

**Report
on the
2002 Diamond Drilling Program
on the**

Minnitaki Property

of

SOUTHERN RIO RESOURCES LTD.

**Sioux Lookout Area
Patricia Mining Division, Ontario
N.T.S. 52F/16NE, 52G/13NW, 52J/04SW & 52K/01SE**

September 2002

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1.0 Introduction And Terms Of Reference

Clark Exploration of Thunder Bay, Ontario, was contracted by Southern Rio Resources Ltd. ("Southern Rio") of Vancouver, B.C. to conduct a diamond drilling program on their Minnitaki Property near Sioux Lookout, Ontario. The drilling was performed by Northwest Geophysics of Thunder Bay.

Work to date on the Minnitaki Property has indicated the presence of a large quartz-feldspar porphyry body that is variably silicified, carbonatized, and pyrite mineralised. This unit is at least 500 metres wide by 1400 metres long, located on the east end of the peninsula between Pickerel Arm of Minnitaki Lake and the main body of Minnitaki Lake. This intrusive has the potential to host multiple zones of open pit/bulk mineable gold mineralization over substantial widths. Smaller bodies of similar lithology also exist elsewhere on the property and warrant further exploration.

The 2002 program consisted of drilling a total of 1209 metres of core in eight holes. The target was a zone of previously encountered gold mineralization within the quartz-feldspar porphyry. The drilling was conducted entirely on the patented claims in the central portion of the property.

The drilling indicated the presence of a stockwork of quartz-carbonate veins within the porphyry, with varying degrees of silicification and sericitic, potassic, and hematitic alteration. Gold mineralization appears to be ubiquitous in the presence of any degree of alteration, but does not correlate well with pyrite content.

2.0 Property Description and Location

The Minnitaki Property comprises six patented and 27 unpatented contiguous mining claims (totaling 244 claim units covering approximately 3904 hectares) recorded in good standing in the Patricia Mining Division (Figure 2). The property is covered by the Parnes Lake (G-2164) Kabik Lake and Pickerel Township (G-2079) claim map sheets.. The patented claims (historically referred to as the Tak patents) are 100% owned by Triex Resources Ltd. ("Triex"), under option to Southern Rio, and comprise claims KRL-23915, -23916, -23939, -23940, -23941 and -24476. Several additional patented claims occur within or adjacent to the Minnitaki Property but are not part of the land package owned by Southern Rio. These include claims: R.J. 13 & 14 and S.V. 108 & 109.

The Minnitaki Property is located in, and adjacent to, Pickerel and Jordan Townships approximately 20 km south-southwest of Sioux Lookout, Ontario (Figures 1 and 2). The approximate centre of the property is located at 92° 5' 12" longitude (U.T.M. Zone 15, 565500mE) and 49° 57' 37" (U.T.M. Zone 15, 5534400mN) latitude and lies within N.T.S. blocks 52F/16NE, 52G/13NW, 52J/04SW and 52K/01SE.

There are no known environmental liabilities or public hazards associated with the property, and work permits are not required in Ontario to perform the work prescribed in this report.

3.0 Accessibility, Climate, Local Resources, Infrastructure and Physiography

The property straddles Pickerel Arm of Minnitaki Lake and is easily accessed by motor vehicle via Ontario Highway 72, which parallels the northwestern boundary of the property. Much of the property is underlain or surrounded by water and is therefore accessible via boat. A well-maintained boat launch capable of accommodating large water craft is located near the western end of the property at Donnelly's Minnitaki Lodge on Pickerel Arm.

The towns of Sioux Lookout and Dryden serve as the main centres of service and supply for the area. Float-equipped, fixed-wing aircraft, helicopter charters, boat rentals, expediting services, hardware, lumber and groceries are all available.

The elevation of Minnitaki Lake is approximately 400 metres above sea level. The area generally exhibits low relief, with rare cliffs and hills from 15 to 50 metres above lake level and valley floors. The northeast trend of Pickerel Arm and the main body of Minnitaki Lake, as well as most valleys and ridges, reflect the trend of the underlying bedrock.

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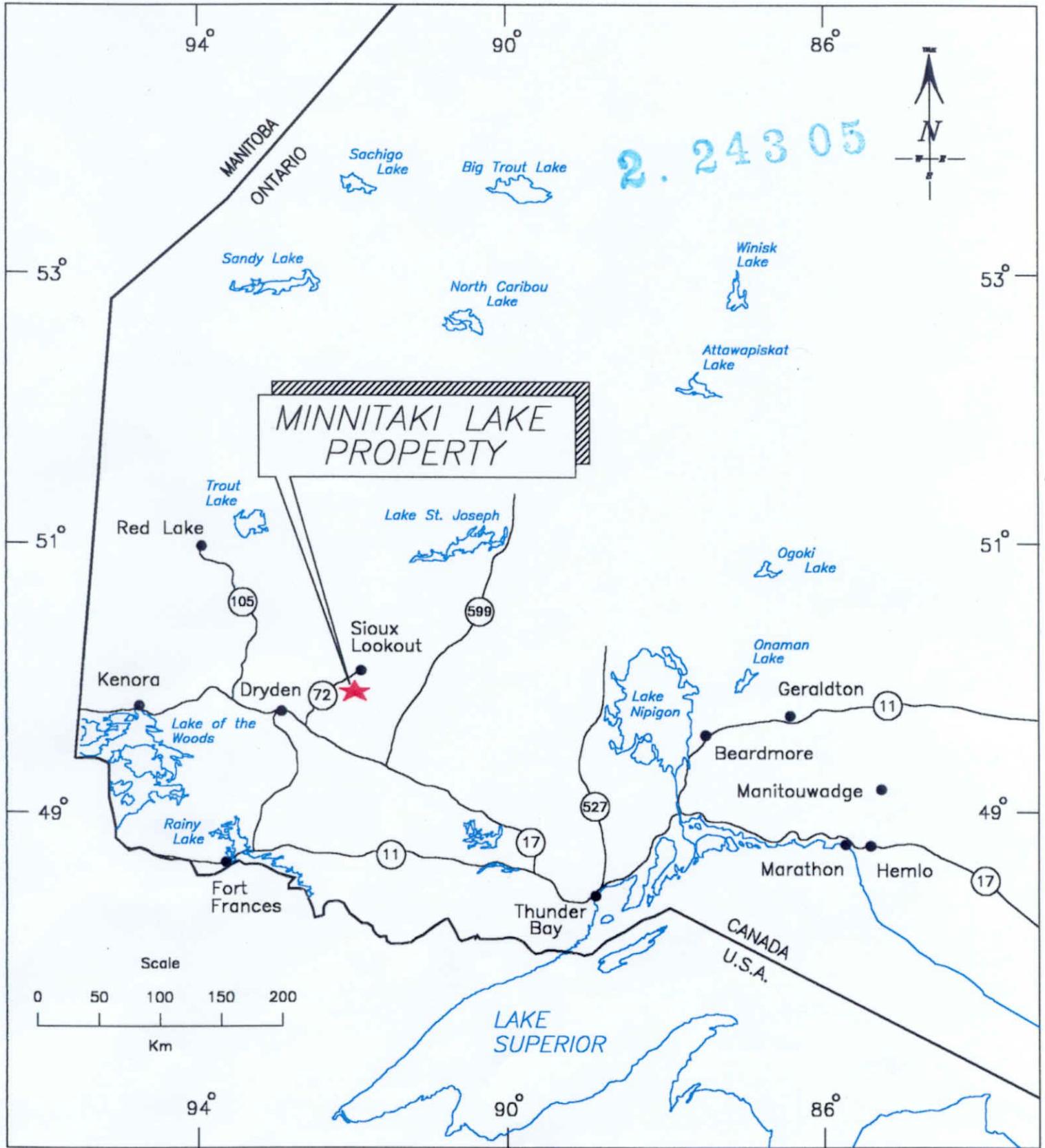


Figure 1. Regional-scale location map.

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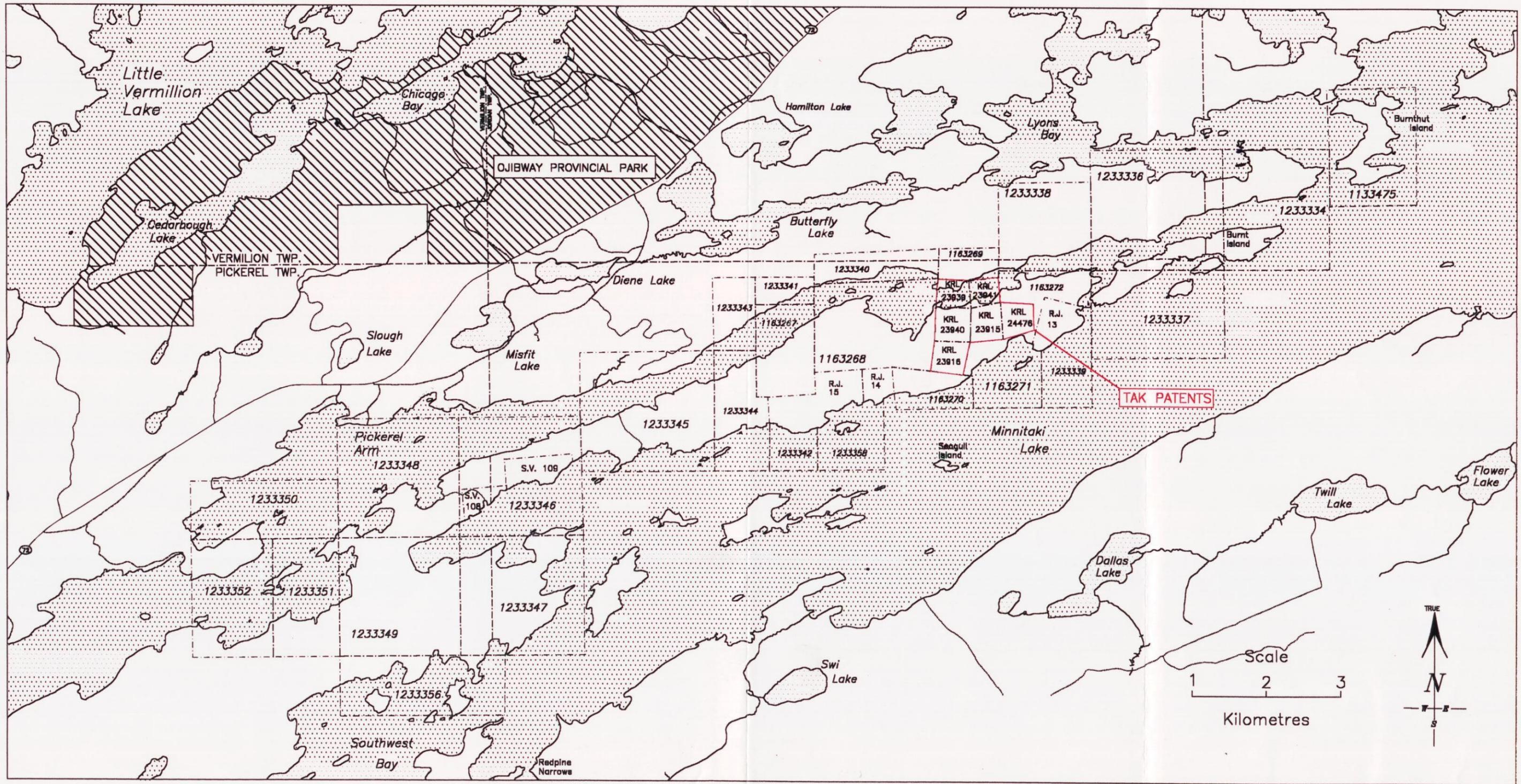


Figure 2. Property-scale location map and claim disposition

4.0 Property History

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The previous history of the Southern Rio's Minnitaki Property is given in detail in the report by Clark and Cullen (2001). The purpose of the current drill program was to follow up encouraging results from the drilling by Triex in 1999.

During the spring of 1999, D. McIvor and G. Clark examined and sampled many of the old trenches and pits present on the Tak patents for Triex. Assay results obtained from grab samples collected during this examination varied from <5 ppb Au to up to 8060 ppb Au and confirmed the presence of significant amounts of gold mineralization on these claims. Of note, however, these assay results were substantially lower than those reported for samples collected from the same trenches by Cominco in the early 1980's which reportedly ranged up to 122,000 ppb (i.e. 3.5 opt) Au (Olver 1981).

In the fall of 1999, Triex drilled ten diamond core holes on the property for a total of 1,558 metres. The drilling targeted the quartz-feldspar porphyry on the patented claims and to the east and northeast of the patents, as well as sheared and altered mafic volcanics and quartz crystal tuffs. Significant intersections from the Tak patents are summarized in Table 1. The location of the holes on the Tak patents (TAK-99-08, -09, and -10) are shown in Figure 3.

Table 1. Significant Intersections from Triex 1999 Drilling

Hole Number	Interval (m)	Width (m)	Grade (g/t)
Tak Patent Claim Holes			
Tak-99-08	84.00 – 85.30	1.30	0.77
	136.00 – 136.50	0.50	4.80
Tak-99-09	17.00 – 19.40	2.40	0.99
	121.00 – 130.50	9.50	0.76
	142.30 – 147.30	5.00	0.58
Tak-99-10 Including	3.57 – 35.40	31.83	2.06
	25.50 – 28.38	2.88	11.78
	34.30 – 35.40	1.10	7.63

5.0 Regional Geology and Gold Mineralization

The Minnitaki Property is underlain by rocks of the Archean Abram-Minnitaki greenstone belt, part of the Wabigoon Subprovince, Superior Province, Canadian Shield. The following description of the regional geology and gold mineralization present in the Abram-Minnitaki greenstone belt is taken from Eveleigh and Cullen (1994):

The Abram - Minnitaki Greenstone Belt (AMGB), located in the Wabigoon subprovince, has been described as a collisional zone between the Wabigoon and English River subprovinces and consists of six easterly trending belts of Archean age. From north to south through the AMGB, the sub-belts are known as the northern metaplutonic complex, northern volcanic belt, northern sedimentary belt, central volcanic belt, southern sedimentary belt, and southern volcanic belt. The AMGB as a whole is intruded by felsic to intermediate masses ranging in size and geometry from stocks to narrow dykes and sills. Metamorphic grade increases through the belt from south to north, with greenschist facies metavolcanics up to Vermillion Lake, grading into epidote amphibolite and almandine amphibolite as you get closer to the granitic rocks north of the belt.

The most significant gold occurrences yet found within the AMGB are related to felsic intrusives in the central volcanic belt; and are usually associated with quartz veining, either in brittle transverse fractures within the intrusives or in shear and alteration zones near the contacts of the intrusives. Gold and sulphide mineralization also occur within shear zones in the volcanics and sediments that do not apparently have a close spatial relationship to the intrusives.

Work to date on the Minnitaki Property has indicated the presence of a large quartz-feldspar porphyry body that is variably silicified, carbonatized, and pyrite mineralized. This unit, which is mostly covered by the Tak patents, is at least 500 metres wide by some 1400 metres long, and has the potential to host multiple zones of open pit/bulk mineable gold mineralization over substantial widths. Smaller bodies of similar lithology also exist elsewhere on the property and warrant further exploration.

The gold occurrences on the Tak patents are some of the best examples of the felsic intrusive-related occurrences. Diamond drilling by Triex Resources Ltd. in 1999 returned a high assay of 11.78 g/t over 2.88 metres (see Table 1).

6.0 2002 Drill Program

The 2002 drill program consisted of drilling eight diamond core holes of size BTW (or BQ Thin Wall), for a total of 1209 metres (see Table 2. Minnitaki Project 2002 Program Summary, and Figure 3). The drilling was done by Northwest Geophysics Ltd. of Thunder Bay, Ontario, and was carried out from July 12th to August 25th, 2002. This period included a break of approximately 20 days after drilling hole TAK-02-06 in order to wait for assays to help decide the locations of the last two holes.

The core was delivered to the home of Desmond Cullen in Kaministiquia, Ontario (approximately 30 km west of Thunder Bay), where it was logged and sampled. Samples were cut primarily by rock saw, however a number of the samples were split by hydraulic rock splitter due to a delay in delivery of diamond blades for the saw.

A total of 475 samples were taken, including blanks, which were regularly inserted into the sample sequence. In addition to these samples, 16 of the original samples were duplicated; i.e the remaining half of the core from the original sample was cut in half again (or quartered) and re-assayed. A number of pulps/rejects were also re-assayed to test the precision/accuracy of the fire-assay process for this particular gold mineralization, and to verify quality control.

Table 2.**Minnitaki Project – 2002 Program Summary**

Hole	Location	Azimuth	Dip	Length (m)	# Samples	Target
TAK-02-01	59+00W, 0+27N	336°	-50°	180	35	Scissors hole to TAK-99-10.
TAK-02-02	59+00W, 1+40N	336°	-50°	141	96	Scissors hole to TAK-99-10.
TAK-02-03	59+50W, 1+05N	336°	-50°	150	43	~50 metres west of TAK-02-02
TAK-02-04	58+50W, 1+00N	336°	-50°	150	68	~50 metres east of TAK-02-02
TAK-02-05	58+00W, 1+89N	156°	-50°	150	50	Step out to east of TAK-99-10
TAK-02-06	61+85W, 1+50N	156°	-50°	244	91	Resistivity high west of TAK-99-10
TAK-02-07	61+85W, 1+50N	156°	-70°	98	56	Underneath TAK-02-06
TAK-02-08	61+00W, 1+70N	156°	-50°	96	36	Same zone as TAK-02-06, 85 m east.
Total				1209 metres	475 samples	

CREDITS AND SOURCES OF INFORMATION

Topographic base derived from Ontario Ministry of Natural Resources digital maps 20155505520, 20155505330, 20155605520, 20155605530, 20155705520 & 20155705530

U.T.M. Grid North is approximately 57 minutes east of True North
1998 magnetic declination is approximately 4 minutes east

LEGEND

-  Shoreline
-  Claim Line
-  Trench
-  Corner/Witness Post (located, assumed)
-  Line Post (located, assumed)
-  IP Anomaly - Chargeability High N-1 (40 millisecond contour)
-  Diamond Drill Hole
-  Apparent Resistivity (ohm-metres)
-  Diamond Drill Hole (2002)

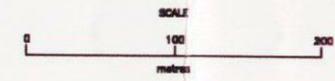
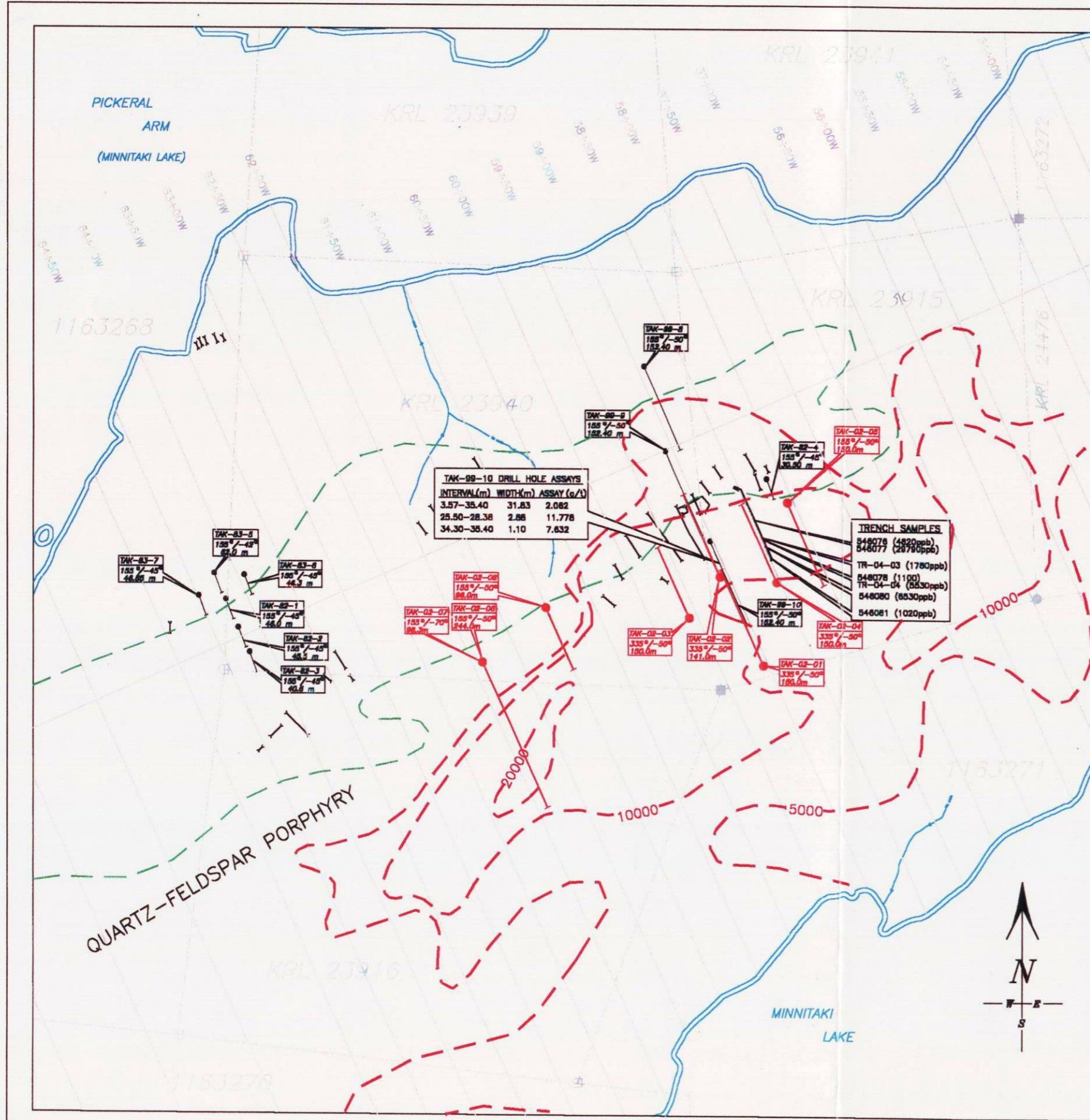


Figure 3

SOUTHERN RIO RESOURCES LTD.	
MINNITAKI PROPERTY SIOUX LOOKOUT AREA, NORTHWESTERN ONTARIO	
TAK PATENTS COMPILATION INCLUDING 2002 DIAMOND DRILL HOLES	
N.T.S. MAP SHEET: 52F/16NE	Geology: D.B. McKay
Revised: September 2002	Digital Cartography: D. Cullen
DWG: TAK-2002ddh2.dwg	
CLARK EXPLORATION CONSULTING	



6.1 Discussion of Drill Results

The 2002 diamond drilling intersected felsic porphyry intrusives (the Porphyry Zone) hosting a hydrothermal alteration system of silicification with a stockwork of quartz +/- carbonate veining. The veins exhibit a wide variety of widths (1 mm to 10 cm) and core angles. The altered rocks display zones of varying degrees of silicification, sericitization, hematization, and potassic alteration. Sulphide mineralization, predominantly pyrite, is ubiquitous in amounts from trace to 1% and over short widths, within more strongly altered zones, the pyrite content ranges as high as 10% over 10 to 15 cm.

Visible gold occurred in a number of holes, usually as very fine grains both within and outside of quartz-carbonate veins and veinlets. This gold mineralization is associated with more strongly silicified and pyrite-mineralized, buff to beige-coloured altered zones. In two of the V.G. occurrences the gold occurred on the edge of, or adjacent to pyrite grains. Re-assays and duplicates of this higher grade material were sometimes erratic, suggesting that the gold assay results are subject to the nugget effect.

The diamond drill logs, with sample intervals and assays, are located in Appendix I; assay certificates are located in Appendix II. A summary of the drill holes is given below; the hole locations are shown in Figure 3, and drill logs and sections are located in Appendices I and III. Also a summary of significant intersections is given in Table 3 below.

TAK-02-01 (59+00W, 0+27N; utms 568128, 5534778): This hole was drilled second, after TAK-02-02, to “scissor” (i.e. drilled in the opposite direction from a collar location further south) hole TAK-99-10 from the Triex 1999 drill program. This was done in order to get a better indication of the dip of zone encountered in TAK-99-10, by drilling north through the same section of the porphyry. Due to wide range in core angles of the quartz-carbonate veins and the spread in gold values through the hole, the dip of the zone cannot be confidently determined at this time. The hole encountered relatively unaltered rock down to approximately 115 metres, after which it intersected increased silicification, sericitization, potassic alteration, and pyrite mineralization to a depth of about 137 metres. This zone returned consistently anomalous gold values, including 6.2g/t Au over 1.2 m from 124.8 to 126.0 m.

TAK-02-02 (59+00W, 1+40N; utms 568080, 5534877): The first hole drilled, this hole also scissored hole TAK-99-10 from the Triex 1999 program, drilling to the north. Because it was drilled first, it was sampled in its entirety (i.e. from top to bottom) in order to give an indication where gold values are occurring and provide a guide for future sampling. The hole intersected anomalous gold values throughout within variably altered quartz-feldspar porphyry. Several visible gold grains were observed at 133.3 metres (which assayed 7.6 g/t Au over 0.9 m) within a small quartz-carbonate vein with potassic alteration and 3-5% disseminated sulphides; the assays are summarized in Table 3. Due to the spread of gold values and zones

over the length of this hole and TAK-99-10, and the wide range of core angles of veins, the actual orientation of any particular zone remains speculative.

TAK-02-03 (59+50W, 1+05N; utms 568046, 5534831): This hole stepped out 50 metres west of the section tested by holes 1 and 2, and was also drilled to the north. The hole intersected scattered zones of weak to moderate silicification and associated alteration from about 50 to 130 metres. These zones consistently returned anomalous gold values, with occasional multi-gram assays (see Table 3). In general the hole intersected the same zone of alteration and mineralization encountered in previous holes.

TAK-02-04 (58+50W, 1+00N; utms 568143, 5534871): This hole stepped out 50 metres east of the section tested by holes 1 and 2, and was again drilled to the north. The hole encountered weaker alteration in general, with altered sections becoming narrower and more spread out. Correspondingly, gold values were lower throughout. One moderately altered zone was intersected from about 102 to 111 metres, which included the highest assay in the hole (2.9 g/t Au over 1.4 m). Alteration was also slightly increasing towards the end of the hole, which returned anomalous gold values.

TAK-02-05 (58+00W, 1+89N; utms 568155, 5534960): This hole was the easternmost hole drilled during this program (50 metres grid-east of TAK-02-04 and 89 metres grid-north; this is approximately 80 metres due north of TAK-02-04 using true north – see Figure 3), and was drilled to the south. As opposed to the previous four holes, this hole collared in a quartz porphyry, with 10 to 20% quartz clear quartz phenocrysts up to 1 cm. At 60 metres it passes into a feldspar porphyry, with an apparent absence of quartz phenocrysts. Finally at 82 metres it grades into the quartz-feldspar porphyry (QFP). The hole encountered sparse alteration, and only one anomalous gold assay (122 ppb over 1.05 m @ 93.1 m), from a fault zone within the QFP.

TAK-02-06 (61+85W, 1+50N; utms 567816, 5534781): Collared approximately 235 metres west of Hole 3, this hole was in QFP for its entire length. The hole was sited at this location in order to test a resistivity high from Cominco's geophysical survey of 1980 (see Figure 3). The hole encountered several zones of moderate to strong alteration and associated gold mineralization down to 84 metres. This alteration included a section between 27.73 and 35.30 metres of moderate to strong silicification with up to 7-10% disseminated pyrite and 3 occurrences of visible gold in intense buff-beige-coloured alteration and silicification. This intersection (from 27.27 to 35.30) assayed 3.08 g/t Au over 7.57 metres; however, this included an assay of 13.1 g/t over 0.75 m that could not be repeated despite 9 re-assays, again indicating the nugget effect of the gold mineralization. The hole also returned an assay of 7.0 g/t Au over 1.1 from 81.3 to 82.4 m within a breccia zone with quartz-carb infilling and 1-2% pyrite (Table 3). Quartz-carb veinlets throughout the hole were commonly oriented at 50-70° to core axis; however,

within the zones with the higher grade gold the veins were at highly variable core angles.

TAK-02-07 (61+85W, 1+50N; utms 567816, 5534781): Drilled from the same collar location as TAK-02-06, hole 7 was steepened to -70° (hole 6 being -50°) in order to intersect the same zone encountered at the top of TAK-02-06 and possibly determine its orientation. The hole did in fact cut the same zone, and intersected numerous similar sections of buff-beige coloured alteration with strong silicification, locally up to 10% pyrite, and two occurrences of visible gold (at 30.08 m and 36.68 m) between 27.80 and 38.50 metres. Due to the wide range in core angles of the quartz-carbonate veins, the dip of the zone cannot be confidently determined at this time. Both TAK-02-06 and -07 intersected the higher-grade zone to approximately the same depth (35 to 40 metres); however, TAK-02-06 intersected significant mineralization further down the hole, possibly suggesting that the hole is dipping to the south (see Appendix III – Drill Sections). The zone in TAK-02-07 returned an intersection from 27.70 to 36.40 that assayed 3.18 g/t Au over 8.7 metres; this includes 8.62 g/t Au over 0.5 m from 27.70 to 28.20 m, 9.67 g/t Au over 0.8 m from 29.45 to 30.25 m, and 7.57 g/t Au over 1.4 m from 35.00 to 36.40 m. Below 38.5 m the QFP becomes less/unaltered, with only occasional narrow alteration zones.

TAK-02-08 (61+00W, 1+70N; utms 567888, 5534809): This hole was drilled 85 metres east of holes 6 and 7, and 20 metres north (grid north) in order to try to trace the zone encountered in those holes back east towards the mineralization located in the previous drilling and trenching. The hole collared in QFP, passed through a relatively unaltered quartz porphyry, and then intersected a QFP similar to that seen in previous holes. This QFP contained sparse alteration, with altered sections being generally of lower grade alteration and narrow compared with previous intersections. The best assays from this hole occurred near the top of the lower QFP unit, with 1.41 g/t Au over 1.5 m from 30.25 to 31.75 m, and 1.42 g/t Au over 1.5 m from 45.00 to 46.50 m.

Table 3.**2002 Minnitaki Project Drilling Results Summary**

Hole Number	Interval (m)	Width (m)	Grade (g/t)
Tak-02-01	123.8 – 136.0	12.2	1.27
Tak-02-02	14.50 – 32.60	18.10	1.31
	52.00 – 53.50	1.50	3.29
	87.50 – 98.00	10.50	0.71
	127.30 – 141.00	13.70	0.895
Tak-02-03	53.3 – 57.0	1.7	4.13
	74.9 – 75.9	1.0	3.85
	89.1 – 90.3	1.2	4.28
	98.6 – 100.4	1.8	2.40
	118.4 – 119.2	0.8	2.84
Tak-02-04	108.6 – 113.2	4.6	1.21
	139.0 – 141.7	2.7	1.22
Tak-02-05	No significant results		
Tak-02-06	27.73 – 35.30	7.57	3.08
	50.5 – 63.0	12.5	0.96
	59.92 – 63.0	3.08	2.25
	81.3 – 82.4	1.1	7.04
Tak-02-07	27.70 – 36.40	8.70	3.18
	27.70 – 39.75 (with a 1.0 g/t cut-off)	12.05	2.81
	27.70 – 28.20	0.50	8.62
	29.45 – 30.25	0.80	9.67
	35.00 – 36.40	1.40	7.57
Tak-02-08	30.25 – 31.75	1.5	1.41
	45.00 – 46.50	1.5	1.42

7.0 Sampling Method and Approach

The sampling method and approach consisted of logging the core and sampling any zones of increased alteration, quartz-carb veining or sulphide mineralization. These zones are somewhat relative and arbitrary, as the entire unit generally exhibits at least some degree of these characteristics. Samples were laid out generally up to 1.5 metres (with the occasional exception). Such a large sample interval was judged to be acceptable as the mineralization/alteration was relatively widespread. Smaller samples were laid out where warranted by narrower zones of interest. The first hole drilled (TAK-02-02) was sampled in its entirety in order to guide in future sampling.

8.0 Sampling Preparation, Analysis, and Security

For the purposes of sampling the Minnitaki diamond drill core was cut by a core saw or split by a hydraulic splitter. The remaining half of the core is racked and stored at Des Cullen's core facility in Kaministiquia, Ontario. The split core samples were delivered in person to Accurassay Laboratories in Thunder Bay for analysis. Their results were reported in ppb gold. With this process, the detection limit for gold is 5 ppb (<0.001 oz/t). Rejects and pulps are temporarily stored at Accurassay Laboratories which is registered ISO 17025. Sample blanks and duplicates were inserted to help verify quality control.

Accurassay's procedure is as follows:

The samples are dried, if necessary, and then jaw crushed to -8 mesh, riffle split and pulverized to 90% -150 mesh, and then matted to ensure homogeneity. The remnant -8 mesh material is known as a reject and the remnant - 150 mesh material is the pulp. Silica sand is used to clean out the pulverizing dishes between each sample to prevent cross-contamination.

The homogeneous sample (pulp) is then split to produce a 30 gram sample that is fired in the fire assay lab. The sample is mixed with a lead-based flux and fused for an appropriate length of time. The fusing process results in a lead button, which is then placed in a cupelling furnace where all of the lead is absorbed by the cupel and a silver bead, which contains any gold, platinum and palladium, is left in the cupel. The cupel is removed from the furnace and allowed to cool. Once the cupel has cooled sufficiently, the silver bead is placed in an appropriately labelled small test tube and digested using a 1:3 ratio of nitric acid to hydrochloric acid. The samples are bulked up with 1.0 ml of distilled deionized water and 1.0 ml of 1% digested lanthanum solution. The total volume is 3.0 ml. The samples are vortexed and allowed to settle.

Once the samples have settled they are analyzed for gold using atomic absorption spectroscopy. The atomic absorption spectroscopy unit is calibrated for each element in an air-acetylene flame. The results for the atomic absorption are checked by the technician and Quality Control Coordinator and then forwarded to data entry by means of electronic transfer and a certificate is produced. Every tenth sample is duplicated for quality control. All assays greater than 34000 ppb are analysed three times and averaged.

The Laboratory Manager checks the data and validates it if it is error free. The results are then forwarded to the client by fax, e-mail, floppy or zip disk, or by hardcopy in the mail.

9.0 Data Verification

In order to verify quality control and to test the adequacy of the fire-assay procedure for this particular gold mineralization, a procedure of inserting blanks and duplicates into the sample sequence was used during the logging/sampling of the drill holes. Blanks and duplicates for each hole are listed in the drill logs (Appendix I). Table 4 below lists the duplicates with their original samples, as well as the blanks and their matches.

Simply put, the “blank” core consisted of mafic volcanic core from a previous drill program unrelated to the Minnitaki Property. This core was cut with the rock saw, with each half of the core serving as a separate sample in order to duplicate the blanks (in the event that some of the blank core contained gold). The blank samples were then inserted into the sample shipments at more or less regular intervals. No blanks were inserted into holes Tak-02-01, and -02 because the blank core was not yet available.

The procedure for duplicating samples consisted of picking out several samples within a hole, re-cutting the remaining half of the core, and submitting the quarter-sample as a new sample to compare with the original assay.

In addition, a number of pulps/rejects were re-run as a result of some discrepancies in check assays and duplicates. The procedure indicates that where gold was present (especially visible gold) the gold mineralization is subject to the “nugget effect”; i.e. a given cut from the sample can vary widely from another cut of the same sample due to the tendency of the gold to remain concentrated as a “nugget”, or relatively coarse grain (see Table 4). This suggests that another analysis method may be necessary in order to get a reliable indication of the gold content.

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Table 4. Sample Duplicates and Blanks

Duplicate Samples					
Original Sample No.	Assay ppb Au	check	Duplicate Sample No.	Assay ppb Au	check
70141	3213		70176	1369	
70160	238		70177	359	
70169	2835		70178	1924	
70262	<5		70298	<5	
70279	<5		70299	<5	
70293	<5		70300	8	
70314	114		70392	97	
70330	23		70393	23	
70350	746		70394	641	
70378	28		70395	23	22
70408	412		70458	438	
70416	9670		70459	4923	
70437	53		70460	59	
70467	10		70497	21	
70480	62		70498	232	
70487	150		70499	218	
Blank Samples					
Blank Sample	Assay ppb Au	check	Matching Blank	Assay ppb Au	check
70115	<5		70136	<5	
70208	<5		70228	12	
70316	5		70333	<5	
70158	25		70190	8	
70263	<5		70282	<5	
70353	<5		70370	<5	
70316	5		70333	<5	
70426	21		70448	15	19
70483	<5		70496	10	

10.0 Conclusions and Recommendations

The 2002 diamond drilling performed by Southern Rio Resources both confirmed and extended the disseminated gold mineralization within the altered quartz-feldspar porphyry located on the TAK patents of Southern Rio's Minnitaki property. The gold mineralization is associated with a stockwork system of quartz-carbonate veins and varying degrees of silicification, hematite/potassic alteration, sericitization, saussuritization, and pyrite mineralization.

The best gold zone encountered during the current program was in holes TAK-02-06 and -07, which were the western-most holes drilled during the program and were both drilled from the same collar location. The best intersection of hole TAK-02-06 was 3.08 g/t Au over 7.57 m (from 27.73 – 35.30); and the best intersection from hole TAK-02-07 was 3.18 g/t Au over 8.7 m (see Table 3 for a breakdown of these intervals). This zone is generally buff to beige in colour, and exhibits strong to intense silicification and carbonatization with up to 10% disseminated pyrite.

One of the goals of this drill program was to get an indication of the dip of the mineralized zone; unfortunately, this was not possible (except in the most speculative sense) due to the stockwork nature of the alteration, veining and gold mineralization. This stockwork nature is indicated by the wide range in the core angles of veins and the wide spread in gold values through several of the holes. Further drilling on a denser pattern (including deeper holes) will be required to get a confident interpretation of the dip.

At the time of the initial writing of this report, it was decided to sample the rest of hole TAK-02-03 because of surprisingly high assays from some of the peripheral samples. Also, the rejects from all samples that assayed over 3 g/t Au will be re-analysed using the "Coarse Metallics" method. These results were not yet available as the report was first sent to the printers, and will be discussed in a supplemental report when the results become available.

The promising results from this drill program, specifically holes TAK-02-06 and -07, warrant further investigation. It is recommended that a program of mechanical stripping be carried out in the area of the collars of these two holes in order to determine the orientation of the zone, and to see what the zone looks like on a larger scale. Once this is completed and the zone is better understood, more diamond drilling should be done in an effort to expand and trace the zone – both at depth and along strike.

11.0 References

- Clark, J.G., and Cullen, D. 2001. A Report to Evaluate and Recommend an Exploration Program on the Minnitaki Property of Southern Rio Resources Ltd. In house unpublished report.
- Eveleigh, A.J. and Cullen, D. 1994. Abram-Minnitaki Greenstone Belt, Gold Occurrences, December, 1994, proprietary Clark - Eveleigh Consulting in-house report, 80p.
- McKay, D.B. 1999. Report on 1999 Geological Mapping and Sampling Program, Minnitaki Property, Sioux Lookout Area, Northwestern Ontario; for Triex Resources Limited. Assessment files, Sioux Lookout Regional Resident Geologist's Office, Sioux Lookout, Ontario.
- Olver, J.S. 1981. Cominco Limited, Tak Property, Year-End Report - 1980, Assessment files (52F/16NE-0033), Sioux Lookout Regional Resident Geologist's Office, Sioux Lookout, Ontario, 4p.

12.0 Certificate of Qualifications

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CERTIFICATE of AUTHOR

I, Desmond Cullen, H.B.Sc., do hereby certify that:

1. I am currently self-employed as a consulting geologist.
2. I graduated with a degree of Honours Bachelor of Science from Lakehead University, Thunder Bay, in 1988.
3. I am a member of the A.P.G.O. (#0164), and am also a member of the Ontario Prospectors Association.
4. I have worked as a geologist for a total of 14 years since my graduation from university.
5. I have read the definition of “qualified person” set out in National Instrument 43-101 (“NI 43-101”) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant experience, I fulfill the requirements to be a “qualified person” for the purposes of NI 43-101.
6. I am responsible for the preparation of the entire body of the technical report titled “Report on the 2002 Diamond Drilling Program on the Minnitaki Property of Southern Rio Resources Ltd” and dated September 27th, 2002 (the “Technical Report”) relating to the Minnitaki Property. I personally supervised the drilling program and logged the core.
7. I have had prior involvement with the property that is the subject of the technical report, when I logged several holes during the 1999 diamond drilling program of Triex Resources Ltd.
8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.
9. I am independent of the issuer applying all of the tests in section 1.5 of National Instrument 43-101.

Desmond Cullen - CERTIFICATE of AUTHOR (page 2)

10. I have read National Instrument 43-101 and Form 43-101F1, and the Technical Report has been prepared in compliance with that instrument and form.

11. I consent to the filing of the Technical Report with any stock exchange and any other regulatory authority and any publication by them, including electronic publication in the public company files on their websites accessible by the public, of the Technical Report.

Dated this 27th day of September, 2002



2002. 09. 27 14:30

Desmond Cullen

Appendix I
Diamond Drill Logs
For
Southern Rio Resources Ltd.'s
2002 Drill Program

DIAMOND DRILL LOG

Hole TAK-02-01

CLARK EXPLORATION CONSULTING

Drilling Company: Northwest Geophysics	Collar Elevation: 401 metres	Bearing: 336° (Grid North)	Total Meterage: 180m	Dip of Hole at Collar: -50	Drill Hole Location: 59 + 00W / 0 + 27N	Location: UTMS (NAD 27/ zone 15) 568128, 5534778
Hole Started: July 15, 2002	Hole Finished: July 17	Logged By: D. Cullen		96m -50°	Core Stored At:	Hole #: TAK 02-01
Exploration Co., Owner or Optionee: Southern Rio	Date Logged: July 19	Submitted By: (Signature)		180m -50°	Page 1 of 3	
					Property Name: Minnitaki	

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES			ASSAYS		
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
0	1.5	Overburden							
1.5	180	5c	Quartz feldspar porphyry. Reddish grey; generally fine to medium- grained (local coarse- grained sections); up to 60-70% medium- grained feldspar phenocrysts (anhedral to subhedral to locally obliterated, usually in the presence of alteration). Feldspar usually white- grey and locally pink to buff- coloured; sericite common, locally strong in altered sections. Sections of silicification at varying degrees. Quartz veins common at variable core angles, usually 2-5mm. Generally weakly magnetic with magnetite also occurring locally in vein/seams with quartz ± carb ± chlorite. Top part of the hole contains sparse pyrite - occurs locally in veinlets and seams, usually with quartz veins or silicification; pyrite mineralization increases to ~1% below 100 metres. Rare chalcopyrite.						
	180	E.O.H	27.21 - 28.06m: Moderate breccia zone with quartz- carb in-filling; sericite; 1% patchy and disseminated pyrite ; moderate to strong silicification. Gradational contacts.	70097	26.10	27.10	1.00	<5	
			35.23 - 36.15m: Zone of moderate to strong silicification with irregular quartz carb veins and 1-2% disseminated and stringer pyrite up to 5mm. Contacts diffuse to sharp and irregular.	70098	27.10	28.10	1.00	6	
			45.7 - 49.90m: Zone of weak to locally moderate brecciation; quartz veining (± carb); chlorite veins/ seams up to 1cm (with coarse pyrite) ankerite seams (?) or iron oxide staining in some fractures; feldspars range from sharp to obliterated grain boundaries; tr- 1% pyrite overall.	70099	28.10	29.10	1.00	10	
			48.3 - 48.4m: 1.5cm quartz vein with Fe-carb along contacts- contacts @ 50° to core axis.	70100	34.20	35.20	1.00	<5	
			87.20 - 88.5m: Slight increase in quartz and sericite veins and fractures @ variable core angles; occasionally weakly brecciated; quartz veins usually irregular with calcite; trace pyrite.	70101	35.20	36.20	1.00	984	
				70102	36.20	37.20	1.00	<5	
				70103	45.60	45.90	0.30	6	
				70104	46.90	48.20	1.30	<5	<5
				70105	48.20	48.70	0.50	123	
				70106	48.70	49.90	1.20	31	

DIAMOND DRILL LOG

Hole TAK-02-02

CLARK EXPLORATION CONSULTING

Drilling Company: Northwest Geophysics	Collar Elevation: ~405 metres	Bearing: 336° (Grid North)	Total Meterage: 141 metres	Dip of Hole at Collar: -50	Drill Hole Location: 59+00W/1+40N	Location: UTMS 568080, 5534877
Hole Started: July 12	Hole Finished: July 14	Logged By: D. Cullen		69m - 45°	Core Stored At:	Hole #: TAK-02-02
Exploration Co., Owner or Optionee: Southern Rio	Date Logged: July 16	Submitted By: (Signature)		141m - 40°	Page 1 of 4	
					Property Name: Minnitaki	

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES			ASSAYS		
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
0	2.4	Overburden	Note: This hole scissors hole TAK-99-10, i.e. is drilled on the same line, in the opposite direction. The entire hole is quartz feldspar porphyry.						
2.4	141	5c	<p>Quartz feldspar porphyry</p> <p>Reddish grey, generally fine- to medium- grained usually fine-grained matrix with up to 60% medium-grained (1-3mm) feldspar phenocrysts; massive to weakly foliated foliation usually defined by wispy sericite; core angle of the foliation varies, but 50-70° is most prevalent. Various degrees of silicification, sericitization & quartz veining- altered sections of 0.5 to several metres usually defined by diffuse or obliterated grain boundaries, ± sericite & silicification. Occasional potassic alteration. Quartz veining throughout - locally strong, at variable core angles and widths, usually with carbonate (calcite and/ or ankerite) along vein walls. Generally weakly to moderately magnetic with occasional clots and seams of magnetite. Rare possible galena ± sphalerite. Pyrite throughout (replacement of mag?) From <1mm to 1cm; coarser grains generally associated with stronger alteration (i.e. silicification ± potassic alteration), 1-2% pyrite overall.</p> <p>8.7 - 9.3m: Moderate Fe-oxide along fractures.</p> <p>10.3 - 10.5m: Moderate to strong sericitization with irregular quartz vein and iron carb.</p> <p>15.1 - 15.6m: Broken/ oxidized core - possible weak fault.</p> <p>16.2 - 16.8m: Local moderate potassic alteration.</p> <p>17.71 - 17.81m: 2.5cm quartz vein @ 40° to core axis; 3-5% pyrite (1-2mm) along contacts. Contacts sharp/reg core angles. Occasional coarse pyrite (5-7mm).</p> <p>20.83 - 20.89m: 3cm quartz vein @ 65° to core axis; contacts sharp and irregular; no sulphides or carb</p>						
				70096	2.40	4.00	1.60	87	
				70001	4.00	5.50	1.50	277	
				70002	5.50	7.00	1.50	233	
				70003	7.00	8.50	1.50	30	
				70004	8.50	10.00	1.50	<5	
				70005	10.00	11.50	1.50	42	
				70006	11.50	13.00	1.50	13	
				70007	13.00	14.50	1.50	<5	
				70008	14.50	16.00	1.50	1007	
				70009	16.00	17.50	1.50	1202	
				70010	17.50	19.00	1.50	64	
				70011	19.00	20.50	1.50	380	

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES			ASSAYS		
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
			21.04 - 21.05m: 1cm quartz pyrite vein @ 45° to core axis. ~25% pyrite and 10% magnetic.	70012	20.50	22.00	1.50	814	
			22.9 - 23.0m: Thin seam (1-2mm) with mag (+cal + sph?) @ 30° to core axis.	70013	22.00	23.50	1.50	3719	
			27.8 - 29.0m: Irregular quartz + carb + k-fspar vein @ 30-35° to core axis.	70014	23.50	25.00	1.50	58	
			31.6 - 32.6m: pyrite cubes up to 1cm; strong silicification irregular quartz- carb veins.	70015	25.00	26.50	1.50	2908	
			41.8 - 44.2m: Grain boundaries obliterated; irregular sericite quartz veinlets at variable core angles occasional quartz vein (~1cm).	70016	26.50	28.00	1.50	1657	
			61.2 - 63.7m: Moderate silicification with irregular quartz veins up to 1.5cm at variable core angles and occasional coarse pyrite (up to 5mm); several irregular chlorite + pyrite fractures.	70017	28.00	29.50	1.50	244	
			65.7 - 66.5m: Moderate silicification; grain boundaries diffuse to obliterated; occasional pyrite and chlorite seam.	70018	29.50	30.50	1.00	586	
			88.42 - 88.98m: Breccia zone: approx 75% quartz with sericitized breccia fragments disseminated pyrite up to 2-3% in bx'a fragments.	70019	30.50	31.50	1.00	153	148
			88.98 - 92.01m: Zone of strong silicification and moderate sericitization, weak chloritization; diffuse to obliterated grain boundaries. Occasional quartz vein up to 1cm.	70020	31.50	32.60	1.10	4439	
			93.65 - 94.14m: Moderately broken core with some minor silicification and irregular pyrite/chlorite seam. Non- magnetic.	70021	32.60	34.00	1.40	70	
			100.50 - 100.57m: Pyrite seam - width varies from 1-4mm @ 40-30° core angle.	70022	34.00	35.50	1.50	82	
			102.88 - 104.46m: Moderate silicification; 2.5cm quartz vein @ 102.88; locally strong chlorite (?) alteration.	70023	35.50	37.00	1.50	150	
				70024	37.00	38.50	1.50	58	
				70025	38.50	40.00	1.50	10	
				70026	40.00	41.50	1.50	20	
				70027	41.50	43.00	1.50	55	
				70028	43.00	44.50	1.50	36	43
				70029	44.50	46.00	1.50	<5	
				70030	46.00	47.50	1.50	8	
				70031	47.50	49.00	1.50	65	
				70032	49.00	50.50	1.50	323	
				70033	50.50	52.00	1.50	21	
				70034	52.00	53.50	1.50	3289	
				70035	53.50	55.00	1.50	27	
				70036	55.00	56.50	1.50	<5	
				70037	56.50	58.00	1.50	<5	12
				70038	58.00	59.50	1.50	7	
				70039	59.50	61.00	1.50	93	
				70040	61.00	62.50	1.50	126	
				70041	62.50	64.00	1.50	525	

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES				ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
			104.87 - 105.26m: 3 pyrite seams (1-2mm) @ 10-15° to core axis. Low angle pyrite seams continue to approximately 106.5 metres.	70042	64.00	65.00	1.00	54	
				70043	65.00	66.50	1.50	138	
				70044	66.50	68.00	1.50	38	
			107.95 - 108.07m: Quartz vein with sericitic/ saussuritic partings up to 5mm; slightly irregular contacts @ 55° to core axis.	70045	68.00	69.50	1.50	26	
				70046	69.50	71.00	1.50	99	103
				70047	71.00	72.50	1.50	216	
				70048	72.50	74.00	1.50	829	
			111.35 - 112.65m: Strongly silicified; chloritized, saussuritized; same pyrite content (1-2%)- section looks greenish, weakly brecciated. Upper contact sharp and irregular at 45° to core axis. Lower contact diffuse/ gradational.	70049	74.00	75.50	1.50	113	
				70050	75.50	77.00	1.50	85	
				70051	77.00	78.50	1.50	<5	
				70052	78.50	80.00	1.50	<5	
				70053	80.00	81.50	1.50	21	
				70054	81.50	83.00	1.50	115	
				70055	83.00	84.50	1.50	<5	<5
				70056	84.50	86.00	1.50	140	
				70057	86.00	87.50	1.50	82	83
				70058	87.50	89.00	1.50	683	
				70059	89.00	90.50	1.50	439	
				70060	90.50	92.01	1.51	38	
				70061	92.01	93.50	1.49	11	
				70062	93.50	95.00	1.50	2503	
				70063	95.00	96.50	1.50	1018	
				70064	96.50	98.00	1.50	288	
				70065	98.00	99.50	1.50	142	
				70066	99.50	101.00	1.50	20	23
				70067	101.00	102.60	1.60	<5	
				70068	102.60	103.60	1.00	33	
				70069	103.60	105.40	1.80	29	
				70070	105.40	107.00	1.60	26	
				70071	107.00	108.50	1.50	13	
				70072	108.50	110.00	1.50	74	
				70073	110.00	111.30	1.30	<5	

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES				ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
			121.8 to (E.O.H.): General increase in silicification- feldspar boundaries diffuse to obliterated with occasional section of sharp boundaries. 1-2% disseminated pyrite.	70074	111.30	112.70	1.40	1040	
				70075	112.70	114.30	1.60	6	<5
				70076	114.30	115.80	1.50	<5	
			123.84 - 125.77m: Moderate to strong silicification with 2-3% disseminated pyrite; several quartz veins ~0.5cm @ 80° to core axis; local moderate sericite.	70077	115.80	117.30	1.50	380	
				70078	117.30	118.80	1.50	339	
				70079	118.80	120.30	1.50	37	
			128.7 - 130.10m: Strong silicification with several sections of irregular (brecciated?) pyrite- chlorite seams/veinlets.	70080	120.30	121.80	1.50	<5	
				70081	121.80	122.80	1.00	<5	
				70082	122.80	123.80	1.00	<5	
			133.30 - 135.10m: Moderate potassic (pinkish-coloured) alteration with 3-5% disseminated pyrite (locally 7-10% over 10cm). Irregular quartz vein from 134.29- 134.35. Feldspar up to 1cm. *V.G.grains @ 133.30	70083	123.80	124.80	1.00	11	
		**		70084	124.80	125.80	1.00	11	12
			135.78 - 137.07m: Moderate to strong silicification with moderate sericitization; 2-3% fine- grained disseminated pyrite occasional quartz vein up to 1cm @ variable degrees to core axis.	70085	125.80	127.30	1.50	8	
				70086	127.30	128.70	1.40	892	
				70087	128.70	130.10	1.40	233	
				70088	130.10	131.60	1.50	29	
			138.20 - 141.00 (E.O.H): Moderate potassic alteration with coarser feldspar, irregular quartz veins with magnetite and pyrite, 2-3% disseminated pyrite up to 3mm.	70089	131.60	133.10	1.50	34	
				70090	133.10	134.00	0.90	7602	
				70091	134.00	135.10	1.10	628	
				70092	135.10	136.60	1.50	205	
				70093	136.60	138.10	1.50	429	432
				70094	138.10	139.60	1.50	314	
			141.00 End of Hole	70095	139.60	141.00	1.40	1183	

DIAMOND DRILL LOG
Hole TAK-02-03

CLARK **EXPLORATION CONSULTING**

Drilling Company: Northwest Geophysics		Collar Elevation: 405m	Bearing: 336° - Grid North	Total Meterage: 150m	Dip of Hole at Collar: -50	Drill Hole Location: 59 + 50W / 1+ 05N	Location: UTMS 568046, 5534831		
Hole Started: July 18, 2002		Hole Finished: July 19, 2002	Logged By: D. Cullen		150m	- 48°	Core Stored At:		
Exploration Co., Owner or Optionee: Southern Rio		Date Logged: July 22, 2002	Submitted By: (Signature)				Hole #: TAK-02-03		
		Date Submitted:					Page 1 of 3		
				Property Name: Minnitaki					
METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES			ASSAYS		
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
0	5.15	Overburden							
5.15	150	5c	<p>Quartz feldspar porphyry. Reddish grey; fine- to medium- grained with up to 60% feldspar phenocrysts up to 4mm in size; feldspar are euhedral to subhedral with grain boundaries obliterated with increasing alteration - generally consists of silicification, sericitization and carbonatization with quartz-carb-mag veining and coarser pyrite; pyrite content is trace to 1% overall - usually disseminated; weakly magnetic, occasionally moderately magnetic due to magnetite bands/seams. Quartz and quartz-carbonate veins and fracture-filling common throughout @ variable core angles- 50-70° core angle is almost common. Widths are usually 1-5mm. Occasional zone with Fe -oxide fractures. Chlorite alteration increases downhole- usually associated with sericite and silicification. Occasional chalcopyrite associated with pyrite mineralization.</p> <p>17.9 - 20.7: Moderate silicification; feldspar boundaries obliterated; greenish- grey in colour with moderate chlorite and slightly increased sericite. 1-2% disseminated pyrite/ occasional stringer pyrite.</p> <p>39.43 - 39.98: Fe-oxide fractures.</p> <p>47.98 - 48.31: 1-1.5cm quartz vein @ 10° to core axis with Fe-carb along contacts and 1% pyrite.</p> <p>49.75 - 49.84: 3cm quartz vein @ 60° to core axis; minor carb; trace pyrite.</p> <p>54.65 - 56.70: Weak to moderate silicification, sericitization and chlorite alteration; 1-2% disseminated pyrite.</p> <p>55.53-55.66: Irregular quartz-carb vein; no pyrite in vein but 2-3% disseminated in host rock.</p> <p>56.33-56.41: 1cm irregular quartz-carb-pyrite vein @ roughly 45° to core axis.</p>						
				70133	17.80	18.80	1.00	8	<5
				70134	18.80	19.80	1.00	21	
				70135	19.80	20.80	1.00	21	
				70136	blank	blank		<5	
				70137	39.20	40.20	1.00	559	
				70138	47.90	48.90	1.00	69	
				70139	48.90	49.90	1.00	287	
				70140	54.60	55.30	0.70	241	
				70141	55.30	55.80	0.50	3213	
				70142	55.80	57.00	1.20	4473	4550

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES			ASSAYS		
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
			69.39 - 69.9m: Moderate silicification with irregular quartz veins, moderate carb and 2-3% disseminated pyrite.	70143	68.30	69.30	1.00	24	
				70144	69.30	70.00	0.70	91	
				70145	70.00	71.00	1.00	74	
			74.87 - 75.79m: Irregular sulphide vein/seam running sub-parallel to core axis; occasional quartz-carb; vein is locally 5mm thick with 90% sulphides. Overall sulphide content is 3-5% pyrite and 1% c pyrite.	70146	73.90	74.90	1.00	473	
				70147	74.90	75.90	1.00	3845	
				70148	75.90	76.90	1.00	484	
			88.07 - 90.21m: Moderate silicification with diffuse fsapr boundaries and 2-3% stringer and disseminated pyrite.	70149	88.00	89.10	1.10	180	
				70150	89.10	90.30	1.20	4285	
			97.69 - 100.28m: Moderate silicification with fspar alteration, along fractures; moderately chloritic and weakly sericitic; chlorite fractures and seams; 2-3% disseminated pyrite up to 2-3mm.	70151	97.60	98.60	1.00	156	173
				70152	98.60	99.50	0.90	2657	
			100.28 - 106.76m: Weak silicification with fspar boundaries weakly diffuse in general.	70153	99.50	100.40	0.90	2145	
			106.76 - 111.96m: Moderate silicification with sericite and chlorite; grey-green colour in general; fspar boundaries obliterated; local weak foliation @ 60-70° to core axis (defined by chlorite); contacts gradational; 1% disseminated pyrite overall.	70154	100.40	101.90	1.50	117	
				70155	101.90	103.40	1.50	701	
				70156	103.40	105.00	1.60	73	
				70157	105.00	106.60	1.60	252	
			111.96 - 117.57m: Less altered section - fspar boundaries generally sharp.	70158	blank	blank		25	
			117.57 - 121.01m: Strong silicification and quartz veining/flooding locally strongly brecciated with quartz (± carb) in-filling; occasional pyrite seam 2-3mm @ 20-30° to core axis; 1-2% disseminated pyrite overall; host rock is generally grey-green due to strong sericite-chlorite; fspar boundaries usually obliterated; upper contact diffuse, lower contact sharp and regular at 85° to core axis (with quartz-carb vein)	70159	106.60	107.80	1.20	207	
				70160	107.80	108.90	1.10	238	235
				70161	108.90	110.00	1.10	567	
				70162	110.00	111.00	1.00	445	
				70163	111.00	112.50	1.50	120	
				70164	112.50	114.00	1.50	81	
				70165	114.00	115.50	1.50	25	
				70166	115.50	116.50	1.00	86	
				70167	116.50	117.50	1.00	199	
				70168	117.50	118.40	0.90	271	
				70169	118.40	119.20	0.80	2835	
				70170	119.20	120.10	0.90	330	
				70171	120.10	121.10	1.00	770	

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES			ASSAYS			
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check	
150m	E.O.H.	126.20 - 120.1m: Moderate silicification with weak to moderate sericite and chlorite; rare quartz veins; occasional pyrite seams up to several mm; locally foliated @ 45-50° to core axis; light grey-green and fine grained overall. Contacts diffuse/ gradational. 129.1 - 150m (EOH): Massive, reddish-grey quartz-feldspar porphyry; generally unaltered with trace -1% disseminated pyrite; irregular quartz-carb veins at variable core angles.	70172	121.10	122.10	1.00	28			
			70173	126.10	127.60	1.50	207			
			70174	127.60	129.10	1.50	197			
			70175	129.10	130.10	1.00	259			
			Duplicate Samples							
			Duplicates	Assay		Original	Assay			
			70176	1369		70141	3213			
			70177	359		70160	238			
			70178	1924		70169	2835			
			Box Numbers and Intervals							
			Box #	From	To	Box #	From	To		
			1	5.15	7.80	18	78	82.45		
			2		12.29	19		86.90		
			3		16.73	20		91.25		
			4		21.13	21		95.70		
			5		25.59	22		100.01		
			6		29.90	23		104.36		
7		34.25	24		108.70					
8		38.61	25		113.90					
9		42.88	26		117.48					
10		47.29	27		121.90					
11		51.64	28		126.25					
12		56.07	29		130.76					
13		60.33	30		135.08					
14		64.80	31		139.50					
15		69.19	32		144.00					
16		73.59	33		148.52					
17		78.00	34		150.00					

DIAMOND DRILL LOG

Hole TAK-02-04

CLARK EXPLORATION CONSULTING

Drilling Company: Northwest Geophysics	Collar Elevation: ~400 metres	Bearing: 336° Grid North	Total Meterage: 150 m	Dip of Hole at Collar: -50	Drill Hole Location: 58 + 50W / 1 +00 N	Location: 568143, 5534871
Hole Started: July 20, 2002	Hole Finished: July 22, 2002	Logged By: D. Cullen		75m	-52°	Core Stored At:
Exploration Co., Owner or Optionee: Southern Rio	Date Logged: July 24, 2002	Submitted By: (Signature)		150m	-49°	Hole #: TAK-02-04
Date Submitted:				Property Name: Minnitaki		Page 1 of 4

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES			ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb
0	2	Overburden						
2	150	5c	<p>Quartz- feldspar porphyry. Grey to reddish grey; fine- to medium- grained with up to 60% white to grey feldspar and quartz phenocrysts- feldspar often euhedral to subhedral- boundaries become diffuse to obliterated with increasing degree of alteration. Alteration consists predominantly of silicification with lesser sericitization, carbonatization and chloritization. Locally weakly foliated @ various core angles- foliation defined by sericite and/or chlorite. Generally massive. Trace to 1% disseminated pyrite throughout - locally higher percentage and coarser grained with increasing alteration. Local chalcopyrite mineralization. A number of Fe-oxide zones/ fractures near top of hole. Weakly magnetic overall- locally moderately magnetic due to seams and coarse magnetic grains. Becomes almost non- magnetic (rare magnetic section below ~110m)</p>					
	150	E.O.H.	<p>2.00 - 4.70m: Generally massive, unaltered QFP w/trace to 1% disseminated, fine- grained pyrite.</p> <p>4.70 - 6.71m: Weak- moderate silicification- feldspar grain boundaries somewhat diffuse; 1% disseminated and stringer pyrite.</p> <p>6.71 - 7.72m: Moderate silicification with an irregular pyrite- quartz- carb seam sub-parallel to core axis and Fe-oxide fractures.</p> <p>7.72 - 11.48m: 5 or 6 sections up to 0.5m with strong Fe oxide along fractures and some Fe carb through host rock ~9.30 to 10.0m.</p>					

Box #	From	To	Box #	From	to
1	2	6.44	18	76.41	81.00
2		10.55	19		
3		14.91	20		
4		19.34	21		
5		23.87	22		
6		28.12	23		
7		32.54	24		
8		36.87	25		111.94
9		41.34	26		116.36
10		45.74	27		120.77
11		50.15	28		125.19
12		54.54	29		129.58
13		58.88	30		134.00
14		63.20	31		138.21
15		67.74	32		142.89
16		72.07	33		147.25
17		76.41	34		150.00

70179	2	3.5	1.50	8	
70180	3.5	4.7	1.20	<5	
70181	4.7	5.8	1.10	<5	
70182	5.8	6.7	0.90	10	
70183	6.7	7.8	1.10	881	

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES				ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
			11.48 - 14.9m: Weak silicification with occasional thin (0.5cm) quartz ± chlorite ± pyrite veinlets and occasional Fe- oxide fracture.	70184	7.80	9.20	1.40	65	
				70185	9.20	10.40	1.20	117	99
				70186	10.40	11.50	1.10	<5	
			26.91 - 27.08m: Moderate to strong Fe-carb and Fe-oxide fractures.						
				70187	11.50	13.00	1.50	<5	
			27.17 - 27.21m: Narrow zone of Fe-carb/Fe-oxide as above.	70188	13.00	14.00	1.00	80	
				70189	14.00	15.00	1.00	46	
			27.65 - 28.75m: Weak to moderate silicification and fspar alteration (pinkish). Irregular pyrite vein up to 1cm @ low core angle. Pale buff colour.	70190	blank	blank		8	
				70191	26.80	27.65	0.85	119	
			37.39 - 38.88m: Weak- moderate silicification with 2-3% disseminated pyrite and one irregular quartz carb fspar vein 1-3cm sub-parallel to core axis.	70192	27.65	28.75	1.10	82	
				70193	28.75	29.75	1.00	<5	
			46.48 - 46.96m: 2 irregular quartz carb veins with a dark grey, fine- grained mineral along margins (tourmaline?) and 1% fine- grained pyrite and chalcopyrite. Veins are @ 20-40° to core axis.	70194	37.20	38.10	0.90	569	612
				70195	38.10	39.00	0.90	120	
			50.25 - 50.47m: 1cm quartz carb vein @ low angle (sub- parallel) to core axis - irregular; trace- 1% pyrite.	70196	45.40	46.40	1.00	5	
				70197	46.40	47.00	0.60	5	
				70198	47.00	48.00	1.00	<5	
			50.03 - 56.78m: Moderate to strong silicification with abundant irregular quartz-carb-chlorite veining; locally appears brecciated; occasional Fe-oxide fractures; weakly magnetic; weakly- moderately sericitic; 5 mm mafic grains (remnants) through strongly silicified sections; trace fine- grained pyrite overall; buff- coloured alteration around veins (potassic?)	70199	50.10	50.60	0.50	<5	
			58.80 - 60.61m: As above with more Fe-oxide along fractures.	70200	54.00	55.00	1.00	18	
				70201	55.00	55.90	0.90	176	
				70202	55.90	56.80	0.90	59	
				70203	56.80	57.80	1.00	<5	<5
			69.35 - 94.10m: Fspar boundaries diffuse over 90% of interval.	70204	57.80	58.00	0.20	8	
			81.36 - 81.57m: 0.5 - 1.5cm quartz carb vein @ 10° to core axis; vuggy with Fe-oxide along fractures; 1% fine- grained pyrite.	70205	58.00	59.80	1.80	82	
			84.25 - 84.37m: 1-2cm quartz carb pyrite vein with 3-5%.						

DIAMOND DRILL LOG

CLARK

EXPLORATION CONSULTING

Sheet 3 OF 4

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES				ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
			97.36 - 98.42m: Weak sericite/ chlorite alteration; greenish- grey.	70206	81.10	81.70	0.60	<5	
			102.68 - 111.04m: Zone of increased alteration - weak to moderate silicification/sericitization with pyrite content increasing downhole (2-3%) & locally up to 1cm in size.	70207	84.10	84.50	0.40	60	
			105.20 - 105.44m: 0.5cm quartz-carb vein @ 15° to core axis with hematite breccia.	70208	blank			<5	
			108.6 - 111.04m: Becoming pink- buff (due to potassic alteration?) with pyrite up to 3-5% disseminated and stringer - stringers over 20-30cm lengths. Lower contact gradational.	70209	102.68	104.10	1.42	66	
				70210	104.10	105.10	1.00	492	
				70211	105.10	105.60	0.50	245	
				70212	105.60	107.10	1.50	111	70
			111.04 - 113.1: Zone of moderate to strong silicification and chlorite alteration; weak foliation @ 40° to core axis; green- grey in colour with diffuse feldspar boundaries; 2-3% disseminated pyrite (occasionally up to 4mm) and stringer pyrite.	70213	107.10	108.60	1.50	24	
				70214	108.60	110.00	1.40	2881	
				70215	110.00	111.04	1.04	251	
				70216	111.04	112.10	1.06	234	
			113.1 - 125.59: Weakly altered section (mainly sericite). Grain boundaries weakly diffuse, local thin (2-4mm) quartz- carb- sericite seams; contacts gradational, 1% disseminated pyrite.	70217	112.10	113.20	1.10	936	
				70218	113.20	114.20	1.00	13	
			119.1 - 120.30m: Moderate sil'n; fspar boundaries diffuse; pyrite, c pyrite, quartz seam @ 120.0m;	70219	114.20	115.70	1.50	<5	
				70220	115.70	117.20	1.50	11	
			125.59 - 127.49: Altered section; green- grey; diffuse fspar boundaries; 10% grey sub- rounded quartz- eyes generally 1-2mm- up to 6-7mm; 1-2% fine- grained disseminated pyrite.	70221	117.20	118.10	0.90	<5	<5
				70222	118.10	119.10	1.00	<5	
				70223	119.10	120.30	1.20	135	
			127.49 - 134.53: Weakly altered section; weakly diffuse fspar boundaries; 1% fine- gained disseminated pyrite; occasional section of weak chloritic alteration.	70224	120.30	121.80	1.50	19	
				70225	121.80	123.30	1.50	<5	
				70226	123.30	124.60	1.30	<5	
			128.40 - 128.75: ~1 cm irregular quartz-carb-hem-chl-pyrite vein @ 10-15° to core axis; 2-3% stringer and disseminated pyrite through interval.	70227	124.60	125.50	0.90	<5	
				70228	blank			12	
				70229	125.50	126.50	1.00	22	
			134.53 - 139.05: Moderate silicification with moderate sericitization and local chlorite alteration over 1m. 1-2% disseminated pyrite up to 3-4mm; locally weakly magnetic.	70230	126.50	127.50	1.00	472	321
				70231	127.50	129.00	1.50	56	

DIAMOND DRILL LOG
Hole TAK-02-05

CLARK **EXPLORATION CONSULTING**

Drilling Company: Northwest Geophysics		Collar Elevation: 415m	Bearing: 156° (Grid South)	Total Meterage: 150m	Dip of Hole at Collar: -50°	Drill Hole Location: 58 + 00 W/ 1 + 89 N	Location: UTMS 568155, 5534960		
Hole Started: July 23, 2002		Hole Finished: July 25, 2002		Logged By:		Core Stored At:			
Exploration Co., Owner or Optionee: Southern Rio		Date Logged: July 28, 2002	Submitted By: (Signature)		75m -48°	Hole #: TAK-02-05			
		Date Submitted:			150m -44°	Page 1 of 3			
						Property Name: Minnitaki			
METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES			ASSAYS		
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
0	2.5	Overburden							
2.5	59.66	5a	<p>Quartz Porphyry Greenish yellow for approximately the first 9 metres due to sericite alteration (+ saussurite?); becoming red-pink after 9 metres; 10-20% subrounded to subangular quartz eyes; fine- grained matrix appears to be predominantly feldspar with quartz; At 18.59 metres unit becomes grey to dark grey; pink colour at top may be due to dark hematite alteration near surface. Common rusty fractures down to 12 metres. Common quartz carbonate veinlets (5-10 per metre) usually less than 1cm @ variable core angles (50° to core axis seems most common). Trace to 1% fine- grained disseminated pyrite overall; local chalcopyrite. Massive to weakly foliated @ ~ 50° to core axis. Occasional flattened rock inclusion up to 5cm; generally chlorite schist.</p> <p>2.50 - 12.81: Common rusty fractures with several rusty quartz-carbonate seams; moderately broken core; sections with wispy Fe-oxide staining in matrix.</p> <p>12.81 - 14.97: Zone of strong quartz-carbonate veining- irregular; appears brecciated in places.</p> <p>21.0 - 24.5: Dark grey porphyry with 1-2% fine- grained disseminated pyrite and several quartz-carbonate-chlorite veins up to 2cm.</p> <p>38.26 - 43.3: Zone of moderate sericite, chlorite, Fe-oxide fractures and 2-3% fine grained disseminated pyrite.</p> <p>50.39 - 59.66: Light greenish-grey with pinkish hue (possibly moderate sericite/saussurite alteration) 1-2% disseminated and stringer pyrite; rare quartz veining. 59.66: Lower contact is sharp and irregular.</p>						
				70247	2.50	4.00	1.50	6	
				70248	4.00	5.50	1.50	<5	
				70249	5.50	7.00	1.50	<5	
				70250	7.00	8.50	1.50	<5	
				70251	8.50	10.00	1.50	<5	
				70252	10.00	11.50	1.50	<5	
				70253	11.50	12.75	1.25	18	
				70254	12.75	13.90	1.15	<5	
				70255	13.90	15.10	1.20	<5	
				70256	21.00	22.50	1.50	<5	<5
				70257	22.50	23.50	1.00	8	
				70258	23.50	24.50	1.00	<5	
				70259	38.26	39.30	1.04	<5	
				70260	39.30	40.80	1.50	<5	
				70261	40.80	42.30	1.50	<5	
				70262	42.30	43.40	1.10	<5	
				70263	blank	blank	blank	<5	
				70264	50.30	51.80	1.50	<5	
				70265	51.80	53.30	1.50	<5	
				70266	53.30	54.80	1.50	<5	
				70267	54.80	56.30	1.50	<5	<5
				70268	56.30	57.80	1.50	<5	
				70269	57.80	58.80	1.00	<5	
				70270	58.80	59.80	1.00	15	

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES			ASSAYS		
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
130.7	135.24	6c	129.98 - 130.70: Increase in blue-grey subrounded quartz-eyes up to 7mm - 5-7% of unit; 5-7% medium grained pyrite (1-2mm) - disseminated and stringers; black matrix.	70283	129.98	130.70	0.72	13	
			130.70: Lower contact sharp and regular with moderate quartz carbonate along contact (55° to core axis).	70284	130.70	131.70	1.00	<5	
135.24	150	5c	Diabase Dyke Dark green; massive; fine-grained (~1mm); rare carbonate (+ quartz) veinlet ~0.5cm subparallel to core axis trace disseminated pyrite up to 4mm contacts sharp- upper contact regular @ 55° to core axis; lower contact sharp and irregular @ 70-80° to core axis.	70285	131.70	133.20	1.50	<5	<5
				70286	133.20	134.20	1.00	<5	
				70287	134.20	135.24	1.04	<5	
				70288	135.24	136.50	1.26	<5	
				70289	136.50	138.00	1.50	<5	
				70290	138.00	139.50	1.50	<5	
				70291	139.50	141.00	1.50	<5	
				70292	141.00	142.50	1.50	<5	
				70293	142.50	144.00	1.50	<5	
				70294	144.00	145.50	1.50	<5	<5
150	150	5c	135.24 - 138.0: 3-5% stringer and disseminated pyrite.	70295	145.50	147.00	1.50	<5	
			144.78 - 145.0: Inclusion or injection of black-matrix quartz QFP with 5-7% disseminated and stringer pyrite up to 2mm.	70296	147.00	148.50	1.50	<5	
			E.O.H	70297	148.50	150.00	1.50	<5	
			Duplicate Samples		Duplicate	Assay	Original	Assay	
			70298	<5	70262	<5			
			70299	<5	70279	<5			
			70300	8	70293	<5			

DIAMOND DRILL LOG

Hole TAK-02-06

CLARK EXPLORATION CONSULTING

Drilling Company: Northwest Geophysics		Collar Elevation: ~400 metres	Bearing: 156°	Total Meterage: 244 metres	Dip of Hole at Collar: -50°	Drill Hole Location: 61 + 85W / 1 + 50N	Location: UTMS 667816, 5534781		
Hole Started: July 26, 2002		Hole Finished: July 29, 2002	Logged By: D.Cullen		126m -46°	Core Stored At:	Hole #: TAK-02-06		
Exploration Co., Owner or Optionee: Southern Rio Resources		Date Logged: July 30, 2002	Submitted By: (Signature)		244m -36°	Page 1 of 5			
Date Submitted:						Property Name: Minnitaki			
METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES			ASSAYS		
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
0	3.1	Overburden	Quartz feldspar porphyry.						
3.1		Quartz Feldspar Porphyry	<p>Reddish grey in general with various sections buff- coloured, greenish- grey and red due to alteration; fine to medium grained, with up to 60% euhedral to anhedral feldspar phenocrysts up to 4mm; sub-rounded quartz phenocrysts up to 5mm @ 5-10%; massive to locally weakly to moderately foliated; common quartz-carbonate-feldspar fractures and veinlets throughout at variable core angles - 50°-70° range most common; trace 1% disseminated fine- grained pyrite in unaltered sections- pyrite content increases with alteration; occasional coarse pyrite, rare arsenopyrite.</p> <p>Approximately top 36 metres are variably silicified and sericitized with up to 5-7% stringer and disseminated pyrite over several metres; local intense silicification/ quartz veining. Feldspar are usually diffuse with increasing alteration. Weakly magnetic overall- often non-magnetic in silicified sections.</p> <p>3.10 - 21.00: Moderate quartz carbonate fractures and veinlets; moderate silicification; local moderate sericitization; occasional (~ 1 per metre) rusty fractures (all fractures/ veinlets are at variable core angles, with 50°-70° range most common); 1% disseminated pyrite overall- occasional stringer; feldspar boundaries range from sharp to diffuse.</p> <p>19.70- 19.90: Buff coloured, silicified, sericitized with 3-5% stringer pyrite.</p> <p>21.00 - 24.44: Alteration becoming stronger; few feldspar boundaries visible; pyrite increasing to 2-3% stringer and disseminated.</p> <p>24.44 - 25.19: Massive quartz vein; 80% quartz with strong brecciation along contacts; pyrite only in breccia/ wallrock fragments- which appear to be previously silicified.</p> <p>25.70 - 27.73: As from 21.00 - 24.44</p> <p>27.73 - 28.13: Strong silicification, carbonatization and sericitization with 3-5% disseminated fine-</p>						
				70301	3.10	4.50	1.40	69	
				70302	4.50	6.00	1.50	90	
				70303	6.00	7.50	1.50	172	184
				70304	7.50	9.00	1.50	113	
				70305	9.00	10.50	1.50	31	
				70306	10.50	12.00	1.50	72	
				70307	12.00	13.50	1.50	15	
				70308	13.50	15.00	1.50	100	
				70309	15.00	16.50	1.50	217	
				70310	16.50	18.00	1.50	77	
				70311	18.00	19.50	1.50	27	
				70312	19.50	21.00	1.50	32	
				70313	21.00	22.40	1.40	55	
				70314	22.40	23.40	1.00	114	
				70315	23.40	24.44	1.04	1049	1447

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES				ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
		**	medium grained pyrite, **V.G. grains @ 27.95	70316	blank	blank		5	
			28.13 - 29.23: Moderate silicification, 3-5% disseminated and stringer pyrite.	70317	24.44	25.70	1.26	382	
			29.23 - 31.40: Zone of strong alteration as from 27.73 - 28.13; often buff coloured; up to 7-10% pyrite stringers.	70318	25.70	26.70	1.00	256	
		**	**V.G. grains @ 31.20	70319	26.70	27.73	1.03	93	
			31.40 - 34.15: Moderate to strong silicification; 7-10% stringer pyrite from 33.75-34.15	70320	27.73	28.13	0.40	1658	
			34.15 - 35.30: Zone of strong alteration and pyrite mineralization as from 29.23 - 31.40	70321	28.13	29.23	1.10	607	
		**	**V.G. grains @ ~ 34.5m						
			35.30 - 50.50: Unit is weakly altered; feldspar boundaries generally sharp to moderately diffuse; 1% disseminated pyrite.	70322	29.23	30.40	1.17	1170	
			47.10 - 47.30: 3-5% stringer pyrite in buff alteration.	70323	30.40	31.40	1.00	6589	
			50.50 - 52.67: Moderate to strong silicification (+ potassic alteration ?); pink colour around quartz carbonate veinlets; veinlets/ fractures @ variable core angles and generally less than 4 or 5mm; 2-3% stringer and disseminated pyrite throughout.	70324	31.40	32.40	1.00	1155	1280
				70325	32.40	33.15	0.75	13053	
				70326	33.15	34.15	1.00	848	
				70327	34.15	35.30	1.15	4182	
				70328	35.30	36.80	1.50	191	
				70329	36.80	38.30	1.50	13	
				70330	38.30	39.80	1.50	23	
				70331	39.80	41.30	1.50	15	
				70332	41.30	42.80	1.50	11	
				70333	blank	blank		<5	
				70334	42.80	44.30	1.50	21	
				70335	44.30	45.80	1.50	19	
				70336	45.80	47.30	1.50	59	
				70337	47.30	48.80	1.50	100	
				70338	48.80	49.70	0.90	111	
				70339	49.70	50.50	0.80	191	218
				70340	50.50	51.50	1.00	1198	
				70341	51.50	52.67	1.17	1288	

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES				ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
			52.67 - 59.92: Generally less altered, less quartz carbonate veining; 1% disseminated pyrite overall- locally 2-3% over narrow widths.	70342	52.67	54.00	1.33	295	
				70343	54.00	55.50	1.50	166	
				70344	55.50	57.00	1.50	811	
			59.92 - 68.01: Zone of moderate quartz-carbonate veining and silicification and potassic alteration; veining regular to irregular @ variable core angles; often buff coloured to pink; feldspar boundaries vary from sharp to diffuse; 2-3% disseminated and stringer pyrite.	70345	57.00	58.50	1.50	295	
				70346	58.50	59.92	1.42	43	
				70347	59.92	61.50	1.58	1159	
				70348	61.50	63.00	1.50	3408	
			68.01 - 80.20: Generally unaltered to weakly altered with trace to 1% disseminated pyrite (not sampled).	70349	63.00	64.50	1.50	309	
				70350	64.50	66.00	1.50	746	702
				70351	66.00	67.00	1.00	587	
				70352	67.00	68.01	1.01	313	
				70353	blank	blank		<5	
			80.20 - 84.60: Moderate to strong fracturing and brecciation; quartz feldspar (± carbonate) veinlets and fracture- filling @ variable core angles; locally strong potassic (?) and chlorite alteration; 1-2% disseminated pyrite up to 5mm; weakly magnetic.	70354	80.20	81.30	1.10	151	
				70355	81.30	82.40	1.10	7037	
				70356	82.40	83.40	1.00	110	
			83.43 - 83.54: Irregular chlorite- magnetite pyrite seam with ~50% pyrite, ~ 1cm wide @ low core angle.	70357	83.40	84.60	1.20	79	
			84.60 - 99.10: Zone of moderate alteration; feldspar boundaries diffuse in general with moderate wispy sericite; weak to moderate quartz-feldspar-sericite seams @ variable core angles; generally pink- grey in colour- locally dark grey; 1% disseminated pyrite.	70358	84.60	86.10	1.50	5	
				70359	86.10	87.50	1.40	25	27
			89.36 - 89.37: 1cm pyrite-chlorite magnetite vein.	70360	87.50	89.00	1.50	6	
				70361	89.00	90.50	1.50	17	
			92.30 - 92.60: zone of moderate silicification and potassic alteration with 2-3% pyrite.	70362	90.50	92.00	1.50	71	
				70363	92.00	93.50	1.50	267	
			99.10 - 101.17: Pale pink-buff coloured zone of silicification and potassic (?) alteration; feldspar boundaries rarely visible, moderate sericite; weakly magnetic. 1-2% disseminated pyrite.	70364	93.50	95.00	1.50	79	
				70365	95.00	96.50	1.50	35	
				70366	96.50	98.00	1.50	18	
			101.17 - 110.21: Weak to locally moderate alteration; generally wispy sericite; diffuse to obliterated feldspar boundaries; trace to 1% disseminated pyrite.	70367	98.00	99.10	1.10	81	

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES				ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
			110.21 - 117.30: Moderate sericitization; virtually no feldspar boundaries visible; fairly soft; light green- grey colour; fine-grained disseminated and stringer pyrite; upper and longer contacts gradational.	70368	99.10	100.10	1.00	6	<5
				70382	100.10	101.17	1.07	43	
			117.3 - 244.00 (E.O.H.): Generally un-altered to weakly altered quartz-feldspar porphyry; medium to dark grey- mainly due to a more mafic matrix or less altered matrix?; weak sericite, quartz and carbonate alteration; 2-3 quartz carbonate veinlets per metre @ 50-60° to core axis; massive with local weak foliation @ 50° to core axis; trace - 1% disseminated pyrite with occasional 1-2mm stringers.	70369	101.17	102.60	1.43	412	
				70370	blank	blank		<5	
				70371	102.60	104.00	1.40	47	
				70372	104.00	105.50	1.50	10	
				70373	105.50	107.00	1.50	8	
			123.00 - 123.13: Quartz-carbonate-pyrite vein (5cm) @ 40° to core axis; chlorite partings; vein is ~20% pyrite up to 2mm.	70374	107.00	108.50	1.50	29	
				70375	108.50	110.21	1.71	<5	
				70376	110.21	111.50	1.29	<5	
			142.24 - 142.79: Mafic dyke- medium to dark green; fine- grained with flattened dark green clots (chlorite?); strongly foliated at 70° to core axis; contacts sharp @ 70° to core axis.	70377	111.50	113.00	1.50	17	18
				70378	113.00	114.50	1.50	28	
				70379	114.50	116.00	1.50	27	
			193.48 - 195.76: Mafic dyke as from 142.24 - 142.79; irregular contact @ ~ 80-90° to core axis; lower contact marked by 7cm band of quartz- chlorite and ankerite (?) Light to medium reddish brown mineral, seems hard but may be in quartz; no sulphides; non-magnetic.	70380	116.00	117.30	1.30	631	
				70381	117.30	118.30	1.00	20	
				70383	118.30	119.80	1.50	<5	
				70384	119.80	121.30	1.50	<5	
			211.35 - 211.55: Section with 7-10% pyrite in bands @ 60° to core axis.	70385	121.30	122.90	1.60	7	
			213.42 - 216.60: Mafic dyke as from 142.24; contacts sharp and irregular.	70386	122.90	123.20	0.30	899	858
				70387	123.20	124.20	1.00	9	
			217.46 - 219.30: Mafic dyke as above.						
				70388	193.49	194.60	1.11	<5	
			220.68 - 221.78: Mafic dyke as above.	70389	194.60	194.80	0.20	108	
				70390	194.80	195.80	1.00	<5	
			226.35 - 228.18: Mafic dyke as above with contacts regular @ 65-70° to core axis.						
				70391	211.30	211.60	0.30	469	
244		E.O.H	End of Hole						

DIAMOND DRILL LOG
Hole TAK-02-07



Drilling Company: Northwest Geophysics		Collar Elevation:	Bearing: 156°/Grid South	Total Meterage: 98.30 m	Dip of Hole at Collar: -70°	Drill Hole Location: Grid 61+ 85W/1+50N	Location: UTMS 567816, 5534780	
Hole Started: August 20, 2002		Hole Finished: August 22, 2002		Logged By: D.Cullen		Core Stored At:	Hole #: TAK-02-07	
Exploration Co., Owner or Optionee: Southern Rio Resources		Date Logged: August 26, 2002	Submitted By: (Signature)		69 m	-67°	Page 1 of 4	
		Date Submitted:			Property Name: Minnitaki			
METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	BOXES			ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb
0.00	2.20	Overburden						
2.20	98.30	5c	Quartz Feldspar Porphyry Reddish-grey in general with various sections buff-coloured, greenish-grey and red due to alteration; alteration consists of variable degrees of silicification, sericitization, hematization and/or potassic alteration; fine- to medium-grained with up to 60% euhedral to anhedral feldspar phenocrysts up to 4 mm; approximately 5-10% subrounded quartz phenocrysts up to 5 mm; massive to locally weakly foliated; common quartz carbonate fractures and veinlets throughout at variable core angles; commonly 45° to 60°. Trace to 1% disseminated, fine- to medium-grained pyrite overall; locally up to 5-7% stringer and disseminated pyrite; minor chalcopyrite; increased sulphides usually associated with stronger silicification. Feldspars usually diffuse to obliterated with increasing alteration. Weakly magnetic to non-magnetic with increasing silicification.	1	2.20	6.53		
				2		10.87		
				3		15.29		
				4		19.60		
				5		24.00		
				6		28.47		
				7		32.84		
				8		37.18		
				9		41.63		
				10		46.02		
				11		50.44		
				12		54.75		
				13		59.22		
				14		63.66		
				15		68.13		
				16		72.48		
				17		76.82		
				18		81.21		
				19		85.62		
				20		90.06		
				21		94.45		
				22		98.30		

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES				ASSAYS		
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check	
		**V.G.	2.20 - 19.66 m: Moderate silicification; common quartz-carbonate fractures and veinlets (15-20 per metre); 1% fine-grained disseminated pyrite.	70396	2.20	3.20	1.00	937		
			19.66 - 20.38 m: Strong silicification/quartz flooding 1-2% disseminated and stringer pyrite.	70397	3.20	4.50	1.30	99		
			20.38 - 27.80 m: As from 2.20 - 19.66 m.	70398	4.50	6.00	1.50	110		
			27.80 - 28.10 m: Strong silicification; buff-coloured 3-5% stringer and disseminated pyrite; feldspars diffuse to locally sharp; numerous 3-5 mm quartz vein at variable core angles (30° to 70° to core axis).	70399	6.00	7.50	1.50	33		
			28.10 - 29.45 m: Moderate silicification with 2-3% disseminated and stringer pyrite.	70400	7.50	9.00	1.50	77		
			29.45 - 30.25 m: Strong silicification; Buff-coloured zone as from 27.80-28.10 m. Visible gold at 30.08 m in quartz-carbonate vein (5 mm vein) adjacent to 2 mm pyrite grain.	70401	9.00	10.50	1.50	56		
			30.70 - 31.20 m: As from 27.80 - 28.10 m.	70402	10.50	12.00	1.50	105		
			31.35 - 31.85 m: As above with reddish hue due to hematite.	70403	12.00	13.50	1.50	20		
			33.30 - 33.75 m: As from 27.80 - 28.10 m.	70404	13.50	15.00	1.50	33		
			35.07 - 38.50 m: Zone with ~50-60% buff-coloured as from 27.80 - 28.10 m; locally up to 10% pyrite. Visible gold at 36.68 m in quartz-carbonate vein - both free gold and adjacent to pyrite grain.	70405	15.00	16.50	1.50	147	134	
			38.50 - 98.30 m: Overall decrease in alteration; basically just quartz-carbonate fractures and veins (±potassic or hematite alteration); trace to 1% disseminated pyrite with occasional seam/veinlet up to 5 mm; unit is generally reddish-grey to dark grey; feldspar boundaries sharp to diffuse - locally absent.	70406	16.50	18.00	1.50	446		
				**V.G.	70407	18.00	19.60	1.60	471	
					70408	19.60	20.50	0.90	412	
				70409	20.50	22.00	1.50	2115		
				70410	22.00	23.50	1.50	241		
				70411	23.50	25.00	1.50	150		
				70412	25.00	26.50	1.50	296		
				70413	26.50	27.70	1.20	633		
				70414	27.70	28.20	0.50	8618	9189	
				70415	28.20	29.45	1.25	934		
				70416	29.45	30.25	0.80	9670		
				70417	30.25	31.20	0.95	559		
				70418	31.20	32.20	1.00	498		
				70419	32.20	33.20	1.00	255		
				70420	33.20	33.80	0.60	3729		
				70421	33.80	35.00	1.20	250		
				70422	35.00	36.40	1.40	7568		
				70423	36.40	36.90	0.50	974	945	

DIAMOND DRILL LOG

CLARK

EXPLORATION CONSULTING

Sheet 3 OF 4

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES				ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
			39.75 - 40.61 m: Moderate potassic alteration with silicification and 1-2% pyrite.	70424	36.90	37.70	0.80	895	
			41.05 - 41.31 m: As above with moderate brecciation.	70425	37.70	38.50	0.80	1321	
				70426	Blank			21	
			46.49 - 50.52 m: Possible intermediate dyke? Grey; fine- to medium-grained; massive, no rare feldspar boundaries visible; trace pyrite - includes strong silicification with potassic alteration and 1-2% pyrite from 46.93 to 47.16 m.	70427	38.50	39.75	1.25	3061	
				70428	39.75	40.75	1.00	381	
				70429	40.75	41.75	1.00	38	
				70430	45.70	46.70	1.00	82	
			50.68 - 50.82 m: Quartz-carbonate vein with potassic or hematitic alteration; trace pyrite irregular contacts.	70431	46.70	47.30	0.60	67	
				70432	47.30	48.30	1.00	23	25
				70433	50.60	50.90	0.30	118	
				70434	50.90	51.90	1.00	304	
			51.94 - 53.03 m: Moderate silicification with common (15 per metre) quartz-carbonate fractures and veinlets at 50°-80° to core axis.	70435	51.90	53.10	1.20	1343	
				70436	56.00	57.00	1.00	142	
				70437	57.00	58.00	1.00	53	
			56.20 - 57.87 m: Section with obliterated feldspar boundaries; patches/seams of pyrite up to 2 cm (irregular); buff-coloured zone from 57.55-57.72 m.	70438	58.00	59.50	1.50	230	
				70439	59.50	61.00	1.50	983	
				70440	61.00	62.10	1.10	49	
			62.12 - 63.54 m: Weak to moderate silicification; buff-grey in colour; quartz-carbonate veinlets rare; 1% pyrite.	70441	62.10	63.60	1.50	54	
				70442	63.60	64.60	1.00	57	
				70443	64.60	65.10	0.50	398	
			64.79 - 64.94 m: Moderate to strong silicification with quartz-carbonate veining; 2-3% fine-grained disseminated pyrite.	70444	65.10	66.30	1.20	318	
				70445	66.30	67.80	1.50	157	
				70446	67.80	69.34	1.54	107	
			66.38 - 69.34 m: As from 62.12 - 63.54 m above with 1-2% disseminated pyrite.	70447	69.34	70.60	1.26	530	
				70448	Blank			15	19
			69.90 - 70.60 m: Moderate silicification with potassic alteration.	70449	95.95	96.20	0.25	45	
				70450	96.20	97.50	1.30	39	
			70.60 - 95.95 m: Unaltered; dark grey; massive; occasional quartz-carbonate fractures and veinlets; trace - 1% pyrite.	70451	97.50	98.30	0.80	100	

DIAMOND DRILL LOG

Hole TAK-02-08

CLARK EXPLORATION CONSULTING

Drilling Company: Northwest Geophysics		Collar Elevation:	Bearing: 156°/Grid South	Total Meterage: 96 m	Dip of Hole at Collar: -50°	Drill Hole Location: Grid 61+ 8SW/1+50N	Location: UTMS 567888, 5534809	
Hole Started: August 23, 2002		Hole Finished: August 23, 2002		Logged By: D.Cullen		Core Stored At:	Hole #: TAK-02-08	
Exploration Co., Owner or Optionee: Southern Rio Resources		Date Logged: Sept. 3, 2002	Submitted By: (Signature)		72 m	-45°	Page 1 of 3	
		Date Submitted:			Property Name: Minnitaki			
METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	BOXES			ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb
0.00	2.75	Overburden						
2.75	13.78	5c	Quartz Feldspar Porphyry Reddish-grey; massive; fine- to medium-grained (up to 3 mm feldspar phenocrysts); approximately 30-40% subhedral feldspar phenocrysts - locally no feldspar visible; common quartz-carbonate and sericite fractures; rare quartz-carbonate veins; fractures and veins at variable core angles; trace to 1% disseminated pyrite; lower contact sharp and irregular; weakly magnetic.	1	2.75	7.07		
				2		11.53		
				3		15.97		
				4		20.44		
				5		24.85		
				6		29.28		
				7		33.66		
				8		38.09		
				9		42.48		
				10		46.88		
				11		51.25		
				12		55.65		
				13		60.00		
				14		64.50		
				15		68.93		
				16		73.36		
				17		77.62		
				18		82.01		
				19		86.45		
				20		91.87		
				21		95.36		
				22		96.00		
13.78	28.54	5a	Quartz Porphyry Unit is light green down to approximately 17.5 m (due to sericite/saussurite alteration?); becomes pink-red to approximately 23.5 m due to hematite or potassic alteration (?), and from 23.50 to 28.54 becomes dark grey to reddish-grey. Fine- to coarse-grained with 10-20% subrounded. Massive to weakly foliated at 65°-70° to core axis. Occasional (1-2 per metre) quartz-carbonate veinlets up to 5 mm at 60°-80° to core axis. Trace to 1% disseminated pyrite with occasional irregular seam. Lower contact sharp and regular at 55° to core axis.					
28.54	96	5c	Quartz Feldspar Porphyry Reddish-grey generally with sections grey-green (due to sericite alteration?) and pinkish (hematite) fine- to medium-grained with up to 50-60% subhedral feldspar phenocrysts; massive; common quartz-carbonate±sericite veinlets and fractures at variable core angles - generally from 40° to 70° to core axis; trace to 1% fine-grained disseminated pyrite overall; occasional irregular pyrite seams at variable core angles, weakly magnetic. 30.40 - 30.62 m: 0.5 to 1 cm quartz vein at 20° to core axis with 2-3% coarse pyrite (up to 5 mm), weak hematite or potassic alteration. 31.84 - 31.94 m: Buff-coloured section with moderate to strong potassic (?) alteration and 3-5% pyrite in patches of stronger alteration; feldspar boundaries sharp to diffuse.					

DIAMOND DRILL LOG

METERAGE		ROCK TYPE	DESCRIPTION (colour, grain size, texture, minerals, alteration, etc.)	SAMPLES				ASSAYS	
FROM	TO			No.	FROM	TO	LENGTH	Au ppb	check
96.00			<p>32.50 - 38.80 m: Moderate silicification; feldspar boundaries not visible; weak foliation at 60° to core axis. Light grey-green; 1-2% fine-grained disseminated pyrite.</p> <p>38.80 - 59.32 m: Moderate patchy potassic/hematite alteration; common quartz-carbonate fractures and veinlets from 40° to 70° to core axis; up to 3-5% pyrite in patches of stronger alteration; feldspar boundaries sharp to diffuse.</p> <p>59.38 - 62.46 m: Silicified zone as from 32.50 - 38.80 m.</p> <p>Below 62.46 m - unit becomes generally unaltered; feldspar sharp to diffuse; medium grey with little or no hematite/potassic alteration.</p> <p>63.70 - 64.20 m: Moderate silicification with 3-5% pyrite. Two fine flecks of visible gold (?) at 64.06 m in a quartz-carbonate veinlet (1-2 mm) with pyrite.</p> <p>72.55 - 72.67 m: Strong silicification with irregular carbonate; 1-2% disseminated pyrite and trace chalcopyrite.</p> <p>80.24 - 81.55 m: Moderate silicification with irregular quartz-carbonate veins at variable core angles; feldspar boundaries generally not visible; 1-2% fine-grained disseminated pyrite.</p> <p>End of hole.</p>	70461	29.50	30.25	0.75	30	
				70462	30.25	30.75	0.50	1423	
				70463	30.75	31.75	1.00	1397	1664
				70464	31.75	32.00	0.25	263	
				70465	32.00	33.00	1.00	27	
				70466	33.00	34.50	1.50	11	
				70467	34.50	36.00	1.50	10	
				70468	36.00	37.50	1.50	23	
				70469	37.50	38.80	1.30	38	
				70470	38.80	40.50	1.70	60	
				70471	40.50	42.00	1.50	52	
				70472	42.00	43.50	1.50	202	212
				70473	43.50	45.00	1.50	321	
				70474	45.00	46.50	1.50	1429	
				70475	46.50	48.00	1.50	50	
				70476	48.00	49.50	1.50	46	
				70477	49.50	51.00	1.50	41	
				70478	51.00	52.50	1.50	271	
				70479	52.50	54.00	1.50	36	
				70480	54.00	55.50	1.50	62	
				70481	55.50	57.00	1.50	242	286
				70482	57.00	58.50	1.50	131	
				70483	Blank			<5	
				70484	58.50	59.38	0.88	99	
				70485	59.38	61.00	1.62	14	
				70486	61.00	62.46	1.46	69	
				70487	62.46	63.70	1.24	150	
				70488	63.70	64.20	0.50	139	
70489	64.20	65.20	1.00	214					
70490	71.40	72.40	1.00	11	10				

Appendix II
Assay Certificates

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www accurassay.com

Certificate of Analysis

Wednesday, July 31, 2002

Clark Consulting
1000 Alloy Dr.
Thunder Bay, ON, CA
P7A6G5
Ph#: (807) 622-3284
Fax#: (807) 622-3284
Email gjclark@tbaytel.net

Date Received : 22-Jul-02
Date Completed : 31-Jul-02
Job # 200240409
Reference : Minnitaki
Sample #: 49 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
13916	70001	277	0.008	0.277
13917	70002	233	0.007	0.233
13918	70003	30	<0.001	0.030
13919	70004	<5	<0.001	<0.005
13920	70005	42	0.001	0.042
13921	70006	13	<0.001	0.013
13922	70007	<5	<0.001	<0.005
13923	70008	1007	0.029	1.007
13924	70009	1202	0.035	1.202
13925	70057	82	0.002	0.082
13926 Check	70057	83	0.002	0.083
13927	70058	683	0.020	0.683
13928	70059	439	0.013	0.439
13929	70060	38	0.001	0.038
13930	70061	11	<0.001	0.011
13931	70062	2503	0.073	2.503
13932	70063	1018	0.030	1.018
13933	70064	288	0.008	0.288
13934	70065	142	0.004	0.142
13935	70066	20	<0.001	0.020
13936 Check	70066	23	<0.001	0.023
13937	70067	<5	<0.001	<0.005

PROCEDURE CODES: AL1A13

Certified By: 

AL903-0049-07/31/2002 10:32 PM

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www accurassay.com

Certificate of Analysis

Wednesday, July 31, 2002

Clark Consulting
1000 Alloy Dr.
Thunder Bay, ON, CA
P7A6G5
Ph#: (807) 622-3284
Fax#: (807) 622-3284
Email gjclark@tbaytel.net

Date Received : 22-Jul-02
Date Completed : 31-Jul-02
Job # 200240409
Reference : Minnitaki
Sample #: 49 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
13938	70068	33	<0.001	0.033
13939	70069	29	<0.001	0.029
13940	70070	26	<0.001	0.026
13941	70071	13	<0.001	0.013
13942	70072	74	0.002	0.074
13943	70073	<5	<0.001	<0.005
13944	70074	1040	0.030	1.040
13945	70075	6	<0.001	0.006
13946 Check	70075	<5	<0.001	<0.005
13947	70076	<5	<0.001	<0.005
13948	70077	380	0.011	0.380
13949	70078	339	0.010	0.339
13950	70079	37	0.001	0.037
13951	70080	<5	<0.001	<0.005
13952	70081	<5	<0.001	<0.005
13953	70082	<5	<0.001	<0.005
13954	70083	11	<0.001	0.011
13955	70084	11	<0.001	0.011
13956 Check	70084	12	<0.001	0.012
13957	70085	8	<0.001	0.008
13958	70086	892	0.026	0.892
13959	70087	233	0.007	0.233

PROCEDURE CODES: AL4Au3

Certified By: 

AL903-0049-07/31/2002 10:32 PM



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PHONE (807) 626-1630 FAX (807) 623 6820 EMAIL accuracy@tbaytel.net WEB www accurassay.com

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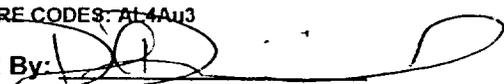
Wednesday, July 31, 2002

Clark Consulting
1000 Alloy Dr.
Thunder Bay, ON, CA
P7A6G5
Ph#: (807) 622-3284
Fax#: (807) 622-3284
Email gjclark@tbaytel.net

Date Received : 22-Jul-02
Date Completed : 31-Jul-02
Job # 200240409
Reference : Minnitaki
Sample #: 49 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
13960	70088	29	<0.001	0.029
13961	70089	34	<0.001	0.034
13962	70090	7602	0.222	7.602
13963	70091	628	0.018	0.628
13964	70092	205	0.006	0.205
13965	70093	429	0.013	0.429
13966 Check	70093	432	0.013	0.432
13967	70094	314	0.009	0.314
13968	70095	1183	0.035	1.183
13969	70096	87	0.003	0.087

PROCEDURE CODES: At 4Au3

Certified By: 

AL903-0049-07/31/2002 10:32 PM

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Tuesday, August 06, 2002

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Thunder Bay, ON, CA
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Ph#: (807) 622-3284
Fax#: (807) 622-3284
Email gjclark@tbaytel.net

Date Received : 26-Jul-02
Date Completed : 02-Aug-02
Job # 200240440
Reference : Minnitaki
Sample #: 65 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
15466	70010	64	0.002	0.064
15467	70011	380	0.011	0.380
15468	70012	814	0.024	0.814
15469	70013	3719	0.108	3.719
15470	70014	58	0.002	0.058
15471	70015	2908	0.085	2.908
15472	70016	1657	0.048	1.657
15473	70017	244	0.007	0.244
15474	70018	586	0.017	0.586
15475	70019	153	0.004	0.153
15476 Check	70019	148	0.004	0.148
15477	70020	4439	0.129	4.439
15478	70021	70	0.002	0.070
15479	70022	82	0.002	0.082
15480	70023	150	0.004	0.150
15481	70024	58	0.002	0.058
15482	70025	10	<0.001	0.010
15483	70026	20	<0.001	0.020
15484	70027	55	0.002	0.055
15485	70028	36	0.001	0.036
15486 Check	70028	43	0.001	0.043
15487	70029	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3

Certified By: 

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Thunder Bay, ON, CA
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Ph#: (807) 622-3284
Fax#: (807) 622-3284
Email gjclark@tbaytel.net

Date Received : 26-Jul-02
Date Completed : 02-Aug-02
Job # 200240440
Reference : Minnitaki
Sample #: 65 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
15488	70030	8	<0.001	0.008
15489	70031	65	0.002	0.065
15490	70032	323	0.009	0.323
15491	70033	21	<0.001	0.021
15492	70034	3289	0.096	3.289
15493	70035	27	<0.001	0.027
15494	70036	<5	<0.001	<0.005
15495	70037	<5	<0.001	<0.005
15496 Check	70037	12	<0.001	0.012
15497	70038	7	<0.001	0.007
15498	70039	93	0.003	0.093
15499	70040	126	0.004	0.126
15500	70041	525	0.015	0.525
15501	70042	54	0.002	0.054
15502	70043	138	0.004	0.138
15503	70044	38	0.001	0.038
15504	70045	26	<0.001	0.026
15505	70046	99	0.003	0.099
15506 Check	70046	103	0.003	0.103
15507	70047	216	0.006	0.216
15508	70048	829	0.024	0.829
15509	70049	113	0.003	0.113

PROCEDURE CODES: AL4Au3

Certified By: 

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Fax#: (807) 622-3284
Email gjclark@tbaytel.net

Date Received : 26-Jul-02
Date Completed : 02-Aug-02
Job # 200240440
Reference : Minnitaki
Sample #: 65 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
15510	70050	85	0.002	0.085
15511	70051	<5	<0.001	<0.005
15512	70052	<5	<0.001	<0.005
15513	70053	21	<0.001	0.021
15514	70054	115	0.003	0.115
15515	70055	<5	<0.001	<0.005
15516 Check	70055	<5	<0.001	<0.005
15517	70056	140	0.004	0.140
15518	70097	<5	<0.001	<0.005
15519	70098	6	<0.001	0.006
15520	70099	10	<0.001	0.010
15521	70100	<5	<0.001	<0.005
15522	70101	984	0.029	0.984
15523	70102	<5	<0.001	<0.005
15524	70103	6	<0.001	0.006
15525	70104	<5	<0.001	<0.005
15526 Check	70104	<5	<0.001	<0.005
15527	70105	123	0.004	0.123
15528	70106	31	<0.001	0.031
15529	70107	<5	<0.001	<0.005
15530	70108	105	0.003	0.105
15531	70109	317	0.009	0.317

PROCEDURE CODES: AL4Au3

Certified By: 

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Tuesday, August 06, 2002

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Thunder Bay, ON, CA
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Ph#: (807) 622-3284
Fax#: (807) 622-3284
Email gjclark@tbaytel.net

Date Received : 26-Jul-02
Date Completed : 02-Aug-02
Job # 200240440
Reference : Minnitaki
Sample #: 65 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
15532	70110	<5	<0.001	<0.005
15533	70111	<5	<0.001	<0.005
15534	70112	<5	<0.001	<0.005
15535	70113	70	0.002	0.070
15536 Check	70113	54	0.002	0.054
15537	70114	178	0.005	0.178

PROCEDURE CODES AL4Au3

Certified By: 

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 Ph#: (807) 622-3284
 Fax#: (807) 622-4156
 Email gjclark@tbaytel.net

Date Received : 29-Jul-02
 Date Completed : 08-Aug-02
 Job # 200240449
 Reference : Minnitaki
 Sample #: 52 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
15910	70115	<5	<0.001	<0.005
15911	70116	798	0.023	0.798
15912	70117	6200	0.181	6.200
15913	70118	944	0.028	0.944
15914	70119	463	0.014	0.463
15915	70120	498	0.015	0.498
15916	70121	636	0.019	0.636
15917	70122	97	0.003	0.097
15918	70123	916	0.027	0.916
15919	70124	1084	0.032	1.084
15920 Check	70124	1146	0.033	1.146
15921	70125	789	0.023	0.789
15922	70126	68	0.002	0.068
15923	70127	10	<0.001	0.010
15924	70128	106	0.003	0.106
15925	70129	11	<0.001	0.011
15926	70130	62	0.002	0.062
15927	70131	29	<0.001	0.029
15928	70132	81	0.002	0.081
15929	70133	8	<0.001	0.008
15930 Check	70133	<5	<0.001	<0.005
15931	70134	21	<0.001	0.021

PROCEDURE CODES: AL4Au3

Certified By: 

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Monday, August 12, 2002

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Fax#: (807) 622-4156
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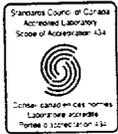
Date Received : 29-Jul-02
Date Completed : 08-Aug-02
Job # 200240449
Reference : Minnitaki
Sample #: 52 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
15932	70135	21	<0.001	0.021
15933	70136	<5	<0.001	<0.005
15934	70137	559	0.016	0.559
15935	70138	69	0.002	0.069
15936	70139	287	0.008	0.287
15937	70140	241	0.007	0.241
15938	70141	3213	0.094	3.213
15939	70142	4473	0.130	4.473
15940 Check	70142	4550	0.133	4.550
15941	70143	24	<0.001	0.024
15942	70144	91	0.003	0.091
15943	70145	74	0.002	0.074
15944	70146	473	0.014	0.473
15945	70147	3845	0.112	3.845
15946	70148	484	0.014	0.484
15947	70149	180	0.005	0.180
15948	70150	4285	0.125	4.285
15949	70151	156	0.005	0.156
15950 Check	70151	173	0.005	0.173
15951	70152	2657	0.078	2.657
15952	70153	2154	0.063	2.154
15953	70154	117	0.003	0.117

PROCEDURE CODES: AL4Au3

Certified By: 

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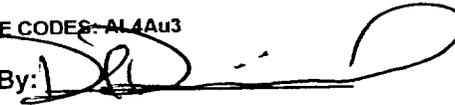
Monday, August 12, 2002

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 1000 Alloy Dr.
 Thunder Bay, ON, CA
 P7A6G5
 Ph#: (807) 622-3284
 Fax#: (807) 622-4156
 Email gjclark@tbaytel.net

Date Received : 29-Jul-02
 Date Completed : 08-Aug-02
 Job # 200240449
 Reference : Minnitaki
 Sample #: 52 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
15954	70155	701	0.020	0.701
15955	70156	73	0.002	0.073
15956	70157	252	0.007	0.252
15957	70158	25	<0.001	0.025
15958	70159	207	0.006	0.207
15959	70160	238	0.007	0.238
15960 Check	70160	235	0.007	0.235
15961	70161	567	0.017	0.567
15962	70162	445	0.013	0.445
15963	70163	120	0.003	0.120
15964	70164	81	0.002	0.081
15965	70165	25	<0.001	0.025
15966	70166	86	0.003	0.086

PROCEDURE CODES: AL4Au3

Certified By: 

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Thursday, August 08, 2002

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Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 29-Jul-02
Date Completed : 07-Aug-02
Job # 200240456
Reference : Minnitaki

Sample #: 80 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
16057	70167	199	0.006	0.199
16058	70168	271	0.008	0.271
16059	70169	2835	0.083	2.835
16060	70170	330	0.010	0.330
16061	70171	770	0.022	0.770
16062	70172	28	<0.001	0.028
16063	70173	207	0.006	0.207
16064	70174	197	0.006	0.197
16065	70175	259	0.008	0.259
16066	70176	1369	0.040	1.369
16067 Check	70176	1321	0.039	1.321
16068	70177	359	0.010	0.359
16069	70178	1924	0.056	1.924
16070	70179	8	<0.001	0.008
16071	70180	<5	<0.001	<0.005
16072	70181	<5	<0.001	<0.005
16073	70182	10	<0.001	0.010
16074	70183	881	0.026	0.881
16075	70184	65	0.002	0.065
16076	70185	117	0.003	0.117
16077 Check	70185	99	0.003	0.099
16078	70186	<5	<0.001	<0.005
16079	70187	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3

Certified By: 

AL903-0049-08/08/2002 11:23 AM



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Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 29-Jul-02
Date Completed : 07-Aug-02
Job # 200240456
Reference : Minnitaki
Sample #: 80 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
16080	70188	80	0.002	0.080
16081	70189	46	0.001	0.046
16082	70190	8	<0.001	0.008
16083	70191	119	0.003	0.119
16084	70192	82	0.002	0.082
16085	70193	<5	<0.001	<0.005
16086	70194	569	0.017	0.569
16087 Check	70194	612	0.018	0.612
16088	70195	120	0.003	0.120
16089	70196	5	<0.001	0.005
16090	70197	5	<0.001	0.005
16091	70198	<5	<0.001	<0.005
16092	70199	<5	<0.001	<0.005
16093	70200	18	<0.001	0.018
16094	70201	176	0.005	0.176
16095	70202	59	0.002	0.059
16096	70203	<5	<0.001	<0.005
16097 Check	70203	<5	<0.001	<0.005
16098	70204	8	<0.001	0.007
16099	70205	82	0.002	0.082
16100	70206	<5	<0.001	<0.005
16101	70207	60	0.002	0.060
16102	70208	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3

Certified By: 

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Thursday, August 08, 2002

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 Ph#: (807) 622-3284
 Fax#: (807) 622-4156
 Email gjclark@tbaytel.net

Date Received : 29-Jul-02
 Date Completed : 07-Aug-02
 Job # 200240456
 Reference : Minnitaki
 Sample #: 80 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
16103	70209	66	0.002	0.066
16104	70210	492	0.014	0.492
16105	70211	245	0.007	0.245
16106	70212	111	0.003	0.111
16107 Check	70212	70	0.002	0.071
16108	70213	24	<0.001	0.024
16109	70214	2881	0.084	2.881
16110	70215	251	0.007	0.251
16111	70216	234	0.007	0.234
16112	70217	936	0.027	0.936
16113	70218	13	<0.001	0.013
16114	70219	<5	<0.001	<0.005
16115	70220	11	<0.001	0.011
16116	70221	<5	<0.001	<0.005
16117 Check	70221	<5	<0.001	<0.005
16118	70222	<5	<0.001	<0.005
16119	70223	135	0.004	0.135
16120	70224	19	<0.001	0.019
16121	70225	<5	<0.001	<0.005
16122	70226	<5	<0.001	<0.005
16123	70227	<5	<0.001	<0.005
16124	70228	12	<0.001	0.012
16125	70229	22	<0.001	0.022

PROCEDURE CODES: AL7Au3

Certified By: 



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Thursday, August 08, 2002

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Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 29-Jul-02
Date Completed : 07-Aug-02
Job # 200240456
Reference : Minnitaki
Sample #: 80 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
16126	70230	472	0.014	0.472
16127 Check	70230	321	0.009	0.321
16128	70231	56	0.002	0.056
16129	70232	<5	<0.001	<0.005
16130	70233	<5	<0.001	<0.005
16131	70234	32	<0.001	0.032
16132	70235	55	0.002	0.055
16133	70236	219	0.006	0.219
16134	70237	171	0.005	0.171
16135	70238	119	0.003	0.119
16136	70239	686	0.020	0.686
16137 Check	70239	507	0.015	0.507
16138	70240	1987	0.058	1.987
16139	70241	74	0.002	0.074
16140	70242	14	<0.001	0.014
16141	70243	9	<0.001	0.009
16142	70244	15	<0.001	0.015
16143	70245	178	0.005	0.178
16144	70246	133	0.004	0.133

PROCEDURE CODES: AL4Au3

Page 4 of 4

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Monday, August 19, 2002

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 1000 Alloy Dr.
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 Ph#: (807) 622-3284
 Fax#: (807) 622-4156
 Email gjclark@tbaytel.net

Date Received : 01-Aug-02
 Date Completed : 16-Aug-02
 Job # 200240493
 Reference : Minnitaki
 Sample #: 11 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
17871	70247	6	<0.001	0.006
17872	70248	<5	<0.001	<0.005
17873	70249	<5	<0.001	<0.005
17874	70250	<5	<0.001	<0.005
17875	70251	<5	<0.001	<0.005
17876	70252	<5	<0.001	<0.005
17877	70253	18	<0.001	0.018
17878	70254	<5	<0.001	<0.005
17879	70255	<5	<0.001	<0.005
17880	70256	<5	<0.001	<0.005
17881 Check	70256	<5	<0.001	<0.005
17882	70257	8	<0.001	0.008

PROCEDURE CODES: AL4Au3

Certified By: 

AL903-0049-08/19/2002 07:58 AM

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3
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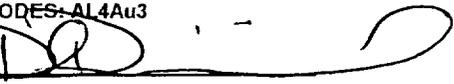
Monday, August 19, 2002

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1000 Alloy Dr.
Thunder Bay, ON, CA
P7A6G5
Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 05-Aug-02
Date Completed : 16-Aug-02
Job # 200240484
Reference : Minnitaki
Sample #: 48 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
17319	70258	<5	<0.001	<0.005
17320	70259	<5	<0.001	<0.005
17321	70260	<5	<0.001	<0.005
17322	70261	<5	<0.001	<0.005
17323	70262	<5	<0.001	<0.005
17324	70263	<5	<0.001	<0.005
17325	70264	<5	<0.001	<0.005
17326	70265	<5	<0.001	<0.005
17327	70266	<5	<0.001	<0.005
17328	70267	<5	<0.001	<0.005
17329 Check	70267	<5	<0.001	<0.005
17330	70268	<5	<0.001	<0.005
17331	70269	<5	<0.001	<0.005
17332	70270	15	<0.001	0.015
17333	70271	<5	<0.001	<0.005
17334	70272	9	<0.001	0.009
17335	70273	<5	<0.001	<0.005
17336	70274	122	0.004	0.122
17337	70275	22	<0.001	0.022
17338	70276	<5	<0.001	<0.005
17339 Check	70276	<5	<0.001	<0.005
17340	70277	<5	<0.001	<0.005
17341	70278	5	<0.001	0.005

PROCEDURE CODES: AL4Au3

Certified By: 

AL903-0049-08/19/2002 07:56 AM



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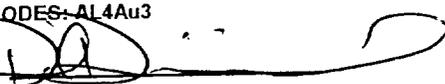
Monday, August 19, 2002

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 Thunder Bay, ON, CA
 P7A6G5
 Ph#: (807) 622-3284
 Fax#: (807) 622-4156
 Email gjclark@tbaytel.net

Date Received : 05-Aug-02
 Date Completed : 16-Aug-02
 Job # 200240484
 Reference : Minnitaki
 Sample #: 48 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
17342	70279	<5	<0.001	<0.005
17343	70280	6	<0.001	0.006
17344	70281	9	<0.001	0.009
17345	70282	<5	<0.001	<0.005
17346	70283	13	<0.001	0.013
17347	70284	<5	<0.001	<0.005
17348	70285	<5	<0.001	<0.005
17349 Check	70285	<5	<0.001	<0.005
17350	70286	<5	<0.001	<0.005
17351	70287	<5	<0.001	<0.005
17352	70288	<5	<0.001	<0.005
17353	70289	<5	<0.001	<0.005
17354	70290	<5	<0.001	<0.005
17355	70291	<5	<0.001	<0.005
17356	70292	<5	<0.001	<0.005
17357	70293	<5	<0.001	<0.005
17358	70294	<5	<0.001	<0.005
17359 Check	70294	<5	<0.001	<0.005
17360	70295	<5	<0.001	<0.005
17361	70296	<5	<0.001	<0.005
17362	70297	<5	<0.001	<0.005
17363	70298	<5	<0.001	<0.005
17364	70299	<5	<0.001	<0.005

PROCEDURE CODES: AL4Au3

Certified By: 

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Ph#: (807) 622-3284
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Email gjclark@tbaytel.net

Date Received : 05-Aug-02
Date Completed : 16-Aug-02
Job # 200240484
Reference : Minnitaki
Sample #: 48 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
17365	70300	8	<0.001	0.008
17366	70301	69	0.002	0.069
17367	70302	90	0.003	0.090
17368	70303	172	0.005	0.172
17369 Check	70303	184	0.005	0.184
17370	70304	113	0.003	0.113
17371	70305	31	<0.001	0.031

PROCEDURE CODES: AL4Au3

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Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 02-Aug-02
Date Completed : 16-Aug-02
Job # 200240489
Reference : Minnitaki
Sample #: 24 Core

Accurassay #	Client Id	Au ppb	Au oz/ft	Au g/t (ppm)
17678	70306	72	0.002	0.072
17679	70307	15	<0.001	0.015
17680	70308	100	0.003	0.100
17681	70309	217	0.006	0.217
17682	70310	77	0.002	0.077
17683	70311	27	<0.001	0.027
17684	70312	32	<0.001	0.032
17685	70313	55	0.002	0.055
17686	70314	114	0.003	0.114
17687	70315	1049	0.031	1.049
17688 Check	70315	1447	0.042	1.447
17689	70316	382	0.011	0.382
17690	70317	5	<0.001	0.005
17691	70318	256	0.007	0.256
17692	70319	93	0.003	0.093
17693	70320	1658	0.048	1.658
17694	70321	607	0.018	0.607
17695	70322	1170	0.034	1.170
17696	70323	6589	0.192	6.589
17697	70324	1155	0.034	1.155
17698 Check	70324	1280	0.037	1.280
17699	70325	13053	0.381	13.053
17700	70326	848	0.025	0.848

PROCEDURE CODES: AL4Au3

Certified By: 

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Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 02-Aug-02
Date Completed : 16-Aug-02
Job # 200240489
Reference : Minnitaki
Sample #: 24 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
17701	70327	4182	0.122	4.182
17702	70328	191	0.006	0.191
17703	70329	13	<0.001	0.013

PROCEDURE CODES: AL4Au3

Page 2 of 2

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Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 06-Aug-02
Date Completed : 16-Aug-02
Job # 200240526
Reference : Minnitaki
Sample #: 55 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
19599	70341	1288	0.038	1.288
19600	70342	295	0.009	0.295
19601	70343	166	0.005	0.166
19602	70344	811	0.024	0.811
19603	70345	295	0.009	0.295
19604	70346	43	0.001	0.043
19605	70347	1159	0.034	1.159
19606	70348	3408	0.099	3.408
19607	70349	309	0.009	0.309
19608	70350	746	0.022	0.746
19609 Check	70350	702	0.020	0.702
19610	70351	587	0.017	0.587
19611	70352	313	0.009	0.313
19612	70353	<5	<0.001	<0.005
19613	70354	151	0.004	0.151
19614	70355	7037	0.205	7.037
19615	70356	110	0.003	0.110
19616	70357	79	0.002	0.079
19617	70358	5	<0.001	0.005
19618	70359	25	<0.001	0.025
19619 Check	70359	27	<0.001	0.027
19620	70360	6	<0.001	0.006
19621	70361	17	<0.001	0.017

PROCEDURE CODES: AL4Au3

Certified By: 

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Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 06-Aug-02
Date Completed : 16-Aug-02
Job # 200240526
Reference : Minnitaki
Sample #: 55 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
19622	70362	71	0.002	0.071
19623	70363	267	0.008	0.267
19624	70364	79	0.002	0.079
19625	70365	35	0.001	0.035
19626	70366	18	<0.001	0.018
19627	70367	81	0.002	0.081
19628	70368	6	<0.001	0.006
19629 Check	70368	<5	<0.001	<0.005
19630	70369	412	0.012	0.412
19631	70370	<5	<0.001	<0.005
19632	70371	47	0.001	0.047
19633	70372	10	<0.001	0.010
19634	70373	8	<0.001	0.008
19635	70374	29	<0.001	0.029
19636	70375	<5	<0.001	<0.005
19637	70376	<5	<0.001	<0.005
19638	70377	17	<0.001	0.017
19639 Check	70377	18	<0.001	0.018
19640	70378	28	<0.001	0.028
19641	70379	27	<0.001	0.027
19642	70380	631	0.018	0.631
19643	70381	20	<0.001	0.020
19644	70382	43	0.001	0.043

PROCEDURE CODES: AL4Au3

Certified By: 

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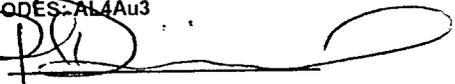
Monday, August 19, 2002

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Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 06-Aug-02
Date Completed : 16-Aug-02
Job # 200240526
Reference : Minnitaki
Sample #: 55 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
19645	70383	<5	<0.001	<0.005
19646	70384	<5	<0.001	<0.005
19647	70385	7	<0.001	0.007
19648	70386	899	0.026	0.899
19649 Check	70386	858	0.025	0.858
19650	70387	9	<0.001	0.009
19651	70388	<5	<0.001	<0.005
19652	70389	108	0.003	0.108
19653	70390	<5	<0.001	<0.005
19654	70391	469	0.014	0.469
19655	70392	97	0.003	0.097
19656	70393	23	<0.001	0.023
19657	70394	641	0.019	0.641
19658	70395	23	<0.001	0.023
19659 Check	70395	22	<0.001	0.022

PROCEDURE CODES: AL4Au3

Certified By: 

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Friday, September 20, 2002

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Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 06-Sep-02
Date Completed : 19-Sep-02
Job # 200240684
Reference : Minnitaki
Sample #: 43 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
26525	70396	937	0.027	0.937
26526	70397	99	0.003	0.099
26527	70398	110	0.003	0.110
26528	70399	33	<0.001	0.033
26529	70400	77	0.002	0.077
26530	70401	56	0.002	0.056
26531	70402	105	0.003	0.105
26532	70403	20	<0.001	0.020
26533	70404	33	<0.001	0.033
26534	70405	147	0.004	0.147
26535 Check	70405	134	0.004	0.134
26536	70406	446	0.013	0.446
26537	70407	471	0.014	0.471
26538	70408	412	0.012	0.412
26539	70409	2115	0.062	2.115
26540	70410	241	0.007	0.241
26541	70411	150	0.004	0.150
26542	70412	296	0.009	0.296
26543	70413	633	0.018	0.633
26544	70414	8618	0.251	8.618
26545 Check	70414	9189	0.268	9.189
26546	70415	934	0.027	0.934

PROCEDURE CODES: AL3Au3

Certified By: 

AL903-0049-09/20/2002 12:36 PM

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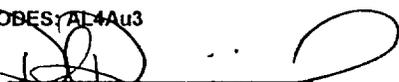
Friday, September 20, 2002

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Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 06-Sep-02
Date Completed : 19-Sep-02
Job # 200240684
Reference : Minnitaki
Sample #: 43 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
26547	70416	9670	0.282	9.670
26548	70417	559	0.016	0.559
26549	70418	498	0.015	0.498
26550	70419	255	0.007	0.255
26551	70420	3729	0.109	3.729
26552	70421	250	0.007	0.250
26553	70422	7568	0.221	7.568
26554	70423	974	0.028	0.974
26555 Check	70423	945	0.028	0.945
26556	70424	895	0.026	0.895
26557	70425	1321	0.039	1.321
26558	70426	21	<0.001	0.021
26559	70427	3061	0.089	3.061
26560	70428	381	0.011	0.381
26561	70429	38	0.001	0.038
26562	70430	82	0.002	0.082
26563	70431	67	0.002	0.067
26564	70432	23	<0.001	0.023
26565 Check	70432	25	<0.001	0.025
26566	70433	118	0.003	0.118
26567	70434	304	0.009	0.304
26568	70435	1343	0.039	1.343

PROCEDURE CODES: AL4Au3

Certified By: 

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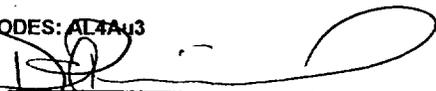
Friday, September 20, 2002

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Ph#: (807) 622-3284
Fax#: (807) 622-4156
Email gjclark@tbaytel.net

Date Received : 06-Sep-02
Date Completed : 19-Sep-02
Job # 200240684
Reference : Minnitaki
Sample #: 43 Core

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
26569	70436	142	0.004	0.142
26570	70437	53	0.002	0.053
26571	70438	230	0.007	0.230

PROCEDURE CODES: AL4Au3

Certified By: 

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Thursday, September 05, 2002

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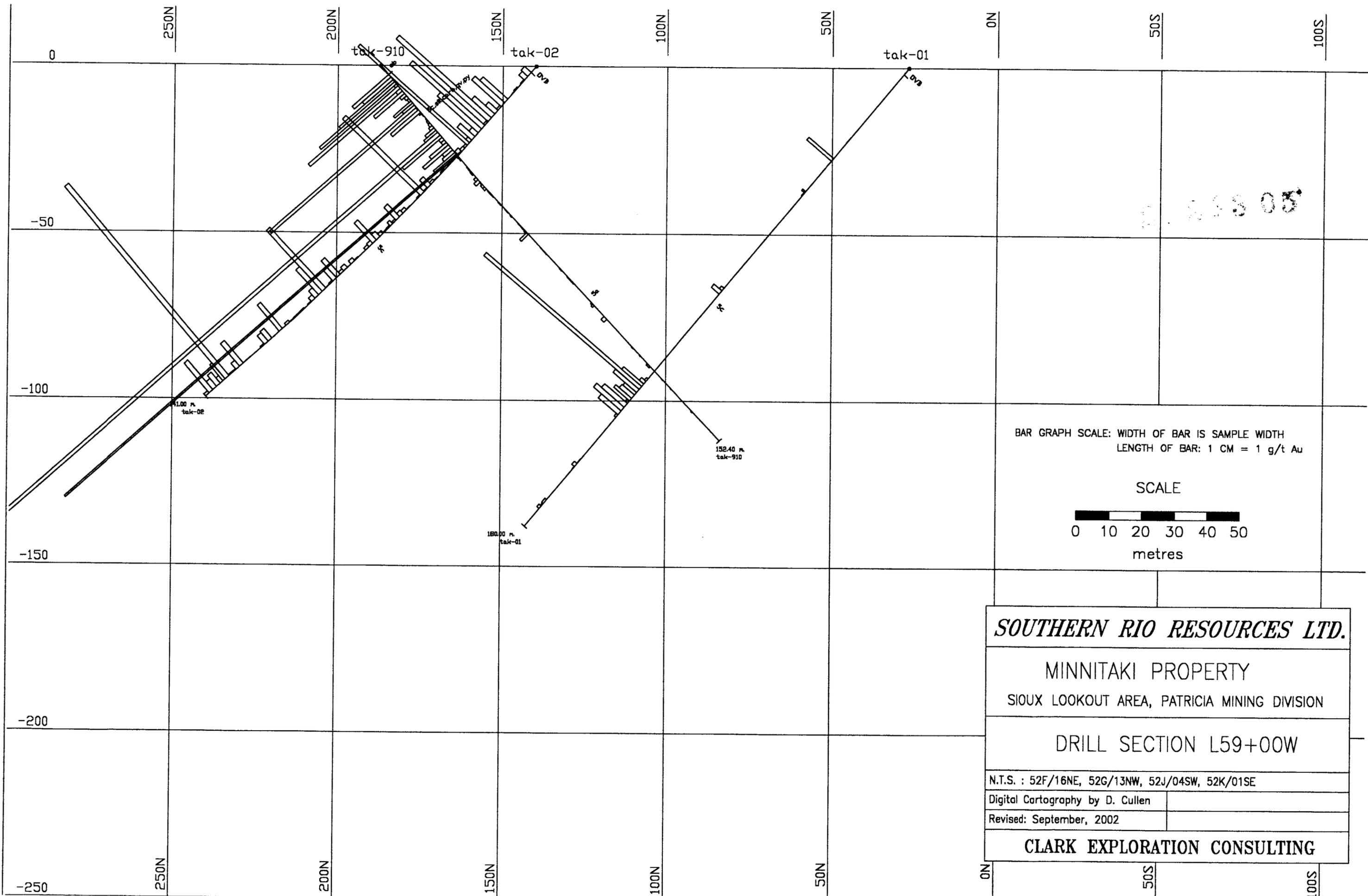
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Date Completed : 30-Aug-02
Job # 200240629
Reference : Minnitaki
Sample #: 14 Crusher Fines

Accurassay #	Client Id	Au ppb	Au oz/t	Au g/t (ppm)
24230	70315	450	0.013	0.450
24231	70316	10	<0.001	0.010
24232	70317	308	0.009	0.308
24233	70318	214	0.006	0.214
24234	70319	68	0.002	0.068
24235	70320	5765	0.168	5.765
24236 Check	70320	7018	0.205	7.018
24237 Check	70320	17970	0.524	17.970
24238	70321	447	0.013	0.447
24239	70322	1496	0.044	1.496
24240	70323	11747	0.343	11.747
24241 Check	70323	8791	0.256	8.791
24242 Check	70323	4402	0.128	4.402
24243	70324	828	0.024	0.828
24244	70325	185	0.005	0.185
24245 Check	70325	220	0.006	0.220
24246 Check	70325	124	0.004	0.124
24247	70326	731	0.021	0.731
24248	70327	3267	0.095	3.267
24249 Check	70327	5351	0.156	5.351
24250 Check	70327	2683	0.078	2.683
24251	70328	189	0.006	0.189

PROCEDURE CODES: AL4Au3

Certified By: 

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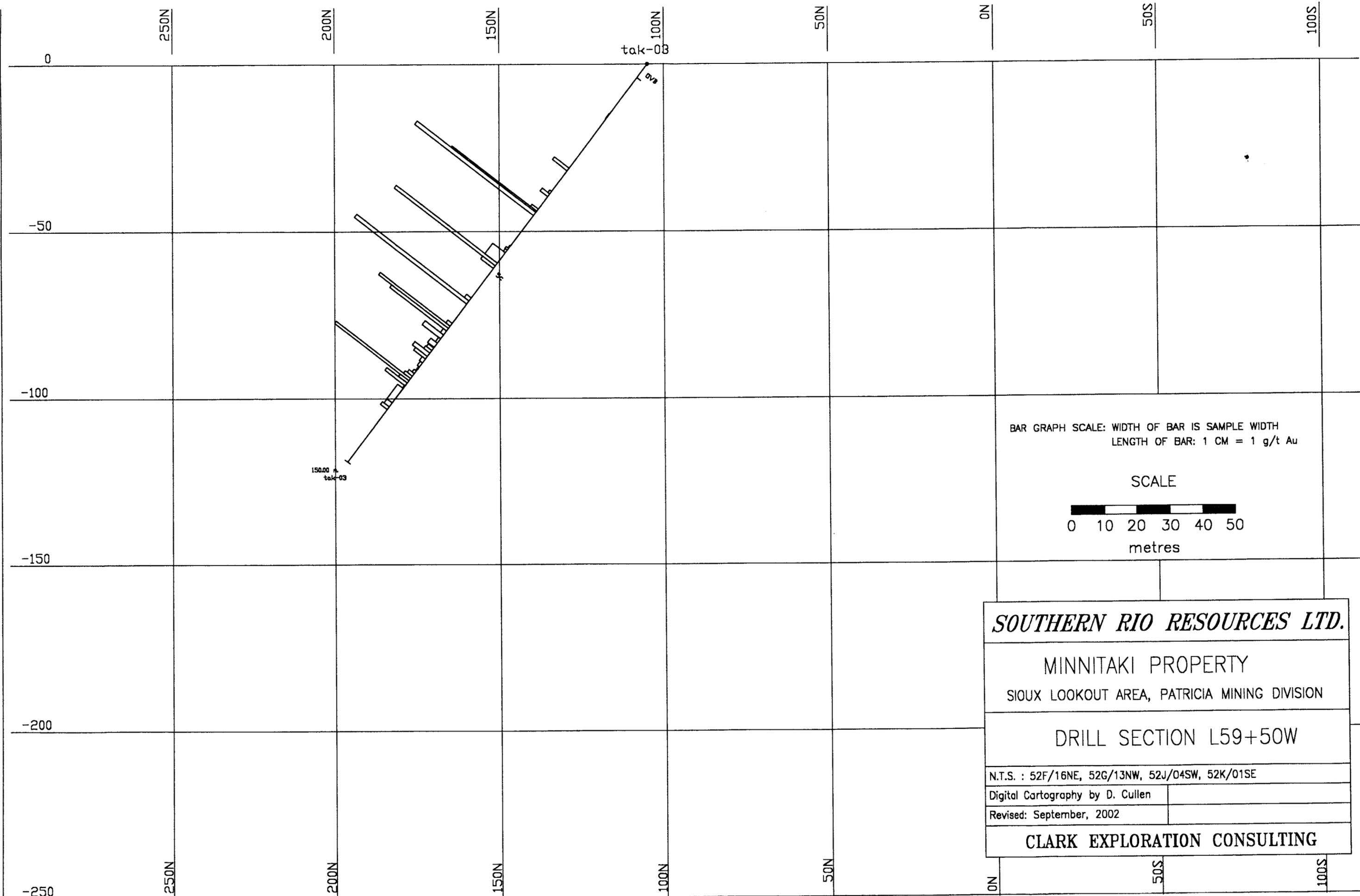


2003 05

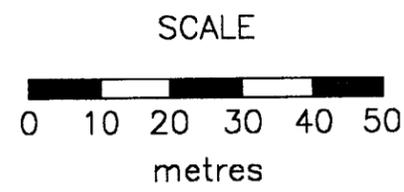
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tak-02

152.40 m
tak-910

180.00 m
tak-01



BAR GRAPH SCALE: WIDTH OF BAR IS SAMPLE WIDTH
 LENGTH OF BAR: 1 CM = 1 g/t Au



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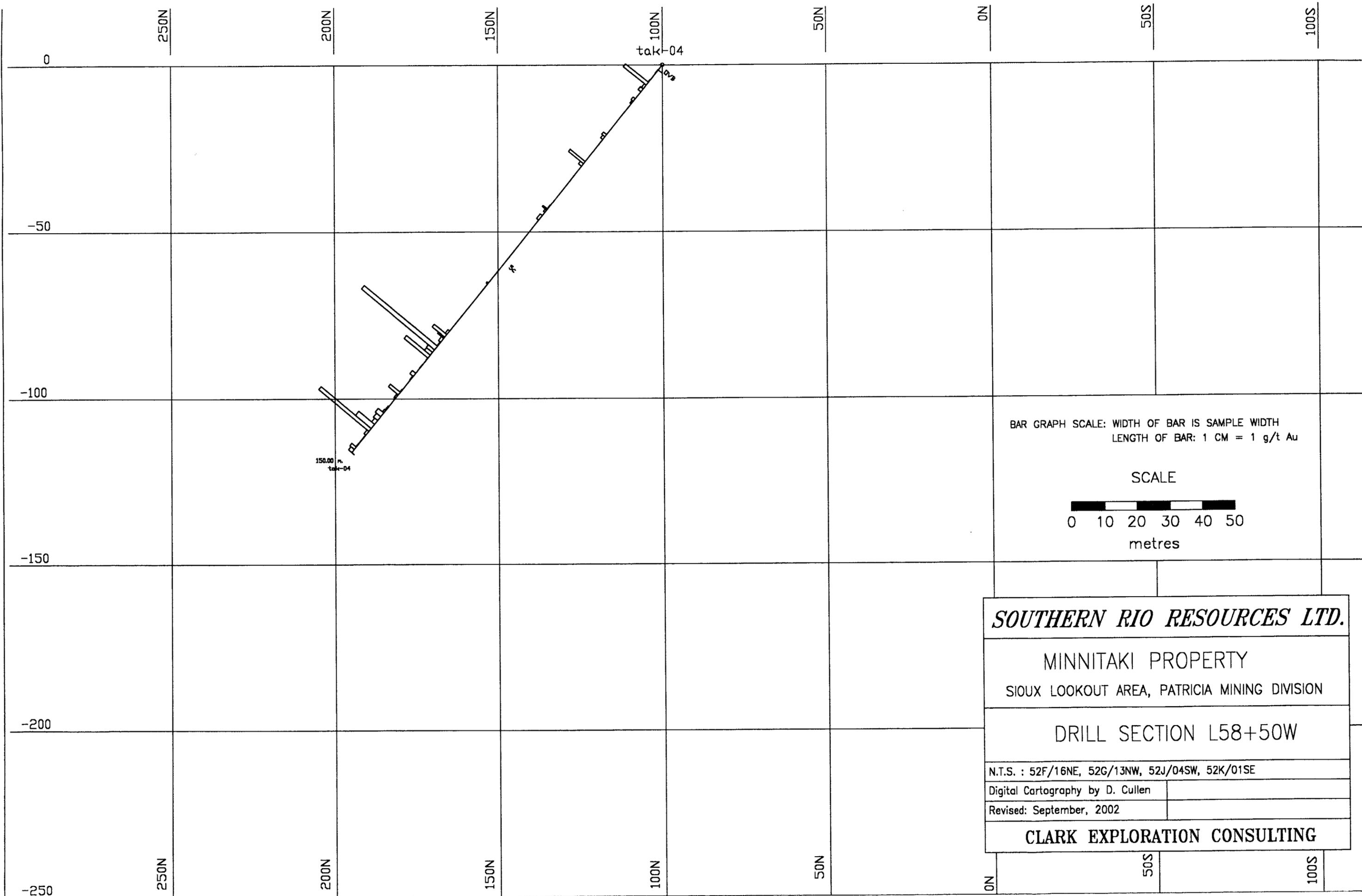
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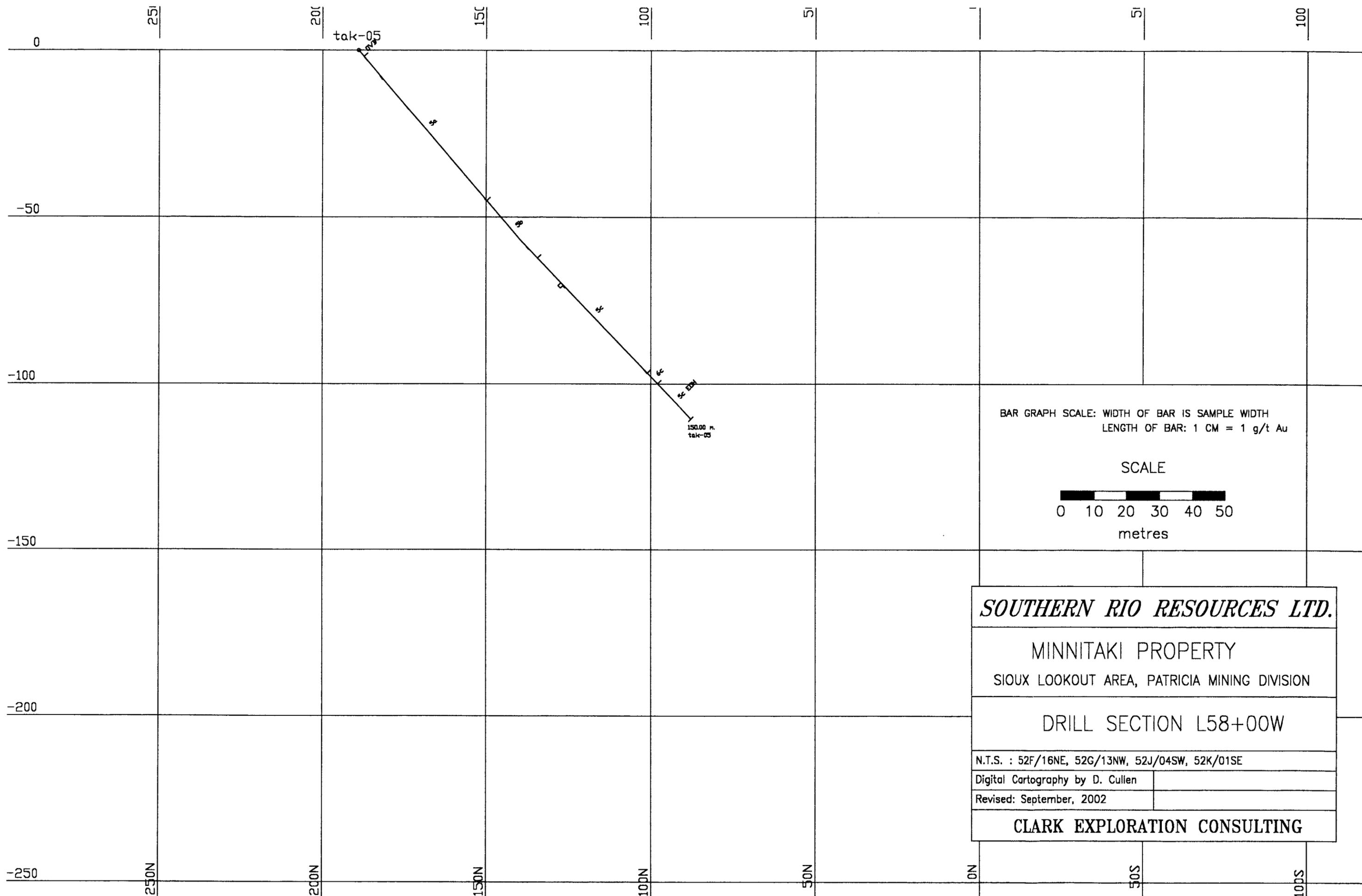
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Digital Cartography by D. Cullen

Revised: September, 2002

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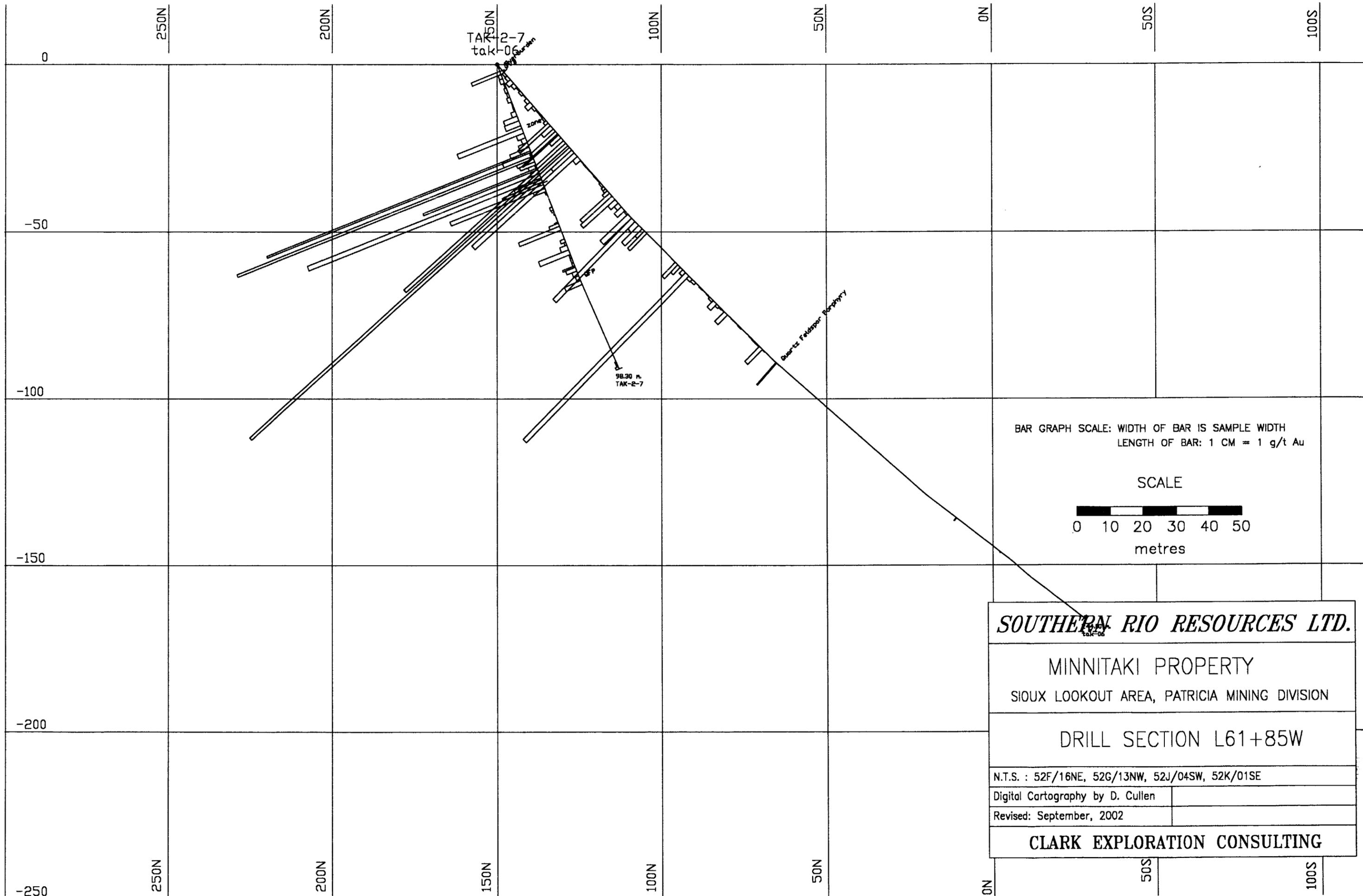
DRILL SECTION L58+00W

N.T.S. : 52F/16NE, 52G/13NW, 52J/04SW, 52K/01SE

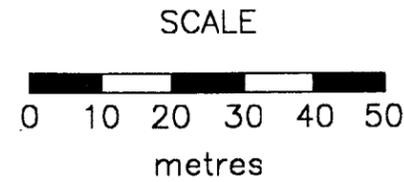
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BAR GRAPH SCALE: WIDTH OF BAR IS SAMPLE WIDTH
 LENGTH OF BAR: 1 CM = 1 g/t Au



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MINNITAKI PROPERTY
 SIOUX LOOKOUT AREA, PATRICIA MINING DIVISION

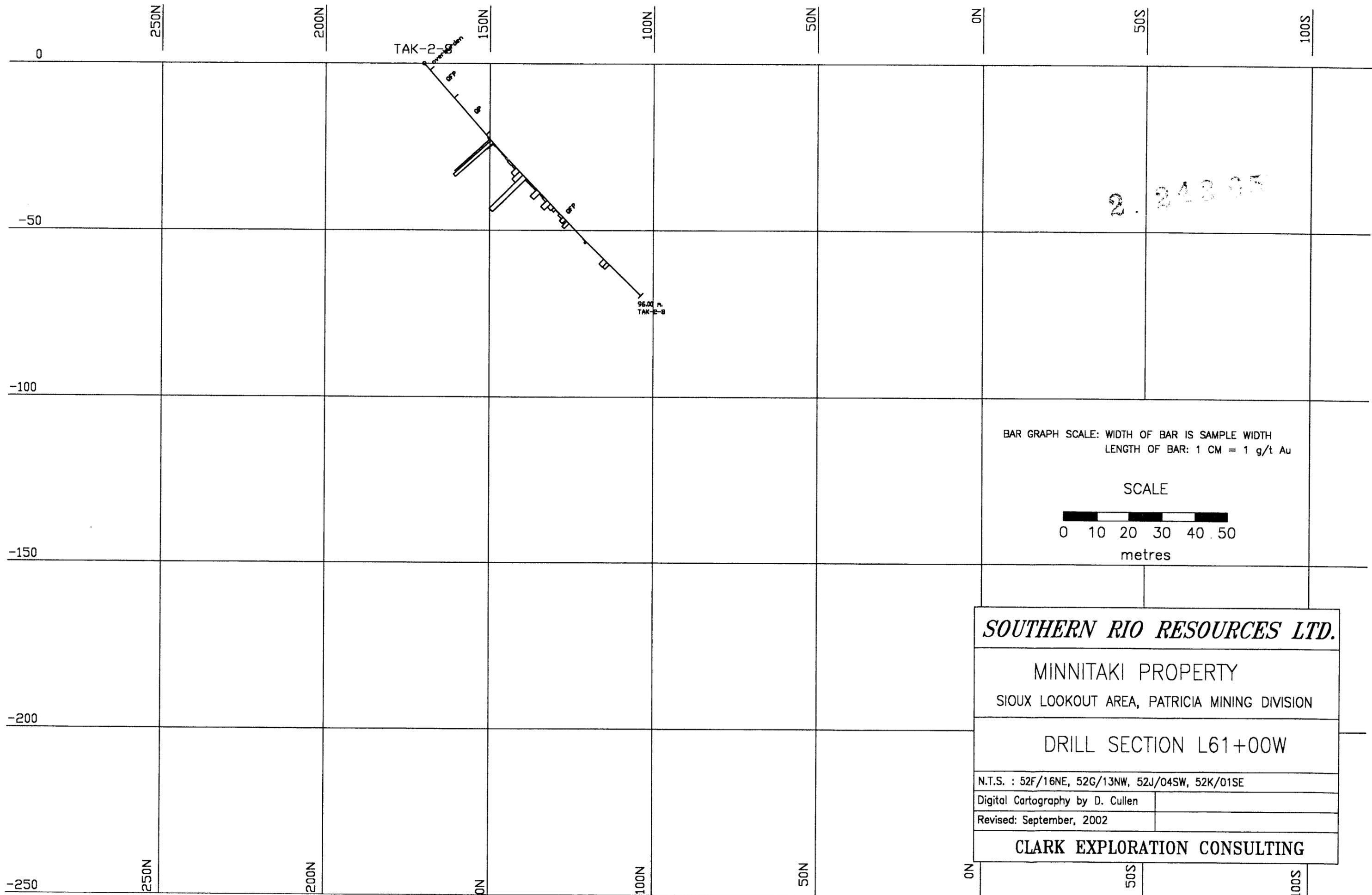
DRILL SECTION L61+85W

N.T.S. : 52F/16NE, 52G/13NW, 52J/04SW, 52K/01SE

Digital Cartography by D. Cullen

Revised: September, 2002

CLARK EXPLORATION CONSULTING



Date: 2002-DEC-03

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

TRIX RESOURCES LTD.
P.O. BOX 11584, SUITE 1410
650 WEST GEORGIA STREET
VANCOUVER, BRITISH COLUMBIA
V6B 4N8 CANADA

Tel: (888) 415-9845
Fax: (877) 670-1555

Submission Number: 2.24305
Transaction Number(s): W0230.01541

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

An expense verification was not asked for on this submission however it was noted that the costs associated with this work exceed the industry standard for drilling.

If you have any question regarding this correspondence, please contact LUCILLE JEROME by email at lucille.jerome@ndm.gov.on.ca or by phone at (705) 670-5858.

Yours Sincerely,



Ron Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

James Garnet Clark
(Agent)

Triex Resources Ltd.
(Assessment Office)

Assessment File Library

Triex Resources Ltd.
(Claim Holder)



MINING LAND TENURE MAP

Date / Time of Issue Oct 4 2002 16:21h Eastern
TOWNSHIP / AREA PLAN
KABIK LAKE G-2079

ADMINISTRATIVE DISTRICTS / DIVISIONS
Mining Division Patricia
Land Titles/Registry Division KENORA
Ministry of Natural Resources District SIOUX LOOKOUT

TOPOGRAPHIC

- Administrative Boundaries
- Township
- Cardinal Lot
- Province/Plan
- Indian Reserves
- City, P.I. or P.M.
- Control
- Control - Approx. ADMINISTRATION
- SPR
- M.P. boundaries
- Railways
- Road
- Tier
- Natural Gas Pipeline
- Hydro Line
- Communication Line
- Wooded Area
- Mountain - Quartz, Helium, Zinc, Cobalt

LAND TENURE

- Feehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Licence of Occupation
- Uses not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Easement
- Claim In Control
- Water Power Lease Agreement
- Mining Claim

LAND TENURE WITHDRAWALS

- Area Withdrawn From Disposal
- Mining Act Withdrawal Types
- Business to Mining & open wilderness
- Business Rights Only withdrawal
- Mining Rights Only withdrawal
- Order of Closure Withdrawal Types
- Business to Mining Rights Withdrawal
- Business Rights Only withdrawal
- Mining Rights Only withdrawal
- IMPORTANT NOTICES

LAND TENURE WITHDRAWAL DESCRIPTIONS

Location	Type	Date	Description
W1472	Yes	Jan 1 1988	S.E.C. 36/80 W1472 15/072 N.E.L.D. 183474
W0773	Yes	Jan 1 1988	W1472 18/04/88 1972 S.E.L.D. 183074
W0772	Yes	Jan 1 1988	S.E.C. 36/80 W0772 20/179 S.E.L.D. 183474 VOL. 2
	Yes	Jan 1 2001	ORDER OF CLOSURE WITHDRAWAL TYPE - Claim staking in these townships is not to date according to the Mining Act legislation for staking in surveyed territory.
Pending P.I.A.	Yes	Dec 10 2001	Pending application under the Public Lands Act.

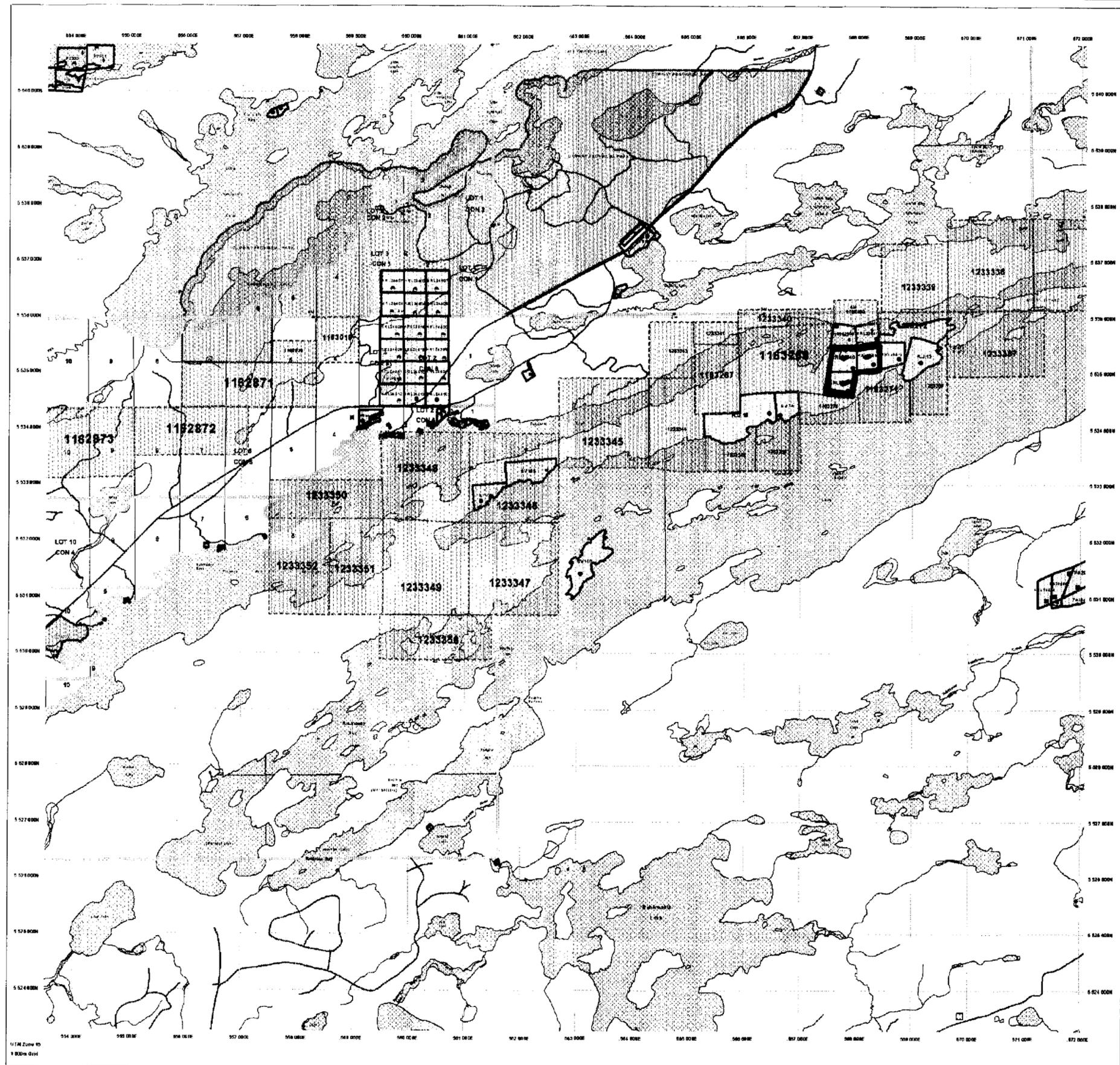
IMPORTANT NOTICES

Areas under which special conditions, limitations or conditions exist (not of normal processing, staking and mineral development) activities.

2.24305
PDRILL
ASSAYS.



52P10NE2006 2.24305 KABIK LAKE 200



These mining to staking claims should consult with the Provincial Mining Recorder's Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown herein. This map is not intended for navigation, survey, or land use determination purposes as the information shown on this map is obtained from various sources. Coordinates and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles and Registry Office, or the Ministry of Natural Resources.

General Information and Limitations

Contact Information:
Provincial Mining Recorder's Office Tel: 709
Mining Division Centre Fax: 1 (800) 415 0045
953 Ramsey Lake Road Fax: 1 (207) 870 1444
Sudbury, Ont. L1P 4B5
Home Page: www.gov.on.ca/ENR/MINE/BLANDS/Infringement.htm

Map Datum: NAD 83
Projection: UTM 18 Q UTM Zone 18Q
Topographic Data Source: 1:50,000 scale information Canada
Mining Land Tenure Data: Provincial Mining Recorder's Office

This map may not show all rights and land to a user and interests in land including certain parcels, leases, easements, etc. It is not a legal document. It is not a substitute for a legal document. It is not a substitute for a legal document. It is not a substitute for a legal document.