.70	625	1450	2850	6.4	40	5	4.3						
R9509852	DDH 95-147	157.00	158.50	1985	908	5450	13.6	178	5	12.2						

LAB NO	FIELD NUMBER	DRILL INTERVAL from (metres)	to	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t	Ba(4) ppm
R9509853	DDH 95-147	150.50	150.90	>31350	>22350	>57000	>985	>11040	5	26	3.09	2.20	5.72	1181.5	8.807	
R9509854	DDH 95-147	150.90	159.90	4450	146	297	29.8	212	5	3.8	0.10	0.01	<0.01	27.3	0.292	
R9509855	DDH 95-147	159.90	161.00	2735	>35200	>96500	>208	1460	5	35.7	0.20	3.42	9.45	192.7	1.646	
R9509856	DDH 95-147	161.00	161.90	627	>20300	>68500	>114.5	3640	5	39.4	0.08	2.71	6.00	107.3	0.697	
R9509857	DDH 95-147	161.90	163.70	3150	1035	5250	11.8	100	5	10.7	0.30	0.11	0.42	10.8	0.227	
R9509858	DDH 95-148	149.60	151.10	51	181	476	1.9	<10	5	6.5						
R9509859	DDH 95-148	151.10	151.70	2230	>26700	>54500	55.5	220	5	28	0.22	2.72	5.82	51.8	0.353	
R9509860	DDH 95-148	151.70	152.20	267	694	1740	4.9	<10	5	1.77	0.03	0.06	0.19	3.4	0.080	
R9509861	DDH 95-148	152.20	152.80	9950	>20900	>88000	94.4	320	5	37.1	0.94	1.89	8.47	86.9	0.955	
R9509862	DDH 95-148	152.80	154.30	62	274	562	1.4	<10	5	1.55						
R9509863	DDH 95-148	195.50	197.00	4235	6500	>19350	27.9	120	5	11.8	0.44	0.67	2.13	24.3	0.188	
R9509864	DDH 95-149	171.00	172.70	>29750	339	2730	86.2	1228	5	16.2	2.82	0.03	0.28	76.7	1.978	
R9509865	DDH 95-149	172.70	174.20	>47450	1405	5450	>161.5	1500	5	26.3	4.96	0.13	0.58	149.3	2.409	
R9509866	DDH 95-149	174.20	175.80	1840	>45600	>109500	>178.5	764	5	34.4	0.20	4.55	12.01	163.2	0.933	
R9509867	DDH 95-149	175.80	177.30	>17200	>49200	>118000	>221.5	1052	5	33	1.68	4.79	11.66	198.2	1.695	
R9509868	DDH 95-149	177.30	178.80	1530	>49450	>124000	>159.5	596	5	33.7	0.17	4.95	13.01	148.6	0.731	
R9509869	DDH 95-149	178.80	180.30	8350	>17850	>102000	>130	1184	5	34.9	0.88	1.76	11.49	120.0	1.429	
R9509870	DDH 95-149	180.30	181.50	>15950	>10800	>59500	>114	4020	5	44.1	1.51	1.03	5.24	96.1	1.848	
R9509871	DDH 95-149	181.50	182.60	9800	>20350	>71500	>286	1680	5	36	1.04	1.87	7.31	262.9	2.020	
R9509872	DDH 95-149	182.60	184.30	3570	3245	>10800	26.6	116	5	18.3	0.38	0.31	1.86	22.9	0.227	
R9509873	DDH 95-149	184.30	185.90	4100	2220	>15050	28.7	340	5	26	0.44	0.21	1.47	24.3	0.334	
R9509874	DDH 95-149	185.90	186.90	1645	8550	>49000	69.1	604	5	35.5	0.18	0.82	5.20	63.2	0.815	
R9509875	DDH 95-149	186.90	187.70	2270	8050	>59000	77.2	500	5	37.1	0.26	0.75	6.01	68.2	0.772	
R9509876	DDH 95-149	187.70	189.30	111	826	2010	5.6	48	5	3.73						
R9509877	DDH 95-149	193.00	194.50	>23950	2925	>11800	65.4	1128	5	13.2	2.35	0.26	1.20	53.5	2.261	
R9509878	DDH 95-150	144.80	146.30	456	126	851	2.5	<10	5	3.19						
R9509879	DDH 95-150	146.30	147.80	6350	2615	>19650	48.3	280	5	48.7	0.69	0.24	2.02	40.6	0.472	
R9509880	DDH 95-150	147.80	149.30	5250	>17800	>63500	51.7	400	5	43.6	0.60	1.74	6.34	45.5	0.482	
R9509881	DDH 95-150	149.30	150.80	5850	6950	>11650	53.5	560	5	48.1	0.66	0.66	1.17	46.0	0.737	
R9509882	DDH 95-150	150.80	152.30	2820	3000	>15450	43.8	280	5	44.5	0.32	0.28	1.54	41.7	0.495	
R9509883	DDH 95-150	152.30	153.80	2170	4370	>20400	47.4	272	5	44.9	0.25	0.41	2.14	44.1	0.446	
R9509884	DDH 95-150	153.80	155.30	1510	>20000	>88500	64.5	444	5	36.1	0.17	1.84	9.23	61.8	0.764	
R9509885	DDH 95-150	155.30	156.90	>11700	4595	>52000	43	232	5	36.1	1.24	0.43	5.40	39.1	0.325	
R9509886	DDH 95-150	156.90	158.40	4720	377	6500	18.3	100	5	18.8	0.53	0.04	0.64	15.0	0.295	
R9509887	DDH 95-150	158.40	159.90	7700	318	1200	25.3	200	5	11.8	0.90	0.03	0.16	21.8	0.397	
R9509888	DDH 95-151	140.40	141.90	699	2015	>11650	9.5	24	5	4.88						

KUDZ ZE KAYAH-WD

Job V 95-02

LOT23-DDH145,152 TO 156

Report date

LAB NO	FIELD NUMBER	DRILL INTERVAL from (metres)	to	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t	Ba(4) ppm
R9510203	DDH-95-145	74.20	75.70	711	287	2480	4.7	40	5	2.46						
R9510204	DDH-95-145	75.70	77.20	H23700	1770	H170500	57.8	436	5	32.2	2.26	0.18	18.54	58.5	0.453	570
R9510205	DDH-95-145	77.20	78.40	H25200	H28000	H96000	H156	816	5	34	2.45	2.74	10.34	158.4	0.921	747
R9510206	DDH-95-145	78.40	80.20	H22900	13000	H25350	46.9	346	5	21.8	2.15	0.12	2.67	43.6	0.659	5161
R9510207	DDH-95-145	80.20	81.70	4495	1195	H17950	17.1	52	5	15	0.47	0.11	1.94	15.2	<0.069	8897
R9510208	DDH-95-145	81.70	83.20	3345	1290	H61500	16.1	60	5	13.5	0.36	0.13	6.67	14.8	<0.069	5737
R9510209	DDH-95-145	83.20	84.70	2400	3050	H17200	7.6	40	5	9.3	0.25	0.03	1.91	7.2	<0.069	7019
R9510210	DDH-95-145	84.70	86.30	115	431	2330	3.1	<10	5	4.45	0.01	0.05	0.26	2.6	<0.069	8783
R9510211	DDH-95-145	86.30	86.60	1205	H41300	H76000	H358	980	5	26.9	0.14	3.81	7.71	330.8	1.250	90882
R9510212	DDH-95-145	86.60	87.50	164	1140	1390	6.8	42	5	2.27	0.02	0.10	0.14	6.4	<0.069	8450
R9510213	DDH-95-145	87.50	87.90	8050	H28550	H68000	H545	4600	5	21.6	0.83	2.85	7.45	595.2	6.926	1558
R9510214	DDH-95-145	87.90	89.40	809	5150	H10450	49.3	166	5	5.4	0.09	0.50	1.09	43.3	0.132	3194
R9510215	DDH-95-145	115.00	116.50	5800	5450	H29100	H101.5	448	5	9.3	0.64	0.56	3.45	102.9	1.003	7176
R9510216	DDH-95-145	116.50	117.50	H32250	4110	H26800	H121	1382	5	27.8	3.41	0.42	2.88	119.6	2.016	4911
R9510217	DDH-95-145	117.50	118.20	H16600	4130	H26650	77.9	644	5	44.9	1.61	0.41	2.82	73.6	1.139	2136
R9510218	DDH-95-145	118.20	119.40	516	2415	4775	17.9	220	5	4.5	0.06	0.24	0.48	16.7	0.237	9875
R9510219	DDH-95-145	119.40	120.30	1545	H32650	H87500	H187.5	618	5	29.2	0.18	3.30	8.93	181.4	1.116	1210
R9510220	DDH-95-145	120.30	121.80	551	2080	8000	19.5	118	5	6.8						
R9510221	DDH-95-152	151.00	152.80	2400	2095	H26300	26.9	180	5	13.6	0.25	0.20	2.88	23.8	0.389	2636
R9510222	DDH-95-152	152.80	154.30	5800	H10400	H73000	H101.5	542	5	40	0.57	0.98	8.29	96.0	0.653	214
R9510223	DDH-95-152	154.30	156.50	3435	H22350	H66000	H204	1272	5	35.5	0.38	2.14	7.17	189.4	1.845	7493
R9510224	DDH-95-152	156.50	157.00	1555	H15750	H50500	71.2	1516	5	37.9	0.17	1.46	5.62	64.5	1.883	719
R9510225	DDH-95-152	157.80	160.30	2565	H34350	H71500	96.5	688	5	34	0.27	3.31	7.88	87.6	1.115	583
R9510226	DDH-95-152	160.30	162.00	8100	1380	3740	23.2	312	5	4.6	0.77	0.14	0.38	19.8	0.360	3065
R9510227	DDH-95-153	131.80	133.60	963	783	2700	4	<10	5	2.28						
R9510228	DDH-95-153	133.60	135.20	2000	2710	H22950	9.9	22	5	20.6	0.22	0.27	2.39	8.7	0.107	855
R9510229	DDH-95-153	135.20	136.60	6450	H12380	H32450	36.1	116	5	24.7	0.65	1.21	3.54	31.2	0.278	824
R9510230	DDH-95-153	136.60	137.70	6150	H10850	H22950	37.4	64	5	12.6	0.61	1.04	2.40	33.1	0.757	879
R9510231	DDH-95-153	137.70	139.60	82	206	496	1	<10	5	5.3						
R9510232	DDH-95-153	151.70	153.20	32	65	192	.5	<10	5	1.13						
R9510233	DDH-95-153	153.20	154.60	H42400	4905	H19950	H210	2320	5	41.3	4.28	0.50	2.12	199.5	2.798	3637
R9510234	DDH-95-153	154.60	155.50	H26400	1210	3375	H100	752	5	9.1	2.48	0.12	0.36	95.5	0.991	7452
R9510235	DDH-95-153	155.50	157.00	H87800	3215	9800	H397.5	3200	5	36	9.43	0.31	1.02	346.9	4.224	5305

LAB NO	FIELD NUMBER	DRILL INTERVAL from (metres)	to	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t	Ba(4 ppm
R9510236	DDH-95-153	157.00	158.80	3855	E16250	E37100	E116.5	460	5	39.2	0.41	1.52	3.88	103.9	0.704	287
R9510237	DDH-95-153	158.80	159.90	E10300	7550	E28300	74.5	650	5	33.1	0.99	0.73	2.93	64.0	1.109	383
R9510238	DDH-95-153	159.90	160.60	9300	812	6250	33.5	196	5	13.9	0.94	0.09	0.62	28.7	0.378	818
R9510239	DDH-95-153	160.60	162.10	6700	5400	E20950	62.8	600	5	42.9	0.65	0.51	2.11	54.1	1.329	50
R9510240	DDH-95-153	162.10	163.60	2040	E26600	E57500	77.2	360	5	40.8	0.23	2.62	6.12	71.0	0.478	6
R9510241	DDH-95-153	163.60	165.20	4555	E33400	E93000	E120.5	740	5	31.3	0.50	3.17	9.86	109.7	1.093	583
R9510242	DDH-95-153	165.20	166.70	1495	1345	2200	9.4	154	5	5						
R9510243	DDH-95-154	154.60	156.10	5350	938	2050	24.6	180	5	12.7	0.53	0.10	0.22	20.1	0.305	414
R9510244	DDH-95-154	156.10	157.60	E13650	652	E25800	38	360	5	35.6	1.35	0.07	2.73	32.1	0.657	726
R9510245	DDH-95-154	157.60	159.10	E26500	1340	4555	88.6	580	5	26.5	2.47	0.13	0.50	72.8	1.472	697
R9510246	DDH-95-154	159.10	160.60	E10150	474	E43950	30.3	562	5	22.8	0.94	0.06	4.70	26.6	1.265	926
R9510247	DDH-95-154	160.60	162.10	E12150	2535	E84000	50.7	572	5	34.5	1.18	0.25	8.50	44.0	0.661	167
R9510248	DDH-95-154	162.10	163.60	5950	1840	E43800	27.8	160	5	38.7	0.56	0.17	4.83	24.1	0.459	103
R9510249	DDH-95-154	163.60	165.10	724	6200	E19100	21.9	54	5	21.9	0.09	0.56	2.03	10.1	0.173	511
R9510250	DDH-95-154	165.10	166.60	2050	2125	9800	24.9	56	5	22.1	0.23	0.20	0.94	21.1	0.213	675
R9510251	DDH-95-154	166.60	167.60	9100	6250	E28250	71.2	226	5	33.3	0.89	0.60	3.04	61.1	0.356	166
R9510252	DDH-95-154	167.60	169.10	2955	E41100	E111000	E289.5	1046	5	34.3	0.31	3.79	10.83	252.0	2.256	3944
R9510253	DDH-95-154	169.10	170.60	2460	E43700	E163000	E206.5	1860	5	25.6	0.23	4.07	16.33	193.7	2.154	4683
R9510254	DDH-95-154	170.60	172.00	2655	E25450	E88500	E147.5	1064	5	27.3	0.31	2.42	10.48	135.0	1.473	5436
R9510255	DDH-95-154	172.00	173.50	E17050	2330	E11300	97.5	1012	5	14.8	1.64	0.23	1.16	86.3	1.217	763
R9510256	DDH-95-154	173.50	175.00	6850	873	2075	37.2	60	5	5.4	0.66	0.09	0.23	30.9	0.293	375
R9510257	DDH-95-155	149.40	150.90	E10350	339	4060	18.8	376	5	11	0.98	0.03	0.45	16.2	1.320	1391
R9510258	DDH-95-155	150.90	152.40	E50500	E17450	E118000	E142.5	1812	5	29.8	5.45	1.65	12.90	132.1	1.527	67
R9510259	DDH-95-155	152.40	153.90	9250	E41150	E184500	86.4	560	5	25.9	0.90	3.93	19.34	72.9	0.405	35
R9510260	DDH-95-155	153.90	155.40	5850	E19600	E177000	48	182	5	29.9	0.58	1.79	17.70	42.3	0.316	36
R9510261	DDH-95-155	155.40	156.90	7150	1915	E82500	37.3	216	5	36.2	0.71	0.19	9.61	32.7	0.375	58
R9510262	DDH-95-155	156.90	158.50	2065	E10250	E58000	37.9	108	5	34.2	0.23	0.98	6.23	35.3	0.216	1239
R9510263	DDH-95-155	158.50	160.00	1000	4170	E61000	25.7	100	5	44.1	0.12	0.41	6.27	22.0	0.216	110
R9510264	DDH-95-155	160.00	161.50	1915	3005	E76000	39.3	186	5	41.6	0.23	0.30	7.92	35.5	0.309	24
R9510265	DDH-95-155	161.50	162.50	4850	456	E37350	29.9	1200	5	48	0.55	0.04	3.94	25.9	0.626	183
R9510266	DDH-95-155	162.50	162.60	E16300	165	E12850	48.3	656	5	31.1	1.62	0.01	1.39	42.2	0.963	21
R9510267	DDH-95-155	162.60	162.70	2955	152	E41850	12.8	168	5	45.3	0.34	0.01	4.49	11.8	0.364	17
R9510268	DDH-95-155	162.70	163.20	3760	369	E12200	24.9	264	5	34.5	0.45	0.04	1.28	23.1	0.493	<10
R9510269	DDH-95-155	163.20	163.70	1230	477	E24550	22.2	196	5	43.9	0.15	0.05	2.60	20.6	0.447	33
R9510270	DDH-95-155	163.70	163.90	8950	376	E28450	40.9	444	5	40.7	0.92	0.04	3.07	40.0	0.467	100
R9510271	DDH-95-155	163.90	165.30	3060	635	8150	33.3	204	5	47.9	0.36	0.06	0.76	29.9	0.394	70

KUDZ ZH KAYAH-WD

Job V 95-02

LOT 24-UDH157 TO 162

Report date 6

LAB NO	FIELD NUMBER	DRILL INTERVAL from (metres)	to	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t	Ba(4) ppm
R9510563	95-157	139.00	142.60	396	67	532	2.1	20	5	4.3						
R9510564	95-157	142.60	144.10	3635	>10000	>10000	>100	984	5	34.9	0.35	1.74	6.57	138.2	1.500	57461
R9510565	95-157	144.10	145.60	3365	>10000	>10000	>100	1064	5	36.8	0.34	2.25	6.67	176.5	1.496	26273
R9510566	95-157	145.60	147.10	3185	>10000	>10000	>100	1378	5	37.6	0.31	2.02	6.18	167.1	1.740	25380
R9510567	95-157	147.10	147.70	3755	>10000	>10000	>100	2000	5	37.6	0.36	3.85	8.63	289.1	2.977	756
R9510568	95-157	147.70	148.90	>10000	>10000	>10000	>100	2160	5	11.4	0.98	2.24	3.23	357.7	3.582	30590
R9510569	95-157	148.90	151.70	4945	>10000	>10000	>100	2000	5	28.7	0.50	3.12	8.22	229.1	3.023	19582
R9510570	95-157	151.70	153.60	4800	7800	>10000	53.1	600	5	42.1	0.05	0.81	3.31	47.5	1.061	5642
R9510571	95-157	153.60	155.10	>10000	3375	>10000	89.2	1276	5	49.1	1.87	0.34	3.31	77.2	1.425	3985
R9510572	95-157	155.10	156.50	>10000	4065	>10000	>100	2600	5	40.6	3.32	0.39	4.47	156.3	7.954	3962
R9510573	95-157	156.50	157.50	>10000	6000	>10000	92.8	644	5	23.7	1.15	0.61	3.52	81.9	1.000	6806
R9510574	95-157	157.50	159.00	3415	7750	>10000	56.3	344	5	40.4	0.31	0.76	3.00	49.3	0.573	474
R9510575	95-157	159.00	160.90	3045	>10000	>10000	>100	706	5	35.1	0.29	1.98	8.07	107.1	0.888	33088
R9510576	95-157	160.90	161.70	3390	>10000	>10000	>100	1120	5	26.6	0.33	2.93	7.56	165.1	1.377	98541
R9510577	95-157	161.70	163.20	>10000	2505	6750	47.8	600	5	10.7	1.11	0.22	0.63	41.5	0.771	8911
R9510578	95-157	163.20	164.20	>10000	2030	>10000	51.6	1112	5	20.8	1.23	0.18	1.57	47.7	0.613	2333
R9510579	95-158	169.60	171.10	52	227	678	1.6	20	5	2.42						
R9510580	95-158	171.10	172.60	3660	>10000	>10000	>100	976	5	32.4	0.36	1.07	5.75	121.3	1.327	44266
R9510581	95-158	172.60	174.40	2780	2760	>10000	27.2	140	5	41.7	0.28	0.28	7.81	24.4	0.256	3536
R9510582	95-158	174.40	176.00	5550	6350	>10000	55.8	860	5	40.7	0.59	0.63	8.68	50.3	0.528	859
R9510583	95-158	176.00	177.50	3895	>10000	>10000	>100	1124	5	29.1	0.39	2.28	8.18	148.9	1.339	52560
R9510584	95-158	177.50	179.00	4095	>10000	>10000	>100	1320	5	32.8	0.41	1.80	9.97	142.8	1.469	16714
R9510585	95-158	179.00	180.50	5350	>10000	>10000	>100	1052	5	31.3	0.52	1.67	8.76	112.2	1.513	7335
R9510586	95-158	180.50	180.70	537	>10000	>10000	62.5	804	5	23.1	0.03	1.48	4.25	55.7	1.095	4645
R9510587	95-158	180.70	182.20	812	4375	>10000	22.9	500	5	10.8	0.05	0.47	1.69	20.5	0.487	12524
R9510588	95-158	182.20	183.70	334	3530	6150	14.9	120	5	6.6	<0.01	0.38	0.66	13.2	0.217	9963
R9510589	95-158	183.70	184.60	4985	1195	6100	13.5	142	5	10.3	0.41	0.14	0.70	12.0	0.249	6877
R9510590	95-158	185.80	186.30	2810	>10000	>10000	31.1	548	5	28.3	0.22	1.51	4.41	28.3	0.960	1194
R9510591	95-159	156.70	158.20	343	1195	2710	4.8	54	5	5.4						
R9510592	95-159	158.20	159.70	1225	>10000	>10000	>100	560	5	36.2	0.08	2.69	8.48	99.6	0.847	32325
R9510593	95-159	159.70	161.20	2920	>10000	>10000	>100	2400	5	25.7	0.22	5.56	14.31	213.3	4.024	65763
R9510594	95-159	161.20	162.80	4970	>10000	>10000	>100	2000	5	35.4	0.40	1.46	5.03	171.2	2.888	29928
R9510595	95-159	162.80	164.30	4155	>10000	>10000	>100	1484	5	34.1	0.32	1.66	6.27	133.7	1.526	28808

LAB NO	FIELD NUMBER	DRILL INTERVAL from (metres) to		Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	Wt Au gram	Fe %	Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) g/t	Au(1) g/t	Ba(4) ppm
R9510596	95-159	164.30	165.60	5900	E12900	E67 500	E156.5	1056	5	33.4	0.48	1.38	7.16	145.6	1.651	36125
R9510597	95-159	165.60	166.40	E36350	3085	9 050	E180	1420	5	28.8	2.87	0.33	0.98	156.4	2.209	17852
R9510598	95-159	166.40	167.90	E34000	8900	E43 900	E250.5	1240	5	37.1	2.69	1.01	4.71	221.3	1.970	640
R9510599	95-159	167.90	169.40	5250	E15750	E85:500	E117.5	832	5	33.7	0.43	1.64	8.65	98.9	0.992	2772
R9510600	95-159	169.40	170.90	2340	E26150	E135:500	82.2	400	5	32	0.17	2.71	13.96	71.1	0.864	1690
R9510601	95-159	170.90	172.40	4125	E21300	E68■000	E141.5	700	5	28.3	0.35	2.37	7.36	140.4	1.088	6075
R9510602	95-159	172.40	174.10	277	7500	E57□000	28.3	280	5	19.4	<0.01	0.84	5.65	25.7	0.512	8692
R9510603	95-159	174.10	175.50	1850	2520	E23□150	17.7	840	5	18.8	0.09	0.25	2.01	15.5	0.553	11681
R9510604	95-159	175.50	176.40	4080	E23500	E79□000	E247.5	1638	5	20.1	0.31	2.40	8.19	237.7	2.170	E104896
R9510605	95-159	176.40	177.80	839	1630	6■200	23.6	336	5	6.7						
R9510606	95-160	145.30	148.90	2630	220	16■80	15.8	20	5	5	0.16	0.02	0.15	14.3	0.106	710
R9510607	95-160	148.90	150.00	3760	2155	E101■00	35.6	578	5	38.7	0.32	0.26	1.04	32.7	0.823	466
R9510608	95-160	150.00	151.50	1915	7900	E550■00	44.8	482	5	37.9	0.12	0.91	5.49	41.0	0.979	400
R9510609	95-160	151.50	153.00	3405	5100	E550■00	87.5	1520	5	38.1	0.25	0.60	5.75	80.7	1.906	4102
R9510610	95-160	153.00	154.50	E27000	7400	E590■00	E206	1360	5	36.2	2.19	0.04	5.71	193.4	2.521	13270
R9510611	95-160	154.50	155.60	E20100	4075	E349 00	E183.5	2200	5	28	1.76	0.48	3.63	182.3	6.111	6390
R9510612	95-160	155.60	157.10	1990	229	12 70	8.5	80	5	10.2						
R9510613	95-160	157.10	158.50	1395	739	24 45	8.9	56	5	4.4						
R9510614	95-160	158.50	158.90	5750	E15900	E610■00	E276.5	920	5	24.4	0.51	1.79	6.13	261.4	1.467	2379
R9510615	95-160	158.90	160.40	322	383	48■05	3.9	26	5	5.6						
R9510616	95-161	16.20	17.80	745	436	10-40	3	60	5	3.8						
R9510617	95-161	17.80	19.10	E12650	E13100	E515■00	E132.5	1124	5	20.7	1.11	1.52	5.03	123.7	1.937	8970
R9510618	95-161	19.10	20.60	9600	E12050	E615■00	E135	1824	5	36.2	0.97	1.48	6.70	128.7	1.933	104
R9510619	95-161	20.60	22.10	E27150	4055	E550□00	92.2	1520	5	39.4	2.32	0.49	5.56	89.4	1.812	125
R9510620	95-161	22.10	23.60	6650	E14250	E905□0	E103.5	562	5	37.7	0.62	1.67	9.06	96.5	0.910	117
R9510621	95-161	23.60	25.10	3835	E23250	E965□0	E194	1264	5	31.3	0.30	2.51	9.56	175.3	1.818	6940
R9510622	95-161	25.10	25.90	4275	E43150	E920□0	E418.5	2200	5	30.8	0.35	5.04	9.69	372.7	2.954	1905
R9510623	95-161	25.90	27.40	1375	9600	E140■0	E109.5	1024	5	7.3	0.07	1.15	1.43	97.7	0.806	5262
R9510624	95-161	27.40	29.30	39	517	189■5	10.5	280	8	1.96						
R9510625	95-161	29.30	31.20	26	848	452■5	7.4	170	5	3.02						
R9510626	95-161	31.20	31.90	361	8400	E4000■0	63.5	384	5	40.9						
R9510627	95-161	31.90	34.70	1075	943	338■0	47.4	406	5	2.4						
R9510628	95-161	123.90	124.60	211	902	E1460■0	5.1	<10	5	12.9						

I-insufficient sample X-small sample E-exceeds calibration C-being checked R-revised
If requested analyses are not shown, results are to follow

ANALYTICAL METHODS
Aqua regia decomposition / AAS

PLATE 1

003432

STRIP 1

OVB	OVERBURDEN	
FF	FELSIC FLOW	
FTA	FELSIC TUFF, ASH	
FTC	FELSIC TUFF, CRYSTAL	
FTL	FELSIC TUFF, LAPILLI	
FT	FELSIC TUFF	
FW	QTZ-SER SCHIST W. CC BANDS	
FX	QTZ-SER SCHIST +-CHL, BI, CO3	
FY	QTZ-SER-CHL (GRPH) SCHIST	
FZ	QTZ-SER-CO3 SCHIST	
MD	MAFIC DIKE	
MF	MAFIC FLOW	
MM	CHLORITE SCHIST	
MN	BIOTITE/CALCITE (CHLOR) SCH.	
MO	CHLORITE/CALC/BIOT SCH.	
MS	MAFIC SILL	
MT	MAFIC TUFF	
MU	CHLORITE/CALCITE SCHIST	
MV	CHLORITE/SERICITE/ CALCITE SCH.	
MW	SERICITE/CHL/CC SCHIST	
MY	CHLORITE/SER/QTZ SCHIST	
MZ	PISTACHIO MICA/QTZ /SER SCHIST	
SA	ARGILLITE/PHYLLITE	
SK	WACKE/ARKOSE	
SL	LIMESTONE/MARBLE	
SQ	QUARTZITE	
SV	CHL/SER/CC (BI) SCH	
SW	SER/CHL/QTZ SCHIST	
SX	BI-RICH SCH. CC+-QTZ, CHL	
SY	BI/CHL/SER SCHIST	
SZ	BI/SER/QTZ/CHL SCH	
OA	LAMINATED SULPHIDE MAGNETITE ROC	
OB	WISPILY LAMINATED SX WITH SIL	
OC	CPY / PO NETWORK SULPHIDES	
OD	RECRSY. PORPHYRO-BLASTIC SX	
OF	PYRRHOTITE ROCK	
OG	CHALCOPYRITE ROCK	
OH	PYRITE - MASSIVE TEXTURE	
OI	HEAVILY DISS SX IN FZ	
OJ	HEAVILY DISS SX IN A	
AP	ALTERATION - PORPHYROBLASTIC	
AT	ALTERATION-TYPICAL	
AY	ALTERATION- YELLOW SERICITE	
QZVN	QUARTZ VEIN	
VN	VEIN	
FLT	FAULT ZONE	

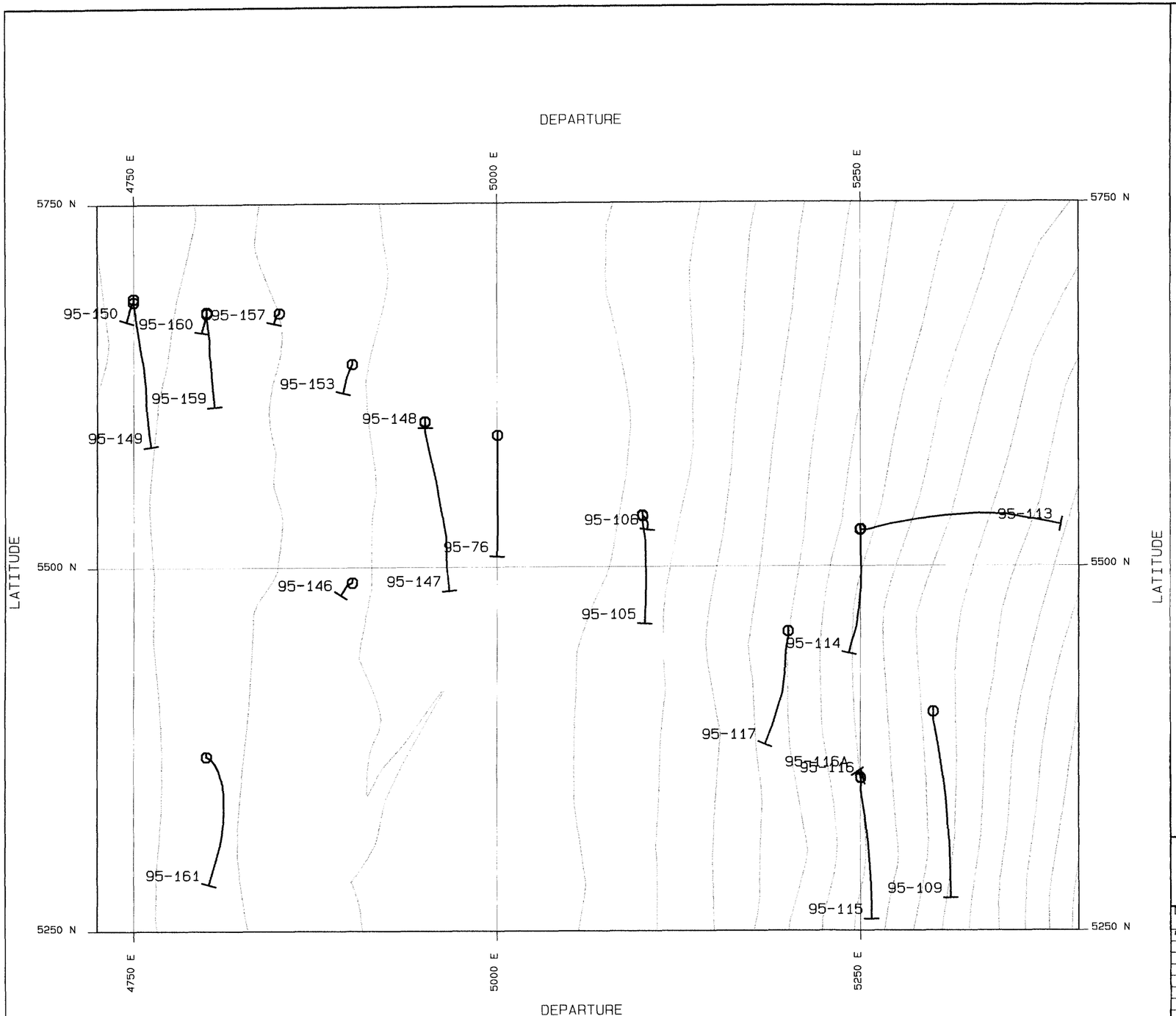
STRIP 2

A_D_	ALT - FELDSPAR	
A_G_	ALT - GREY MICA	
A_L_	ALT - CARBONATE	
A_O_	ALT - CHLORITE	
O_A_	MAGNETITE BEARING	
O_F_	PO > 10%	
O_G_	CPY > 3%	
O_I_	INTERBANDED QTZ/SER	
O_O_	CHLORITE BEARING	
__A_	ASH	
__B_	BOMB	
__C_	CRYSTAL	
__L_	LAPILLI	

STRIP 3

___1	CHLORITE PPY	
___2	CARBONATE PPY	
___3	FELDSPAR PPY	
___4	BIOTITE PPY	
___B	BANDED	
___C	CARBONACEOUS	
___D	FELDSPAR PHYRIC	
___E	GRADED	
___F	FRAGMENTAL TX	
___G	GRANULAR TX	
___H	CHERTY	
___L	CALCAREOUS	
___M	MOTTLED	
___O	CHLORITIC	
___P	FE-SULPHIDIC	
___R	RIBBONED	
___S	SPHERULITIC	
___Z	QUARTZ PHYRIC	

8-NOV-95
KZK95A.STR



LEGEND

N

DHID

0.0 50.0 100.0 200.0 METRES

COLLAR PLAN
N 5750.0 E 5400.0
5250.0 4725.0
XSCALE: 1: 2500.
YSCALE: 1: 2500. BASE AZ: 90.0
DATE: 13: 7 8-NOV-95

Dwg ①

093432

KUDZ ZE KAYAH

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	COLLAR PLAN	
REVISED BY / DATE			
	RANGE:	SCALE: 1 : 2500.	DATE: 8-NOV-95 TIME: 13: 7:21
			PLATE: 2

LATITUDE

5600 N

5700 N

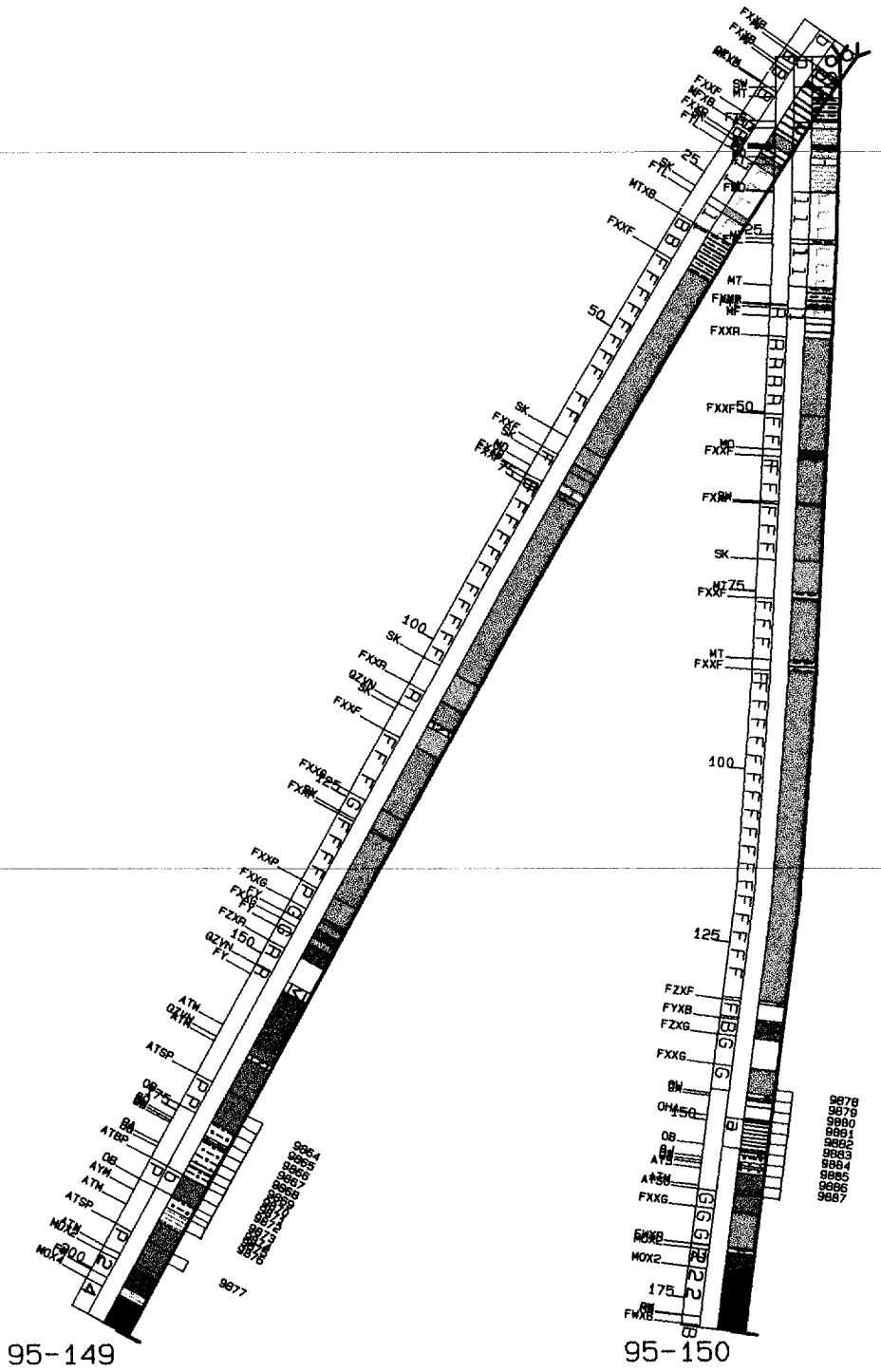
1500 M

1400 M

1300 M

1200 M

ELEVATION



KUDZ ZE KAYAH

093432

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	SECTION 4750 E
REVISED BY / DATE		DWG (12)
RANGE: 25.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:44:37

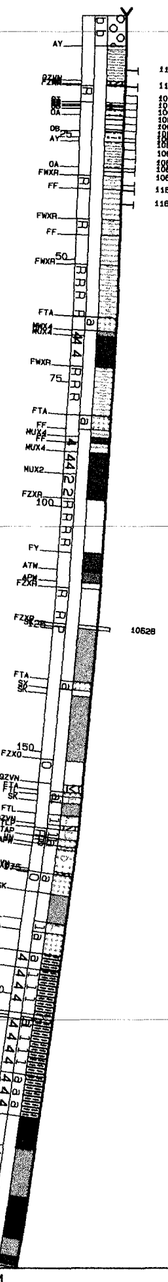
PLATE: 3

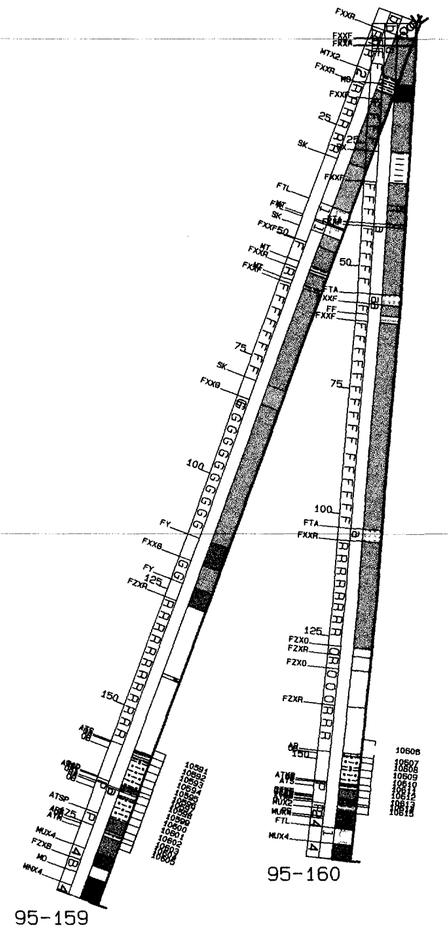
LATITUDE

5300 N | 5400 N | 5500 N | 5600 N | 5700 N

1500 M
1400 M
1300 M
1200 M

ELEVATION





[. SampNo

0.0 20.0 40.0 80.0 METRES

KUDZ ZE KAYAH

Cominco

DRAWN BY:	TRACED BY:		
COMINCO GEORES			
REVISED BY	DATE		
		RANGE: 25.0 M	SCALE: 1 : 1000.
			DATE: 8-NOV-95 TIME: 14:45:54

SECTION 4800 E

093432

Dwg (11)

PLATE: 4

LATITUDE

5600 N

5700 N

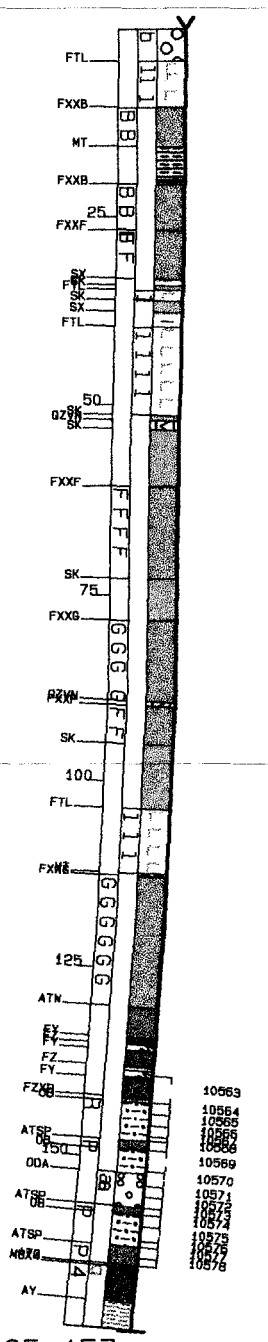
1500 M

1400 M

1300 M

1200 M

ELEVATION



95-157

ELEVATION

LATITUDE

KUDZ ZE KAYAH

Cominco

DRAWN BY: COMINCO GEORES		TRACED BY:	SECTION 4850 E
REVISED BY	DATE		093432
			DWG 10
		RANGE: 25.0 M	SCALE: 1 : 1000.
			DATE: 8-NOV-95 TIME: 14: 48: 7
			PLATE: 5

LATITUDE

5500 N

5600 N

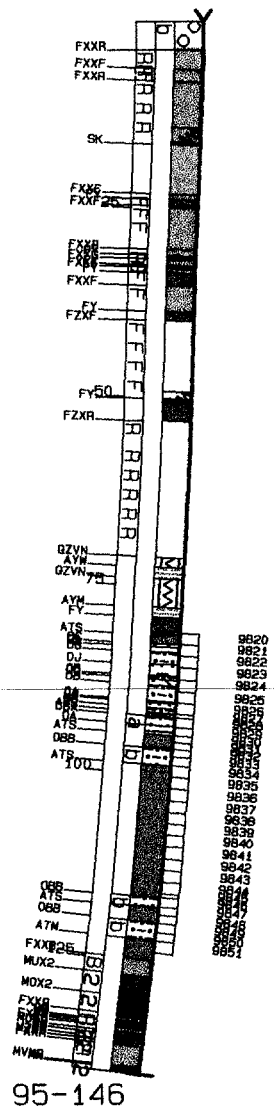
1500 M

1400 M

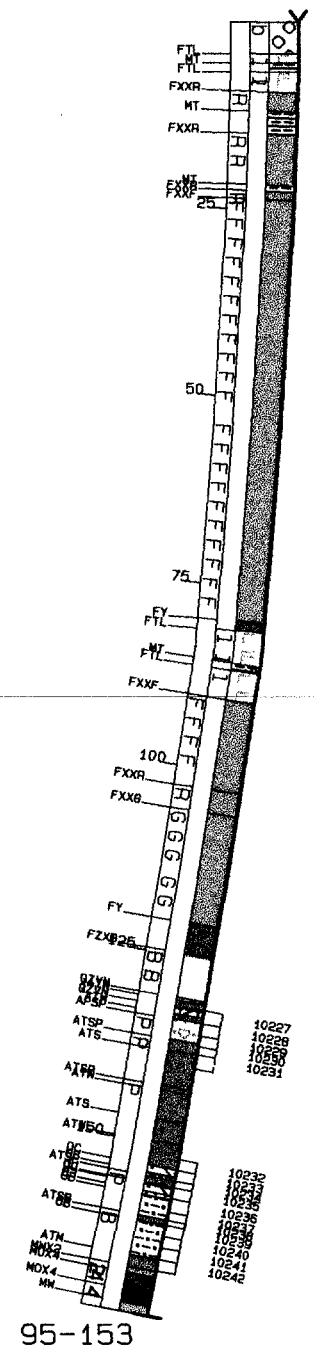
1300 M

1200 M

ELEVATION



95-146



95-153

LATITUDE

KUDZ ZE KAYAH 093432

Cominco

DRAWN BY: COMINCO GEORES		TRACED BY:	SECTION 4900 E
REVISED BY	DATE		
		RANGE: 25.0 M	SCALE: 1 : 1000.

DATE: 8-NOV-95
TIME: 14: 49: 2

PLATE: 6

DWG (9)

LATITUDE

5500 N

5600 N

1500 M

1400 M

1300 M

1200 M

ELEVATION

95-147

95-148

KUDZ ZE KAYAH 093432

DRAWN BY: COMINCO GEORES	TRACED BY:				
REVISED BY	DATE				
		SECTION 4950 E			
		RANGE: 25.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:51: 4	PLATE: 7

Dwg (8)

LATITUDE

5500 N

5600 N

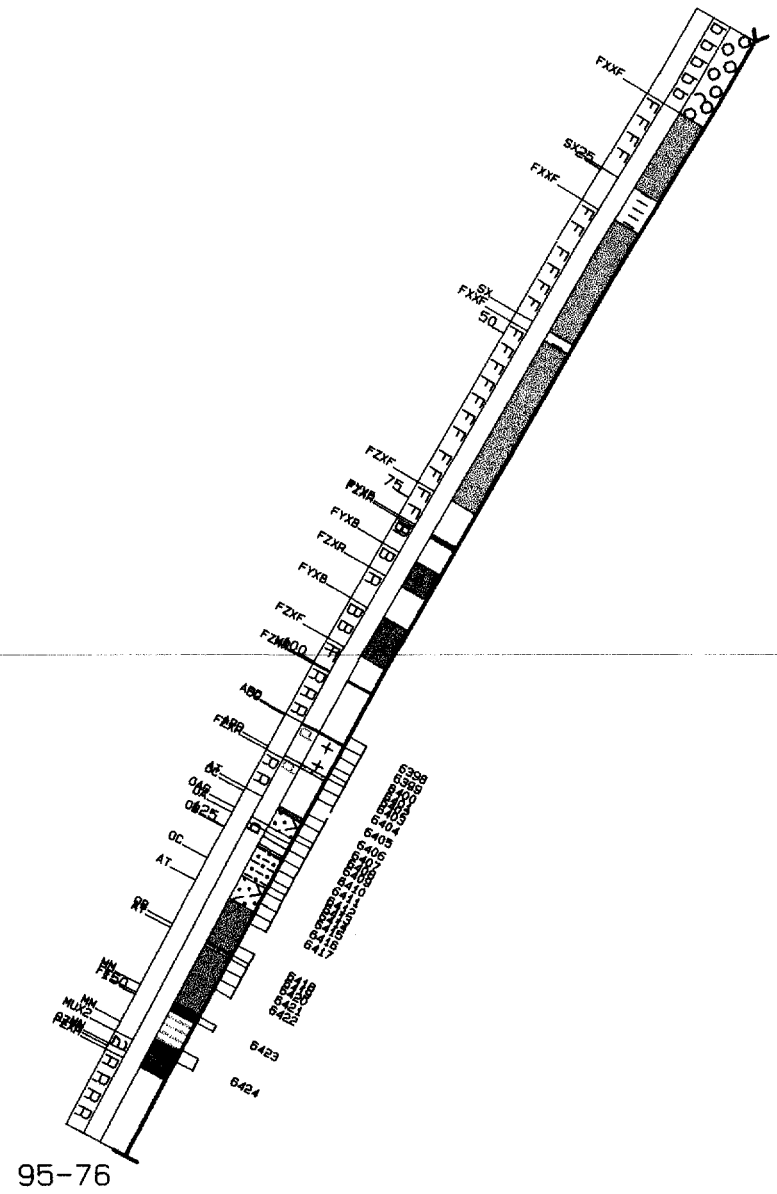
1500 M

1400 M

1300 M

1200 M

ELEVATION



95-76

ELEVATION

LATITUDE

KUDZ ZE KAYAH

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	SECTION 5000 E
REVISED BY / DATE		DWG 7
		093432
RANGE: 25.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:52:12
		PLATE: 8

LATITUDE

5500 N

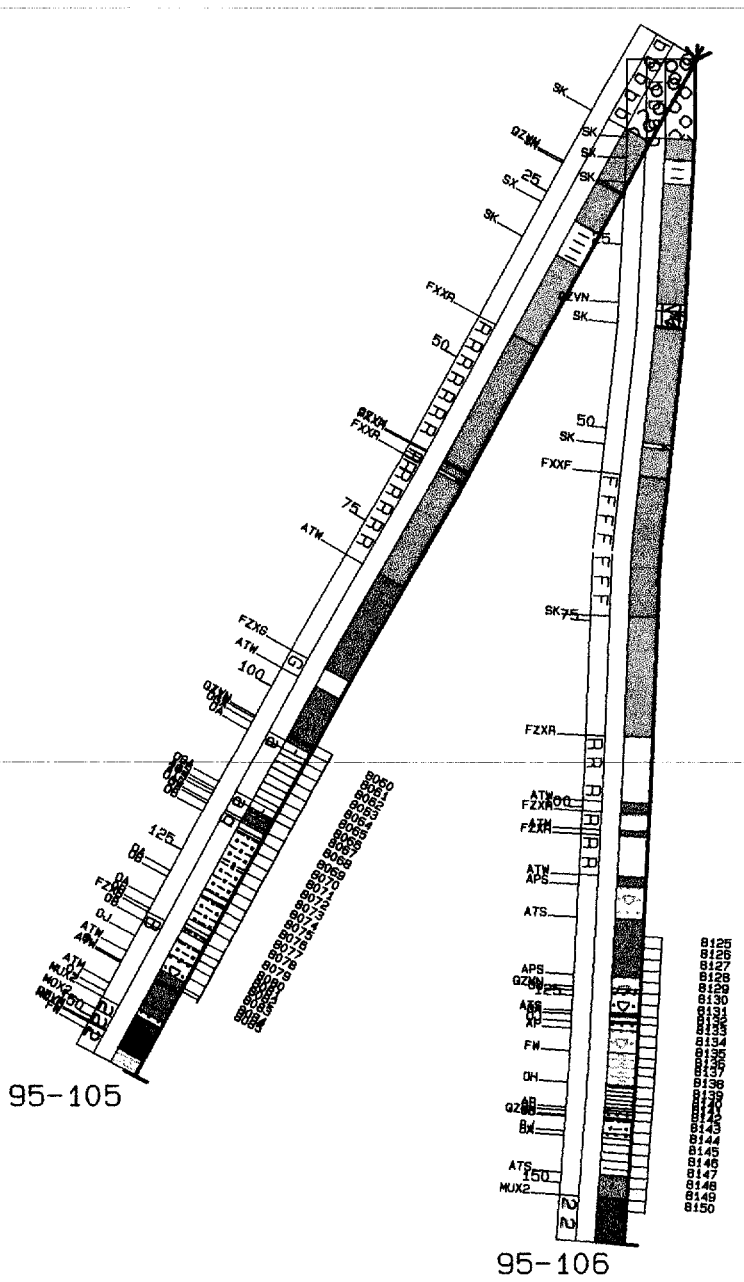
1500 M

1400 M

1300 M

1200 M

ELEVATION



5500 N

LATITUDE

KUDZ ZE KAYAH

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	SECTION 5100 E
REVISED BY / DATE		093432
RANGE: 25.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:53:10

Dwg (6)

PLATE: 9

LATITUDE

5400 N

1500 M

1500 M

1400 M

1400 M

ELEVATION

ELEVATION

1300 M

1300 M

1200 M

1200 M

95-117

5400 N

LATITUDE

KUDZ ZE KAYAH

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	SECTION 5200 E	DWG (5)
REVISED BY / DATE		093432	
RANGE: 25.0 M	SCALE: 1 : 1000.	DATE: 9-NOV-95 TIME: 10:38:28	PLATE: 10

LATITUDE

5300 N | 5400 N | 5500 N

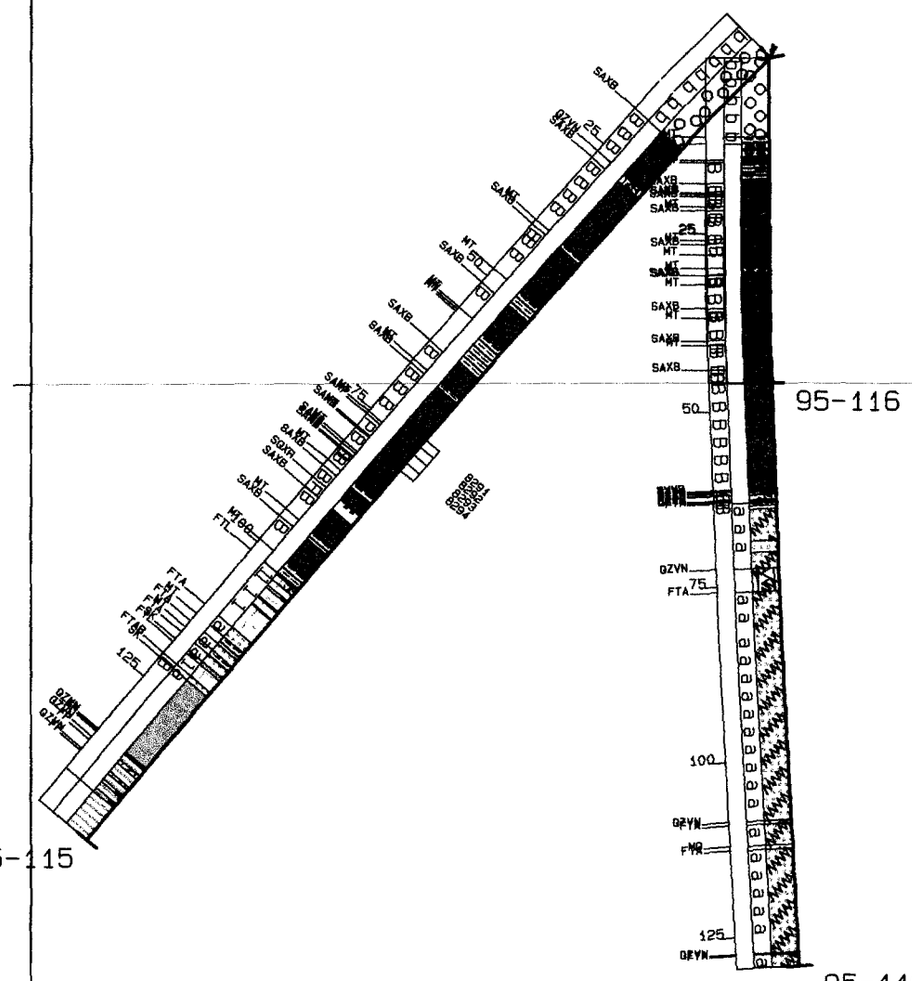
1500 M

1400 M

1300 M

1200 M

ELEVATION



0.0 20.0 40.0 80.0 METRES

KUDZ ZE KAYAH

Cominco

DRAWN BY:	TRACED BY:		
COMINCO GEORES			
REVISED BY / DATE			
	RANGE: 25.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:55:29

SECTION 5250 E

093432

DWG (4)

PLATE: 11

LATITUDE

5300 N | 5400 N | 5500 N

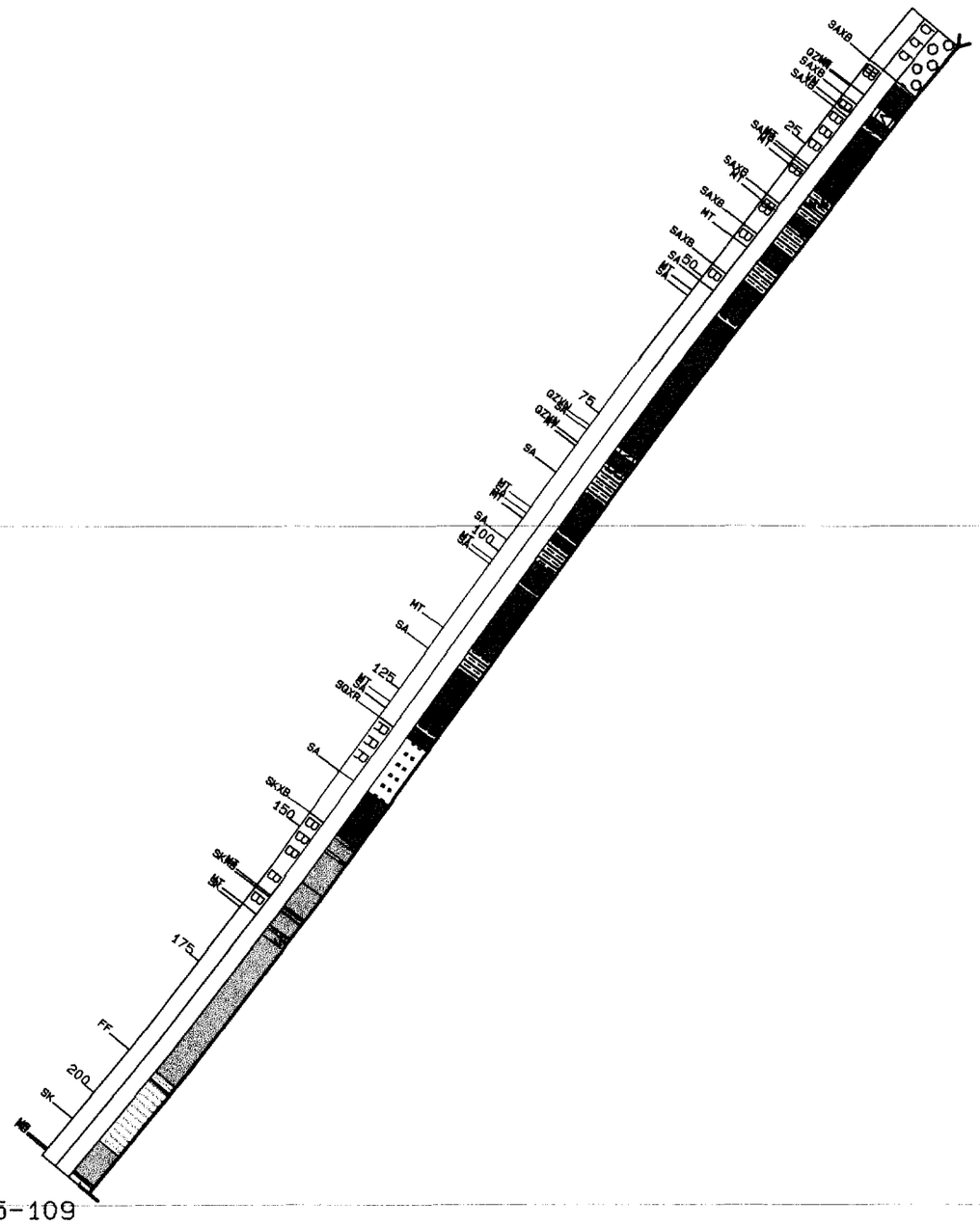
1500 M

1400 M

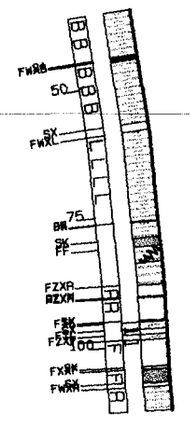
1300 M

1200 M

ELEVATION



95-109



95-113

ELEVATION

1300 M

1200 M

5300 N | 5400 N | 5500 N

LATITUDE

0.0 20.0 40.0 80.0 METRES

KUDZ ZE KAYAH

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	SECTION 5300 E
REVISED BY / DATE		093432
RANGE: 25.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:56:36

DWG (3)

PLATE: 12

LATITUDE

5500 N

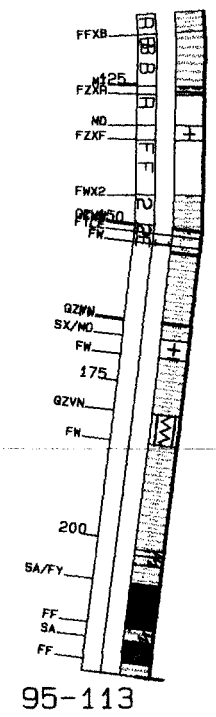
1500 M

1400 M

1300 M

1200 M

ELEVATION



95-113

5500 N

LATITUDE

KUDZ ZE KAYAH

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	SECTION 5400 E			
REVISED BY / DATE		093432 DWG (2)			
	RANGE: 65.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:59:18	PLATE: 13	

DEPARTURE

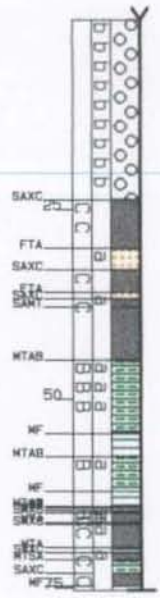
4900 E

1300 M

1300 M

ELEVATION

ELEVATION



95-162

1200 M

1200 M

4900 E

DEPARTURE

KUDZ ZE KAYAH

093432

Cominco

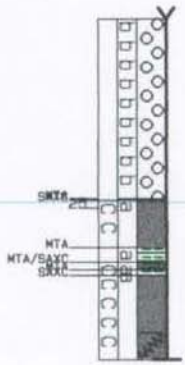
DRAWN BY: COMINCO GEORES		TRACED BY:	95-162		
REVISED BY	DATE				
		RANGE: 50.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:25:51	PLATE: 14

DEPARTURE

4900 E

ELEVATION

1300 M



95-163

1300 M

ELEVATION

4900 E

DEPARTURE

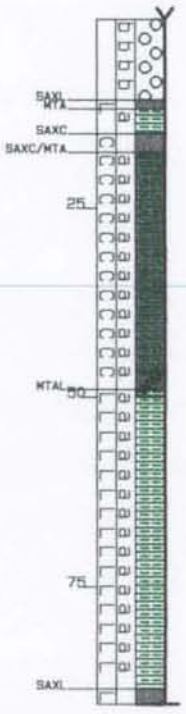
KUDZ ZE KAYAH 093432

Cominco

DRAWN BY: COMINCO GEORES		TRACED BY:	95-163		
REVISED BY	DATE				
		RANGE: 50.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:36: 8	PLATE: 15

DEPARTURE

4900 E



1300 M

1300 M

ELEVATION

ELEVATION

95-164

4900 E

DEPARTURE

KUDZ ZE KAYAH

093432

Cominco

DRAWN BY: COMINCO GEORES		TRACED BY:	95-164		
REVISED BY	DATE				
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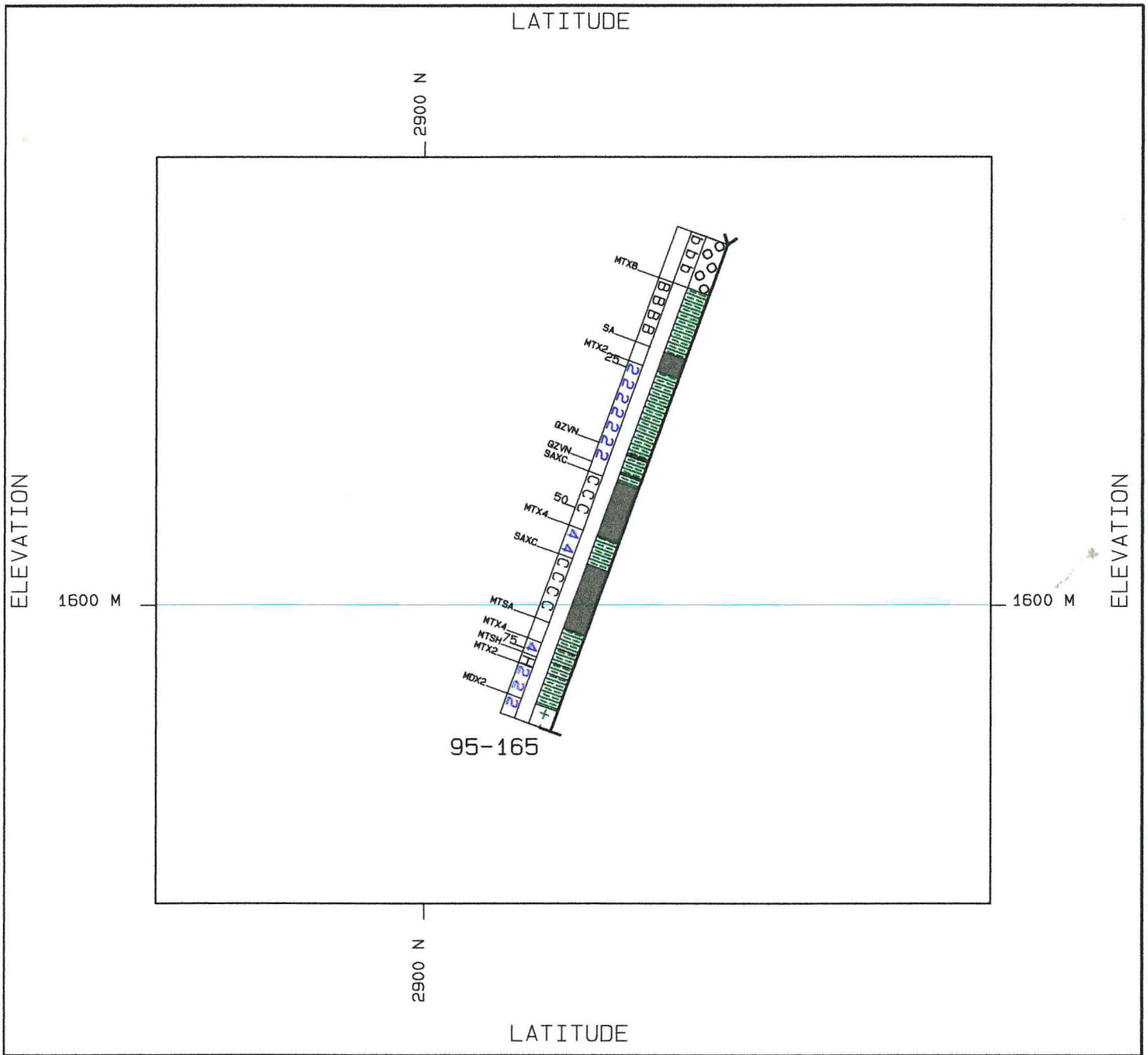
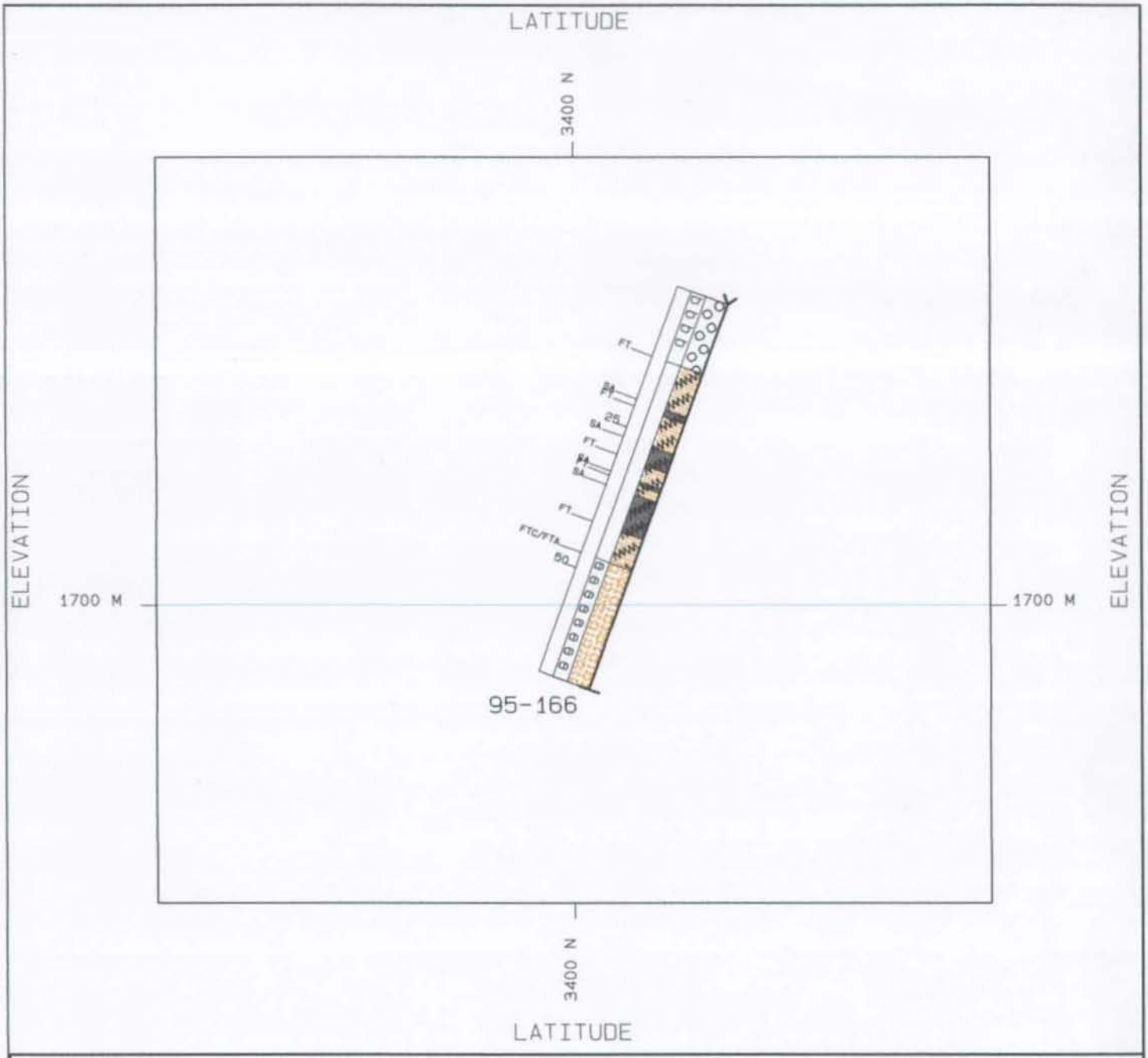


KUDZ ZE KAYAH

093432

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	95-165			
REVISED BY / DATE					
RANGE: 50.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:34:58	PLATE: 17		



KUDZ ZE KAYAH

093432

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	95-166			
REVISED BY / DATE					
RANGE: 50.0 M		SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:33:47	PLATE: 18	

LATITUDE

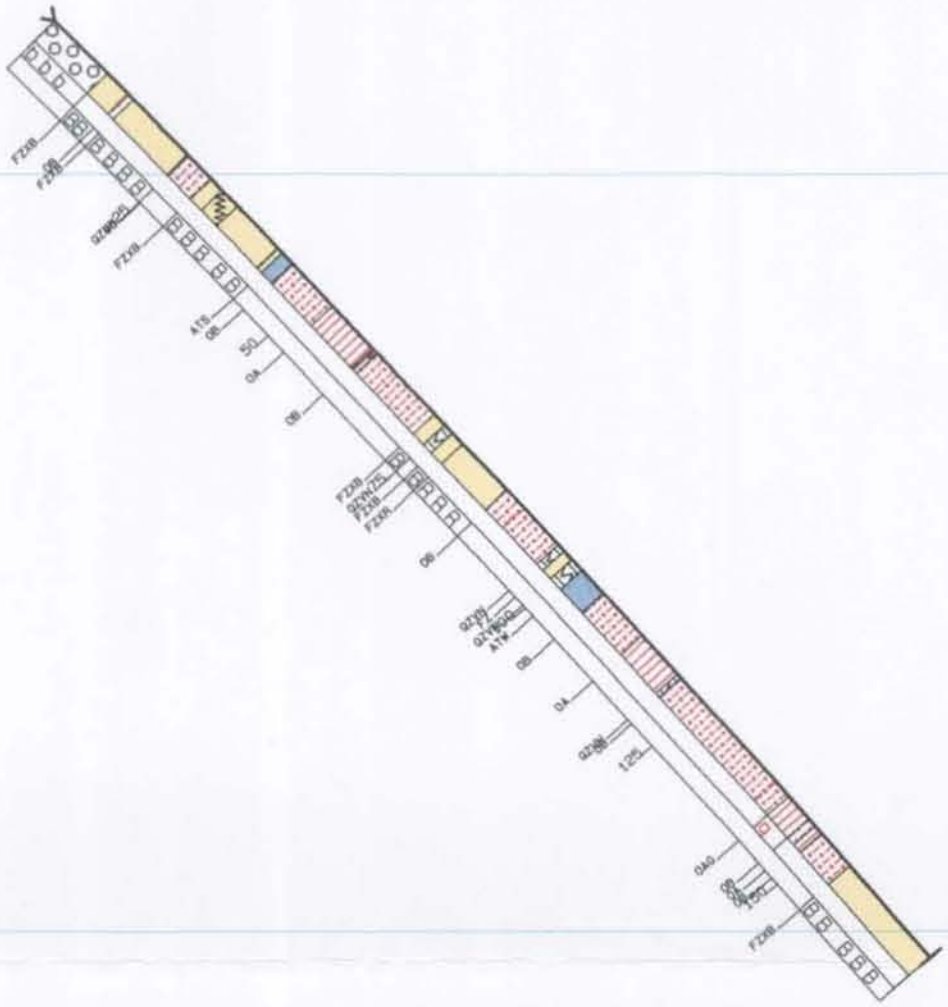
5300 N | 5400 N | 5500 N

1400 M

1300 M

1200 M

ELEVATION



5300 N | 5400 N | 5500 N

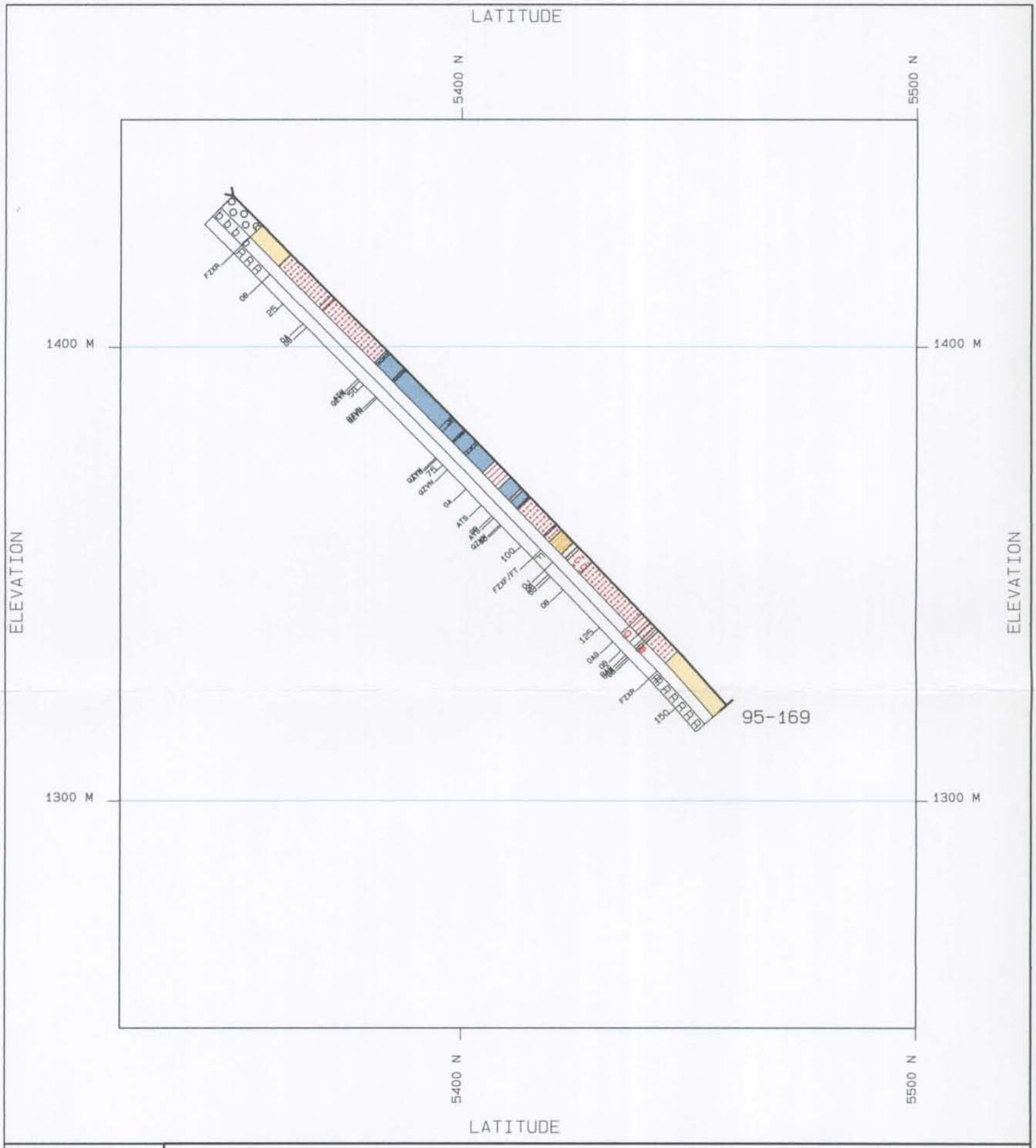
LATITUDE

KUDZ ZE KAYAH

093432

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	95-168		
REVISED BY / DATE				
RANGE: 25.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:41:31	PLATE: 19	



KUDZ ZE KAYAH

093432

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	95-169			
REVISED BY	DATE				
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DEPARTURE

7100 E

7200 E

1600 M

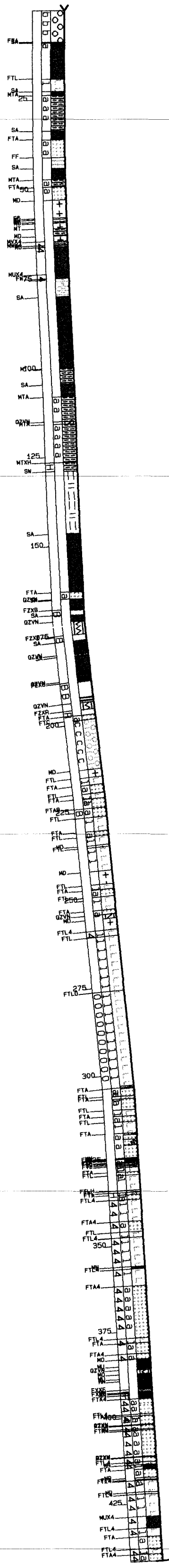
1500 M

1400 M

1300 M

1200 M

ELEVATION



95-170

ELEVATION

7100 E

7200 E

DEPARTURE

KUDZ ZE KAYAH 093432

Cominco

DRAWN BY: COMINCO GEORES	TRACED BY:	95-170	DWG 13
REVISED BY / DATE			
RANGE: 100.0 M	SCALE: 1 : 1000.	DATE: 8-NOV-95 TIME: 14:29:54	PLATE: 21

DETAIL AREA

NORTH LAKES

093432

N.T.S. 105G/7

KUDZ ZE KAYAH PROJECT

Drawn by:		Traced by:
Revised by:	Date:	Acad file: Plate 2

Dwg (14)

DRILL HOLE LOCATIONS

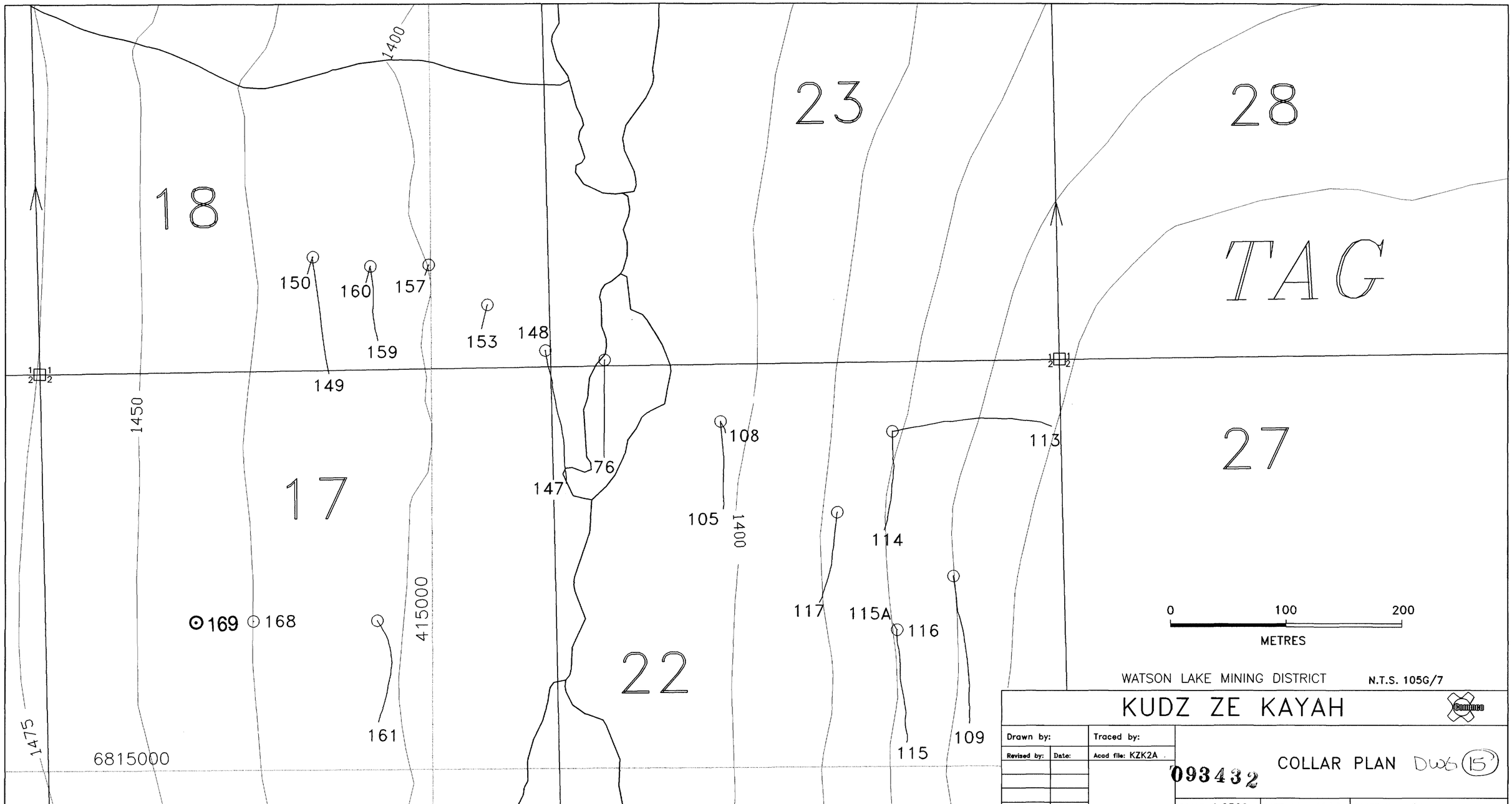
SCALE: 1:20,000 | DATE: Mar.1996 | PLATE NO: 2

0 500 1000 1500

METRES

WATSON LAKE MINING DISTRICT

NAME: C:\ACAD\DRAWINGS\KZK\KZK2.DWG DATE: MAR 20, 1996 TIME: 3:46 PM



WATSON LAKE MINING DISTRICT N.T.S. 105G/7

KUDZ ZE KAYAH

Drawn by:		Traced by:	
Revised by:	Date:	Acad file: KZK2A	

093432

COLLAR PLAN DWG (15)

SCALE: 1:2500 | DATE: Mar.1996 | PLATE NO: 2A