

TABLE OF CONTENTS

	Page
SUMMARY	1
INTRODUCTION	2
LOCATION AND ACCESS	2
TOPOGRAPHY AND CLIMATE	2
PROPERTY	3
GENERAL GEOLOGY	4
HISTORY AND PREVIOUS WORK	5
GEOPHYSICAL SURVEY	6
DATA PROCESSING	6
DISCUSSION OF RESULTS	7
CONCLUSIONS	9
RECOMMENDATIONS	9
CERTIFICATE	10
COST BREAKDOWN	11

APPENDIX I	Instrument Specifications
APPENDIX II	Data Profiles
APPENDIX III	Data Listings

LIST OF FIGURES

Figure 1	LOCATION MAP
Figure 2	CLAIM MAP
Figures 3-30	DATA PROFILES
Figure 31	STACKED PROFILE MAP (Hz)
Figure 32	STACKED PROFILE MAP (Hx)
Figure 33	FALSE COLOUR CONTOUR MAP - Channel 3
Figure 34	FALSE COLOUR CONTOUR MAP - Channel 10
Figure 34	FALSE COLOUR CONTOUR MAP - Channel 13
Plate 3	GEOLOGY

SUMMARY

A deep penetrating, time domain electromagnetic survey was conducted across a portion of the Cronin Mine Property by Frontier Geosciences Inc. in June, 1988. It was the intention of this survey to followup preliminary geophysical data which suggested that the target mineralization may produce a mappable conductivity response.

A high conductivity zone, trending at 070° across the northern portion of the property, dominates the electromagnetic responses. This response likely originates from a number of variably spaced, subparallel conductors which appear to converge near the Cronin Mine site and are probably related to a major fault zone. The conductive zone dips approximately 60° with respect to ground surface to the northwest and masses near 50 metres depth. Offshoots from this zone likely extend to surface and caused the sporadic vlf-em anomalies mapped earlier. An abrupt change in the shape of the secondary em fields is evident between lines 400W and 300W, and again between lines 900W and 1000W, suggesting a discontinuities in these areas. To the west the em response gradually weakens, suggesting the trend either dissipates or plunges to depth in this direction.

This highly conductive zone is located in an area of known sulphide mineralization and could be mapping a large accumulation of this material. Diamond drilling is warranted to identify the source of this geophysical anomaly.

1. INTRODUCTION

Frontier Geosciences Inc. was commissioned by Southern Gold Resources Ltd. to gather, process, plot and interpret some 13 kilometres of time domain electromagnetic survey data across the Cronin Mine Property. The field survey was conducted from June 12, to June 24, 1988 and utilized a Geonics em-37 time domain electromagnetic system configured in the fixed loop mode. Twelve lines, spaced at 100 metre intervals, were surveyed across the main grid. Two reconnaissance lines to the west were also surveyed. Stations were occupied at 25 metre intervals and twenty measurements were recorded for both the horizontal and vertical components at each station. Data was digitally recorded in the field and subsequently downloaded to computers for processing.

Previous exploration and mining in the area suggested the presence of a deeply buried, conductive target and it was the intention of this survey to detect and outline this zone and provide targets for exploratory drilling.

2. LOCATION AND ACCESS

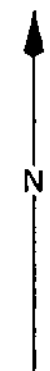
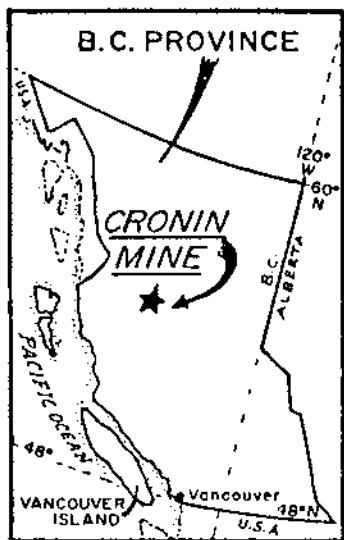
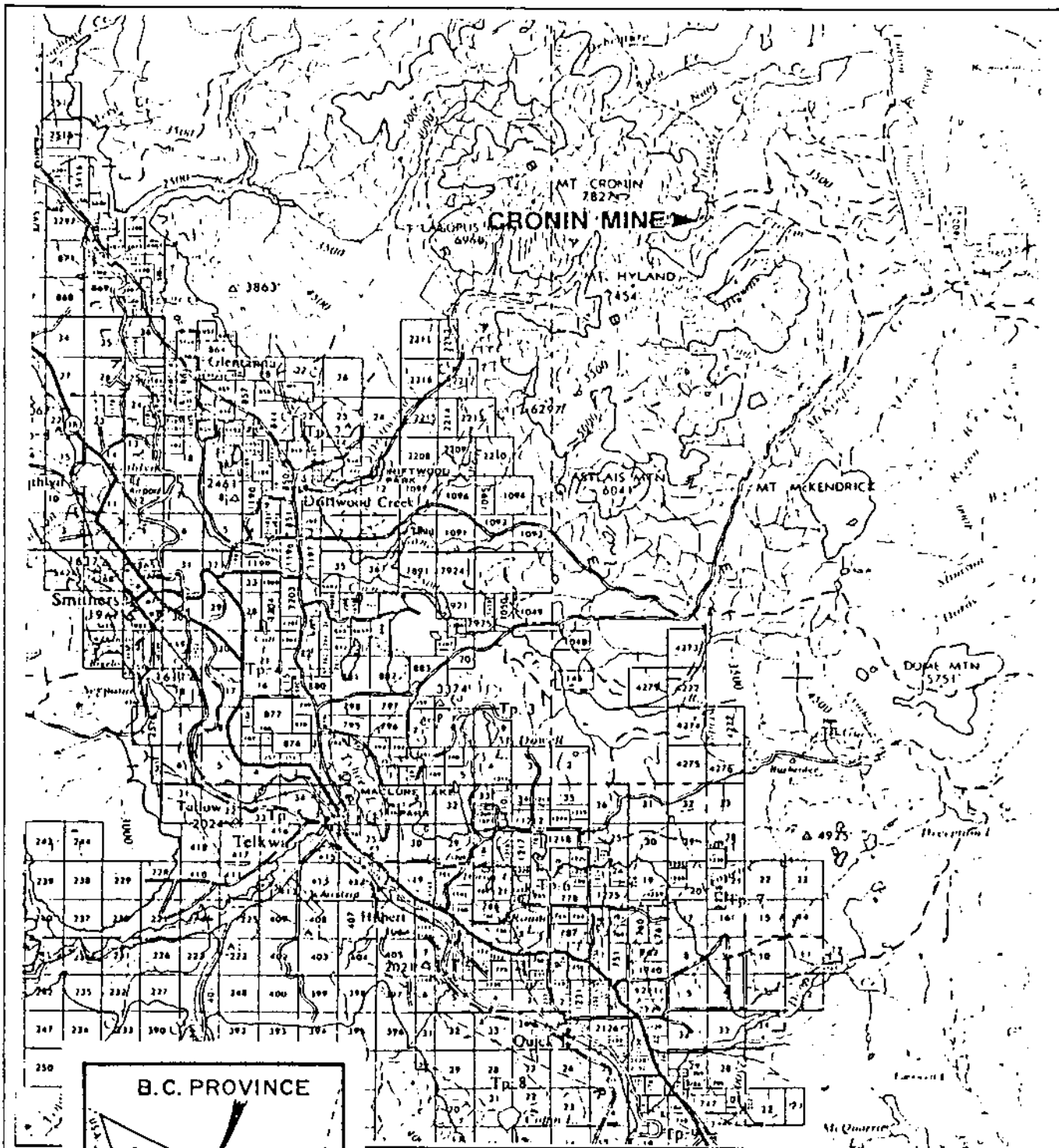
The Cronin Mine is located in west-central British Columbia, some 28 kilometres northeast of the town of Smithers. It is on the east flank of Cronin Mountain in the Babine Range. The property lies within the Omineca Mining Division and NTS 93L/15. The approximate geographical coordinates of the centre of the property are latitude 54° 57'N and longitude 126° 50'W. (Figure 1).


Access to the old millsite property is available via 10 km of 4-wheel drive road that leaves the Babine highway from km 32. A small bridge used to cross Cronin Creek is suitable only for light vehicles however a nearby ford is available for heavier equipment.

3. TOPOGRAPHY AND CLIMATE

The Cronin Mine property lies on the eastern flanks of the Babine Range, which reaches elevations in excess of 2,375 metres in the vicinity of the property. Within the property boundaries, topography is moderately steep, rising from 1,000 metres to alpine flats at 1,700 metres and above. The western end of the property is somewhat more rugged and reaches elevations of 2,100 metres. The majority of the old workings lie between 1,450 metres and 1,600 metres and the mill is at 1,100 metres.

The lower slopes are generally unstable, with extensive evidence of slides, both recent and ancient. Widespread down slope creep appears common. These slopes are heavily forested with spruce, balsam and fir, generally well past maturity, with abundant windfall and snags. The vegetation on the upper slopes consists largely of alpine meadow and patches of juniper, rising to exposed rock and talus at the uppermost elevations of the property. Permanent snow covers some areas and glaciers are found west of



 SOUTHERN GOLD RESOURCES LTD. NORTH VANCOUVER, BRITISH COLUMBIA	
CRONIN MINE PROPERTY	
LOCATION MAP	
SCALE 1:250,000 	
Work by:	N. T. S. : 93/15
Drawn by:	Date: OCT. 1987
FIGURE 1	

the property.

The climate is typical of interior mountain ranges, with heavy winter snowfalls, some persisting into August and September. Spring and early summer tend to be clear and dry while low cloud cover and squalls are not uncommon in the later summer.

3. PROPERTY

The following information has been copied from a report prepared for Southern Gold Resources Ltd. by Nells Vollo, dated September, 1986. Figure 2 outlines the claim information.

"The property consists of 8 mineral crown grants, 1 reverted crown grant, 23 two post claims and fractions and one MGS claim, as follows:

CROWN GRANTS

Sunflower Crown Grant, L. 7418
Sunflower Fr.Crown Grant, L. 7417
Homestake Crown Grant, L. 1859A
Bonanza Crown Grant, L. 1860A
Eureka Crown Grant, L. 1861A
Lucky Strike Crown Grant, L. 1862A
Babine Cheif Crown Grant, L. 1863A
Bulkley Pioneer Crown Grant, L. 1864A
Sunrise 7 Reverted Crown Grant, Record No. 94213,
exp. Oct 30/87

2 POST CLAIMS

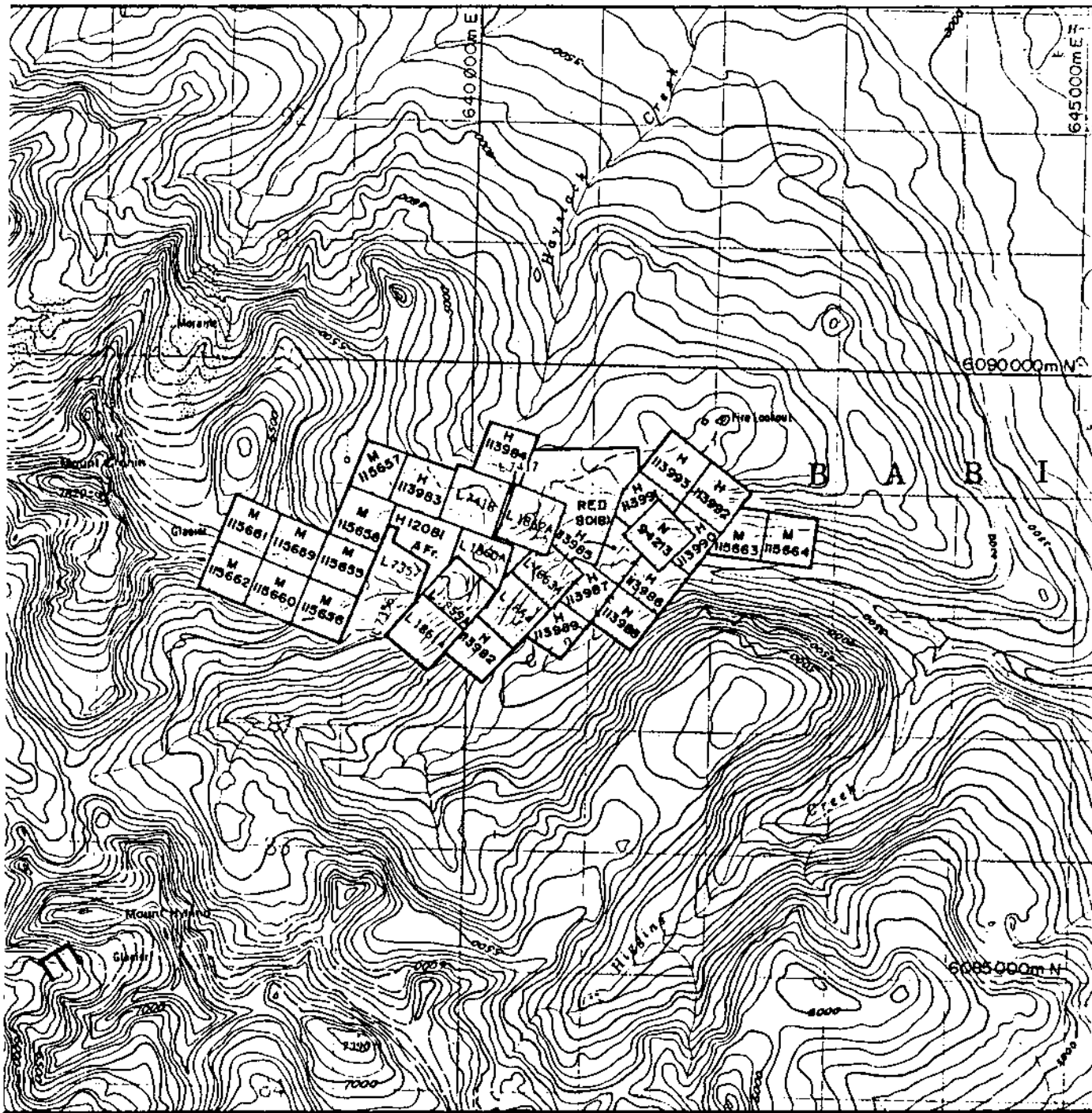
Jim A. Fr. Record No. 12081, exp. Jul. 11/87
Del 1-12 inc., Record Nos. 113982-93, exp. Jul. 27/87
View 1-8 inc., Record NOS. 115655-62, exp. Sept. 6/87
Mill 1,2. Record Nos. 115663-64, exp. Sept. 6/87



MODIFIED GRID SYSTEM

Red, 4 units, Record No. 80, exp. Aug. 18/87

All are in the Omineca Mining Division. The record claims are held by Hallmark Resources Ltd.; the Crown Grants by Kindrat Mines Ltd., a subsidiary of Hallmark. "

The claims are grouped together as the Cronin #2 Group. All mineral claims are registered in the name of Southern Gold Resources Ltd., while the Crown Grants are held by Hallmark Resources Ltd., subject to the terms of an option agreement dated April 1, 1987 between Hallmark Resources Ltd., Barnes Resources Inc. and Kindrat Mines Ltd. Under the terms of the agreement Barnes has sole and exclusive right to earn up to a 51% undiluted interest in the Cronin Property. Barnes assigned its' rights under this option agreement to Southern Gold Resources Ltd. in an assignment agreement dated 14 September, 1987.



 SOUTHERN GOLD RESOURCES LTD. NORTH VANCOUVER, BRITISH COLUMBIA	
CRONIN MINE PROPERTY	
CLAIM MAP	
Scale 1:50,000 	
Work by : Drawn by :	N.T.S. : 93 L / 15 Date : OCTOBER 1987
FIGURE 2	

TOPOGRAPHICAL BASE FROM 1:50,000 SERIES

Frontier Geosciences Inc.

The property lies within the Babine Recreational Area and accordingly a Resource Use Permit must be obtained under the Park Act before commencing work on the property. A Resource Use Permit (1537) was issued on July 1, 1987 which permits use and maintenance of existing roads, trenching, rehabilitation of old mine portals and geophysical and geochemical work.

The author has not confirmed the status of the claims.

4. GENERAL GEOLOGY

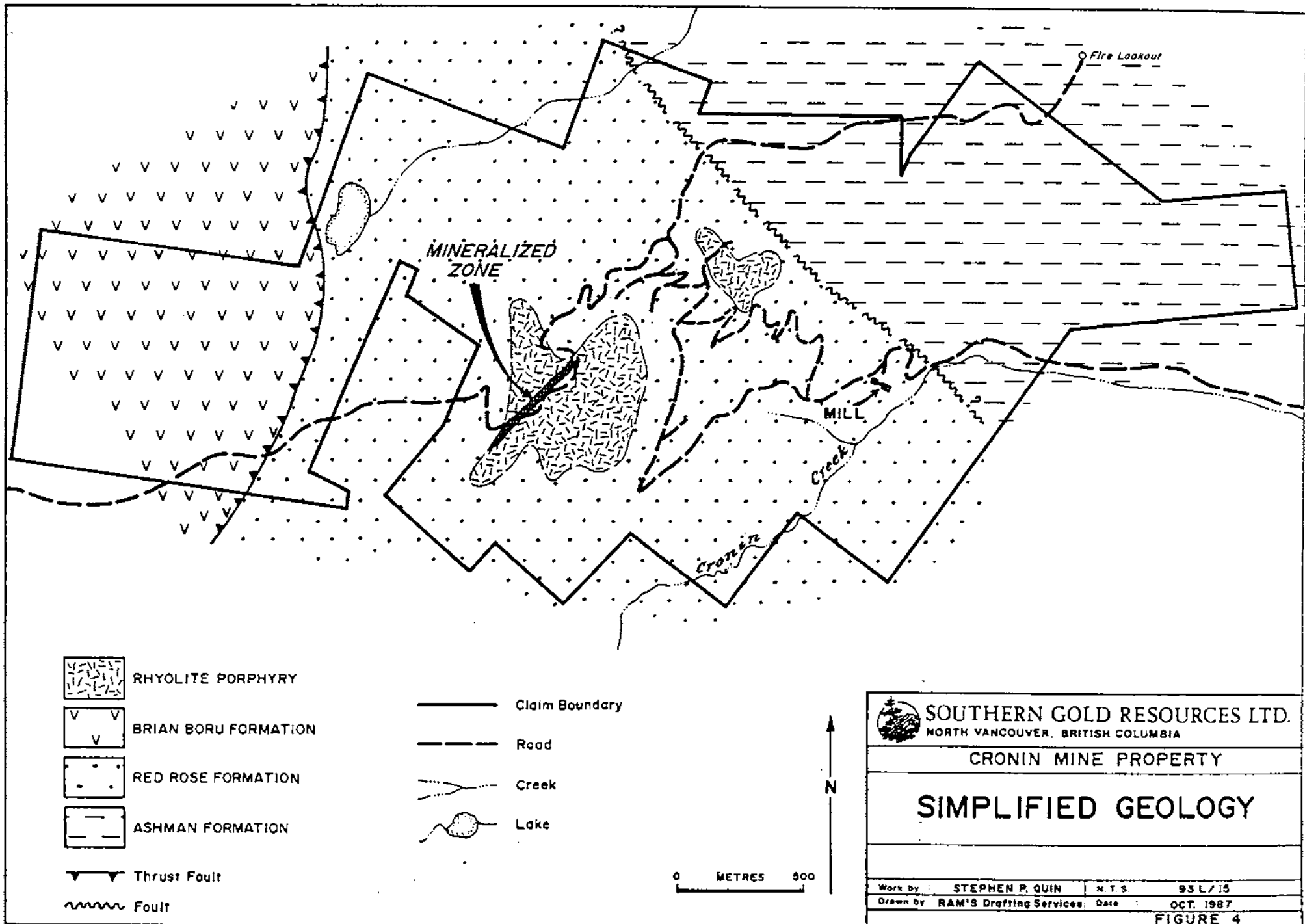
According to Richards (1977) the property is underlain by lower Jurassic sediments of the Ashman formation and middle to lower Cretaceous sediments of the Red Rose formation, between which is intruded a felsic body dated at 49 my. This package is overthrust from the west by lower Cretaceous volcanics of the Brian Boru formation.

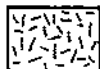
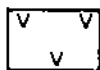
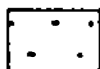
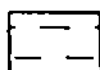
A felsic body is extensively exposed in the mine workings and on surface. It has many of the characteristics of a massive rhyolite ash flow or ignimbrite and generally underlies black shales or argillites. Schroeder (1975) considers it to be intrusive. Scott and Ikona (1982) suggest it is a rhyolite dome. Wright Engineers Ltd. believe it is a volcanic complex consisting of extrusive domes, coeval ash flows and synvolcanic intrusions.





The rhyolite body trends northeasterly across the property and dips moderately to the northwest, in rough conformity with the sediments. Drilling by Coca Metals suggest that it interfingers with sediments to the west. Only the upper contact has been explored in any detail.



Most of the productive mineralized veins occur at the rhyolite-shale contact and are essentially conformable with the contact. The veins are composed of white quartz, siderite and variable amounts of sphalerite and galena. "Massive" sulphides in the mined areas are reported to have been up to 1.5 metres wide, generally along the contacts of the quartz veins (Smith, 1984). Jones (1977) states that the dimensions of the mineralized zones are extremely variable, varying from a few feet wide and a few tens of feet long up to 30 feet wide and 250 feet long.

A detailed compilation of geological data concerning this property is included in the Summary Report on the 1987 Exploration Program, Cronin Mine Property, authored by Stephen P. Quin and dated November 8, 1987. Readers are referred to this document for geological reference. A map illustrating a simplified view of the geology is reproduced from Quin's report and included as Plate 1 in this report.




-  RHYOLITE PORPHYRY
-  BRIAN BORU FORMATION
-  RED ROSE FORMATION
-  ASHMAN FORMATION

-  Claim Boundary
-  Road
-  Creek
-  Lake

-  Thrust Fault
-  Fault

0 METRES 300

		
SOUTHERN GOLD RESOURCES LTD. NORTH VANCOUVER, BRITISH COLUMBIA		
CRONIN MINE PROPERTY		
SIMPLIFIED GEOLOGY		
Work by:	STEPHEN P. QUIN	N.T.S. 93 L/15
Drawn by:	RAM'S Drafting Services	Date: OCT. 1987
FIGURE 4		

5. HISTORY AND PREVIOUS WORK

The property was discovered in 1905 and acquired by James Cronin in 1908. Between then and 1925 he drove most of the present workings.

The property remained idle until 1949 when it was acquired by New Cronin Babine Mines Ltd. who constructed a 50 ton mill and produced briefly in 1952. Production was resumed in 1956 and was continued by a lessee, Mr. Paul Kindrat, who operated it until 1972.

Hallmark Resources Ltd. optioned the property in 1972. They rehabilitated the mill and milled 1700 tons in 1973. Minor production was achieved in 1974.

Coca Metals Ltd. optioned the property in 1975. They drilled 1530 metres in 10 surface holes then terminated their option.

In 1977, Hallmark completed 11 diamond drill holes on the No. 3 level, did about 100 metres of drifting on levels 1 and 3 then drove two raises on level 1.

Little further work was done until 1983 when Goldsil Mining and Milling Inc. obtained an option and drilled 482 metres in 14 holes on the Wardell vein. They dropped their option and little work has been recorded since.

Recorded production for the Cronin Mine totals 8,772 g Au, 8,170,000 g Ag, 10.4 tons Cu, 1,368 tons Pb and 1,518 tons Zn from 18,000 tons milled.

In 1986, Southern Gold Resources Ltd. retained Wright Engineers Ltd. to compile a qualifying report on the Cronin Mine Property. The property was visited in Sept, 1986 by Nells Vollo who compiled the report on the basis of his examination and a review of existing previous reports and government records.

In 1987, Southern Gold Resources Ltd. acquired an option on the property. During July and August, 1987, Southern Gold Resources Ltd. undertook an exploration program which included access road improvements, base map compilation, establishing a field grid, geological mapping, geochemical soil/talus sampling, vlf-em surveying and magnetic surveying. The geophysical data was interpreted and reported on by E. Trent Pezzot (Oct., 1987). A report summarizing the entire 1987 field program was compiled by S. P. Quin of Southern Gold Resources Ltd. (Nov., 1987).

6. GEOPHYSICAL SURVEY

A portion of the grid established last season was used for this latest survey. Lines 300W through 1400W, from station 00N through 1200N were surveyed as well as two lines, 1000N and 1200N, located to the west of the main showings. Stations were occupied at 25 metre increments along each line.

The Geonics em-37 time domain electromagnetic system, configured in the fixed loop mode was used to record twenty measurements of both the horizontal and vertical components of the secondary field decay curve at each station. Two transmitter loops were required to complete this survey. Lines 300W through 1000W inclusive were run with a 600 metre by 300 metre loop set up to the north of the grid. Lines 1000W through 1400W, 1000N and 1200N were surveyed from a 900 metre by 300 metre loop, also located to the north of the survey grid. Measurements were digitally recorded in the field and downloaded to a computer for editing, processing and display.

7. DATA PROCESSING

The data was recorded in digital format on a portable data logger and downloaded to a microcomputer each night. The data was assimilated into one data base and edited for duplicate stations and polarity reversals. The data was parsed into corrected line files for subsequent processing and plotting.

The field data is recorded in millivolts and has had some internal scaling applied in order to normalize the measurement to an acceptable plotting standard. Different scale factors have been applied to time channels 1-5, 6-10, 11-15 and 16-20. For this reason, it is a general practice to profile the data in these groupings.

A listing of the corrected field data is provided in Appendix III.

The data is presented in profile format as figures 3 through 30. In addition, both the horizontal and vertical component data for time channels 2, 4 and 8 were selected as being representative of most of the data set and are presented in stacked profile format. This display and the false colour planimetric mapping also provided, clearly illustrate the line to line correlation of the various conductive lineations.

DISCUSSION OF RESULTS

Figures 3 through 30 inclusive, present the field data in profile format, displaying all the time channels for each component on each line. Stacked profile maps of channels 2, 4 and 8, illustrating the line to line correlation of the various anomalies identified in the individual profiles, are presented as figures 31 and 32. These maps have been produced at a 1:5000 scale and displayed on a base map provided by Southern Gold Resources Ltd. in order to overlie this data with existing geological, geochemical and geophysical maps. False colour contour maps of the horizontal component data for channels 3, 10 and 13 have been bound in the text of this report to illustrate some of the trends and anomalies discussed.

The geophysical response is dominated by a strong horizontal and vertical component anomaly which strikes at 070° across the grid, centred near station 850N. This anomaly is strongest in the early time channels (figure 33) and dissipates by channel 13 (figure 35). A number of weaker anomalies lie sub-parallel to this major feature, generally to the northwest and are likely directly related. A much weaker anomaly is poorly associated with the Wardell Zone, a known sulphide body. A number of extremely weak responses were observed, primarily in the vertical component data, channels 6 through 13, along the southern portions of lines 1200W through 400W.

The major geophysical anomaly strikes at 070° across this grid, near grid position 850N. The character of the secondary em field suggests that this major feature is caused by numerous, small conductors which pinch and swell and appear to converge in the vicinity of line 600W. The anomaly is strongest between lines 900W and 400W. To the west the response broadens and diminishes suggesting these zones diverge and either dissipate or plunge to depth. To the east, the response broadens but retains its' high amplitude. These abrupt changes in the anomaly characteristics suggest discontinuities in these areas.

Plate model studies of this data indicate that the causative zone extends for 2 kilometres along strike, dips some 60° (with respect to surface topography) to grid north and extends to depth. A number of weak responses observed along this trend suggest that some of the conductive sources approach surface, as also evidenced by the vlf-em data, however the main body of the conductor appears to be buried at a depth of some 50 metres. This suggests that a main component of the conductive lineation is a structural feature, possibly a fault zone. This interpretation is supported by the previously gathered magnetic data.

A number of lithologies could explain the high conductivities observed. Graphitic layers commonly produce this type of electromagnetic signature, although none are currently mapped nor expected in this area. Alteration zones associated with the interpreted fault could also produce this anomaly, assuming clays or other such conductive alteration materials exist. Massive

sulphide mineralization, accumulated along the fault plane or within gouge zones is another possible explanation.

There are considerable variations in the strength of the secondary em field of the major conductor along its' length. This may be a result of varying interference patterns as individual conductive lenses interfinger or it may signify changes in conductivity. In the later case, higher amplitudes would signify an increase in the conductivity-thickness of the causative zones. It is most probable that these effects are caused by a combination of these conditions.

A very weak anomaly located on lines 1400W and 1300W (horizontal component, channel 3) is loosely associated with the Wardell Zone sulphide mineralization. Slightly stronger anomalies parallel this zone to the north. The weak response is likely due in part by the shielding effect of the strong conductors which lie between the primary field loop and the Wardell Zone. A more localized, fixed separation em technique would be better suited to map this trend.

The sequence of weak anomalies located on the southern ends of lines 1200W through 600W, form a northerly trending lination. This is best illustrated on the false colour contour map, figure 34, which reflects the channel 10, horizontal component data. This feature was one of the many vlf-em trends located in the area. The bulk of these trends were not evident in the em-37 data.

Two lines, 1200N and 1000N were also surveyed at this time. These lines were placed to explore an area where large, angular, rhyolite boulders, intensely bleached and stockwork pyrite veined, were discovered. No significant em-37 responses were noted on these lines.

9. CONCLUSIONS

The em-37 survey has outlined a high conductivity zone in the vicinity of the Cronin Mine. The feature is large enough to be considered a major structural feature but also exhibits increased conductivity in the vicinity of known mineralization. It is highly probable that a portion of the responses observed are directly related to the mineralization.

The geophysical responses are interpreted as indicating that a major fault has across this property to the north of the Cronin Mine. This fault strikes at 070°, dips approximately 60° to grid north and is likely cut by two later faults: one near line 400N and the other near line 1000N. A number of conductive lenses are associated with this fault. These lenses generally follow the fault but appear to converge in the vicinity of line 600W. Some of these features approach the surface but the bulk of the conductive material is buried at a depth of some 50 metres. Higher conductivity thickness are associated with the section of

the fault between lines 1000W and 400W. To the west of 1000W the conductor weakens and likely plunges to depth.

The above mentioned conductors dominate the em-37 responses. A very weak response is associated with the known sulphide mineralization in the Wardell Zone. Similiarly weak conductive lineations parallel the Wardell Zone some 100 metres northwest of it.


10. RECOMMENDATIONS

Diamond drilling is recommended to identify the source of the high conductivity em responses associated with the interpreted 070° fault. Since this feature is obviously continuous along its' strike, there is no need to drill on a grid line and logistical considerations such as road access and terrain can govern the collar locations. The top priority drill hole should be established to intersect the geophysical conductor at a depth of 50 metres beneath grid location 600W, 800N. This is the area of highest conductivity thickness mapped, is located near the edge of the rhyolite body and is along strike from the sulphide bearing Wardell Zone. A near vertical, or steeply southeasterly dipping hole, collared to the northwest of the target is recommended.

If the conductive response can be associated with sulphide mineralization, this same target should be explored for along the fault between lines 1000W and 400W. Extensions to the east and west of these locations warrant investigations at a lower priority.

A down hole em-37 survey should be considered as an adjunct to the recommended drilling program. This technique provides very useful information about the conductors both intersected by the drill hole and lying in close proximity to it.

Respectively submitted,



E. Trent Pezzot, BSc.
Geology, Geophysics

CERTIFICATION

I, E. TRENT PEZZOT, of the City of Richmond, Province of British Columbia, hereby certify as follows:

- I am a principal of Frontier Geosciences Inc., a company incorporated under the laws of the Province of British Columbia.
- The office of Frontier Geosciences Inc. is located at Suite 7 - 84 Lonsdale Ave., North Vancouver, B.C.
- I graduated from the University of British Columbia in 1974 with a BSc. degree in the combined honors Geology and Geophysics program.
- I have practiced my profession continuously from that date.
- I hold no interest, direct or indirect, in Southern Gold Resources Ltd. or any of its' affiliates, nor do I expect to receive any.
- I consent to the use of this report or the information contained within it, provide the context is not changed to alter the intended meaning, in or in connection with a Prospectus or in a Statement of Material Facts.



E. TRENT PEZZOT

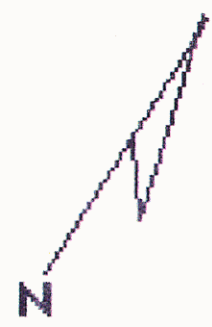
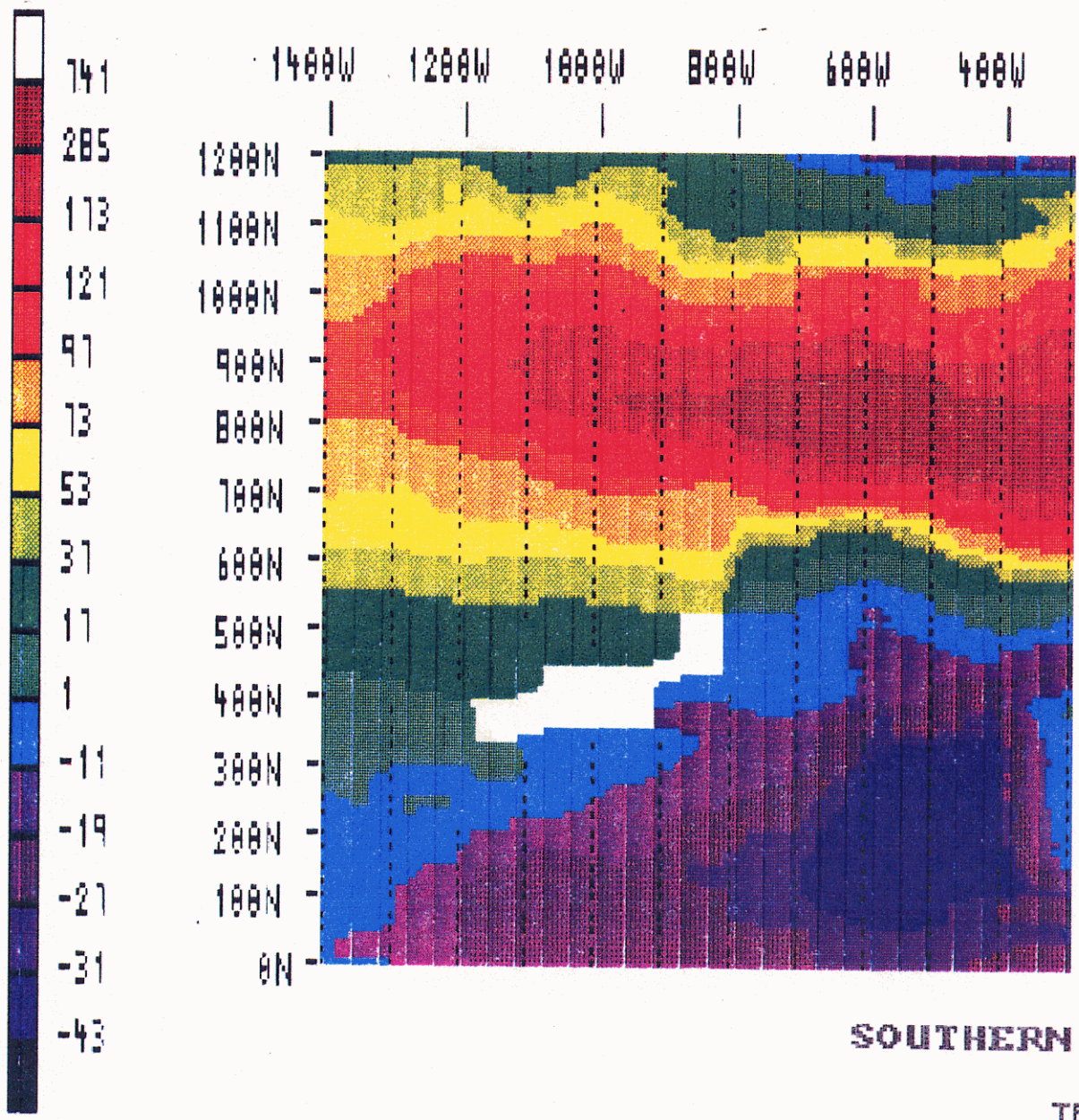
BSC. Geophysics/Geology

August 5, 1987

COST BREAKDOWN

Equipment Rental 16 days @ \$630	\$10080
Airfreight	\$ 1980
Vehicle rental	\$ 1400
Personnel 1 man @ \$450/day * 14 days	\$ 6300
Meals & accommodations	\$ 910
Field computer	\$ 750
Consumables	\$ 480
Data editing	\$ 200
Profiles 28 @ \$50	\$ 1400
Stacked profile maps 2 @ \$200	\$ 400
False colour maps 3 @ 150	\$ 450
Interpretation, report	\$ 1500
Reproduction	\$ 300
Drafting	\$ 150
Total	\$26200

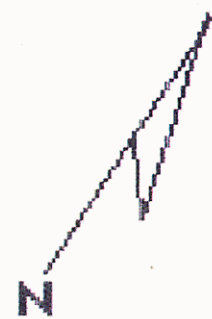
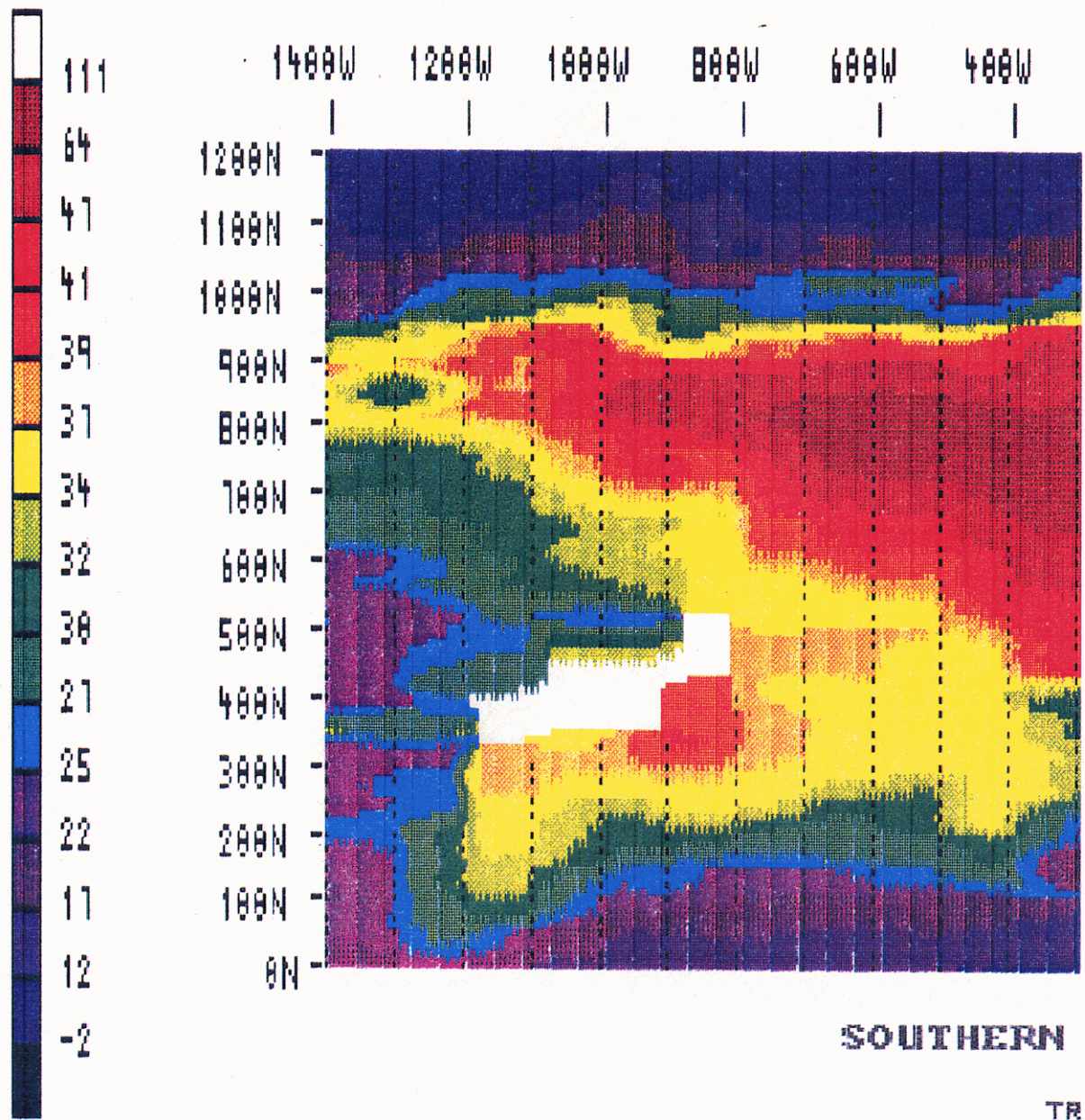
Additional costs associated with one field helper and grid preparation for this project were the responsibility of Southern Gold Resources Ltd. and are not reflected in this cost breakdown.



INSTRUMENT: GEONICS EM-37
 TIME BASE: 30 Hz

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
 TRANSIENT EM SURVEY
 HORIZONTAL COMPONENT
 CHANNEL 3
 FALSE COLOUR CONTOUR MAP

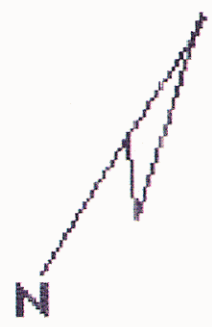
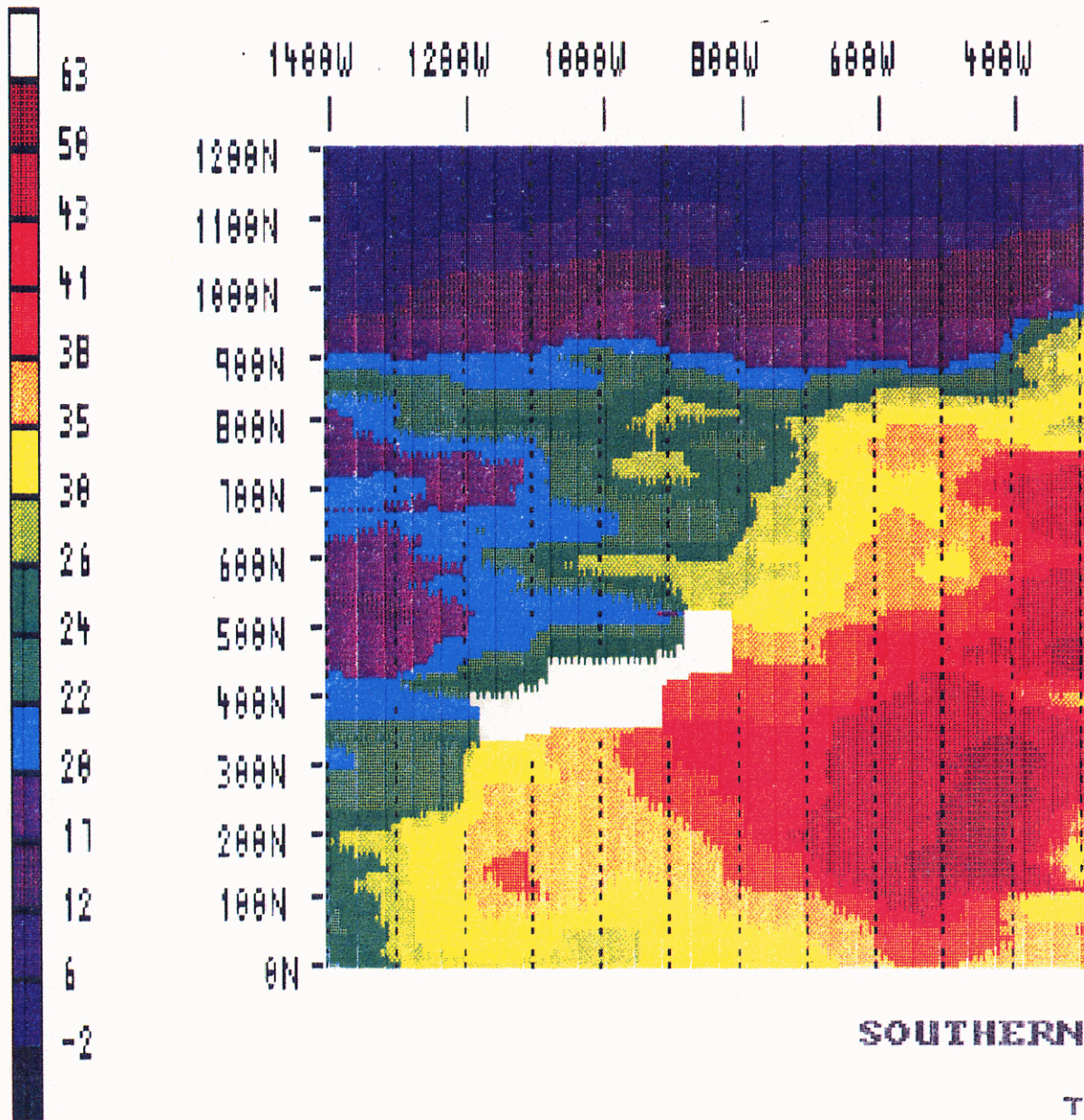
(mV)



INSTRUMENT: GEONICS EM-37
TIME BASE: 30 Hz

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
HORIZONTAL COMPONENT
CHANNEL 10
FALSE COLOUR CONTOUR MAP

(mY)



INSTRUMENT: GEDNICS EM-37
 TIME BASE: 30 Hz

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
 TRANSIENT EM SURVEY
 HORIZONTAL COMPONENT
 CHANNEL 13
 FALSE COLOUR CONTOUR MAP

(mY)

APPENDIX I

INSTRUMENT SPECIFICATIONS

GEONICS LIMITED

EM37 Ground Transient Electromagnetic System Technical Specifications

Transmitter

- Current Waveform - See Fig. 1
- Repetition rate - 3Hz or 30Hz in countries using 60Hz power line frequency; 2.5Hz or 25Hz in countries using 50Hz power line frequency; all four base frequencies are switch selectable.
- Turn-off time (Δt) - fast linear turn-off of maximum 300 μ sec. at 20 amps into 300x600m loop. Decreases proportionally with current and (loop area)^{1/2} to minimum of 20 μ sec. Actual value of Δt read on front panel meter.
- Transmitter loop - any dimensions from 40x40m to 300x600m maximum at 20 amps. Larger dimensions at reduced current. Transmitter output voltage switch adjustable for smaller loops. Value of loop resistance read from front panel meter; resistance must be greater than 1 ohm on lowest voltage setting to prevent overload.
- Transmitter protection - circuit breaker protection against input over-voltage; instantaneous solid state protection against output short circuit; automatically resets on removal of short circuit. Input voltage, output voltage and current indicated on front panel meter.
- Transmitter output voltage - 150 volts (zero to peak) maximum;
20 volts (zero to peak) minimum
- Transmitter output power - 2.8 kw maximum
- Transmitter wire supplied - 1800m. #10 copper wire PVC insulated with nylon jacket; transmitter wire contained on 6 reels (supplied); 2 reel winders supplied.
- Transmitter motor generator - 5 HP Honda gasoline engine coupled to 120 volt, 3 phase, 400Hz alternator. Approximately 8 hours continuous operation from full (built-in) fuel tank.

Receiver

- Measured quantity - time rate of decay of magnetic flux along 3 axes.
- Sensor - air-cored coil of bandwidth 40 kHz; 100cm dia. by 7x5cm cross-section. Coil holder supplied to facilitate measurement along 3 axes.
- Time channels - 20 time channels with locations and widths as shown in Fig. 2. Successive operation at 30Hz, then 3Hz, effectively gives 30 channels covering range from 80 μ sec. to 80 msec.
- Output display - 4 digit plus sign LED display; display also shows channel number and gain.
- Integration time - 2^n cycles at 30Hz; n=4,6,8,10,12,14 (switch selectable); similar integration times at other base frequencies.
- Receiver output noise referred to input - typically 1.5×10^{-10} volt/m² at last gate at 30Hz with integration time of 34 seconds. Noise will be higher during intense local spherics activity.
- Output connector - all 20 channels in analogue format and house-keeping functions in digital format available from output connector.
- Synchronization to Tx - any of the following (switch selectable)
(1) reference cable
(2) primary pulse
(3) 27 MHz radio link (40 channels)
(4) high stability (oven controlled) quartz crystals.
- Noise rejection circuitry - Selective clipping of atmospheric noise pulses at all times. Audio output of Rx coil (transmitter pulse blanked out) is available on built-in loud speaker for ready identification of interference.
- Receiver batteries - 12 volt rechargeable Gel-cell; 9 hours continuous operating time at 17°C. Two batteries and a battery charger supplied to permit charging of second battery from transmitter motor-generator during survey.

Delivered Items

EM37 Ground Transient System consists of the following delivered items:

- 1 Transmitter console
- 1 Transmitter ground power unit (GPU) consisting of motor and alternator
- 6 Reels transmitter wire
- 2 Reel winders
- 1 Receiver console including battery
- 1 Receiver coil
- 1 Receiver coil holder
- 1 Spare receiver battery
- 1 Battery charger
- 1 Set interconnecting cables
- 1 Set shipping boxes
- 2 Instruction manuals
- 1 Set of data reduction programs (written in Basic)

September, 1981

Component Dimensions

Transmitter console	25x42x36 cm
GPU	35x74x48 cm
Wirewinder	42x38x35 cm each (2 off)
Wire reels (20 amp)	33x31(dia.)cm each (6 off)
Receiver console	38x37x27 cm
Receiver coil	100 cm dia. 7x5 cm cross-section

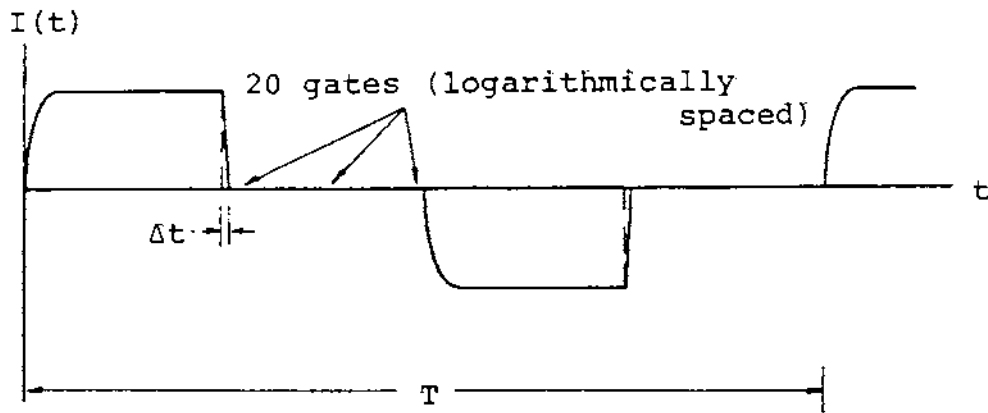
Component Weights

Transmitter console	20 kg
GPU	60 kg
Wirewinders and loaded reels (20 amp)	120 kg (total)
Receiver console (incl.20 amp-hour battery)	21.8 kg
Receiver coil	8.0 kg

Shipping Information

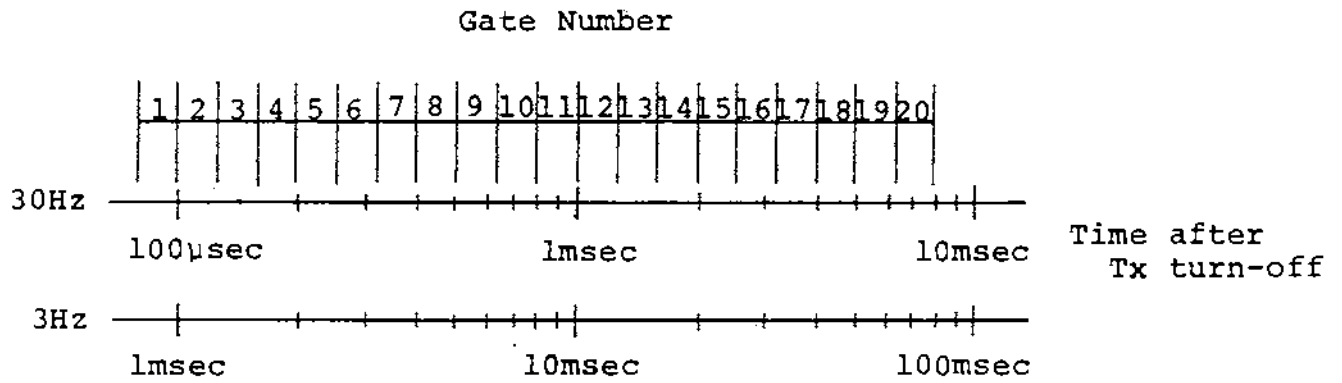
Shipment consists of 5 boxes

Two wire boxes	116x62x48 cm @ 186 kg (total)
GPU box	96x61x73 cm @ 90 kg
Receiver/transmitter box	96x75x73 cm @ 86 kg
Receiver coil/coil-holder box	110x110x20 cm @ 34 kg
Total shipping volume	1.90 cubic metres
Total shipping weight	390 kg



Transmitter Current Waveform

FIG. 1

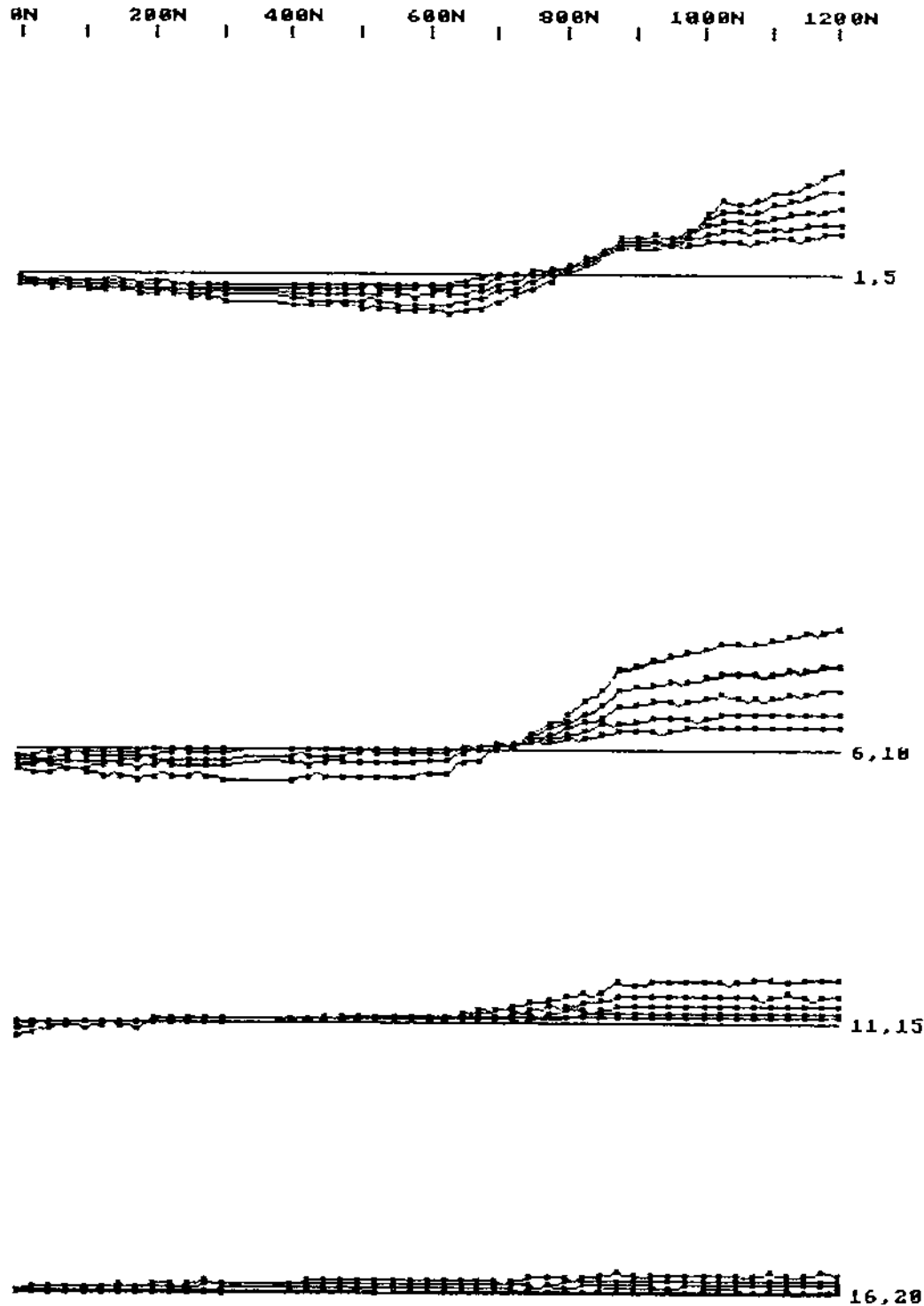


Gate Location and Widths (30 and 3Hz)

FIG. 2

APPENDIX II

DATA PROFILES

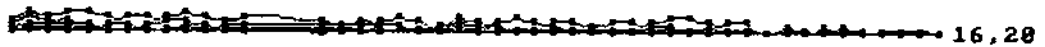
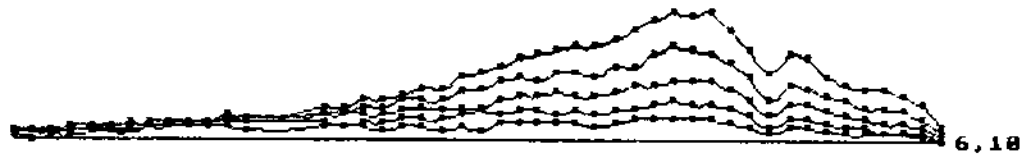


INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁻⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 VERTICAL COMPONENT (Hz)
 LINE 1400W

Fig. 3

0N | 200N | 400N | 600N | 800N | 1000N | 1200N

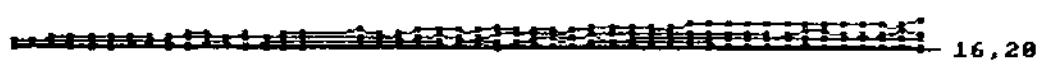
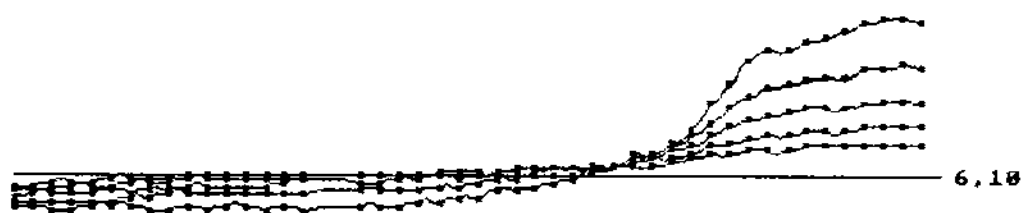
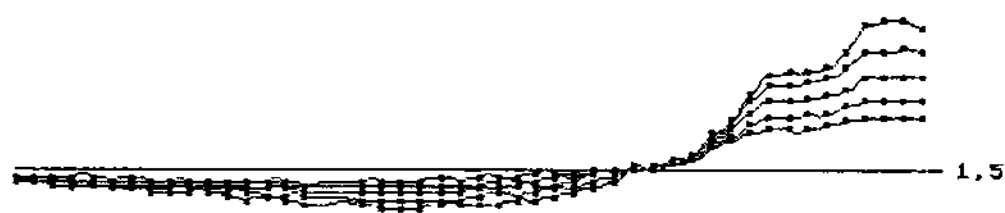


INSTRUMENT: GEONICS EM37-3
GAIN: 5
TIME BASE: 30 Hz
HORIZONTAL SCALE: 1:10000
VERTICAL SCALE: 25 mV/cm
INTEGRATION TIME: 2⁸
DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
HORIZONTAL COMPONENT (Hx)
LINE 1400W

Fig. 4

0N | 200N | 400N | 600N | 800N | 1000N | 1200N

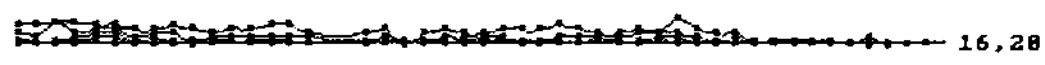
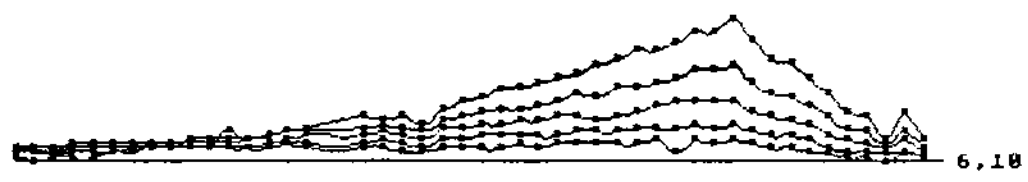
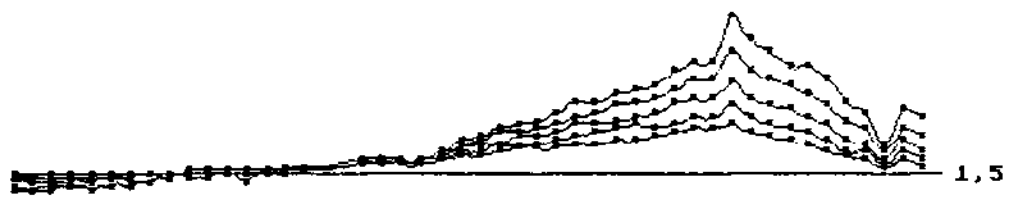


INSTRUMENT: GEONICS EM37-3
GAIN: 5
TIME BASE: 30 Hz
HORIZONTAL SCALE: 1:10000
VERTICAL SCALE: 25 mV/cm
INTEGRATION TIME: 2⁸
DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
VERTICAL COMPONENT (Hz)
LINE 1300W

Fig. 5

0N | 200N | 400N | 600N | 800N | 1000N | 1200N

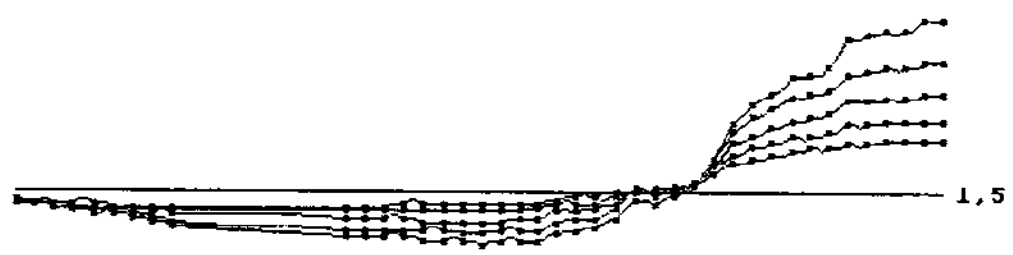


INSTRUMENT: GEONICS EM37-3
GAIN: 5
TIME BASE: 30 Hz
HORIZONTAL SCALE: 1:10000
VERTICAL SCALE: 25 mV/cm
INTEGRATION TIME: 2⁸
DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
HORIZONTAL COMPONENT (Hx)
LINE 1300W

Fig. 6

0N | 200N | 400N | 600N | 800N | 1000N | 1200N

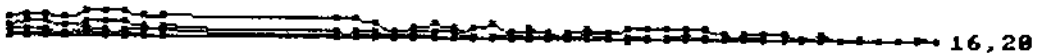
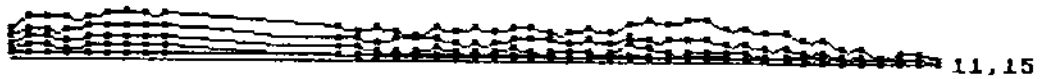
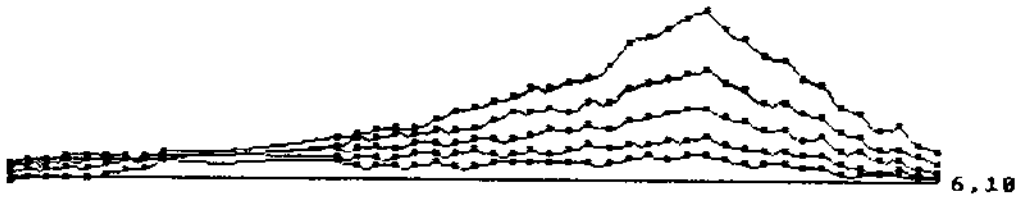
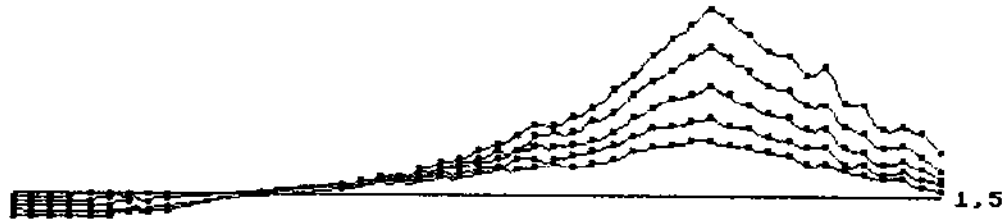


INSTRUMENT: GEONICS EM37-3
GAIN: 5
TIME BASE: 30 Hz
HORIZONTAL SCALE: 1:10000
VERTICAL SCALE: 25 mV/cm
INTEGRATION TIME: 2⁸
DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
VERTICAL COMPONENT (Hz)
LINE 1200W

Fig. 7

0N | 200N | 400N | 600N | 800N | 1000N | 1200N

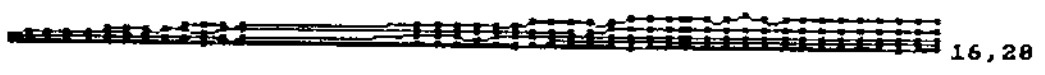
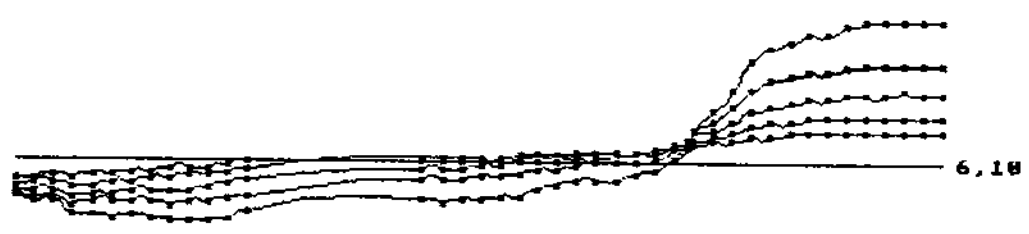
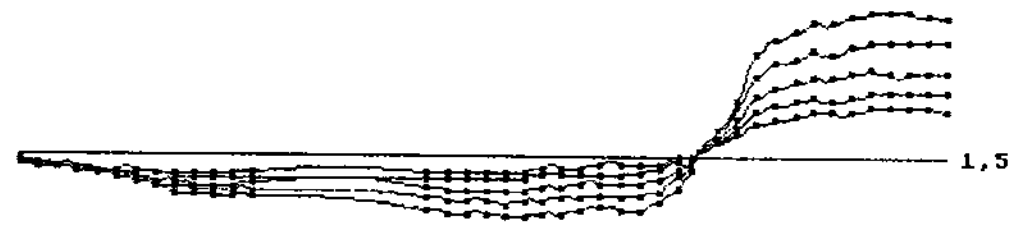


INSTRUMENT: GEONICS EM37-3
GAIN: 5
TIME BASE: 30 Hz
HORIZONTAL SCALE: 1:10000
VERTICAL SCALE: 25 mV/cm
INTEGRATION TIME: 2⁸
DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
HORIZONTAL COMPONENT (Hx)
LINE 1200W

Fig. 8

0N 200N 400N 600N 800N 1000N 1200N

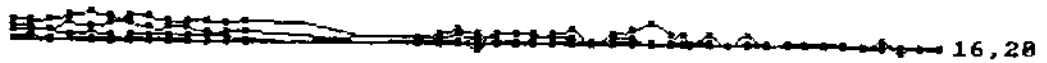
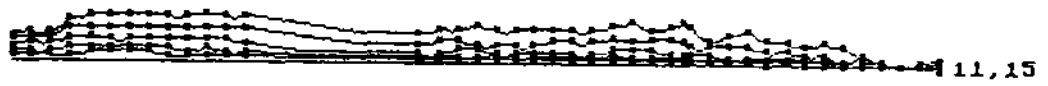
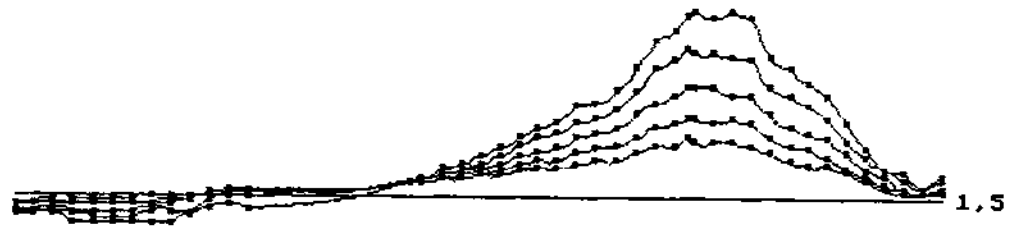


INSTRUMENT: GEONICS EM37-3
GAIN: 5
TIME BASE: 30 Hz
HORIZONTAL SCALE: 1:10000
VERTICAL SCALE: 25 mV/cm
INTEGRATION TIME: 2⁸
DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
VERTICAL COMPONENT (Hz)
LINE 1100W

Fig. 9

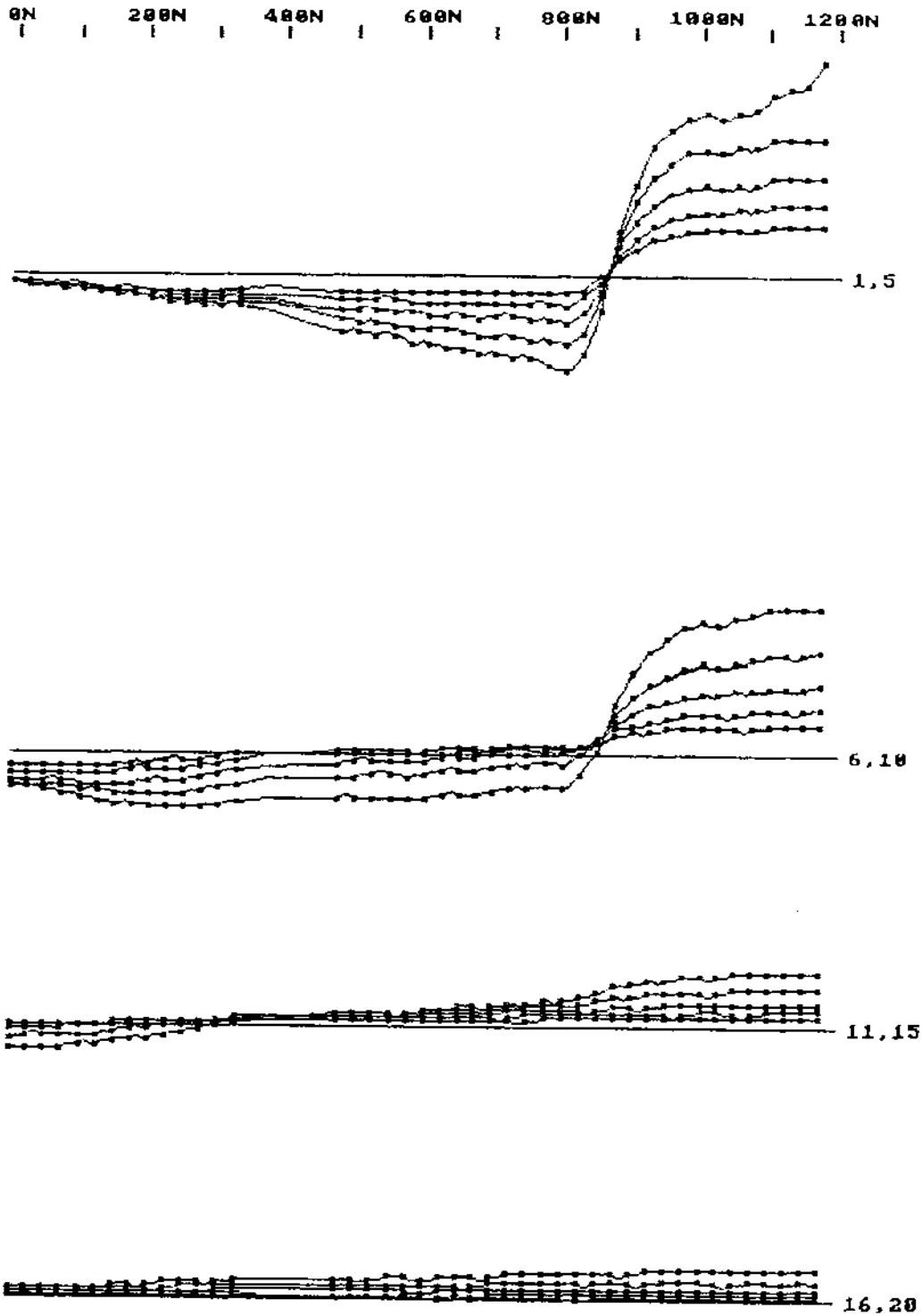
0N 200N 400N 600N 800N 1000N 1200N



INSTRUMENT: GEONICS EM37-3
GAIN: 5
TIME BASE: 30 Hz
HORIZONTAL SCALE: 1:10000
VERTICAL SCALE: 25 mV/cm
INTEGRATION TIME: 2⁸
DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
HORIZONTAL COMPONENT (Hx)
LINE 1100W

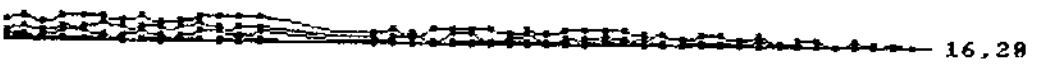
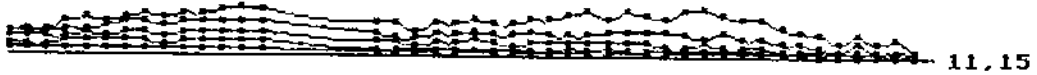
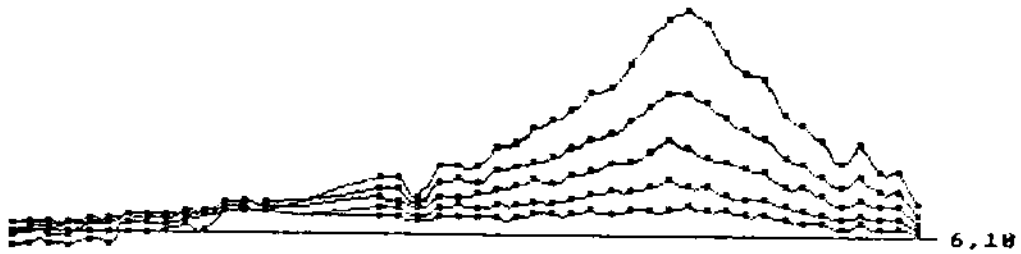
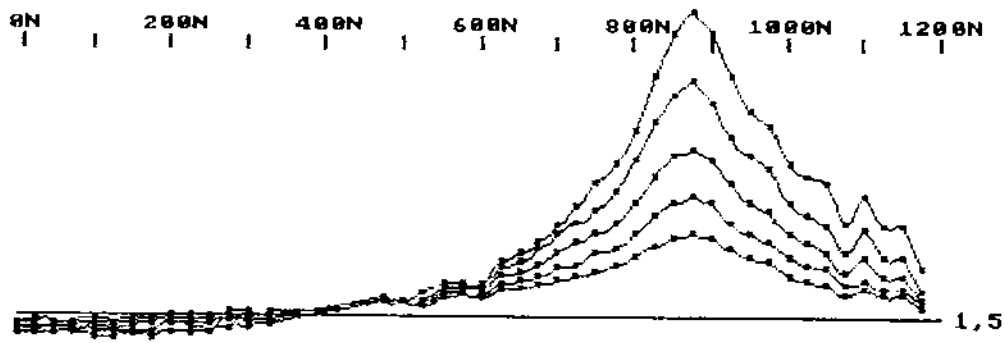
Fig. 10



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 VERTICAL COMPONENT (Hz)
 LINE 1000W

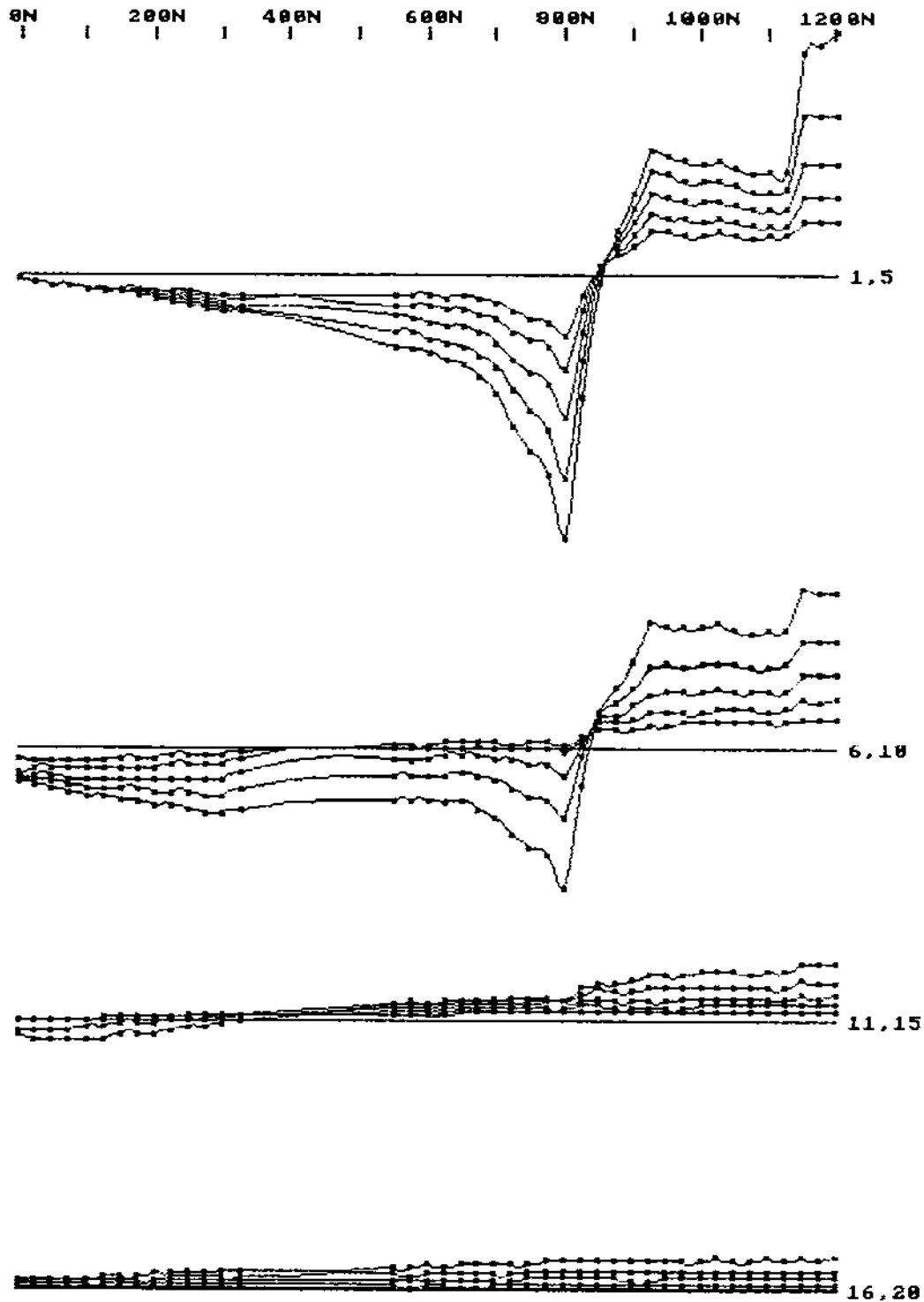
Fig. 11



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 HORIZONTAL COMPONENT (Hx)
 LINE 1000W

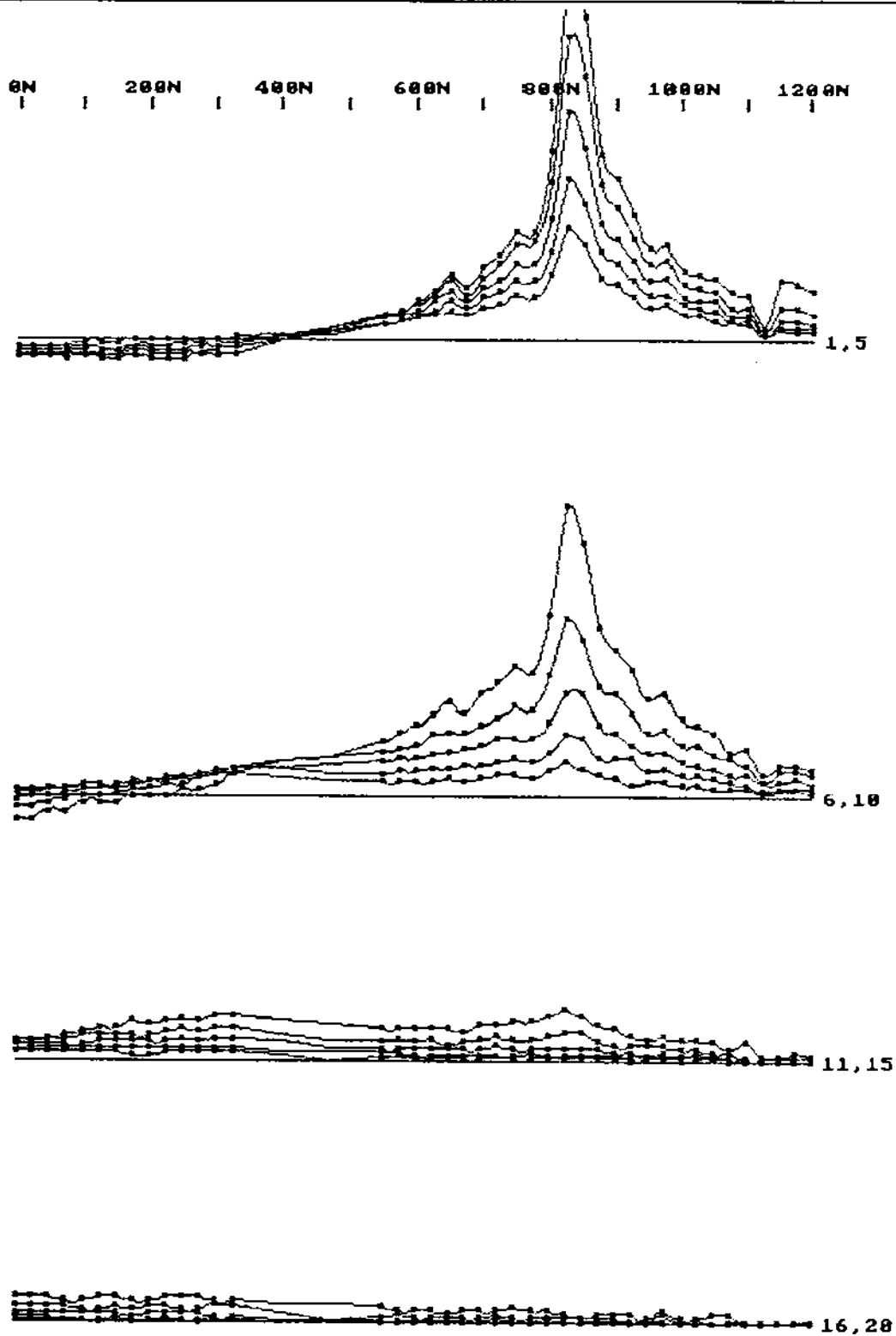
Fig. 12



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁻⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 VERTICAL COMPONENT (Hz)
 LINE 900W

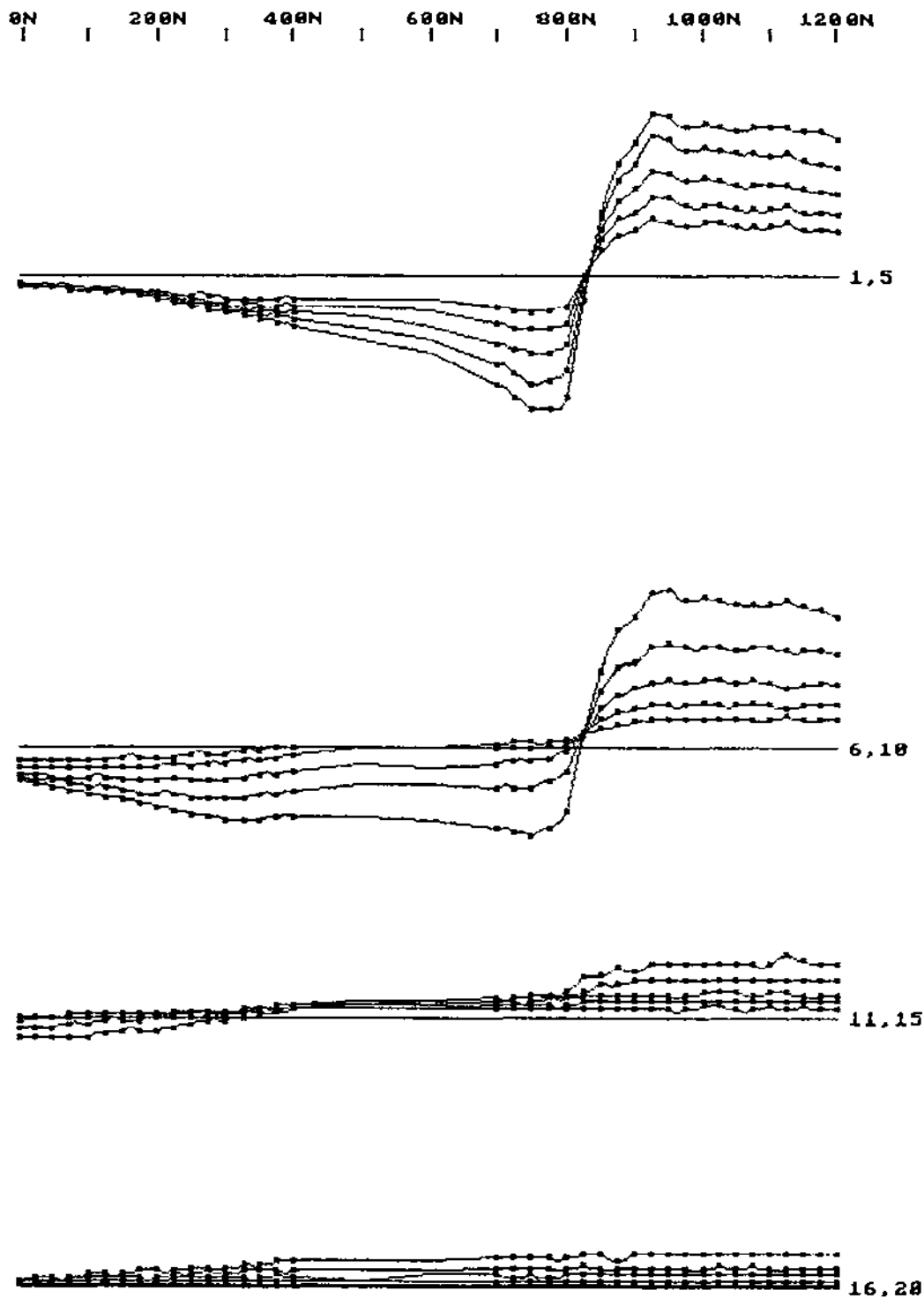
Fig. 13



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 HORIZONTAL COMPONENT (Hx)
 LINE 900W

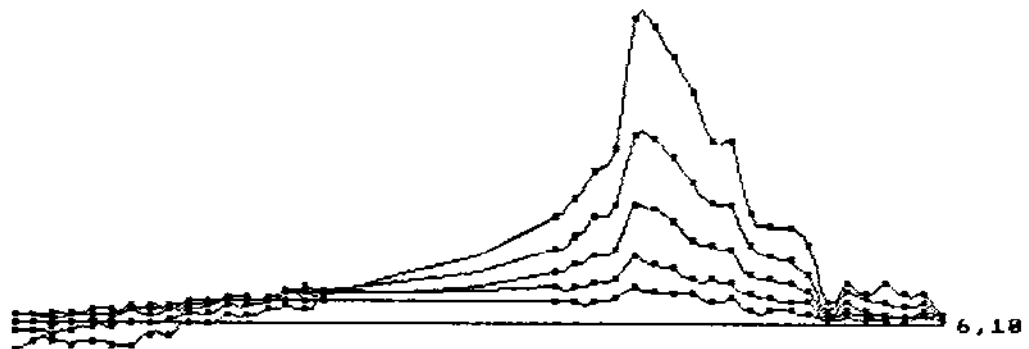
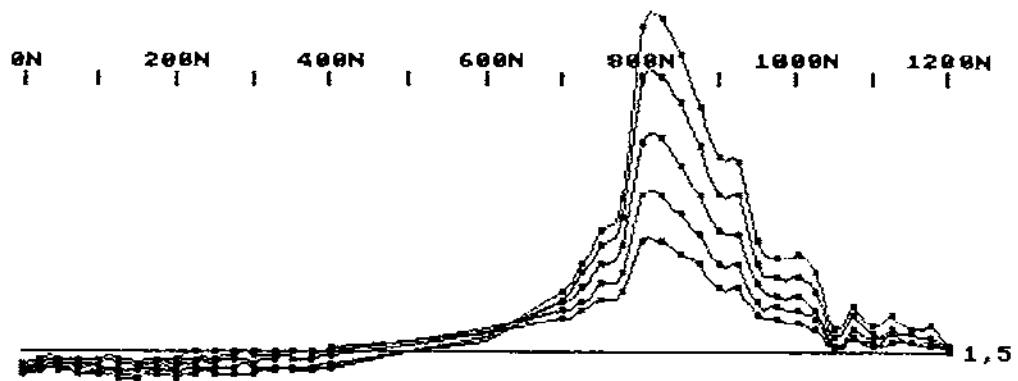
Fig. 14



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁻⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 VERTICAL COMPONENT (Hz)
 LINE 800W

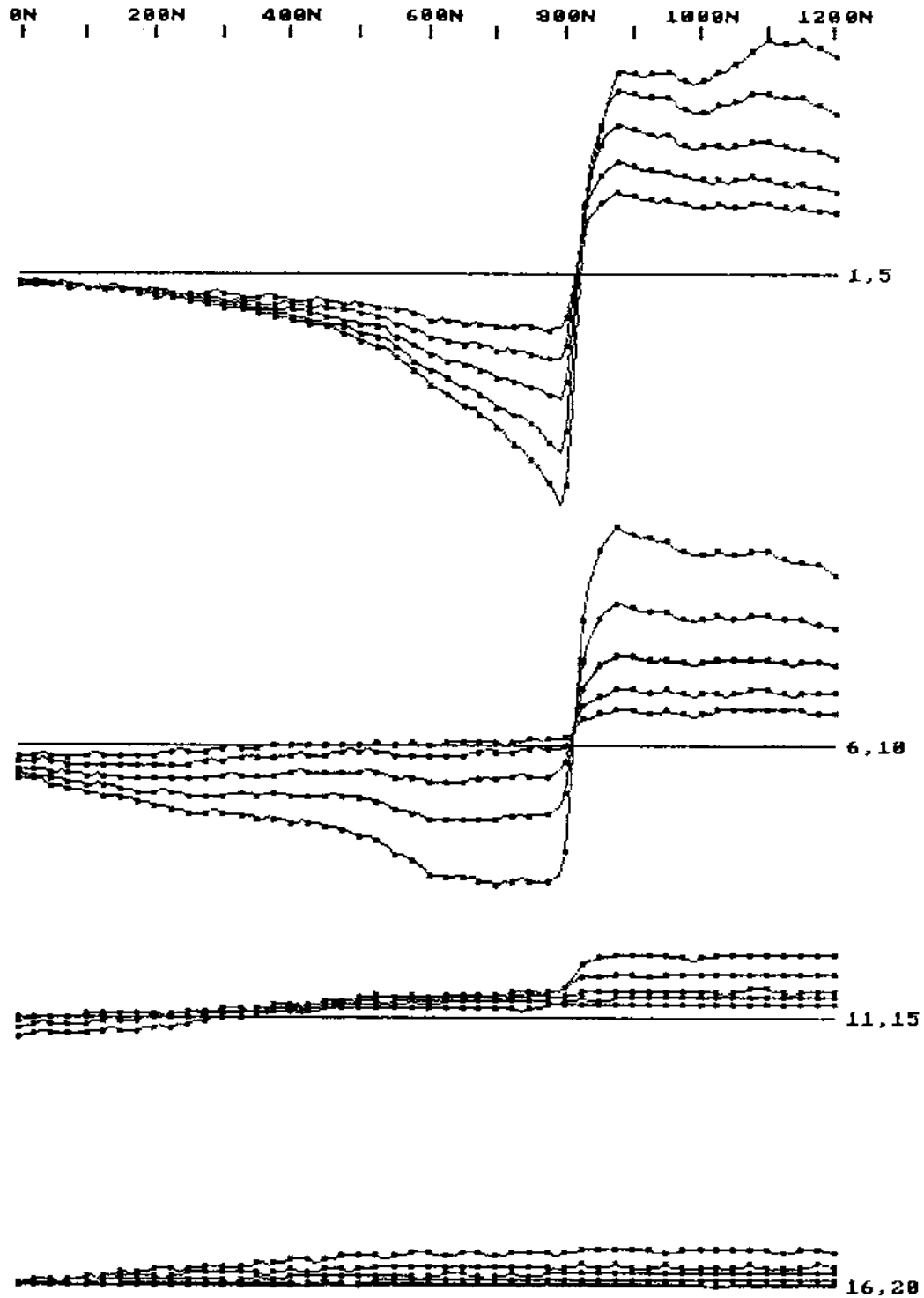
Fig. 15



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁻⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 HORIZONTAL COMPONENT (Hx)
 LINE 800W

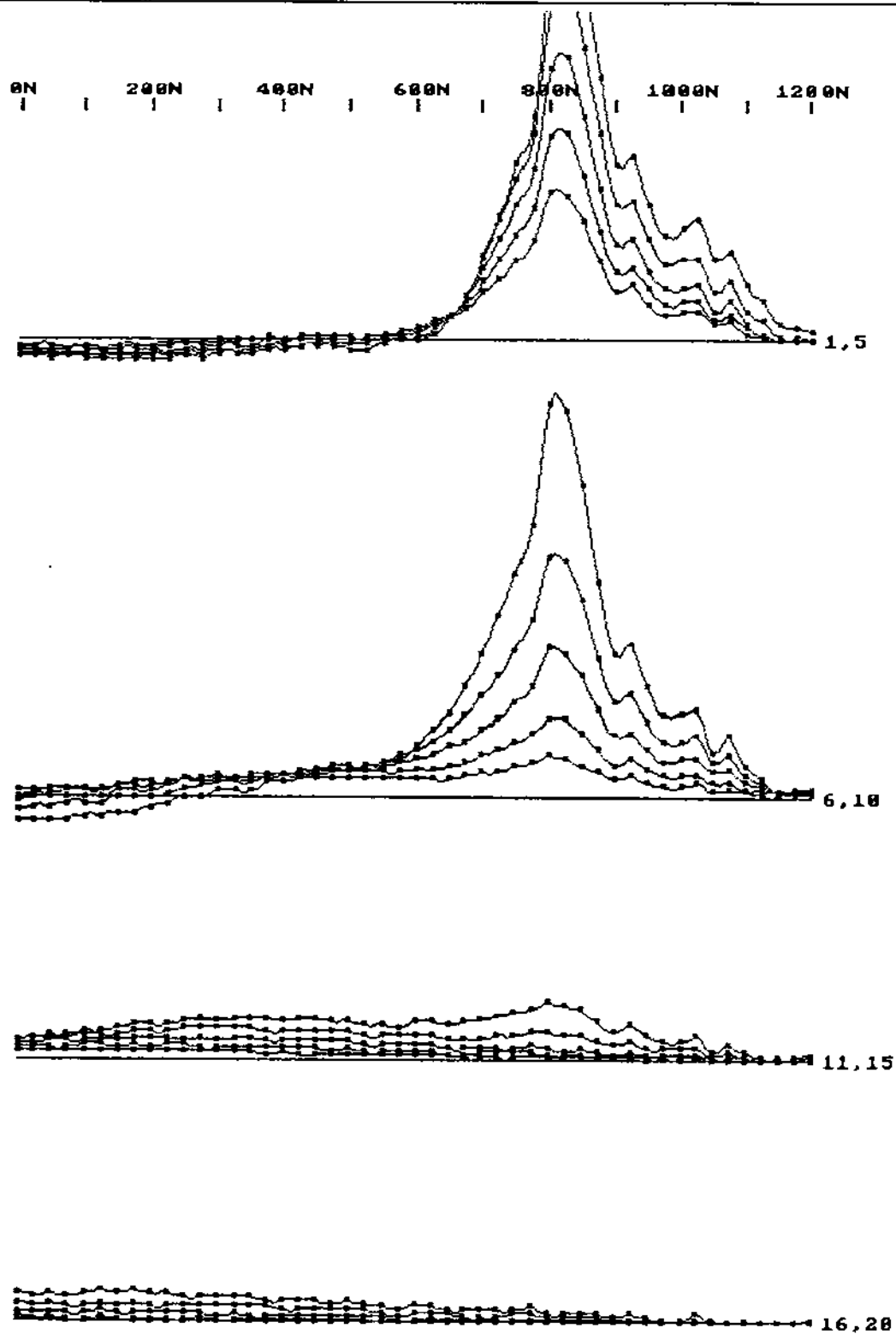
Fig. 16



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 VERTICAL COMPONENT (Hz)
 LINE 700W

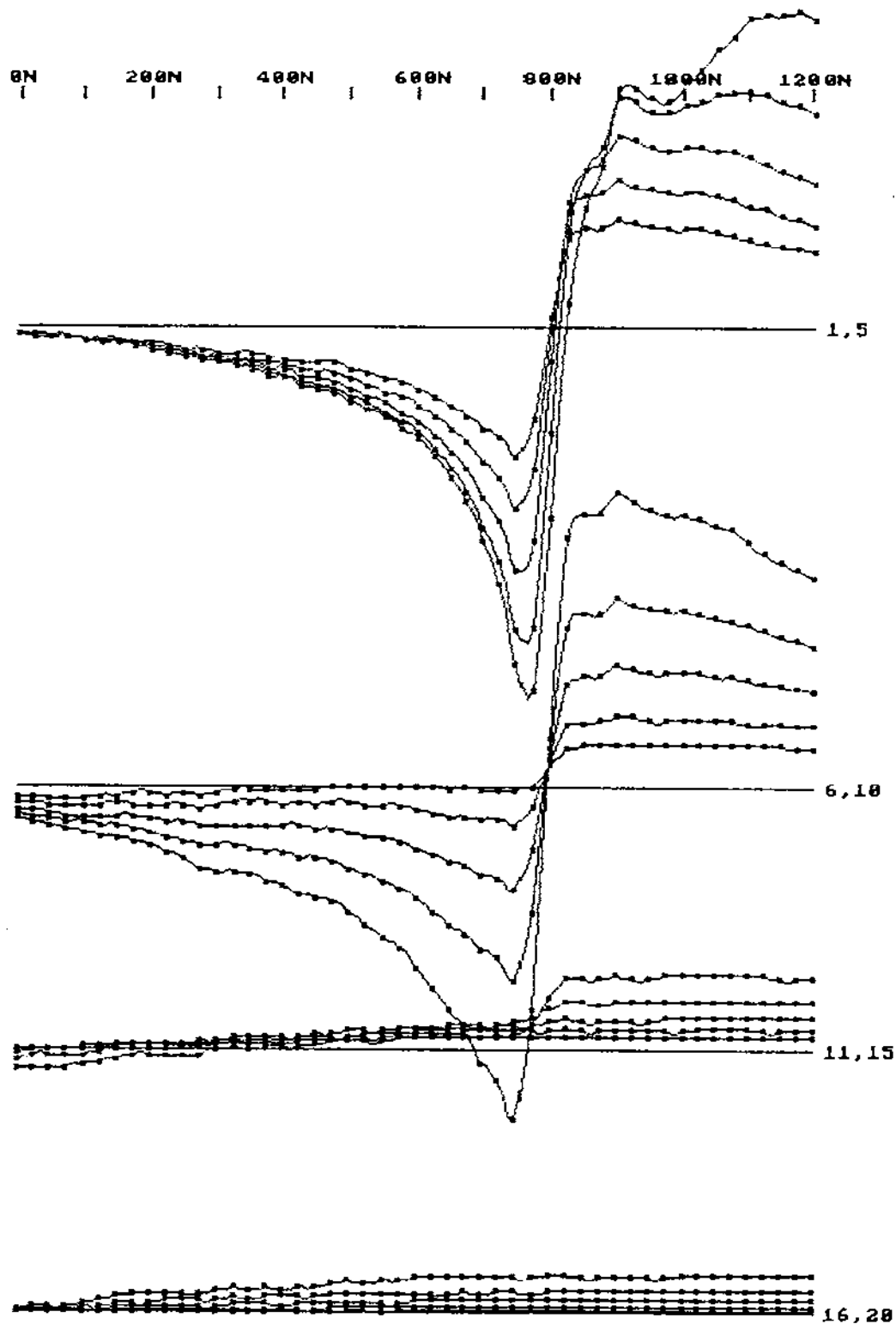
Fig. 17



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 HORIZONTAL COMPONENT (Hx)
 LINE 700W

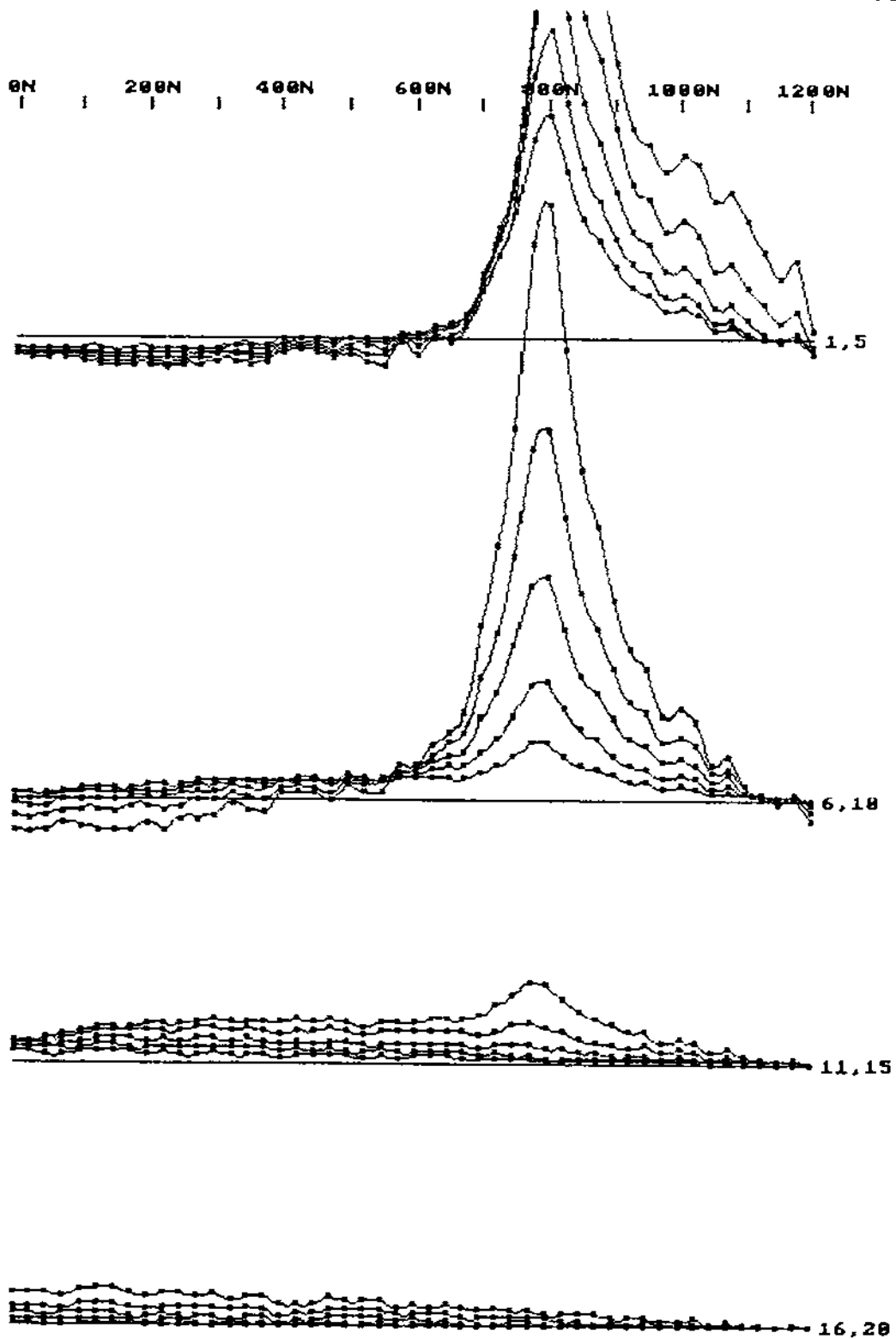
Fig. 18



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁻⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 VERTICAL COMPONENT (Hz)
 LINE 600W

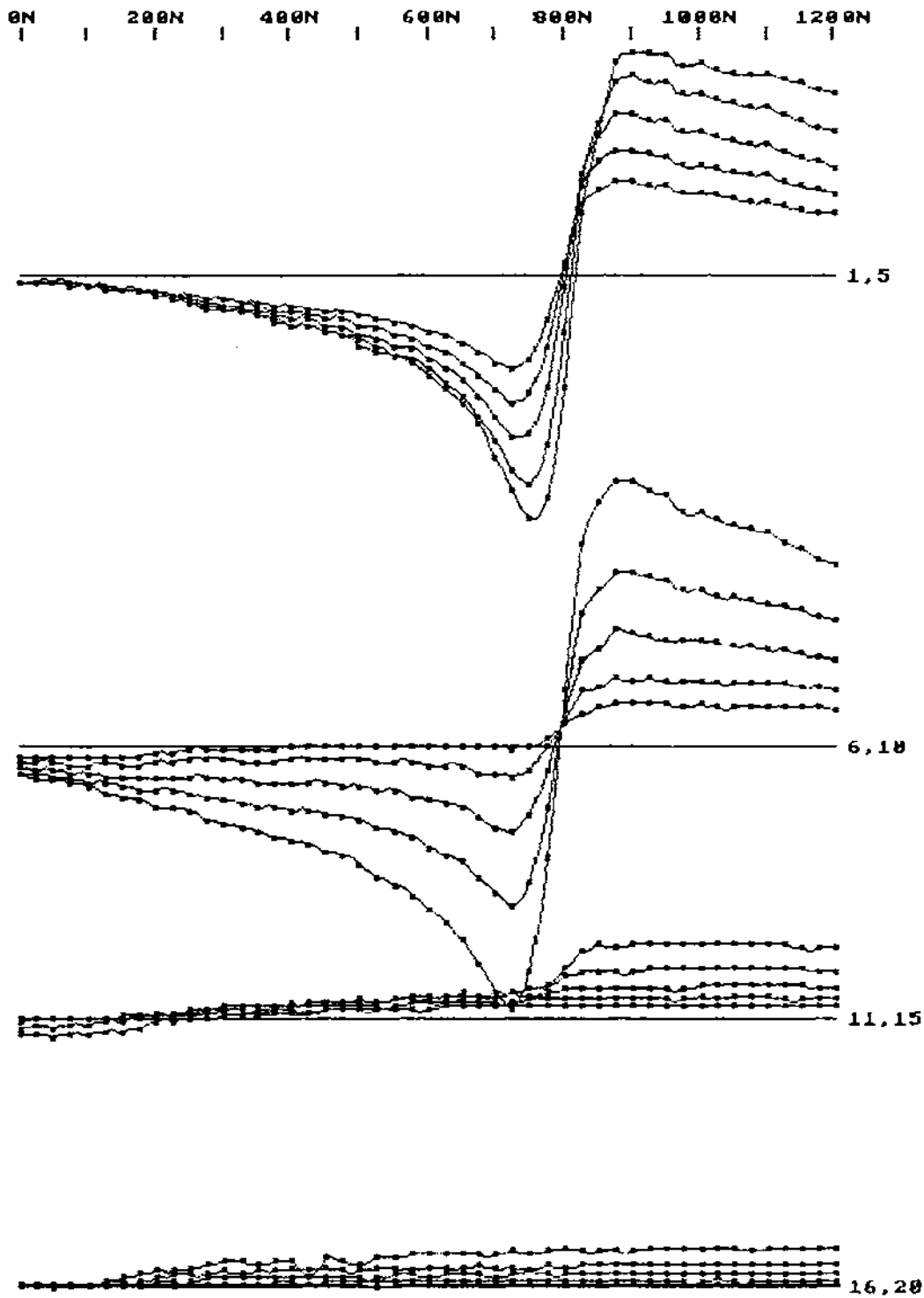
Fig. 19



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁻⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 HORIZONTAL COMPONENT (Hx)
 LINE 600W

Fig. 20



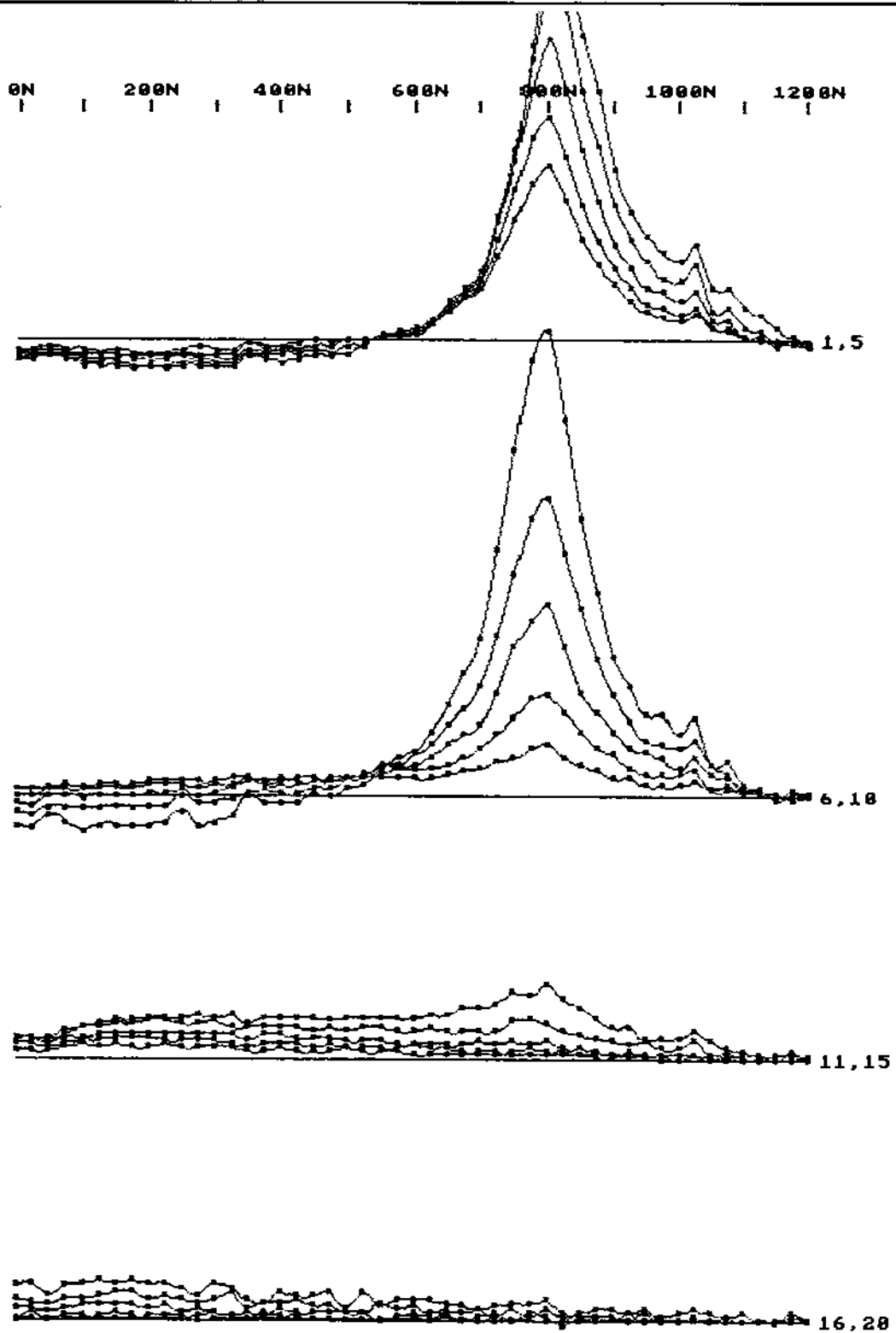
INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.

CRONIN MINE
 TRANSIENT EM SURVEY
 VERTICAL COMPONENT (Hz)

LINE 500W

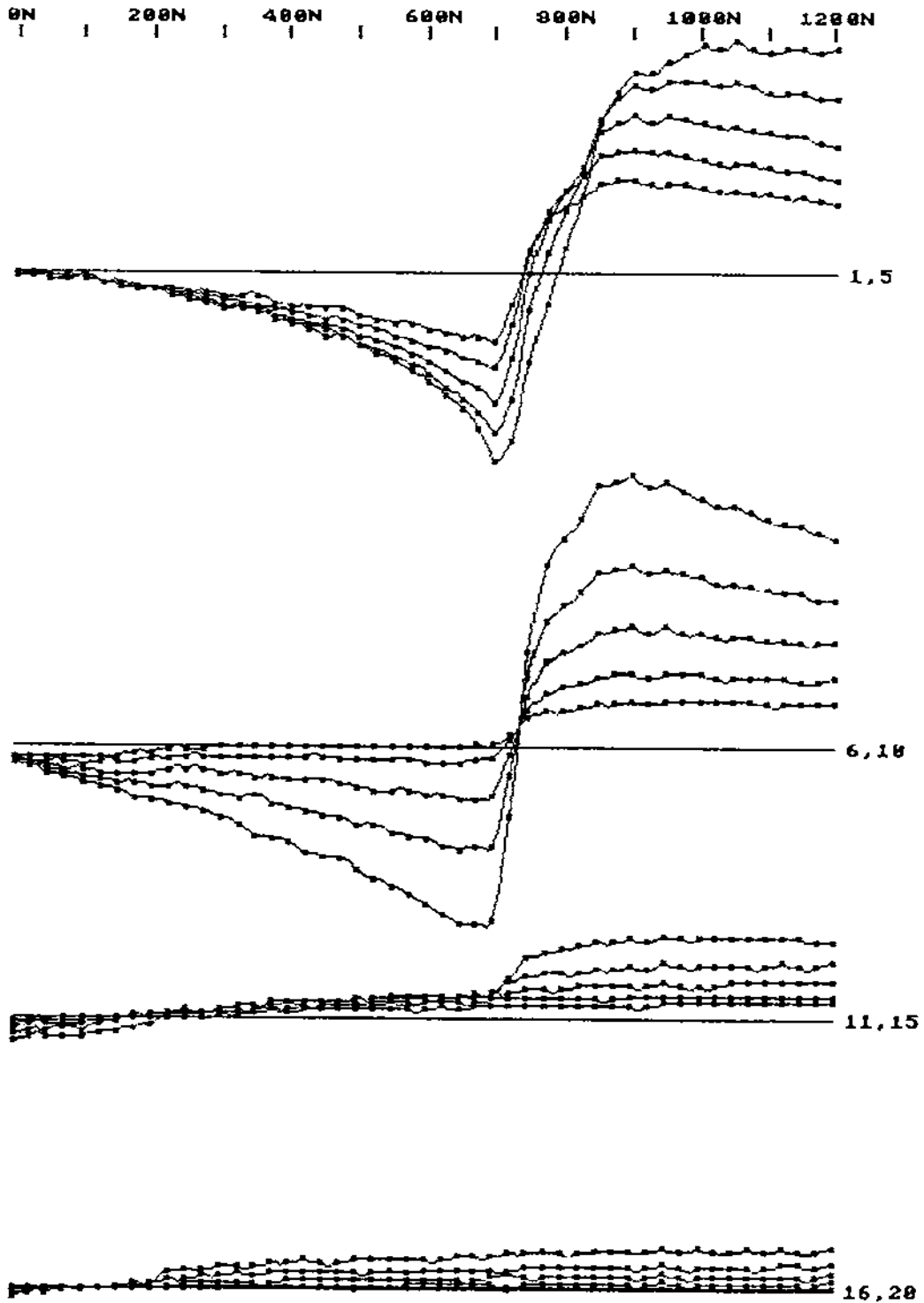
Fig. 21



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1: 100
 VERTICAL SCALE: 25 mV/ch.
 INTEGRATION TIME: 2⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 HORIZONTAL COMPONENT (Hx)
 LINE 500W

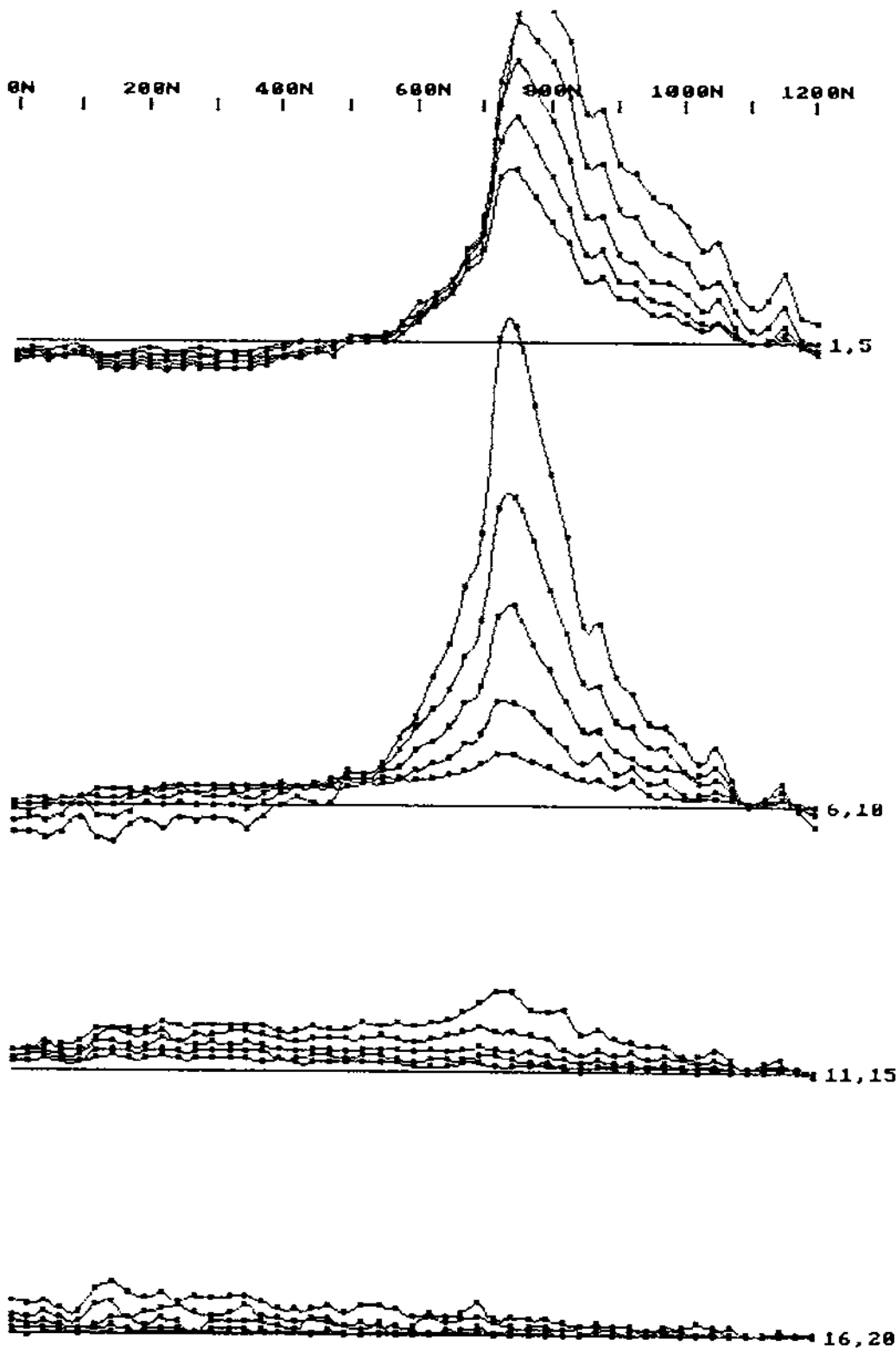
Fig. 22



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 VERTICAL COMPONENT (Hz)
 LINE 400W

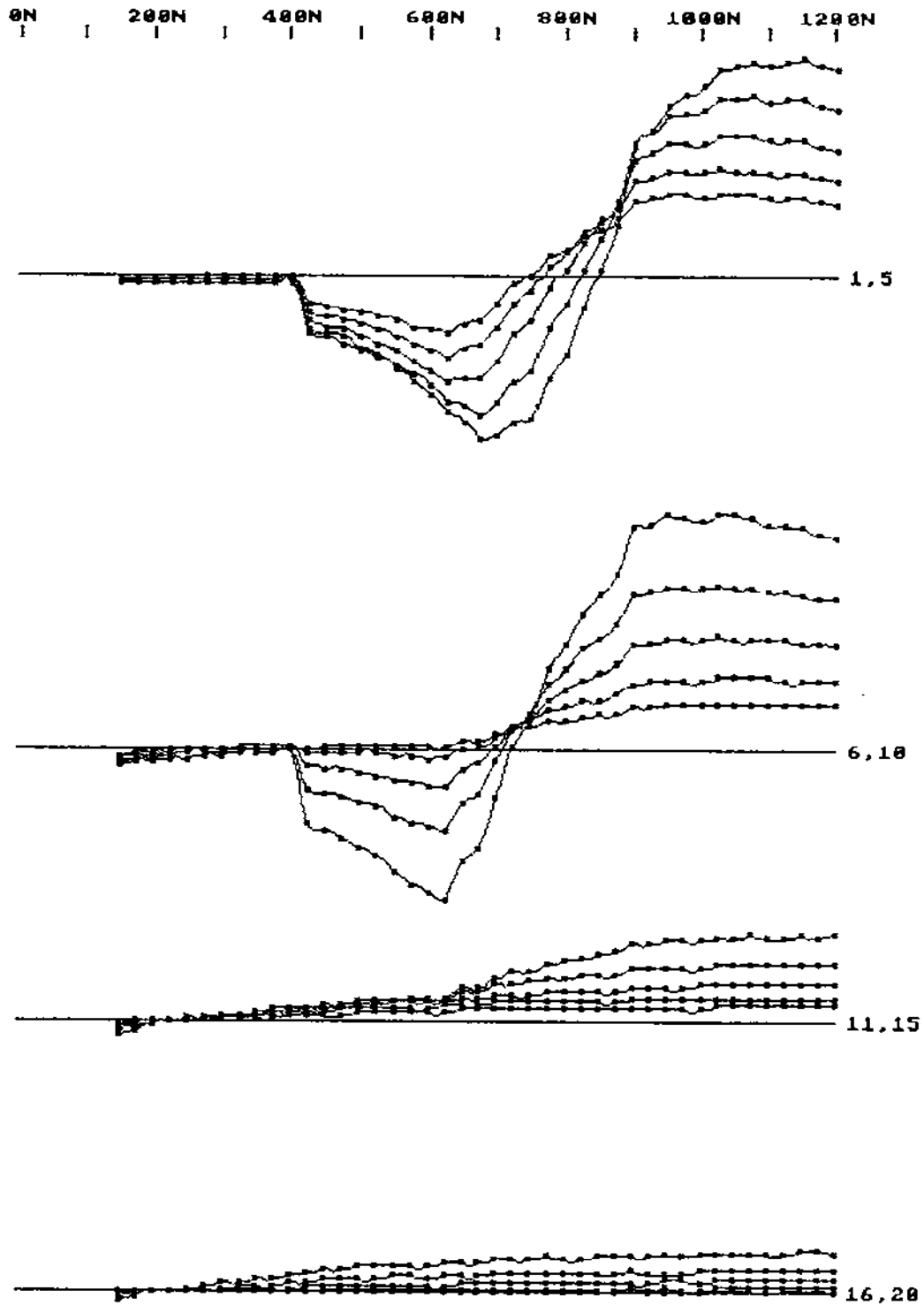
Fig. 23



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1: 10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 HORIZONTAL COMPONENT (Hx)
 LINE 400W

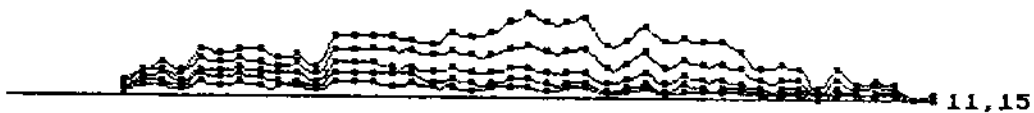
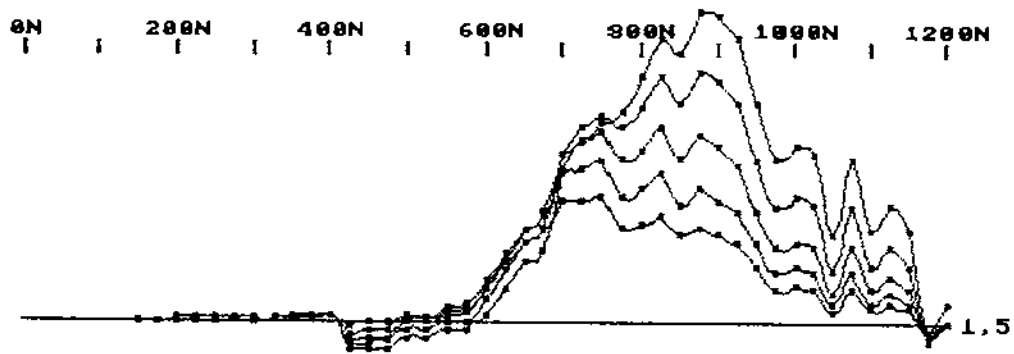
Fig. 24



INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁻⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 VERTICAL COMPONENT (Hz)
 LINE 300W

Fig. 25

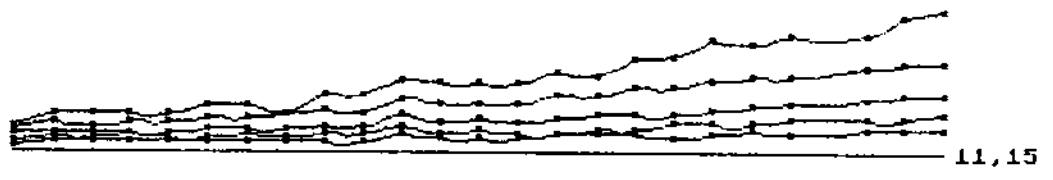
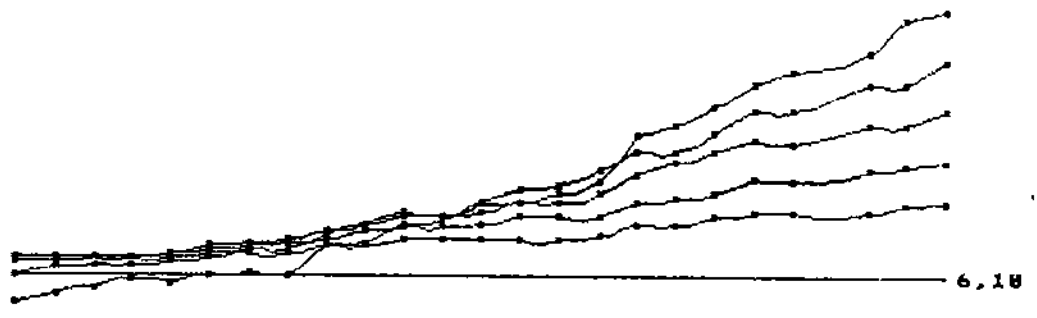
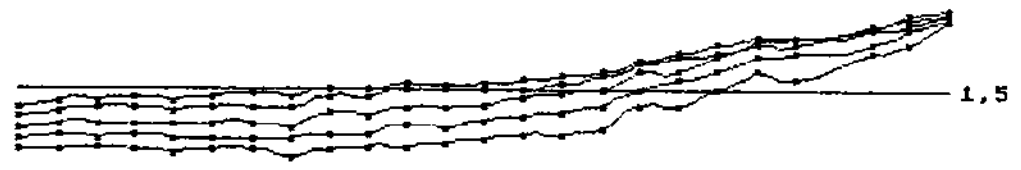


INSTRUMENT: GEONICS EM37-3
 GAIN: 5
 TIME BASE: 30 Hz
 HORIZONTAL SCALE: 1:10000
 VERTICAL SCALE: 25 mV/cm
 INTEGRATION TIME: 2⁸
 DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
 CRONIN MINE
 TRANSIENT EM SURVEY
 HORIZONTAL COMPONENT (Hx)
 LINE 300W

Fig. 26

2400W 2300W 2200W 2100W 2000W 1900W 1800W
| | | | | | |

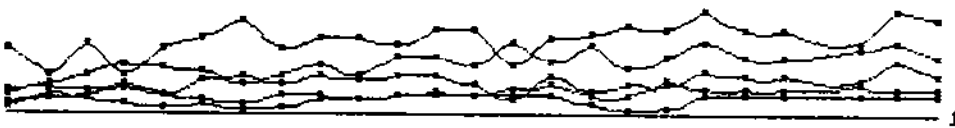
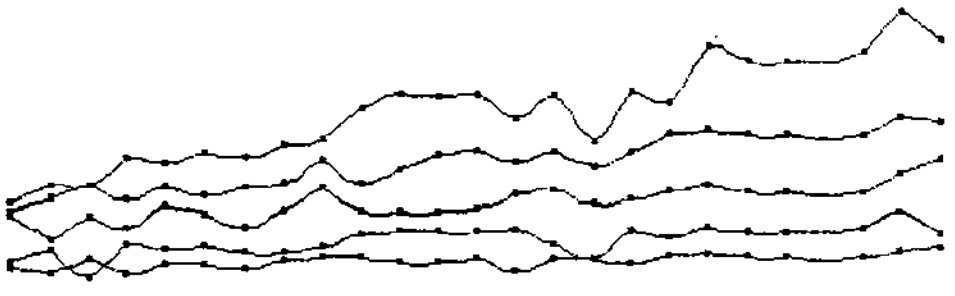


INSTRUMENT: GEONICS EM37-3
GAIN: 5
TIME BASE: 30 Hz
HORIZONTAL SCALE: 1: 5000
VERTICAL SCALE: 10 mV/cm
INTEGRATION TIME: 2⁸
DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
VERTICAL COMPONENT (Hz)
LINE 1200N

Fig. 27

2400W 2300W 2200W 2100W 2000W 1900W 1800W
| | | | | | |

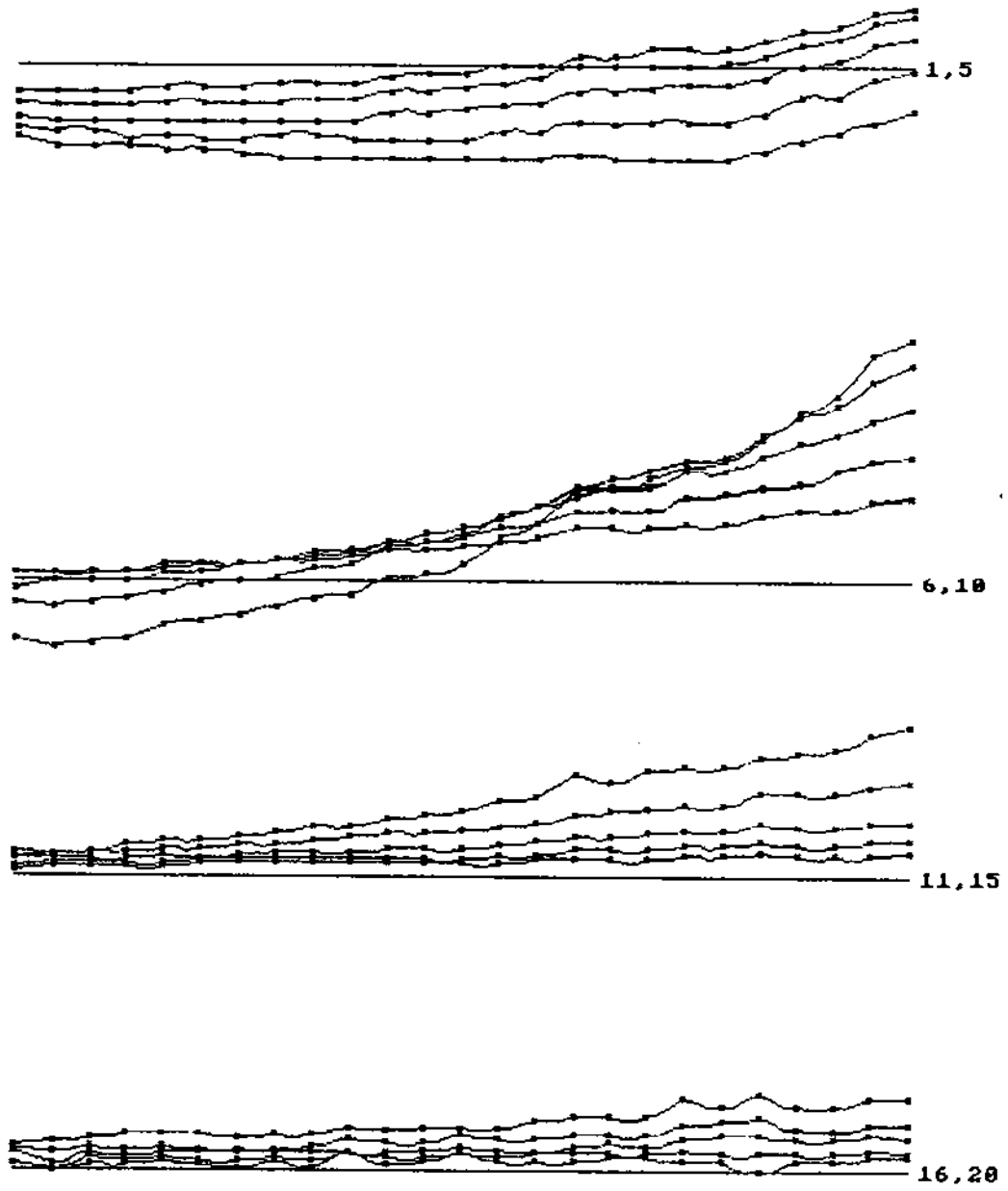


INSTRUMENT: GEONICS EM37-3
GAIN: 5
TIME BASE: 30 Hz
HORIZONTAL SCALE: 1: 5000
VERTICAL SCALE: 10 mV/cm
INTEGRATION TIME: 2⁻⁸
DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
HORIZONTAL COMPONENT (Hx)
LINE 1200N

Fig. 28

2400W 2300W 2200W 2100W 2000W 1900W 1800W

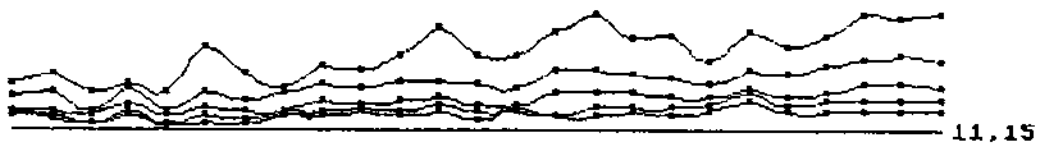
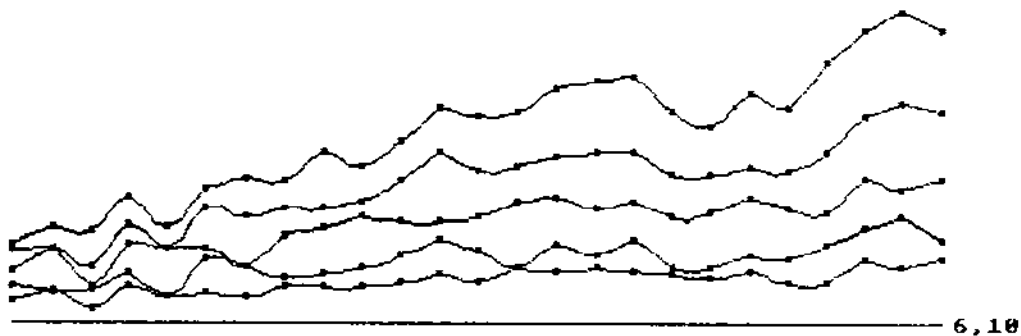
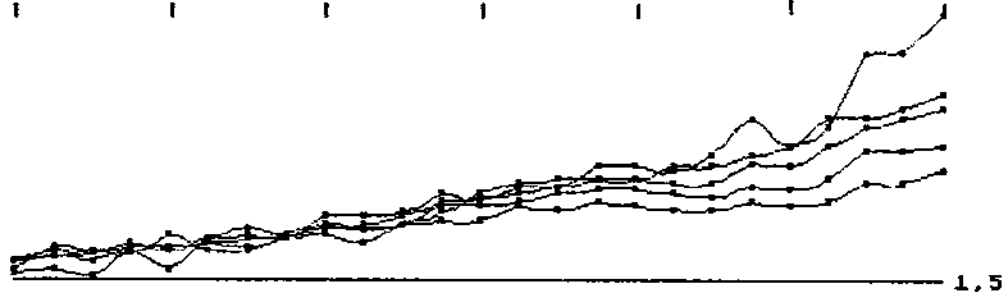


INSTRUMENT: GEONICS EM37-3
GAIN: 5
TIME BASE: 30 Hz
HORIZONTAL SCALE: 1:5000
VERTICAL SCALE: 10 mV/cm
INTEGRATION TIME: 2⁸
DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
VERTICAL COMPONENT (Hz)
LINE 1000N

Fig. 29

2400H 2300H 2200H 2100H 2000H 1900H 1800H



INSTRUMENT: GEONICS EM37-3
GAIN: 5
TIME BASE: 30 Hz
HORIZONTAL SCALE: 1: 5000
VERTICAL SCALE: 10 mV/cm
INTEGRATION TIME: 2⁸
DATE: JUNE, 1988

SOUTHERN GOLD RESOURCES LTD.
CRONIN MINE
TRANSIENT EM SURVEY
HORIZONTAL COMPONENT (Hx)
LINE 1000N

Fig. 30

APPENDIX III

DATA LISTING

SOUTHERN GOLD RESOURCES LTD. CROSBY HIRE PROPERTY
 EM-37 Survey

Line	Station	Component	Operator	Frequency	Gain	Polarity	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
3W 1200 Z		OPR	H 5	+																						
-533	370	298	227	172	131	383	270	189	127	86	156	106	70	47	31	77	45	25	13							
3W 1200 X		OPR	H 5	+																						
29	30	5	-4	-4	-4	-3	3	5	4	4	8	8	3	3	2	6	4	5	2	2						
3W 1175 Z		OPR	H 5	+																						
-438	375	303	232	176	134	389	275	193	129	87	155	106	70	46	31	78	46	26	13							
3W 1175 X		OPR	H 5	+																						
76	-18	-28	-30	-23	-16	-41	-21	-10	-5	-2	-3	-1	-1	0	-1	2	1	0	2	2						
3W 1150 Z		OPR	H 5	+																						
-368	386	313	240	181	138	399	280	195	131	88	157	107	70	47	31	79	46	27	14							
3W 1150 X		OPR	H 5	+																						
-28	147	90	55	35	25	68	49	33	23	16	29	19	13	10	7	19	12	8	6	2						
3W 1125 Z		OPR	H 5	+																						
-314	380	313	241	183	139	403	283	198	131	87	155	107	70	46	31	77	45	26	12							
3W 1125 X		OPR	H 5	+																						
-40	189	124	75	49	35	97	69	49	33	20	34	25	17	11	7	20	13	8	6	2						
3W 1100 Z		OPR	H 5	+																						
-255	375	311	242	184	140	406	285	199	132	87	155	106	70	46	31	77	44	26	13							
3W 1100 X		OPR	H 5	+																						
-30	149	93	54	34	24	67	52	37	26	15	26	19	12	7	6	14	11	6	3	1						
3W 1075 Z		OPR	H 5	+																						
-231	382	319	249	190	145	417	292	203	134	88	156	107	70	47	31	77	46	27	13							
3W 1075 X		OPR	H 5	+																						
-55	261	181	120	82	57	156	104	71	44	30	49	35	22	15	11	27	19	11	8	1						
3W 1050 Z		OPR	H 5	+																						
-183	372	316	250	191	146	420	292	202	133	88	155	105	69	46	31	76	45	26	13							
3W 1050 X		OPR	H 5	+																						
-10	139	85	49	30	20	58	40	27	21	11	21	14	9	5	3	10	3	5	2	0						
3W 1025 Z		OPR	H 5	+																						
-162	370	316	250	192	147	422	295	204	133	87	153	104	68	45	30	76	44	25	12							
3W 1025 X		OPR	H 5	+																						
-29	264	187	122	82	58	160	110	75	48	30	51	33	21	15	9	27	16	9	4	2						
3W 1000 Z		OPR	H 5	+																						
-135	339	297	239	186	143	413	288	199	130	85	149	101	66	43	29	72	42	23	11							
3W 1000 X		OPR	H 5	+																						
-53	280	198	128	90	62	174	118	80	51	29	54	33	22	14	8	24	16	9	5	3						
3W 975 Z		OPR	H 5	+																						
-127	319	288	238	187	144	417	289	198	129	84	147	100	65	43	29	71	41	24	11							
3W 975 X		OPR	H 5	+																						
-35	262	185	121	81	59	163	112	77	48	31	50	32	18	12	7	21	12	5	4	1						
3W 950 Z		OPR	H 5	+																						
-102	304	282	236	188	145	421	292	200	130	85	147	100	65	43	29	73	41	24	12							
3W 950 X		OPR	H 5	+																						
-38	343	256	179	126	91	254	174	117	75	44	73	48	29	18	12	29	19	10	6	3						
3W 925 Z		OPR	H 5	+																						
-103	262	254	219	178	140	407	283	194	126	82	143	97	63	42	28	70	41	23	11							
3W 925 X		OPR	H 5	+																						
-50	444	347	249	177	127	348	231	152	93	55	90	58	35	22	16	39	24	15	8	3						

SOUTHERN GOLD RESOURCES LTD. CROWIN MINE PROPERTY
EM-37 Survey

Line	Station	Component	Operator	Frequency	Gain	Polarity	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
3W 600	2	OPR	H 5	+																						
-21	-213	-197	-169	-134	-98	-253	-141	-66	-18	6	36	42	37	29	20	51	29	17	8	3						
3W 600	X	OPR	H 5	+																						
-10	13	39	58	68	67	229	180	133	89	59	99	68	42	28	17	43	23	13	6	3						
3W 575	Z	OPR	H 5	+																						
-22	-186	-176	-153	-124	-92	-242	-136	-65	-17	7	37	43	38	29	21	53	30	17	8	3						
3W 575	X	OPR	H 5	+																						
-17	-13	4	18	28	31	121	107	91	70	53	102	76	51	34	23	57	34	19	10	4						
3W 550	Z	OPR	H 5	+																						
-16	-167	-156	-137	-110	-82	-216	-120	-56	-14	7	36	41	36	28	20	51	30	17	8	4						
3W 550	X	OPR	H 5	+																						
-4	-12	4	15	23	26	105	100	90	68	47	87	69	45	29	20	48	28	15	4	-2						
3W 525	Z	OPR	H 5	+																						
-19	-149	-140	-121	-98	-73	-191	-107	-49	-11	8	36	40	35	27	20	50	28	16	7	3						
3W 525	X	OPR	H 5	+																						
-11	-25	-13	-3	5	10	56	63	63	55	48	95	74	51	36	24	59	35	22	11	5						
3W 500	Z	OPR	H 5	+																						
-8	-135	-126	-110	-89	-67	-174	-97	-46	-10	8	34	37	33	25	18	48	28	15	6	3						
3W 500	X	OPR	H 5	+																						
-12	-25	-16	-3	6	12	58	59	53	51	48	100	72	51	36	23	61	36	20	11	5						
3W 475	Z	OPR	H 5	+																						
-13	-121	-113	-99	-80	-61	-160	-89	-41	-10	6	29	34	30	24	17	45	27	14	7	3						
3W 475	X	OPR	H 5	+																						
-16	-45	-34	-24	-14	-5	11	34	48	49	44	97	78	56	39	27	69	42	27	13	8						
3W 450	Z	OPR	H 5	+																						
-11	-113	-106	-92	-74	-56	-146	-82	-38	-9	7	29	33	29	23	17	44	26	14	7	2						
3W 450	X	OPR	H 5	+																						
-9	-46	-36	-24	-12	-4	17	38	48	49	46	98	77	57	36	27	67	40	23	12	5						
3W 425	Z	OPR	H 5	+																						
-21	-102	-96	-83	-67	-51	-134	-76	-35	-9	5	25	29	26	21	16	40	23	13	5	2						
3W 425	X	OPR	H 5	+																						
-2	-47	-40	-30	-19	-11	-6	20	35	42	43	97	77	57	40	28	74	44	24	15	6						
3W 400	Z	OPR	H 5	+																						
-2	-12	-11	-8	-5	-3	-5	1	6	9	11	28	25	21	16	12	31	18	9	4	1						
3W 400	X	OPR	H 5	+																						
-14	17	13	16	14	13	48	44	35	30	25	53	38	27	19	13	33	18	10	3	0						
3W 375	Z	OPR	H 5	+																						
-18	-13	-10	-8	-6	-4	-6	0	5	8	10	25	23	19	15	11	28	17	9	3	1						
3W 375	X	OPR	H 5	+																						
-14	12	11	12	13	12	48	46	42	38	32	68	54	40	29	21	54	34	20	10	4						
3W 350	Z	OPR	H 5	+																						
-3	-13	-12	-9	-7	-5	-11	-3	2	6	7	19	18	16	13	10	25	14	8	3	1						
3W 350	X	OPR	H 5	+																						
-4	11	11	12	12	12	46	44	39	35	31	65	51	39	28	20	52	31	18	10	4						
3W 325	Z	OPR	H 5	+																						
-5	-12	-10	-8	-6	-4	-10	-4	0	5	6	16	16	14	12	8	22	13	7	2	0						
3W 325	X	OPR	H 5	+																						
-8	8	9	9	10	11	46	43	42	38	34	73	59	44	33	23	63	39	22	11	5						

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
3W 300 Z OPR	H 5 +																			
-8	-13	-11	-9	-7	-5	-13	-7	-2	2	5	12	14	12	10	8	19	11	6	2	0
3W 300 X OPR	H 5 +																			
7	1	4	4	5	7	35	44	48	43	34	73	65	50	37	28	72	45	29	16	8
3W 275 Z OPR	H 5 +																			
-10	-12	-10	-9	-7	-5	-14	-8	-3	0	2	9	10	10	8	6	16	8	3	1	0
3W 275 X OPR	H 5 +																			
-6	9	9	10	11	11	45	45	42	38	32	69	57	43	32	23	61	38	23	11	7
3W 250 Z OPR	H 5 +																			
-6	-14	-11	-10	-8	-6	-18	-11	-6	-2	0	3	6	6	5	4	10	6	2	0	0
3W 250 X OPR	H 5 +																			
-5	5	7	9	9	10	44	44	41	39	34	72	61	47	36	25	68	42	24	13	7
3W 225 Z OPR	H 5 +																			
3	-13	-11	-9	-8	-7	-21	-17	-13	-8	-4	-5	-2	0	1	1	-1	0	-2	-2	-2
3W 225 X OPR	H 5 +																			
1	5	7	7	7	7	33	32	32	27	21	42	37	27	20	14	35	21	12	5	1
3W 200 Z OPR	H 5 +																			
-6	-13	-12	-10	-9	-8	-24	-19	-14	-10	-7	-11	-7	-4	-2	-2	-4	-4	-4	-3	-3
3W 200 X OPR	H 5 +																			
-7	4	5	7	8	7	35	33	28	30	25	55	46	36	27	19	48	29	18	8	3
3W 175 Z OPR	H 5 +																			
-9	-12	-12	-10	-9	-8	-28	-23	-19	-14	-10	-20	-15	-11	-8	-5	-14	-10	-7	-5	-3
3W 175 X OPR	H 5 +																			
-9	1	0	2	3	4	23	30	33	29	22	46	43	33	26	18	46	29	18	6	5
3W 150 Z OPR	H 5 +																			
1	-12	-11	-11	-9	-9	-30	-26	-21	-17	-14	-27	-21	-15	-11	-8	-23	-15	-10	-6	-4
3W 150 X OPR	H 5 +																			
-2	4	3	5	4	4	20	21	17	16	12	27	21	16	12	7	19	11	6	0	0

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
4W 1200 Z OPR	H 5 +																			
-1800	402	314	232	172	129	372	264	189	126	80	140	102	66	45	31	80	50	32	19	10
4W 1200 X OPR	H 5 +																			
259	36	-0	-16	-18	-15	-38	-15	-0	3	-2	-10	-1	3	1	2	9	9	8	4	4
4W 1175 Z OPR	H 5 +																			
-1323	400	317	238	178	134	385	269	188	124	81	143	100	66	45	30	77	47	29	16	9
4W 1175 X OPR	H 5 +																			
-21	51	11	-4	-9	-7	-9	-0	9	6	3	2	6	3	1	3	5	8	4	3	3
4W 1150 Z OPR	H 5 +																			
-804	403	326	248	187	140	401	277	191	125	83	148	101	68	45	31	77	48	28	16	8
4W 1150 X OPR	H 5 +																			
-110	127	69	34	20	15	45	31	23	17	13	25	14	9	9	6	16	10	9	6	5

SOUTHERN GOLD RESOURCES LTD. CROWN KING PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
4W 1125 Z OPR	H 5	+																		
-611 402	328	251	189	142	406	280	193	126	83	148	102	67	45	31	78	48	28	17	9	
4W 1125 X OPR	H 5	+																		
-64 78	35	11	6	3	20	19	16	14	10	18	14	7	-2	4	10	7	5	5	3	
4W 1100 Z OPR	H 5	+																		
-460 398	329	253	192	144	413	285	197	129	83	147	101	67	45	30	77	47	29	16	8	
4W 1100 X OPR	H 5	+																		
-34 71	28	5	-1	-0	3	9	11	10	7	11	10	3	5	2	10	9	-5	7	11	
4W 1075 Z OPR	H 5	+																		
-365 407	337	261	198	149	424	292	199	129	84	148	101	67	45	30	78	47	28	16	9	
4W 1075 X OPR	H 5	+																		
-48 112	63	33	21	16	50	41	30	24	15	27	20	11	10	4	8	20	2	4	2	
4W 1050 Z OPR	H 5	+																		
-281 415	344	267	202	152	433	297	202	130	85	148	100	66	44	30	76	47	27	15	8	
4W 1050 X OPR	H 5	+																		
-84 182	115	80	41	36	110	72	49	33	22	45	25	17	10	8	23	16	11	7	5	
4W 1025 Z OPR	H 5	+																		
-243 406	342	266	203	153	435	297	203	131	84	146	99	65	43	30	75	45	28	15	8	
4W 1025 X OPR	H 5	+																		
-49 170	106	63	39	27	81	60	44	38	20	33	19	14	8	5	25	8	6	2	1	
4W 1000 Z OPR	H 5	+																		
-192 408	347	274	209	158	448	306	207	132	85	147	99	65	43	30	81	42	28	16	8	
4W 1000 X OPR	H 5	+																		
-38 215	147	90	58	41	119	71	69	27	23	31	26	15	11	7	20	14	6	8	4	
4W 975 Z OPR	H 5	+																		
-161 395	347	278	214	163	460	312	209	133	85	147	98	65	43	30	76	46	29	16	9	
4W 975 X OPR	H 5	+																		
-51 250	167	113	72	56	148	113	75	48	29	50	34	18	13	9	21	15	12	6	6	
4W 950 Z OPR	H 5	+																		
-146 378	342	282	220	166	474	321	216	137	87	152	103	68	47	32	81	53	33	18	11	
4W 950 X OPR	H 5	+																		
-50 264	182	118	79	58	153	108	73	44	28	48	26	17	9	7	11	13	9	4	2	
4W 925 Z OPR	H 5	+																		
-136 363	333	275	216	165	466	314	209	131	83	143	95	63	42	29	73	45	26	15	8	
4W 925 X OPR	H 5	+																		
-37 310	230	145	110	80	204	146	90	76	51	54	36	21	13	9	22	15	10	4	5	
4W 900 Z OPR	H 5	+																		
-113 364	340	285	225	172	488	328	216	135	85	145	96	63	42	29	74	46	28	16	9	
4W 900 X OPR	H 5	+																		
-32 327	240	166	116	86	235	161	107	64	40	63	35	23	12	9	23	17	8	5	4	
4W 875 Z OPR	H 5	+																		
-103 327	314	270	218	168	477	320	210	132	82	138	95	62	41	28	73	43	28	15	9	
4W 875 X OPR	H 5	+																		
-35 421	326	233	168	121	334	220	140	97	52	81	47	29	17	12	28	19	12	9	6	
4W 850 Z OPR	H 5	+																		
-85 272	280	254	210	165	470	316	208	130	81	139	93	62	41	28	73	45	27	14	8	
4W 850 X OPR	H 5	+																		
-8 417	321	228	162	117	324	222	139	82	49	67	34	21	11	5	19	23	9	4	4	

SOUTHERN GOLD RESOURCES LTD. CROWN HIRE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
4W 825 Z OPR	H 5	+																		
-92	142	186	194	174	141	411	276	184	115	74	133	85	60	40	28	69	42	26	14	8
4W 825 X OPR	H 5	+																		
-29	546	448	335	245	180	488	317	196	113	62	114	43	29	16	10	28	15	1	2	-0
4W 800 Z OPR	H 5	+																		
-73	48	119	154	150	125	373	253	169	108	71	126	86	59	40	28	70	43	24	15	8
4W 800 X OPR	H 5	+																		
-35	605	515	402	302	221	602	395	246	142	75	108	62	33	19	13	35	22	14	7	5
4W 775 Z OPR	H 5	+																		
-70	-59	39	100	116	107	325	226	155	100	68	123	87	58	41	28	72	43	25	14	8
4W 775 X OPR	H 5	+																		
-35	618	550	458	355	265	731	480	298	170	84	119	67	36	22	16	30	18	12	7	5
4W 750 Z OPR	H 5	+																		
-56	-160	-71	3	38	47	169	129	95	70	54	108	80	57	40	28	71	44	25	14	8
4W 750 X OPR	H 5	+																		
-22	597	582	510	413	313	874	563	360	189	101	145	77	41	24	16	41	22	13	11	5
4W 725 Z OPR	H 5	+																		
-45	-296	-226	-152	-94	-56	-120	-53	-12	13	27	72	66	52	37	26	66	41	34	4	8
4W 725 X OPR	H 5	+																		
-42	433	477	439	367	300	849	540	342	192	100	148	74	45	32	15	34	28	10	11	2
4W 700 Z OPR	H 5	+																		
-37	-331	-286	-228	-169	-121	-309	-174	-86	-23	9	48	52	51	37	26	62	37	25	13	7
4W 700 X OPR	H 5	+																		
-38	198	226	229	205	170	494	337	216	135	80	131	85	53	34	22	62	39	20	16	9
4W 675 Z OPR	H 5	+																		
-45	-277	-249	-205	-161	-119	-312	-176	-90	-27	6	46	53	45	34	25	60	39	23	12	8
4W 675 X OPR	H 5	+																		
-17	149	171	172	159	132	398	275	186	114	70	113	73	43	27	18	45	32	16	11	7
4W 650 Z OPR	H 5	+																		
-31	-243	-227	-193	-154	-116	-312	-184	-95	-32	2	47	43	42	31	23	60	37	21	12	7
4W 650 X OPR	H 5	+																		
-23	93	112	116	111	96	297	211	148	92	60	99	66	41	26	17	37	28	17	10	8
4W 625 Z OPR	H 5	+																		
-17	-216	-207	-176	-142	-109	-297	-176	-89	-30	3	38	46	41	31	24	58	38	21	12	7
4W 625 X OPR	H 5	+																		
-15	69	85	91	87	77	239	178	121	80	55	94	60	44	29	17	42	38	11	7	0
4W 600 Z OPR	H 5	+																		
-22	-192	-182	-160	-132	-102	-277	-165	-86	-30	2	34	44	39	31	22	57	36	20	12	7
4W 600 X OPR	H 5	+																		
-7	51	41	56	73	58	167	149	104	70	48	85	56	37	23	16	36	22	13	6	4
4W 575 Z OPR	H 5	+																		
-25	-174	-164	-145	-121	-95	-260	-157	-83	-29	3	34	43	39	29	23	58	35	22	12	7
4W 575 X OPR	H 5	+																		
1	21	32	39	39	37	131	104	77	59	50	94	64	44	28	19	49	-0	19	11	10
4W 550 Z OPR	H 5	+																		
-26	-159	-152	-135	-114	-90	-248	-150	-79	-27	2	33	43	38	30	22	59	36	23	11	6
4W 550 X OPR	H 5	+																		
-18	-4	8	13	19	20	80	76	68	55	47	89	66	45	30	21	57	27	19	11	-5

SOUTHERN GOLD RESOURCES LTD. CROWN KING PROPERTY
EM-37 Survey

Line	Station	Component	Operator	Frequency	Gain	Polarity	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
4W 525	Z	OPR	H 5	+																						
-14	-145	-138	-125	-106	-84	-236	-143	-78	-28	-0	27	37	35	28	20	54	34	20	10	6						
4W 525	X	OPR	H 5	+																						
-14	-2	4	11	16	17	63	61	52	46	45	92	63	46	30	21	54	17	28	11	4						
4W 500	Z	OPR	H 5	+																						
-23	-131	-127	-115	-98	-78	-220	-139	-73	-27	-1	24	38	32	26	20	54	32	21	11	5						
4W 500	X	OPR	H 5	+																						
-17	-4	-0	4	13	14	64	66	58	52	40	82	60	39	29	18	43	21	20	11	5						
4W 475	Z	OPR	H 5	+																						
-19	-117	-115	-105	-89	-71	-203	-127	-70	-26	-0	26	34	33	26	21	52	32	18	11	6						
4W 475	X	OPR	H 5	+																						
-23	-27	-10	-5	-13	-0	7	36	49	44	38	81	65	47	31	22	56	33	24	13	6						
4W 450	Z	OPR	H 5	+																						
-17	-117	-105	-97	-84	-68	-193	-120	-65	-23	-2	22	32	31	24	20	52	30	18	10	6						
4W 450	X	OPR	H 5	+																						
-3	-23	-21	-15	-5	1	11	38	39	43	41	84	63	46	31	22	52	35	30	5	7						
4W 425	Z	OPR	H 5	+																						
-15	-104	-101	-93	-80	-65	-186	-116	-62	-23	-0	24	34	32	27	20	56	33	20	11	8						
4W 425	X	OPR	H 5	+																						
-18	-33	-26	-20	-5	-5	19	36	37	41	37	76	59	39	27	18	53	28	16	11	6						
4W 400	Z	OPR	H 5	+																						
-12	-93	-91	-84	-73	-60	-170	-108	-61	-23	-0	22	31	31	31	16	51	31	19	11	7						
4W 400	X	OPR	H 5	+																						
-15	-34	-32	-26	-14	-8	-0	25	42	39	35	75	60	43	28	25	49	30	18	10	8						
4W 375	Z	OPR	H 5	+																						
-14	-88	-83	-79	-66	-55	-162	-104	-58	-23	-2	19	30	27	24	19	49	32	17	11	6						
4W 375	X	OPR	H 5	+																						
-22	-45	-39	-31	-20	-14	-19	8	28	38	38	87	68	49	38	23	65	37	24	11	15						
4W 350	Z	OPR	H 5	+																						
-12	-75	-73	-70	-63	-45	-159	-89	-57	-22	-3	12	23	24	21	16	45	25	15	10	6						
4W 350	X	OPR	H 5	+																						
-19	-53	-47	-41	-31	-21	-44	-9	14	31	36	85	74	58	40	29	77	56	27	15	8						
4W 325	Z	OPR	H 5	+																						
-17	-70	-69	-65	-56	-47	-139	-92	-53	-23	-3	11	22	24	21	16	44	30	14	10	6						
4W 325	X	OPR	H 5	+																						
-7	-48	-40	-36	-25	-18	-30	-0	24	34	37	84	72	52	39	26	72	43	27	14	9						
4W 300	Z	OPR	H 5	+																						
-8	-67	-65	-60	-52	-43	-129	-84	-49	-22	-3	9	22	23	20	16	43	27	15	9	5						
4W 300	X	OPR	H 5	+																						
-25	-50	-43	-37	-26	-19	-26	-1	23	34	37	84	68	57	36	25	69	39	26	16	8						
4W 275	Z	OPR	H 5	+																						
-5	-59	-56	-51	-46	-38	-114	-78	-47	-22	-6	5	15	17	13	36	24	13	8	5							
4W 275	X	OPR	H 5	+																						
-3	-52	-44	-35	-25	-17	-32	4	24	29	38	85	68	52	38	25	72	42	8	11	6						
4W 250	Z	OPR	H 5	+																						
-19	-53	-52	-48	-43	-36	-109	-75	-45	-22	-6	4	15	18	13	38	23	13	7	5							
4W 250	X	OPR	H 5	+																						
-3	-48	-47	-36	-26	-18	-26	7	24	41	38	85	58	57	38	28	62	59	25	12	8						

5W	0	Z	OPR	H 5 +	-5	-13	-12	-13	-14	-13	-53	-48	-40	-30	-21	-33	-18	-6	-1	1	9	5	6	3	3
5W	0	X	OPR	H 5 +	5	-36	-30	-27	-23	-19	-54	-35	-17	-0	14	47	42	39	31	23	67	44	24	4	8
5W	25	Z	OPR	H 5 +	2	-14	-15	-16	-16	-16	-60	-53	-43	-33	-21	-34	-17	-5	-0	2	9	8	4	7	1
5W	25	X	OPR	H 5 +	-8	-38	-39	-32	-29	-23	-64	-37	-19	-0	13	43	46	42	32	23	76	38	29	19	9
5W	50	Z	OPR	H 5 +	-2	-16	-15	-17	-17	-17	-64	-58	-47	-34	-22	-36	-19	-4	1	2	-6	8	4	5	4
5W	50	X	OPR	H 5 +	-4	-32	-29	-27	-22	-17	-38	-29	-2	12	20	44	31	41	27	21	53	31	22	11	5
5W	75	Z	OPR	H 5 +	-9	-16	-17	-18	-19	-19	-68	-62	-51	-36	-23	-34	-16	-5	1	2	9	8	7	3	3
5W	75	X	OPR	H 5 +	-4	-39	-38	-34	-27	-22	-53	-24	-4	14	24	57	53	47	35	28	66	45	27	16	10
5W	100	Z	OPR	H 5 +	-0	-20	-21	-21	-22	-21	-77	-66	-53	-36	-22	-33	-14	-3	3	4	11	7	8	5	3
5W	100	X	OPR	H 5 +	-7	-45	-50	-36	-31	-22	-66	-26	-6	13	20	65	61	47	37	30	77	43	34	15	11
5W	125	Z	OPR	H 5 +	-12	-22	-27	-26	-25	-25	-86	-71	-55	-35	-21	-27	-11	1	5	5	17	13	7	5	3
5W	125	X	OPR	H 5 +	-8	-48	-42	-39	-29	-24	-56	-26	-2	18	27	70	64	52	40	28	78	50	31	15	9
5W	150	Z	OPR	H 5 +	3	-27	-27	-28	-28	-25	-92	-75	-55	-36	-19	-25	-7	3	7	7	22	14	10	6	2
5W	150	X	OPR	H 5 +	-11	-53	-47	-40	-31	-23	-57	-23	3	21	29	75	66	53	42	30	72	54	32	18	11
5W	175	Z	OPR	H 5 +	-7	-34	-32	-33	-31	-29	-99	-79	-58	-36	-18	-19	-2	7	10	8	26	17	10	6	3
5W	175	X	OPR	H 5 +	-7	-55	-50	-40	-33	-25	-59	-25	3	22	29	77	67	52	45	28	82	56	30	17	10
5W	200	Z	OPR	H 5 +	-4	-37	-39	-39	-36	-31	-111	-80	-59	-33	-17	-11	3	12	14	11	33	22	16	8	6
5W	200	X	OPR	H 5 +	-6	-53	-48	-43	-33	-25	-57	-18	7	24	33	79	72	53	45	29	76	47	28	13	8
5W	225	Z	OPR	H 5 +	-6	-41	-44	-41	-38	-36	-110	-82	-57	-31	-14	-7	7	15	15	13	34	24	15	9	5
5W	225	X	OPR	H 5 +	-5	-55	-49	-41	-32	-24	-51	-18	7	25	34	79	73	52	39	30	74	48	33	17	10
5W	250	Z	OPR	H 5 +	5	-51	-50	-47	-43	-37	-117	-85	-54	-29	-11	-0	12	19	18	13	40	26	14	9	6
5W	250	X	OPR	H 5 +	-13	-48	-43	-32	-29	-18	-34	-4	14	29	32	78	68	48	36	24	65	44	23	15	9
5W	275	Z	OPR	H 5 +	-10	-62	-58	-56	-50	-43	-132	-91	-56	-27	-9	1	19	23	21	16	47	29	19	10	8
5W	275	X	OPR	H 5 +	-6	-51	-47	-37	-31	-16	-54	-13	5	23	34	84	69	52	36	26	53	39	25	12	5
5W	300	Z	OPR	H 5 +	-12	-65	-65	-59	-54	-45	-139	-98	-63	-29	-8	7	20	26	22	18	49	30	20	11	7
5W	300	X	OPR	H 5 +	-17	-52	-49	-42	-32	-21	-52	-14	10	29	34	82	76	49	38	26	73	44	23	19	8
5W	325	Z	OPR	H 5 +	-13	-70	-68	-64	-56	-48	-147	-103	-64	-30	-9	6	20	25	21	18	49	29	18	11	6
5W	325	X	OPR	H 5 +	-11	-51	-47	-37	-29	-21	-41	-8	19	28	37	88	63	50	35	24	63	57	13	12	8

SOUTHERN GOLD RESOURCES LTD. CROWN HILL PROPERTY
EM-37 Survey

Line	Station	Component	Operator	Frequency	Gain	Polarity	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
5W 350	Z	OPR	H 5	+																						
-27	-75	-74	-68	-59	-52	-154	-111	-66	-32	-9	6	20	27	15	17	47	31	20	11	7						
5W 350	X	OPR	H 5	+																						
-13	-31	-27	-18	-11	-8	1	7	39	35	39	71	61	41	28	18	46	24	19	10	8						
5W 375	Z	OPR	H 5	+																						
-15	-84	-80	-75	-66	-55	-167	-113	-67	-30	-6	14	27	29	25	19	51	33	22	12	8						
5W 375	X	OPR	H 5	+																						
-14	-38	-32	-25	-19	-12	-15	12	27	35	35	81	62	50	33	21	37	40	17	21	7						
5W 400	Z	OPR	H 5	+																						
-11	-91	-90	-80	-71	-59	-173	-119	-66	-29	-5	13	32	28	26	20	50	36	22	12	8						
5W 400	X	OPR	H 5	+																						
-11	-46	-27	-22	-15	-12	-15	8	29	34	36	82	65	49	31	24	55	41	25	12	8						
5W 425	Z	OPR	H 5	+																						
-17	-95	-94	-83	-75	-60	-178	-118	-67	-28	-4	16	29	30	26	16	23	34	22	10	9						
5W 425	X	OPR	H 5	+																						
-3	-38	-28	-23	-19	-10	-15	10	25	36	34	83	65	46	32	22	52	45	19	12	6						
5W 450	Z	OPR	H 5	+																						
-16	-105	-103	-92	-80	-66	-190	-124	-70	-28	-2	21	34	33	27	20	57	40	19	12	7						
5W 450	X	OPR	H 5	+																						
-10	-32	-18	-13	-15	-2	7	23	31	40	34	78	58	43	28	20	48	32	20	11	6						
5W 475	Z	OPR	H 5	+																						
-20	-112	-108	-98	-83	-69	-196	-127	-72	-29	-2	22	33	31	27	21	52	34	21	12	7						
5W 475	X	OPR	H 5	+																						
-17	-31	-26	-14	-12	-8	3	21	31	35	36	76	64	43	32	22	58	32	23	10	9						
5W 500	Z	OPR	H 5	+																						
-21	-127	-118	-108	-92	-73	-215	-134	-77	-29	-3	18	37	33	27	22	45	35	22	12	6						
5W 500	X	OPR	H 5	+																						
-19	-24	-12	-4	1	5	23	36	36	41	38	80	58	41	28	29	27	20	18	10	9						
5W 525	Z	OPR	H 5	+																						
-22	-139	-131	-117	-100	-78	-235	-148	-82	-33	-2	22	35	34	28	21	54	38	23	12	5						
5W 525	X	OPR	H 5	+																						
-4	-9	-13	-5	2	5	25	42	41	44	38	80	65	40	28	20	57	22	23	9	8						
5W 550	Z	OPR	H 5	+																						
-34	-149	-144	-128	-108	-87	-250	-155	-83	-30	-1	26	40	37	29	23	59	37	24	13	8						
5W 550	X	OPR	H 5	+																						
-29	6	14	10	12	16	55	61	60	44	39	82	60	36	26	18	31	36	3	7	7						
5W 575	Z	OPR	H 5	+																						
-32	-161	-153	-137	-116	-92	-264	-165	-92	-35	-1	32	42	40	30	22	62	34	25	13	10						
5W 575	X	OPR	H 5	+																						
-22	11	13	14	19	18	77	61	61	56	39	78	56	31	25	19	47	25	16	13	10						
5W 600	Z	OPR	H 5	+																						
-24	-182	-172	-153	-130	-103	-291	-180	-96	-36	-2	30	44	40	32	23	61	36	21	13	7						
5W 600	X	OPR	H 5	+																						
-18	14	16	20	24	16	85	80	63	51	39	83	59	35	31	16	44	31	19	12	8						
5W 625	Z	OPR	H 5	+																						
-27	-204	-192	-171	-143	-112	-314	-195	-104	-38	-0	33	46	43	33	24	64	39	24	13	8						
5W 625	X	OPR	H 5	+																						
-14	31	37	40	39	34	123	98	73	59	41	85	61	35	27	16	45	21	17	11	1						

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
 EE-37 Survey

Line,	Station,	Component,	Operator,	Frequency,	Gain,	Polarity															
Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20	
Field																					
5W 650	Z	OPR	H 5	+																	
-30	-231	-217	-191	-158	-122	-343	-209	-112	-41	-0	37	48	44	35	24	65	40	24	13	9	
5W 650	X	OPR	H 5	+																	
-24	67	65	73	62	55	168	137	97	65	45	87	54	35	27	16	40	26	16	22	16	
5W 675	Z	OPR	H 5	+																	
-14	-268	-255	-220	-181	-141	-385	-237	-127	-48	-3	33	47	46	34	24	64	42	24	12	8	
5W 675	X	OPR	H 5	+																	
4	92	92	97	87	78	230	164	119	75	50	97	58	33	20	16	35	23	10	4	4	
5W 700	Z	OPR	H 5	+																	
-41	-325	-297	-257	-206	-156	-432	-261	-145	-52	-5	30	50	47	35	25	65	41	23	15	9	
5W 700	X	OPR	H 5	+																	
-23	115	130	131	112	97	298	207	136	91	56	100	55	37	23	17	26	26	12	11	2	
5W 725	Z	OPR	H 5	+																	
-39	-388	-352	-290	-231	-172	-466	-284	-152	-59	-6	32	49	48	35	26	67	39	25	15	8	
5W 725	X	OPR	H 5	+																	
-37	219	231	217	191	159	461	301	197	118	66	104	59	33	20	14	34	13	22	-1	14	
5W 750	Z	OPR	H 5	+																	
-50	-437	-373	-284	-212	-152	-400	-240	-125	-45	-1	41	56	47	36	26	64	34	30	16	7	
5W 750	X	OPR	H 5	+																	
-30	333	353	332	281	227	643	418	281	147	75	126	76	37	22	15	36	26	11	9	4	
5W 775	Z	OPR	H 5	+																	
-53	-399	-301	-202	-127	-82	-200	-109	-47	-5	19	64	63	52	37	27	67	43	26	15	7	
5W 775	X	OPR	H 5	+																	
-18	540	519	463	375	290	806	520	328	181	94	125	78	35	24	13	37	16	19	11	6	
5W 800	Z	OPR	H 5	+																	
-74	-200	-103	-21	19	28	103	79	69	50	44	93	80	55	38	27	73	41	27	16	9	
5W 800	X	OPR	H 5	+																	
-37	744	667	557	410	321	862	557	355	189	97	143	70	40	21	12	45	24	14	1	5	
5W 825	Z	OPR	H 5	+																	
-82	119	168	182	162	129	363	245	161	105	64	122	85	58	39	28	71	44	25	17	8	
5W 825	X	OPR	H 5	+																	
-28	703	610	466	340	258	697	453	280	160	76	116	57	29	18	12	18	13	-16	4	9	
5W 850	Z	OPR	H 5	+																	
-107	257	271	249	207	158	442	287	179	113	76	136	86	59	40	29	70	45	28	14	9	
5W 850	X	OPR	H 5	+																	
-25	559	460	348	250	186	519	349	193	121	64	98	52	27	12	15	18	17	17	11	-4	
5W 875	Z	OPR	H 5	+																	
-125	380	347	289	227	172	479	316	211	126	79	130	89	57	39	27	71	44	28	16	8	
5W 875	X	OPR	H 5	+																	
-37	458	355	257	181	140	381	252	159	93	52	79	42	20	20	8	26	-5	13	13	2	
5W 900	Z	OPR	H 5	+																	
-134	401	358	292	227	171	478	314	204	125	79	136	88	58	40	27	69	44	26	16	9	
5W 900	X	OPR	H 5	+																	
-32	315	250	178	137	104	263	191	122	78	39	61	40	16	16	8	28	6	16	7	9	
5W 925	Z	OPR	H 5	+																	
-150	396	347	281	219	164	460	307	203	127	79	134	90	59	40	28	72	46	28	16	9	
5W 925	X	OPR	H 5	+																	
-60	239	189	134	96	74	206	140	95	55	38	60	32	20	16	7	21	20	6	4	5	

SOUTHERN GOLD RESOURCES LTD. CROWN HINE PROPERTY
EM-37 Survey

Line	Station	Component	Operator	Frequency	Gain	Polarity	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
		Field																								
5W 950	Z	OPR	H 5	+																						
-165	390	343	278	215	163	452	301	195	123	80	137	91	59	40	28	73	47	27	17	10						
5W 950	X	OPR	H 5	+																						
-37	196	149	101	70	55	155	106	89	47	27	46	37	16	10	9	28	8	20	4	-2						
5W 975	Z	OPR	H 5	+																						
-198	372	326	262	199	154	425	286	194	121	76	132	90	59	41	27	72	45	26	16	8						
5W 975	X	OPR	H 5	+																						
-33	163	119	91	62	43	151	99	74	43	24	47	26	15	13	5	14	16	9	8	2						
5W 1000	Z	OPR	H 5	+																						
-244	380	327	261	200	150	425	285	192	122	78	136	91	60	42	28	75	46	29	16	10						
5W 1000	X	OPR	H 5	+																						
-57	146	109	74	53	41	114	91	56	42	26	44	26	15	1	5	20	7	9	-3	-0						
5W 1025	Z	OPR	H 5	+																						
-282	367	314	250	192	145	408	275	187	118	77	135	92	61	41	29	75	45	28	18	10						
5W 1025	X	OPR	H 5	+																						
-110	179	139	93	63	53	145	107	74	49	30	57	40	17	14	12	24	15	12	8	11						
5W 1050	Z	OPR	H 5	+																						
-343	362	309	245	187	141	397	272	183	117	76	134	92	60	42	28	74	45	27	17	8						
5W 1050	X	OPR	H 5	+																						
-67	97	59	38	24	27	61	61	47	23	16	37	13	11	8	4	19	8	6	-0	1						
5W 1075	Z	OPR	H 5	+																						
-424	358	303	238	182	137	390	265	181	116	76	133	92	61	42	28	71	45	28	14	11						
5W 1075	X	OPR	H 5	+																						
-96	97	60	37	25	22	67	47	36	26	17	28	21	11	8	5	17	16	3	9	6						
5W 1100	Z	OPR	H 5	+																						
-571	361	301	236	180	135	385	262	179	118	76	135	93	62	42	28	75	47	28	16	9						
5W 1100	X	OPR	H 5	+																						
-106	61	25	10	8	6	28	12	22	9	13	18	10	7	5	4	18	1	-0	5	2						
5W 1125	Z	OPR	H 5	+																						
-743	352	290	227	171	130	369	254	175	114	74	132	92	61	41	29	73	47	27	17	9						
5W 1125	X	OPR	H 5	+																						
-146	49	20	6	6	1	22	12	16	13	9	12	11	4	6	5	4	10	6	5	7						
5W 1150	Z	OPR	H 5	+																						
-998	347	280	215	163	124	356	247	168	112	73	131	91	60	41	28	74	46	29	16	10						
5W 1150	X	OPR	H 5	+																						
-141	28	-8	-7	-14	-4	-6	10	-4	9	3	3	14	4	1	2	-8	2	8	3	4						
5W 1175	Z	OPR	H 5	+																						
-1492	334	269	205	156	118	340	236	165	108	72	128	89	59	40	28	74	45	28	17	9						
5W 1175	X	OPR	H 5	+																						
-207	11	1	-9	-5	-5	-1	-6	17	7	5	20	12	1	5	1	3	18	12	2	-2						
5W 1200	Z	OPR	H 5	+																						
-2793	326	260	197	149	114	327	230	160	106	70	127	88	59	40	28	72	44	28	17	9						
5W 1200	X	OPR	H 5	+																						
-301	-11	-15	-17	-10	-6	-5	-5	3	7	7	4	11	2	6	-1	10	9	3	4	3						

SOUTHERN GOLD RESOURCES LTD. CROWN MINZ PROPERTY
EN-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity	Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
6W 1200 Z OPR		H 5	+																		
-2841 568	394	268	189	138	385	262	179	115	75	132	90	60	40	28	72	44	27	14			
6W 1200 X OPR		H 5	+																		
-295 18	-20	-29	-24	-17	-37	-19	-7	-1	-1	-3	-1	-1	-1	-1	0	1	0	0	0	0	0
6W 1175 Z OPR		H 5	+																		
-1625 584	408	280	199	145	403	272	183	117	76	134	90	60	40	28	73	44	27	14			
6W 1175 X OPR		H 5	+																		
-466 145	56	16	4	3	11	17	16	10	10	13	9	5	4	3	8	8	5	3	1		
6W 1150 Z OPR		H 5	+																		
-1130 579	417	291	208	151	419	281	189	120	78	136	92	61	41	28	74	44	26	15			
6W 1150 X OPR		H 5	+																		
-211 114	30	-3	-9	-6	-11	3	7	3	8	10	3	3	1	1	4	1	2	0	0		
6W 1125 Z OPR		H 5	+																		
-830 578	428	303	218	158	437	291	193	124	79	138	93	62	41	28	72	44	26	14	6		
6W 1125 X OPR		H 5	+																		
-192 163	66	14	0	1	6	13	13	11	6	12	7	3	2	2	7	3	3	4	1		
6W 1100 Z OPR		H 5	+																		
-648 571	436	315	227	165	454	300	199	125	81	140	94	62	42	28	74	44	27	14	7		
6W 1100 X OPR		H 5	+																		
-173 216	98	36	16	11	35	33	23	17	12	22	12	8	5	3	11	7	5	2	1		
6W 1075 Z OPR		H 5	+																		
-504 539	434	324	237	173	474	311	204	128	82	142	95	63	42	28	74	45	28	14	7		
6W 1075 X OPR		H 5	+																		
-130 271	141	68	40	29	86	64	49	32	21	33	21	12	9	6	12	7	6	5	1		
6W 1050 Z OPR		H 5	+																		
-409 511	429	327	242	177	484	317	209	129	82	141	95	63	42	28	73	45	29	14	7		
6W 1050 X OPR		H 5	+																		
-77 257	127	60	32	23	69	55	38	27	16	26	17	10	5	4	9	8	7	6	3		
6W 1025 Z OPR		H 5	+																		
-335 475	418	330	247	181	494	323	210	131	82	142	95	63	42	28	72	45	28	13	7		
6W 1025 X OPR		H 5	+																		
-102 318	192	110	71	51	144	102	69	46	28	47	28	17	11	7	18	11	8	3	1		
6W 1000 Z OPR		H 5	+																		
-282 452	412	332	250	184	502	327	212	131	82	141	94	62	41	28	73	44	27	14	7		
6W 1000 X OPR		H 5	+																		
-86 337	218	132	86	62	173	120	82	52	30	49	33	19	12	9	17	14	8	4	1		
6W 975 Z OPR		H 5	+																		
-226 419	397	327	250	184	503	326	211	129	81	139	92	60	41	28	71	43	27	14	8		
6W 975 X OPR		H 5	+																		
-68 311	203	126	83	58	161	111	75	46	27	44	25	15	9	6	11	15	5	3	1		
6W 950 Z OPR		H 5	+																		
-184 421	400	332	255	187	511	330	211	131	80	137	91	59	40	28	71	43	27	14	8		
6W 950 X OPR		H 5	+																		
-79 359	261	176	123	88	245	162	107	65	39	60	37	21	12	10	21	13	7	6	1		
6W 925 Z OPR		H 5	+																		
-162 441	415	342	262	193	525	339	218	132	81	137	90	59	39	28	69	43	26	14	7		
6W 925 X OPR		H 5	+																		
-55 388	287	200	140	100	278	184	117	70	41	63	34	20	12	8	18	10	8	3	1		

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
 BM-37 Survey

Line	Station	Component	Operator	Frequency	Gain	Polarity	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
6W 900	Z	OPR	H 5	+																						
-137	440	421	352	271	199	542	348	223	135	82	139	91	59	40	28	71	44	27	15	8						
6W 900	X	OPR	H 5	+																						
-52	507	385	270	189	135	368	241	154	88	49	73	41	21	12	8	22	13	8	2	2						
6W 875	Z	OPR	H 5	+																						
-120	296	333	308	248	185	505	323	206	126	78	134	89	59	39	27	70	45	27	13	8						
6W 875	X	OPR	H 5	+																						
-48	658	510	365	257	185	501	316	202	114	61	89	46	25	14	10	24	11	7	3	1						
6W 850	Z	OPR	H 5	+																						
-123	217	290	292	263	184	502	320	204	125	78	134	90	59	40	28	71	45	27	15	7						
6W 850	X	OPR	H 5	+																						
-62	717	592	436	313	223	601	378	231	132	69	96	52	26	15	10	28	15	11	6	1						
6W 825	Z	OPR	H 5	+																						
-102	47	176	229	211	166	459	294	188	118	75	132	91	61	42	29	75	46	28	14	7						
6W 825	X	OPR	H 5	+																						
-52	855	752	588	433	310	823	517	314	171	87	121	61	30	16	11	26	16	9	6	1						
6W 800	Z	OPR	H 5	+																						
-106	-350	-193	-61	4	23	95	74	59	50	45	99	78	57	40	28	73	45	26	14	8						
6W 800	X	OPR	H 5	+																						
-54	926	883	737	565	409	1091	675	409	220	109	145	69	33	17	10	27	19	9	5	3						
6W 775	Z	OPR	H 5	+																						
-81	-666	-546	-391	-260	-170	-409	-229	-116	-38	5	50	60	52	38	27	70	41	25	13	7						
6W 775	X	OPR	H 5	+																						
-59	590	626	584	484	369	1014	642	391	214	109	152	79	39	22	14	34	21	13	6	2						
6W 750	Z	OPR	H 5	+																						
-67	-618	-555	-447	-333	-237	-608	-355	-189	-75	-11	33	54	51	38	27	71	43	26	14	6						
6W 750	X	OPR	H 5	+																						
-51	260	314	323	292	236	683	445	282	159	89	130	72	40	23	15	35	23	13	8	3						
6W 725	Z	OPR	H 5	+																						
-46	-469	-429	-358	-277	-203	-536	-317	-169	-65	-8	34	53	49	37	26	71	42	26	13	6						
6W 725	X	OPR	H 5	+																						
-48	159	196	204	187	156	462	309	199	116	70	113	65	38	24	14	36	22	10	5	3						
6W 700	Z	OPR	H 5	+																						
-47	-394	-367	-314	-250	-188	-507	-305	-166	-65	-10	29	49	46	36	26	67	41	25	14	7						
6W 700	X	OPR	H 5	+																						
-31	91	113	124	119	102	318	225	155	95	58	94	57	33	22	12	34	19	11	6	0						
6W 675	Z	OPR	H 5	+																						
-41	-322	-303	-263	-212	-163	-447	-272	-147	-56	-5	35	52	48	36	26	69	43	27	13	7						
6W 675	X	OPR	H 5	+																						
-21	27	40	53	53	49	163	126	93	66	47	89	60	39	24	15	41	19	10	5	2						
6W 650	Z	OPR	H 5	+																						
-34	-278	-263	-231	-189	-148	-409	-253	-138	-54	-6	31	48	44	34	25	66	41	25	12	7						
6W 650	X	OPR	H 5	+																						
-35	-6	10	24	33	35	130	111	86	66	46	84	62	38	24	18	43	27	17	9	3						
6W 625	Z	OPR	H 5	+																						
-31	-239	-227	-201	-166	-131	-369	-230	-126	-48	-4	31	47	44	34	25	66	40	24	13	6						
6W 625	X	OPR	H 5	+																						
-28	-1	9	19	25	26	102	86	76	61	43	84	60	39	26	18	41	25	16	8	4						

SOUTHERN GOLD RESOURCES LTD. CROKIN HINE PROPERTY
 BK-17 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
6W 600 Z OPR	H 5	+																		
-28 -207 -196 -175	-146	-116	-331	-209	-115	-43	-3	34	47	43	34	25	66	40	24	13	6			
6W 600 X OPR	H 5	+																		
-26 -30 -16 -3	7	14	68	67	62	51	43	82	60	40	27	18	45	29	18	9	4			
6W 575 Z OPR	H 5	+																		
-25 -186 -176 -156	-131	-105	-299	-189	-104	-40	-2	32	45	42	32	24	64	40	23	13	6			
6W 575 X OPR	H 5	+																		
-27 -11 0 6	12	15	66	67	59	52	42	82	62	40	27	17	40	27	13	6	3			
6W 550 Z OPR	H 5	+																		
-22 -166 -158 -141	-120	-97	-280	-179	-101	-40	-4	28	41	39	31	23	62	38	22	12	5			
6W 550 X OPR	H 5	+																		
-19 -49 -35 -21	-10	-1	23	38	44	44	39	82	62	41	30	20	53	33	20	12	5			
6W 525 Z OPR	H 5	+																		
-20 -151 -143 -128	-108	-87	-253	-163	-92	-37	-3	25	39	38	30	22	59	38	23	12	6			
6W 525 X OPR	H 5	+																		
-22 -42 -31 -17	-7	0	23	37	42	41	34	71	54	37	26	17	49	30	20	11	5			
6W 500 Z OPR	H 5	+																		
-14 -138 -130 -116	-99	-80	-232	-150	-85	-34	-2	25	39	37	29	22	60	37	23	12	6			
6W 500 X OPR	H 5	+																		
-16 -31 -22 -13	-4	3	30	44	48	47	40	81	63	42	29	20	48	32	20	10	5			
6W 475 Z OPR	H 5	+																		
-16 -122 -114 -102	-88	-71	-211	-139	-80	-35	-5	18	33	33	27	21	54	36	22	12	5			
6W 475 X OPR	H 5	+																		
-21 -41 -31 -24	-15	-8	-2	17	34	41	39	85	66	47	32	21	55	31	19	9	5			
6W 450 Z OPR	H 5	+																		
-15 -116 -108 -98	-84	-69	-204	-137	-80	-36	-6	17	30	31	26	19	52	33	20	10	5			
6W 450 X OPR	H 5	+																		
-5 -27 -18 -14	-6	-3	17	28	42	42	39	81	63	41	28	19	46	26	14	6	1			
6W 425 Z OPR	H 5	+																		
-12 -110 -102 -94	-82	-68	-203	-134	-76	-34	-10	6	27	29	24	18	51	32	19	11	4			
6W 425 X OPR	H 5	+																		
-14 -23 -18 -17	-2	0	19	33	39	43	39	85	61	42	30	19	46	27	14	8	2			
6W 400 Z OPR	H 5	+																		
-8 -95 -91 -82	-72	-60	-182	-124	-76	-36	-9	7	22	25	22	17	47	30	17	9	6			
6W 400 X OPR	H 5	+																		
-10 -25 -18 -10	-12	1	12	28	36	40	37	80	57	40	26	17	42	23	11	5	0			
6W 375 Z OPR	H 5	+																		
-18 -92 -87 -79	-69	-58	-176	-120	-73	-33	-8	10	26	28	24	19	51	32	19	10	5			
6W 375 X OPR	H 5	+																		
-14 -47 -39 -33	-23	-15	-26	5	24	34	37	80	64	47	32	21	57	33	20	10	5			
6W 350 Z OPR	H 5	+																		
-20 -79 -77 -71	-63	-53	-166	-116	-73	-35	-10	5	21	25	22	17	47	29	18	10	5			
6W 350 X OPR	H 5	+																		
-6 -50 -40 -31	-23	-14	-23	7	24	36	36	82	67	48	33	23	55	36	21	10	4			
6W 325 Z OPR	H 5	+																		
-8 -75 -72 -68	-60	-52	-160	-113	-72	-35	-10	6	22	26	23	18	49	30	19	10	5			
6W 325 X OPR	H 5	+																		
-11 -44 -33 -28	-17	-12	-9	11	31	39	38	83	64	46	32	21	53	35	17	12	5			

SOUTHERN GOLD RESOURCES LTD. CROWN NINE PROPERTY
EX-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
6W 300 Z OPR	H 5 +																			
-6	-67	-65	-62	-57	-49	-156	-113	-75	-39	-15	-5	14	21	20	16	44	28	16	9	4
6W 300 X OPR	H 5 +																			
-7	-47	-44	-35	-25	-18	-34	-2	20	32	38	86	70	51	35	25	60	37	23	11	4
6W 275 Z OPR	H 5 +																			
-17	-65	-61	-59	-54	-47	-151	-113	-74	-43	-18	-13	9	18	17	15	38	26	16	8	4
6W 275 X OPR	H 5 +																			
-10	-48	-41	-35	-26	-18	-36	-2	18	31	36	81	66	49	33	23	56	36	20	11	3
6W 250 Z OPR	H 5 +																			
-1	-53	-55	-52	-47	-42	-134	-102	-71	-41	-17	-13	6	15	16	13	38	24	15	7	4
6W 250 X OPR	H 5 +																			
-5	-49	-45	-36	-26	-18	-41	-13	15	27	31	76	62	46	34	23	60	39	22	12	5
6W 225 Z OPR	H 5 +																			
-4	-48	-48	-46	-42	-38	-124	-96	-68	-39	-18	-14	5	13	15	12	37	24	14	8	4
6W 225 X OPR	H 5 +																			
-17	-56	-49	-41	-32	-23	-54	-20	7	20	31	75	64	50	35	25	63	39	24	13	5
6W 200 Z OPR	H 5 +																			
-6	-42	-42	-40	-37	-34	-112	-87	-62	-37	-17	-14	3	13	14	12	36	23	14	8	4
6W 200 X OPR	H 5 +																			
-6	-48	-45	-36	-29	-20	-46	-15	6	23	30	76	62	47	34	23	59	35	18	7	3
6W 175 Z OPR	H 5 +																			
-10	-38	-38	-37	-34	-31	-105	-82	-59	-36	-17	-15	3	12	14	12	36	23	15	7	3
6W 175 X OPR	H 5 +																			
-12	-49	-46	-39	-30	-22	-56	-17	8	22	29	71	63	49	34	24	63	39	22	12	6
6W 150 Z OPR	H 5 +																			
-7	-33	-33	-33	-31	-28	-96	-76	-56	-35	-18	-19	0	10	12	11	31	21	13	6	3
6W 150 X OPR	H 5 +																			
-5	-53	-47	-39	-33	-24	-59	-25	-2	17	28	70	61	51	37	27	74	46	28	16	7
6W 125 Z OPR	H 5 +																			
-5	-30	-30	-30	-29	-27	-92	-76	-58	-37	-21	-26	-6	6	9	8	25	17	11	5	3
6W 125 X OPR	H 5 +																			
-7	-48	-47	-36	-30	-22	-56	-22	1	18	27	70	62	49	37	26	72	44	24	14	6
6W 100 Z OPR	H 5 +																			
-5	-24	-26	-25	-25	-24	-85	-71	-57	-39	-24	-32	-13	0	3	6	19	14	7	5	2
6W 100 X OPR	H 5 +																			
-7	-44	-39	-35	-26	-21	-50	-21	1	18	24	63	58	46	34	24	67	42	25	12	8
6W 75 Z OPR	H 5 +																			
-6	-22	-22	-23	-23	-22	-79	-68	-54	-39	-24	-36	-15	-3	3	4	16	11	7	3	2
6W 75 X OPR	H 5 +																			
-3	-36	-35	-30	-24	-19	-45	-27	-5	12	23	58	52	41	31	22	58	31	25	13	3
6W 50 Z OPR	H 5 +																			
-3	-18	-19	-20	-20	-19	-72	-63	-52	-37	-24	-36	-17	-4	2	3	14	10	6	3	2
6W 50 X OPR	H 5 +																			
-2	-39	-38	-33	-27	-22	-58	-30	-13	8	16	49	48	40	30	23	60	38	23	12	4
6W 25 Z OPR	H 5 +																			
-5	-17	-18	-18	-18	-18	-66	-58	-47	-35	-23	-36	-17	-4	1	3	12	8	5	3	1
6W 25 X OPR	H 5 +																			
-11	-41	-37	-32	-29	-21	-61	-39	-14	3	15	45	46	40	33	24	65	41	24	14	6

SOUTHERN GOLD RESOURCES LTD. CROOK MINE PROPERTY
 EN-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
7W 975	Z	OPR	H	5	+															
-225	343	296	232	174	127	350	232	155	100	64	113	78	52	36	25	66	40	25	11	6
7W 975	X	OPR	H	5	+															
-52	196	143	99	70	53	154	107	71	44	25	38	24	12	7	6	9	6	4	2	1
7W 950	Z	OPR	H	5	+															
-193	365	315	247	185	135	370	244	161	102	66	115	79	52	36	25	65	42	25	13	7
7W 950	X	OPR	H	5	+															
-65	248	186	131	98	71	206	139	91	57	30	50	28	16	9	5	13	9	5	2	1
7W 925	Z	OPR	H	5	+															
-163	354	314	250	188	137	373	243	159	100	65	114	77	52	36	25	66	40	26	13	7
7W 925	X	OPR	H	5	+															
-76	337	257	190	137	103	284	192	123	74	42	66	38	20	13	8	20	10	7	3	0
7W 900	Z	OPR	H	5	+															
-144	358	323	259	194	142	382	251	164	103	66	115	78	52	36	25	66	41	25	13	7
7W 900	X	OPR	H	5	+															
-75	320	248	178	128	95	266	175	114	65	37	56	30	16	9	7	14	7	9	3	1
7W 875	Z	OPR	H	5	+															
-132	356	327	267	202	146	394	253	163	102	66	116	78	52	36	25	66	42	25	14	7
7W 875	X	OPR	H	5	+															
-73	482	382	279	201	148	399	258	165	93	52	74	41	20	11	7	19	13	7	1	1
7W 850	Z	OPR	H	5	+															
-104	258	264	229	178	130	351	228	148	94	62	111	77	52	35	25	66	40	24	14	6
7W 850	X	OPR	H	5	+															
-60	661	538	411	301	216	576	369	224	125	65	97	50	26	14	8	21	14	9	2	2
7W 825	Z	OPR	H	5	+															
-104	76	121	125	106	81	225	153	107	74	52	99	73	51	36	25	67	43	25	14	7
7W 825	X	OPR	H	5	+															
-52	799	672	517	379	269	715	442	269	147	73	102	53	23	12	7	20	15	6	3	0
7W 800	Z	OPR	H	5	+															
-88	-382	-286	-194	-127	-83	-188	-89	-34	3	20	59	57	45	34	24	64	40	25	13	7
7W 800	X	OPR	H	5	+															
-49	712	626	499	376	271	726	445	276	148	78	110	54	27	14	9	21	12	6	4	0
7W 775	Z	OPR	H	5	+															
-64	-376	-301	-220	-151	-102	-242	-125	-54	-8	14	51	52	44	32	24	61	39	25	13	6
7W 775	X	OPR	H	5	+															
-58	412	381	314	244	185	506	331	207	123	67	100	58	32	19	12	34	19	10	4	3
7W 750	Z	OPR	H	5	+															
-58	-333	-274	-205	-145	-99	-240	-128	-58	-11	12	49	50	42	32	23	60	38	23	14	6
7W 750	X	OPR	H	5	+															
-36	324	294	246	197	149	417	273	177	103	61	93	50	29	19	10	27	18	6	3	1
7W 725	Z	OPR	H	5	+															
-54	-307	-255	-194	-141	-97	-241	-129	-58	-13	11	46	50	41	32	23	61	37	25	13	8
7W 725	X	OPR	H	5	+															
-31	231	222	189	152	118	336	225	149	90	51	84	48	29	18	9	26	15	7	3	3
7W 700	Z	OPR	H	5	+															
-63	-281	-240	-188	-138	-98	-248	-137	-65	-17	8	42	46	40	31	22	59	37	23	13	6
7W 700	X	OPR	H	5	+															
-22	156	153	133	112	92	268	190	126	80	50	78	47	28	18	11	29	10	12	3	3

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
7W 675 Z OPR	H 5	+																		
-43	-256	-218	-174	-131	-94	-240	-134	-65	-17	7	41	46	40	30	22	60	38	23	13	7
7W 675 X OPR	H 5	+																		
-26	85	88	84	77	64	207	151	107	69	42	72	45	27	16	11	29	14	9	7	3
7W 650 Z OPR	H 5	+																		
-35	-236	-207	-166	-127	-92	-239	-137	-69	-20	7	40	45	39	31	22	60	37	24	12	7
7W 650 X OPR	H 5	+																		
-29	42	52	53	51	49	161	127	96	63	41	71	44	27	17	12	29	19	11	6	2
7W 625 Z OPR	H 5	+																		
-35	-218	-191	-156	-120	-89	-235	-137	-67	-20	6	37	44	38	30	22	59	37	24	13	7
7W 625 X OPR	H 5	+																		
-23	27	28	34	36	37	130	105	83	59	41	74	51	31	21	13	33	19	13	6	3
7W 600 Z OPR	H 5	+																		
-32	-198	-177	-145	-114	-85	-231	-135	-70	-21	5	34	40	37	28	22	60	37	22	13	6
7W 600 X OPR	H 5	+																		
-20	3	11	20	26	26	101	92	73	55	40	76	52	32	21	14	38	21	10	9	2
7W 575 Z OPR	H 5	+																		
-27	-174	-156	-130	-102	-77	-207	-121	-61	-18	7	37	43	38	30	22	61	38	23	14	7
7W 575 X OPR	H 5	+																		
-18	5	11	16	19	21	83	77	66	49	36	64	49	30	20	14	28	16	10	5	3
7W 550 Z OPR	H 5	+																		
-24	-153	-137	-115	-93	-71	-194	-116	-60	-18	5	34	40	37	29	21	59	38	22	13	7
7W 550 X OPR	H 5	+																		
-19	-6	7	8	13	16	69	66	61	49	37	70	49	32	21	13	34	18	12	3	3
7W 525 Z OPR	H 5	+																		
-27	-135	-119	-101	-81	-63	-171	-102	-51	-14	7	35	42	37	29	22	56	37	23	13	6
7W 525 X OPR	H 5	+																		
-22	-23	-10	-1	8	10	60	64	60	49	36	69	52	34	23	16	37	24	16	7	3
7W 500 Z OPR	H 5	+																		
-21	-120	-110	-93	-76	-58	-165	-100	-53	-16	4	30	37	34	27	20	54	35	22	11	5
7W 500 X OPR	H 5	+																		
-19	-20	-8	-2	6	11	55	60	56	48	38	75	54	36	25	16	42	24	15	8	3
7W 475 Z OPR	H 5	+																		
-19	-108	-99	-84	-70	-54	-153	-95	-51	-16	3	28	34	32	26	19	54	34	21	11	6
7W 475 X OPR	H 5	+																		
-15	-12	-7	1	7	11	55	61	55	48	39	74	54	36	23	16	41	24	14	7	2
7W 450 Z OPR	H 5	+																		
-26	-100	-92	-79	-65	-51	-146	-92	-50	-18	2	24	32	30	24	19	51	34	20	12	6
7W 450 X OPR	H 5	+																		
-17	-15	-9	-1	4	9	49	54	54	47	39	78	54	39	25	17	44	25	17	6	2
7W 425 Z OPR	H 5	+																		
-20	-94	-86	-74	-61	-49	-141	-92	-52	-21	-2	18	28	27	22	17	48	29	20	21	5
7W 425 X OPR	H 5	+																		
-17	-23	-12	-2	2	6	39	45	50	45	38	80	57	39	25	16	44	25	15	6	1
7W 400 Z OPR	H 5	+																		
-15	-89	-81	-71	-59	-48	-139	-90	-52	-21	-1	18	26	27	23	17	48	30	19	10	5
7W 400 X OPR	H 5	+																		
-12	-21	-14	-9	-2	3	30	42	45	46	34	75	56	41	25	18	45	26	17	8	1

SOUTHERN GOLD RESOURCES LTD. CROWN HIVE PROPERTY
 EN-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
7W 375	Z	OPR	H 5	+																
-14	-82	-75	-66	-56	-46	-134	-89	-54	-24	-4	12	22	24	21	16	46	29	17	10	5
7W 375	X	OPR	H 5	+																
-15	-20	-12	-5	-1	6	32	45	45	44	39	80	57	40	27	17	44	30	15	7	3
7W 350	Z	OPR	H 5	+																
-22	-77	-70	-63	-54	-44	-132	-90	-55	-26	-7	9	19	22	20	16	43	28	18	10	6
7W 350	X	OPR	H 5	+																
-11	-27	-23	-17	-5	-2	14	32	42	40	38	80	62	43	28	19	50	31	17	9	3
7W 325	Z	OPR	H 5	+																
-12	-69	-65	-58	-50	-42	-127	-89	-58	-28	-9	2	16	19	17	14	39	26	14	8	3
7W 325	X	OPR	H 5	+																
-10	-29	-29	-15	-10	-2	12	32	41	41	37	79	61	42	27	20	52	32	18	11	3
7W 300	Z	OPR	H 5	+																
-8	-63	-62	-55	-48	-40	-125	-90	-58	-31	-11	-2	12	18	17	14	40	26	16	10	4
7W 300	X	OPR	H 5	+																
-13	-29	-23	-15	-8	-1	17	33	41	42	38	77	61	41	29	19	48	30	17	9	4
7W 275	Z	OPR	H 5	+																
-12	-58	-56	-51	-45	-39	-123	-90	-60	-33	-13	-8	9	16	15	13	37	25	16	7	4
7W 275	X	OPR	H 5	+																
-14	-38	-29	-21	-14	-7	-1	25	34	40	35	78	64	43	29	21	52	33	18	12	5
7W 250	Z	OPR	H 5	+																
-4	-53	-50	-47	-43	-37	-121	-90	-62	-36	-17	-14	4	12	14	12	34	24	17	8	4
7W 250	X	OPR	H 5	+																
-13	-34	-27	-22	-11	-6	4	21	36	38	36	77	62	41	30	21	49	31	19	11	5
7W 225	Z	OPR	H 5	+																
-5	-47	-46	-43	-38	-36	-114	-87	-62	-38	-17	-18	0	10	11	11	31	22	14	9	4
7W 225	X	OPR	H 5	+																
-6	-38	-32	-25	-17	-11	-13	9	24	31	32	71	58	43	30	21	54	34	19	13	3
7W 200	Z	OPR	H 5	+																
-12	-42	-41	-39	-36	-33	-110	-85	-61	-37	-20	-22	-3	9	11	10	31	20	14	8	4
7W 200	X	OPR	H 5	+																
-6	-39	-34	-28	-21	-13	-23	2	17	29	30	70	57	46	29	22	54	34	19	11	5
7W 175	Z	OPR	H 5	+																
-3	-37	-37	-36	-33	-30	-104	-84	-62	-39	-22	-26	-6	5	9	9	28	18	13	8	4
7W 175	X	OPR	H 5	+																
-9	-40	-37	-30	-22	-15	-31	-5	12	24	30	69	58	46	31	21	61	38	22	11	5
7W 150	Z	OPR	H 5	+																
-9	-35	-34	-33	-31	-29	-99	-81	-61	-39	-22	-29	-9	4	8	8	24	18	13	6	4
7W 150	X	OPR	H 5	+																
-9	-40	-35	-29	-22	-15	-33	-5	16	26	26	64	53	41	29	21	56	32	21	11	6
7W 125	Z	OPR	H 5	+																
-12	-31	-30	-30	-28	-26	-91	-76	-59	-38	-22	-28	-9	3	7	7	23	16	12	5	4
7W 125	X	OPR	H 5	+																
-8	-41	-39	-31	-24	-18	-41	-17	1	16	23	58	53	42	32	22	61	38	25	13	7
7W 100	Z	OPR	H 5	+																
-4	-27	-27	-27	-26	-24	-86	-72	-56	-39	-23	-32	-13	0	5	6	21	15	10	7	3
7W 100	X	OPR	H 5	+																
-12	-36	-32	-30	-22	-16	-38	-14	5	17	23	56	51	36	31	20	54	33	18	9	3

SOUTHERN GOLD RESOURCES LTD. CROWN RIVER PROPERTY
EM-37 Survey

Line, Primary Field	Station chl	Component ch2	Operator ch3	Frequency ch4	Gain ch5	Polarity ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
8V 1050 Z OPR		H 5	+																	
-387	263	218	167	125	93	262	179	125	82	56	100	71	48	33	23	64	40	26	16	10
8V 1050 X OPR		H 5	+																	
-34	39	24	15	14	11	41	29	22	13	6	7	2	-1	-1	-1	1	-3	-2	1	-0
8V 1025 Z OPR		H 5	+																	
-315	269	225	172	129	96	268	182	126	82	56	100	70	48	33	24	61	42	27	16	10
8V 1025 X OPR		H 5	+																	
-82	128	97	70	55	41	126	83	56	36	22	39	19	12	7	5	13	9	5	5	4
8V 1000 Z OPR		H 5	+																	
-270	272	228	175	131	97	271	185	127	84	55	101	70	48	33	24	63	40	26	16	9
8V 1000 X OPR		H 5	+																	
-69	161	121	90	70	53	151	107	70	41	26	44	24	15	10	6	15	7	7	5	1
8V 975 Z OPR		H 5	+																	
-207	264	223	172	129	95	265	181	125	82	54	96	69	47	33	23	62	40	27	16	10
8V 975 X OPR		H 5	+																	
-83	153	123	93	72	54	159	109	76	46	28	39	27	16	8	6	17	10	7	4	5
8V 950 Z OPR		H 5	+																	
-185	286	241	185	139	101	282	188	128	83	55	99	68	47	32	23	63	40	27	16	10
8V 950 X OPR		H 5	+																	
-67	174	139	109	83	62	177	126	82	51	29	44	27	16	9	6	16	11	8	5	2
8V 925 Z OPR		H 5	+																	
-162	289	246	190	141	103	281	184	123	79	54	98	67	46	33	22	60	39	27	15	10
8V 925 X OPR		H 5	+																	
-72	303	247	191	142	106	291	190	120	70	42	70	38	21	14	9	17	13	6	7	3
8V 900 Z OPR		H 5	+																	
-141	236	200	156	116	85	235	161	111	74	49	89	66	45	31	22	61	39	27	16	9
8V 900 X OPR		H 5	+																	
-67	311	251	195	143	105	290	193	127	73	40	56	36	20	11	7	12	17	7	5	4
8V 875 Z OPR		H 5	+																	
-114	201	173	137	103	75	212	145	100	67	46	90	64	46	31	21	53	38	29	15	6
8V 875 X OPR		H 5	+																	
-49	386	325	250	186	138	369	227	136	74	49	79	41	23	9	6	7	5	12	-1	-3
8V 850 Z OPR		H 5	+																	
-109	116	105	85	66	49	142	105	76	57	41	80	61	43	31	22	62	39	26	15	10
8V 850 X OPR		H 5	+																	
-44	473	393	295	219	157	425	267	167	92	53	71	45	20	12	7	20	8	11	4	4
8V 825 Z OPR		H 5	+																	
-97	-45	-26	-11	-3	4	24	29	28	30	34	77	52	42	31	22	64	43	25	16	10
8V 825 X OPR		H 5	+																	
-36	525	433	336	248	179	473	299	182	99	59	83	47	26	11	9	25	14	-7	9	9
8V 800 Z OPR		H 5	+																	
-68	-217	-172	-123	-84	-54	-117	-44	-8	11	20	52	47	38	29	21	57	36	26	15	9
8V 800 X OPR		H 5	+																	
-28	514	429	330	246	178	480	305	190	109	62	89	50	29	16	12	22	10	8	10	-0
8V 775 Z OPR		H 5	+																	
-59	-236	-190	-138	-96	-62	-145	-61	-19	7	16	46	46	37	28	21	57	41	23	15	9
8V 775 X OPR		H 5	+																	
-37	244	212	170	128	100	279	186	125	74	42	62	38	19	13	9	24	19	10	6	5

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity
Primary ch1 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 ch17 ch18 ch19 ch20
Field

8W 750 Z OPR	H 5 +																			
-59 -237 -195 -140		-100	-67	-156	-76	-26	1	13	42	43	33	29	20	57	37	27	14	10		
8W 750 X OPR	H 5 +																			
-37 195 170 140		108	85	240	168	113	68	39	63	37	23	12	10	22	14	10	8	5		
8W 725 Z OPR	H 5 +																			
-51 -219 -178 -133		-96	-63	-150	-75	-27	-3	14	41	41	35	27	20	55	36	23	15	10		
8W 725 X OPR	H 5 +																			
-24 139 128 102		83	69	201	142	100	64	38	62	39	23	15	11	29	19	17	14	12		
8W 700 Z OPR	H 5 +																			
-48 -193 -161 -122		-89	-59	-146	-74	-30	-1	11	40	41	33	26	20	55	37	25	14	10		
8W 700 X OPR	H 5 +																			
-19 96 89 79		68	55	170	125	88	60	38	65	42	27	17	12	30	22	13	7	6		
8W 400 Z OPR	H 5 +																			
-19 -91 -82 -70		-57	-45	-126	-78	-42	-14	1	19	29	28	23	18	50	34	23	15	10		
8W 400 X OPR	H 5 +																			
-15 -29 -19 -9		-0	6	46	56	55	51	41	82	60	41	26	18	45	28	19	10	6		
8W 375 Z OPR	H 5 +																			
-16 -84 -77 -66		-55	-44	-130	-86	-52	-22	-2	15	23	25	21	17	50	35	24	15	10		
8W 375 X OPR	H 5 +																			
-5 -34 -26 -17		-7	-0	28	51	61	51	40	79	63	41	27	20	43	29	20	10	6		
8W 350 Z OPR	H 5 +																			
-13 -80 -74 -65		-54	-44	-133	-89	-53	-25	-6	7	19	22	20	16	47	31	21	14	8		
8W 350 X OPR	H 5 +																			
-15 -35 -24 -14		-5	3	33	48	55	51	41	85	64	43	29	19	49	32	19	10	6		
8W 325 Z OPR	H 5 +																			
-15 -75 -70 -62		-53	-45	-134	-92	-58	-28	-10	1	14	19	18	14	45	31	21	14	8		
8W 325 X OPR	H 5 +																			
-9 -35 -24 -14		-6	1	24	37	42	42	41	88	64	44	29	20	49	30	17	11	6		
8W 300 Z OPR	H 5 +																			
-13 -68 -64 -59		-51	-43	-133	-95	-62	-33	-13	-7	9	17	16	14	41	28	20	13	8		
8W 300 X OPR	H 5 +																			
-13 -37 -27 -18		-9	-3	17	33	41	43	39	83	64	43	29	20	48	30	19	11	7		
8W 275 Z OPR	H 5 +																			
-11 -63 -59 -55		-48	-41	-129	-94	-62	-35	-15	-11	8	15	15	13	40	30	20	12	9		
8W 275 X OPR	H 5 +																			
-12 -36 -25 -17		-10	-2	14	34	44	45	38	80	63	42	28	19	47	30	18	10	6		
8W 250 Z OPR	H 5 +																			
-10 -55 -52 -49		-44	-38	-122	-90	-62	-36	-17	-15	3	12	14	12	36	27	18	13	8		
8W 250 X OPR	H 5 +																			
-10 -39 -31 -21		-14	-5	1	22	33	39	37	80	61	43	29	19	52	32	20	11	7		
8W 225 Z OPR	H 5 +																			
-13 -51 -48 -46		-41	-36	-115	-85	-59	-35	-18	-19	1	10	12	11	35	26	18	12	7		
8W 225 X OPR	H 5 +																			
-10 -36 -29 -19		-12	-5	5	19	26	33	36	81	58	42	29	19	50	30	19	11	6		
8W 200 Z OPR	H 5 +																			
-7 -43 -41 -41		-37	-33	-110	-86	-62	-38	-20	-24	-3	7	11	10	33	23	17	11	7		
8W 200 X OPR	H 5 +																			
-20 -42 -37 -28		-20	-13	-19	9	26	34	31	69	59	42	30	21	52	34	21	12	8		

SOUTHERN GOLD RESOURCES LTD. CROWN KINE PROPERTY
EN-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
8W 175 Z OPR	H 5	+																		
-1	-39	-40	-37	-35	-32	-106	-84	-60	-39	-22	-29	-7	5	9	9	30	22	16	11	7
8W 175 X OPR	H 5	+																		
-9	-40	-35	-27	-18	-12	-19	4	17	27	30	70	56	41	29	20	54	33	21	13	8
8W 150 Z OPR	H 5	+																		
-6	-33	-32	-32	-30	-27	-97	-80	-61	-41	-22	-29	-9	4	8	8	28	21	16	11	7
8W 150 X OPR	H 5	+																		
-6	-47	-42	-35	-27	-18	-36	1	24	32	25	55	57	39	29	21	53	36	24	14	8
8W 125 Z OPR	H 5	+																		
-6	-30	-30	-29	-28	-26	-92	-77	-59	-40	-24	-32	-11	2	7	8	26	21	16	12	8
8W 125 X OPR	H 5	+																		
-14	-43	-36	-30	-23	-16	-36	-10	10	20	25	61	53	41	30	21	55	36	22	14	8
8W 100 Z OPR	H 5	+																		
-7	-27	-26	-27	-26	-24	-87	-74	-57	-40	-25	-37	-15	-1	5	7	24	19	14	10	7
8W 100 X OPR	H 5	+																		
-12	-37	-37	-27	-22	-15	-33	-7	10	22	25	60	52	39	29	20	55	34	22	12	8
8W 75 Z OPR	H 5	+																		
-8	-23	-23	-24	-23	-22	-81	-69	-55	-40	-25	-37	-16	-2	5	6	23	18	13	10	7
8W 75 X OPR	H 5	+																		
-7	-38	-36	-29	-23	-17	-40	-15	2	16	20	52	47	37	28	20	55	35	21	15	7
8W 50 Z OPR	H 5	+																		
-6	-20	-21	-21	-21	-20	-74	-65	-54	-39	-25	-38	-18	-4	3	5	20	15	13	9	6
8W 50 X OPR	H 5	+																		
-5	-34	-27	-23	-18	-13	-34	-21	-8	6	21	54	44	36	27	20	52	35	19	13	7
8W 25 Z OPR	H 5	+																		
-10	-20	-19	-20	-20	-19	-70	-61	-51	-37	-25	-38	-18	-4	3	5	19	16	13	9	6
8W 25 X OPR	H 5	+																		
-7	-33	-29	-24	-19	-14	-33	-12	2	14	17	47	43	34	26	19	51	35	23	13	8
8W 0 Z OPR	H 5	+																		
-6	-17	-16	-18	-17	-17	-65	-59	-51	-37	-26	-41	-21	-6	1	3	15	15	12	8	6
8W 0 X OPR	H 5	+																		
-15	-36	-33	-29	-24	-18	-47	-17	4	14	13	35	41	32	25	18	47	33	20	11	8

SOUTHERN GOLD RESOURCES LTD. CROWN KINE PROPERTY
EN-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
9W 0 Z OPR	H 5	+																		
-3	-8	-7	-7	-7	-9	-47	-60	-63	-48	-21	-25	-21	-4	2	5	19	16	13	9	6
9W 0 X OPR	H 5	+																		
-9	-33	-30	-25	-21	-15	-42	-22	-8	6	14	41	38	31	23	18	49	33	19	12	7
9W 25 Z OPR	H 5	+																		
-5	-16	-17	-17	-17	-17	-66	-61	-51	-39	-25	-40	-20	-5	2	5	19	18	14	10	7
9W 25 X OPR	H 5	+																		
-3	-35	-33	-28	-21	-16	-43	-22	-4	7	15	41	39	32	25	18	50	33	21	14	8

SOUTHERN GOLD RESOURCES LTD. CROMWELL PROPERTY
 EX-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
9W 50 Z OPR	H 5 +																			
-7	-22	-22	-21	-21	-20	-74	-65	-53	-39	-25	-40	-18	-4	3	5	22	19	15	10	7
9W 50 X OPR	H 5 +																			
-11	-35	-33	-25	-20	-14	-35	-13	1	13	18	46	42	32	24	18	48	31	21	12	7
9W 75 Z OPR	H 5 +																			
-3	-23	-23	-23	-22	-21	-78	-69	-57	-41	-26	-39	-18	-3	3	5	22	18	15	10	7
9W 75 X OPR	H 5 +																			
-12	-37	-31	-25	-20	-13	-30	-8	7	18	21	53	46	35	25	18	46	30	18	11	7
9W 100 Z OPR	H 5 +																			
-8	-27	-28	-27	-26	-24	-86	-72	-57	-40	-26	-38	-17	-2	4	5	23	20	15	11	8
9W 100 X OPR	H 5 +																			
-11	-34	-28	-22	-15	-9	-15	5	16	24	26	59	48	34	25	18	45	29	19	11	6
9W 125 Z OPR	H 5 +																			
-9	-30	-31	-29	-27	-25	-88	-74	-58	-40	-25	-36	-15	-1	5	6	24	20	16	11	7
9W 125 X OPR	H 5 +																			
-7	-37	-30	-23	-18	-10	-17	3	18	24	27	61	51	37	26	18	48	29	18	11	5
9W 150 Z OPR	H 5 +																			
-9	-35	-35	-33	-31	-27	-93	-74	-55	-38	-21	-29	-9	3	7	8	28	22	18	12	8
9W 150 X OPR	H 5 +																			
-11	-39	-34	-26	-18	-11	-16	7	22	27	27	60	52	38	26	19	48	31	20	14	6
9W 175 Z OPR	H 5 +																			
-9	-37	-38	-35	-33	-29	-97	-77	-57	-38	-21	-27	-8	4	8	8	28	22	17	12	8
9W 175 X OPR	H 5 +																			
-8	-34	-22	-17	-12	-5	1	17	28	32	33	73	53	37	25	17	43	27	14	8	4
9W 200 Z OPR	H 5 +																			
-13	-44	-41	-39	-35	-30	-102	-78	-56	-36	-20	-25	-6	5	9	8	30	22	17	11	7
9W 200 X OPR	H 5 +																			
-9	-36	-28	-21	-13	-5	2	22	32	35	32	68	53	37	26	17	46	31	19	11	6
9W 225 Z OPR	H 5 +																			
-7	-50	-46	-43	-39	-33	-106	-80	-55	-35	-17	-19	-2	8	10	10	32	25	18	13	8
9W 225 X OPR	H 5 +																			
-7	-37	-31	-21	-12	-5	4	27	34	38	36	75	57	40	28	19	49	31	21	13	7
9W 250 Z OPR	H 5 +																			
-16	-54	-52	-47	-41	-35	-109	-81	-56	-33	-16	-15	1	10	12	11	36	27	18	14	8
9W 250 X OPR	H 5 +																			
-10	-36	-28	-18	-10	-3	15	29	37	40	37	79	60	42	29	19	50	29	20	10	7
9W 275 Z OPR	H 5 +																			
-6	-61	-57	-52	-46	-38	-117	-84	-54	-32	-15	-16	2	10	12	11	34	27	20	13	9
9W 275 X OPR	H 5 +																			
-21	-29	-24	-14	-7	-1	16	36	46	43	38	75	59	41	27	18	49	29	18	9	5
9W 300 Z OPR	H 5 +																			
-9	-68	-62	-55	-48	-39	-119	-85	-56	-31	-13	-9	6	13	14	12	38	27	19	13	8
9W 300 X OPR	H 5 +																			
-8	-30	-21	-12	-5	3	29	44	49	46	42	84	63	43	28	19	43	38	14	13	8
9W 325 Z OPR	H 5 +																			
-16	-69	-62	-55	-46	-37	-109	-74	-46	-23	-7	1	13	17	16	13	40	28	19	13	8
9W 325 X OPR	H 5 +																			
-13	-26	-14	-6	2	8	46	59	58	54	44	88	65	43	28	18	47	32	17	10	6

SOUTHERN GOLD RESOURCES LTD. CROWIN MINE PROPERTY
EM-37 Survey

Line	Station	Component	Operator	Frequency	Gain	Polarity	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
		Field																								
9W 550	Z	OPR	H	5	+																					
-35	-126	-102	-77	-66	-39	-95	-49	-20	0	9	32	32	27	22	16	45	30	19	12	6						
9W 550	X	OPR	H	5	+																					
-8	48	47	42	35	34	105	84	66	47	35	64	41	28	19	11	33	14	10	6	2						
9W 575	Z	OPR	H	5	+																					
-35	-132	-106	-78	-55	-38	-93	-50	-24	-3	11	36	32	28	20	17	45	29	20	11	5						
9W 575	X	OPR	H	5	+																					
-1	55	57	49	41	36	121	93	72	52	35	62	44	27	18	12	28	19	8	5	4						
9W 600	Z	OPR	H	5	+																					
-40	-141	-114	-84	-59	-41	-94	-49	-18	3	11	35	35	29	22	17	48	30	21	12	7						
9W 600	X	OPR	H	5	+																					
-5	74	69	59	51	42	136	98	76	53	35	65	40	27	17	10	28	16	9	4	1						
9W 625	Z	OPR	H	5	+																					
-34	-154	-120	-90	-63	-42	-98	-48	-16	2	12	36	35	29	23	17	47	31	20	12	6						
9W 625	X	OPR	H	5	+																					
-15	92	84	74	58	49	151	114	82	56	35	61	43	25	15	10	26	15	6	3	3						
9W 650	Z	OPR	H	5	+																					
-42	-160	-127	-93	-64	-41	-95	-44	-12	5	14	41	37	31	24	18	50	32	21	11	6						
9W 650	X	OPR	H	5	+																					
-9	125	108	90	73	57	174	124	88	57	36	61	34	24	16	7	21	13	8	2	0						
9W 675	Z	OPR	H	5	+																					
-52	-182	-145	-105	-72	-47	-108	-50	-15	6	14	39	39	31	26	18	49	31	23	11	7						
9W 675	X	OPR	H	5	+																					
-13	101	89	73	60	49	156	120	91	61	34	56	41	24	15	10	24	14	11	5	3						
9W 700	Z	OPR	H	5	+																					
-55	-212	-165	-120	-81	-53	-120	-54	-18	5	15	43	40	34	25	19	52	33	23	12	7						
9W 700	X	OPR	H	5	+																					
-26	135	117	98	78	63	192	136	98	62	41	67	44	26	16	10	25	16	8	4	2						
9W 725	Z	OPR	H	5	+																					
-51	-271	-209	-154	-104	-69	-154	-72	-19	5	11	36	43	33	25	20	53	31	23	13	6						
9W 725	X	OPR	H	5	+																					
-28	157	140	112	90	71	210	149	109	69	45	70	50	31	17	13	28	18	13	5	5						
9W 750	Z	OPR	H	5	+																					
-59	-312	-245	-175	-119	-78	-175	-84	-32	1	12	38	42	35	26	20	53	36	24	12	8						
9W 750	X	OPR	H	5	+																					
-31	203	174	140	111	84	243	169	113	74	44	77	45	28	17	10	30	13	7	4	1						
9W 775	Z	OPR	H	5	+																					
-75	-356	-277	-196	-131	-85	-189	-90	-30	-2	14	43	43	36	28	20	58	36	24	13	8						
9W 775	X	OPR	H	5	+																					
-26	203	180	141	108	83	229	163	110	71	40	76	44	28	18	10	28	13	9	5	-1						
9W 800	Z	OPR	H	5	+																					
-83	-468	-363	-257	-173	-112	-251	-121	-50	-9	9	38	40	36	27	20	58	38	24	15	8						
9W 800	X	OPR	H	5	+																					
-62	347	288	226	165	123	339	223	143	89	53	84	49	27	17	6	29	16	12	4	0						
9W 825	Z	OPR	H	5	+																					
-106	-221	-155	-103	-64	-36	-66	-16	10	21	27	61	52	41	30	21	56	38	25	13	8						
9W 825	X	OPR	H	5	+																					
-59	675	552	418	295	209	535	333	194	114	69	100	54	29	14	11	19	15	9	4	-1						

SOUTHERN GOLD RESOURCES LTD. CRONIN HINE PROPERTY
EM-37 Survey

Line	Station	Component	Operator	Frequency	Gain	Polarity	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
		Field																								
9W 850	Z	OPR	H 5	+																						
-117	-15	11	18	18	18	67	66	64	50	36	71	60	42	30	21	57	37	24	14	7						
9W 850	X	OPR	H 5	+																						
-57	591	482	353	251	177	471	291	192	108	57	89	54	29	17	10	17	14	8	3	-1						
9W 875	Z	OPR	H 5	+																						
-118	81	71	58	45	36	109	84	64	48	36	71	54	39	27	20	56	36	24	16	9						
9W 875	X	OPR	H 5	+																						
-50	316	284	215	162	119	317	207	137	77	47	66	39	24	14	10	20	13	8	2	2						
9W 900	Z	OPR	H 5	+																						
-130	147	125	99	74	55	160	111	80	56	40	77	55	40	28	20	55	36	23	14	8						
9W 900	X	OPR	H 5	+																						
-47	299	240	191	139	106	274	193	121	72	37	60	34	21	13	6	21	12	11	4	11						
9W 925	Z	OPR	H 5	+																						
-133	227	191	147	110	81	223	148	101	66	47	87	60	41	29	20	56	38	23	16	9						
9W 925	X	OPR	H 5	+																						
-63	230	190	146	111	83	238	156	96	75	29	53	30	18	11	5	20	3	8	0	2						
9W 950	Z	OPR	H 5	+																						
-164	215	183	141	105	79	219	151	102	69	47	86	62	41	29	21	56	38	25	16	10						
9W 950	X	OPR	H 5	+																						
-54	171	142	112	85	65	185	125	85	50	31	43	30	16	8	8	11	13	4	6	2						
9W 975	Z	OPR	H 5	+																						
-187	205	172	134	103	76	216	149	104	69	48	88	61	42	29	20	58	38	25	16	9						
9W 975	X	OPR	H 5	+																						
-90	177	149	115	88	67	192	130	88	55	32	53	35	21	13	8	25	18	9	6	4						
9W 1000	Z	OPR	H 5	+																						
-218	201	171	133	101	77	217	150	103	71	49	91	61	44	30	21	57	38	26	17	9						
9W 1000	X	OPR	H 5	+																						
-81	130	107	83	67	50	148	101	66	43	27	43	25	14	10	4	15	8	3	1	1						
9W 1025	Z	OPR	H 5	+																						
-268	204	171	134	103	78	222	154	108	73	51	93	65	45	31	21	60	38	27	16	10						
9W 1025	X	OPR	H 5	+																						
-113	122	99	76	60	48	135	98	65	42	24	42	24	18	9	8	14	12	9	5	3						
9W 1050	Z	OPR	H 5	+																						
-340	194	162	127	98	75	215	150	105	72	50	91	64	43	30	22	58	39	25	16	10						
9W 1050	X	OPR	H 5	+																						
-112	119	94	74	56	41	125	83	56	36	22	39	21	15	7	7	19	4	5	5	-0						
9W 1075	Z	OPR	H 5	+																						
-423	182	151	120	92	70	205	147	106	72	49	88	63	43	30	21	58	40	26	16	10						
9W 1075	X	OPR	H 5	+																						
-121	92	61	47	41	36	87	75	43	30	19	28	21	11	8	4	19	10	7	6	4						
9W 1100	Z	OPR	H 5	+																						
-544	186	154	122	94	72	210	147	102	71	50	92	62	43	31	21	60	39	25	15	10						
9W 1100	X	OPR	H 5	+																						
-127	87	61	50	39	30	95	65	44	27	21	38	11	10	5	6	6	8	2	4	2						
9W 1125	Z	OPR	H 5	+																						
-764	190	156	123	95	73	214	151	105	72	51	95	63	44	31	21	58	40	27	15	9						
9W 1125	X	OPR	H 5	+																						
-224	28	20	17	12	14	46	35	30	17	10	12	8	5	2	4	11	5	3	3	2						

SOUTHERN GOLD RESOURCES LTD. CROWN NINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
10W 1000 Z OPR	H 5 +																			
-262	288	227	165	119	86	238	162	113	76	53	95	65	44	30	21	57	36	23	13	8
10W 1000 X OPR	H 5 +																			
-85	242	182	133	97	71	196	127	83	50	30	48	29	16	9	7	11	8	5	2	0
10W 975 Z OPR	H 5 +																			
-214	276	218	158	113	82	224	153	107	72	50	91	63	43	29	20	54	36	22	13	7
10W 975 X OPR	H 5 +																			
-79	303	234	171	123	90	247	157	106	62	39	61	35	21	13	7	21	-4	14	3	0
10W 950 Z OPR	H 5 +																			
-188	258	203	147	105	75	207	142	100	69	48	88	62	42	29	20	55	36	23	14	8
10W 950 X OPR	H 5 +																			
-66	327	253	185	133	97	258	171	108	65	37	62	33	19	13	7	15	7	6	0	2
10W 925 Z OPR	H 5 +																			
-166	228	178	129	92	66	184	127	92	64	45	85	60	41	28	19	54	35	22	12	7
10W 925 X OPR	H 5 +																			
-59	381	287	215	153	108	293	187	120	69	43	66	42	21	15	7	21	10	5	1	4
10W 900 Z OPR	H 5 +																			
-130	167	133	97	69	51	144	104	77	56	42	80	57	40	27	20	53	34	22	12	7
10W 900 X OPR	H 5 +																			
-60	447	340	249	180	126	339	215	130	83	47	78	35	28	14	8	23	10	7	5	2
10W 875 Z OPR	H 5 +																			
-132	83	71	54	40	31	95	76	61	48	38	72	56	38	28	20	52	36	23	13	7
10W 875 X OPR	H 5 +																			
-53	480	373	269	192	135	359	227	141	81	48	74	40	23	13	8	16	9	6	0	-2
10W 850 Z OPR	H 5 +																			
-111	-63	-41	-24	-13	-5	10	24	32	33	29	60	49	35	25	19	51	34	21	13	7
10W 850 X OPR	H 5 +																			
-64	444	351	253	180	126	344	226	154	93	45	63	47	23	13	7	23	10	5	4	3
10W 825 Z OPR	H 5 +																			
-99	-142	-102	-67	-41	-25	-39	-5	12	23	22	54	45	35	24	19	50	32	21	13	5
10W 825 X OPR	H 5 +																			
-44	383	307	226	163	117	316	204	135	80	46	71	43	24	15	9	20	12	6	3	0
10W 800 Z OPR	H 5 +																			
-82	-171	-123	-84	-54	-32	-60	-18	6	18	22	50	43	34	25	19	49	33	22	13	7
10W 800 X OPR	H 5 +																			
-31	297	246	183	137	100	273	181	124	74	45	77	46	28	15	13	26	17	11	13	7
10W 775 Z OPR	H 5 +																			
-71	-159	-117	-80	-51	-30	-99	-16	10	17	23	51	43	34	24	18	51	33	23	13	7
10W 775 X OPR	H 5 +																			
-31	240	198	152	111	84	238	167	118	74	41	64	44	25	18	9	26	21	15	11	9
10W 750 Z OPR	H 5 +																			
-55	-149	-115	-79	-52	-32	-64	-18	5	17	19	47	41	31	24	17	51	32	20	12	9
10W 750 X OPR	H 5 +																			
-22	210	172	134	103	76	222	151	104	66	44	72	40	26	16	10	27	13	8	2	0
10W 725 Z OPR	H 5 +																			
-52	-144	-108	-76	-50	-31	-64	-20	3	14	18	46	39	30	23	17	48	33	20	12	7
10W 725 X OPR	H 5 +																			
-17	178	150	120	89	70	200	143	99	60	40	70	39	27	18	10	26	15	8	2	0

SOUTHERN GOLD RESOURCES LTD. CROKIN HINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
10W 700 Z OPR H 5 +																				
-50 -139 -108 -76	-52	-33	-71	-29	-3	10	15	40	35	29	21	16	45	30	19	12	7			
10W 700 X OPR H 5 +																				
-15 148 133 102	81	63	184	128	86	58	39	64	39	25	14	11	27	10	9	5	1			
10W 675 Z OPR H 5 +																				
-39 -141 -109 -78	-53	-35	-76	-33	-8	8	14	36	34	28	21	15	42	28	19	11	5			
10W 675 X OPR H 5 +																				
-5 122 109 89	69	54	168	119	91	55	37	64	43	25	15	11	24	19	8	2	-2			
10W 650 Z OPR H 5 +																				
-38 -135 -107 -76	-52	-34	-76	-32	-7	8	13	37	34	27	20	15	44	29	19	12	6			
10W 650 X OPR H 5 +																				
105 95 77	60	51	145	111	78	51	33	57	36	21	12	9	20	13	8	4	3			
10W 625 Z OPR H 5 +																				
-39 -130 -101 -75	-51	-34	-76	-35	-10	5	13	34	32	26	21	15	44	26	19	11	5			
10W 625 X OPR H 5 +																				
-10 93 83 68	57	45	142	107	76	52	35	57	39	24	16	9	28	11	10	9	-1			
10W 600 Z OPR H 5 +																				
-41 -125 -99 -73	-51	-34	-80	-38	-13	2	11	31	30	25	19	15	40	28	17	11	6			
10W 600 X OPR H 5 +																				
-8 58 57 50	40	35	113	86	70	47	35	63	42	30	17	12	28	22	9	6	2			
10W 575 Z OPR H 5 +																				
-25 -120 -96 -71	-51	-34	-83	-42	-15	0	9	28	28	23	18	15	42	28	20	13	7			
10W 575 X OPR H 5 +																				
-13 58 54 50	39	36	112	92	63	48	32	59	38	28	15	11	28	21	5	6	3			
10W 550 Z OPR H 5 +																				
-13 -111 -93 -67	-47	-33	-78	-40	-16	2	10	29	29	24	19	14	42	27	18	10	6			
10W 550 X OPR H 5 +																				
-6 57 51 46	39	35	109	86	64	45	32	57	39	24	15	9	26	11	7	2	1			
10W 525 Z OPR H 5 +																				
-29 -108 -87 -65	-46	-32	-79	-40	-16	0	8	28	26	23	18	14	41	26	19	10	6			
10W 525 X OPR H 5 +																				
-5 37 27 26	22	21	64	53	45	30	24	43	32	19	15	10	12	18	5	5	2			
10W 500 Z OPR H 5 +																				
-27 -106 -86 -65	-47	-33	-83	-43	-17	-1	7	24	25	23	18	14	39	27	19	11	6			
10W 500 X OPR H 5 +																				
-17 29 29 29	29	25	90	74	58	43	30	54	34	24	14	9	26	14	8	6	2			
10W 475 Z OPR H 5 +																				
-25 -102 -83 -63	-47	-34	-81	-44	-19	-1	6	24	27	22	18	13	40	25	19	10	6			
10W 475 X OPR H 5 +																				
-6 29 31 29	29	26	91	75	60	43	33	58	40	26	14	10	21	16	7	3	0			
10W 325 Z OPR H 5 +																				
-12 -56 -52 -43	-36	-28	-84	-55	-32	-13	-2	9	16	18	15	12	39	24	21	11	9			
10W 325 X OPR H 5 +																				
-5 -16 -11 -4	1	8	36	48	47	41	37	77	54	37	25	16	44	26	21	9	5			
10W 300 Z OPR H 5 +																				
-12 -59 -54 -47	-39	-32	-94	-63	-38	-18	-7	-1	11	14	14	11	35	27	20	13	9			
10W 300 X OPR H 5 +																				
-3 -19 -12 -6	4	7	43	50	54	47	39	78	57	38	26	17	44	25	16	12	5			

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity
Primary ch1 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 ch17 ch18 ch19 ch20
Field

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity
Primary ch1 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 ch17 ch18 ch19 ch20
Field

11W 0 Z OPR	H 5 +																			
-8 -11 -12 -13		-14	-14	-57	-56	-53	-43	-31	-55	-33	-14	-3	1	15	16	14	10	8		
11W 0 X OPR	H 5 +																			
-4 -32 -25 -21		-16	-12	-26	-7	5	13	16	42	39	29	22	16	39	26	19	11	7		
11W 25 Z OPR	H 5 +																			
-4 -17 -17 -18		-18	-18	-66	-60	-51	-41	-30	-53	-29	-11	-2	2	18	17	16	12	9		
11W 25 X OPR	H 5 +																			
-3 -33 -27 -24		-16	-12	-24	-7	6	16	20	48	40	33	22	17	41	26	20	12	7		
11W 50 Z OPR	H 5 +																			
-4 -19 -19 -20		-20	-19	-69	-62	-52	-40	-29	-48	-27	-10	-0	3	19	18	16	11	8		
11W 50 X OPR	H 5 +																			
-8 -32 -27 -21		-14	-9	-13	2	15	23	24	53	44	31	21	15	39	23	18	9	5		
11W 75 Z OPR	H 5 +																			
-5 -28 -28 -27		-25	-23	-84	-73	-60	-46	-32	-54	-30	-11	-1	3	21	18	14	11	6		
11W 75 X OPR	H 5 +																			
-5 -46 -33 -24		-15	-7	-5	14	28	32	33	71	55	38	25	17	47	30	17	11	8		
11W 100 Z OPR	H 5 +																			
-5 -34 -33 -31		-28	-25	-85	-71	-58	-42	-29	-45	-23	-7	1	5	23	20	14	11	7		
11W 100 X OPR	H 5 +																			
-2 -42 -36 -24		-15	-8	-7	15	27	34	33	75	59	42	28	18	48	28	18	8	5		
11W 125 Z OPR	H 5 +																			
-9 -40 -37 -34		-30	-26	-90	-71	-54	-38	-25	-40	-18	-4	3	5	24	22	16	11	7		
11W 125 X OPR	H 5 +																			
-4 -45 -37 -25		-15	-7	-2	19	29	34	33	74	57	39	26	18	47	30	16	11	5		
11W 150 Z OPR	H 5 +																			
0 -44 -40 -36		-31	-27	-89	-69	-53	-36	-21	-30	-14	-1	5	6	25	22	15	10	6		
11W 150 X OPR	H 5 +																			
-6 -46 -39 -26		-16	-8	-4	17	28	35	34	73	57	40	27	18	47	31	17	11	5		
11W 175 Z OPR	H 5 +																			
-6 -52 -50 -43		-35	-30	-95	-70	-52	-33	-18	-22	-7	3	8	8	29	23	17	11	6		
11W 175 X OPR	H 5 +																			
-9 -43 -29 -20		-12	-4	10	24	37	38	36	74	58	39	25	18	43	24	15	8	2		
11W 200 Z OPR	H 5 +																			
-10 -61 -53 -47		-39	-32	-99	-73	-49	-32	-17	-22	-5	4	8	9	29	24	17	11	8		
11W 200 X OPR	H 5 +																			
-11 -42 -24 -15		-9	-1	18	34	40	40	37	76	59	39	25	17	39	28	15	7	2		
11W 225 Z OPR	H 5 +																			
-5 -64 -58 -49		-41	-33	-98	-71	-50	-29	-14	-15	-2	7	9	9	31	25	17	13	7		
11W 225 X OPR	H 5 +																			
-9 -30 -25 -11		-3	2	29	43	43	43	36	76	54	36	23	15	39	24	15	7	4		

SOUTHERN GOLD RESOURCES LTD. CROWN HIRE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
11W 250 Z OPR	H 5 +																			
-6 -66 -59 -50	-41	-32	-99	-69	-47	-25	-12	-10	0	9	10	9	33	23	16	10	5			
11W 250 X OPR	H 5 +																			
0 -23 -10 -2	4	9	46	54	54	47	39	79	56	36	24	15	36	23	14	5	4			
11W 275 Z OPR	H 5 +																			
-7 -67 -59 -49	-40	-31	-92	-62	-39	-21	-8	-2	7	11	12	10	33	26	16	12	6			
11W 275 X OPR	H 5 +																			
-6 -17 3 2	9	14	58	61	56	50	39	77	57	36	23	15	34	20	14	5	4			
11W 300 Z OPR	H 5 +																			
-9 -66 -57 -47	-38	-29	-83	-56	-33	-16	-5	4	12	13	14	10	34	24	17	11	6			
11W 300 X OPR	H 5 +																			
-9 -20 -2 3	7	13	57	56	59	46	39	75	56	35	22	15	38	22	10	3	0			
11W 525 Z OPR	H 5 +																			
-13 -86 -69 -52	-37	-25	-62	-34	-14	-1	8	27	25	21	17	13	37	26	18	10	6			
11W 525 X OPR	H 5 +																			
-5 32 31 30	28	25	85	70	54	42	29	53	35	22	15	10	16	8	15	1	2			
11W 550 Z OPR	H 5 +																			
-22 -93 -77 -56	-41	-28	-67	-35	-14	0	8	27	25	22	17	13	38	26	18	11	6			
11W 550 X OPR	H 5 +																			
-12 50 44 40	35	31	100	75	66	44	32	54	39	23	14	11	22	13	8	5	1			
11W 575 Z OPR	H 5 +																			
-26 -94 -76 -56	-40	-27	-64	-32	-12	0	11	28	26	22	17	13	39	26	18	10	6			
11W 575 X OPR	H 5 +																			
-5 58 55 45	39	33	113	83	64	46	33	57	39	24	16	10	26	18	10	5	3			
11W 600 Z OPR	H 5 +																			
-36 -94 -76 -56	-39	-26	-60	-27	-8	5	11	31	28	24	18	14	40	26	17	11	6			
11W 600 X OPR	H 5 +																			
-5 67 56 48	45	36	107	84	67	45	32	61	34	26	15	9	23	17	-13	12	0			
11W 625 Z OPR	H 5 +																			
-30 -96 -78 -57	-39	-26	-59	-28	-7	5	11	34	28	23	18	14	39	26	19	10	6			
11W 625 X OPR	H 5 +																			
-5 79 66 59	47	39	125	94	66	49	33	59	35	23	21	8	23	12	6	3	2			
11W 650 Z OPR	H 5 +																			
-31 -96 -76 -55	-38	-24	-54	-22	-4	8	13	36	31	25	19	14	40	27	18	11	5			
11W 650 X OPR	H 5 +																			
-2 101 84 71	55	46	135	102	74	49	31	55	34	21	11	9	19	9	6	1	-2			
11W 675 Z OPR	H 5 +																			
-33 -94 -73 -52	-35	-23	-46	-17	0	12	16	39	33	26	19	15	42	29	20	11	6			
11W 675 X OPR	H 5 +																			
-8 113 96 76	61	49	147	106	75	53	33	55	34	22	14	9	19	12	9	2	1			
11W 700 Z OPR	H 5 +																			
-39 -91 -70 -50	-33	-20	-41	-13	4	13	17	40	34	27	20	15	42	28	19	12	6			
11W 700 X OPR	H 5 +																			
-18 121 104 83	65	53	153	113	79	53	32	54	37	22	13	9	18	13	6	5	2			
11W 725 Z OPR	H 5 +																			
-36 -86 -67 -46	-31	-19	-34	-7	8	16	18	43	36	28	21	16	42	29	19	12	6			
11W 725 X OPR	H 5 +																			
-9 144 122 96	75	59	170	122	84	55	36	57	37	22	13	6	27	12	15	2	1			

SOUTHERN GOLD RESOURCES LTD. CROMIN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity
Primary ch1 ch2 ch3 ch4 ch5 ch6 ch7 ch8 ch9 ch10 ch11 ch12 ch13 ch14 ch15 ch16 ch17 ch18 ch19 ch20
Field

11W 750 Z OPR	H 5 +																			
-44 -83 -64 -44		-30	-17	-31	-5	10	18	19	43	36	29	21	16	43	29	20	12	7		
11W 750 X OPR	H 5 +																			
-15 153 130 102		78	62	178	126	83	57	35	59	38	21	14	10	10	11	7	1	2		
11W 775 Z OPR	H 5 +																			
-58 -87 -68 -46		-30	-17	-31	-1	14	20	21	47	39	30	22	16	45	30	20	12	7		
11W 775 X OPR	H 5 +																			
-35 169 143 111		86	65	193	137	101	64	40	64	42	25	18	9	23	13	10	-5	2		
11W 800 Z OPR	H 5 +																			
-70 -84 -65 -43		-27	-15	-21	5	18	23	23	52	42	32	24	17	48	31	21	12	2		
11W 800 X OPR	H 5 +																			
-27 206 173 133		101	77	219	155	103	66	40	66	41	25	15	9	24	13	7	3	1		
11W 825 Z OPR	H 5 +																			
-88 -77 -57 -38		-22	-12	-12	11	22	25	25	54	43	33	23	17	48	32	22	13	7		
11W 825 X OPR	H 5 +																			
-26 246 207 154		116	87	243	164	109	67	41	55	44	24	15	8	36	-2	4	8	1		
11W 850 Z OPR	H 5 +																			
-91 -48 -33 -20		-9	-2	11	25	30	30	27	58	45	34	24	17	48	31	21	13	6		
11W 850 X OPR	H 5 +																			
-42 267 217 166		125	89	254	163	111	73	39	64	42	23	12	8	21	11	4	5	-4		
11W 867 Z OPR	H 5 +																			
-115 -23 -13 -6		0	4	29	36	38	34	29	60	47	33	24	18	49	32	21	12	8		
11W 867 X OPR	H 5 +																			
-35 289 236 175		130	96	262	175	113	69	41	66	40	21	14	8	19	10	5	3	-1		
11W 875 Z OPR	H 5 +																			
-109 13 16 17		16	15	58	54	49	40	33	65	49	35	25	18	48	33	21	13	7		
11W 875 X OPR	H 5 +																			
-35 299 232 175		129	94	253	173	110	67	38	64	35	23	14	6	11	10	8	6	-5		
11W 900 Z OPR	H 5 +																			
-135 44 42 35		29	25	86	70	58	46	36	69	51	36	27	17	51	33	22	13	7		
11W 900 X OPR	H 5 +																			
-47 286 231 177		123	93	253	167	109	66	38	38	35	21	10	7	19	7	10	-1	0		
11W 925 Z OPR	H 5 +																			
-146 95 80 62		49	38	118	91	71	52	39	74	54	37	26	18	49	33	21	12	7		
11W 925 X OPR	H 5 +																			
-36 296 225 167		130	90	246	169	109	62	48	52	30	17	7	7	2	5	2	3	2		
11W 950 Z OPR	H 5 +																			
-162 162 129 98		73	56	163	119	86	61	45	84	57	40	27	19	54	34	21	13	7		
11W 950 X OPR	H 5 +																			
-53 283 218 164		121	87	238	162	104	63	37	56	35	16	8	8	21	10	4	1	0		
11W 975 Z OPR	H 5 +																			
-187 191 152 113		85	64	183	132	94	66	46	84	59	40	27	19	51	34	22	13	7		
11W 975 X OPR	H 5 +																			
-57 224 177 133		96	75	203	130	86	53	29	46	28	14	7	4	11	6	1	0	0		
11W 1000 Z OPR	H 5 +																			
-234 199 159 120		90	68	194	138	99	69	48	88	61	41	28	19	53	34	22	13	7		
11W 1000 X OPR	H 5 +																			
-47 205 162 119		88	64	183	119	77	48	27	41	25	15	8	6	8	5	3	-2	1		

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
EM-17 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
11W 1025 Z	OPR	H 5	+																	
-260	211	169	128	96	72	207	147	103	72	48	91	62	42	28	20	53	34	21	13	6
11W 1025 X	OPR	H 5	+																	
-54	184	148	105	79	57	153	116	66	43	23	35	22	12	8	4	11	1	7	0	-1
11W 1050 Z	OPR	H 5	+																	
-312	210	167	127	95	72	207	146	104	72	49	88	61	40	27	20	52	35	20	15	6
11W 1050 X	OPR	H 5	+																	
-68	163	131	99	69	55	151	100	66	39	25	38	23	10	8	4	10	5	2	-2	-1
11W 1075 Z	OPR	H 5	+																	
-372	224	178	135	101	76	219	154	108	74	51	92	62	41	28	20	52	34	22	13	7
11W 1075 X	OPR	H 5	+																	
-104	122	94	72	53	43	110	91	55	33	19	31	9	10	8	0	6	2	1	-2	2
11W 1100 Z	OPR	H 5	+																	
-464	231	183	138	104	78	225	158	113	76	52	93	62	41	28	20	53	34	22	12	6
11W 1100 X	OPR	H 5	+																	
-82	79	66	51	39	30	87	60	42	23	11	13	18	2	1	1	-2	0	-3	4	-9
11W 1125 Z	OPR	H 5	+																	
-661	230	182	137	103	79	226	161	113	76	51	91	63	41	27	19	52	34	22	12	7
11W 1125 X	OPR	H 5	+																	
-92	53	49	36	28	22	64	43	31	18	8	6	9	1	-2	-1	-5	13	-3	0	-10
11W 1150 Z	OPR	H 5	+																	
-1035	228	181	137	104	78	227	161	114	76	52	94	60	41	28	19	50	34	20	12	6
11W 1150 X	OPR	H 5	+																	
-8	42	35	23	20	14	45	29	22	13	4	3	1	-2	-1	-2	-17	-5	-1	-15	-1
11W 1175 Z	OPR	H 5	+																	
-1688	223	182	136	102	78	225	160	113	77	51	89	62	40	29	18	50	33	21	12	6
11W 1175 X	OPR	H 5	+																	
1	21	21	15	15	12	34	25	15	9	4	7	0	-1	0	-1	-6	-6	-5	1	-2
11W 1200 Z	OPR	H 5	+																	
-3063	216	181	134	102	77	225	158	112	75	51	90	60	40	27	18	50	32	20	12	6
11W 1200 X	OPR	H 5	+																	
382	36	31	22	15	13	40	25	18	11	6	12	-6	8	2	-1	2	-1	-2	0	-11

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
12W 1200 Z	OPR	H 5	+																	
-1317	275	209	156	115	87	249	173	121	80	54	95	63	41	27	19	51	33	21	12	6
12W 1200 X	OPR	H 5	+																	
187	76	47	33	25	17	49	31	21	11	7	8	5	2	0	1	-3	-3	-2	0	0
12W 1175 Z	OPR	H 5	+																	
-795	270	209	156	116	88	251	176	121	81	55	97	64	42	28	20	51	34	21	12	6
12W 1175 X	OPR	H 5	+																	
12	106	70	48	34	23	64	46	27	16	11	19	8	5	4	2	7	3	2	-1	1

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
 EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
12W 850 Z OPR	H 5 +																			
-88 -10 3 9				13	14	54	52	45	37	30	60	45	31	22	16	43	29	19	12	6
12W 850 X OPR	H 5 +																			
-21 247 200 156				117	87	243	166	108	67	39	64	37	22	11	8	22	10	5	2	0
12W 825 Z OPR	H 5 +																			
-81 -23 -9 -1				4	8	35	38	34	32	27	54	41	29	21	15	42	28	18	11	6
12W 825 X OPR	H 5 +																			
-13 225 182 142				108	80	229	156	102	61	44	68	38	24	14	9	22	11	7	6	4
12W 800 Z OPR	H 5 +																			
-70 -12 -3 4				8	10	42	40	36	31	26	53	39	28	20	14	40	27	18	11	6
12W 800 X OPR	H 5 +																			
-10 197 164 128				98	74	218	145	100	63	38	64	42	30	14	8	18	8	3	-8	-1
12W 775 Z OPR	H 5 +																			
-47 -43 -29 -18				-10	-4	4	17	23	23	20	43	34	26	19	14	38	25	17	10	6
12W 775 X OPR	H 5 +																			
-2 171 136 107				85	63	182	130	88	58	33	53	34	20	12	8	13	10	7	4	1
12W 750 Z OPR	H 5 +																			
-48 -56 -42 -28				-18	-10	-12	8	18	21	17	38	32	24	18	13	36	26	16	10	5
12W 750 X OPR	H 5 +																			
-8 139 123 94				73	57	163	128	92	63	32	55	40	23	14	11	19	15	15	1	10
12W 725 Z OPR	H 5 +																			
-31 -61 -46 -31				-20	-11	-17	2	13	18	18	37	32	24	18	13	39	25	17	11	6
12W 725 X OPR	H 5 +																			
-2 126 106 87				69	53	158	109	80	50	32	48	32	18	11	6	15	10	4	1	0
12W 700 Z OPR	H 5 +																			
-56 -66 -51 -35				-23	-13	-23	-2	9	15	16	38	31	24	18	13	38	25	17	11	6
12W 700 X OPR	H 5 +																			
-8 119 105 78				64	55	149	114	84	47	31	53	39	20	14	7	17	12	7	1	1
12W 675 Z OPR	H 5 +																			
-33 -78 -60 -43				-29	-19	-39	-14	2	10	13	32	28	22	17	12	34	24	16	11	6
12W 675 X OPR	H 5 +																			
-8 114 96 80				63	49	149	110	76	50	34	55	36	19	15	8	19	12	7	2	1
12W 650 Z OPR	H 5 +																			
-36 -82 -64 -47				-31	-20	-45	-18	-1	8	12	31	26	21	17	13	35	23	17	10	6
12W 650 X OPR	H 5 +																			
-6 98 74 74				60	43	133	110	70	43	30	54	38	26	17	8	16	15	7	2	-1
12W 625 Z OPR	H 5 +																			
-20 -83 -65 -48				-32	-21	-48	-20	-3	7	11	29	27	21	16	12	36	24	16	10	6
12W 625 X OPR	H 5 +																			
3 88 77 64				53	42	129	96	71	47	31	53	33	21	13	7	25	8	0	3	1
12W 600 Z OPR	H 5 +																			
-27 -84 -67 -50				-35	-23	-54	-24	-5	4	9	26	25	20	16	12	34	25	17	11	6
12W 600 X OPR	H 5 +																			
-16 74 63 54				47	37	114	89	66	48	29	54	33	23	13	7	21	11	6	4	0
12W 575 Z OPR	H 5 +																			
-23 -83 -66 -49				-34	-23	-55	-28	-7	4	8	25	23	20	15	12	33	24	15	11	5
12W 575 X OPR	H 5 +																			
3 62 56 49				41	34	108	83	63	44	29	53	34	20	14	7	19	12	5	2	2

SOUTHERN GOLD RESOURCES LTD. CROWN HIRE PROPERTY
 EN-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
12W 550 Z OPR	H 5 +																			
-21 -80 -65 -48	-34	-23	-54	-28	-9	3	8	24	23	18	15	11	34	23	15	10	5			
12W 550 X OPR	H 5 +																			
17 57 46 43	37	31	96	83	60	44	30	54	37	24	14	10	24	14	6	4	1			
12W 525 Z OPR	H 5 +																			
-24 -81 -64 -49	-35	-23	-60	-31	-11	0	7	20	20	18	14	11	32	24	14	10	1			
12W 525 X OPR	H 5 +																			
-1 43 41 35	30	26	88	74	61	46	28	46	38	22	14	10	22	12	7	5	2			
12W 500 Z OPR	H 5 +																			
-16 -77 -63 -47	-33	-23	-57	-29	-12	-1	8	21	20	18	14	11	32	21	16	10	6			
12W 500 X OPR	H 5 +																			
-5 27 34 30	26	26	85	72	53	41	28	53	37	22	15	11	15	11	6	5	1			
12W 475 Z OPR	H 5 +																			
-8 -75 -62 -47	-34	-24	-59	-32	-13	-1	5	19	19	17	13	11	32	23	15	9	4			
12W 475 X OPR	H 5 +																			
-9 33 32 30	28	25	81	68	54	41	27	54	32	21	15	8	25	12	6	1	2			
12W 450 Z OPR	H 5 +																			
-20 -75 -62 -47	-35	-25	-65	-34	-16	-3	3	15	17	16	13	10	30	22	16	10	6			
12W 450 X OPR	H 5 +																			
-8 21 24 23	24	22	75	66	51	39	29	53	38	25	15	10	34	15	7	4	1			
12W 425 Z OPR	H 5 +																			
-19 -72 -60 -46	-34	-24	-63	-35	-17	-4	4	15	16	16	13	10	31	21	15	10	5			
12W 425 X OPR	H 5 +																			
14 15 18	19	18	66	57	50	39	30	54	39	25	16	12	33	13	8	5	1			
12W 200 Z OPR	H 5 +																			
-9 -55 -48 -41	-34	-28	-85	-60	-39	-22	-12	-14	-2	5	7	8	26	20	16	10	7			
12W 200 X OPR	H 5 +																			
-5 -28 -19 -9	-2	3	32	39	41	43	35	75	55	38	24	14	40	21	13	5	2			
12W 175 Z OPR	H 5 +																			
-5 -52 -46 -39	-32	-27	-82	-59	-41	-24	-14	-16	-3	4	8	8	27	21	16	11	6			
12W 175 X OPR	H 5 +																			
-7 -35 -24 -13	-5	1	20	31	39	36	36	73	56	38	25	16	39	23	12	8	2			
12W 150 Z OPR	H 5 +																			
1 -44 -42 -36	-30	-25	-79	-59	-44	-28	-15	-19	-7	2	5	6	27	22	16	10	6			
12W 150 X OPR	H 5 +																			
-13 -35 -26 -15	-6	0	17	31	32	37	34	78	57	39	26	17	44	25	13	7	2			
12W 125 Z OPR	H 5 +																			
-11 -40 -40 -34	-29	-24	-78	-59	-44	-29	-17	-26	-10	0	5	6	25	20	15	11	6			
12W 125 X OPR	H 5 +																			
-3 -37 -31 -20	-9	-4	9	24	32	38	36	75	54	39	25	16	44	27	15	11	3			
12W 100 Z OPR	H 5 +																			
-16 -37 -35 -31	-27	-23	-76	-61	-46	-32	-21	-34	-16	-3	2	5	22	19	14	10	6			
12W 100 X OPR	H 5 +																			
-4 -40 -32 -21	-12	-5	4	22	33	36	34	71	54	36	24	15	43	27	19	12	10			
12W 75 Z OPR	H 5 +																			
-8 -30 -29 -27	-24	-21	-73	-63	-51	-38	-25	-42	-23	-8	0	4	18	17	14	11	6			
12W 75 X OPR	H 5 +																			
-10 -40 -34 -22	-13	-6	5	23	32	37	31	68	53	35	23	14	35	19	11	5	3			

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	chl	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
12V 50 Z	OPR	H	5	+																
-6	-26	-23	-23	-21	-20	-70	-63	-54	-41	-29	-50	-30	-12	-2	2	16	15	13	9	6
12V 50 X	OPR	H	5	+																
-3	-40	-32	-22	-13	-6	-5	17	24	31	30	71	53	37	24	16	41	28	16	8	4
12V 25 Z	OPR	H	5	+																
-7	-21	-19	-19	-19	-18	-67	-63	-56	-45	-32	-57	-35	-16	-4	1	13	13	13	8	6
12V 25 X	OPR	H	5	+																
-4	-39	-30	-21	-13	-6	-4	14	28	32	32	71	52	37	24	16	40	24	14	8	4
12V 0 Z	OPR	H	5	+																
-5	-16	-20	-19	-19	-19	-70	-62	-56	-45	-34	-61	-38	-18	-5	1	13	14	14	9	7
12V 0 X	OPR	H	5	+																
4	-37	-27	-20	-13	-8	-7	7	19	24	22	49	40	28	19	13	32	22	15	7	4

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	chl	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
13V 0 Z	OPR	H	5	+																
-3	-20	-19	-18	-19	-16	-52	-47	-36	-27	-21	-38	-22	-9	-3	1	13	12	11	8	5
13V 0 X	OPR	H	5	+																
-7	-24	-18	-9	-6	-1	7	18	23	25	25	57	42	28	18	11	34	20	11	8	5
13V 25 Z	OPR	H	5	+																
2	-23	-22	-19	-17	-15	-52	-44	-35	-27	-18	-33	-16	-8	-1	2	13	15	11	7	6
13V 25 X	OPR	H	5	+																
-3	-24	-25	-16	-10	-6	-4	20	22	26	23	49	40	28	15	14	31	17	10	0	1
13V 50 Z	OPR	H	5	+																
16	-29	-24	-21	-19	-16	-55	-42	-33	-24	-15	-24	-13	-3	2	4	18	17	11	9	6
13V 50 X	OPR	H	5	+																
-5	-27	-22	-12	-9	-4	6	17	23	29	28	47	45	28	22	11	41	36	-2	7	5
13V 75 Z	OPR	H	5	+																
-3	-30	-26	-23	-20	-17	-55	-44	-32	-22	-15	-22	-10	-2	2	4	18	15	12	8	5
13V 75 X	OPR	H	5	+																
-7	-20	-17	-10	-6	-1	9	20	30	26	27	57	46	30	21	12	40	23	13	9	2
13V 100 Z	OPR	H	5	+																
-6	-29	-28	-24	-19	-16	-52	-42	-31	-22	-12	-17	-6	-1	4	4	19	17	13	9	5
13V 100 X	OPR	H	5	+																
-8	-24	-16	-13	-6	-4	7	21	33	32	25	51	43	28	20	14	32	24	21	14	6
13V 125 Z	OPR	H	5	+																
-4	-35	-30	-25	-22	-18	-53	-42	-29	-20	-10	-16	-4	1	4	6	19	16	13	8	5
13V 125 X	OPR	H	5	+																
-8	-21	-9	-9	-3	1	20	23	30	30	27	56	43	31	18	15	35	27	19	13	4
13V 150 Z	OPR	H	5	+																
0	-33	-31	-25	-21	-16	-52	-38	-30	-17	-9	-8	-3	3	6	6	19	15	15	8	6
13V 150 X	OPR	H	5	+																
-14	-18	-13	-6	-3	2	18	26	33	30	26	49	39	25	16	12	26	15	7	4	2

SOUTHERN GOLD RESOURCES LTD. CROMIE HIRE PROPERTY
EM-37 Survey

Line,	Station,	Component,	Operator,	Frequency,	Gain,	Polarity														
Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
13W 175	Z	OPR	H 5 +																	
-11	-37	-32	-27	-22	-18	-55	-38	-25	-15	-7	-8	0	4	5	8	23	16	13	8	7
13W 175	X	OPR	H 5 +																	
-6	-13	-12	-2	2	5	30	31	29	34	26	50	30	32	18	13	29	19	13	4	5
13W 200	Z	OPR	H 5 +																	
-11	-38	-35	-29	-23	-19	-55	-35	-26	-13	-6	-5	2	5	6	7	19	18	13	8	4
13W 200	X	OPR	H 5 +																	
-3	-5	-7	0	5	5	33	29	33	32	27	57	41	28	17	11	31	20	11	6	1
13W 225	Z	OPR	H 5 +																	
-13	-39	-35	-29	-23	-18	-53	-35	-22	-11	-4	-2	0	7	7	7	25	19	11	10	4
13W 225	X	OPR	H 5 +																	
-7	-6	-5	2	5	7	36	37	36	33	27	53	40	25	16	14	24	10	2	-5	-11
13W 250	Z	OPR	H 5 +																	
-11	-39	-37	-30	-24	-18	-55	-34	-21	-10	-3	0	5	8	7	8	24	19	13	9	6
13W 250	X	OPR	H 5 +																	
-9	-8	2	2	6	8	37	34	36	32	26	49	38	23	15	10	22	13	13	6	2
13W 275	Z	OPR	H 5 +																	
-5	-43	-38	-31	-24	-19	-52	-34	-21	-9	-1	3	7	9	8	8	22	18	14	8	6
13W 275	X	OPR	H 5 +																	
-1	-5	5	-4	11	9	31	49	37	29	28	49	36	24	15	10	24	13	10	9	7
13W 300	Z	OPR	H 5 +																	
-7	-49	-36	-31	-24	-19	-51	-32	-21	-8	-1	6	9	10	9	8	24	22	11	9	4
13W 300	X	OPR	H 5 +																	
-7	-14	3	4	8	9	36	38	39	29	25	51	36	23	17	10	25	13	10	4	3
13W 325	Z	OPR	H 5 +																	
-10	-44	-47	-34	-23	-18	-56	-30	-20	-9	0	9	11	11	10	9	22	18	14	6	4
13W 325	X	OPR	H 5 +																	
-5	1	5	9	9	8	45	42	38	33	26	54	39	26	16	10	30	13	11	7	1
13W 350	Z	OPR	H 5 +																	
-15	-50	-44	-33	-26	-19	-53	-33	-17	-7	1	9	11	12	10	9	26	18	14	10	4
13W 350	X	OPR	H 5 +																	
-5	3	6	12	11	14	49	49	40	33	33	55	37	24	17	10	32	17	6	4	1
13W 375	Z	OPR	H 5 +																	
-7	-55	-47	-40	-25	-24	-55	-35	-9	-5	0	7	10	9	12	8	24	19	13	8	5
13W 375	X	OPR	H 5 +																	
0	6	15	14	13	14	56	49	42	35	26	49	38	22	14	9	22	16	3	5	3
13W 450	Z	OPR	H 5 +																	
-20	-59	-48	-39	-26	-20	-51	-27	-13	-1	4	12	16	14	12	9	30	22	16	11	6
13W 450	X	OPR	H 5 +																	
-3	21	27	24	24	20	74	57	47	34	26	50	29	17	13	9	18	9	7	-0	-4
13W 475	Z	OPR	H 5 +																	
-22	-60	-49	-37	-28	-19	-50	-27	-12	-2	4	14	14	14	11	9	29	21	16	11	7
13W 475	X	OPR	H 5 +																	
1	29	28	27	23	22	69	62	49	36	25	47	33	21	13	10	24	14	12	5	5
13W 500	Z	OPR	H 5 +																	
-18	-62	-49	-38	-27	-20	-50	-26	-10	-2	5	15	15	14	12	9	28	22	16	11	7
13W 500	X	OPR	H 5 +																	
-5	29	29	25	26	22	75	58	46	34	23	43	28	18	10	6	4	8	-6	-8	-11

SOUTHERN GOLD RESOURCES LTD. CROWN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
13W 525 Z OPR	H 5 +																			
-15 -60 -49 -38	-27	-19	-47	-25	-9	-0	5	16	18	14	11	9	30	21	16	10	8			
13W 525 X OPR	H 5 +																			
7 24 27 24	23	19	65	51	39	29	19	37	22	13	8	6	18	10	6	4	3			
13W 550 Z OPR	H 5 +																			
-24 -59 -48 -36	-26	-17	-42	-20	-5	2	7	21	19	16	13	10	32	25	16	11	8			
13W 550 X OPR	H 5 +																			
-0 38 34 37	29	24	88	68	54	37	29	51	37	22	13	10	24	15	10	10	3			
13W 575 Z OPR	H 5 +																			
-18 -59 -50 -37	-26	-18	-41	-19	-6	4	7	22	20	17	12	10	32	23	16	12	7			
13W 575 X OPR	H 5 +																			
-3 55 51 46	36	33	100	77	57	41	26	47	34	19	9	10	20	13	6	2	-1			
13W 600 Z OPR	H 5 +																			
-15 -57 -46 -35	-24	-15	-36	-16	-2	5	9	25	21	18	14	11	34	22	18	12	9			
13W 600 X OPR	H 5 +																			
12 60 59 48	40	34	107	83	60	43	27	48	35	21	13	9	23	19	12	10	5			
13W 625 Z OPR	H 5 +																			
-20 -55 -41 -30	-21	-12	-27	-8	3	7	11	30	24	19	12	13	36	24	17	11	2			
13W 625 X OPR	H 5 +																			
9 73 66 53	48	36	118	87	63	43	29	53	33	20	13	8	24	14	7	6	13			
13W 650 Z OPR	H 5 +																			
-27 -50 -42 -29	-19	-13	-24	-7	2	9	12	28	23	18	15	11	32	24	17	12	7			
13W 650 X OPR	H 5 +																			
-8 79 69 61	44	42	124	87	67	45	31	47	34	21	18	9	26	11	8	7	3			
13W 675 Z OPR	H 5 +																			
-27 -51 -38 -27	-19	-11	-22	-5	7	10	14	28	25	19	15	12	34	25	18	13	8			
13W 675 X OPR	H 5 +																			
-0 89 77 65	53	43	126	94	68	46	29	53	31	21	15	4	25	11	7	2	6			
13W 700 Z OPR	H 5 +																			
-30 -42 -34 -24	-15	-8	-14	3	12	13	14	31	26	20	17	11	32	25	18	10	9			
13W 700 X OPR	H 5 +																			
-5 98 82 70	57	45	136	101	72	47	31	53	35	23	16	7	30	14	11	3	5			
13W 725 Z OPR	H 5 +																			
-28 -40 -30 -20	-12	-6	-7	5	13	15	15	35	27	21	15	12	35	23	19	11	8			
13W 725 X OPR	H 5 +																			
2 119 94 78	62	50	140	113	72	50	33	60	37	22	14	10	25	15	5	4	1			
13W 750 Z OPR	H 5 +																			
-39 -32 -19 -11	-6	-1	7	16	18	17	17	40	30	22	17	13	36	25	25	14	9			
13W 750 X OPR	H 5 +																			
8 117 101 82	69	53	155	107	71	48	31	55	32	20	11	9	18	13	12	7	7			
13W 775 Z OPR	H 5 +																			
-37 -22 -14 -7	-1	1	16	22	21	23	18	38	32	22	17	12	36	24	17	12	9			
13W 775 X OPR	H 5 +																			
-5 127 108 88	73	54	167	122	75	53	35	58	38	24	13	11	18	16	8	4	2			
13W 800 Z OPR	H 5 +																			
-47 -2 -0 5	8	8	37	35	31	29	23	45	34	25	18	13	39	24	19	13	7			
13W 800 X OPR	H 5 +																			
-5 133 115 93	78	57	177	124	82	56	35	64	40	24	16	9	28	18	11	6	3			

SOUTHERN GOLD RESOURCES LTD. CROWIN HIRE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
13W 825 Z OPR	H 5 +																			
-41 -0	3	6	9	9	39	38	34	30	23	46	35	25	18	14	37	27	18	12	8	
13W 825 X OPR	H 5 +																			
-9 139	122	97	77	61	177	126	91	56	36	62	39	21	17	10	23	20	12	14	7	
13W 850 Z OPR	H 5 +																			
-50 15	17	19	18	17	59	52	44	34	27	53	39	27	19	14	40	29	19	13	9	
13W 850 X OPR	H 5 +																			
-17 163	137	114	83	70	189	136	100	58	18	67	47	27	20	13	47	22	14	1	3	
13W 875 Z OPR	H 5 +																			
-60 25	29	29	25	23	75	66	51	38	30	58	41	28	21	14	42	28	19	13	9	
13W 875 X OPR	H 5 +																			
-19 179	150	120	93	72	207	145	97	62	39	60	37	22	14	9	25	16	5	16	10	
13W 900 Z OPR	H 5 +																			
-84 63	58	52	45	36	116	88	68	50	36	67	47	32	22	16	45	29	22	13	9	
13W 900 X OPR	H 5 +																			
-14 177	151	124	94	74	207	146	99	58	35	57	32	19	11	7	18	11	5	5	3	
13W 925 Z OPR	H 5 +																			
-95 75	78	70	58	48	147	110	82	58	41	75	52	35	23	16	44	28	18	11	6	
13W 925 X OPR	H 5 +																			
-25 247	196	146	109	80	225	152	101	62	37	61	37	23	12	8	20	12	5	3	1	
13W 950 Z OPR	H 5 +																			
-103 121	112	95	77	61	182	131	93	64	45	79	54	35	23	16	44	29	19	11	6	
13W 950 X OPR	H 5 +																			
-4 213	167	125	93	70	193	130	82	49	31	50	26	15	8	4	8	3	1	-2	0	
13W 975 Z OPR	H 5 +																			
-120 153	133	109	86	67	199	143	101	69	47	84	55	36	24	17	45	29	18	11	6	
13W 975 X OPR	H 5 +																			
0 194	150	109	81	60	167	108	77	43	24	39	22	12	7	4	7	3	2	-1	0	
13W 1000 Z OPR	H 5 +																			
-119 156	137	111	88	68	203	145	103	70	47	83	55	36	24	16	45	29	19	11	7	
13W 1000 X OPR	H 5 +																			
2 172	138	102	75	56	156	107	70	42	25	39	25	13	7	5	9	4	4	0	0	
13W 1025 Z OPR	H 5 +																			
-139 156	139	115	91	71	211	151	108	73	48	84	57	36	24	17	45	30	18	12	6	
13W 1025 X OPR	H 5 +																			
13 168	129	94	67	50	136	91	60	36	21	34	21	11	6	4	8	3	2	-1	-2	
13W 1050 Z OPR	H 5 +																			
-149 166	147	120	95	74	219	156	112	74	49	84	57	37	24	17	45	30	20	11	6	
13W 1050 X OPR	H 5 +																			
14 155	113	80	54	41	108	72	45	26	16	25	14	8	5	2	9	0	0	-1	0	
13W 1075 Z OPR	H 5 +																			
-183 191	163	130	102	79	231	161	112	74	51	90	59	38	25	17	46	29	19	11	6	
13W 1075 X OPR	H 5 +																			
25 116	85	57	41	30	80	57	38	22	10	14	5	1	1	-2	1	-4	-3	-2	-3	
13W 1100 Z OPR	H 5 +																			
-191 229	187	144	109	84	243	169	118	78	52	91	59	38	25	18	47	29	19	11	6	
13W 1100 X OPR	H 5 +																			
23 101	77	53	36	27	75	49	33	19	10	12	7	3	1	1	0	-7	4	14	-1	

SOUTHERN GOLD RESOURCES LTD. CROWN HIRE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
14W 1025 Z OPR	H 5 +																			
-83 136 119 99				81	65	196	141	102	68	44	76	51	31	22	15	41	27	18	12	8
14W 1025 X OPR	H 5 +																			
5 143 111 83				63	46	134	89	62	37	24	38	21	12	7	3	6	1	-0	-3	-1
14W 1000 Z OPR	H 5 +																			
-93 111 106 90				74	60	183	132	96	65	42	74	50	32	21	15	39	29	19	13	7
14W 1000 X OPR	H 5 +																			
10 158 119 88				66	49	142	93	64	39	25	38	24	13	9	6	15	11	5	5	2
14W 975 Z OPR	H 5 +																			
-78 75 81 77				68	56	175	129	94	64	42	74	50	32	21	15	40	26	18	11	8
14W 975 X OPR	H 5 +																			
3 132 102 75				51	39	108	70	47	28	17	28	14	8	4	3	2	5	2	1	-0
14W 950 Z OPR	H 5 +																			
-79 58 69 71				64	54	170	127	92	64	41	73	50	31	21	15	39	27	17	12	8
14W 950 X OPR	H 5 +																			
5 146 114 89				69	51	149	107	68	44	27	45	27	16	10	6	18	10	11	6	3
14W 925 Z OPR	H 5 +																			
-82 65 74 72				64	53	167	125	91	62	41	73	50	32	21	15	40	27	18	12	7
14W 925 X OPR	H 5 +																			
-2 152 126 102				79	61	176	126	84	54	32	53	35	18	11	8	21	10	8	7	3
14W 900 Z OPR	H 5 +																			
-63 63 70 67				59	49	154	115	85	58	40	70	48	31	20	15	40	27	18	13	8
14W 900 X OPR	H 5 +																			
-9 155 129 110				87	69	204	140	97	65	37	62	38	22	13	8	23	14	13	5	4
14W 875 Z OPR	H 5 +																			
-63 65 69 66				58	49	149	109	79	53	40	73	48	33	21	15	44	29	18	13	7
14W 875 X OPR	H 5 +																			
-7 160 139 113				90	73	203	146	96	61	40	60	41	24	15	9	25	10	11	6	4
14W 850 Z OPR	H 5 +																			
-43 41 47 47				41	36	113	86	65	48	34	58	43	28	19	13	38	25	19	12	8
14W 850 X OPR	H 5 +																			
-12 172 142 116				96	69	205	152	100	67	41	68	46	27	16	10	29	16	13	7	-1
14W 825 Z OPR	H 5 +																			
-34 23 33 33				32	26	90	68	55	41	29	57	40	27	19	14	35	25	19	11	8
14W 825 X OPR	H 5 +																			
3 152 134 108				85	66	194	138	94	61	37	61	36	22	13	8	21	12	9	4	2
14W 800 Z OPR	H 5 +																			
-30 6 15 19				20	18	66	55	44	34	25	50	35	25	17	13	35	24	17	11	8
14W 800 X OPR	H 5 +																			
-2 126 113 95				75	60	179	124	90	57	37	55	35	19	12	7	19	11	8	4	4
14W 775 Z OPR	H 5 +																			
-20 -12 1 9				13	13	50	42	33	26	23	47	33	23	17	12	33	22	18	10	7
14W 775 X OPR	H 5 +																			
-0 122 103 92				71	56	165	121	82	53	33	55	33	19	12	8	19	10	8	4	4
14W 750 Z OPR	H 5 +																			
-25 -25 -12 -1				4	7	32	32	29	24	20	39	29	21	15	11	33	23	16	11	7
14W 750 X OPR	H 5 +																			
-1 93 87 72				62	48	150	105	75	47	29	46	30	16	10	7	14	11	7	5	3

SOUTHERN GOLD RESOURCES LTD. CROWN NINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
14W 725 Z OPR	H 5 +																			
-24	-41	-27	-14	-5	-0	11	16	17	17	16	33	26	19	14	10	29	21	15	11	6
14W 725 X OPR	H 5 +																			
-8	100	91	78	60	51	155	109	75	50	31	51	37	20	17	8	20	11	10	4	-0
14W 700 Z OPR	H 5 +																			
-27	-50	-34	-21	-11	-5	-4	8	13	14	13	28	24	17	13	10	29	20	15	10	7
14W 700 X OPR	H 5 +																			
1	109	98	79	63	49	149	111	79	47	33	52	38	23	12	10	22	12	10	5	1
14W 675 Z OPR	H 5 +																			
-17	-62	-46	-30	-18	-11	-19	-3	6	10	10	24	22	17	12	10	28	21	16	10	7
14W 675 X OPR	H 5 +																			
5	90	84	70	56	48	138	99	76	49	30	51	32	20	12	7	18	10	6	4	3
14W 650 Z OPR	H 5 +																			
-24	-70	-52	-36	-23	-14	-29	-9	-0	7	9	22	19	15	12	10	29	20	15	11	7
14W 650 X OPR	H 5 +																			
-2	87	76	66	56	45	135	103	72	48	30	55	33	22	14	7	24	9	7	5	5
14W 625 Z OPR	H 5 +																			
-20	-72	-54	-41	-28	-19	-44	-19	-7	4	5	15	16	14	11	8	27	19	14	10	7
14W 625 X OPR	H 5 +																			
8	73	62	57	48	39	120	96	67	47	30	53	37	21	13	8	21	12	8	7	4
14W 600 Z OPR	H 5 +																			
-16	-71	-57	-41	-28	-19	-46	-21	-9	2	5	16	15	14	10	8	27	20	14	11	7
14W 600 X OPR	H 5 +																			
1	54	51	48	41	33	108	84	59	48	21	49	31	19	12	7	19	12	7	3	3
14W 575 Z OPR	H 5 +																			
-18	-70	-56	-42	-29	-20	-53	-25	-11	-1	4	12	14	12	9	8	26	20	15	10	7
14W 575 X OPR	H 5 +																			
2	50	47	42	37	32	104	79	57	43	27	50	34	23	14	11	26	20	17	10	10
14W 550 Z OPR	H 5 +																			
-12	-66	-54	-38	-30	-19	-48	-27	-10	-1	4	13	14	12	11	8	27	18	14	10	7
14W 550 X OPR	H 5 +																			
-3	41	38	34	32	26	89	68	51	36	23	35	32	15	10	6	8	17	6	4	3
14W 525 Z OPR	H 5 +																			
-20	-65	-52	-40	-28	-20	-50	-27	-10	-3	3	12	14	12	10	8	25	19	13	8	3
14W 525 X OPR	H 5 +																			
-3	39	35	38	31	28	85	70	54	39	26	45	31	19	13	8	19	11	6	6	4
14W 500 Z OPR	H 5 +																			
-19	-64	-50	-39	-29	-20	-52	-29	-11	-2	3	10	13	12	10	8	26	21	16	12	9
14W 500 X OPR	H 5 +																			
-6	28	31	30	27	23	76	68	51	36	28	45	35	22	13	10	26	17	13	9	6
14W 475 Z OPR	H 5 +																			
-15	-59	-51	-39	-28	-20	-53	-29	-14	-3	2	8	12	10	9	7	25	20	13	10	6
14W 475 X OPR	H 5 +																			
-10	16	25	22	20	20	70	59	43	34	23	45	33	20	11	11	21	17	12	3	4
14W 450 Z OPR	H 5 +																			
-5	-58	-49	-36	-27	-20	-50	-29	-14	-3	2	10	11	12	8	8	24	19	13	9	7
14W 450 X OPR	H 5 +																			
2	23	20	22	22	18	68	59	45	34	24	46	32	22	14	10	23	16	4	7	5

SOUTHERN GOLD RESOURCES LTD. CROMHIN MINE PROPERTY
EM-37 Survey

Line, Station, Component, Operator, Frequency, Gain, Polarity

Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
Field																				
14W 425 Z OPR	H 5 +																			
-17	-57	-48	-36	-27	-20	-51	-30	-16	-5	1	9	10	10	8	7	24	18	13	10	7
14W 425 X OPR	H 5 +																			
-2	16	28	13	15	26	56	43	49	29	24	41	30	20	11	8	17	17	10	9	2
14W 400 Z OPR	H 5 +																			
-12	-56	-46	-37	-27	-18	-59	-28	-16	-5	-0	8	10	10	9	7	23	18	15	10	7
14W 400 X OPR	H 5 +																			
-3	15	13	16	16	16	57	47	45	32	25	43	32	23	12	9	19	16	9	6	-7
14W 300 Z OPR	H 5 +																			
-15	-49	-41	-32	-25	-19	-55	-31	-18	-8	-1	5	7	7	8	6	20	18	12	7	4
14W 300 X OPR	H 5 +																			
-1	-2	3	5	7	9	35	41	34	33	23	47	35	22	14	10	25	14	9	-2	6
14W 275 Z OPR	H 5 +																			
-3	-45	-40	-31	-26	-19	-51	-32	-20	-7	-2	4	7	9	7	7	24	21	9	8	5
14W 275 X OPR	H 5 +																			
7	-9	2	5	6	10	42	38	37	30	25	45	37	24	12	13	23	15	9	2	3
14W 250 Z OPR	H 5 +																			
-19	-43	-39	-32	-25	-20	-53	-34	-20	-9	-3	-2	4	7	7	6	21	15	14	7	5
14W 250 X OPR	H 5 +																			
-11	-7	-1	2	4	9	34	35	32	30	25	48	33	25	15	10	24	15	10	5	-2
14W 225 Z OPR	H 5 +																			
1	-41	-36	-30	-23	-18	-51	-34	-20	-11	-4	-1	7	5	6	6	21	17	12	8	5
14W 225 X OPR	H 5 +																			
-1	-12	-7	-1	1	5	27	34	31	31	25	50	37	25	17	11	35	18	12	3	2
14W 200 Z OPR	H 5 +																			
-9	-39	-34	-28	-22	-17	-50	-34	-22	-12	-4	-1	2	6	6	6	21	16	13	7	5
14W 200 X OPR	H 5 +																			
-11	-13	-7	-1	4	5	30	32	34	28	27	57	36	26	17	16	28	21	7	4	-1
14W 175 Z OPR	H 5 +																			
-6	-40	-36	-31	-26	-20	-59	-39	-20	-12	-8	-13	0	2	4	4	16	14	12	7	5
14W 175 X OPR	H 5 +																			
-6	-10	-4	-3	4	6	29	31	27	24	26	55	35	26	16	12	25	16	11	4	2
14W 150 Z OPR	H 5 +																			
-5	-34	-31	-25	-21	-17	-50	-35	-24	-14	-7	-10	-2	2	4	4	18	15	12	7	5
14W 150 X OPR	H 5 +																			
-7	-15	-10	-3	-2	4	15	24	30	27	23	49	36	25	17	13	26	17	12	6	4
14W 125 Z OPR	H 5 +																			
-10	-32	-29	-24	-20	-16	-50	-35	-25	-15	-8	-10	-3	1	4	5	17	13	10	7	5
14W 125 X OPR	H 5 +																			
-3	-16	-12	-7	-2	1	12	23	27	24	22	44	34	26	14	11	28	13	17	3	0
14W 100 Z OPR	H 5 +																			
-10	-30	-28	-24	-20	-16	-47	-36	-25	-16	-9	-12	-5	0	3	5	16	13	12	7	5
14W 100 X OPR	H 5 +																			
4	-15	-12	-8	-2	2	12	25	24	26	22	49	36	24	17	11	30	15	11	5	2
14W 75 Z OPR	H 5 +																			
-3	-28	-24	-20	-15	-15	-38	-36	-25	-17	-9	-11	-6	1	4	4	17	13	11	7	5
14W 75 X OPR	H 5 +																			
-9	-18	-14	-8	-4	0	11	21	22	25	24	46	37	24	17	11	33	21	13	9	3

SOUTHERN GOLD RESOURCES LTD. CROWN NINE PROPERTY
 EM-37 Survey

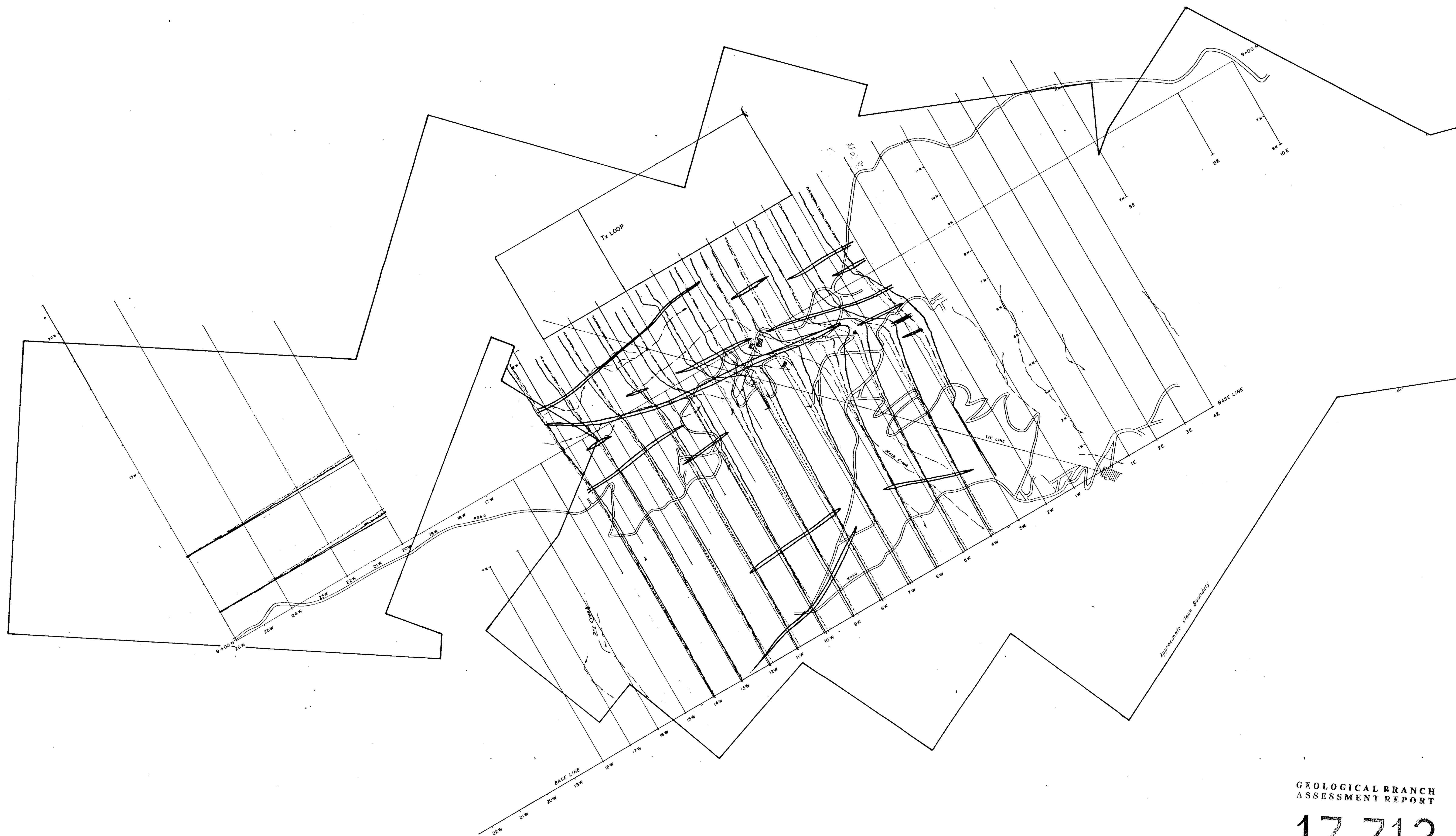
Line	Station	Component	Operator	Frequency	Gain	Polarity	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20
0N	-1975	Z	OPR	H	5	+																				
-21	-31	-19	-8	-0	6	34	36	32	24	19	35	23	15	10	7	19	12	9	6	5						
0N	-1975	X	OPR	H	5	+																				
3	36	35	32	28	23	68	47	34	19	16	30	17	11	8	5	19	12	8	9	1						
0N	-2000	Z	OPR	H	5	+																				
-7	-30	-20	-9	-1	4	30	34	32	25	18	32	22	14	10	7	19	13	10	6	5						
0N	-2000	X	OPR	H	5	+																				
7	33	37	33	29	24	78	55	39	27	17	29	19	13	8	6	11	16	9	-0	2						
0N	-2025	Z	OPR	H	5	+																				
-7	-29	-19	-9	-1	4	30	32	28	23	18	34	21	14	10	7	18	13	9	6	4						
0N	-2025	X	OPR	H	5	+																				
2	33	36	33	29	26	77	54	37	22	19	37	20	13	8	5	17	11	7	4	3						
0N	-2050	Z	OPR	H	5	+																				
-13	-30	-22	-12	-4	1	20	26	26	20	15	27	18	12	8	6	17	11	7	6	4						
0N	-2050	X	OPR	H	5	+																				
5	33	31	30	28	23	75	53	40	26	17	32	20	13	5	5	18	11	7	5	3						
0N	-2075	Z	OPR	H	5	+																				
-7	-31	-22	-14	-6	-0	15	22	21	18	14	26	17	11	8	5	15	11	8	5	4						
0N	-2075	X	OPR	H	5	+																				
2	32	30	28	26	24	68	50	39	19	19	25	14	9	7	8	10	10	-1	-0	-4						
0N	-2100	Z	OPR	H	5	+																				
-13	-31	-24	-15	-8	-3	7	16	18	15	12	22	16	10	7	5	15	12	9	7	6						
0N	-2100	X	OPR	H	5	+																				
1	28	26	27	24	20	66	48	34	23	14	24	15	9	6	4	8	9	3	7	-1						
0N	-2125	Z	OPR	H	5	+																				
-15	-31	-24	-16	-9	-3	3	14	16	14	11	21	15	10	7	5	15	10	8	5	4						
0N	-2125	X	OPR	H	5	+																				
1	22	28	26	25	20	69	54	33	27	16	33	16	11	9	6	22	19	4	15	6						
0N	-2150	Z	OPR	H	5	+																				
-5	-30	-25	-16	-9	-4	2	12	14	14	11	20	15	10	7	5	14	10	7	5	3						
0N	-2150	X	OPR	H	5	+																				
2	19	22	21	19	18	58	45	33	22	14	24	16	10	6	5	14	14	6	6	2						
0N	-2175	Z	OPR	H	5	+																				
-8	-31	-25	-18	-11	-6	-5	7	10	11	9	17	14	9	7	5	15	11	7	6	6						
0N	-2175	X	OPR	H	5	+																				
-3	13	21	18	16	17	50	39	34	18	13	20	14	9	8	6	9	13	10	6	2						
0N	-2200	Z	OPR	H	5	+																				
-8	-30	-23	-18	-11	-6	-6	5	9	10	8	17	13	9	7	5	13	9	6	4	2						
0N	-2200	X	OPR	H	5	+																				
-3	15	21	19	18	17	54	36	30	16	13	21	15	10	7	5	8	15	10	10	8						
0N	-2225	Z	OPR	H	5	+																				
-1	-30	-23	-18	-12	-6	-9	2	8	8	8	15	11	9	6	5	13	8	6	5	4						
0N	-2225	X	OPR	H	5	+																				
-0	15	15	15	14	14	45	36	28	15	13	14	12	7	6	5	6	12	5	3	4						
0N	-2250	Z	OPR	H	5	+																				
-4	-29	-24	-18	-12	-8	-11	-0	6	7	7	14	11	8	6	5	11	8	6	4	2						
0N	-2250	X	OPR	H	5	+																				
-1	17	10	14	15	11	46	34	18	19	9	19	10	7	4	3	16	8	7	5	10						

SOUTHERN GOLD RESOURCES LTD. CROWN HINE PROPERTY
 EM-37 Survey

Line	Station	Component	Operator	Frequency	Gain	Polarity	Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20	
0N	-2275	Z	OPR	H 5	+																							
-10	-28	-24	-19	-13	-8	-14	-2	4	6	6	13	10	7	6	5	12	8	6	4	3								
0N	-2275	X	OPR	H 5	+																							
3	14	10	13	14	12	43	37	25	21	10	27	12	8	5	3	13	4	6	-0	1								
0N	-2300	Z	OPR	H 5	+																							
-3	-28	-23	-18	-13	-8	-15	-4	3	5	6	13	10	8	5	4	12	9	6	5	4								
0N	-2300	X	OPR	H 5	+																							
-5	4	15	11	10	11	30	25	24	9	9	12	7	5	3	2	6	2	-1	1	-2								
0N	-2325	Z	OPR	H 5	+																							
-13	-27	-24	-19	-14	-9	-20	-7	-0	4	4	11	9	6	5	4	12	8	5	4	3								
0N	-2325	X	OPR	H 5	+																							
-5	10	9	11	12	11	40	32	26	16	12	15	14	9	7	5	11	10	7	5	1								
0N	-2350	Z	OPR	H 5	+																							
-10	-27	-22	-18	-14	-9	-21	-8	-1	3	4	9	9	7	5	4	11	9	7	5	3								
0N	-2350	X	OPR	H 5	+																							
8	2	10	10	9	6	29	19	13	11	5	12	7	5	3	3	8	7	3	3	2								
0N	-2375	Z	OPR	H 5	+																							
-10	-27	-22	-19	-14	-9	-22	-9	-0	3	3	8	8	7	5	4	10	7	3	1	-1								
0N	-2375	X	OPR	H 5	+																							
-4	4	11	8	8	10	31	24	24	10	11	18	12	7	5	4	18	15	6	9	5								
0N	-2400	Z	OPR	H 5	+																							
1	-23	-21	-17	-13	-9	-20	-8	-3	3	3	7	9	6	4	3	9	8	6	3	3								
0N	-2400	X	OPR	H 5	+																							
-2	3	4	7	6	7	26	23	17	12	8	15	11	7	5	6	16	12	11	9	11								

SOUTHERN GOLD RESOURCES LTD. CROWN HINE PROPERTY
 EM-37 Survey

Line	Station	Component	Operator	Frequency	Gain	Polarity	Primary	ch1	ch2	ch3	ch4	ch5	ch6	ch7	ch8	ch9	ch10	ch11	ch12	ch13	ch14	ch15	ch16	ch17	ch18	ch19	ch20	
2N	-2400	Z	OPR	H 5	+																							
-9	-20	-16	-13	-9	-6	-9	-0	5	6	5	9	8	6	4	3	9	7	5	4	3								
2N	-2400	X	OPR	H 5	+																							
12	14	14	12	11	13	32	28	27	12	10	21	7	8	3	4	3	9	3	-1	-3								
2N	-2375	Z	OPR	H 5	+																							
3	-20	-15	-11	-8	-4	-6	3	5	6	5	12	10	7	5	4	10	6	5	3	3								
2N	-2375	X	OPR	H 5	+																							
20	9	10	13	13	9	36	33	20	16	9	13	10	9	7	5	9	14	9	7	10								
2N	-2350	Z	OPR	H 5	+																							
9	-19	-16	-11	-7	-4	-4	4	7	7	7	13	9	7	5	4	10	5	6	4	3								
2N	-2350	X	OPR	H 5	+																							
-4	11	14	14	13	13	36	36	27	8	14	22	13	8	7	5	16	18	3	11	3								
2N	-2325	Z	OPR	H 5	+																							
-9	-20	-15	-11	-7	-3	-2	4	7	7	7	13	10	7	6	4	12	7	6	4	4								
2N	-2325	X	OPR	H 5	+																							
-0	14	17	12	16	13	45	33	23	19	9	13	16	9	10	4	9	6	7	-3	4								




GEOLOGICAL BRANCH
ASSESSMENT REPORT

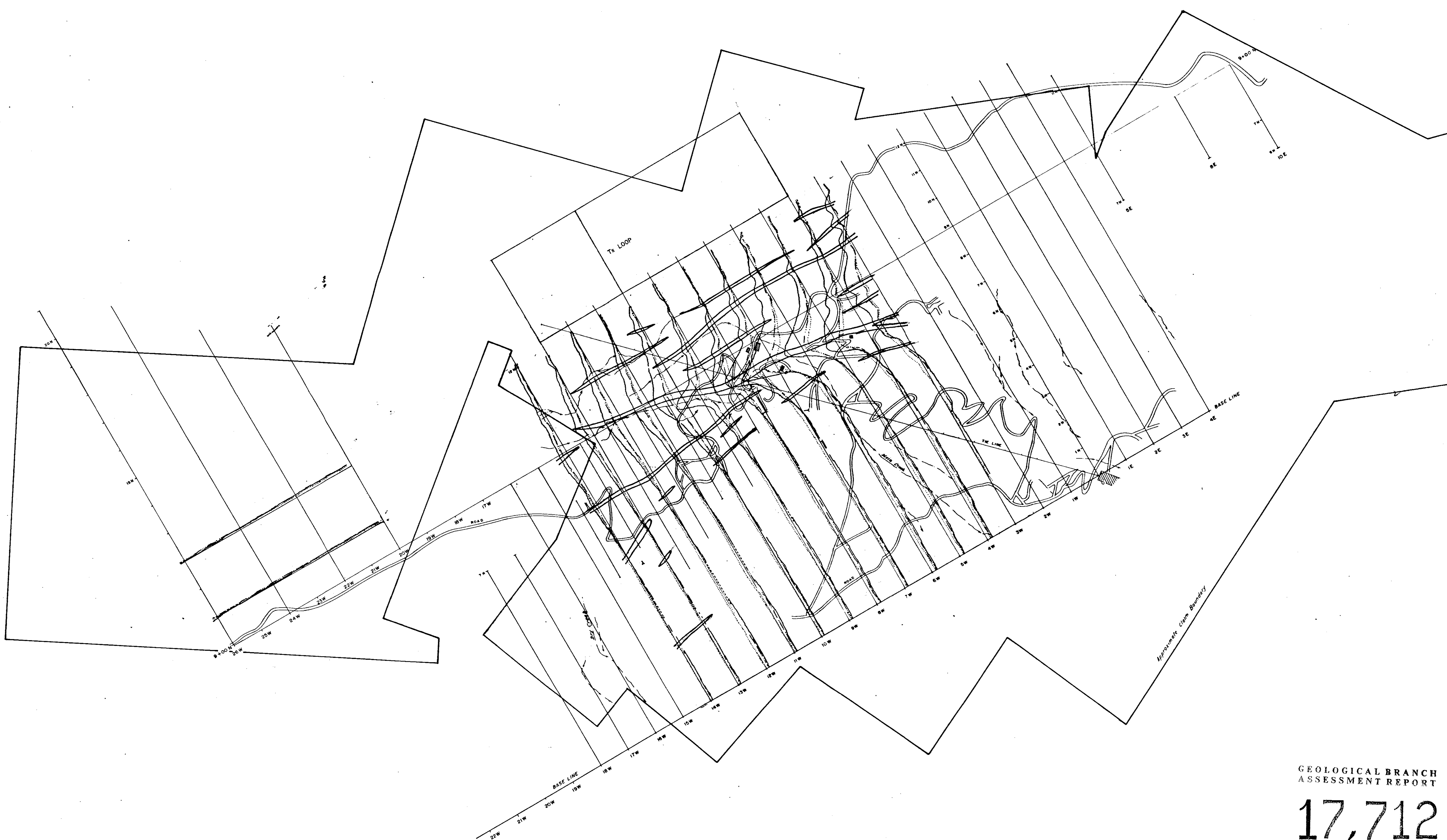
17,712

— Road
— Creek

GEOPHYSICAL KEY
 INSTRUMENT: BEGNICS EM-31/3
 — CHANNEL 2
 - - - CHANNEL 4
 ····· CHANNEL 8
 VERTICAL SCALE: 200 mV/cm
 — CONDUCTOR AXIS



 SOUTHERN GOLD RESOURCES LTD. NORTH VANCOUVER, BRITISH COLUMBIA	
CRONIN MINE PROPERTY	
TRANSIENT EM SURVEY STACKED PROFILE MAP VERTICAL COMPONENT (Hz) (CHANNELS 2, 4, 8)	
SCALE 1:5000 METRES 100 200 300 400 METRES	
Work by: E.T. PEZZOT	N.T.S.: 93 L/15 (N.W.)
Drawn by: Rom N. Gopal	Date: AUG./88



GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,712

== Road
--- Creek

GEOPHYSICAL KEY
 INSTRUMENT: BEHNICS EH-31/3
 - - - CHANNEL 2
 - - - CHANNEL 4
 - - - CHANNEL 8
 VERTICAL SCALE: 200 mV/cm
 CONDUCTOR AXIS



SOUTHERN GOLD RESOURCES LTD. NORTH VANCOUVER, BRITISH COLUMBIA	
CRONIN MINE PROPERTY	
TRANSIENT EM SURVEY STACKED PROFILE MAP HORIZONTAL COMPONENT (Hx) (CHANNELS 2, 4, 8)	
SCALE 1:5000 METRES 100 200 300 400 500	
Work by: E.T. PEZZOT	N.T.S.: 93 L/18 (N.W.)
Drawn by: Rom N. Gopal	Date: AUG/88