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NORTHERN GOLD NL

ANNUAL REPORT ON MCN'S 1012 - 1015
(within EL 4847)

Compiled by

A Ronk
Northern Gold NL
Adelaide River
Northern Territory

August 1988

MCN 1012 - 1015

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List of Plans

Plan No.		Scale
280	EL 4847 & MCN's 1012 - 1015 Base Map & Geology	1: 5,000
281	EL 4847 (MCN 1015) Grid Mapping	1: 1,000
317 (Part of)	Soil Grochemistry Sampling	1:10,000
	Drill Gross Section 49640 N	1:500
	Drill Gross Section 50850 N	1:500

MCN (1012-1015)

1. SUMMARY

Mineral claims numbered MCN 1012-1015 are within EL 4847. Exploration work has been carried out over the Mineral Claims and the EL as part of a larger exploration programme in the area.

Work completed to 24 June 1988 includes 7 reverse circulation drill holes on the Mineral Claims and some mapping and soil sampling.

Expenditure by Northern Gold on the Mineral Claims to 24 June 1988 was \$59,246.

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2. CONCLUSION

Drilling results indicate widespread anomalous gold values through the Mount Bonnie Formation sediments with intersections averaging 0.5 g/t Au or better over tens of metres. Very few individual values above 1 g/t Au were received.

Work to date indicates that these sediments are a prime target for further exploration. Detailed structural mapping and assessment of the area is required to locate a suitable target in which mineralisation will be more concentrated.

Regional geochemical sampling should continue into the next period.

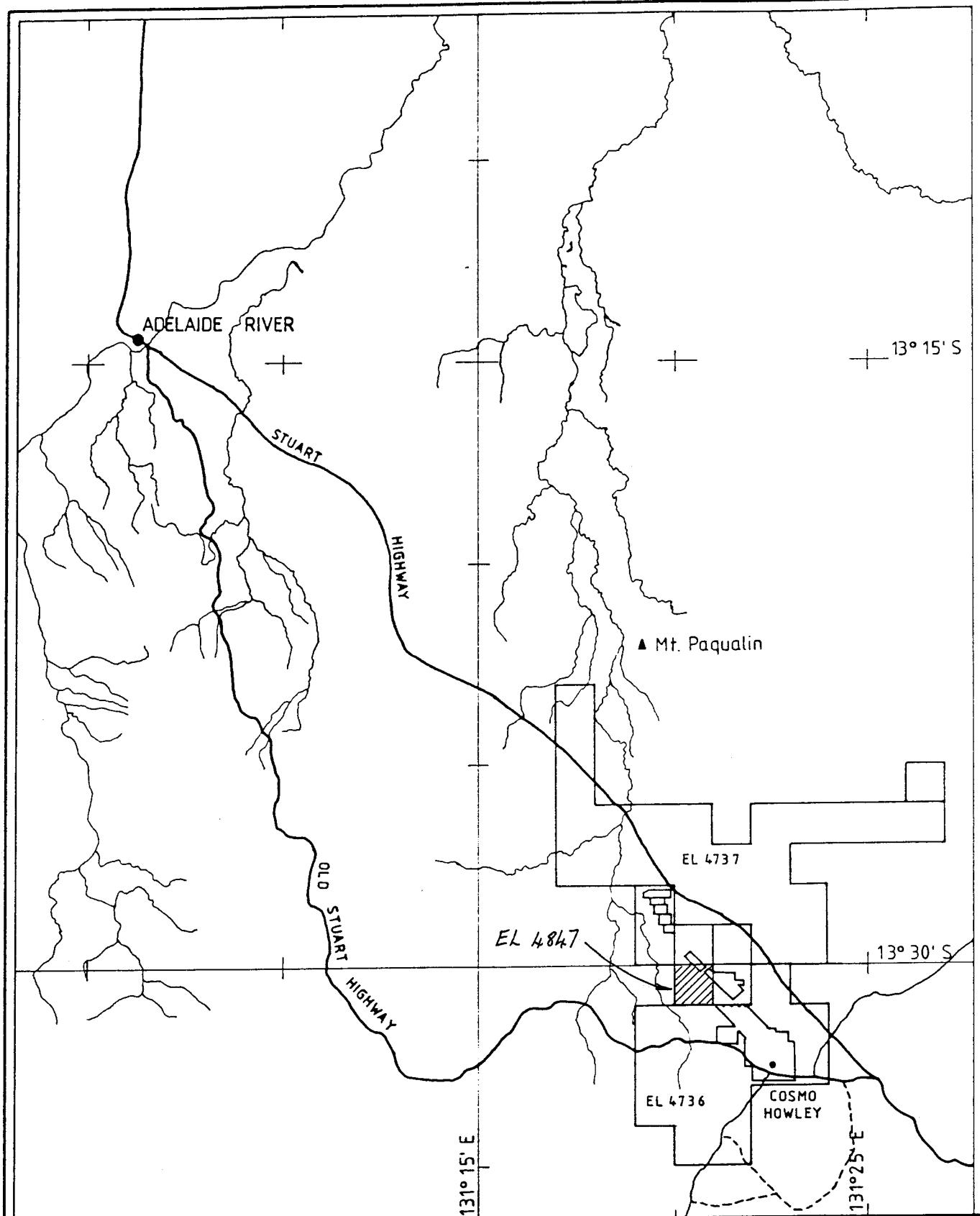
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3. INTRODUCTION

The Mineral claims are within EL 4847 which is located about 40 km south east of Adelaide River. Access to the area is via the Big Howley track leading off the Stuart Highway or via the Old Stuart Highway along the Chinese Howley road (see figure 1)

During the period, Northern Gold has carried out work consisting of drilling, mapping and geochemical sampling as part of a large exploration programme.

Metana Minerals NL has the right to explore and mine alluvial gold under a joint venture agreement with Northern Gold.



Northern Gold N.L.

Scale 1:250 000

Compiled by

Drawn by R.M.

Date December '87

No.

**TENEMENT
LOCATION MAP**

FIG 1

MCN 1012 - 1015

4. Geology

Sediments of the South Alligator and Finniss River groups outcrop in the area of EL 4847. These are tightly folded across the central part of EL 4847 and form the Howley Anticline, a major structural feature extending from the Cosmopolitan Howley in the south through Mt Papualin 25 kilometres north.

Along the Howley Ridge, the eastern limb of the anticline dips from 60 - 80 degrees whilst the eastern limb is steeply dipping to slightly overturned in some places. A steep westerly dipping slaty cleavage parallels the fold axis.

Gold is known to occur along the anticlinal ridge associated with quartz vein stockworks, saddle reefs and as stratiform lenses. Mineralization reached economic grade at the Cosmopolitan Howley, the historical Chinese Howley and Big Howley mines.

Weathering has shed gold into alluvial deposits on or near the Howley Ridge and numerous historical Chinese workings mark many such deposits. Recent exploration by Metana and others indicate alluvial gold is present away from the Howley ridge in a gravel blanket 1-3m thick below a silt overburden.

A more complete presentation of the geology and mineralization is given by Nicholson & Eupene (1984).

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5. Summary of Previous Work in the area of the Mineral Claims

EL 4847 was previously held by Northern Gold as EL 4226 and work undertaken that time included costeaning and channel sampling for gold, geological mapping and stream sediment sampling. The work has been fully reported by Nicholson (1988, 1984 and 1985) Richardson (1985) and Wills (1986).

Since granting of EL 4847, work has been orientated toward the location and evaluation of alluvial gold occurrences. Richardson (1987, 1988).

Northern Gold recommenced handrock exploration on EL 4847 and the mineral claim in September 1987. Work undertaken includes an aerial geophysical survey, surveying the location of tenement boundaries, road and track upgrading and general reconnaissance. Mckensie (1988).

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6. Work Completed to 24.6.88

Work completed in the period 25.6.87 to 24.6.88 comprised the following:-

6.1 Baseline Survey

Extension of the Bridge Creek - Howley Ridge baseline across MCN's 1012 - 1015 was completed along line 45000 E at 145 T bearing using compass and tape. Pegs were placed at 50m intervals and several grid lines were placed at right angles to facilitate mapping, sampling and hole layout.

6.2 Mapping and Prospecting

Mapping and prospecting was undertaken along the west side of the Howley Ridge with old workings being inspected and costeans mapped. A small area on MCN 1015 was grid mapped at 1:1,000 scale. Refer plan No. 281

6.3 Drilling

Drilling was undertaken on two lines in the MCN's and were placed adjacent to old costeans which showed anomalous gold values up to 0.5g/t over several metres. Drilling was conducted using fences of holes to test for continuity of mineralization. Table 1 below lists holes drilled in each tenement.

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<u>Tenenent</u>	<u>No. of Holes</u>	<u>Metres Drilled</u>	<u>Hole No's</u>
MCN 1012	3	300	CH 4,6,7
MCN 1015	4	382	CH 1,2,3,5

Drilling was contracted to Civil Resources Ltd, a Western Australian based company specialising in reverse circulation drilling techniques.

The rig used was an Ingersoll Rand T4 drill mounted on a tandem drive crane carrier truck. The support vehicle was an Atkinson tandem drive truck. A 3 man crew comprising driller, drill offsider and sampler was employed for the job. A fourth person was available for maintenance, repairs and other duties.

All drill holes were sampled in one (1) metre intervals. Samples were bagged into calico bags for assay (normally 1-2Kg) and plastic bags (normally 10-20Kg) for retention on site. A small plastic vile was retained from each metre for the reference and storage at the Adelaide River office of Northern Gold.

Drill logging data was entered to computer using a geological software package called "Micromine". This package enables sophisticated data manipulation to be carried out and cross sections and plans to be created.

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Sample splitting was carried out on site by the drilling crew. In dry ground, the cuttings were directed through a cyclone into a collection bag then at the end of each metre, this bag was removed and put through a cascade type riffler to give a one eighth split. Wet samples were directed through a different cyclone then through a rotary splitter which was set up to give an assay sample weight of approximately 2kg for each 1m drilled.

Samples for assay were collected and forwarded to Analabs in Darwin for analysis. All drill samples were analysed by fire assay techniques.

Upon completion of drilling, contract surveyors Qasco Northern Surveys were instructed to resurvey the exact collar locations and to provide reduced levels for all holes.

Results of all drilling are presented as Appendix 1 accompanying this report. Drill cross sections at 1:500 scale are included with this report.

Results indicate widespread anomalous gold values throughout the Mount Bonnie Formation. Numerous intersections average 0.5 g/t or better over tens of metres, however very few values over 1 g/t were received.

6.4 Earthmoving & Drill Site Preparation

A contract D8 Bulldozer was hired to provide access and drill hole parts in the central part of the Howley Ridge. An International Hough 530 front end loader was contracted to upgrade roads, clear grid lines and construct pads in less hilly areas.

6.5 Geochemical Soil Sampling

Approximately 99 surface soil samples were taken on several traverse lines crossing the MCN's. Lines were orientated east-west along tenement boundaries and are part of detailed regional exploration.

Samples were taken at 10m intervals, sieved to - 2mm and composited over 50 m intervals. The composites were analysed by bulk leach (BLEG) methods with a detection limit of 0.1 ppb. Results of this work are plotted on part plan no. 317. Assay results are included as appendix 2.

7. Recommendations

Results from drilling and geochemical sampling obtained to date show that a full appraisal of the MCN's must be conducted in reference to more regional detailed work.

Structural mapping with emphasis on veining, faulting and fold plunge directions should be carried out over the MCN's and into the surrounding locality.

Regional soil geochemistry should be continued over the MCN's and surrounds to complete work carried out to date.

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Expenditure

Expenditure has been estimated from 25.6.87 to 24.6.88

Base line and gridding work	2,000
Mapping & Prospecting	1,500
Drilling	
Contract Drilling	30,690
Analyses	8,180
Geological Supervision	1,500
Sampling items	1,360
Earthmoving and drill site preparation	1,500
Geochemical Soil Sampling	
Sample collection	1,980
Sample items	50
Analyses	280
Drill hole survey	1,000
Camp accommodation and messing	2,200
Report compilation	900
Vehicles @ \$60/day	720
	53,860
10%	5,386
GRAND TOTAL	\$59,246

MCN's 1012 - 1015

9. References

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Exploration Activity in El 4847. 21 January 1987-20
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MCN'S 1012 -1015

APPENDIX 1

REVERSE CIRCULATION DRILLING LOGS

HOLE NO	TENEMENT	EASTING	NORTHING	RL	DEPTH	START	FINISH	AZIMUTH	DIP
CH1	MCN1015	45206.06	49645.65	128.07	100.0	21/03/88	22/03/88	90	-60
CH2	MCN1015	45186.74	49645.64	129.11	100.0	22/03/88	22/03/88	90	-60
CH3	MCN1015	45166.95	49646.41	129.68	100.0	22/03/88	23/03/88	90	-60
CH4	MCN1012	44999.25	50850.93	128.25	100.0	23/03/88	24/03/88	90	-60
CH5	MCN1015	45131.37	49646.95	129.42	82.0	24/03/88	24/03/88	90	-60
CH6	MCN1012	45039.31	50850.67	131.03	100.0	24/03/88	25/03/88	90	-60
CH7	MCN1012	44960.69	50850.86	129.23	100.0	25/03/88	27/03/88	90	-60

NORTHERN GOLD N.L.

MICROMINE GEOLOGICAL DATA BASE
FORMAT EXPLANATIONS

HOLE NO	FROM	TO	SAMPLE	AU	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH8	0	1	A11635	0.47	0.422	0.360	0.629	CLA	90BR/GRW10OR		
CH8	0	2	A11636	0.23	0.228			GRW	50KK/CLA45BR/QTZ5	5	
CH8	1	2	A11637	0.25	0.254			GRW	50/SIL50KK/LIMTR/QTZTR/PYRTR	IR	TR
CH8	2	3	A11638	0.18	0.177			SIL	90KK/GRW10KK/LIMTR/FETR		
CH8	3	4	A11639	0.16	0.160			SIL	80/GRW20/LIMTR/FETR		
CH8	4	5	A11640	0.22	0.224			GRW	95KK/LIMS		
CH8	5	6	A11641	0.26	0.261			GRW	90/SIL5GR/LIMTR/QTZ5/FETR		
CH8	6	7	A11642	0.07	0.073			GRW	100KK/LIMTR/FETR		
CH8	7	8	A11643	0.04	0.035			GRW	90/LIM10		
CH8	8	9	A11644	0.04	0.044		0.043	GRW	90/LIMS/FES/QTZTR		
CH8	9	10	A11645	0.11	0.109			GRW	95/LIMS/QTZTR		
CH8	10	11	A11646	0.05	0.051			GRW	90/LIMS/QTZ5		
CH8	11	12									

SUL Total sulphide content of sample

QTZ Quartz content of sample

ID1 LITHOLOGY

eg. CLA 90BR/GRW10 OR
Indicates diminatant rock type (ID1)
being CLAY 90% Brown with secondary
rock type GREYWACKE 10% Orange

N.B. Percentage should equal 100

Gold Values (ppm)

AU3 Duplicate assay from sample pulp

AU2 Second split of Aul

AU1 First split of sample pulp
(- = <0.008)

AU AV Average of AU1, AU2 and AU3
N.B. <0.008 assumed zero for averages

Depth To (metre)

Depth From (metre)

GEOLOGY DRILL LOGGING CODES

ROCK TYPE

Arsenopyrite	APY	Hematite	HEM
Banded Iron	BIF	Limonite	LIM
Barite	BAR	Malachite	MAL
Chalcopyrite	CPY	Mica	MIC
Chert	CHT	Micaceous Greywacke	MGRW
Cherty Greywacke	CGRW	Muscovite	MUS
Cherty Shale	CSHL	Pyrite	PYR
Cherty Silt	CSIL	Pyromorphite	PYM
Cherty Tuff	CTUF	Quartz	QTZ
Chlorite	CLR	Sandstone	SST
Clay	CLA	Shale	SHL
Dolerite	DOL	Siltstone	SIL
Feldspar	FEL	Soil	SOL
Ferruginous	FER	Sulphides	SUL
Ferruginous Jointing	FEJ	Tuff	TUF
Galena	GAL	Tuffaceous Siltstone	STUF
Greywacke	GRW	Tourmaline	TOR
Gold	AU	Tourmaline/Qtz	TOQ
Gossan	GOS		

COLOUR

Black	BK	Red	RD
Brown	BR	Red/Brown	RDBR
Green	GR	White	WT
Grey	GY	Yellow	YE
Khaki	KK	Yellow/Brown	YEVR
Orange	OR	Light	LT
Purple	PP	Dark	DK

HOLE NO	FROM	TO	SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH1	0	1	A10953	0.24	0.240			CLA	CLASORDBR/SST500R/QTZTR	TR	
CH1	1	2	A10954	0.27	0.274			SST	900RKK/SIL30KK/CLA10RD/QTZTR	TR	
CH1	2	3	A10955	0.07	0.051		0.085	SST	900R/SIL10/LIMTR		
CH1	3	4	A10956	0.06	0.062			GRW	95KK/SIL5KK/LIMTR/FETR	TR	
CH1	4	5	A10957	0.13	0.128			QTZ	70/GRW30/SILTR/LIMTR/FETR	70	
CH1	5	6	A10958	0.21	0.205			GRW	55/SIL20/QTZ10/FE3/LIMTR	10	
CH1	6	7	A10959	0.97	1.113	0.832		QTZ	80/GRW20/LIMTR	80	
CH1	7	8	A10960	1.64	2.086	1.335	1.497	SIL	94KK/QTZ5/LIM1/FETR	5	
CH1	8	9	A10961	2.01	1.764	2.063		SIL	77KK/GRW10KK/QTZ10/FE3/LIMTR	10	
CH1	9	10	A10962	0.59	0.593			SIL	98/LIM2/FETR/QTZTR	TR	
CH1	10	11	A10963	0.10	0.102			GRW	99KK/LIM1		
CH1	11	12	A10964	0.02	0.021			SIL	98KK/LIM1/QTZ1	1	
CH1	12	13	A10965	0.06	0.058			GRW	90KK/SIL40GR/LIMTR		
CH1	13	14	A10966	0.29	0.290			SIL	98KK/LIM2		
CH1	14	15	A10967	0.89	0.990	0.791		SIL	94KK/LIM5/QTZ1	1	
CH1	15	16	A10968	0.20	0.201			GRW	88KK/SIL10KK/LIM2/FETR/QTZTR	TR	
CH1	16	17	A10969	0.15	0.151			SIL	98KK/LIM2/QTZTR	TR	
CH1	17	18	A10970	0.06	0.061			SIL	98KK/LIM1		
CH1	18	19	A10971	0.77	0.770			GRW	70KK/SIL29KK/LIM1/QTZTR	TR	
CH1	19	20	A10972	0.07	0.069			GRW	99/LIM1		
CH1	20	21	A10973	0.30	0.298			GRW	67/SIL30KK/LIM1		
CH1	21	22	A10974	1.16	1.127	1.184		GRW	73/SIL20GR/QTZ1/LIM1	1	
CH1	22	23	A10975	0.09	0.092			GRW	73/SIL20GR/LIM2		
CH1	23	24	A10976	0.38	0.380			GRW	98KK/LIM1/QTZ1	1	
CH1	24	25	A10977	0.04	0.042			GRW	70GR/CHT29GR/LIM1		
CH1	25	26	A10978	0.53	0.546	0.520		GRW	87/CHT10GR/QTZ2/LIM1	2	
CH1	26	27	A10979	1.26	1.452		1.068	GRW	79/CHT20GR/LIM1		
CH1	27	28	A10980	0.50	0.499			SIL	91GR/CHT5GR/QTZ3/LIM1	3	
CH1	28	29	A10981	0.15	0.151			SIL	97/QTZ2/LIM1	2	
CH1	29	30	A10982	0.10	0.101			SIL	89/QTZ10/FETR	10	
CH1	30	31	A10983	0.07	0.068			SIL	88GR/CHT10GR/QTZ2/FETR	2	
CH1	31	32	A10984	0.05	0.050			SIL	70GR/CHT20GR/GRW10GR/QTZTR	TR	
CH1	32	33	A10985	0.84	0.939	0.803	0.787	SIL	75/GRW15GR/TUF5GR/QTZ5/PYRTR	5	
CH1	33	34	A10986	0.10	0.104			SIL	49/GRW45GR/TUF5GR/QTZ2	2	
CH1	34	35	A10987	0.05	0.057	0.052	0.050	SIL	75/GRW20GR/QTZ5/PYRTR	5	TR
CH1	35	36	A10988	0.08	0.082	0.072	0.096	GRW	59GR/CSIL25GR/CTUF5GR/QTZ2	2	
CH1	36	37	A10989	0.01	-	0.009	0.008	GRW	80GR/CHT20GR		
CH1	37	38	A10990	0.00	-	-	-	CTUF	50GR/CSIL20GR/QTZTR/PYRTR	TR	TR
CH1	38	39	A10991	0.14	0.134	0.136		CSIL	90GR/CHT10GR/QTZTR	TR	
CH1	39	40	A10992	1.58	2.660	2.228	0.159	CSIL	90/CHT5/QTZ5/PYRTR	5	TR
CH1	40	41	A10993	0.22	0.174	0.257		GRW	100GR		
CH1	41	42	A10994	0.10	0.086	0.106		CSIL	100/PYRTR/QTZTR	TR	TR
CH1	42	43	A10995	0.19	0.170	0.201	0.185	GRW	95GR/CHT5GR/QTZ2/PYRTR	2	TR
CH1	43	44	A10996	0.05	0.049	0.044		CSIL	75GR/CHT23GR/QTZ2/PYRTR	2	
CH1	44	45	A10997	0.02	0.020	0.019		CSIL	95/CHT5GR/QTZTR	TR	
CH1	45	46	A10998	0.01	0.015	0.012		CSIL	90/CHT10GR/QTZTR	TR	
CH1	46	47	A10999	0.02	0.020	0.021	0.021	CSIL	98/QTZ2/PYRTR	2	TR
CH1	47	48	A11000	0.01	0.009	0.008	-	GRW	70GR/CHT30GR/PYRTR	TR	
CH1	48	49	A11001	0.03	0.033	0.022		CTUF	70/CHT30GR/QTZTR	TR	
CH1	49	50	A11002	0.02	0.017	0.014		CSIL	69GR/CHT30GR/PYR	1	

HOLE NO	FROM	TO	SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH1	50	51	A11003	0.03	0.029	0.027		CSIL	70/GRW30GR/QTZTR/PYRTR	TR	TR
CH1	51	52	A11004	0.54	0.347	0.740		CTUF	90GR/CHT10GR/QTZTR/PYRTR	TR	TR
CH1	52	53	A11005	0.07	0.073	0.074		CSIL	95GR/CHT5GR/PYRTR		
CH1	53	54	A11006	0.18	0.179			CSIL	100/QTZTR/PYRTR	TR	TR
CH1	54	55	A11007	0.02	0.027	0.021		CSIL	50/GRW50GR/QTZTR/QTZTR	TR	TR
CH1	55	56	A11008	0.01	0.011	0.010		CTUF	100GR/QTZTR	TR	
CH1	56	57	A11009	0.06	0.058	0.062		CTUF	100/PYRTR		TR
CH1	57	58	A11010	0.23	0.232			CTUF	75GR/CSIL10GR/CHT10GR/QTZ5/PY	5	TR
CH1	58	59	A11011	0.02	0.017	0.018		CTUF	50GR/CHT50GR/QTZTR		
CH1	59	60	A11012	0.45	0.523	0.381		CSIL	70GR/CHT30GR		
CH1	60	61	A11013	1.08	0.972	1.183		CSIL	100GR/QTZTR/PYRTR	TR	TR
CH1	61	62	A11014	0.32	0.322	0.320		CSIL	99/QTZ1/PYRTR	1	TR
CH1	62	63	A11015	1.07	0.902	1.246		CSIL	74BK/GRW20BK/QTZ5/PYR1	5	1
CH1	63	64	A11016	1.63	1.165	2.102		CSIL	97BK/QTZ3/PYRTR	3	TR
CH1	64	65	A11017	0.99	1.036	0.952		CSIL	88/GRW20GR/QTZ2/PYRTR	2	TR
CH1	65	66	A11018	2.58	2.856		2.305	CSIL	88/CHT20GR/QTZ2/PYRTR	2	TR
CH1	66	67	A11019	0.54	0.541			CTUF	80GR/CSIL20GR		
CH1	67	68	A11020	0.44	0.397	0.485		CTUF	80BR/CSIL20GR/QTZTR	TR	
CH1	68	69	A11021	0.89	0.865	0.773	1.032	CSIL	84GR/CHT5BR/QTZ10/PYR1	10	1
CH1	69	70	A11022	1.88	1.804	1.962		CSIL	84GR/CHT10BR/QTZ5/PYR1	5	1
CH1	70	71	A11023	1.56	1.342	1.785		CSIL	73/CHT20GR/QTZ5/PYR2	1	1
CH1	71	72	A11024	0.53	0.549	0.517		CTUF	100GR/CSILTR/QTZTR/PYRTR	TTR	TR
CH1	72	73	A11025	0.54	0.535			CTUF	95GR/QTZ5/PYRTR/APYTR	2	TR
CH1	73	74	A11026	0.93	0.762	1.088		CTUF	88BR/GRW10GR/QTZ2/PYRTR	2	TR
CH1	74	75	A11027	0.96	1.182	0.734		CTUF	60GR/GRW30GR/QTZ10/CSILTR/PTR	10	TR
CH1	75	76	A11028	1.68	3.068	1.437	0.536	CTUF	50GR/GRW45GR/QTZ5/PYRTR	5	TR
CH1	76	77	A11029	0.83	0.927	0.728		CTUF	50GR/CHT40GR/QTZ5/PYR1	5	1
CH1	77	78	A11030	0.54	0.492	0.594		CTUF	60/CHT8R/QTZ5/PYRTR	5	TR
CH1	78	79	A11031	0.23	0.258	0.208		CTUF	35BR/CSIL35GR/GRW27GR/QTZ3/PY	3	TR
CH1	79	80	A11032	0.15	0.158	0.137		GRW	75GR/CHT20BR/QTZ5/PYRTR		TR
CH1	80	81	A11033	0.30	0.317	0.275		GRW	90/CHT5BR/QTZ5/PYRTR	5	TR
CH1	81	82	A11034	0.23	0.237	0.222		GRW	65/CSIL20GR/CHT10BR/QTZ5/PYTR	5	TR
CH1	82	83	A11035	0.51	0.508			GRW	50/CHT35GR/QTZ10/PYR1	10	1
CH1	83	84	A11036	0.35	0.374	0.323		CTUF	80BR/GRW10GR/QTZ10/PYRTR	10	TR
CH1	84	85	A11037	0.12	0.116	0.116		CTUF	90BR/CSIL10GR/PYRTR		TR
CH1	85	86	A11038	0.17	0.163	0.167		CTUF	80BR/QTZ20/CSILTR/PYRTR	20	TR
CH1	86	87	A11039	0.20	0.197			CTUF	90GR/CSIL10GR/QTZ10/PYRTR	10	TR
CH1	87	88	A11040	3.87	3.606	4.140		GRW	50GR/CHT30GR/CSIL10GR/QTZ10/P	10	TR
CH1	88	89	A11041	0.61	0.609			GRW	60/CHT20/CSIL10/QTZ10/PYRTR	10	TR
CH1	89	90	A11042	0.29	0.288			GRW	50/CHT20BR/QTZ20/CSIL10/PYRTR	20	TR
CH1	90	91	A11043	0.21	0.205			CTUF	78GR/CSIL20GR/QTZ2	2	
CH1	91	92	A11044	0.50	0.497			GRW	55GR/CHT40BR/QTZ5/PYRTR	5	TR
CH1	92	93	A11045	0.88	0.882			GRW	89BK/QTZ10/PYR1	10	1
CH1	93	94	A11046	1.07	1.032	1.106		GRW	60GR/CHT35GR/QTZ5/PYRTR	5	TR
CH1	94	95	A11047	0.75	0.751			CTUF	80GR/CSIL10GR/GRW10/QTZTR		
CH1	95	96	A11048	0.27	0.272		0.265	CTUF	90BR/CSIL5GR/QTZ5	5	
CH1	96	97	A11049	0.39	0.392			CTUF	80/CSIL20GR/QTZTR/PYRTR		TR
CH1	97	98	A11050	0.07	0.070			CTUF	80/CSIL20GR/QTZTR		TR
CH1	98	99	A11051	0.30	0.302			CSIL	75GR/CSIL20BR/QTZ5/PYRTR	5	TR
CH1	99	100	A11052	0.45	0.448			CTUF	60BR/FCSIL40GR/QTZTR/PYRTR	TR	TR

HOLE NO	FROM	TO SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH2	0	1 A11053	0.03	0.030			CLA	70BR/SST30TD/SILTR/QTZTR	TR	
CH2	1	2 A11054	0.02	0.023			CLA	50/SST50		
CH2	2	3 A11055	0.01	0.011			GRW	90KK/FE5/LIM5		
CH2	3	4 A11056	0.05	0.048			SIL	100KK/LIMTR/FETR		
CH2	4	5 A11057	0.02	0.015			SIL	80KK/GRW20KK/FETR/LIMTR/QTZTR	TR	
CH2	5	6 A11058	0.73	0.734			SIL	93/QTZ5/LIM2/FETR	5	
CH2	6	7 A11059	0.12	0.120			SIL	90/LIM5/QTZ5	5	
CH2	7	8 A11060	0.08	0.078			SIL	93/LIM5/QTZ2	2	
CH2	8	9 A11061	0.29	0.286			SIL	89/CHT5YE/LIM5/FE1/QTZTR	TR	
CH2	9	10 A11062	0.08	0.075			SIL	95/GRW5KK/LIMTR/FETR		
CH2	10	11 A11063	0.04	0.042			SIL	90KK/GRW5/LIM5/FETR		
CH2	11	12 A11064	0.02	0.023			SIL	78/FGRW10/LIM10/FE2/QTZTR	TR	
CH2	12	13 A11065	0.04	0.041			SIL	85/GRW10/LIM5/FE1		
CH2	13	14 A11066	0.11	0.110			SIL	60/GRW30KK/LIM10/FE1		
CH2	14	15 A11067	0.03	0.025			GRW	90KK/LIM10/FETR		
CH2	15	16 A11068	0.01	0.010			SIL	100KK/LIMTR/FETR		
CH2	16	17 A11069	0.01	0.012			SIL	95/GRW5KK		
CH2	17	18 A11070	0.14	0.141			LIM	70/QTZ30/SILTR	30	
CH2	18	19 A11071	0.06	0.055			SIL	90KK/GRW10KK/LIMTR/FETR/QTZTR	TR	
CH2	19	20 A11072	0.27	0.270			GRW	90KK/LIM10/QTZTR	TR	
CH2	20	21 A11073	0.27	0.271			GRW	83/LIM10/QTZ5/FE2	5	
CH2	21	22 A11074	0.08	0.080			GRW	100/FETR		
CH2	22	23 A11075	1.52	1.274	1.764		GRW	94/QTZ5/LIM1/FETR	5	
CH2	23	24 A11076	0.12	0.121			GRW	100/QTZTR/LIMTR/FETR	TR	
CH2	24	25 A11077	0.02	0.023			GRW	100/QTZTR/LIMTR/FETR	TR	
CH2	25	26 A11078	0.03	0.032			GRW	99/LIM1		
CH2	26	27 A11079	0.31	0.305			GRW	88/QTZ10/LIM2	10	
CH2	27	28 A11080	0.03	0.030			GRW	99/LIM1		
CH2	28	29 A11081	0.03	0.035	0.030		GRW	85/CHT15GY/LIM1		
CH2	29	30 A11082	0.01	0.011			GRW	40/CHT30/SIL30GR/LIMTR		
CH2	30	31 A11083	0.02	0.016			SIL	100GR/PYRTR/LIMTR		TR
CH2	31	32 A11084	0.01	0.008			GRW	100/LIMTR		
CH2	32	33 A11085	0.01	0.012			SIL	100KK/LIMTR/PYRTR		TR
CH2	33	34 A11086	0.06	0.058			CSIL	70GR/CHT30GR		
CH2	34	35 A11087	0.63	0.630			CSIL	100GY/QTZTR/PYRTR	TR	TR
CH2	35	36 A11088	0.45	0.454			CSIL	97/QTZ2/PYR1	2	1
CH2	36	37 A11089	1.16	1.143	1.169		GRW	50GY/CHT50GR/QTZTR/PYRTR	TR	TR
CH2	37	38 A11090	0.33	0.333			CSIL	75GY/CHT20GY/QTZ5/PYRTR	5	TR
CH2	38	39 A11091	0.13	0.128			CSIL	98/QTZ2/PYRTR	2	TR
CH2	39	40 A11092	0.09	0.089			CSIL	100/QTZTR/PYRTR	TR	TR
CH2	40	41 A11093	0.22	0.221			CSIL	100/QTZTR/PYRTR	TR	TR
CH2	41	42 A11094	0.04	0.039			GRW	70GY/CHT30GR		
CH2	42	43 A11095	0.06	0.058			GRW	90/CHT10		
CH2	43	44 A11096	0.04	0.041			GRW	70GY/CHT30/QTZTR	TR	
CH2	44	45 A11097	0.33	0.325			CSIL	100GY/QTZTR/PYRTR	TR	TR
CH2	45	46 A11098	0.98	1.227	0.735		GRW	70GY/CHT30GR/QTZTR/PYRTR	TR	TR
CH2	46	47 A11099	0.08	0.080			GRW	80/CHT20GY/QTZTR/PYRTR	TR	TR
CH2	47	48 A11100	0.20	0.196			CSIL	95GY/QTZ5/PYRTR	5	TR
CH2	48	49 A11101	0.02	0.022			CSIL	70/CHT30GR/QTZTR/PYRTR	TR	TR
CH2	49	50 A11102	0.02	0.017			CSIL	60/CHT40/QTZTR/PYRTR	TR	TR

HOLE NO	FROM	TO	SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH2	50	51	A11103	0.12	0.118				CSIL 60/CHT40/QTZTR/PYRTR	TR	TR
CH2	51	52	A11104	0.05	0.046				CTUF 60BR/GRW40GY/QTZTR/PYRTR	TR	TR
CH2	52	53	A11105	0.08	0.084				CSIL 50GY/CHT45GR/QTZ5	5	
CH2	53	54	A11106	0.06	0.064				CSIL 78/GRW20GY/QTZ2/PYRTR	2	TR
CH2	54	55	A11107	0.01	0.017		0.010		CTUF 60BR/GRW40GY/QTZTR	TR	
CH2	55	56	A11108	0.02	0.021				CTUF 100BR		
CH2	56	57	A11109	0.01	0.014				CSIL 50GY/CHT30GR/GRW20GY/QTZTR/PY	TR	TR
CH2	57	58	A11110	0.17	0.172				CSIL 94/QTZ5/PYR1	5	1
CH2	58	59	A11111	0.63	0.633				CSIL 94/QTZ5/PYR1	5	1
CH2	59	60	A11112	0.77	0.768				CSIL 85/CHT10GR/QTZ5/PYRTR	5	TR
CH2	60	61	A11113	0.10	0.096				CSIL 100GY/PYRTR		TR
CH2	61	62	A11114	0.00	-				GRW 90GY/CHT10GR		
CH2	62	63	A11115	0.05	0.047				CSIL 60GY/GRW40GY/QTZTR	TR	
CH2	63	64	A11116	0.05	0.053				GRW 50GY/CSIL45GY/QTZ5/PYRTR	5	TR
CH2	64	65	A11117	0.01	0.008				CSIL 80GY/CHT20GR/PYRTR		TR
CH2	65	66	A11118	0.30	0.297				CSIL 96BK/QTZ4/PYR1	4	1
CH2	66	67	A11119	0.03	0.025				GRW 55GY/CHT30GY/CSIL10GR/QTZ5	5	
CH2	67	68	A11120	0.24	0.239				CSIL 87GY/CHT10GR/QTZ3/PYRTR	3	TR
CH2	68	69	A11121	0.06	0.062				CTUF 45GR/CLSL45GY/QTZ5/PYRTR	5	TR
CH2	69	70	A11122	0.06	0.064				CSIL 75GY/CHT20GR/QTZ5/PYRTR	5	TR
CH2	70	71	A11123	0.10	0.113		0.087		CSIL 97BK/QTZ3/PYRTR	3	TR
CH2	71	72	A11124	0.02	0.018				CSIL 90/CHT10GR		
CH2	72	73	A11125	0.05	0.054				CSIL 93GY/CHT5GR/QTZ2/PYRTR	2	TR
CH2	73	74	A11126	0.02	0.024				CSIL 94/CHT5GR/QTZ1/PYRTR	1	
CH2	74	75	A11127	0.09	0.088				CSIL 93/CHT5GR/QTZ2/PYRTR	2	TR
CH2	75	76	A11128	0.08	0.080				CSIL 94/QTZ5/PYR1	5	1
CH2	76	77	A11129	0.06	0.064				CSIL 99/PYR1/QTZTR	TR	1
CH2	77	78	A11130	0.12	0.124				CSIL 50/CHT48GR/QTZ2/PYRTR	2	TR
CH2	78	79	A11131	0.35	0.350				CSIL 50/CHT49GR/QTZ1	1	
CH2	79	80	A11132	0.06	0.063				CSIL 85/CHT10BR/QTZ5/PYRTR	5	TR
CH2	80	81	A11133	0.05	0.049				CSIL 93/CHT5GR/QTZ2	2	
CH2	81	82	A11134	0.22	0.821				CSIL 94/CHT5BR/QTZ1/PYRTR	1	TR
CH2	82	83	A11135	0.02	0.021				CSIL 98/QTZ2/PYRTR	2	TR
CH2	83	84	A11136	0.04	0.035				CSIL 69/GRW20GY/CTUF10GR/QTZ1/PYTR	1	TR
CH2	84	85	A11137	0.05	0.047				CSIL 100/QTZTR/PYRTR	TR	TR
CH2	85	86	A11138	0.10	0.103				CTUF 100GRBR		
CH2	86	87	A11139	0.03	0.028				CHT 95BR/CHT5BR		
CH2	87	88	A11140	0.38	0.420	0.569	0.148		CSIL 93GR/CHT5GR/LIM2/PYRTR		TR
CH2	88	89	A11141	0.98	0.977				CSIL 99/QTZ1/PYRTR	1	TR
CH2	89	90	A11142	0.78	0.782				CSIL 50/CHT45GY/CHT5GR/PYRTR		
CH2	90	91	A11143	0.33	0.332				CTUF 100BRGY		
CH2	91	92	A11144	1.33	1.278	1.385			CTUF 100		
CH2	92	93	A11145	0.81	0.807				CHT 85GYBR/QTZ15/PYRTR	15	TR
CH2	93	94	A11146	0.64	0.638				GRW 60GY/CHT40GRGY		
CH2	94	95	A11147	0.48	0.475				GRW 50/CSIL28GY/CHT20GY/QTZ2/PYTR	2	
CH2	95	96	A11148	0.63	0.625				CHT 80BR/GRW20GY/PYRTR		TR
CH2	96	97	A11149	0.05	0.045				CHT 70/GR220/CHT10BR/PYRTR		TR
CH2	97	98	A11150	0.17	0.171				GRW 78GY/CHT20BR/QTZ2/PYRTR	2	TR
CH2	98	99	A11151	0.56	0.547	0.566			GRW 80/CHT20BR/QTZTR/PYRTR	TR	TR
CH2	99	100	A11152	1.29	1.463	1.112			GRW 93/QTZ5/PYR2	5	2

HOLE NO	FROM	TO SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH3	0	1 A11153	0.03	0.032			GRW	60RB/SIL40RB/FEJTR		
CH3	1	2 A11154	0.02	0.024			SIL	60GY/GRW20/CHT20/FEJTR		
CH3	2	3 A11155	0.02	0.016			SIL	90GY/CLA10/FEJTR		
CH3	3	4 A11156	0.01	0.014			SIL	80GY/CHT20/FEJTR		
CH3	4	5 A11157	0.02	0.020			SIL	70G/GRW15/CHT15/FEJTR/QTZTR	TR	
CH3	5	6 A11158	0.03	0.025			SIL	80GY/GRW10/CHT10/FEJTR		
CH3	6	7 A11159	0.07	0.071			SIL	60GY/GRW40/QTZTR/FEJTR	TR	
CH3	7	8 A11160	0.03	0.032			SIL	60GY/GRW40/QTZTR/FEJTR	TR	
CH3	8	9 A11161	0.01	0.014			SIL	80GY/GRW20/FEJTR		
CH3	9	10 A11162	0.02	0.015			GRW	70LTGY/SIL20/CHT10/FEJTR		
CH3	10	11 A11163	0.00	-			CHT	700R/GRW30/FEJTR		
CH3	11	12 A11164	0.02	0.021			CHT	70GR/CHT200R/CLA10/FEJTR		
CH3	12	13 A11165	0.01	0.008			CHT	80GR/CHT200R/FEJTR		
CH3	13	14 A11166	0.14	0.144			SIL	80BRGY/GRW20/FEJTR		
CH3	14	15 A11167	0.03	0.028			SIL	80GY/GRW20LTBR/FEJTR		
CH3	15	16 A11168	0.04	0.043			GRW	80BR/SIL10BR/SIL10GY		
CH3	16	17 A11169	0.02	0.023			GRW	100BR/FEJTR		
CH3	17	18 A11170	0.03	0.028			GRW	50BR/SIL50BR		
CH3	18	19 A11171	0.01	0.015		0.010	SIL	90BR/GRW10BR		
CH3	19	20 A11172	0.00	-			GRW	100BR		
CH3	20	21 A11173	0.00	-			SIL	60GYBR/GRW40BR/FEJTR		
CH3	21	22 A11174	0.01	0.010			GRW	70BR/SIL25BR/QTZ5		
CH3	22	23 A11175	0.17	0.170			SIL	80BR/GRW20BR/FEJTR		
CH3	23	24 A11176	0.02	0.018			SIL	90BR/GRW10/FEJTR		
CH3	24	25 A11177	13.26	17.230	17.540	5.020	SIL	100GYBR/FERTR		
CH3	25	26 A11178	0.92	0.923			GRW	80GYBR/SIL20/FEJTR		
CH3	26	27 A11179	0.03	0.034			GRW	100GYBR/FEJTR		
CH3	27	28 A11180	0.01	0.011			GRW	90GY/GRW10BR/FEJTR		
CH3	28	29 A11181	0.04	0.036			GRW	70GY/SIK30GYBR		
CH3	29	30 A11182	0.10	0.104			GRW	100GY/FEJTR		
CH3	30	31 A11183	0.36	0.360			GRW	98GY/QTZ2/LIMTR/PYRTR	2	TR
CH3	31	32 A11184	1.39	1.385	1.395		GRW	95GY/QTZ5/PYR1/LIMTR	5	1
CH3	32	33 A11185	0.63	0.632			GRW	100GY/QTZTR/LIMTR		
CH3	33	34 A11186	0.68	0.679			GRW	70GY/CHT30/LIMTR		
CH3	34	35 A11187	0.16	0.163			SIL	50GY/GRW30GY/CHT20		
CH3	35	36 A11188	0.17	0.170			GRW	90GY/CHT10GR/PYRTR		
CH3	36	37 A11189	0.04	0.043			GRW	90GY/CHT10GR/PYRTR		
CH3	37	38 A11190	0.04	0.036			CHT	80GR/SIL20GY		
CH3	38	39 A11191	0.29	0.291			GRW	50GY/GRW50GR/PYRTR/CHTTR		
CH3	39	40 A11192	0.03	0.026			GRW	80GR/GRW15GY/CHT5/PYRTR		
CH3	40	41 A11193	0.00	-			GRW	70GY/SIL20GY/GRW10GR/CHTTR		
CH3	41	42 A11194	0.02	0.023			GRW	80GR/GRW10GY/CHT5/QTZ5		
CH3	42	43 A11195	0.03	0.033			GRW	70GY/CHT20/QTZ8/CON2	5	
CH3	43	44 A11196	0.05	0.050			GRW	70GY/CHT25/QTZ5	8	
CH3	44	45 A11197	0.08	0.083			SIK	90GY/GRW5/CHT3/QTZ2	5	
CH3	45	46 A11198	0.03	0.029			GRW	70GY/SIL30GY	2	
CH3	46	47 A11199	0.02	0.015			GRW	80GY/CHT20GR		
CH3	47	48 A11200	0.01	0.011			SIL	90GY/GRW5/CHTS/PYRTR		
CH3	48	49 A11201	0.03	0.031			SIL	90GY/GRW5/CHTS/PYRTR		
CH3	49	50 A11202	0.00	-			SIL	60GY/GRW40		

HOLE NO	FROM	TO SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH3	50	51 A11203	0.02	0.010		0.025	SIL	100GY/GRWTR/PYRTR		
CH3	51	52 A11204	0.01	0.012			SIL	95GY/QTZTR/GRWTR/CHTTR	5	TR
CH3	52	53 A11205	0.03	0.026			GRW	90GY/CHT8GR/QTZ2		
CH3	53	54 A11206	0.32	0.315			GRW	80GY/SIL10GY/TUF10LTGY/QTZTR		
CH3	54	55 A11207	0.05	0.051			SIL	100GY/GRWTR/CONTR		
CH3	55	56 A11208	0.01	0.013			SIL	95GY/QTZ3/PYR2	3	2
CH3	56	57 A11209	0.02	0.017			SIL	100GY/QTZTR/PYRTR	TR	TR
CH3	57	58 A11210	0.02	0.018			SIL	80GY/GRW20/QTZTR/PYRTR	TR	TR
CH3	58	59 A11211	0.59	0.587			GRW	80GY/QTZ20/PYRTR	20	TR
CH3	59	60 A11212	0.59	0.594			GRW	100GY/QTZTR/PYRTR	TR	TR
CH3	60	61 A11213	0.59	0.588			GRW	94GY/CHT5/PYR1		1
CH3	61	62 A11214	0.10	0.104			SIL	70GY/GRW30GY/CHTTR/PYRTR		
CH3	62	63 A11215	0.10	0.039		0.151	SIL	70GY/GRW20GY/CHT10/QTZTR/PYTR	TR	TR
CH3	63	64 A11216	1.09	1.163	1.013		SIL	95GY/QTZ5/PYRTR	5	TR
CH3	64	65 A11217	0.17	0.173	0.157		SIL	80GY/GRW10/QTZ8/PYR2	8	2
CH3	65	66 A11218	0.19	0.185			SIL	98GY/QTZ2/PYRTR	2	TR
CH3	66	67 A11219	0.25	0.250			SIL	60GY/GRW30/CHT10GR/QTZTR	TR	
CH3	67	68 A11220	0.14	0.135			SIL	60GY/CHT35/QTZ5	5	
CH3	68	69 A11221	0.09	0.091			CHT	70GR/SIL20/QTZ10	10	
CH3	69	70 A11222	0.11	0.113			CHT	80GR/SIL15/QTZ5/PYRTR	5	TR
CH3	70	71 A11223	0.08	0.084			SIL	50GY/CHT30/GRW20/QTZTR/PYRTR	TR	TR
CH3	71	72 A11224	0.04	0.038			GRW	70GYBR/CHT30BR/PYRTR		
CH3	72	73 A11225	0.05	0.046			CHT	50BR/GRW30GY/SIL20		
CH3	73	74 A11226	0.15	0.154			SIL	70GY/CHT30BR/PYRTR		TR
CH3	74	75 A11227	0.21	0.206			SIL	80GY/GRW10/CHT10BR		
CH3	75	76 A11228	0.14	0.138			SIL	100GY/GRWTR/CHTTRBR		
CH3	76	77 A11229	0.16	0.162			SIL	80GY/CHT10GR/QTZ5	5	
CH3	77	78 A11230	0.52	0.523			SIL	90GY/QTZ6/CHT2/PYR2	6	2
CH3	78	79 A11231	0.44	0.435			SIL	95GY/QTZ4/PYR1	4	1
CH3	79	80 A11232	0.05	0.054			CHT	70GR/SIL20GY/QTZTR/PYRTR	TR	TR
CH3	80	81 A11233	0.54	0.540			SIL	90GY/CHT8/QTZ1/PYR1	1	1
CH3	81	82 A11234	0.40	0.358		0.434	SIL	90GY/CHT8/QTZ1/PYR1	1	1
CH3	82	83 A11235	0.67	0.669			'SIL	90GY/GRW10		
CH3	83	84 A11236	0.08	0.080			SIL	90GY/QTZ10/CHTTRGR	10	
CH3	84	85 A11237	0.16	0.157			GRW	60GY/SIL40GY		
CH3	85	86 A11238	0.75	1.332	0.870	0.051	SIL	90GY/CHT10/QTZTR		
CH3	86	87 A11239	0.06	0.057			SIL	94GY/QTZ4/PYR2	4	2
CH3	87	88 A11240	0.21	0.211			SIL	95GY/PYR3/CHT2		
CH3	88	89 A11241	0.18	0.176			CHT	50GR/SIL40GY/QTZ10/PYRTR	10	
CH3	89	90 A11242	0.07	0.074			SIL	60GY/CHT30/QTZ9/PYR1		1
CH3	90	91 A11243	0.01	0.013			SIL	100GY/CHTTR		
CH3	91	92 A11244	0.28	0.278			GRW	60GY/SIL35/QTZ5/PYRTR	5	TR
CH3	92	93 A11245	0.04	0.037			GRW	60GY/SIL38GY/QTZ2/PYRTR	2	TR
CH3	93	94 A11246	0.03	0.029			SIL	60GY/GRW40/QTZTR		
CH3	94	95 A11247	0.06	0.059			SIL	90GY/GRW8/QTZ1/CON1	1	
CH3	95	96 A11248	0.07	0.054	0.076		SIL	100GY/GRWTR/CONTR		
CH3	96	97 A11249	0.00	-			CHT	70BR/GRW20/SIL8/QTZ2	2	
CH3	97	98 A11250	0.00	-			SIL	80GY/CHT20BR/QTZTR		
CH3	98	99 A11251	0.01	0.009			SIL	70GY/GRW20/CHT5BR/FQTZ5	5	
CH3	99	100 A11252	0.00	-			GRW	60GY/SIL30/CHT10/QTZTR		

HOLE NO	FROM	TO	SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH4	0	1	A11253	0.09	0.086			CLA	90BR/SIL10KK		
CH4	1	2	A11254	0.07	0.074			CLA	97BR/QTZ3	3	
CH4	2	3	A11255	0.05	0.050			SIL	100BR/QTZTR		TR
CH4	3	4	A11256	0.73	0.787	0.663		SIL	90KK/GRW10KK		
CH4	4	5	A11257	0.32	0.316			SIL	90GY/GRW10KK		
CH4	5	6	A11258	0.51	0.513			SIL	55GY/GRW10KK/QTZ5	5	
CH4	6	7	A11259	0.02	0.024			SIL	98LTBR/QTZ2	2	
CH4	7	8	A11260	0.14	0.139			SIL	94GY/GRW5KK/LIM1		
CH4	8	9	A11261	0.22	0.218			SIL	99GY/LIM1		
CH4	9	10	A11262	0.11	0.111			GRW	60KK/SIL40GY/LIMTR		
CH4	10	11	A11263	0.21	0.220		0.189	GRW	69/SIL30/LIM1		
CH4	11	12	A11264	0.09	0.090			GRW	89/SIL10GR/LIM1		
CH4	12	13	A11265	0.01	0.011			GRW	950R/SIL5/LIMTR/FETR/QTZTR		TR
CH4	13	14	A11266	0.06	0.055			GRW	100KK/FETR/LIMTR		
CH4	14	15	A11267	0.00	-			SIL	100BR/LIMTR/FETR		
CH4	15	16	A11268	0.02	0.018			GRW	800R/SIL20BR/LIMTR/FETR		
CH4	16	17	A11269	0.08	0.080			SIL	100KK/LIMTR/FETR		
CH4	17	18	A11270	0.00	-			GRW	900R/SIL10GY/LIMTR/FETR		
CH4	18	19	A11271	0.00	-			GRW	9JJK/SIL5/LIM2/FETR		
CH4	19	20	A11272	0.01	0.014			GRW	800R/SIL50GY		
CH4	20	21	A11273	0.01	0.013			SIL	90GY/GRW100R/LIMTR		
CH4	21	22	A11274	0.08	0.084			SIL	94GY/GRW5/LIM1		
CH4	22	23	A11275	0.01	0.010			SIL	60/CHT40GR/LIMTR/FETR		
CH4	23	24	A11276	0.09	0.090			GRW	80GY/CHT20		
CH4	24	25	A11277	0.01	0.012			CHT	100GR		
CH4	25	26	A11278	0.00	-			CHT	99GY/LIM1		
CH4	26	27	A11279	0.02	0.015			GRW	60GY/SIL30GY/CHT10GR/LIMTR		
CH4	27	28	A11280	0.10	0.097			GRW	100GY/LIMTR		
CH4	28	29	A11281	0.00	-			GRW	100GYKK/LIMTR		
CH4	29	30	A11282	0.40	0.401			GRW	80GY/SIL20GY/LIMTR		
CH4	30	31	A11283	0.03	0.029			GRW	90GR/SIL10GY/LIMTR/QTZTR		TR
CH4	31	32	A11284	1.02	1.027	1.006		GRW	80GY/SIL20GY/LIMTR		
CH4	32	33	A11285	0.05	0.054	0.053		CSIL	100GY/LIMTR/QTZTR		TR
CH4	33	34	A11286	0.06	0.064			CSIL	100GY/LIMTR		
CH4	34	35	A11287	0.06	0.056			CSIL	98GY/QTZ2/PYRTR	2	TR
CH4	35	36	A11288	0.01	0.013			CSIL	68/CHT30GR/QTZ2	2	
CH4	36	37	A11289	0.02	0.015			GRW	50GY/CHT40GR/QTZ10	10	
CH4	37	38	A11290	0.01	0.008			GRW	80GY/CHT10GR/QTZ10	10	
CH4	38	39	A11291	0.03	0.025			GRW	85/CHT10/QTZ5	15	
CH4	39	40	A11292	0.00	-			CGRW	75GR/GRW20GY/QTZ5	5	
CH4	40	41	A11293	0.00	-			CGRW	90GR/GRW10/QTZTR		TR
CH4	41	42	A11294	0.02	0.021			CSIL	75GY/CHT20GR/QTZ5/PYRTR	5	TR
CH4	42	43	A11295	0.05	0.051			CSIL	75GY/CGRW20GR/QTZ5/PYRTR	5	
CH4	43	44	A11296	0.02	0.023			CGRW	95GY/QTZ5	5	
CH4	44	45	A11297	0.13	0.134			CGRW	85GRGY/CSIL10GY/QTZ5/LIMTR	5	
CH4	45	46	A11298	0.06	0.060			CGRW	89GYGR/CSIL5/QTZ5/LIM1/PYRTR	5	TR
CH4	46	47	A11299	0.77	0.710	0.835		CGRW	95GYGR/QTZ5/PYRTR	5	TR
CH4	47	48	A11300	0.56	0.561			CGRW	95GY/CHT5GY/QTZ3/LIM2/PYRTR	3	TR
CH4	48	49	A11301	0.56	0.565			CGRW	96GY/QTZ3/LIM1/PYRTR	3	TR
CH4	49	50	A11302	0.23	0.225			CGRW	70/QTZ30	30	

HOLE NO	FROM	TO SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH4	50	51 A11303	0.16	0.164			CGRW	90/QTZ10/PYRTR	10	TR
CH4	51	52 A11304	0.04	0.044			CGRW	95/QTZ5/PYRTR	5	TR
CH4	52	53 A11305	0.06	0.057			CGRW	95/QTZ5/PYRTR	5	TR
CH4	53	54 A11306	0.29	0.293			CGRW	89/QTZ10/PYR1	10	1
CH4	54	55 A11307	0.08	0.075			CGRW	90/CHT5GR/QTZ5/PYRTR	5	TR
CH4	55	56 A11308	0.04	0.036			CGRW	85/CSIL10GY/QTZ5/PYRTR	5	TR
CH4	56	57 A11309	0.02	0.024		0.016	CGRW	76/CSIL20/QTZ3/LIM1	3	
CH4	57	58 A11310	0.03	0.028			CGRW	87/CHT5GR/CSIL5GY/QTZ3/PYRTR	3	TR
CH4	58	59 A11311	0.17	0.167			CGRW	50/CSIL45GY/FEJ3/QTZ2/PYRTR	2	TR
CH4	59	60 A11312	0.07	0.072			CSIL	56GY/GRW40GY/FEJ3/QTZ1/PYRTR	1	TR
CH4	60	61 A11313	0.02	0.018			CGRW	70GR/CSIL25GY/QTZ3/FEJ2	3	
CH4	61	62 A11314	0.00	-			CGRW	100GY/QTZTR	TR	
CH4	62	63 A11315	0.00	-			CGRW	95/FEJ5/QTZTR	TR	
CH4	63	64 A11316	0.03	0.031			CGRW	98/QTZ2/FEJTR/PYRTR	2	TR
CH4	64	65 A11317	0.01	0.008			CGRW	100/QTZTR	TR	
CH4	65	66 A11318	0.00	-			CGRW	95/CHT5GR/FEJTR/QTZTR	TR	
CH4	66	67 A11319	0.02	0.016			CGRW	100/QTZTR	TR	
CH4	67	68 A11320	0.01	0.012			CGRW	98/CHT20GR/PYRTR	TR	TR
CH4	68	69 A11321	0.02	0.016			CGRW	95/QTZ3/CHT2	3	
CH4	69	70 A11322	0.02	0.015			CGRW	99/QTZ1/PYRTR	1	TR
CH4	70	71 A11323	0.03	0.025			CGRW	99/QTZ1/PYRTR	1	TR
CH4	71	72 A11324	0.03	0.034			CGRW	69/CSIL30GY/QTZ1/PYRTR	1	TR
CH4	72	73 A11325	0.02	0.024			CGRW	88/CHT10GR/QTZ2/PYRTR	2	TR
CH4	73	74 A11326	0.03	0.031			CGRW	88/CHT10GR/QTZ2/PYRTR	2	TR
CH4	74	75 A11327	0.01	0.010			CSIL	87GY/CHT10/QTZ3	3	
CH4	75	76 A11328	0.01	0.013			CGRW	70GY/CSIL29GY/QTZ1/PYRTR	1	TR
CH4	76	77 A11329	0.01	0.009			CGRW	70GY/SIL30		
CH4	77	78 A11330	0.01	0.008			CGRW	70GY/SIL30/CONTR		
CH4	78	79 A11331	0.01	0.009			CGRW	70GY/SIL30/CONTR/QTZTR	TR	
CH4	79	80 A11332	0.00	-			SIL	95BK/QTZ5/PYRTR	5	TR
CH4	80	81 A11333	0.01	0.014			SIL	98BK/QTZ2/PYRTR	2	TR
CH4	81	82 A11334	0.05	0.051			SIL	90BK/CHT7/QTZ2/PYR1	2	1
CH4	82	83 A11335	0.33	0.329			GRW	70GY/SIL29GY/QTZ1/PYRTR	1	TR
CH4	83	84 A11336	0.19	0.189			GRW	65GY/SIL30BK/QTZ3/CON2	3	
CH4	84	85 A11337	0.42	0.430	0.488	0.344	SIL	98BK/QTZ1/PYR1	1	1
CH4	85	86 A11338	0.19	0.192			SIL	98BK/PYR2	2	
CH4	86	87 A11339	0.12	0.124			SIL	99BK/PYR1	1	
CH4	87	88 A11340	0.19	0.192			SIL	98BK/QTZ1/PYR1	1	1
CH4	88	89 A11341	0.15	0.147			GRW	70GY/SIL20BK/CHT8/PYR2	2	
CH4	89	90 A11342	0.49	0.486			GRW	95GY/QTZ5/PYRTR	5	TR
CH4	90	91 A11343	2.29	2.681	2.489	1.702	SIL	80BK/GRW15/QTZ4/PYR1/APYTR	4	1
CH4	91	92 A11344	0.39	0.389			SIL	50BK/GRW30LTGY/CHT20GR		
CH4	92	93 A11345	0.05	0.051			SIL	70BK/GRW25GY/CHT5/PYRTR		
CH4	93	94 A11346	0.36	0.357			SIL	80BK/CHT15/QTZ5/PYRTR	5	TR
CH4	94	95 A11347	0.13	0.132			SIL	97BK/PYR2/QTZ1	1	2
CH4	95	96 A11348	0.04	0.040			GRW	80GY/CHT15/QTZ5/PYRTR	5	TR
CH4	96	97 A11349	0.04	0.039			CGRW	70GY/CHT30/PYRTR		
CH4	97	98 A11350	1.40	1.484	1.320		CGRW	80GY/CHT15/QTZ5/PYRTR	5	TR
CH4	98	99 A11351	0.58	0.581			CGRW	60GY/CHT30/QTZ5/PYR5/CPYTR	5	5
CH4	99	100 A11352	0.05	0.054			CGRW	70GY/CHT28GR/QTZ2/PYRTR	2	TR

HOLE NO	FROM	TO SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH5	0	1 A11353	0.06	0.059			CLA	70BR/SIL20BR/FETR/LIMTR/QTZTR		
CH5	1	2 A11354	0.04	0.042			CLA	50BR/GRW46BR/SIL10BR	TR	
CH5	2	3 A11355	0.02	0.019			CLA	50YE/GRW50LTBR/FETR		
CH5	3	4 A11356	0.01	0.011			GRW	60GY/SIL30GY/CLA10YERD		
CH5	4	5 A11357	0.02	0.023			GRW	75GYKK/SIL10/CLA10YE/QTZ5		
CH5	5	6 A11358	0.03	0.041		0.016	GRW	90KK/SIL10/CLA5YE/QTZTR		5
CH5	6	7 A11359	0.02	0.015			GRW	100/QTZTR		TR
CH5	7	8 A11360	0.14	0.141			GRW	94/SIL5GY/LIM1		
CH5	8	9 A11361	0.19	0.187			GRW	95/LIM5		
CH5	9	10 A11362	0.19	0.188			GRW	85/SIL10KK/LIM5/QTZTR		
CH5	10	11 A11363	0.81	0.804	0.811		SIL	98GY/LIM2		
CH5	11	12 A11364	0.06	0.062			GRW	80KK/SIL18GY/LIM2		
CH5	12	13 A11365	0.04	0.040			GRW	68/CSIL30GY/LIM2		
CH5	13	14 A11366	0.02	0.017			CSIL	70GY/GRW30KK/LIMTR		
CH5	14	15 A11367	0.00	-			TUF	100YE		
CH5	15	16 A11368	0.00	-			CHT	80/GRW15KK/TUF5YE		
CH5	16	17 A11369	0.02	0.020			CSIL	78/GRW20BR/LIM1/FE1		
CH5	17	18 A11370	0.03	0.032			CSIL	88/GR210/LIM1/FE1		
CH5	18	19 A11371	0.01	0.013			CSIL	100GY/LIMTR		
CH5	19	20 A11372	0.01	0.014			CSIL	79GY/GRW20KK/LIM1		
CH5	20	21 A11373	0.02	0.022			CSIL	94GY/GRW5/LIM1		
CH5	21	22 A11374	0.04	0.035			CSIL	98/QTZ2/LIMTR		
CH5	22	23 A11375	0.01	0.008			CSIL	80/GRW20KK/LIMTR		2
CH5	23	24 A11376	0.00	-			GRW	100GYBR		
CH5	24	25 A11377	0.01	0.010	0.015		GRW	1000RKK		
CH5	25	26 A11378	0.00	-			CGRW	100GRBR		
CH5	26	27 A11379	0.00	-			CHT	100GR		
CH5	27	28 A11380	0.01	0.009			CHT	50GR/CSIL50GY		
CH5	28	29 A11381	0.02	0.019			CSIL	94GY/CHT5GR/LIM1		
CH5	29	30 A11382	0.03	0.026			CSIL	94GY/CHT5GR/LIM1/QTZTR/PYRTR		
CH5	30	31 A11383	0.02	0.023			CHT	80GR/CGRW20GY		
CH5	31	32 A11384	0.04	0.040			CGRW	70GY/CHT30GR/QTZTR		
CH5	32	33 A11385	0.03	0.027			CGRW	90GY/CSIL10GY		
CH5	33	34 A11386	0.02	0.021			CGRW	100GY		
CH5	34	35 A11387	0.02	0.022			CGRW	90GR/CSIL10GY		
CH5	35	36 A11388	0.01	0.008			CGRW	100GRGY		
CH5	36	37 A11389	0.02	0.017			CSIL	100GY/QTZTR		
CH5	37	38 A11390	0.01	0.013			CSIL	100GY/PYRTR		
CH5	38	39 A11391	0.04	0.040			CGRW	99GY/PYR1		1
CH5	39	40 A11392	0.40	0.400	0.396		CGRW	90GR/CHT10GR		
CH5	40	41 A11393	0.02	0.019			CGRW	95GR/QTZ5/PYRTR		5
CH5	41	42 A11394	0.02	0.020			CGRW	100GY		
CH5	42	43 A11395	0.04	0.036			CGRW	100GY/PYRTR		
CH5	43	44 A11396	0.09	0.091			CGRW	100GY/PYRTR		
CH5	44	45 A11397	0.08	0.081			CGRW	80GY/CHT10GR/QTZ10		10
CH5	45	46 A11398	0.04	0.040			CGRW	90/CHT10GR/PYRTR		
CH5	46	47 A11399	0.01	0.009			CGRW	100GR/PYRTR		
CH5	47	48 A11400	0.16	0.160			CGRW	50GYGR/CSIL50GY		
CH5	48	49 A11401	0.05	0.049			CGRW	100GY/QTZ1/CHTTR		1
CH5	49	50 A11402	0.53	0.527			CGRW	60/CSIL40GY		

HOLE NO	FROM	TO	SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH5	50	51	A11403	0.02	0.019				CGRW 90GY/CHT5GR/CSIL5GY		
CH5	51	52	A11404	0.01	0.009				CGRW 95/CSIL5GY/CHTTRGR		
CH5	52	53	A11405	0.01	0.009				CGRW 100GRGY		
CH5	53	54	A11406	0.02	0.016				CGRW 70GY/CSIL30GY		
CH5	54	55	A11407	0.07	0.068				CGRW 100GRGY/PYRTR	TR	
CH5	55	56	A11408	0.03	0.026		0.032		CGRW 94GYGR/CHT5GR/QTZ1/PYRTR	1	TR
CH5	56	57	A11409	0.34	0.335				CGRW 76/CSIL20GY/CHT2GR/QTZ2	2	
CH5	57	58	A11410	0.70	0.746	0.599	0.740		CGRW 85GRGY/CHT10GR/QTZ5/PYRTR	5	TR
CH5	58	59	A11411	0.05	0.045				CGRW 88/CHT10GR/QTZ2	2	
CH5	59	60	A11412	0.08	0.083				CGRW 90/CSIL10GY/PYRTR		TR
CH5	60	61	A11413	0.02	0.020				CSIL 60GY/CGRW40GY/QTZTR	TR	
CH5	61	62	A11414	0.83	0.816	0.849			CGRW 56GRGY/CSIL30GY/QTZ3/PYR1	3	1
CH5	62	63	A11415	0.18	0.179				CHT 50GRGR/GRW48GRGY/QTZ2/PYRTR	2	TR
CH5	63	64	A11416	0.21	0.209				CSIL 60GY/CHT20GR/CGRW20GY/QTZTR/P	TR	TR
CH5	64	65	A11417	0.05	0.052				CSIL 68GY/CHT30GR/QTZ2/PYRTR	2	TR
CH5	65	66	A11418	0.03	0.031	0.023			CSIL 98/QTZ1/PYR1	1	1
CH5	66	67	A11419	0.05	0.045				CSIL 74/CHT20GR/QTZ5/PYR1	5	1
CH5	67	68	A11420	0.03	0.028				CSIL 90/CHT10/QTZTR/PYRTR	TR	TR
CH5	68	69	A11421	0.23	0.232				CSIL 95/CHT5/QTZTR/PYRTR	TR	TR
CH5	69	70	A11422	0.04	0.040				CSIL 95/CHT5/QTZTR/PYRTR	TR	TR
CH5	70	71	A11423	0.04	0.041				CSIL 100/CHTTR/QTZTR/PYRTR	TR	TR
CH5	71	72	A11424	0.08	0.078				CSIL 95/CHT5/QTZTR/PYRTR	TR	TR
CH5	72	73	A11425	0.04	0.040				CGRW 70GY/CSIL25GY/CHT5GR/QTZTR/PY	TR	TR
CH5	73	74	A11426	0.01	0.014				CGRW 90/CSIL5GY/CHT5GR		
CH5	74	75	A11427	0.01	0.010				CGRW 60/CSIL40/CHTTR/QTZTR/PYRTR	TR	TR
CH5	75	76	A11428	0.03	0.027				CSIL 95GY/CHT5GR/QTZTR/PYRTR	TR	TR
CH5	76	77	A11429	0.16	0.155				CSIL 70/GRW20GY/CHT10GR/QTZTR/PYTR	TR	TR
CH5	77	78	A11430	0.07	0.069				CSIL 92/CHT5GR/QTZ2/PYR1	2	1
CH5	78	79	A11431	0.07	0.066				CSIL 91/CHT5/QTZ3/PYR1	3	1
CH5	79	80	A11432	0.02	0.017				CSIL 92/CHT5GR/QTZ3/PYRTR	3	TR
CH5	80	81	A11433	0.06	0.063				CSIL 70/CHT30GR/QTZ1/PYRTR/GRWTR	1	TR
CH5	81	82	A11434	0.02	0.023				CGRW 50GR/CHT35/CSIL10GY/QTZ5/PYTR	5	TR

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CH6	0	1	A11435	0.44	0.440			CLA	100RDBR		
CH6	1	2	A11436	0.72	0.796	0.639		CLA	95KK/QTZ5/FETR	5	
CH6	2	3	A11437	0.62	0.617			CLA	50KK/GRW50KK/FETR		
CH6	3	4	A11438	0.14	0.136			GRW	100KK/FETR		
CH6	4	5	A11439	0.03	0.033			GRW	90/SIL10BR/FETR		
CH6	5	6	A11440	0.06	0.064			GRW	90/SIL10		
CH6	6	7	A11441	0.52	0.555		0.483	GRW	97KKRD/FE2/QTZ1	1	
CH6	7	8	A11442	0.42	0.421			GRW	100KK		
CH6	8	9	A11443	0.36	0.363			GRW	100/FETR		
CH6	9	10	A11444	0.06	0.062			SIL	100KK/FETR		
CH6	10	11	A11445	0.09	0.091			SIL	98/FE1/LIM1		
CH6	11	12	A11446	0.03	0.028			GRW	100KK/FETR		
CH6	12	13	A11447	0.06	0.057			GRW	100		
CH6	13	14	A11448	1.19	1.366	1.008		GRW	95/QTZ5	5	
CH6	14	15	A11449	0.15	0.151			GRW	100/FETR		
CH6	15	16	A11450	1.98	2.171	1.795		GRW	100/LIMTR		
CH6	16	17	A11451	0.32	0.321			GRW	100/LIMTR/QTZTR	TR	
CH6	17	18	A11452	0.21	0.211			GRW	100/LIMTR		
CH6	18	19	A11453	0.01	0.013			GRW	100/LIMTR/QTZTR	TR	
CH6	19	20	A11454	0.55	0.528	0.562		GRW	60/SIL40KK/FETR		
CH6	20	21	A11455	0.43	0.428			SIL	80KK/GRW19KK/LIM1	1	
CH6	21	22	A11456	0.61	0.606			GRW	590RKK/SIL30KK/QTZ1/FETR		
CH6	22	23	A11457	0.21	0.211			GRW	90/SIL10/FETR/LIMTR		
CH6	23	24	A11458	0.14	0.139			GRW	80/SIL20/FETR/LIMTR		
CH6	24	25	A11459	0.05	0.047			GRW	80GY/SIL200RGY/LIMTR/FETR		
CH6	25	26	A11460	0.02	0.017			GRW	100/FETR/LIMTR		
CH6	26	27	A11461	0.19	0.194			GRW	100/FETR/LIMTR		
CH6	27	28	A11462	0.13	0.127			GRW	100/FETR/LIMTR		
CH6	28	29	A11463	0.36	0.361			GRW	98/FE1/QTZ1/LIM1/APYTR	1	TR
CH6	29	30	A11464	0.20	0.201			GRW	100GY/LIMTR		
CH6	30	31	A11465	0.91	0.893	0.929		GRW	98GY/QTZ5/APY1/LIMTR	5	1
CH6	31	32	A11466	0.25	0.249			GRW	100GR/APYTR/LIMTR		
CH6	32	33	A11467	0.29	0.210		0.377	GRW	90/SIL10GY/LIMTR		
CH6	33	34	A11468	0.03	0.026			GRW	100YE/LIMTR		
CH6	34	35	A11469	0.29	0.291			GRW	70/SIL30GY/PYRTR	TR	
CH6	35	36	A11470	0.54	0.544			GRW	90/SIL10GY/LIMTR/PYRTR		
CH6	36	37	A11471	0.59	0.608	0.575		GRW	100/LIMTR		
CH6	37	38	A11472	0.39	0.389			SIL	100GY/QTZTR/LIMTR	TR	
CH6	38	39	A11473	0.18	0.180			GRW	90GY/SIL10GY		
CH6	39	40	A11474	0.58	0.578			GRW	92/CHT5GR/QTZ3/PYRTR	3	
CH6	40	41	A11475	0.12	0.120			CGRW	70GR/CSIL30GY/QTZTR/PYRTR	TR	TR
CH6	41	42	A11476	0.03	0.031			GRW	100GY		
CH6	42	43	A11477	0.06	0.061			CGRW	100GY/PYRTR		
CH6	43	44	A11478	0.04	0.035			CGRW	100GY/PYRTR		
CH6	44	45	A11479	0.02	0.024			SIL	100GY/PYRTR		
CH6	45	46	A11480	0.03	0.029			SIL	100BK	1	
CH6	46	47	A11481	0.02	0.015	0.020		CGRW	100GR/PYRTR		
CH6	47	48	A11482	0.01	0.014			CGRW	50/CSIL50GY/PYRTR		
CH6	48	49	A11483	0.01	0.014			CSIL	90KKGY/QTZ1/PYRTR	1	TR
CH6	49	50	A11484	0.12	0.116			CSIL	93GY/QTZ5/CGRW2GR/PYRTR	5	TR

HOLE NO	FROM	TO	SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH6	50	51	A11485	0.02	0.023			CSIL	98/QTZ1/PYR1	1	1
CH6	51	52	A11486	0.03	0.031			CGRW	87GR/CSIL10GY/QTZ3/PYRTR	3	TR
CH6	52	53	A11487	0.00	-			CSIL	70GY/CGRW30GR/QTZTR/PYRTR	TR	TR
CH6	53	54	A11488	0.00	-			CSIL	60/CHT40GR/QTZTR/PYRTR	TR	TR
CH6	54	55	A11489	0.02	0.020			CSIL	100GR/QTZTR/PYRTR	TR	TR
CH6	55	56	A11490	0.03	0.025			CSIL	100GY/QTZTR/PYRTR	TR	TR
CH6	56	57	A11491	0.11	0.113			CSIL	75/CHT20GR/QTZ5/PYRTR	5	TR
CH6	57	58	A11492	0.16	0.160			CGRW	65GR/CHT30/QTZ5/PYRTR	5	TR
CH6	58	59	A11493	0.16	0.164			CGRW	84GY/QTZ10/CHT5/PYR1	10	1
CH6	59	60	A11494	0.05	0.049	0.041		CGRW	95/QTZ5/PYRTR	5	TR
CH6	60	61	A11495	0.06	0.057			CSIL	95GY/QTZ5/PYRTR	5	TR
CH6	61	62	A11496	0.08	0.076			CSIL	98/QTZ2/PYRTR	2	TR
CH6	62	63	A11497	0.04	0.035			CSIL	65/CHT30/QTZ5/PYRTR	5	TR
CH6	63	64	A11498	0.05	0.053			CSIL	77/CHT20/QTZ3/PYRTR	3	TR
CH6	64	65	A11499	0.16	0.163			CSIL	75GY/CHT20/QTZ5/PYRTR	5	TR
CH6	65	66	A11500	0.12	0.120			CSIL	80/QTZ10/CHT5/PYR5	10	5
CH6	66	67	A11501	0.12	0.119			CSIL	84/QTZ10/CHT5/PYR1	10	1
CH6	67	68	A11502	0.09	0.086			CSIL	84/QTZ10/CHT5/PYR1	10	1
CH6	68	69	A11503	0.07	0.066			CSIL	60/CHT30GRBR/QTZ10/PYRTR	10	TR
CH6	69	70	A11504	0.05	0.053			CHT	65GR/CSIL30GY/QTZ5/APYTR	5	TR
CH6	70	71	A11505	0.10	0.098			CHT	70GR/CSIL30GY/QTZTR/APYTR	TR	TR
CH6	71	72	A11506	0.02	0.015			CGRW	70GR/CHT25GR/CSIL5GY/QTZTR	TR	
CH6	72	73	A11507	0.02	0.020			CGRW	58/CHT20/CSIL20/PYR1/QTZTR	TR	1
CH6	73	74	A11508	0.03	0.027			CHT	60GR/CGRW40GR/QTZTR/PYRTR	TR	TR
CH6	74	75	A11509	0.02	0.020			CHT	80/CGRW20/QTZTR/PYRTR	TR	TR
CH6	75	76	A11510	0.23	0.225			CGRW	45GR/CHT30GR/CSIL20GY/QTZ5/PY	5	TR
CH6	76	77	A11511	0.01	0.012			CSIL	85GY/CHT10/QTZ5/PYRTR	5	TR
CH6	77	78	A11512	0.02	0.017			CSIL	80/CGRW20GR/QTZTR/PYRTR	TR	TR
CH6	78	79	A11513	0.05	0.046			CSIL	68/CGRW30GR/QTZ11/PYR1	1	1
CH6	79	80	A11514	0.05	0.049			CSIL	80/CGRW10/QTZ10/PYRTR	10	TR
CH6	80	81	A11515	0.02	0.016			CSIL	50/CGRW40/QTZ10/PYRTR	10	TR
CH6	81	82	A11516	0.02	0.024			CSIL	65/CGRW30GR/QTZ5/PYRTR	5	TR
CH6	82	83	A11517	0.02	0.020			CSIL	78/CGRW20/QTZ2/PYRTR	2	TR
CH6	83	84	A11518	0.03	0.033			CSIL	.90/CGRW10		
CH6	84	85	A11519	0.50	0.510	0.483		CSIL	93/CGRW5/QTZ2/PYRTR	2	TR
CH6	85	86	A11520	0.27	0.265			CSIL	90/CGRW5/QTZ5/PYRTR	5	TR
CH6	86	87	A11521	0.37	0.373			CSIL	88/CGRW10/QTZ2/PYRTR	2	TR
CH6	87	88	A11522	0.20	0.196			CSIL	95/PYR3/QTZ2	2	3
CH6	88	89	A11523	0.42	0.422			CSIL	93/QTZ5/PYR2	5	2
CH6	89	90	A11524	0.11	0.110			CSIL	98/PYR2/QTZTR	TR	2
CH6	90	91	A11525	0.08	0.077			CGRW	90GR/CSIL10GY/QTZTR/PYRTR	TR	TR
CH6	91	92	A11526	0.03	0.031		0.027	CHT	50GR/CSIL50GY/PYRTR	TR	
CH6	92	93	A11527	0.02	0.022			CSIL	70GY/CHT30GR/PYRTR	TR	
CH6	93	94	A11528	0.63	0.604	0.656		CGRW	50GR/CSIL40/QTZ10/PYRTR	10	TR
CH6	94	95	A11529	0.05	0.054			CGRW	80GY/CHT20GR/QTZ11/PYRTR	1	TR
CH6	95	96	A11530	0.03	0.029			CGRW	90/CHT5/QTZ5/PYRTR	5	TR
CH6	96	97	A11531	0.08	0.078			CSIL	90/CHT5/QTZ5/PYRTR	5	TR
CH6	97	98	A11532	0.04	0.041			CSIL	96GY/QTZ2/PYR2	2	2
CH6	98	99	A11533	0.04	0.040			CSIL	95/CHT5GY/PYRTR	TR	
CH6	99	100	A11534	0.29	0.285			CSIL	100GY/QTZTR/PYRTR	TR	TR

HOLE NO	FROM	TO	SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH7	0	1	A11535	0.04	0.043		0.028	CLA	50BR/SIL50BR/FETR/LIMTR/QTZTR	TR	
CH7	1	2	A11536	0.06	0.062			SIL	77/CLA20/FE2/LIM1		
CH7	2	3	A11537	0.03	0.032			SIL	95BR/FE5/LIM1		
CH7	3	4	A11538	0.03	0.026			SIL	94BR/FE5/LIM1		
CH7	4	5	A11539	0.02	0.022			SIL	96BR/FE2/LIM2		
CH7	5	6	A11540	0.02	0.020			SIL	64BR/GRW30BR/FE5/LIM1		
CH7	6	7	A11541	0.02	0.022			SIL	95/FE4/LIM1		
CH7	7	8	A11542	0.03	0.028			SIL	98/FE2/LIMTR		
CH7	8	9	A11543	0.02	0.020			SIL	97BRGR/LIM2/FE1		
CH7	9	10	A11544	0.10	0.099			SIL	86KK/GRW10GY/LIM2/FE2		
CH7	10	11	A11545	0.03	0.025			GRW	60KK/SIL35KK/FE3/LIM2		
CH7	11	12	A11546	0.03	0.029			GRW	50/SIL40/FE9/LIM1		
CH7	12	13	A11547	0.03	0.031			GRW	85PK/FE10/QTZ5		5
CH7	13	14	A11548	0.01	0.008			SIL	70KKBR/GRW25KK/FE5		
CH7	14	15	A11549	0.00	-			GRW	95PKKK/FE5		
CH7	15	16	A11550	0.01	0.009			SIL	55BR/GRW40KKPK/FE5		
CH7	16	17	A11551	0.02	0.021			SIL	95KK/FE5/LIMTR		
CH7	17	18	A11552	0.02	0.016			SIL	98/LIM2/FETR		
CH7	18	19	A11553	0.01	0.008			GRW	98KK/LIM2/FETR		
CH7	19	20	A11554	0.01	0.010			GRW	88KKPK/QTZ10/FE2		10
CH7	20	21	A11555	0.00	-			GRW	100KK/LIMTR/QTZTR		TR
CH7	21	22	A11556	0.01	0.011			GRW	86KKPK/SIL10BR/LIM2/FE2		
CH7	22	23	A11557	0.02	0.023			GRW	95KK/LIM5/FETR		
CH7	23	24	A11558	0.29	0.288			SIL	90KK/QTZ10/LIMTR		10
CH7	24	25	A11559	0.16	0.159			SIL	98/QTZ2/FETR		2
CH7	25	26	A11560	0.02	0.020			SIL	100/LIMTR/FETR		
CH7	26	27	A11561	0.01	0.009			GRW	70KK/SIL30KK/LIMTR/FETR		
CH7	27	28	A11562	0.01	0.009			GRW	50/SIL50/LIMTR/FETR		
CH7	28	29	A11563	0.01	0.009			SIL	99KK/LIM1		
CH7	29	30	A11564	0.01	0.008			SIL	99GY/LIM1		
CH7	30	31	A11565	0.01	0.008			GRW	100KK/LIMTR		
CH7	31	32	A11566	0.00	-			-	GRW 100KK/LIMTR/FETR		
CH7	32	33	A11567	0.02	0.017			GRW	100KKGY/LIMTR		
CH7	33	34	A11568	0.44	0.439			GRW	99GY/LIM1		
CH7	34	35	A11569	0.02	0.018			GRW	99GY/LIM1		
CH7	35	36	A11570	0.04	0.040			SIL	99GY/LIMTR		
CH7	36	37	A11571	1.62	1.594	1.650		GRW	98GY/QTZ2/PYRTR		2
CH7	37	38	A11572	0.25	0.250			GRW	95GY/QTZ5/PYRTR		5
CH7	38	39	A11573	0.08	0.082			GRW	95GYGR/QTZ5/PYRTR		5
CH7	39	40	A11574	0.02	0.018			GRW	100GR/QTZTR/PYRTR		TR
CH7	40	41	A11575	0.02	0.019			GRW	100GY		TR
CH7	41	42	A11576	0.03	0.025			CGRW	100GY		
CH7	42	43	A11577	0.09	0.092			SIL	100GY		
CH7	43	44	A11578	0.58	0.578			SIL	68/GRW10GY/QTZ2		2
CH7	44	45	A11579	0.05	0.051			CGRW	99GR/LIM1/QTZTR		TR
CH7	45	46	A11580	0.04	0.042			CGRW	100GR/PYRTR		TR
CH7	46	47	A11581	0.12	0.203	0.071	0.091	CGRW	85GR/SIL10GR/QTZ5/PYRTR/APYTR		5
CH7	47	48	A11582	0.01	0.014			CGRW	95/QTZ5/PYRTR		5
CH7	48	49	A11583	0.60	0.651	0.556		CGRW	98GR/QTZ2/P-APYTR		2
CH7	49	50	A11584	0.79	0.850	0.723		CGRW	93GR/SIL5GY/QTZ2		2

HOLE NO	FROM	TO	SAMPLE	AU AV	AU1	AU2	AU3	ID1	LITHOLOGY	QTZ	SUL
CH7	50	51	A11585	0.03	0.029			CGRW	80/CHT20GR		
CH7	51	52	A11586	0.10	0.097			CSIL	95BK/PYRS		5
CH7	52	53	A11587	0.03	0.029			CGRW	80GR/CSIL20GY		
CH7	53	54	A11588	0.01	0.014			CGRW	95/CSIL20GY/PYRTR		
CH7	54	55	A11589	0.02	0.017			CGRW	100/QTZTR/PYRTR	TR	
CH7	55	56	A11590	0.04	0.040			CGRW	90/CSIL10GY/QTZTR/PYRTR	TR	TR
CH7	56	57	A11591	0.33	0.331			CSIL	100BK/QTZTR/PYRTR	TR	TR
CH7	57	58	A11592	0.05	0.052			CGRW	95GR/QTZ5		5
CH7	58	59	A11593	0.01	0.011			CGRW	50/CHT50GR/QTZTR/PYRTR	TR	TR
CH7	59	60	A11594	0.01	0.009			CGRW	50/CHT50GR		
CH7	60	61	A11595	0.02	0.023			CSIL	70BK/CHT30GR/QTZTR/PYRTR	TR	TR
CH7	61	62	A11596	0.03	0.030			CSIL	70/CGRW20GR/CHT10GR/QTZTR/PYR	TR	TR
CH7	62	63	A11597	0.00	-			CHT	60GR/CSIL40GY		
CH7	63	64	A11598	0.00	-			CHT	70GYGR/CSIL30/QTZTR/PYRTR	TR	TR
CH7	64	65	A11599	0.01	0.008			CHT	70GYGR/CSIL30/QTZTR/PYRTR	TR	TR
CH7	65	66	A11600	0.02	0.020			CSIL	93BK/CHT5GR/QTZ1/PYR1	1	1
CH7	66	67	A11601	0.02	0.022			CGRW	70GR/CHT20GR/QTZ10/PAYRTR	10	TR
CH7	67	68	A11602	0.01	0.014			CSIL	100BK/QTZTR/PYRTR	TR	TR
CH7	68	69	A11603	0.03	0.025	0.024		CSIL	65/CGRW30GY/CHT5GR/QTZTR/PYTR	TR	TR
CH7	69	70	A11604	0.36	0.362			CSIL	100BK/QTZTR/PYRTR	TR	TR
CH7	70	71	A11605	0.08	0.080			CSIL	95/CHT5GR/QTZ1/PYRTR		1
CH7	71	72	A11606	0.07	0.074			CSIL	98/QTZ2/PYRTR		2
CH7	72	73	A11607	0.04	0.036			CSIL	100/QTZTR/PYRTR		TR
CH7	73	74	A11608	0.00	-			CSIL	70/CHT30GR		
CH7	74	75	A11609	0.01	0.011			CHT	60GR/CSIL35GY/QTZ5		5
CH7	75	76	A11610	0.01	0.010			CHT	100BR		
CH7	76	77	A11611	0.00	-			CHT	70/CSIL30GY		
CH7	77	78	A11612	0.00	-			CHT	40GRBR/CSIL30GY/CGRW30GY/QTZ	TR	
CH7	78	79	A11613	0.02	0.016			CHT	90GR/CSIL10GY		
CH7	79	80	A11614	0.00	-			CHT	60/CSIL40		
CH7	80	81	A11615	0.18	0.177			CSIL	90GYGR/QTZ5		2
CH7	81	82	A11616	0.06	0.055			CSIL	85/QTZ10/CHT5GR		10
CH7	82	83	A11617	0.18	0.183			CSIL	75/CHT20GR/QTZ5		5
CH7	83	84	A11618	0.08	0.083			QTZ	60/CSIL35/CHT5		60
CH7	84	85	A11619	0.08	0.081			CGRW	90GR/CSIL5GY/QTZ5		5
CH7	85	86	A11620	0.02	0.020			CGRW	100/QTZTR		
CH7	86	87	A11621	0.24	0.229	0.259		CGRW	100/QTZTR		
CH7	87	88	A11622	0.11	0.110	0.110		CGRW	78/CSIL20GY/QTZ2		2
CH7	88	89	A11623	0.04	0.036	0.034		CGRW	90/QTZ10		10
CH7	89	90	A11624	0.09	0.086			CGRW	95/QTZ5/PYRTR		5
CH7	90	91	A11625	0.61	0.658	0.557		CSIL	50GR/GRW40GR/QTZ10		10
CH7	91	92	A11626	1.13	1.362	0.888		CGRW	95/QTZ5		5
CH7	92	93	A11627	1.47	1.597	1.404	1.393	CGRW	90/CSIL5GY/QTZ5/APYTR		5
CH7	93	94	A11628	1.33	1.375	1.286		CGRW	59/QTZ2B/CHT13		28
CH7	94	95	A11629	0.09	0.097	0.088		CGRW	88/csill10gy/qtz2		2
CH7	95	96	A11630	0.04	0.038	0.031		CGRW	98/QTZ2		2
CH7	96	97	A11631	0.06	0.074	0.049		CGRW	95/CSIL5GY/QTZTR		
CH7	97	98	A11632	0.08	0.081	0.080		SIL	100GY/PYRTR		
CH7	98	99	A11633	1.52	1.441	1.593		GRW	75GR/CSIL20GY/QTZ5		5
CH7	99	100	A11634	0.10	0.069	0.133		GRW	88/CSIL10/QTZ2		2

MCN'S 1012 -1015

APPENDIX 2

GEOCHEMICAL SOIL SAMPLING

BELG AU RESULTS

C5370 -5395

C5491 - 5550

ANALABS

A division of Macdonald Hamilton & Co. Pty. Ltd.

Phone(09) 458 7999

52 Murray Road, Welshpool, W.A. 6101

Telex AA92560

ANALYTICAL REPORT No. 70.6.14.02478

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STATE OF SAMPLES	PRE-TREATMENT							ANALYSIS			
REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PUL- VERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION	METHO
	Various	S2	Spec 1						AL7342		
	Various	S3	Spec 1						AL7343		

REMARKS

RESULTS

MR. A. KORST
NORTHERN GOLD NL
C/- POST OFFICE

C792 - 1482 COSMO EAST EL 4736

TO

ADELAIDE RIVER NT 0241

CB 4941-5490 MAINLY 4226

CB 5491-5640 EL4847

RESULTS

TO

NORTHERN GOLD NL C/- POST OFFICE ADELAIDE RIVER NT 0241

STATE OF SAMPLES	ANALYSIS — PREPARATION						ANALYSIS — METHOD		
whole core	WC	perchloric acid	A1	cold acid			CA	atomic absorbtion	
split core	SC	hydrochloric acid	A2	specific sulphide			SS	x-ray fluorescence	
cutting	CU	nitric acid	A3	other mixed acids			Ma	spectrophotometry	
rock	Ro	aqua regia	A4	alkaline attack			AA	colorimetry	
soil	SO	nitric-perchloric	A5	volatilization			VO	chromatography	
pulp	PU	HF mixture	A6	ignition			IG	titration	
water	WA	HF under pressure	A7	pressed powder (XRF)			PP	other chemical means	
tissue	TI	fusion	A8	glass fusion (XRF)			GF	miscellaneous	
stream sediment	SS							fluorescence	
heavy mineral	HM							inductively coupled plasma	

AUTHORISED OFFICER

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1

277

STATE OF SAMPLES	PRE-TREATMENT								ANALYSIS		
	REFER BELOW	SAMPLE NUMBERS	DRY	CRUSH	SPLIT	PUL- VERISE	SIEVE	OTHER SEE REMARKS	NONE	REFER TO ANALYSIS SECTION	PREPARATION
		Various	SO	Prep: 033						Au/340	
		Various	SO	Prep: 033						Au/340	
RESULTS TO RESULTS TO											REMARKS
MR A RONK NORTHERN GOLD NL C/- POST OFFICE ADELAIDE RIVER NT 0846											C 792 - 1432 COSMO EAST EL 4736
											C B 4941 - 5640 MAINLY EL 4226

STATE OF SAMPLES	ANALYSIS — PREPARATION						ANALYSIS — METHOD		
whole core	WC	perchloric acid	A1	cold acid	CA		atomic absorbtion	AAS	
split core	SC	hydrochloric acid	A2	specific sulphide	SS		x-ray fluorescence	XRF	
cutting	CU	nitric acid	A3	other mixed acids	Ma		spectrophotometry	SPEC	
rock	Ro	aqua regia	A4	alkaline attack	AA		colorimetry	COL	
soil	SO	nitric-perchloric	A5	volatilization	VO		chromatography	CHR	
pulp	PU	HF mixture	A6	ignition	IG		titration	TTN	
water	WA	HF under pressure	A7	pressed powder (XRF)	PP		other chemical means	CHEM	
tissue	TI	fusion	A8	glass fusion (XRF)	GF		miscellaneous	MISC	
stream sediment	SS						fluorescence	FLUOR	
heavy mineral	HM						inductively coupled plasma	ICP	

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ANALABS

A Division of Macdonald Hamilton & Co. Pty. Ltd.

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

PAGE

		70.6.14.02478	29/06/88	25321	7 OF 12
TUBE No.	SAMPLE No.				
1		Au			
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24	CB 5371-5375	70.0			
25	CB 5376-5380	162.0			

Results in ppm unless otherwise specified

T = element present; but concentration too low to measure
 X = element concentration is below detection limit
 — = element not determined

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ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

CLIENT ORDER No.

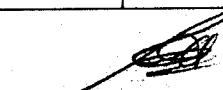
PAGE

		70.6.14.02478	29/06/88	23321	10 OF 12
TUBE No.	SAMPLE No.	Au			
1	CB 5381-5385	245.9			
2	CB 5386-5390	44.5			
3	CB 5391-5395	26.2			
4	CB 5396-5400	36.9			
5	CB 5401-5405	39.4			
6	CB 5406-5410	26.9			
7	CB 5411-5415	26.9			
8	CB 5416-5420	18.2			
9	CB 5421-5425	1.1			
10	CB 5426-5430	1.7			
11	CB 5431-5435	5.2			
12	CB 5436-5440	1.3			
13	CB 5441-5445	1.3			
14	CB 5446-5450	0.7			
15	CB 5451-5455	0.4			
16	CB 5456-5460	5.5			
17	CB 5461-5465	1.7			
18	CB 5466-5470	0.2			
19	CB 5471-5475	1.1			
20	CB 5476-5480	0.4			
21	CB 5481-5485	1.0			
22	CB 5486-5490	0.9			
23					
24					
25					

Results in ppm unless otherwise specified

T = element present; but concentration too low to measure
 X = element concentration is below detection limit
 - = element not determined

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OFFICER



ANALABS
A Division of Wadsworth Analytical Laboratories
ANALYTICAL DATA

23	CB 5491-5495	395.5							
24	CB 5496-5500	190.8							
25	CB 5501-5505	190.0							

Results to pose unless otherwise specified

ANALYTICAL DATA

SAMPLE PREFIX

REPORT NUMBER

REPORT DATE

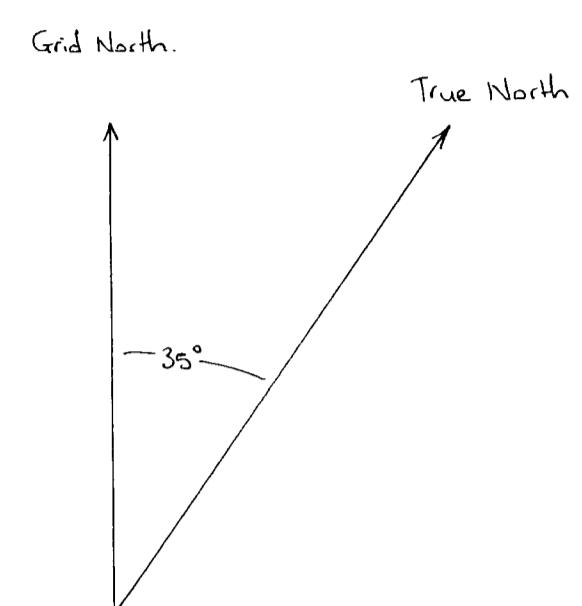
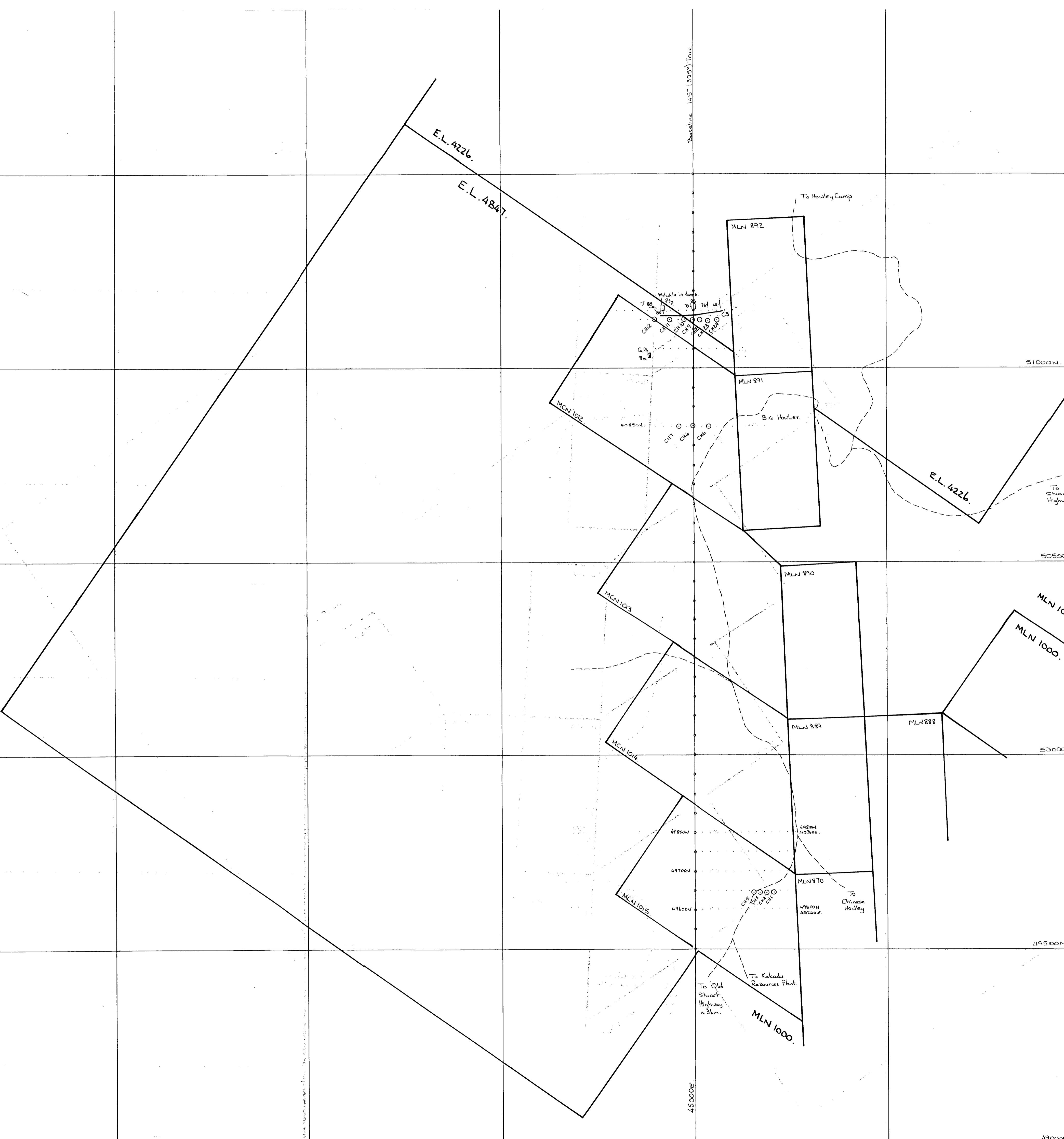
CLIENT ORDER No.

PAGE

		70.6.14.02478	29/06/88	23321	11 OF 12
TUBE No.	SAMPLE No.				
1	CB 5506-5510	Au			
2	CB 5511-5515	23.8			
3	CB 5516-5520	4.2			
4	CB 5521-5525	4.2			
5	CB 5526-5530	13.3			
6	CB 5531-5535	4.7			
7	CB 5536-5540	37.2			
8	CB 5541-5545	8.1			
9	CB 5546-5550	2.6			
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

Legend:
 - element present but not quantified by ICP
 x element present by ICP
 = element not determined

1000 100 10 1 0.1 0.01 0.001



LEGEND.

E.L or Lease Boundary (approximate position)
Track
Grid Line
Surveyed Peg on Baseline
Bedding Measurement Showing Strike & Dip
Clearance Measurement
Jointing Measurement
Costean and Number
Reserve Circulation Drill Hole
Quartz Vein
Shaft

Uncontrolled Photo Baseplan

Northern Gold NL.

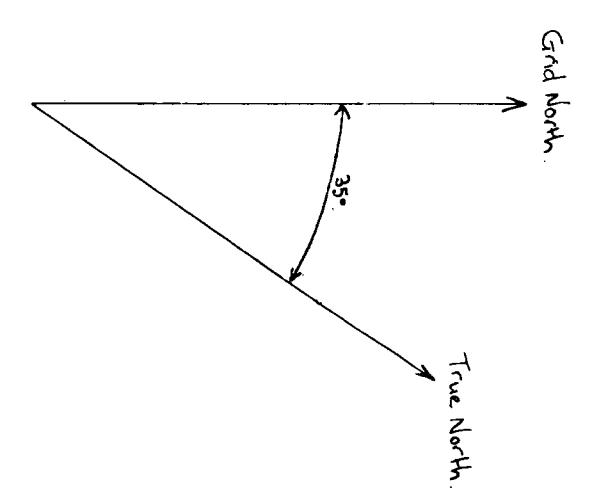
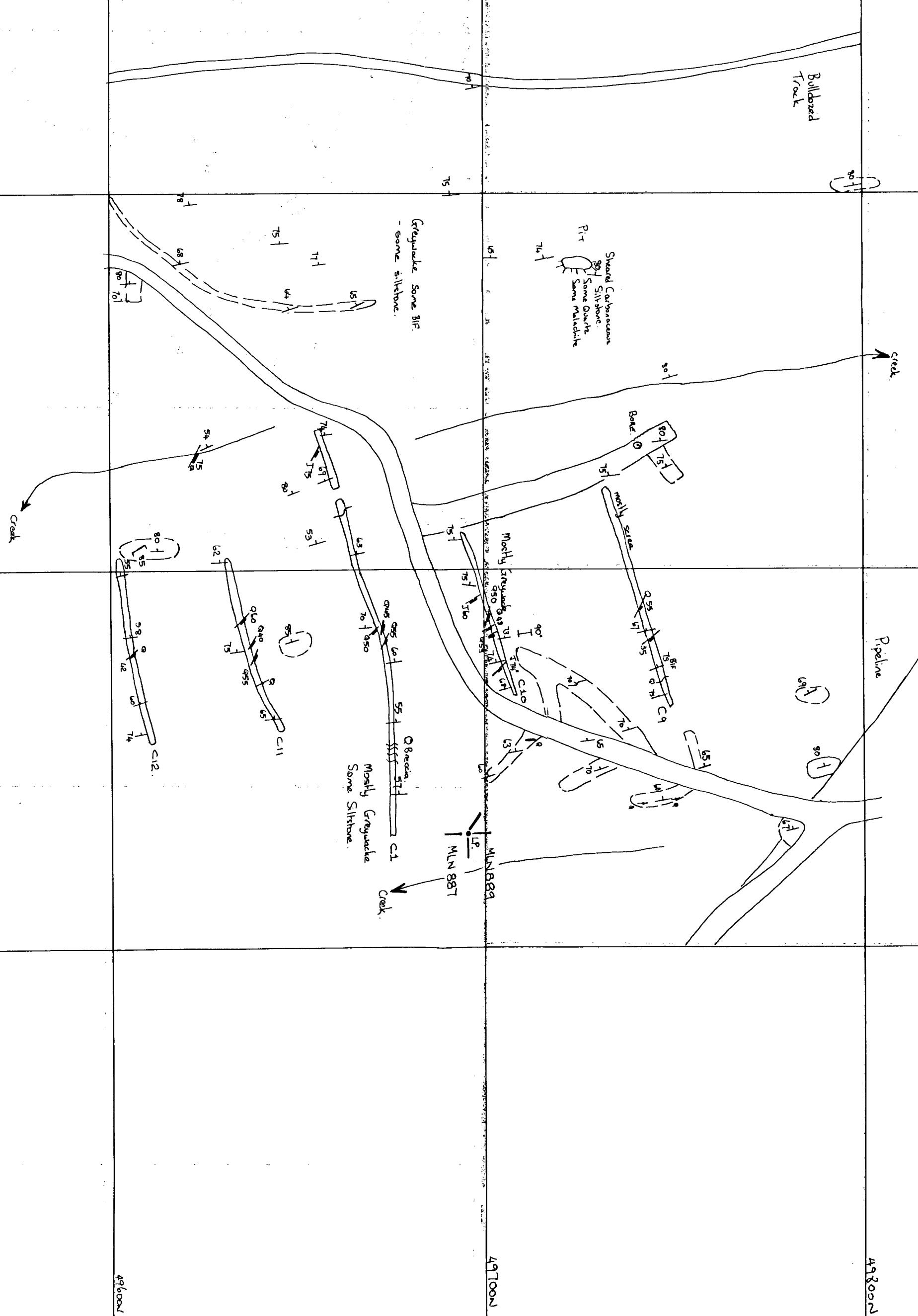
EL 4847 & MCN's 1012-1015

Basemap + Geology.

6188 / 328

Scale	1:5000	Date	24-3-88	Drawing Number
Drawn	R. McKenzie	Approved		
Amended		Amended		280
Amended		Amended		
Amended		Amended		

Baseline 145° True.



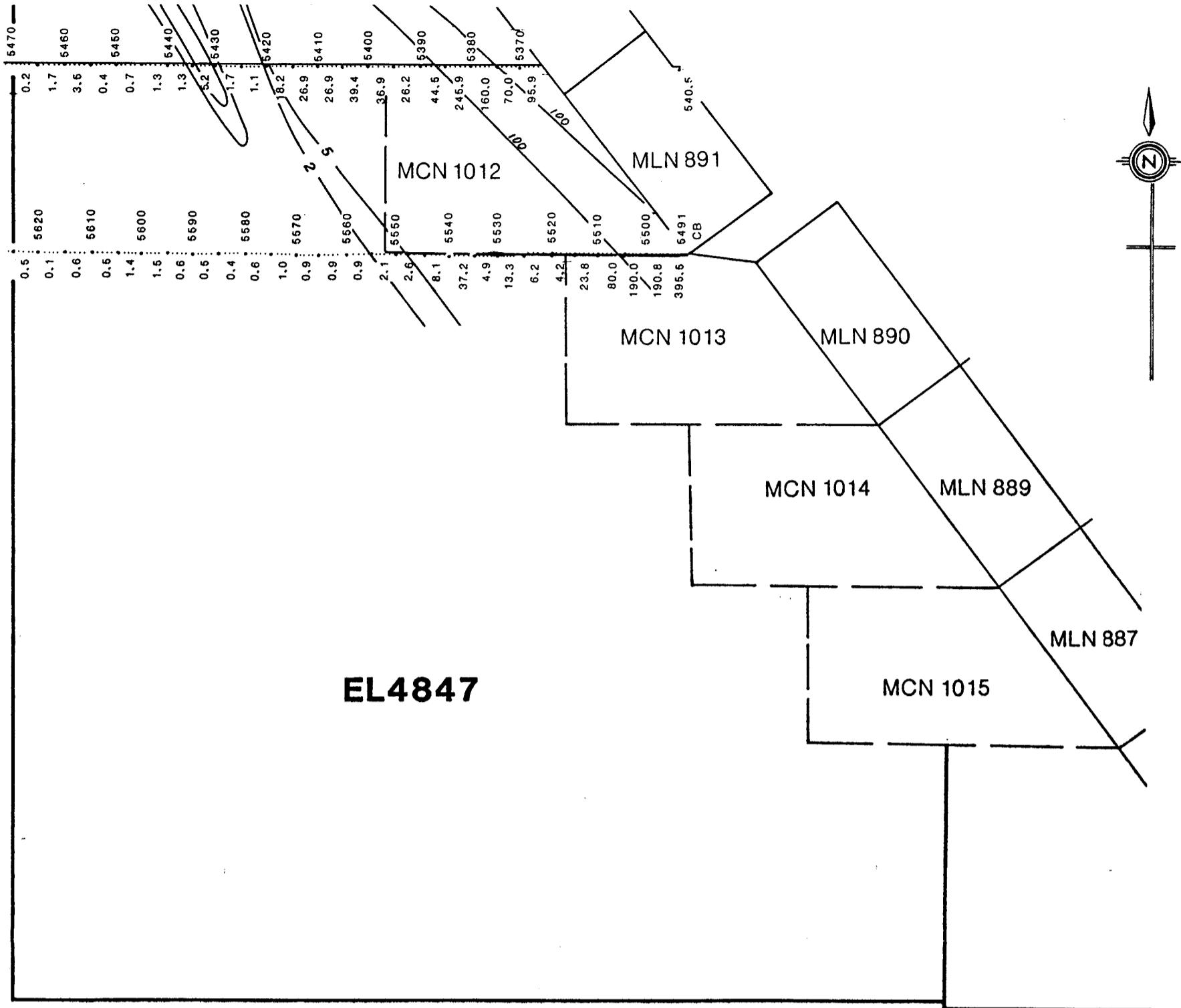
Northern Gold N.L.

E.L.4847.

Grid Mapping

6 B 88 / 328

Scale	1 : 1000	Date	10.3.1988.	Drawing Number
Drawn	RmKenzie	Approved		
Amended		Amended		
Amended		Amended		
Amended		Amended		



LEGEND

CB 5320 — Sample point
 26.3 5310 — Composite sample 5.2ppb Au (50m interval - 10m sample spacing)
 X < 0.1ppb Au (unless otherwise specified)
 2.4 . C2079 Sample point and number (50m spacing) with Au value (ppb)

— Lease boundary
 — 5 — Contour - 5ppb
 — Contour intervals 2, 5, 100ppb

NOTE: TRAVERSSES CONTROLLED BY COMPASS AND 'COTTON' CHAIN

NORTHERN GOLD NL

867328

LOCALITY DIAGRAM

EL4737

AREA OF MAP

13° 30'

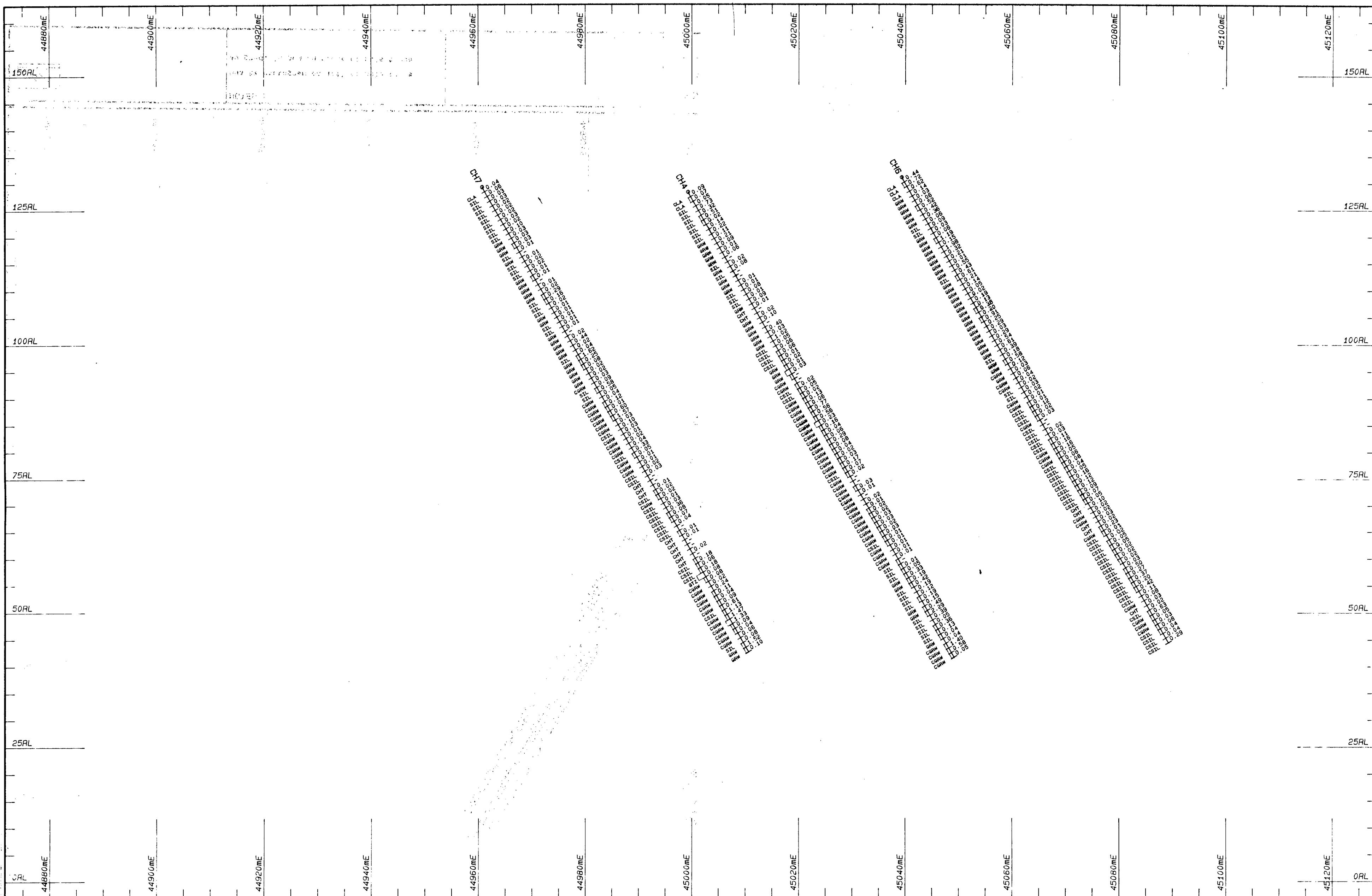
131° 25'

HOWLEY ANTICLINE

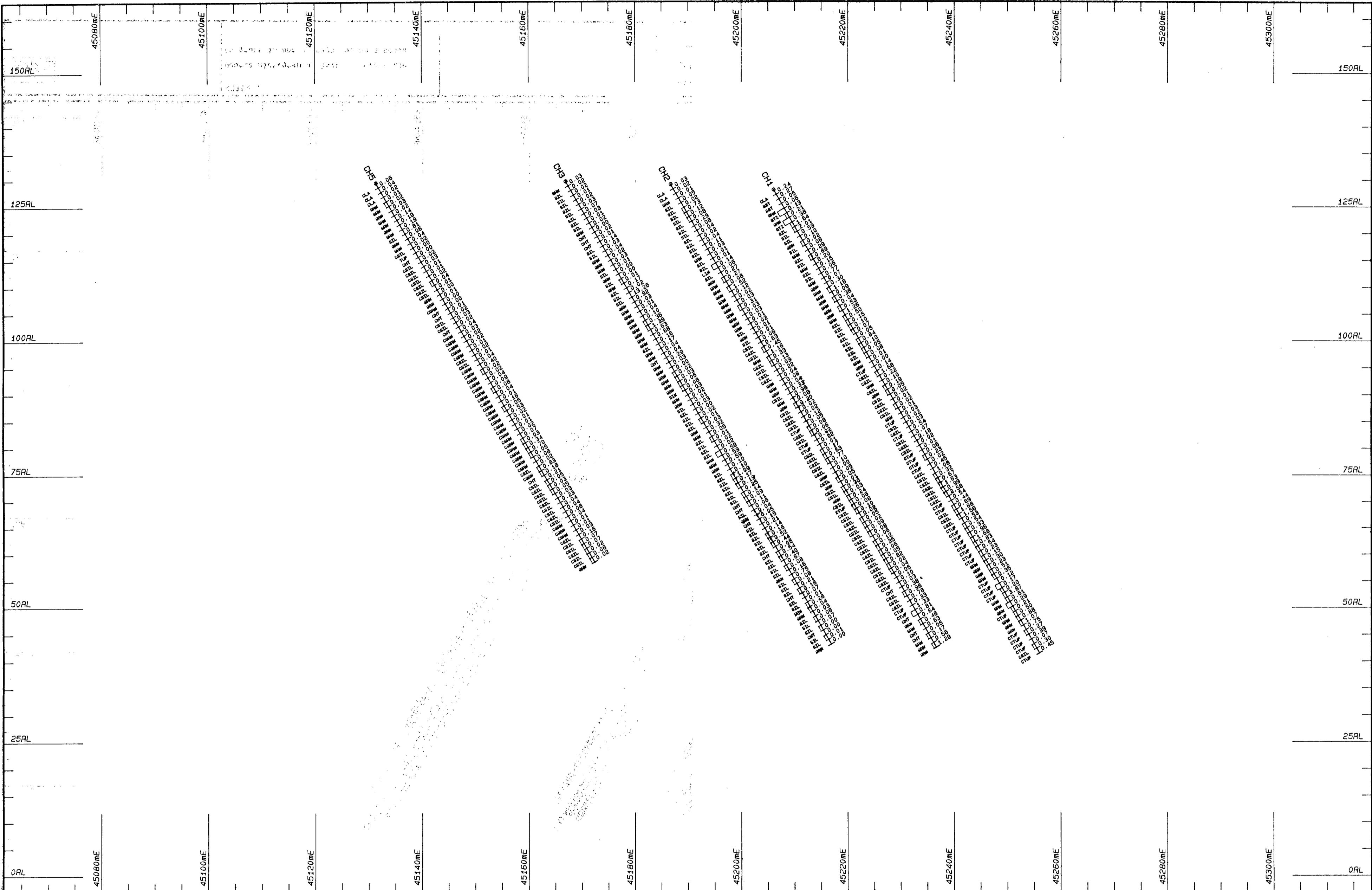
SOIL GEOCHEMISTRY SAMPLING

SCALE	1:10,000	PLAN No.	317 [PART OF]
GEOLOGY	A.R.		
DATE	JULY 1988	0	500

METRES



3 3 3 3 / 3 2 8



	NOTES :		SCALE 1: 500	DATE 22-6-1988	SHEET OSECT1	NORTHERN GOLD NL MCN1015	CROSS SECTION 49640N
	Quartz histogram on left of hole trace Au grade in ppm on right of hole trace			REF No. OSECT1			

0807328