REPORT ON THE GEOCHEMICAL, AND GEOPHYSICAL WORK ON THE SALMO CLAIMS SOUTH CENTRAL BC

49° 10' N 117° 25' W

CORONA CORPORATION

Submitted by: D. Gaunt

28Apr89

SUMMARY

From July 20 to July 29, 1988, Renegade Exploration on behalf of Corona Corporation staked 1131 units in 62 claims in the Salmo region of southern BC. The claims formed a contiguous block roughly 17 km square extending from Salmo south to Remac and west to Nine Mile Creek.

The staked area is underlain by a large belt of Jurassic volcanics and sediments collectively referred to as the Rossland Group. This arcuate belt is suspended in the acidic Nelson batholith.

A stream sediment survey was conducted concurrently with the staking operation. A heavy mineral and/or a silt sample were retrieved at 114 sample sites located throughout the property.

In the fall of 1988, Aerodat Limited conducted an airborne magnetometer and EM survey over the property. In total 2660 line kilometers were flown. Aerodat produced 5 maps at a scale of 1:20 000:

1. total field magnetic contours
2. calculated magnetic vertical gradient
3. apparent resisitivity contours
4. VLF-EM contours
5. interpretation map

As a result of the airborne survey, 84 conductors were outlined, with 12 of the total falling in the highest priority category. Of these 12 anomalies, 5 directly magnetic and conductive zones can be considered massive sulphide prospects.

Correlation of geological, geochemical and geophysical data has outlined 10 areas for further investigation. These have been prioritized on the basis of anomaly coincidence and favourable geology.

A ground follow up program should consist of the following elements:

1. stream sediment sampling upstream of anomalous results
2. mapping and/or prospecting of the plutonic/volcanic contacts and the Waneta Fault system
3. investigation and sampling in areas of high priority geophysical response

The cost of the proposed program is $C50 000.

CORONA CORPORATION

SALMO PROJECT
LOCATION MAP

DATE: May/1989	SCALE:	DRAWING No.

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1.0 INTRODUCTION

1.1 Physiography

Located in the Nelson Mining District (NTS 82F/3) the property forms a contiguous square block some 17 kms per side extending from Salmo south and west to Fruitvale.

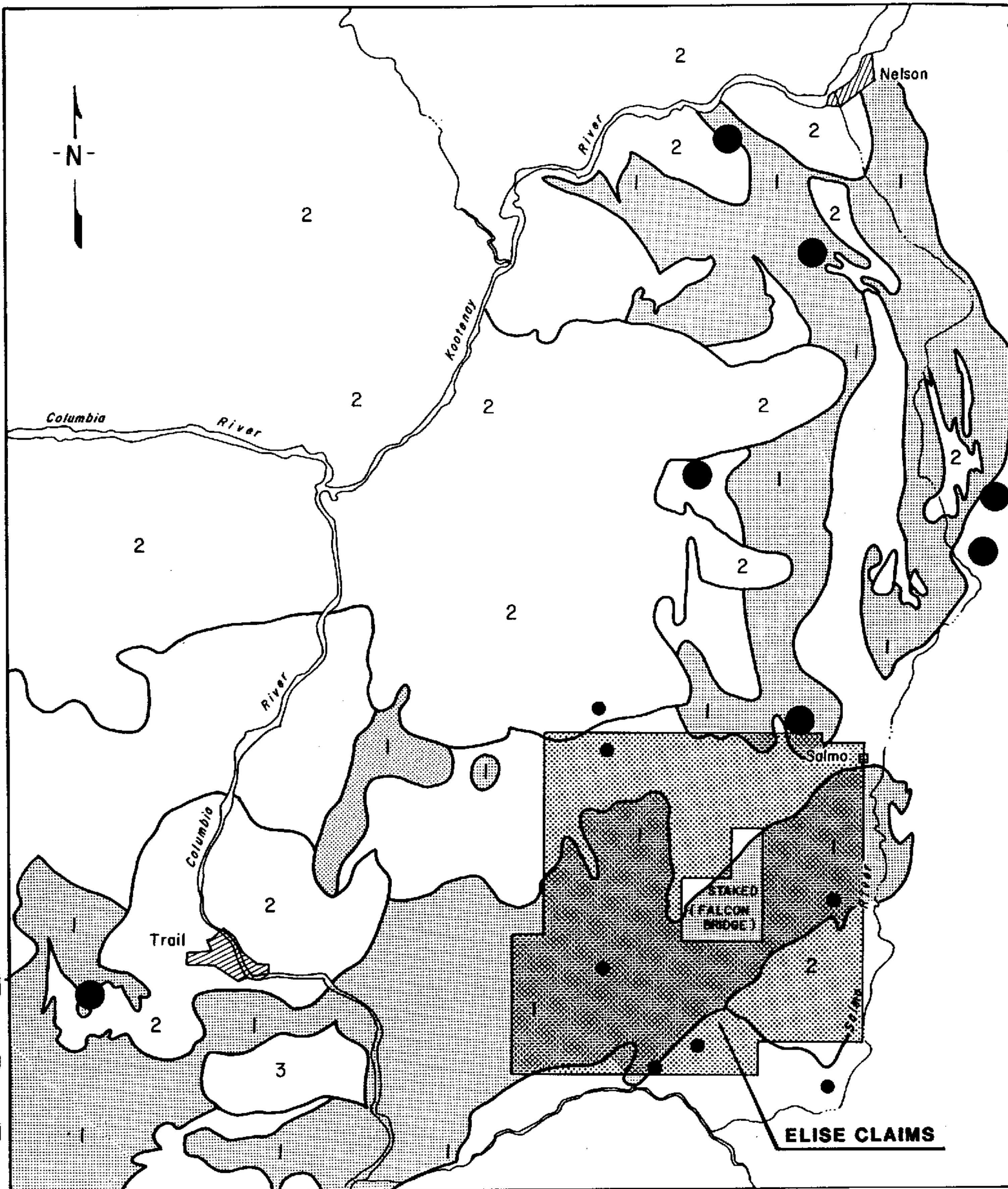
The property is located within the Selkirk Mountains of southeastern BC, the base elevation is 2500' with the highest peaks reaching up to 6200'. The property is drained by numerous creeks and tributaries which flow in deeply incised valleys. Vegetation is uniformly thick and where logged displays strong second growth, little alpine meadow exists on the property.

Access to the property is obtained via a network of logging roads off of any of the major highways serving the Salmo area. A gravel road along the northern flank of the Pend d'Oreille river services the southern part of the property.

1.2 Land Status

The Elise (2 post) and Elise 1 to 61 (4 post) claims total 1131 units and are owned by Corona Corporation. Claim data are listed below:

Claim #	Record #	Units	Expiry Date dd/mm/yr	Claim #	Record #	Units	Expiry Date dd/mm/yr
1	5196	20	19/08/89	25	5220	20	19/08/89
2	5197	20	19/08/89	26	5221	12	19/08/89
3	5198	20	19/08/89	27	5221	12	19/08/89
4	5199	20	19/08/89	28	5223	15	19/08/89
5	5200	20	19/08/89	29	5224	20	19/08/89
6	5201	20	19/08/89	30	5225	20	19/08/89
7	5202	20	19/08/89	31	5226	20	19/08/89
8	5203	20	19/08/89	32	5227	20	19/08/89
9	5204	12	19/08/89	33	5228	20	19/08/89
10	5205	12	19/08/89	34	5229	20	19/08/89
11	5206	20	19/08/89	35	5230	20	19/08/89
12	5207	20	19/08/89	36	5231	20	19/08/89
13	5208	20	19/08/89	37	5232	20	19/08/89
14	5209	20	19/08/89	38	5233	20	19/08/89
15	5210	20	19/08/89	39	5234	20	19/08/89
16	5211	10	19/08/89	40	5235	20	19/08/89
17	5212	20	19/08/89	41	5236	20	19/08/89
18	5213	20	19/08/89	42	5237	20	19/08/89
19	5214	20	19/08/89	43	5238	20	19/08/89
20	5215	20	19/08/89	44	5239	12	19/08/89
21	5216	20	19/08/89	45	5240	12	19/08/89
22	5217	20	19/08/89	46	5241	20	19/08/89
23	5218	20	19/08/89	47	5242	20	19/08/89
24	5219	20	19/08/89	48	5243	20	19/08/89



3 CORYELL PLUTONICS
2 NELSON PLUTONICS
1 ELISE FORMATION

● FORMER Au PRODUCER
• Au MINERAL OCCURRENCE

0 4 8MI

CORONA CORPORATION
WESTERN EXPLORATION

SALMO PROJECT
COMPILATION MAP

DATE: AUG. 1988	SCALE: 1" = 4 Miles	DRAWING No.

Claim #	Record #	Units	Expiry Date dd/mm/yr	Claim #	Record #	Units	Expiry Date dd/mm/yr
49	5244	20	19/08/89	55	5250	18	19/08/89
50	5245	20	19/08/89	56	5251	18	19/08/89
51	5246	20	19/08/89	57	5252	18	19/08/89
52	5247	20	19/08/89	58	5253	18	19/08/89
53	5248	18	19/08/89	59	5254	18	19/08/89
54	5249	18	19/08/89	60	5255	15	19/08/89
				61	5256	12	19/08/89
				Elise	5257	1	19/08/89

1.3 <u>Geology</u>

The Salmo property is primarily underlain by Jurassic aged volcanic units of the Rossland Group suspended in the granitic rocks of the lower Cretaceous Nelson batholith. In the southern and southeastern portions of the property volcanics are in fault contact with the lower Paleozoic rocks of the Kootenay arc. Numerous, small Eocene aged Coryell alkalic intrusives are also scattered throughout the central and southwestern part of the property.

The Rossland Group is subdivided into a lower, generally highly deformed sequence of predominately fine-grained clastic rocks of the Ymir Group and Archibald Formation, a thick accumulation of flows, pyroclastic and epiclastic volcanic rocks of the Elise Formation, and overlying, generally less intensely deformed clastic rocks of the Hall Formation.

Structurally, the map area is at the southwest extension of the Kootenay arc, and is tectonically emplaced on these highly deformed lower and middle Paleozoic rocks to the south and east. Recent mapping by Hoy (1987), indicate that the Elise and Hall members form a right-way-up structural panel on the east limb of a north trending syncline that plunges south at 10-20 degrees.

Mineral occurrences and deposits are subdivided into 4 main types by Hoy (1987), they are:

1. porphyry or stockwork moly-copper
2. skarn moly, tungsten, copper, gold
3. vein gold, silver, copper; gold, silver lead, zinc
4. "conformable gold"

The contact area of Nelson batholith and related stocks with the Rossland volcanics is strongly associated with mineralization in the area. More recent plutonism also seems to play a role in the gold deposition process at the Rossland camp.

1.4 Previous Work

Located within the claim boundaries is a block of claims held by Falconbridge Corp. On this block 8 diamond drill holes have been conpleted, all holes are oriented at Az. 325 and are located in two main zones which are about 2km. apart. This orientation suggests a narrow, structurally controlled zone striking at Az. 055. The zone has been heavily trenched where it appears on surface.

Other than the Falconbridge play, little modern exploration work has been conducted in the area encompassed by the Elise claims. There are numerous, isolated crown granted claims and the BC government's MinFile lists about 10 mineral occurrences within the property boundary. Historically, limited, small scale production of gold, silver, and various base metals has taken place at a few of these mineral occurrences.

1.5 Staking

All operations were conducted out of a camp located 4 kilometers from the confluence of the Salmo and Pend D'Oreille Rivers. Renegade Exploration were contracted to perform all staking and recording of the Salmo group claims. Falconbridge and Kidd Creek are the only major claim holders within the Salmo property. They each possess a block of claims in the northeast quadrant of the property which total about 120 units.

1.6 Stream Sediment Sampling

Conducted concurrently with the staking operation was a stream sediment sampling program. All major creeks were sampled with a total of 114 sample sites visited. At each site a silt and a heavy mineral (sieved onsite to -#20mesh) sample were retrieved. The gold values for silts were low with fewer highs and less variation compared to those for the heavies. For most other elements the silt values also lacked relief, although not to such an extent as for Au. Therefore, geochemical interpre-ation was based on the patterns outlined by the heavies. A complete treatment of the geochemical results is contained in a report by D. Brabec in Appendix I.

1.7 Geophysics

The area was surveyed by Aerodat Limited at a line spacing of 200m. The sensor array consisted of a four frequency EM system, a cesium vapour magnetometer, and a two frequency VLF-EM system. In total 2660 line kilometers of data were flown in an east-west direction. A complete treatment of geophysical results is contained in Appendix II.

2.0 RESULTS AND INTERPRETATION

The stream sediment sampling was conducted in an effort to focus future exploration in areas of enhanced gold potential. Most of the anomalous values from the programme are concentrated in the east half of the staked area, on the periphery of the land staked by Falconbridge Corp. and Kidd Creek. Strong anomaly correlation is observed for the Au, As, Cu, Zn group of elements. A strong north-south oriented Ni anomaly is also manifested in the data, suggesting the presence of mafic or ultramafic nickel bearing rocks. Such rocks were not observed in the map area by previous workers.

Source areas of anomalous alluvium are outlined as follows:

1. near the headwaters of Divide Creek, Gillian Creek and Hellroaring Creek
2. near the headwaters of Tillicum Creek (east branch), Wallack Creek and Swift Creek (west branch), extending southward beyond the limit of the Falconbridge claims
3. two anomalous results in the western portion of the property suggest a source on the ridge northwest of Kelly Creek
4. a single, islated anomlous result located to the east of Charbonneau Creek

Magnetometer results show an inconsistent correlation to the geology as mapped by Little. Specifically the Nelson batholith is indicated as being more widespread than previously suspected. Futhermore, a magnetic high is seen to run NNE at the core of the eastern map sheet, whether this anomaly represents an intrusive or some other rock can only be confirmed by mapping.

The VLF-EM survey achieved limited success, only the strongest of trends could be correlated with their EM counterparts. This poor coupling is attributed to topography and the resultant variance in sensor altitude.

Using the 4175 Hz coil data some correlation was observed between the EM results and the magnetics and the geology. Broadly speaking, conductive differences were seen between the Rossland Group, the Nelson intrusive and the older Paleozoic rocks to the south of the property.

Categorization based on similar geophysical characteristics divides the anomalies into interpreted and possible bedrock sources. These were subsequently grouped into two and three classes. Conductors which are also directly magnetic are considered to be massive sulphide prospects.

3.0 PROPOSED PROGRAM

Ground follow up should consist of prospecting, mapping and sampling in areas of strong geological potential. Specifically, the contact areas of the Nelson batholith/Elise volcanics, the contact areas of the Coryell intrusions/Elise volanics and the Waneta thrust fault. Zones of specfic interest within these broad areas should be further refined by strong geochemical and/or geophysical responses. A programme of detailed stream sediment sampling upstream of anomalous results to determine the "point-of-entry" of mineralized material coupled with contour soil geochemical surveys on either side of the drainage will aid in pinpointing source areas. The highest priority sites would be those which have the highest geochemical response in both the heavies and silts as well as manifest a strong geophysical signature, within a favourable geological environment. Weak geochemical anomalies should not be neglected, however, as they may represent a poorly exposed source.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Integration of geological, geochemical, and geophysical data has outlined several areas for further investigation. The area that shows the most potential is located near the headwaters of Tillicum Creek, immediately to the south of the Falconbridge ground. Little shows this area to be a contact zone between the Nelson batholith and the Elise volcanics. Anomalous stream sediment values were obtained in Tillicum Creek, and one of Aerodat's strongest EM/mag anomalies is also in the vicinity.

A high priority target exists further to the south on Tillicum and Limpid Creeks. Several small stocks of Nelson granite occur where the Waneta thrust fault has emplaced the Elise onto the older Paleozoic rocks to the south. This area also manifests a strong geochemical signature as well as isolated conductive magnetic anomalies. Several Minfile mineral occurrences are located within this target zone.

In total there are 10 areas which have been defined as worthy of follow up investigation. These are outlined in tabular form on the following page:

Priority Rating	Location	Description
1.	headwaters of Tillicum Ck	- Nelson/Elise contact zone - 630-455 ppb stream sediment results - strong magnetic conductor (31g)
2.	south on Tillicum Ck	- Nelson/Elise contact zone - Waneta thrust - 76-1050 ppb stream sediment results
3.	headwaters of Hellroaring Ck	- several isolated non-magnetic conductors - 1315 ppb stream sediment result
4.	south limb of Hellroaring Ck	- Nelson/Elise contact zone - Waneta thrust zone - 7530 ppb stream result
5.	headwaters of Gillam Ck	- strong faulting - 550 ppb stream result
6.	headwaters of Archibald Ck	- 3650 ppb stream result - strong faulting
7.	north of Kelly Ck	- 111-755 ppb stream result - strong faulting
8.	east of Charbonneau Ck	- Waneta thrust zone - 485 ppb stream results
9.	north of hwy 3B near Gillam and Divide Cks	- isolated magnetic conductor
10.	periphery of Coryell intrusions	

5.0 PROJECT COSTS

Cost Type	Code	Payee	Amount
Geophysics - Airborne Mag	90 11 40	Aerodat	111070.00
Geophysics - Airborne EM	90 12 40	Aerodat	111070.00
Geochemistry - Salaries	90 20 01	D. Gaunt K. Oishi M. MacKenzie helper VanVoorst	4742.95
Geochemistry - Consultants	90 20 40	D. Brabec	1200.00
Geochemistry - Field Tspt.	90 20 41	CANA Rentals, gas, oil etc.	1317.56
Geochemistry - Other expenses	90 20 43	supplies	3.38
Geochemistry - Analyses	90 20 44	Acme Labs	4875.40
Geochemistry - Meals, food	90 20 61	various	384.28
Aircraft Charter - Helicopter	90 40 47	Tundra	33161.23
Aircraft Charter - Helicopter	90 40 47	J. Enns - fuel transpt.	1951.42
Report Prep - Salaries	90 41 01	D. Gaunt	5045.00
Travelling Expenses - Travel	90 42 60		100.00
Travelling Expenses - Lodging	90 42 61		136.32
Prop Acq & Maint - Salaries	99 50 01	VanVoorst	342.95
		E. Andersen	166.80
Prop Acq & Maint - Trans fees	99 50 52		620.00
Prop Acq & Maint - Staking	90 50 40	Renegade	56500.00
			332687.91

STATEMENT OF QUALIFICATIONS

I, David Gaunt, B.Sc., Geology, of #203-2274 York St, Vancouver, BC state as follows:

1. That I graduated from Acadia University in 1985 with a B.Sc in Geology.

2. That I have prospected and actively pursued geology prior to my graduation and have practised my profession since 1985 as follows:

1986-present	Project Geologist Corona Corporation Vancouver, BC
1985-1986	Geolgist Royex Gold Mines Limited Toronto, ON

3. That I am currently employed as a Project Geolgist with Corona Corporation, #1440-800 West Pender St., Vancouver, BC.

4. That I am the author of this report which is based on published reports and on site investigations.

5. That this report may be used for the development of the property, provided that no portion may be used out of context in such a manner as to convey meanings different from that set out in the whole.

6. Consent is hereby given to Corona Corporation to reproduce this report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

Dated at Vancouver, BC. 05May89.

David Gaunt, B.Sc.

REFERENCES

FYLES, J.T., 1984, Geological Setting of the Rossland Mining Camp, BC Ministry of Energy, Mines, and Petroleum Resources, Bulletin, 74, 61 pages.

HOY, T., and ANDREW, K., 1988, Preliminary Geology and Geochemistry of the Elise Formation, Rossland Group, between Nelson and Ymir, Southeastern British Columbia, BC Ministry of Energy, Mines, and Petroleum Resources, Geological Fieldwork, 1987, Paper 1988-1, pages 19-30.

LITTLE, H.W., 1960, Nelson Map-area, West-half, British Columbia, Geological Survey of Canada, Memoir 308, 205 pages.

PROPOSED BUDGET

Subcode	Detail	Type	Comment	Unit	$ Rate/Unit	Amount	Total
Geology							
90 06	01	Salaries	56 man-days	56	200.00	11200	
90 06	41	Field Tspt	1 truck for 1 month gas	1	1100.00	1100	
90 06	43	Other Field Expenses	hotel 56 man-days	56	25.00	1400	
90 06	44	Analyses	rock samples	200	12.50	2500	
90 06	61	Meals, food	56 man-days	56	25.00	1400	
						17600	17600
Geochem							
90 20	01	Salaries	112 man-days	112	100.00	11200	
90 20	41	Field Tspt	1 truck for 1 month gas	1	1100.00	1100	
90 20	43	Other Field Expenses	hotel, 56 man-days (2/room)	56	25.00	1400	
90 20	44	Analyses	soil/stream samples	500	23.00	11500	
90 20	61	Meals, food	112 man-days	112	25.00	2800	
						28000	28000
Reports							
90 41	01	Salaries	DG 10 days	10	140.00	1400	
						1400	1400
Travel							
90 42	60	Commerical	gas 2 trucks VCR-Salmo	2	225.00	450	
90 42	61	Meals, food	6 guys	6	25.00	150	
						600	600
							47600
							======

APPENDICES

CORONA CORPORATION

MEMO

To: D. Gaunt

From: D. Brabec

Date: October 6, 1988

Re: **SALMO PROJECT**
- Stream Sediment Geochemistry

1.0 FIELD AND ANALYTICAL PROCEDURES

The area chosen for stream sediment reconnaissance covers some 200 square km of Salmo forest bound by Salmo River, Pend d'Oreille River, Nine Mile Creek and, on the north side, by the Fruitvale - Salmo section of the Highway No. 3.

The helicopter-supported sampling covered a total of 114 sites, following mostly an "above confluence" pattern. Two samples were collected at most sites:

a. About 500 g. of -20# sediment wet-sieved on the spot from the coarser alluvium.

b. A conventional fine-grained ("silt") sample.

The -20# material was used for separation of a non-magnetic fraction heavier than tetrabromethane (s.g. = 2.85). The silts were sieved to -80# and the fines retained for analysis.

Both types of material were analysed using a hot aqua regia extraction to determine the following constituents:

a. Gold from a 10 g split using solvent extraction and AA finish.

b. 30 elements by ICP on a 0.5 g sub-sample.

Percentage of the heavies extracted was also reported for each sample.

2.0 DATA CLASSIFICATION

The following approach was used to determine anomaly thresholds for the main indicator elements:

a. Probability plots, generated by PROBPLOT program, were inspected for the suitability for partitioning into component populations. Only As and Ni in the heavies showed the type of curves suitable for that procedure.

b. Values for the 1st and the 3rd Quartiles (also computed by PROBPLOT) were used to calculate an empirical outlier cutoff usually called the Inner Fence (IF), according to the formula:

$IF = (Q_3 - Q_1) \times 1.5 + Q_3$
where Q_3 = 3rd (Upper) Quartile, and Q_1 = 1st (Lower) Quartile

This value was taken as anomaly threshold for Au, Cu and Zn. Half of that value was taken to define the 'possibly anomalous' group.

c. Association of elements was used to classify some of the gold values.

In the case of Au in the silts, there is a clear break between a few high values and a uniformly low background.

A classification based on a combination of the above criteria is given in Table 1.

3.0 RESULTS

3.1 Heavy Mineral Concentrates vs Silts

A visual comparison of the data for the two sampling media is summarized in Table 2 (correlation analysis, preferably by a non-parametric technique, is desirable to confirm these observations).

The gold values for silts are low with fewer highs and less variation compared to those for the heavies. For most other elements the silt values also lack relief, although not to such extent as for Au. It seems justified, therefore, to base geochemical interpretation in the area on the patterns outlined by the heavies.

3.2 Gold

Most of the anomalous values are concentrated in the east half of the area, outlining roughly two source areas of the anomalous alluvium (Figure 1).

a. The headwaters of Divide Creek, Gillian Creek and Hellroaring Creek.

b. Further south in the source area of Tillicum Creek (east branch), Wallack Creek and Swift Creek (west branch), extending southward beyond the limit of the Falconbridge claims indicated on the map.

The anomalies could be, at least in part, related to the contact between Valhalla plutonic rocks and Rossland formation, but they do not show any spatial relationship with younger minor intrusions as plotted on the available geologic map (Unit 21 on Plate 1).

Only three anomalous sites are situated in the west part of the area. Two of them suggest a source on the ridge northwest of Kelly Creek. Unlike the clustered anomalies farther east, however, these Au highs are not supported by any other indicator elements.

3.3 Other Indicator Elements

As indicated by the data plotted in Figures 1-5, there is a considerable degree of areal correlation in the group Au, As, Cu, Zn (no numerical correlation analysis was attempted). Thus, the Au anomalous areas are also anomalous in As, Cu and Zn. The latter, however, is less area-specific than Au, As and Cu.

Cu, As and Zn also form a cluster of anomalous or possibly anomalous sites in the northwest part of the area.

Unlike the other elements, Ni shows a north-south oriented cluster of highs largely limited to the catchments of Archibald Creek, Tillicum Creek and Limpid Creek. Most of these anomalies coincide with the high readings for Mn, Fe and Mg. It seems likely that all these elements are contributed by a Ni-high silicate mineral, such as olivine or pyroxene and their weathering products. This, in turn, would suggest the presence of mafic or ultramafic rocks.

4.0 PROPOSED FOLLOW-UP AREAS

A follow-up of the stream sediment anomalies should include soil sampling, mapping and prospecting along the ridge - or contour traverses indicated in Figure 6. The top ranking belongs to the sites which have the highest Au readings in the heavies and those where both the heavies and the silts are high. Some of these anomalies extend beyond the area staked by the competitors.

Relatively weak anomalies, such as those in the west part of the area may reflect a poorly exposed source.

Plotting of the percentiles of the heavies could be of some assistance in mapping.

The final ranking of anomalies should be done after integration of all available data, including geophysics.

D. Brabec

TABLE 1

Classification of the data for selected elements in the heavies

Element	Anomalous	Possibly Anomalous
Au	>427 ppb (> 14 ppb for silts)	74 - 427*
As	>100	50 - 100
Cu	>192	95 - 192
Zn	>157	78 - 157
Ni	>205	80 - 205
Ag	> 1	

* If supported by one anomalous or at least 2 possibly anomalous readings of As, Cu, Zn or Ag

TABLE 2

Concentration levels of selected elements in the heavies relative to the silts taken at the same sample sites

Much higher:	Au
Higher :	Ni, Fe, As, W, Co, Ag, Cu
About equal:	Pb
Lower :	Zn

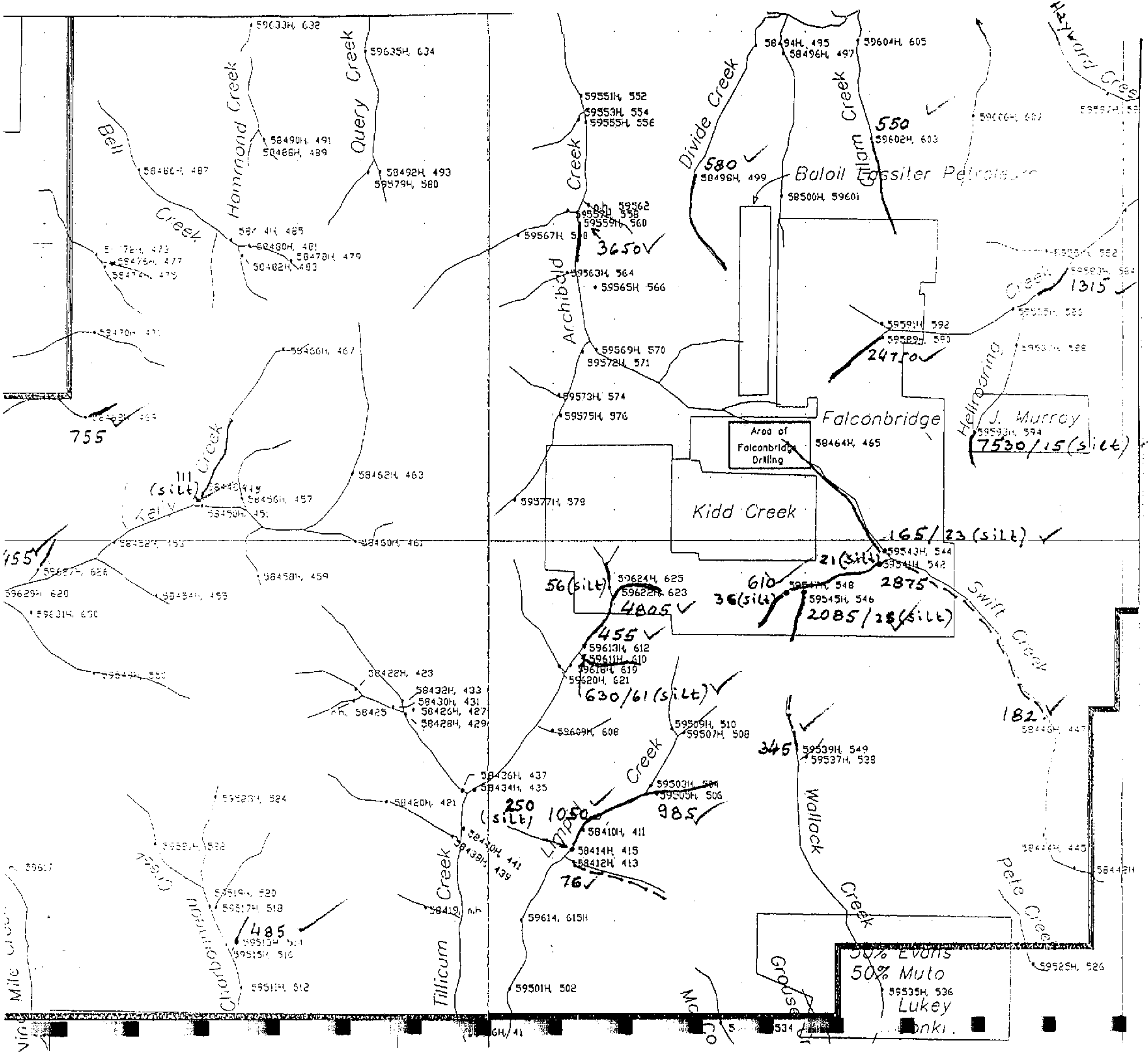


FIG. 1

Au in non-magnetic heavies, Salmo str. sed. recce.

> 427 ppb (> 14 ppb for silts)

74-427 ppb

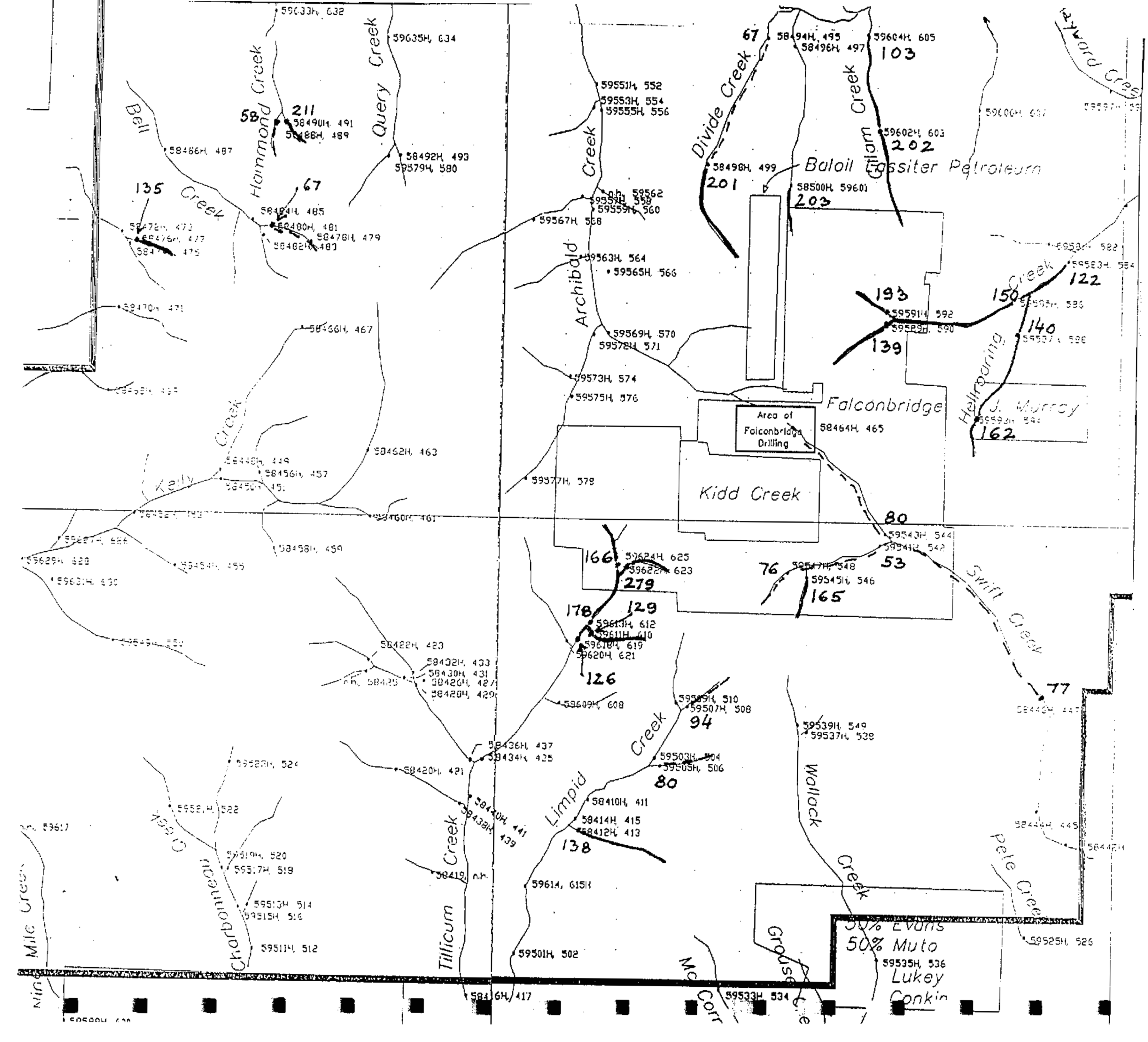


FIG. 2

As in non-magnetic heavies, Salmo str. sed. recce.

>100 ppm

50-100 ppm

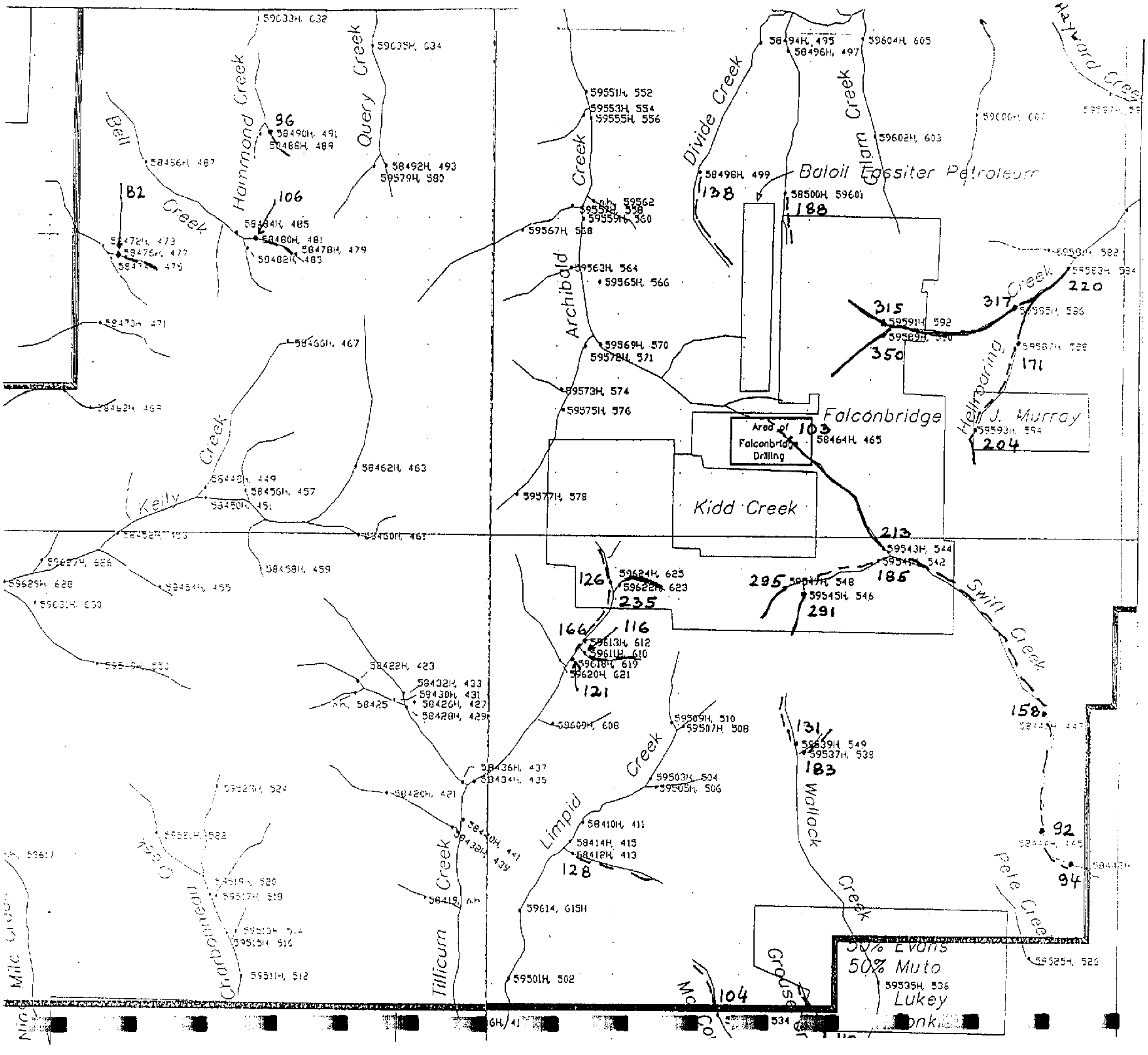


FIG. 3

Cu in non-magnetic heavies, Salmo str. sed. recce.

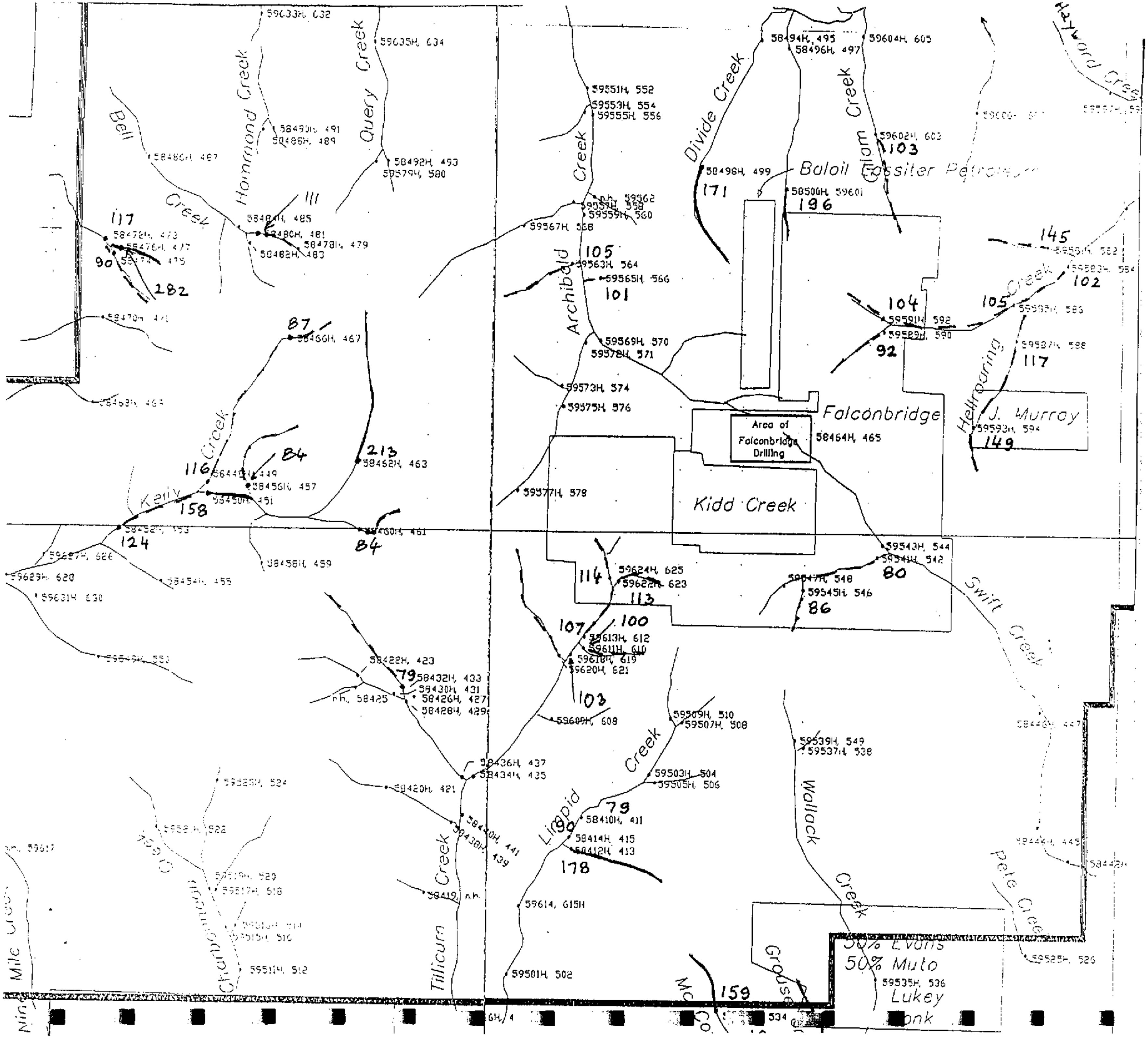


FIG. 4

Zn in non-magnetic heavies, Salmo str. sed. recce.

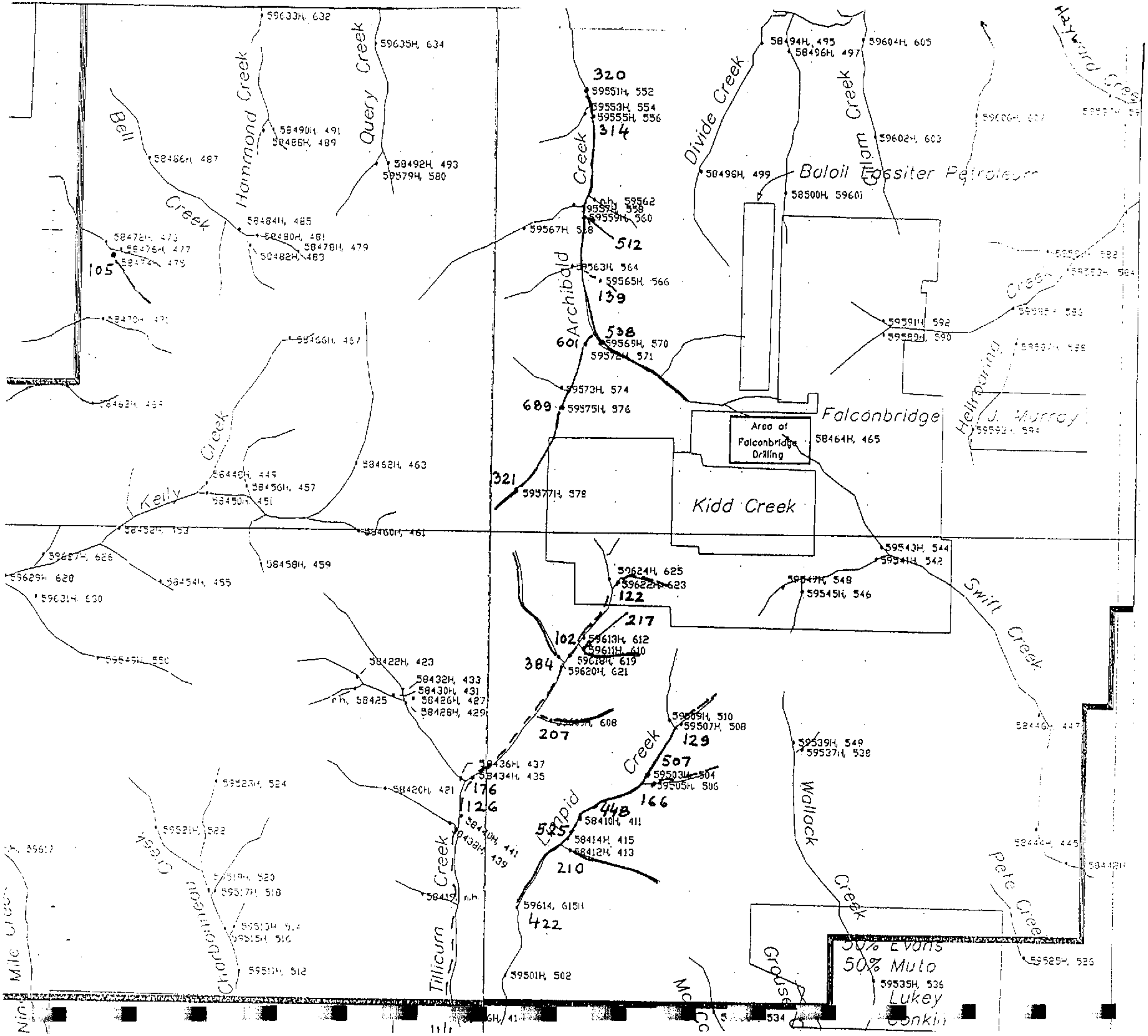


FIG. 5

Ni in non-magnetic heavies, Salmo str. sed. recce.

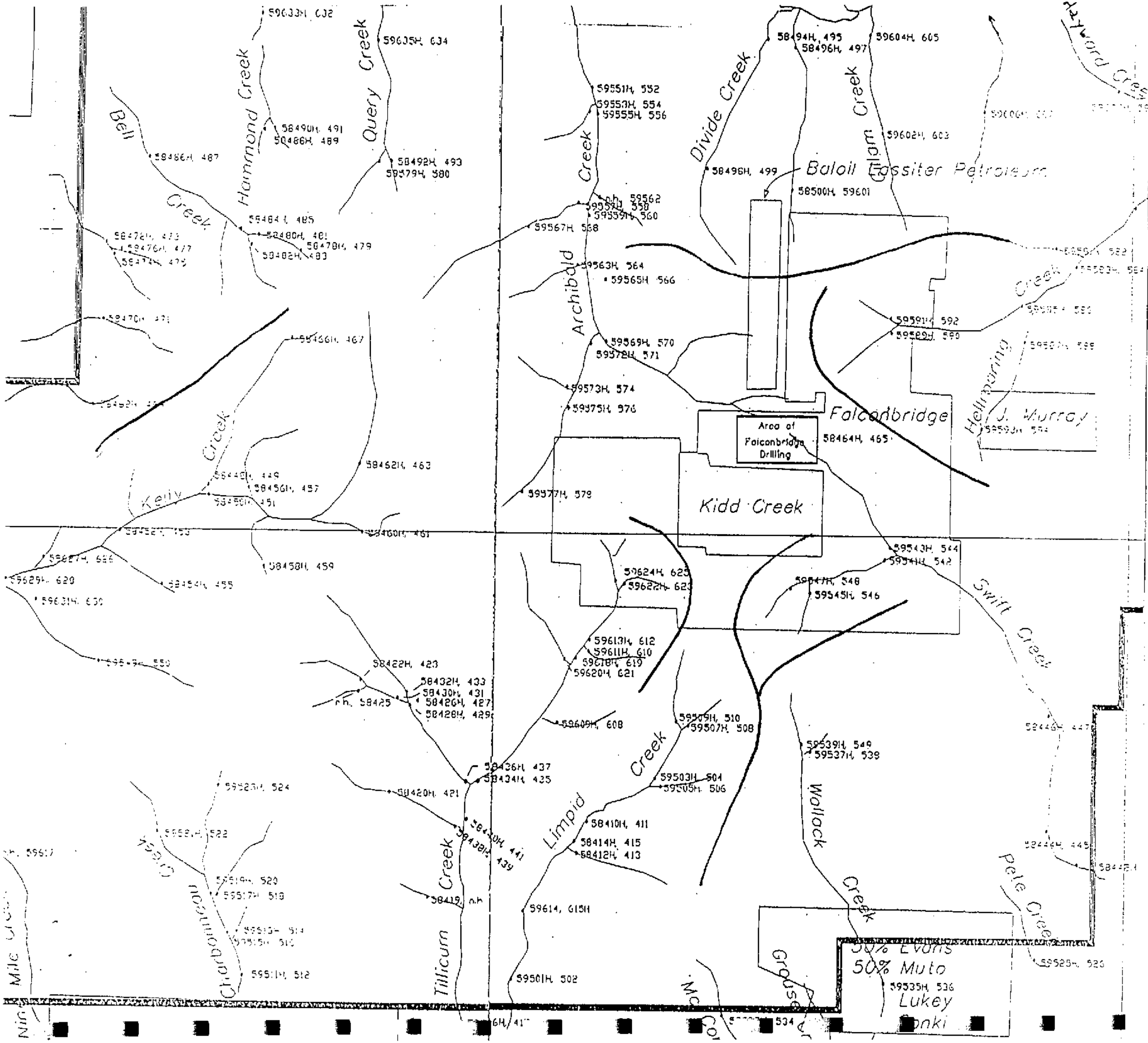


FIG. 6.

Proposed follow up traverses

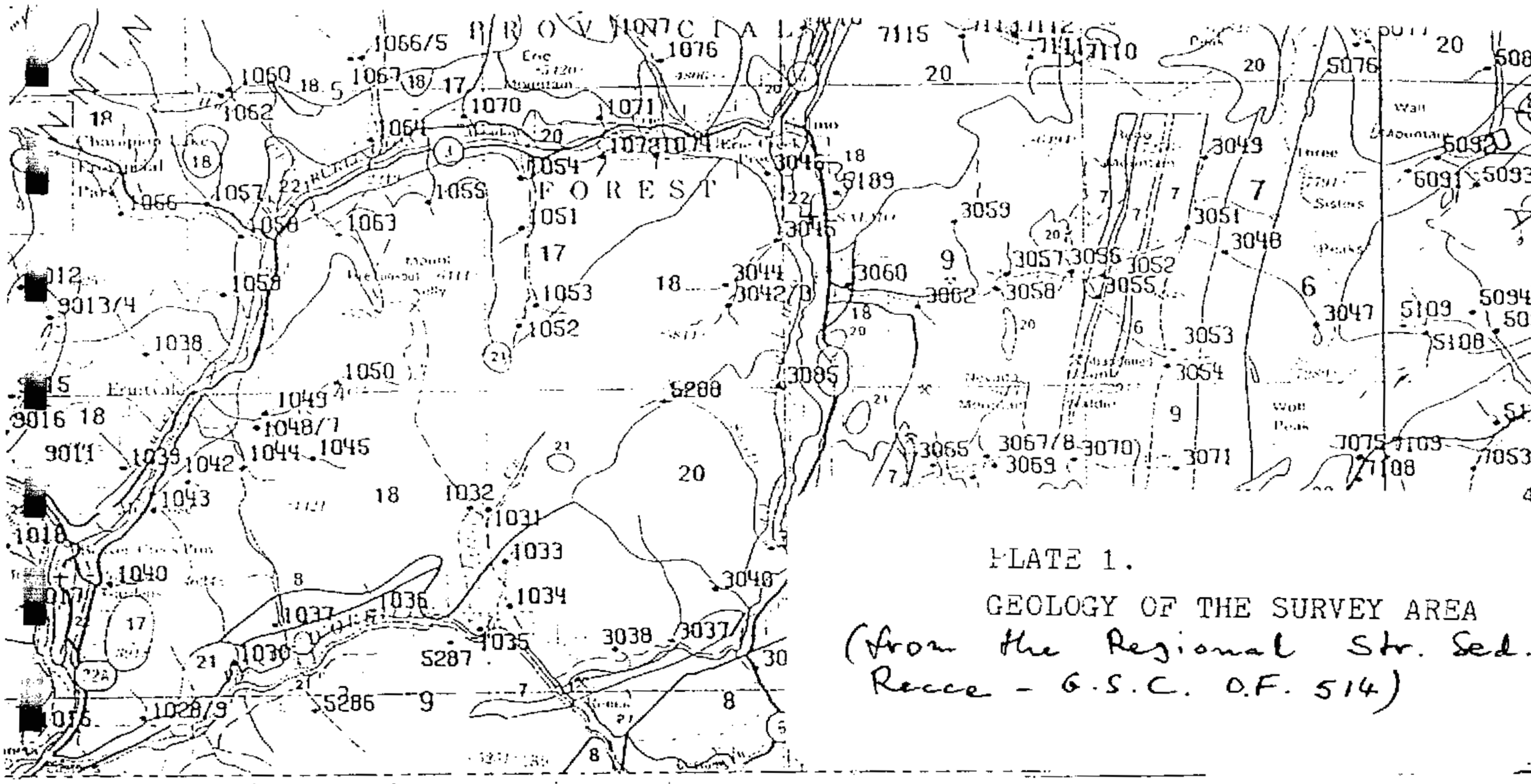


PLATE 1.
GEOLOGY OF THE SURVEY AREA
(from the Regional Str. Sed. Recce - G.S.C. O.F. 514)

CENOZOIC (TERTIARY) .

22 (TILL) Unconsolidated recent sediments

21 (SYNT 42)* McGREGOR INTRUSIONS: shonkinite; SHEPPARD PLUTONIC ROCKS: leuco-granite; CORYELL PLUTONIC ROCKS: syenite, minor granite, monzonite, shonkinite, agglomerate

MESOZOIC

20 (GRNT 35) VALHALLA PLUTONIC ROCKS: granodiorite, minor pegmatite; NELSON PLUTONIC ROCKS: porphyritic granite, quartz diorite, syenite, diorite, monzonite, mylonite

19 Ultrabasic rocks, serpentinite

18 (ANDS 34) ROSSLAND FORMATION: andesite, latite basalt flow breccia, auzite porphyry, agglomerate tuff, minor shale

17 (ARGL 33) HALL Frm: argillite, sandstone, conglomerate; SINEMURIAN BEDS: quartzite, slate, minor flows and pyroclastic rocks; YMIR GROUP: minor limestone

16 (SCST 32) SLOCAN GROUP: paragneiss, mica schist

15 (ANDS 32) KASLO GROUP: greenstone, metabasalt and meta-andesitic flows and tuffs

14 (SLTE 32) SLOCAN GROUP: slate, argillite, quartzite, limestone, conglomerate, tuff, phyllite; YMIR GROUP: paragneiss; MILFORD GROUP: chert, greenstone

13 (GNSS 30) gneiss, argillite, quartzite, greywacke conglomerate, minor flows, pyroclastic rocks and limestone

PALEOZOIC

12 (SHLE 12) EAGER FORMATION: shale, gritty limestone, argillite; CHANCELOR GROUP: shale, limestone

11 (QRTZ 10) CRANBROOK FORMATION: quartzite, conglomerate, grit

(SCST 10) schist, quartzite, phyllite, limestone-LARDEAU GROUP: paragneiss,

REPORT ON
COMBINED HELICOPTER-BORNE
MAGNETIC, ELECTROMAGNETIC AND VLF-EM
SURVEY
TRAIL
BRITISH COLUMBIA

FOR
CORONA CORPORATION
BY
AERODAT LIMITED
April 14, 1989

J8867

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(Scale 1:20,000)

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1. INTRODUCTION

This report describes an airborne geophysical survey carried out on behalf of Corona Corporation by Aerodat Limited. Equipment operated included a four frequency electromagnetic system, a high sensitivity cesium vapour magnetometer, a two frequency VLF-EM system, a video tracking camera and radar altimeter. Electromagnetic, magnetic and altimeter data were recorded both in digital and analog form. Positioning data were recorded on VHS video tapes as well as being marked on the flight path mosaic by the operator while in flight.

The survey area is comprised of one block of ground located immediately east of Trail, British Columbia. Twenty-nine (29) flights, flown from October 30 to December 17, 1988 were required to complete the survey. The lines were flown at nominal line spacing of 200 metres in the east west direction. Coverage and data quality were considered to be well within the specifications described in the contract. A total of 2660 kilometres of data were flown on flight lines inside the survey area boundaries and were compiled in map form to accompany this report.

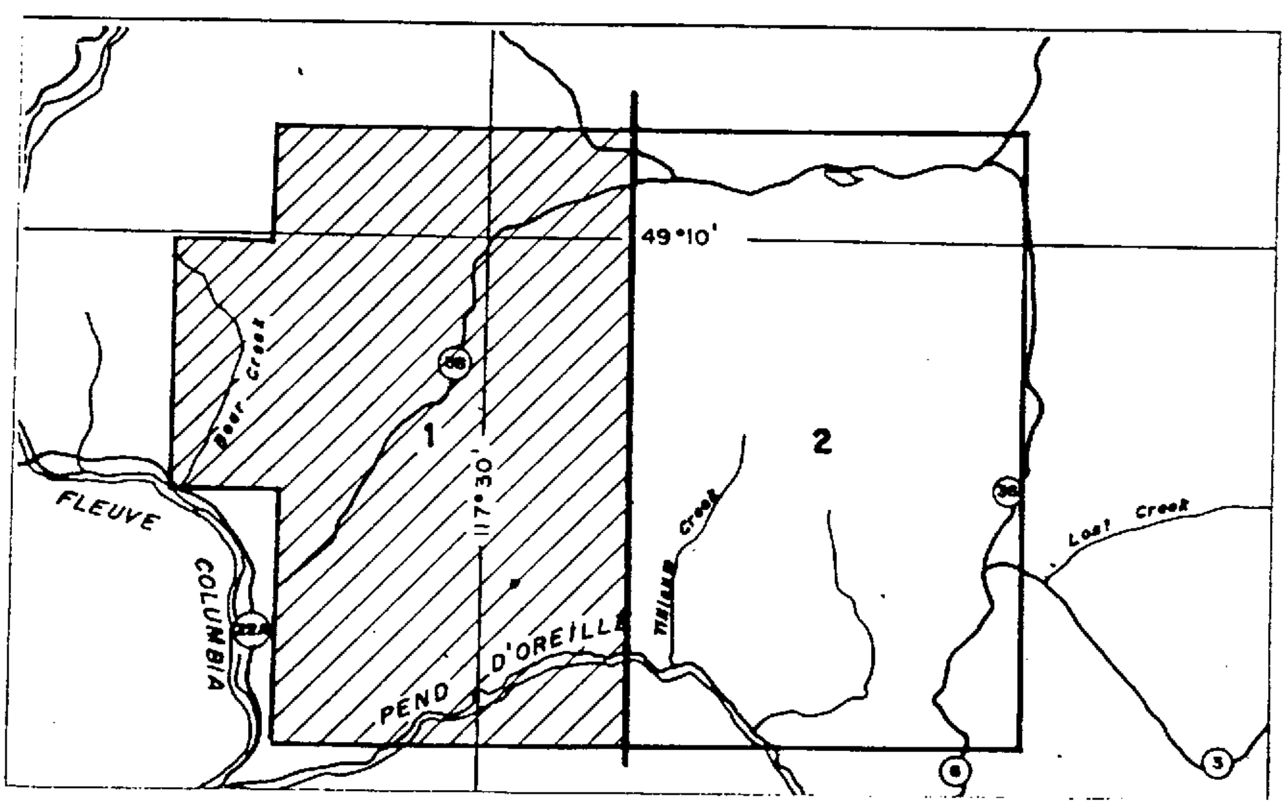
The survey objective is the detection and location of mineralized zones which can be directly or indirectly related to precious or base metal exploration targets. In regard to base metal targets, short, isolated or flanking conductors displaying good conductivity and perhaps magnetic correlation are considered to be areas of extreme interest.

Also of importance, however, for precious metals, are poorly mineralized conductors, displaying weak conductivity but geophysical indications of dip, that may represent structural features or alteration zones.

2. SURVEY AREA LOCATION

The survey block is located immediately east of the town of Trail, British Columbia, about 49 degrees 5 minutes latitude, and 118 degrees 30 minutes longitude. (NTS Numbers 82 F/3 and F/4).

Despite a rugged mountainous terrain, access to the area is covered by a relatively thorough network of roads. Provincial highways number 3, 6 and 22A traverse the northern, eastern and southwestern margin of the survey area, respectively, connecting local towns of Salmon, Fruitvale and Trail. Smaller, loose surface and winding tributary dirt roads service into the more mountainous interiors known as the Salmon Forest.



3. AIRCRAFT AND EQUIPMENT

3.1 Aircraft

A Lama helicopter, registration C-GXYM, owned and operated by Peace Helicopters Limited, was used for the survey. Installation of the geophysical and ancillary equipment was carried out by Aerodat. Where safely possible in the rugged mountain terrain, the survey aircraft was flown at a mean terrain clearance of 60 metres.

3.2 Equipment

3.2.1 Electromagnetic

The electromagnetic system was an Aerodat 4-frequency system. Two vertical coaxial coil pairs were operated at 935 Hz and 4600 Hz and two horizontal coplanar coil pairs at 4175 Hz and 32 kHz. The transmitter-receiver separation was 7 metres. Inphase and quadrature signals were measured simultaneously for the 4 frequencies with a time constant of 0.1 seconds. The electromagnetic bird was towed 30 metres below the helicopter.

3.2.2 VLF-EM System

The VLF-EM System was a Herz Totem 2A. This instrument measured the total field and quadrature components of two selected transmitters, preferably oriented at right angles to one another. The sensor was towed in a bird 12 metres below the helicopter. The transmitters monitored for the processed "line" direction were NLK (Jim Creek, Washington), broadcasting at 24.8 kHz, on Flights 6 to 19, 21 to 25 and 27 to 29; NDT (Yosami, Japan) at 17.4 kHz on Flights 3, 4 and 5; NAA (Cutler, Maine) at 24.0 kHz on Flights 1 and 2; and NPM (Lualualei, Hawaii) at 23.4 kHz on Flights 20 and 26.

3.2.3 Magnetometer

The magnetometer employed was a Scintrex Model VIW-2321 H8 cesium, optically pumped magnetometer sensor. The sensitivity of this instrument was 0.1 nanoTeslas at a 0.2 second sampling rate. The sensor was towed in a bird 12 metres below the helicopter.

3.2.4 Magnetic Base Station

An IFG-2 proton precession magnetometer was operated at the base of operations to record diurnal variations of the earth's magnetic field. The clock of the base station was synchronized with that of the airborne system to facilitate later correlation.

3.2.5 Radar Altimeter

A King Air KRA-10 radar altimeter was used to record terrain clearance. The output from the instrument is a linear function of altitude for maximum accuracy.

3.2.6 Tracking Camera

A Panasonic video camera was used to record flight path on VHS video tape. The camera was operated in continuous mode and the fiducial numbers and time marks for cross reference to the analog and digital data were encoded on the video tape.

3.2.7 Analog Recorder

An RMS dot-matrix recorder was used to display the data during the survey. In addition to manual and time fiducials, the following data were recorded:

Channel	Input	Scale
CXI1	935 Hz. Coaxial Inphase	2.5 ppm/mm
CXQ1	935 Hz. Coaxial Quadrature	2.5 ppm/mm
CXI2	4600 Hz. Coaxial Inphase	2.5 ppm/mm
CXQ2	4600 Hz. Coaxial Quadrature	2.5 ppm/mm
CPI1	4175 Hz. Coplanar Inphase	10 ppm/mm
CPQ1	4175 Hz. Coplanar Quadrature	10 ppm/mm
CPI2	32 kHz Coplanar Inphase	20 ppm/mm
CPQ2	32 kHz Coplanar Quadrature	20 ppm/mm
PWRL	Power Line	60 Hz
VLT	VLF-EM Total Field, Line	2.5% ppm/mm
VLQ	VLF-EM Quadrature, Line	2.5% ppm/mm

Channel	Input	Scale
VOT	VLF-EM Total Field, Ortho	2.5% ppm/mm
VOQ	VLF-EM Quadrature, Ortho	2.5% ppm/mm
RALT	Radar Altimeter	10 ft./mm
MAGF	Magnetometer, fine	2.5 nT/mm
MAGC	Magnetometer, coarse	25 nT/mm

3.2.8 Digital Recorder

A DGR-33 data system recorded the survey on magnetic tape. Information recorded was as follows:

Equipment	Recording Interval
EM System	0.1 seconds
VLF-EM	0.2 seconds
Magnetometer	0.2 seconds
Altimeter	0.5 seconds

4. DATA PRESENTATION

4.1 Base Map

A photomosaic base map at a scale of 1:20,000 was prepared from controlled ortho-photomosaics flown and produced specifically for this survey by McElhanney Geosurveys Limited.

4.2 Flight Path Map

The flight path map was visually and manually derived from the navigator/operator's manual fiducials and identification of like features on the VHS video tapes with the photomosaic base.

The flight path map showing all flight lines, is presented on a Cronaflex copy of the photomosaic base map, with time and navigator's manual fiducials for cross reference to both the analog and digital data.

4.3 Airborne Electromagnetic Survey Interpretation Map

The electromagnetic data were recorded digitally at a sample rate of 10 per second with a time constant of 0.1 seconds. A two stage digital filtering process was carried out to reject major sferic events and the reduce system noise.

Local sferic activity can produce sharp, large amplitude events that cannot be removed by conventional filtering procedures. Smoothing or stacking will reduce their amplitude but leave a broader residual response that can be confused with geological phenomena. To avoid this possibility, a computer algorithm searches out and rejects the major sferic events.

The signal to noise ratio was further enhanced by the application of a low pass digital filter. It has zero phase shift which prevents any lag or peak displacement from occurring, and it suppresses only variations with a wavelength less than about 0.25 seconds. This low effective time constant permits maximum profile shape resolution.

Following the filtering process, a base level correction was made. The correction applied is a linear function of time that ensures the corrected amplitude of the various inphase and quadrature components is zero when no conductive or permeable source is present. The filtered and levelled data were used in the interpretation of the electromagnetics. An interpretation map was prepared showing flight lines, fiducials, peak locations of anomalies and conductor outlines. The data have been presented on a Cronaflex copy of the photomosaic base map.

4.4 Total Field Magnetic Contours

The aeromagnetic data were corrected for diurnal variations by adjustment with the recorded base station magnetic values. No correction for regional variation was applied. The corrected profile data were interpolated onto a regular grid at a 40 metre true scale interval using an Akima spline technique. The grid provided the basis for threading the presented contours at a 5 gamma interval.

The contoured aeromagnetic data have been presented on a Cronaflex copy of the photomosaic base map.

4.5 Vertical Magnetic Gradient Contours

The vertical magnetic gradient was calculated from the gridded total field magnetic data. Contoured at a 0.5 nT/m interval, the gradient data were presented on a Cronaflex copy of the base map.

4.6 Apparent Resistivity Contours

The electromagnetic information was processed to yield a map of the apparent resistivity of the ground.

The approach taken in computing apparent resistivity was to assume a model of a 200 metre thick conductive layer (i.e., effectively a half space) over a resistive bedrock. The computer then generated, from nomograms for this model, the resistivity that would be consistent with the bird elevation and recorded amplitude for the 4175 Hz coplanar frequency pair used. The apparent resistivity profile data were interpolated onto a regular grid at a 40 metres true scale interval using an Akima spline technique.

The contoured apparent resistivity data were presented on a Cronaflex copy of the base map with the flight path.

4.7 VLF-EM Total Field

The Line VLF-EM signals were compiled as contours in map form and presented on a Cronaflex overlay of the base map along with flight lines. The orthogonal VLF data were not utilized in the compilation as the line direction data set was complete. The orthogonal data were seen to be valid, nevertheless, and may be processed at a later date. The VLF data were recorded on both analog records and digital tape.

5. INTERPRETATION

5.1 Geology

The geological information that was accessible for this report is rather uncertain and incomplete. Provided by the generosity of Corona Corporation, it includes a company sketched compilation map and a copy of a part of a small scale (1 inch to 4 miles) Geological Survey of Canada Nelson Geology Map 1090A. Hence, no attempt is made to provide a concise geological report here. The brief capsule of geological information in this section serves merely as a connective background for the geophysical interpretation to follow. Only in highly obvious situations will geophysical-geological relations be hypothesized. Any comprehensive geological interpretation would be best left to the client, who with more knowledge of the geological details and objectives can further enhance the geological picture with the use of geophysical data provided by this survey.

The dominant geological unit, covering the core and almost half of the survey area, is the Rossland Formation. This Lower Jurassic aged unit is consisted of andesite, latite, basalt, flow breccia, tuff, augite porphyry, agglomerate and minor shale.

Immediately north of the Rossland Formation, occupying much of the northern portion of the survey area are the similarly aged Sinemurian Beds. These are composed mainly of argillite, argillaceous quartzite and slate, with minor flows and pyroclastic rocks. Pockets of the Rossland formation also occur within the northwest survey boundaries beside the Sinemurian Beds. Similarly, pockets of Nelson plutonic rocks of Lower Cretaceous aged non-porphyritic granite to granodiorite intrude into the Sinemurian Beds in the northeast. A larger unit of this plutonic rock accompanied by several small circular plugs to its west also occupy the east-central region south of the Rossland Formation. Another sub-unit of the Nelson Plutonic rocks of quartz diorite is also seen to protrude into the survey area's west-central margins.

More recent, Tertiary, plutonic intrusions include a centrally located small round Coryell porphyritic augite monzonite plug at the contact between the two Lower Jurassic units and two Sheppard leucocratic granite plutons in the southwest. Just west of these is a small oval shaped outcrop of Middle Jurassic Hall Formation of argillite, sandstone and conglomerate. Alluvial deposits were mapped in narrow strips alongside the Salmo River and Beaver Creek.

The only remaining geological units lie unconformably from the southern faulted contact of the Rossland Formation to the southern boundary of the area. Separated among themselves by faults, they are numbered 5 to 9 on the geological map provided but are of unknown origins to the writer from the information given. The numbering indicates them to be of older rock types from about the same era. They are likely to be sedimentary and/or metasedimentary rocks. Their bedding is seen to be striking consistently northeast, dipping southeasterly at between 20 to 70 degrees, unlike the much more varying strikes and dips of the two major Lower Jurassic units to their north.

5.2 Magnetics

Given its fine amplitude and spatial resolutions of 0.1 nT accuracy and 0.2 second sampling interval, respectively, the aeromagnetic data from the high sensitivity cesium vapour magnetometer can produce a contour map that is comparable in quality to ground data. Hence, with support from the derivative vertical magnetic gradient map and existing geological information, the geological mapping of the survey area could be substantially more refined and detailed.

The total magnetic field in the Trail survey area varies over a moderate range of over 3000 gammas (from about 56580 nT to 59800 nT). There seems to be inconsistent correlation, however, between the varying magnetic intensities and the mapped geological units. This could be from a combination of inaccurate mapping and changing magnetic properties within certain rock units.

The magnetic patterns are, in general, more irregular and sporadic, suggesting a more complex geology than the one mapped. For example, it is expected that the higher amplitude regions of the area, over 57500 nT and represented by the orange/reds of the colour magnetic map, be reflective of the Nelson or younger plutonic rocks. Their occurrences, however, are much more widespread than suspected. On the western map sheet, the Nelson Plutonic rocks were mapped only along the west-central margins, but the magnetic contours extend it further east as well as mapping a similar unit that extends NNE across the length of the area from the southwest corner. The weaker middle of this unit, however, might be more indicative of alluvial deposits that were mapped alongside Beaver Creek.

On the eastern map sheet, similarly high magnetic amplitudes cover much of the northern part, showing the plutonics to be more pervasive than the few pockets that were mapped in the area. The one Coryell plutonic unit mapped shows up well as a relatively isolated and plug like magnetic high near the centre of the area. There is less correlation for the large Nelson plutonic unit that is mapped in the east-central region. The magnetics show it to be further south and of a more oval shape. This magnetic feature has a tail running southwest from its southern end that seems to correlate spatially to a strip of unit numbered 5 and 6 on the geology map, of unknown rock type. An unmapped intrusive like body is also seen to run NNE at the core of the eastern sheet. This could be a structure of significance as both a mapped and magnetically confirmed fault and the survey area's strongest conductor appear to run along its WSW contact.

Other smaller magnetic bodies of similar magnetic high intensities are scattered amongst the mapped sedimentary units, most of which were not indicated on the given geology map. The two dominant Lower Jurassic units of Rossland Formation and Sinemurian Beds appear to be magnetically indistinguishable, with the lowest amplitudes of the area at under 57250 nT (the blues of the colour magnetic map). The several older units mapped to the south yield moderate magnetic amplitudes of between 57240 nT to 57400 nT (yellows and greens of the colour map).

While the amplitude distribution of the total field magnetic map was useful in separating different rock types, the calculated vertical magnetic gradient contours when used in conjunction, can provide valuable added structural and positional information. The gradient effectively removes the regional background levels, sharpening residual anomalies and resolving closely spaced bodies. Its zero contour level also coincides closely to the actual geological contacts. This is especially true for vertical bedding with the steeper structures having their contacts closer to their magnetic peaks.

As well, breaks and offsets are more readily obvious on the gradient map. These pattern discontinuities are naturally often the result of faults, shears and lineaments.

Since tectonic activities of varying degrees are seen to be important in the search for gold mineralization in this and other areas, some obvious contour shifts of significant extent have been inferred as faults or lineaments on the interpretation map. These are highly tentative, of course, particularly in the inherently irregular character of the plutonic intrusives. With ground confirmation, however, they may serve to explain or enhance the existence of certain anomalous electromagnetic or magnetic response of interest.

Faults which might occur along the general strike of the geology are not interpreted since they are indistinguishable on the magnetics and often in the geology of this area, from the contacts.

The only faults mapped on the geology map are the ones along the contacts of the four older unknown units in the south. A couple of these can be substantiated by the magnetics. Among the several faults inferred on the interpretation map, the most obvious one is the clear linear running north south along a good length of the area east of the area's centre. Magnetic patterns also suggest two sets of weaker parallel lineaments, one striking northwest, the other running roughly east-west.

5.3 VLF-EM

Under the optimum conditions of relatively low surficial conductivity, flat terrain, significant physical extend of conductors and properly selected coupling of VLF station signal direction with conductor and flight line strikes, the VLF-EM contour can be an effective mapping tool and supplement to the magnetics and EM.

Unfortunately, despite meeting most of these criteria, including the usage of four different VLF stations, the resulting VLF-EM contour map was uniformly weak, sporadic and poorly defined. In search of an improvement, the orthogonal VLF-EM data, using alternate stations, were equally disappointing when processed. Both versions showed the expected dominant perpendicular to flight line north south strikes. Most of the trends, however, are of weak (under 5% of total field) and apparently non-definitive alternate positive and negative short bands.

In general, there was no VLF magnetic correlation to speak of and only the several stronger or well coupled VLF trends matched their EM resistivity counterparts. Most powerlines, regardless of strike, showed up strongly. Conductors substantiated, or in some useful instances extended, by the VLF include zones 22, 24, 25, 38, 40, 45, 46, 47, 48, 51, 52, 53, 58 and 67. Hence, the VLF contours served better to aid conductor identification and zoning than for mapping purposes. The main reason for the VLF-EM's limited effectiveness is the area's rough terrain. The VLF signals are particularly sensitive to, and therefore were sporadically dampened by, a combination of topography and varying sensor altitude effects. The resulting weak and randomized data were thus rendered unable to form meaningful contour patterns, with the exception of the stronger or optimally aligned conductors.

5.4 Electromagnetics

The electromagnetic data was first checked by a line to line examination of the analog records. Record quality was good with a minor general noise level of under 2 ppm and occasional sferics activity. Virtually all of the system noise was removed by an appropriate low pass filter while most sferics responses were rejected by a statistical filter. As normal, however, a few sferics peaks were left in the processed data and these had to be carefully edited in the interpretation stage of the processed EM profile maps by the use of the original raw data on the analogs.

Initially, these noise responses along with desired bedrock type anomalies and geological/surficial noise peaks were selected automatically with a proprietary computer program. Typically, this user flexible routine chose narrower well defined anomalies, excluding long wavelength quadrature dominant responses of overburden sources and negative inphase profile deviations from high susceptibility magnetite sources.

Questionable anomalies were checked against the analogs for noise and each anomaly was then thoroughly evaluated mainly on shape definition, with only minor regards to apparent conductivity. In particular, the indication of a dipping source from a peak offset of the coaxial response with the coplanar would likely indicate an inclining narrower bedrock structure. Each EM anomaly would also be correlated with adjacent line EM responses and any coincidental photomosaic, magnetic, VLF-EM, altimeter, cultural, and geological data available. Such a process ensured that any EM anomaly of bedrock potential would be selected for the final interpretation map and properly grouped with neighbouring responses into conductive zones which would have some geological meaning.

The results, in general, show that most of the survey area is electromagnetically active, much of it covered by a rather resistive and probably thin overburden. This contrasts rather well with the many highly conductive bedrock responses of the region. Since this contrast was more readily apparent with the lower EM frequencies, the 4175 Hz coplanar coil data were used to calculate the resistivity map. Combined with the horizontal half-spaced model to represent the earth's top conductive layer, the horizontal EM coil responses were chosen over the vertical coils for a truer coupling and resulting contour "picture". When the high frequency, 32 kHz, was tried initially, though conductively more sensitive, the resulting contours were seen to be rather cluttered and of poor definition. The sensitivity to weakly conductive overburden noise tended to overshadow the bedrock responses.

The 4175 Hz resistivity contours, meanwhile, not only highlighted and outlined most selected conductors but showed some correlation to the magnetics and geology. Like the magnetics, it could not distinguish any conductive differences between the two dominant Lower Jurassic units, but is able to demonstrate a different physical character for the older sedimentary rocks of the south. Represented mostly by conductor zone 26, this region is conductive throughout with varying intermediate to high conductivity thickness. Combined with multiple EM peaks and some less defined wider responses, a conductive graphitic shale/limestone or clay environment seems to be the likely source.

The Rossland Formation and Sinemuran Beds are more sporadically conductive. They have their share of bedrock conductors, which are of varying geometry and conductivity, spatially scattered, falling often near known or magnetically inferred contacts. Other parts of these Lower Jurassic rocks are either covered by weak insignificant surficial responses, mostly around drainage features or apparently resistive, of which small pockets are interdispersed among the conductors and larger regions found in the western quarter of the survey area.

The large Nelson plutonic intrusive in the east is also rather resistive, but surrounded interestingly along its fringes by conductors, including zone 31, the strongest conductor of the area. Often the most appealing geological targets are found on the contacts of volcanics with sedimentary rocks.

On the smaller scale, most of the selected conductors also correlate in some way with the magnetics. Actually, the majority tend to fall on magnetic lows. This is probably indicative of the conductors to be, as expected, from a sedimentary rather than the more magnetic volcanic environment. Some conductors such as zones 5, 12, 19, 21, 46 and 60 clearly fall on magnetic flanks reflective of contacts. A few zones (39, 43, 45 and 51) coincide with inferred faults. Only a handful of conductors appear to be directly magnetic. These possible sulphide prospects include zones 6, 7, 31g, 56, 57 and possibly zones 1, 30, 33 and C9.

In many cases, the resistivity contours are better than the EM profiles or selected anomalies at outlining the actual shape of the conductors, in particular the large stronger ones such as zones 2, 3, 14, 19, 26, 29 31, 53, 54 and 60. More careful analysis of the resistivity map in combination with the profiles also suggests possible extensions to the outlines of conductors 4, 6, 9, 10, 14, 25, 30, 35, 37, 40, 47, 56 and 58 already shown on the interpretation maps.

On the interpretation map, the selected conductors are graphically divided into two basic types. The heavier zone outlines denote EM coaxial responses, usually with significant inphase components, whose geometry of narrow well shaped peaks with some offset or differentiation from corresponding coplanar responses indicates dipping, and hence likely, bedrock sources. The lighter conductor boundaries reflect zones with less defined, often quadrature only, anomalies and therefore questionably inclined or "possible bedrock" conductors.

These latter conductors can also be seen on the interpretation map to have a sub-group differentiated by a prefix of "C" on the zone number to denote otherwise well defined anomalies located, and possibly originated from or enhanced by, nearby man-made conductors. The 15 conductors so designated all require some ground check to validate or downgrade their existence. Among these, several also show subtle indications of bedrock characteristics. They are:

C9

Located directly on a magnetic high in between two lows, it has a typical equal dual coaxial peak culture response on Line 1000 but an apparent easterly dipping response on Line 1010.

C3 and C11

Two long zones which have several obvious cultural responses in their middle but weaker more bedrock type anomalies at the ends.

C12 and C13

Located ambiguously on both the town of Salmo, among roads and houses, but also in line with the similarly strong, well shaped but bedrock responses of the area's best conductor, zone 31.

C15

Situated near both a powerline and the interesting one line bedrock response of 65, with a questionable indication of a similar easterly dip on its weak EM peak.

In a similar way in which these 15 culture related zones were analyzed and divided into two priority sub-groups, the 17 zoned "possible bedrock" and 52 "interpreted bedrock" conductors were grouped into two and three classes according to similar geophysical characteristics, respectively, to facilitate ranking and further discussion. The possible bedrock zones were differentiated into two levels based mainly on some observable signs of dip from the EM anomaly geometry.

The interpreted bedrocks, all having requisite sound EM characteristics, were given a higher priority rating if they demonstrate either distinguishing geophysical properties or are obviously associated with favourable magnetic/geologic settings. This is followed by class II and III conductors representing distinctive small isolated zones and the more common long and multiple-peaked formational and probably graphitic type conductors, respectively.

Within each class, the conductors were also roughly prioritized by the context which placed them in the group. Of course, this order is highly tentative and serves merely to provide the client an idea of where to start further investigation or follow-up for each group of conductors.

The result of this interpretational process is summarized in the table presented next page and in the discussion of selected zones which follows.

TABLE OF INTERPRETATIONAL GROUPING OF ZONED CONDUCTORS

GROUP		ZONES	NUMBER
I	Interpreted Bedrock 1	31, 60, 23, 21, 7, 6, 55, 58, 51, 61, 62, 57, 56	13
II	Interpreted Bedrock 2 (Short, isolated)	45, 33, 47, 65, 49, 43, 24, 25, 18, 69, 1, 68, 52, 4, 67, 66, 12	17
III	Interpreted Bedrock 3 (formational)	53, 48, 3, 2, 39, 29, 22, 15, 37, 38, 8, 36, 40, 44, 16, 20, 19, 13, 63, 28, 27, 26	22
IV	Possible Bedrock 1	42, 17, 9, 59, 41, 35, 32, 11, 64, 30	10
V	Possible Bedrock 2	46, 50, 10, 14, 34, 54, 5	7

Zones 31 and 60 - These two similarly long northeast striking multiple-peak formations yield the highest conductance values of the area at over 40 mhos, the top value being an amazing 236 mhos on anomaly 690D of zone 31. More interesting, however, are the conductors' favourable geological locations along apparent fault-contacts, parts of which are with the large Nelson plutonic unit of the southeast. The best locations for initial follow-up along the lengths of these two formations are at the high conductance points to investigate the source of conductivity (probably graphite or iron rich mineralization). For gold, some of the flanking, but perhaps uniquely striking and narrow responses are the best bets for follow-up. These include, in particular, the apparently magnetic sub-zone of 31 g plus 31b, 31c, 31d, 31e, 31f, 60c and 68.

Zone 23 - Of similar setting as the above sub-zones beside the large zone 19 formation, this short north south striking conductor has a very unique vertical dipping EM response along with a weak magnetic correlation.

Zone 21 - Its interesting curved outline is substantiated by a like-shaped contact line on the geology map between the Rossland Formation and Sinemurian Beds. Its eastern flank is also seen to be possibly magnetic beside an inferred fault.

Zones 6 and 7 - Located at the northwest corner these two zones show similar weakly conductive but well shaped EM responses associated directly with weak magnetic highs, a rather distinctive combination in this environment.

Zones 55, 58, 61 and 62 - These four short and relatively isolated zones of intermediate conductance are located around the contact edges of the large Nelson pluton, favourable for volcanic contact mineralization.

Zone 51 - This well defined isolated single line easterly dipping EM anomaly fall right on the most apparent inferred fault of the area. It might strike similarly north to weaker sub-zone 51a.

Zones 56 and 57 - Both are short highly conductive zones falling in or beside the massive formational conductor of 26 (representative of geological unit 7a on the GSC Nelson Geology Map), with distinctive strong magnetic correlations that could be indicative of anomalous mineralization within an otherwise fairly homogeneous unit.

5.5 Recommendations

In summary, the airborne geophysical survey of the Trail Area has proven to be preliminary fruitful. In a relatively magnetic and electromagnetic active mountainous terrain, 84 conductors of varying bedrock potential were outlined, of which 52 were classified as likely bedrock sources, 17 as possible bedrock conductors and 15, prefixed with the letter "C", require some ground follow-up for cultural verification.

These should provide numerous isolated areas for what can be a very interesting ground follow-up program. Due to the difficult flying conditions of the steep relief, the spatial and altitude coverage or accuracy of this type of airborne survey, in particular the VLF-EM as mentioned, cannot match the optimal conditions found on flat terrain. For this reason, the zoning and status of certain conductive responses might be somewhat dubious. This would then place added emphasis on ground follow-up where IP (induced polarization), VLF and horizontal-loop EM could be especially useful.

As an aid to ground follow-up priority planning, all the zoned conductors were carefully analyzed, rated and then prioritized into five separate groups according to like airborne geophysical characteristics. Of all these, only a few can be seriously considered as massive sulphide prospects. They include apparently directly magnetic and short conductors of 31g, 56, 57 and perhaps 33 and 1. Other short, isolated strong but non-magnetic conductors to be considered include zones 45, 65, 23, 55, 58, 61 and 24. Of course, with the search for gold being much more geophysically indirect and geologically subjective, it should be noted that the ranking of the remaining conductors is much more tentative.

The actual priority of their follow-up should be subjected to the much more detailed and concise geological information that is available to the client. The ground follow-up of some of the higher rated zones within each conductor group could then establish further or more concise priority for the other selected conductors.

Respectfully submitted,

Richard Yee

P. Eng., Geophysicist

APPENDIX I

GENERAL INTERPRETIVE CONSIDERATIONS

Electromagnetic

The Aerodat four frequency system utilizes two different transmitter-receiver coil geometries. The traditional coaxial coil configuration is operated at two widely separated frequencies and the horizontal coplanar coil pair is operated at a frequency approximately aligned with one of the coaxial frequencies.

The electromagnetic response measured by the helicopter system is a function of the "electrical" and "geometrical" properties of the conductor. The "electrical" property of a conductor is determined largely by its electrical conductivity, magnetic susceptibility and its size and shape; the "geometrical" property of the response is largely a function of the conductor's shape and orientation with respect to the measuring transmitter and receiver.

Electrical Considerations

For a given conductive body the measure of its conductivity or conductance is closely related to the measured phase shift between the received and transmitted electromagnetic field. A small phase shift indicates a relatively high conductance, a large phase shift lower conductance. A small phase shift indicates a relatively high conductance, a large phase shift lower conductance. A small phase shift results in a large inphase to quadrature ratio and a large phase shift a low ratio. This relationship is shown quantitatively for a non-magnetic vertical half-plane model on the accompanying phasor diagram. Other physical models will show the same trend but different quantitative relationships.

The phasor diagram for the vertical half-plane model, as presented, is for the coaxial coil configuration with the amplitudes in parts per million (ppm) of the primary field as measured at the response peak over the conductor. To assist the interpretation of the survey results the computer is used to identify the apparent conductance and depth at selected anomalies. The results of this calculation are presented in table form in Appendix II and the conductance and inphase amplitude are presented in symbolized form on the map presentation.

The conductance and depth values as presented are correct only as far as the model approximates the real geological situation. The actual geological source may be of limited length, have significant dip, may be strongly magnetic, its conductivity and thickness may vary with depth and/or strike and adjacent bodies and overburden may have modified the response. In general the conductance estimate is less affected by these limitations than is the depth estimate, but both should be considered as relative rather than absolute guides to the anomaly's properties.

Conductance in mhos is the reciprocal of resistance in ohms and in the case of narrow slab-like bodies is the product of electrical conductivity and thickness.

Most overburden will have an indicated conductance of less than 2 mhos; however, more conductive clays may have an apparent conductance of say 2 to 4 mhos. Also in the low conductance range will be electrolytic conductors in faults and shears.

The higher ranges of conductance, greater than 4 mhos, indicate that a significant fraction of the electrical conduction is electronic rather than electrolytic in nature. Materials that conduct electronically are limited to certain metallic sulphides and to graphite. High conductance anomalies, roughly 10 mhos or greater, are generally limited to sulphide or graphite bearing rocks.

Sulphide minerals, with the exception of such ore minerals as sphalerite, cinnabar and stibnite, are good conductors; sulphides may occur in a disseminated manner that inhibits electrical conduction through the rock mass. In this case the apparent conductance can seriously underrate the quality of the conductor in geological terms. In a similar sense the relatively non-conducting sulphide minerals noted above may be present in significant consideration in association with minor conductive sulphides, and the electromagnetic response only relate to the minor associated mineralization. Indicated conductance is also of little direct significance for the identification of gold mineralization. Although gold is highly conductive, it would not be expected to exist in sufficient quantity to create a recognizable anomaly, but minor accessory sulphide mineralization could provide a useful indirect indication.

In summary, the estimated conductance of a conductor can provide a relatively positive identification of significant sulphide or graphite mineralization; however, a moderate to low conductance value does not rule out the possibility of significant economic mineralization.

Geometrical Considerations

Geometrical information about the geologic conductor can often be interpreted from the profile shape of the anomaly. The chance in shape is primarily related to the change in inductive coupling among the transmitter, the target, and the receiver.

In the case of a thin, steeply dipping, sheet-like conductor, the coaxial coil pair will yield a near symmetric peak over the conductor. On the other hand, the coplanar coil pair will pass through a null couple relationship and yield a minimum over the conductor, flanked by positive side lobes. As the dip of the conductor decreased from vertical, the coaxial anomaly shape changes only slightly, but in the case of the coplanar coil pair the side lobe on the down dip side strengthens relative to that on the up dip side.

As the thickness of the conductor increases, induced current flow across the thickness of the conductor becomes relatively significant and complete null coupling with the coplanar coils is no longer possible. As a result, the apparent minimum of the coplanar response over the conductor diminishes with increasing thickness, and in the limiting case of a fully 3 dimensional body or a horizontal layer or half-space, the minimum disappears completely.

A horizontal conducting layer such as overburden will produce a response in the coaxial and coplanar coils that is a function of altitude (and conductivity if not uniform). The profile shape will be similar in both coil configurations with an amplitude ratio (coplanar:coaxial) of about 4:1*.

In the case of a spherical conductor, the induced currents are confined to the volume of the sphere, but not relatively restricted to any arbitrary plane as in the case of a sheet-like form. The response of the coplanar coil pair directly over the sphere may be up to 8* times greater than that of the coaxial pair.

In summary, a steeply dipping, sheet-like conductor will display a decrease in the coplanar response coincident with the peak of the coaxial response. The relative strength of this coplanar null is related inversely to the thickness of the conductor; a pronounced null indicates a relatively thin conductor. The dip of such a conductor can be inferred from the relative amplitudes of the side-lobes.

Massive conductors that could be approximated by a conducting sphere will display a simple single peak profile form on both coaxial and coplanar coils, with a ratio between the coplanar to coaxial response amplitudes as high as 8*.

Overburden anomalies often produce broad poorly defined anomaly profiles. In most cases, the response of the coplanar coils closely follows that of the coaxial coils with a relative amplitude ration of 4*.

Occasionally, if the edge of an overburden zone is sharply defined with some significant depth extent, an edge effect will occur in the coaxial coils. In the case of a horizontal conductive ring or ribbon, the coaxial response will consist of two peaks, one over each edge; whereas the coplanar coil will yield a single peak.

* It should be noted at this point that Aerodat's definition of the measured ppm unit is related to the primary field sensed in the receiving coil without normalization to the maximum coupled (coaxial configuration). If such normalization were applied to the Aerodat units, the amplitude of the coplanar coil pair would be halved.

Magnetics

The Total Field Magnetic Map shows contours of the total magnetic field, uncorrected for regional variation. Whether an EM anomaly with a magnetic correlation is more likely to be caused by a sulphide deposit than one without depends on the type of mineralization. An apparent coincidence between an EM and a magnetic anomaly may be caused by a conductor which is also magnetic, or by a conductor which lies in close proximity to a magnetic body. The majority of conductors which are also magnetic are sulphides containing pyrrhotite and/or magnetite. Conductive and magnetic bodies in close association can be, and often are, graphite and magnetite. It is often very difficult to distinguish between these cases. If the conductor is also magnetic, it will usually produce an EM anomaly whose general pattern resembles that of the magnetics. Depending on the magnetic permeability of the conducting body, the amplitude of the inphase EM anomaly will be weakened, and if the conductivity is also weak, the inphase EM anomaly may even be reversed in sign.

VLF Electromagnetics

The VLF-EM method employs the radiation from powerful military radio transmitters as the primary signals. The magnetic field associated with the primary field is elliptically polarized in the vicinity of electrical conductors. The Herz Totem uses three coils in the X, Y, Z configuration to measure the total field and vertical quadrature component of the polarization ellipse.

The relatively high frequency of VLF (15-25) kHz provides high response factors for bodies of low conductance. Relatively "disconnected" sulphide ores have been found to produce measurable VLF signals. For the same reason, poor conductors such as sheared contacts, breccia zones, narrow faults, alteration zones and porous flow tops normally produce VLF anomalies. The method can therefore be used effectively for geological mapping. The only relative disadvantage of the method lies in its sensitivity to conductive overburden. In conductive ground to depth of exploration is severely limited.

The effect of strike direction is important in the sense of the relation of the conductor axis relative to the energizing electromagnetic field. A conductor aligned along a radius drawn from a transmitting station will be in a maximum coupled orientation and thereby produce a stronger response than a similar conductor at a different strike angle. Theoretically, it would be possible for a conductor, oriented tangentially to the transmitter to produce no signal. The most obvious effect of the strike angle consideration is that conductors favourably oriented with respect to the transmitter location and also near perpendicular to the flight direction are most clearly rendered and usually dominate the map presentation.

The total field response is an indicator of the existence and position of a conductivity anomaly. The response will be a maximum over the conductor, without any special filtering, and strongly favour the upper edge of the conductor even in the case of a relatively shallow dip.

The vertical quadrature component over steeply dipping sheet-like conductor will be a cross-over type response with the cross-over closely associated with the upper edge of the conductor.

The response is a cross-over type due to the fact that it is the vertical rather than total field quadrature component that is measured. The response shape is due largely to geometrical rather than conductivity considerations and the distance between the maximum and minimum on either side of the cross-over is related to target depth. For a given target geometry, the larger this distance the greater the depth.

The amplitude of the quadrature response, as opposed to shape is function of target conductance and depth as well as the conductivity of the overburden and host rock. As the primary field travels down to the conductor through conductive material it is both attenuated and phase shifted in a negative sense. The secondary field produced by this altered field at the target also has an associated phase shift. This phase shift is positive and is larger for relatively poor conductors. This secondary field is attenuated and phase shifted in a negative sense during return travel to the surface. The net effect of these 3 phase shifts determine the phase of the secondary field sensed at the receiver.

A relatively poor conductor in resistive ground will yield a net positive phase shift. A relatively good conductor in more conductive ground will yield a net negative phase shift. A combination is possible whereby the net phase shift is zero and the response is purely in-phase with no quadrature component.

A net positive phase shift combined with the geometrical cross-over shape will lead to a positive quadrature response on the side of approach and a negative on the side of departure. A net negative phase shift would produce the reverse. A further sign reversal occurs with a 180 degree change in instrument orientation as occurs on reciprocal line headings. During digital processing of the quadrature data for map presentation this is corrected for by normalizing the sign to one of the flight line headings.

APPENDIX II

ANOMALY LIST

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
1	10	A	0	4.4	10.4	0.2	0	42
1	10	B	0	3.5	6.7	0.2	0	55
1	10	C	0	9.4	11.1	0.7	10	38
1	10	D	1	25.6	29.4	1.2	0	34
1	10	E	0	9.9	15.2	0.5	0	41
1	11	A	0	6.6	14.2	0.2	0	54
1	11	B	0	9.8	12.0	0.7	10	37
1	11	C	0	13.4	19.4	0.6	2	36
1	11	D	0	16.0	20.8	0.8	7	31
1	11	E	0	6.1	10.2	0.4	3	44
1	11	F	0	7.3	13.3	0.3	0	50
1	11	G	0	7.5	9.5	0.6	12	39
1	12	A	0	2.6	10.0	0.0	0	55
1	12	B	0	12.7	17.0	0.7	0	53
2	20	A	0	4.4	13.0	0.1	0	42
2	20	B	0	0.8	16.1	0.0	0	42
2	20	C	0	3.5	15.4	0.0	0	41
2	20	D	0	12.7	17.8	0.7	6	33
2	20	E	0	16.8	30.5	0.5	0	34
2	20	F	0	6.3	18.9	0.1	1	31
2	20	G	0	4.7	21.4	0.0	0	38
2	20	H	0	6.2	15.3	0.2	0	38
2	20	J	0	7.2	14.1	0.3	7	33
2	20	K	0	5.7	11.7	0.2	4	39
2	20	M	0	1.1	14.3	0.0	0	49
2	20	N	0	5.5	10.0	0.3	9	38
2	20	O	0	0.8	10.1	0.0	0	48
2	20	P	0	4.1	12.5	0.1	0	38
2	20	Q	0	10.3	13.1	0.7	0	65
2	30	A	0	12.1	18.3	0.6	0	53
2	30	B	1	19.7	18.2	1.4	0	53
2	30	C	0	2.3	16.4	0.0	0	43
2	30	D	0	1.9	12.9	0.0	0	54
2	30	E	1	12.6	12.5	1.1	5	43
2	30	F	1	14.9	16.2	1.0	6	37
2	30	G	0	11.4	12.3	0.9	6	41
2	30	H	0	17.7	26.3	0.7	0	37
2	30	J	1	51.1	55.9	1.6	0	28
2	30	K	2	69.5	60.7	2.4	0	39
2	30	M	1	29.4	35.6	1.1	0	34

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
2	30	N	1	38.0	46.3	1.2	0	37
2	30	O	1	32.6	41.8	1.1	0	39
2	30	P	0	30.9	50.7	0.8	0	35
2	30	Q	0	7.5	14.1	0.3	0	43
2	30	R	0	3.3	6.8	0.2	3	49
2	30	S	0	1.5	11.4	0.0	0	43
2	30	T	2	27.2	21.2	2.0	0	42
2	30	U	1	31.5	30.2	1.6	5	30
2	30	V	1	16.6	16.7	1.2	11	32
2	30	W	2	65.3	60.2	2.2	13	14
2	30	X	2	26.9	17.7	2.5	21	21
2	30	Y	0	4.9	7.5	0.4	17	37
2	30	Z	0	3.2	8.9	0.1	8	35
2	30	AA	0	10.1	11.1	0.8	8	41
2	30	AB	0	0.9	6.7	0.0	0	36
2	30	AC	1	15.7	11.5	1.8	0	54
2	30	AD	1	18.8	17.4	1.4	0	45
2	30	AE	0	18.8	31.6	0.6	0	40
2	30	AF	0	6.1	11.3	0.3	0	49
2	30	AG	0	7.0	11.6	0.4	6	39
2	30	AH	1	11.9	10.3	1.3	19	32
2	30	AJ	1	12.5	10.9	1.3	21	29
2	40	A	1	21.6	16.3	1.9	6	37
2	40	B	1	14.1	14.0	1.1	9	36
2	40	C	1	17.1	12.5	1.8	9	39
2	40	D	1	21.4	16.7	1.8	0	49
2	40	E	0	8.0	9.9	0.6	11	39
2	40	F	1	9.1	7.2	1.3	32	27
2	40	G	0	-0.8	5.4	0.0	0	24
2	40	H	0	11.2	20.7	0.4	0	49
2	40	J	2	33.7	26.4	2.1	0	48
2	40	K	0	7.3	12.1	0.4	5	39
2	40	M	0	7.1	15.3	0.3	5	33
2	40	N	0	4.7	6.5	0.4	21	36
2	40	O	1	9.9	8.7	1.2	6	48
2	40	P	2	44.3	25.5	3.5	0	47
2	40	Q	2	51.7	28.5	3.9	0	50
2	40	R	0	7.5	16.1	0.3	0	45
2	40	S	0	3.7	8.0	0.2	5	43
2	40	T	0	3.0	5.9	0.2	6	49
2	40	U	1	35.7	35.1	1.6	0	41
2	40	V	1	45.5	50.9	1.5	0	38
2	40	W	1	43.0	53.3	1.3	0	28
2	40	X	0	15.7	20.4	0.8	6	32

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
2	40	Y	0	3.4	11.3	0.1	7	30
2	40	Z	0	19.8	25.9	0.9	3	32
2	40	AA	1	31.7	29.5	1.7	0	41
2	40	AB	0	6.0	10.0	0.3	0	48
2	40	AC	0	8.8	18.7	0.3	0	52
2	40	AD	0	11.9	24.0	0.4	0	41
2	40	AE	1	22.8	27.0	1.1	0	52
2	40	AF	0	6.7	16.6	0.2	0	51
2	50	A	0	5.1	18.7	0.1	0	48
2	50	B	1	16.6	15.0	1.4	0	48
2	50	C	1	32.9	29.7	1.7	0	50
2	50	D	2	28.0	20.7	2.2	0	49
2	50	E	2	32.8	22.2	2.6	0	51
2	50	F	0	13.8	18.8	0.7	0	52
2	50	G	0	12.9	17.4	0.7	0	55
2	50	H	0	5.2	14.6	0.1	0	62
2	50	J	0	13.9	19.7	0.7	0	42
2	50	K	0	8.3	19.2	0.2	0	42
2	50	M	0	16.8	23.2	0.8	0	48
2	50	N	0	11.3	11.9	0.9	7	41
2	50	O	1	19.4	20.4	1.2	0	41
2	50	P	0	2.1	5.2	0.1	0	63
2	50	Q	0	6.1	6.6	0.7	9	50
2	50	R	1	17.6	16.0	1.4	0	46
2	50	S	2	50.6	31.5	3.3	0	35
2	50	T	0	13.6	32.8	0.3	0	29
2	50	U	0	3.4	6.3	0.2	10	44
2	50	V	1	27.3	32.1	1.1	0	41
2	50	W	1	22.0	23.1	1.2	0	48
2	50	X	0	8.3	9.3	0.8	0	62
2	50	Y	0	6.4	12.9	0.3	0	45
2	50	Z	0	4.3	13.6	0.1	1	35
2	50	AA	0	4.5	11.5	0.1	0	49
2	50	AB	0	0.7	8.0	0.0	0	30
2	50	AC	1	5.7	3.3	1.7	17	58
2	50	AD	2	23.9	14.2	2.7	11	34
3	51	A	0	-0.6	7.1	0.0	0	40
3	51	B	1	20.0	17.8	1.5	15	27
3	51	C	1	12.8	12.2	1.1	18	30
3	60	A	1	26.2	21.7	1.8	0	39
3	60	B	0	6.9	21.5	0.1	0	37
3	60	C	2	18.9	11.1	2.6	0	50

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
3	60	D	2	18.6	10.7	2.6	11	38
3	60	E	1	16.9	17.9	1.1	0	43
3	60	F	1	24.0	24.3	1.3	2	35
3	60	G	0	3.9	8.6	0.2	0	57
3	60	H	0	6.5	17.1	0.2	0	45
3	60	J	0	10.2	32.4	0.2	0	39
3	60	K	1	14.4	14.2	1.1	0	48
3	60	M	2	24.8	18.2	2.1	0	59
3	60	N	0	3.0	7.0	0.1	0	51
3	60	O	0	14.2	19.0	0.7	0	51
3	60	P	0	6.0	13.9	0.2	0	57
3	60	Q	0	8.6	11.7	0.6	5	42
3	60	R	0	4.4	7.7	0.3	8	43
3	60	S	0	4.8	15.4	0.1	0	52
3	60	T	0	8.7	15.3	0.4	0	49
3	60	U	0	10.1	18.0	0.4	5	33
3	60	V	1	20.1	15.3	1.8	0	54
3	60	W	3	38.2	18.7	4.1	0	50
3	60	X	0	17.9	23.7	0.8	0	51
3	60	Y	2	33.1	23.3	2.4	0	50
3	60	Z	2	25.8	19.4	2.0	0	54
3	60	AA	2	21.9	15.4	2.1	0	58
3	60	AB	0	12.3	16.0	0.7	0	57
3	60	AC	0	4.1	20.3	0.0	0	58
3	60	AD	1	15.7	13.8	1.4	0	60
3	60	AE	1	14.1	14.2	1.1	0	55
4	70	A	0	6.3	23.2	0.1	0	41
4	70	B	0	41.5	77.6	0.7	0	29
4	70	C	0	9.8	26.4	0.2	0	45
4	70	D	0	18.7	24.4	0.9	0	44
4	70	E	0	18.2	25.4	0.8	3	32
4	70	F	0	-5.2	12.1	0.0	0	33
4	70	G	0	10.3	21.8	0.3	0	51
4	70	H	0	10.6	36.4	0.1	0	45
4	70	J	0	14.1	40.4	0.2	0	44
4	70	K	0	1.4	24.0	0.0	0	46
4	70	M	0	21.4	39.2	0.6	0	42
4	70	N	1	32.2	44.6	1.0	0	35
4	70	O	1	32.6	33.7	1.5	0	39
4	70	P	1	28.3	32.2	1.2	0	37
4	70	Q	0	15.1	42.9	0.2	0	36
4	70	R	0	5.6	17.0	0.1	0	45
4	70	S	0	0.0	23.1	0.0	0	40
4	70	T	0	-0.1	14.1	0.0	0	40

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
4	70	U	0	-2.1	13.6	0.0	0	49
4	70	V	0	18.5	36.1	0.5	0	49
4	70	W	0	6.9	17.3	0.2	0	55
4	70	X	0	13.1	25.4	0.4	0	42
4	70	Y	0	20.8	35.7	0.6	0	47
4	70	Z	0	3.8	14.2	0.0	0	55
4	70	AA	0	4.7	20.7	0.0	0	42
4	70	AB	0	6.9	17.2	0.2	0	49
4	70	AC	1	28.2	33.0	1.2	0	50
4	70	AD	0	20.7	27.5	0.9	0	44
4	70	AE	0	6.1	17.2	0.1	0	50
4	70	AF	0	24.7	33.1	0.9	0	48
4	70	AG	0	12.9	39.0	0.2	0	44
4	70	AH	0	5.3	22.0	0.1	0	42
4	70	AJ	0	6.1	23.6	0.1	0	40
4	70	AK	0	5.0	25.5	0.0	0	42
4	70	AM	0	11.8	30.9	0.2	0	44
4	70	AN	1	21.7	25.0	1.1	0	43
4	70	AO	1	41.9	39.4	1.8	0	45
4	70	AP	2	35.6	28.5	2.1	0	50
4	70	AQ	2	45.3	24.6	3.8	0	52
4	70	AR	0	9.5	26.6	0.2	0	52
4	80	A	0	11.5	13.2	0.8	0	56
4	80	B	0	15.2	23.9	0.6	0	54
4	80	C	2	35.5	20.9	3.2	0	54
4	80	D	1	19.7	16.5	1.6	0	48
4	80	E	2	28.1	16.7	2.9	0	50
4	80	F	1	19.6	18.0	1.4	0	51
4	80	G	0	5.6	11.1	0.3	0	57
4	80	H	0	6.3	11.9	0.3	0	55
4	80	J	0	11.7	12.8	0.9	15	32
4	80	K	0	9.7	10.4	0.9	6	45
4	80	M	0	9.8	15.8	0.5	0	47
4	80	N	1	8.3	6.3	1.3	14	47
4	80	O	0	5.9	22.8	0.1	0	46
4	80	P	0	8.7	13.9	0.5	0	48
4	80	Q	0	6.6	11.5	0.3	11	33
4	80	R	0	6.0	12.7	0.2	0	48
4	80	S	0	6.3	9.2	0.4	1	49
4	80	T	0	8.4	12.2	0.5	0	51
4	80	U	0	8.1	12.9	0.4	0	62
4	80	V	0	19.1	86.4	0.1	0	31
4	80	W	0	24.7	116.9	0.1	0	28
4	80	X	0	4.5	90.4	0.0	0	27

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
4	80	Y	0	9.2	105.2	0.0	0	29
4	80	Z	0	16.9	25.4	0.7	0	51
4	80	AA	0	-5.7	25.1	0.0	0	28
4	80	AB	2	95.4	76.6	2.9	0	33
4	80	AC	2	155.4	143.2	2.9	0	31
4	80	AD	2	77.9	73.4	2.2	0	36
4	80	AE	1	41.6	52.5	1.2	0	36
4	80	AF	0	11.0	19.5	0.4	0	44
4	80	AG	1	15.4	17.4	1.0	4	37
4	80	AH	0	5.7	9.0	0.4	1	49
4	80	AJ	0	1.7	13.6	0.0	0	56
4	80	AK	0	7.0	16.4	0.2	0	48
4	80	AM	0	-2.7	10.8	0.0	0	49
4	80	AN	0	6.8	77.7	0.0	0	21
4	80	AO	0	-2.9	53.3	0.0	0	21
4	80	AP	0	7.6	37.9	0.0	0	23
4	80	AQ	0	15.0	33.8	0.3	0	39
4	80	AR	0	5.2	16.2	0.1	0	45
4	80	AS	0	4.2	15.4	0.1	0	50
4	80	AT	1	52.4	62.4	1.4	8	18
4	80	AU	0	8.1	14.1	0.4	7	35
4	80	AV	1	11.3	11.4	1.0	0	55
4	80	AW	0	-0.6	7.1	0.0	0	49
4	80	AX	0	10.8	18.0	0.5	3	35
4	90	A	0	6.6	6.4	0.8	0	65
4	90	B	0	8.1	8.2	0.9	0	66
4	90	C	0	12.2	18.7	0.6	0	46
4	90	D	1	26.5	30.9	1.1	7	27
4	90	E	0	5.4	10.7	0.2	1	43
4	90	F	2	27.5	15.3	3.1	0	50
4	90	G	2	34.9	19.8	3.3	0	49
4	90	H	1	31.7	32.5	1.5	0	37
4	90	J	0	27.8	41.6	0.8	0	35
4	90	K	1	24.4	29.4	1.1	0	41
4	90	M	0	18.1	34.6	0.5	0	33
4	90	N	0	18.4	37.6	0.4	0	29
4	90	O	0	13.7	16.9	0.8	0	47
4	90	P	0	4.2	14.8	0.1	0	39
4	90	Q	0	-1.1	9.5	0.0	0	28
4	90	R	0	4.2	13.4	0.1	0	50
4	90	S	0	4.8	13.9	0.1	0	59
4	90	T	0	13.8	17.0	0.8	0	46
4	90	U	1	22.2	17.7	1.8	0	56
4	90	V	2	24.5	18.8	2.0	0	44

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
4	90	W	1	32.1	36.9	1.3	0	40
4	90	X	1	30.5	31.4	1.4	0	37
4	90	Y	1	28.9	34.2	1.2	0	33
4	90	Z	2	33.6	18.6	3.4	0	42
4	90	AA	2	27.9	15.6	3.1	0	50
4	90	AB	0	23.6	31.4	0.9	0	46
4	90	AC	0	4.7	12.4	0.1	0	52
4	90	AD	0	-1.8	66.0	0.0	0	30
4	90	AE	0	-3.5	60.1	0.0	0	30
4	90	AF	0	24.8	139.1	0.1	0	24
4	90	AG	0	21.4	152.7	0.1	0	21
4	90	AH	0	-0.8	49.6	0.0	0	27
4	90	AJ	0	12.7	50.0	0.1	0	32
4	90	AK	0	6.6	7.9	0.6	4	51
4	90	AM	0	4.7	6.8	0.4	0	57
4	90	AN	0	5.2	12.6	0.2	5	34
4	90	AO	0	10.2	14.3	0.6	0	44
4	90	AP	0	7.8	8.2	0.8	0	55
4	90	AQ	0	12.0	19.7	0.5	0	43
4	90	AR	1	13.8	11.3	1.5	0	65
4	90	AS	1	33.3	30.7	1.7	0	49
4	90	AT	0	10.4	29.4	0.2	0	40
4	90	AU	0	7.9	25.8	0.1	0	39
4	90	AV	0	5.8	12.3	0.2	0	45
4	90	AW	1	12.6	10.2	1.4	0	67
4	90	AX	1	14.8	10.5	1.8	18	33
4	100	A	2	14.2	8.2	2.4	0	70
4	100	B	2	19.2	12.1	2.3	0	65
4	100	C	0	5.3	24.3	0.0	0	29
4	100	D	0	5.5	24.8	0.0	0	37
4	100	E	1	17.1	18.7	1.1	0	43
4	100	F	2	51.4	38.5	2.6	0	47
4	100	G	0	3.3	13.8	0.0	0	35
4	100	H	0	3.3	6.4	0.2	0	58
4	100	J	0	2.5	11.3	0.0	0	51
4	100	K	0	-1.8	16.3	0.0	0	32
4	100	M	0	-0.1	18.8	0.0	0	38
4	100	N	0	5.9	28.9	0.0	0	40
4	100	O	0	7.8	8.9	0.7	0	57
4	100	P	1	16.9	16.5	1.2	0	56
4	100	Q	0	17.9	21.7	0.9	0	55
4	100	R	0	21.2	31.8	0.7	0	52
4	100	S	0	7.1	13.3	0.3	2	40
4	100	T	1	46.1	42.8	1.9	0	34

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
4	100	U	1	40.2	40.3	1.6	0	33
4	100	V	0	16.3	19.5	0.9	5	34
4	100	W	0	1.1	7.3	0.0	3	32
4	100	X	0	2.3	17.8	0.0	0	35
4	100	Y	0	-0.1	33.6	0.0	0	38
4	100	Z	0	0.0	38.5	0.0	0	40
4	100	AA	0	1.2	27.3	0.0	0	48
4	100	AB	0	8.6	14.0	0.4	0	54
4	100	AC	2	18.9	12.1	2.3	0	59
4	100	AD	2	26.2	16.4	2.6	0	52
4	100	AE	1	15.5	12.7	1.5	0	57
4	100	AF	1	14.0	11.4	1.5	0	66
4	100	AG	0	20.4	26.0	0.9	0	41
4	100	AH	1	24.2	22.7	1.5	0	48
4	100	AJ	2	28.2	18.9	2.5	0	51
4	100	AK	2	33.5	19.8	3.1	0	51
4	100	AM	0	15.3	22.5	0.7	0	48
4	100	AN	0	11.6	28.3	0.3	0	43
4	100	AO	0	2.2	25.2	0.0	0	45
4	100	AP	0	17.0	21.0	0.9	0	49
4	100	AQ	0	-3.6	8.2	0.0	0	46
4	100	AR	1	24.4	21.1	1.7	4	36
4	100	AS	0	18.4	32.5	0.6	10	20
4	100	AT	0	24.4	34.4	0.9	10	22
4	100	AU	2	32.9	23.0	2.5	0	39
4	100	AV	2	60.8	35.6	3.8	0	39
4	100	AW	2	21.8	12.2	2.9	8	40
4	100	AX	0	17.0	21.5	0.9	4	34
4	100	AY	0	13.1	17.8	0.7	5	35
4	100	AZ	0	8.6	18.1	0.3	0	42
4	100	BA	2	21.0	15.1	2.0	0	49
4	100	BB	2	24.8	14.7	2.8	1	44
4	110	A	0	6.4	11.6	0.3	1	43
4	110	B	0	6.9	13.5	0.3	0	49
4	110	C	1	8.5	6.6	1.3	11	49
4	110	D	3	27.1	9.5	5.8	0	47
4	110	E	3	30.5	11.9	5.2	2	43
4	110	F	2	30.8	16.2	3.5	14	29
4	110	G	2	27.0	14.4	3.3	0	48
4	110	H	1	15.8	14.8	1.3	5	40
4	110	J	3	47.4	24.0	4.2	0	42
4	110	K	2	34.5	17.5	3.8	0	41
4	110	M	3	76.7	39.9	4.7	0	31
4	110	N	2	64.0	40.2	3.5	1	31

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
4	110	O	2	59.6	47.6	2.5	9	21
4	110	P	2	56.1	44.9	2.5	3	27
4	110	Q	2	43.1	38.1	2.0	0	34
4	110	R	1	11.1	10.7	1.1	0	54
4	110	S	0	4.7	11.4	0.2	0	53
4	110	T	0	1.1	11.9	0.0	0	44
4	110	U	0	14.5	23.1	0.6	0	47
4	110	V	0	15.0	21.1	0.7	0	55
4	110	W	1	22.5	20.8	1.5	0	59
4	110	X	2	47.8	31.1	3.1	0	37
4	110	Y	2	47.3	38.3	2.3	1	31
4	110	Z	1	27.9	35.1	1.1	0	35
4	110	AA	0	15.4	22.9	0.7	1	35
4	110	AB	2	41.2	36.0	2.0	0	35
4	110	AC	2	41.6	33.5	2.2	0	44
4	110	AD	1	35.6	32.9	1.7	0	34
4	110	AE	0	6.2	18.1	0.1	0	44
4	110	AF	0	16.3	40.4	0.3	0	29
4	110	AG	0	5.0	10.6	0.2	0	52
4	110	AH	0	4.1	10.3	0.1	3	39
4	110	AJ	0	3.7	8.2	0.2	9	38
4	110	AK	0	0.1	14.9	0.0	0	44
4	110	AM	0	-1.5	33.6	0.0	0	30
4	110	AN	0	3.8	22.6	0.0	0	36
4	110	AO	0	15.7	24.3	0.6	0	52
4	110	AP	0	1.0	18.7	0.0	0	42
4	110	AQ	1	36.3	36.7	1.6	0	42
4	110	AR	1	33.3	35.5	1.4	0	50
4	110	AS	0	5.1	15.0	0.1	0	40
4	110	AT	0	13.5	16.6	0.8	0	54
4	110	AU	1	25.5	31.3	1.0	0	46
4	110	AV	0	14.3	26.7	0.5	0	54
4	110	AW	0	1.6	7.7	0.0	0	47
4	110	AX	0	3.6	13.2	0.0	0	54
4	110	AY	0	7.3	19.9	0.2	0	52
4	110	AZ	0	-2.6	28.6	0.0	0	28
4	110	BA	0	6.3	23.6	0.1	0	36
4	110	BB	0	0.4	9.2	0.0	0	30
4	110	BC	0	0.6	11.2	0.0	0	37
4	110	BD	1	50.1	55.0	1.6	0	41
4	110	BE	2	38.1	29.0	2.3	1	35
4	110	BF	3	49.8	25.3	4.3	0	36
4	110	BG	0	16.5	33.4	0.4	0	30
4	110	BH	0	4.7	22.8	0.0	0	33
4	110	BJ	1	12.7	11.3	1.3	0	52

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
4	120	A	1	4.8	3.9	1.0	0	77
4	120	B	0	2.3	12.4	0.0	0	43
4	120	C	0	4.2	11.7	0.1	0	50
4	120	D	1	25.3	28.8	1.2	0	48
4	120	E	0	3.6	17.7	0.0	0	44
4	120	F	2	22.9	16.3	2.1	1	43
4	120	G	2	25.5	14.4	3.0	2	43
4	120	H	0	10.6	18.5	0.4	0	42
4	120	J	0	11.1	30.4	0.2	0	44
4	120	K	0	5.9	25.7	0.1	0	44
4	120	M	0	13.6	21.5	0.6	0	49
4	120	N	0	16.8	22.9	0.8	0	47
4	120	O	0	5.7	10.9	0.3	10	34
4	120	P	0	0.9	24.0	0.0	0	28
4	120	Q	0	6.1	32.3	0.0	0	33
4	120	R	0	7.3	24.6	0.1	0	37
4	120	S	0	5.8	16.3	0.1	0	48
4	120	T	2	140.3	113.9	3.2	0	26
4	120	U	0	12.8	15.7	0.8	6	37
4	120	V	0	7.8	19.1	0.2	0	44
4	120	W	0	4.8	10.6	0.2	4	39
4	120	X	1	16.0	18.4	1.0	3	38
4	120	Y	0	17.7	21.7	0.9	0	43
4	120	Z	0	8.7	11.2	0.6	0	59
4	120	AA	0	-0.9	7.0	0.0	0	57
4	120	AB	0	20.3	26.2	0.9	0	40
4	120	AC	0	-2.6	4.9	0.0	0	42
5	121	A	0	8.1	16.5	0.3	0	43
5	121	B	0	8.8	20.1	0.3	0	44
5	121	C	2	24.5	15.0	2.7	0	46
5	121	D	2	32.8	17.8	3.4	0	43
5	121	E	3	36.4	11.3	7.4	0	44
5	121	F	2	37.5	22.9	3.1	5	33
5	121	G	3	36.4	11.0	7.7	0	63
5	121	H	3	29.0	8.5	7.5	0	53
5	121	J	1	9.5	7.9	1.2	0	58
5	121	K	2	27.5	15.5	3.1	1	42
5	121	M	3	24.1	7.4	6.7	3	47
5	121	N	0	4.5	7.0	0.3	0	54
5	121	O	0	8.0	19.9	0.2	0	45
5	121	P	0	4.5	12.5	0.1	0	52
5	121	Q	0	5.8	11.1	0.3	3	41
5	131	A	1	6.2	5.4	1.0	41	23

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
5	131	B	0	8.8	11.4	0.6	6	41
5	131	C	0	7.1	7.3	0.8	26	31
5	131	D	0	2.6	10.7	0.0	0	43
5	131	E	0	11.3	19.6	0.5	0	52
5	131	F	1	27.1	31.9	1.1	0	49
5	131	G	1	24.2	31.2	1.0	2	31
5	131	H	4	42.8	11.5	9.5	2	40
5	131	J	3	42.0	17.7	5.2	1	39
5	131	K	3	43.4	14.5	7.1	6	34
5	131	M	3	35.4	10.7	7.7	7	37
5	131	N	3	35.2	13.3	5.7	0	43
5	131	O	4	56.3	16.8	8.9	0	47
5	131	P	4	39.6	10.3	9.7	0	48
5	131	Q	4	32.0	9.1	8.1	0	51
5	131	R	3	36.0	13.3	5.9	0	44
5	131	S	2	19.5	11.0	2.7	3	46
5	131	T	2	23.9	14.7	2.6	0	45
5	131	U	2	26.0	19.5	2.1	0	46
5	131	V	0	14.6	19.0	0.8	0	45
5	131	W	0	11.9	15.3	0.7	0	42
5	131	X	1	24.0	26.2	1.2	0	39
5	131	Y	0	8.6	13.4	0.5	2	41
5	131	Z	2	51.5	47.0	2.0	0	39
5	131	AA	2	45.8	40.7	2.0	0	44
5	131	AB	0	1.8	18.7	0.0	0	32
5	131	AC	0	27.2	45.6	0.7	0	34
5	131	AD	0	11.4	23.2	0.4	0	37
5	131	AE	0	6.4	11.1	0.3	8	37
5	131	AF	0	4.7	12.3	0.1	4	35
5	131	AG	0	6.1	10.6	0.3	2	44
5	131	AH	0	-2.6	10.4	0.0	0	50
5	131	AJ	0	9.6	31.1	0.1	0	39
5	131	AK	0	2.5	15.5	0.0	0	48
5	131	AM	1	19.3	18.2	1.4	0	51
5	131	AN	1	16.5	12.5	1.7	0	56
5	131	AO	2	14.9	9.3	2.2	0	61
5	140	A	1	15.3	15.4	1.1	0	54
5	140	B	0	3.5	8.6	0.1	0	54
5	140	C	1	19.9	16.1	1.7	0	51
5	140	D	1	15.0	15.7	1.1	0	52
5	140	E	0	4.4	20.0	0.0	0	47
5	140	F	0	8.8	15.7	0.4	0	49
5	140	G	0	1.6	7.0	0.0	0	58
5	140	H	1	11.8	10.8	1.2	19	31

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
5	140	J	0	7.7	8.1	0.8	10	45
5	140	K	0	8.5	12.4	0.5	1	44
5	140	M	0	7.0	11.6	0.4	1	44
5	140	N	0	11.7	15.5	0.7	6	37
5	140	O	0	9.7	12.2	0.7	9	37
5	140	P	0	7.7	13.3	0.4	5	37
5	140	Q	1	28.0	37.7	1.0	0	30
5	140	R	1	40.8	50.2	1.3	3	26
5	140	S	0	4.0	8.6	0.2	13	33
5	140	T	0	12.6	14.7	0.8	6	38
5	140	U	0	13.0	21.5	0.5	0	46
5	140	V	0	7.1	21.5	0.1	0	34
5	140	W	0	5.3	18.6	0.1	0	35
5	140	X	0	12.4	15.2	0.8	0	49
5	140	Y	0	3.5	14.8	0.0	0	41
5	140	Z	0	4.2	9.0	0.2	0	49
5	140	AA	0	2.8	4.7	0.2	7	55
5	140	AB	0	0.7	5.5	0.0	0	50
5	141	A	0	8.6	17.8	0.3	0	44
5	141	B	1	23.0	19.4	1.7	13	28
5	141	C	1	24.4	26.1	1.2	1	35
5	141	D	1	34.4	29.9	1.9	8	27
5	141	E	2	34.5	24.5	2.4	14	24
5	141	F	3	68.6	31.2	5.5	7	26
5	141	G	3	57.1	25.0	5.4	5	31
5	141	H	3	35.9	11.1	7.5	3	40
5	141	J	3	58.3	24.8	5.7	2	34
5	141	K	3	69.3	24.7	7.5	3	31
5	141	M	3	51.4	21.6	5.5	7	30
5	141	N	1	11.3	7.9	1.7	0	65
5	141	O	0	16.6	21.0	0.8	0	41
5	141	P	1	22.5	18.9	1.7	8	34
5	141	Q	2	22.7	13.2	2.8	3	43
5	141	R	2	20.7	10.3	3.3	0	51
5	141	S	3	47.8	19.2	5.8	0	39
5	141	T	4	39.6	10.2	9.8	4	39
5	141	U	4	33.4	7.9	10.4	0	47
5	141	V	0	5.8	6.2	0.7	16	45
5	141	W	1	24.7	26.7	1.2	0	52
5	141	X	0	10.8	15.2	0.6	0	52
5	141	Y	0	10.5	13.0	0.7	0	47
5	150	A	0	5.2	10.3	0.2	2	43
5	150	B	0	2.6	8.6	0.0	0	58

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
5	150	C	0	7.2	16.6	0.2	3	33
5	150	D	0	5.8	14.9	0.2	14	22
5	150	E	0	5.6	6.3	0.6	19	41
5	150	F	4	38.3	9.6	10.0	5	38
5	150	G	3	43.7	17.7	5.5	0	47
5	150	H	3	47.0	24.0	4.2	5	32
5	150	J	3	56.2	20.7	6.8	13	23
5	150	K	3	25.4	10.0	4.9	7	40
5	150	M	3	48.0	15.4	7.7	13	26
5	150	N	3	50.4	18.0	6.8	14	24
5	150	O	3	49.1	19.5	5.9	12	26
5	150	P	2	28.6	18.6	2.6	5	37
5	150	Q	2	35.9	23.3	2.8	3	35
5	150	R	2	33.3	24.6	2.3	0	40
5	150	S	1	34.3	35.3	1.5	0	36
5	150	T	0	13.7	23.9	0.5	0	49
5	150	U	0	-2.1	15.8	0.0	0	44
5	150	V	0	-1.8	8.7	0.0	0	51
5	150	W	0	-0.5	9.3	0.0	0	45
5	150	X	0	6.0	15.9	0.2	0	43
5	150	Y	0	11.4	22.8	0.4	0	50
5	150	Z	0	13.9	22.1	0.6	0	39
5	150	AA	1	16.8	18.6	1.0	0	46
5	150	AB	0	16.1	20.8	0.8	8	30
5	150	AC	0	4.8	16.0	0.1	3	30
5	150	AD	0	11.7	20.7	0.4	0	43
5	150	AE	0	3.4	12.5	0.0	2	33
5	150	AF	0	-0.5	12.7	0.0	0	33
5	150	AG	0	3.8	15.0	0.0	0	35
5	150	AH	0	14.0	34.0	0.3	0	34
5	150	AJ	0	8.3	18.1	0.3	0	40
5	150	AK	0	3.4	19.4	0.0	0	35
5	150	AM	0	10.3	16.0	0.5	0	42
5	150	AN	0	8.3	10.8	0.6	15	34
5	150	AO	0	6.8	8.2	0.6	19	35
5	150	AP	0	15.1	19.2	0.8	12	27
5	150	AQ	0	5.4	7.8	0.4	0	62
5	150	AR	0	1.2	8.8	0.0	0	52
5	150	AS	0	1.4	9.0	0.0	0	34
5	150	AT	2	21.6	11.5	3.1	5	43
5	150	AU	3	36.6	14.2	5.5	0	67
5	150	AV	3	28.4	12.8	4.2	0	61
5	150	AW	1	27.4	30.4	1.2	0	40
5	150	AX	0	8.7	9.5	0.8	9	43
5	160	A	1	7.3	5.9	1.2	0	71

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
5	160	B	0	6.4	6.7	0.7	11	48
5	160	C	1	14.1	14.7	1.0	0	53
5	160	D	2	26.9	17.0	2.6	0	59
5	160	E	0	14.2	22.1	0.6	2	34
5	160	F	0	-0.6	4.0	0.0	0	46
5	160	G	0	10.7	13.9	0.7	12	32
5	160	H	0	11.9	13.9	0.8	2	43
5	160	J	1	9.5	9.0	1.0	15	38
5	160	K	0	6.5	12.2	0.3	6	37
5	160	M	0	9.3	20.1	0.3	5	30
5	160	N	0	2.6	7.9	0.1	8	36
5	160	O	1	40.9	46.5	1.4	0	35
5	160	P	0	8.5	15.7	0.4	6	33
5	160	Q	0	12.2	25.4	0.4	0	33
5	160	R	0	8.8	17.4	0.3	5	32
5	160	S	0	14.1	19.7	0.7	11	27
5	160	T	0	13.6	23.2	0.5	10	25
5	160	U	0	17.8	36.2	0.4	2	27
5	160	V	0	20.8	31.6	0.7	2	30
5	160	W	0	13.2	19.9	0.6	0	41
5	160	X	0	18.3	22.8	0.9	5	32
5	160	Y	0	14.1	21.6	0.6	0	40
5	160	Z	0	4.4	8.6	0.2	0	56
5	160	AA	0	-0.1	9.3	0.0	0	46
5	160	AB	2	13.3	7.0	2.6	8	49
5	160	AC	3	15.5	5.6	4.7	9	48
5	160	AD	0	3.4	10.8	0.1	0	45
5	160	AE	0	3.8	14.8	0.0	0	39
5	160	AF	0	1.8	16.4	0.0	0	37
5	160	AG	0	18.0	21.8	0.9	0	46
5	160	AH	1	35.4	32.1	1.8	9	26
5	160	AJ	1	29.4	30.7	1.4	14	20
5	160	AK	2	40.3	25.5	3.0	11	26
5	160	AM	3	33.4	16.3	4.0	0	42
5	160	AN	3	25.1	10.8	4.3	7	41
5	160	AO	3	23.1	8.5	5.2	0	50
5	160	AP	2	29.6	22.4	2.1	0	41
5	160	AQ	2	25.8	20.0	2.0	2	39
5	160	AR	2	49.5	30.2	3.4	1	34
5	160	AS	3	70.6	33.6	5.2	0	36
5	160	AT	3	110.2	51.7	6.0	0	35
5	160	AU	4	94.6	30.8	9.3	6	24
5	160	AV	4	90.1	21.8	13.5	0	39
5	160	AW	4	65.8	22.1	8.0	0	38
5	160	AX	1	6.7	4.5	1.5	33	36

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
5	160	AY	0	6.6	8.4	0.6	24	29
5	160	AZ	0	5.6	8.8	0.4	10	40
5	170	A	0	19.5	26.9	0.8	2	33
5	170	B	0	5.3	12.0	0.2	8	33
5	170	C	0	4.6	4.4	0.7	36	33
5	170	D	3	73.6	32.7	5.7	1	31
5	170	E	2	54.5	34.6	3.3	5	28
5	170	F	2	64.2	37.4	3.9	4	28
5	170	G	3	37.2	16.1	4.8	0	43
5	170	H	1	15.9	16.2	1.1	3	40
5	170	J	0	16.8	20.7	0.9	12	27
5	170	K	0	23.6	56.0	0.4	2	21
5	170	M	0	24.9	55.5	0.5	3	21
5	170	N	1	9.3	6.1	1.7	2	60
5	170	O	2	12.6	8.1	2.0	0	60
5	170	P	0	6.3	7.3	0.6	6	51
5	170	Q	1	15.8	13.8	1.4	1	45
5	170	R	2	33.7	21.8	2.7	0	51
5	170	S	1	10.9	8.6	1.4	4	51
5	170	T	1	15.7	15.4	1.2	1	43
5	170	U	1	18.9	19.9	1.2	2	38
5	170	V	0	17.6	20.9	0.9	0	39
5	170	W	0	19.5	34.6	0.6	0	37
5	170	X	0	14.1	16.0	0.9	12	31
5	170	Y	0	7.8	12.0	0.5	21	24
5	170	Z	0	13.9	24.1	0.5	7	27
5	170	AA	1	10.3	9.7	1.1	5	47
5	170	AB	0	9.1	9.4	0.9	9	43
5	170	AC	1	18.9	17.5	1.4	4	39
5	170	AD	1	15.0	14.1	1.2	18	27
5	170	AE	2	15.6	9.3	2.4	4	48
5	170	AF	3	14.6	3.9	6.9	23	38
5	170	AG	0	8.4	9.1	0.8	27	26
5	170	AH	1	10.8	9.0	1.3	18	36
5	170	AJ	3	6.0	1.8	4.4	26	55
5	170	AK	4	47.4	10.9	12.0	4	37
5	170	AM	5	117.6	19.6	23.7	0	30
5	170	AN	5	95.6	17.9	19.2	0	52
5	170	AO	1	30.3	36.1	1.2	0	40
5	170	AP	0	6.8	10.4	0.4	10	38
6	180	A	0	21.9	40.1	0.6	0	30
6	180	B	0	3.8	13.6	0.1	0	34
6	180	C	0	3.5	13.7	0.0	0	46

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
6	180	D	0	13.4	22.8	0.5	0	40
6	180	E	0	16.6	21.4	0.8	0	48
6	180	F	1	29.0	24.8	1.8	0	47
6	180	G	0	9.9	18.0	0.4	0	49
6	180	H	0	7.9	17.0	0.3	0	38
6	180	J	0	4.1	22.8	0.0	0	39
6	180	K	0	11.6	29.1	0.3	0	48
6	180	M	0	14.4	23.5	0.6	0	53
6	180	N	0	5.8	12.7	0.2	0	48
6	180	O	0	10.0	22.5	0.3	0	37
6	180	P	0	12.8	23.5	0.4	0	34
6	181	A	2	5.3	1.9	3.3	8	76
6	181	B	0	7.7	10.8	0.5	0	64
6	181	C	2	16.9	10.0	2.4	0	61
6	181	D	5	127.1	27.6	17.1	0	40
6	181	E	4	135.5	37.4	12.7	0	33
6	181	F	4	133.9	38.7	11.9	0	31
6	181	G	0	6.6	12.6	0.3	4	38
6	181	H	0	3.4	10.1	0.1	11	29
6	181	J	0	3.9	13.8	0.1	7	27
6	181	K	0	10.1	12.7	0.7	0	52
6	181	M	0	35.5	62.6	0.7	0	42
6	181	N	1	47.4	44.2	1.9	0	47
6	181	O	0	4.7	11.7	0.1	0	69
6	181	P	0	4.5	10.5	0.2	0	61
6	181	Q	0	12.1	25.5	0.3	2	30
6	181	R	0	12.3	19.9	0.5	0	47
6	181	S	0	15.1	20.9	0.7	6	32
6	181	T	0	12.1	23.6	0.4	0	41
6	190	A	0	4.8	7.7	0.3	0	63
6	190	B	0	5.5	8.8	0.4	0	53
6	190	C	0	9.1	15.9	0.4	0	59
6	190	D	5	111.6	21.1	19.7	0	41
6	190	E	5	124.4	26.2	17.7	0	33
6	190	F	5	103.4	23.3	15.4	0	31
6	190	G	4	67.2	20.3	9.3	8	27
6	190	H	0	3.3	6.8	0.2	3	48
6	190	J	0	3.9	7.5	0.2	8	42
6	190	K	0	12.3	17.8	0.6	5	35
6	190	M	0	0.9	35.6	0.0	0	15
6	190	N	1	17.6	16.5	1.3	0	51
6	190	O	2	101.1	93.2	2.5	0	33
6	190	P	1	38.8	47.7	1.2	0	42

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
6	190	Q	0	6.2	13.1	0.2	0	51
6	190	R	0	8.9	14.3	0.5	0	55
6	190	S	0	5.4	11.9	0.2	14	28
6	190	T	0	18.0	26.2	0.7	0	42
6	190	U	0	6.3	38.9	0.0	0	22
6	190	V	0	5.3	26.9	0.0	0	28
6	190	W	0	4.6	15.0	0.1	0	51
6	190	X	0	4.7	13.7	0.1	0	57
6	190	Y	0	1.6	13.8	0.0	0	45
6	190	Z	0	9.9	40.1	0.1	0	44
6	190	AA	0	7.2	17.0	0.2	0	53
6	190	AB	0	8.6	18.7	0.3	0	51
6	190	AC	1	31.7	29.9	1.6	0	49
6	190	AD	1	29.6	29.1	1.5	0	48
6	190	AE	0	8.7	8.7	0.9	14	40
6	190	AF	0	11.5	17.6	0.5	4	35
6	190	AG	0	9.3	9.4	0.9	10	43
9	201	A	0	7.1	8.2	0.7	6	48
9	201	B	0	6.8	10.0	0.5	13	36
9	201	C	1	6.2	3.9	1.5	6	65
9	201	D	0	9.0	9.7	0.8	0	74
9	201	E	0	6.4	6.0	0.9	7	55
9	201	F	1	15.9	17.9	1.0	0	44
9	201	G	0	10.0	17.3	0.4	0	44
9	201	H	0	6.4	11.1	0.3	16	29
9	201	J	1	10.8	10.3	1.1	0	52
9	201	K	1	11.8	10.3	1.2	10	41
9	201	M	0	10.0	15.1	0.5	4	37
9	201	N	0	5.8	11.0	0.3	10	34
9	201	O	0	3.8	14.3	0.0	4	29
9	201	P	0	10.2	21.1	0.3	7	27
9	201	Q	0	6.6	14.7	0.2	5	33
9	201	R	0	0.5	7.9	0.0	0	65
9	201	S	0	21.4	42.6	0.5	0	32
9	201	T	0	16.1	47.0	0.2	0	25
9	201	U	0	12.3	39.0	0.2	2	22
9	201	V	0	2.1	8.0	0.0	2	38
9	201	W	0	7.6	22.3	0.2	1	30
9	201	X	0	4.8	10.8	0.2	5	37
9	201	Y	0	6.7	11.8	0.3	10	34
9	201	Z	3	18.0	5.7	5.8	0	77
9	201	AA	3	24.1	7.1	7.0	0	71
9	201	AB	4	23.0	4.9	10.8	0	61
9	201	AC	0	2.6	11.2	0.0	0	62

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
9	201	AD	0	4.2	6.5	0.3	0	59
9	211	A	1	9.1	8.0	1.1	0	59
9	211	B	0	5.4	11.1	0.2	0	56
9	211	C	5	53.0	9.0	18.5	0	49
9	211	D	5	214.3	49.2	18.3	0	31
9	211	E	4	202.8	66.6	11.4	0	31
9	211	F	0	5.3	8.3	0.4	0	54
9	211	G	0	3.8	13.0	0.1	2	33
9	211	H	0	4.5	8.5	0.2	0	53
9	211	J	0	2.1	11.9	0.0	3	28
9	211	K	0	10.5	17.5	0.5	0	51
9	211	M	0	15.2	22.6	0.6	0	48
9	211	N	0	4.8	10.4	0.2	3	40
9	211	O	0	4.6	9.7	0.2	10	34
9	211	P	0	5.6	10.6	0.3	1	44
9	211	Q	0	4.0	7.6	0.2	0	52
9	211	R	0	4.7	8.2	0.3	20	30
9	211	S	0	10.0	12.2	0.7	8	39
9	211	T	0	8.4	17.9	0.3	0	42
9	211	U	0	3.8	12.6	0.1	0	49
9	211	V	0	6.9	10.4	0.4	0	58
9	211	W	1	12.6	9.5	1.6	2	51
9	211	X	0	6.0	7.7	0.5	3	52
9	211	Y	0	6.3	12.8	0.3	0	57
9	211	Z	1	19.3	21.6	1.1	16	23
9	211	AA	0	9.3	11.4	0.7	0	48
7	220	A	0	4.8	17.5	0.1	6	25
7	220	B	0	6.6	10.0	0.4	9	39
7	220	C	1	16.3	14.2	1.4	10	36
7	220	D	1	23.9	23.9	1.4	12	25
7	220	E	0	6.5	9.3	0.5	8	42
7	220	F	0	4.4	6.2	0.4	0	70
7	220	G	0	4.2	5.3	0.5	1	61
7	220	H	1	7.7	7.0	1.0	3	56
7	220	J	0	1.8	42.0	0.0	0	24
7	220	K	0	3.4	29.2	0.0	0	34
7	220	M	0	6.1	6.9	0.6	17	41
7	220	N	1	11.9	10.6	1.2	5	46
7	220	O	0	9.4	30.4	0.1	14	12
7	220	P	0	14.1	34.4	0.3	14	14
7	220	Q	0	12.7	24.3	0.4	7	26
7	220	R	0	14.4	26.1	0.5	0	34
7	220	S	0	18.4	22.4	0.9	3	34

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
7	220	T	2	42.6	27.1	3.0	0	38
7	220	U	0	7.1	13.2	0.3	0	48
7	220	V	0	11.1	18.9	0.5	0	46
7	220	W	0	18.5	23.7	0.9	0	45
7	220	X	1	20.3	20.7	1.2	0	50
7	220	Y	1	23.9	23.6	1.4	0	47
7	220	Z	0	13.9	20.4	0.6	0	46
8	221	A	5	45.8	8.7	15.3	0	63
8	221	B	4	62.5	13.0	14.8	0	55
8	221	C	0	-1.4	4.3	0.0	0	24
8	221	D	0	2.7	14.2	0.0	0	33
8	221	E	0	8.8	10.1	0.7	0	57
8	221	F	0	5.1	7.4	0.4	19	35
9	231	A	1	14.2	13.5	1.2	0	49
9	231	B	0	9.6	9.6	0.9	0	55
9	231	C	5	92.9	19.9	15.9	1	31
9	231	D	4	172.1	49.5	12.9	0	26
9	231	E	0	4.5	5.9	0.4	21	39
9	231	F	0	10.0	13.9	0.6	0	53
9	231	G	0	12.8	15.1	0.8	0	67
9	231	H	0	10.2	15.8	0.5	0	70
9	231	J	0	4.5	13.2	0.1	0	46
9	231	K	0	4.2	12.7	0.1	0	44
9	231	M	0	6.3	17.7	0.1	0	65
9	231	N	0	5.6	25.5	0.0	0	30
9	231	O	0	9.0	13.8	0.5	0	44
9	231	P	0	11.0	13.5	0.7	8	37
9	231	Q	0	6.6	11.2	0.4	10	35
9	231	R	0	8.0	9.3	0.7	4	48
9	231	S	0	7.0	9.9	0.5	5	44
9	231	T	0	0.6	14.6	0.0	0	33
9	231	U	0	10.8	15.5	0.6	11	31
9	231	V	0	20.0	26.4	0.9	12	23
9	231	W	1	32.6	35.2	1.4	0	48
9	231	X	0	20.0	37.1	0.5	0	42
9	231	Y	0	6.0	23.0	0.1	0	38
9	231	Z	0	6.0	15.9	0.2	0	49
9	231	AA	0	6.6	15.5	0.2	0	46
9	231	AB	0	10.5	13.4	0.7	0	54
9	231	AC	0	8.3	13.6	0.4	0	50
9	231	AD	1	16.0	14.3	1.4	10	36
9	231	AE	2	18.0	11.7	2.2	11	38
9	231	AF	2	19.9	12.4	2.4	0	57

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
9	231	AG	0	1.4	6.4	0.0	2	40
9	231	AH	0	5.2	7.2	0.4	3	52
9	231	AJ	0	4.4	6.3	0.4	14	44
9	240	A	0	3.6	3.7	0.6	0	73
9	240	B	0	-0.6	5.0	0.0	0	44
9	240	C	0	3.3	8.1	0.1	9	37
9	240	D	1	21.5	16.7	1.8	5	39
9	240	E	2	26.6	18.6	2.3	0	43
9	240	F	0	0.9	13.1	0.0	0	35
9	240	G	0	6.6	22.9	0.1	0	47
9	240	H	0	7.7	24.1	0.1	0	47
9	240	J	0	7.4	28.9	0.1	0	42
9	240	K	0	8.8	17.1	0.3	0	53
9	240	M	1	28.8	33.3	1.2	0	36
9	240	N	0	27.6	42.3	0.8	2	27
9	240	O	0	13.2	22.9	0.5	1	34
9	240	P	0	8.0	11.6	0.5	9	37
9	240	Q	0	6.6	8.4	0.6	20	33
9	240	R	0	7.1	13.0	0.3	16	26
9	240	S	0	8.2	12.1	0.5	4	42
9	240	T	0	11.6	17.4	0.6	0	43
9	240	U	0	16.8	23.9	0.7	0	41
9	240	V	0	10.3	19.9	0.4	0	36
9	240	W	0	5.9	19.7	0.1	3	27
9	240	X	0	11.6	18.8	0.5	0	42
9	240	Y	0	10.2	19.3	0.4	0	44
9	240	Z	0	20.7	32.6	0.7	0	33
9	240	AA	0	15.2	23.1	0.6	0	41
9	240	AB	0	17.4	32.6	0.5	0	37
9	240	AC	0	31.6	49.4	0.8	0	29
9	240	AD	3	24.5	8.1	6.1	0	61
9	240	AE	3	13.3	4.0	5.7	0	76
9	240	AF	0	7.5	13.3	0.4	0	59
9	240	AG	0	8.7	9.1	0.8	0	74
9	250	A	1	13.0	11.5	1.3	0	59
9	250	B	1	11.8	11.0	1.1	0	66
9	250	C	4	86.1	20.9	13.2	0	34
9	250	D	5	222.6	56.8	16.1	0	27
9	250	E	2	22.7	11.5	3.3	13	35
9	250	F	0	11.3	12.6	0.9	0	68
9	250	G	0	11.0	12.9	0.8	2	44
9	250	H	1	13.0	13.0	1.1	0	48
9	250	J	1	12.3	12.1	1.1	3	45

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
9	250	K	0	10.4	32.0	0.2	7	19
9	250	M	0	20.5	27.2	0.9	12	23
9	250	N	0	22.2	41.9	0.5	5	22
9	250	O	0	16.7	21.0	0.9	7	32
9	250	P	0	3.3	8.7	0.1	0	53
9	250	Q	0	8.5	12.3	0.5	8	37
9	250	R	0	9.2	11.1	0.7	0	52
9	250	S	0	17.4	23.3	0.8	0	55
9	250	T	0	8.1	20.8	0.2	0	46
10	251	A	1	17.7	15.8	1.4	4	40
10	251	B	1	17.2	15.2	1.4	0	46
10	251	C	1	16.9	12.6	1.8	4	44
10	251	D	0	10.8	11.8	0.9	1	47
10	251	E	0	3.0	10.8	0.0	0	46
10	260	A	0	0.8	11.3	0.0	0	42
10	260	B	0	2.2	11.8	0.0	0	42
10	260	C	0	12.9	16.2	0.8	0	43
10	260	D	1	14.5	15.2	1.0	4	40
10	260	E	1	19.3	19.7	1.2	0	40
10	260	F	1	21.2	21.8	1.2	7	31
10	260	G	0	13.1	23.8	0.5	6	28
10	260	H	0	12.4	27.0	0.3	0	36
10	260	J	0	12.8	21.9	0.5	0	38
10	260	K	0	10.0	25.6	0.2	0	37
10	260	M	0	13.3	22.3	0.5	0	41
10	260	N	0	11.9	17.2	0.6	0	58
10	260	O	0	-1.3	7.1	0.0	0	55
10	260	P	0	8.1	17.7	0.3	0	41
10	260	Q	0	10.4	20.8	0.3	0	50
10	260	R	0	5.4	11.1	0.2	0	74
10	260	S	0	8.4	24.0	0.2	0	33
10	260	T	0	44.9	106.0	0.5	0	27
10	260	U	0	38.7	92.4	0.5	0	26
10	260	V	0	20.1	37.6	0.5	0	30
10	260	W	1	11.2	9.0	1.4	8	46
10	260	X	3	73.7	25.9	7.8	0	45
10	260	Y	4	95.4	30.3	9.6	0	50
10	260	Z	3	115.5	49.2	6.9	0	36
10	260	AA	0	10.9	23.6	0.3	0	54
10	270	A	1	20.3	19.7	1.3	0	59
10	270	B	0	8.6	11.5	0.6	0	61
10	270	C	3	47.3	16.9	6.7	0	44

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
10	270	D	4	82.4	28.3	8.3	0	51
10	270	E	3	54.9	21.7	6.1	0	57
10	270	F	0	11.9	30.2	0.3	0	51
10	270	G	0	13.9	27.4	0.4	0	59
10	270	H	0	12.0	15.3	0.7	0	74
10	270	J	1	25.1	31.6	1.0	0	48
10	270	K	0	17.7	31.0	0.5	0	39
10	270	M	0	13.2	16.2	0.8	0	42
10	270	N	0	2.0	12.8	0.0	0	34
10	270	O	0	3.3	11.4	0.1	0	40
10	270	P	0	8.6	13.1	0.5	0	56
10	270	Q	0	8.2	19.0	0.2	0	54
10	270	R	0	12.6	26.2	0.4	0	36
10	270	S	0	10.2	12.3	0.7	13	34
10	270	T	1	11.5	11.9	1.0	13	35
10	270	U	0	7.1	16.6	0.2	0	51
10	270	V	0	8.7	20.8	0.2	0	41
10	280	A	0	5.0	9.4	0.3	0	52
10	280	B	0	2.7	7.0	0.1	5	42
10	280	C	0	1.4	12.5	0.0	0	31
10	280	D	0	2.7	10.3	0.0	0	50
10	280	E	1	15.9	18.0	1.0	0	46
10	280	F	1	19.9	20.3	1.2	0	41
10	280	G	0	9.6	14.0	0.5	0	45
10	280	H	0	7.2	11.3	0.4	0	46
10	280	J	0	9.7	11.9	0.7	0	48
10	280	K	0	2.5	11.8	0.0	0	49
10	280	M	1	26.8	29.6	1.2	0	39
10	280	N	1	32.8	33.7	1.5	0	40
10	280	O	0	22.3	29.6	0.9	6	27
10	280	P	0	25.4	44.9	0.6	0	35
10	280	Q	0	10.3	14.6	0.6	0	59
10	280	R	0	2.4	7.4	0.0	0	60
10	280	S	0	-1.1	7.2	0.0	0	57
10	280	T	0	0.2	7.0	0.0	0	39
10	280	U	0	7.0	13.8	0.3	0	42
10	280	V	0	9.3	20.5	0.3	0	43
10	280	W	0	7.0	19.4	0.2	0	46
10	280	X	0	13.9	32.3	0.3	0	33
10	280	Y	0	3.7	16.5	0.0	0	33
10	280	Z	0	5.4	20.3	0.1	2	27
10	280	AA	2	20.3	14.3	2.1	0	55
10	280	AB	3	36.2	15.2	5.0	0	69
10	280	AC	3	41.8	17.9	5.1	0	40

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
10	280	AD	0	5.9	20.6	0.1	0	41
10	280	AE	0	7.4	14.7	0.3	0	66
10	280	AF	0	12.7	20.7	0.5	0	55
10	290	A	0	8.5	11.6	0.6	0	58
10	290	B	0	13.1	18.3	0.7	0	54
10	290	C	0	13.5	17.0	0.8	0	60
10	290	D	2	27.1	18.5	2.4	3	39
10	290	E	2	30.6	22.4	2.3	2	37
10	290	F	3	43.0	13.5	7.7	0	48
10	290	G	3	44.7	15.0	7.1	0	40
10	290	H	3	81.6	34.2	6.4	0	34
10	290	J	0	3.2	-0.8	0.0	0	45
10	290	K	0	18.4	41.8	0.4	0	32
10	290	M	0	6.0	18.8	0.1	2	29
10	290	N	0	6.9	8.9	0.6	17	35
10	290	O	0	4.7	7.6	0.3	0	53
10	290	P	0	12.2	19.5	0.5	0	45
10	290	Q	0	7.1	22.1	0.1	0	39
10	290	R	0	5.7	14.9	0.2	0	62
10	290	S	0	4.1	13.9	0.1	0	69
10	290	T	0	11.7	27.2	0.3	0	47
10	290	U	0	4.4	18.8	0.0	0	66
10	290	V	0	10.6	19.1	0.4	5	32
10	290	W	0	6.0	11.3	0.3	6	38
10	290	X	0	6.6	11.9	0.3	0	57
10	290	Y	1	14.1	15.6	1.0	0	56
10	290	Z	0	-0.8	7.6	0.0	0	45
10	290	AA	0	-0.2	2.9	0.0	0	63
10	290	AB	0	7.2	15.0	0.3	2	37
10	300	A	0	6.2	11.4	0.3	0	54
10	300	B	0	-2.4	5.5	0.0	0	45
10	300	C	0	14.1	28.6	0.4	0	31
10	300	D	0	15.2	20.6	0.7	2	37
10	300	E	1	17.4	17.1	1.2	0	43
10	300	F	1	25.0	31.3	1.0	0	38
10	300	G	0	16.3	33.2	0.4	0	46
11	301	A	0	36.5	54.2	0.9	0	35
11	301	B	0	13.2	22.6	0.5	4	31
11	301	C	0	10.2	10.6	0.9	1	50
11	301	D	0	6.8	11.8	0.4	0	62
11	301	E	0	13.2	19.2	0.6	0	39
11	301	F	1	20.6	25.4	1.0	0	40

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
11	301	G	0	18.9	35.2	0.5	0	38
11	301	H	0	7.8	20.2	0.2	0	39
11	301	J	0	-0.4	9.0	0.0	0	37
11	301	K	2	31.6	15.9	3.8	5	38
11	301	M	3	53.7	22.8	5.5	0	39
11	301	N	3	21.7	8.3	4.8	6	45
11	301	O	2	68.2	51.4	2.8	0	30
11	301	P	3	78.6	43.5	4.4	0	32
11	301	Q	0	8.5	17.8	0.3	0	53
11	301	R	0	7.5	7.0	0.9	4	54
11	310	A	0	10.2	17.4	0.4	0	44
11	310	B	0	20.0	34.1	0.6	0	42
11	310	C	0	13.0	25.2	0.4	0	46
11	310	D	2	62.3	36.1	3.9	0	33
11	310	E	2	67.4	39.3	3.9	0	33
11	310	F	3	23.1	8.2	5.4	0	51
11	310	G	2	20.0	8.7	3.9	21	30
11	310	H	1	11.9	9.6	1.4	24	29
11	310	J	0	7.5	12.1	0.4	15	29
11	310	K	0	-0.9	7.9	0.0	0	31
11	310	M	0	6.5	16.0	0.2	6	30
11	310	N	0	7.0	19.3	0.2	0	34
11	310	O	1	14.9	12.9	1.4	24	24
11	310	P	0	14.2	33.8	0.3	0	28
11	310	Q	0	8.3	19.7	0.2	16	18
11	310	R	0	4.4	15.1	0.1	0	55
11	310	S	0	6.3	21.4	0.1	0	55
11	310	T	0	15.3	53.8	0.2	0	25
11	310	U	0	37.8	95.8	0.5	0	28
11	310	V	0	46.5	87.6	0.7	0	29
11	310	W	0	12.5	63.3	0.1	0	33
11	310	X	0	10.6	36.4	0.1	0	48
11	310	Y	0	6.9	26.9	0.1	0	34
11	310	Z	0	17.2	23.7	0.8	0	40
11	310	AA	0	5.9	12.2	0.2	0	53
11	310	AB	0	0.4	7.8	0.0	0	35
11	310	AC	0	2.6	12.0	0.0	0	37
11	310	AD	0	9.0	15.4	0.4	0	40
11	310	AE	0	7.4	9.2	0.6	4	48
11	320	A	0	3.5	5.5	0.3	14	45
11	320	B	0	2.9	9.9	0.0	1	38
11	320	C	0	-0.1	3.7	0.0	0	44
11	320	D	0	6.0	10.8	0.3	0	60

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
11	320	E	0	13.7	17.9	0.7	0	46
11	320	F	0	15.5	18.2	0.9	2	39
11	320	G	1	15.9	18.1	1.0	7	35
11	320	H	0	9.4	14.7	0.5	4	38
11	320	J	0	8.0	40.6	0.0	0	41
11	320	K	0	7.2	38.5	0.0	0	41
11	320	M	0	9.2	16.4	0.4	0	46
11	320	N	0	12.6	27.5	0.3	0	35
11	320	O	0	10.3	20.8	0.3	2	32
11	320	P	0	18.5	34.5	0.5	0	39
11	320	Q	0	19.8	32.8	0.6	0	33
11	320	R	0	9.6	13.2	0.6	0	50
11	320	S	0	3.0	9.3	0.1	0	41
11	320	T	0	4.5	14.7	0.1	0	42
11	320	U	0	9.9	21.2	0.3	0	46
11	320	V	0	10.0	20.0	0.3	0	48
11	320	W	0	5.9	8.4	0.4	2	50
11	320	X	0	-2.3	12.7	0.0	0	26
11	320	Y	0	13.1	25.0	0.4	0	42
11	320	Z	0	9.4	25.2	0.2	0	40
11	330	A	3	38.8	12.5	7.2	5	37
11	330	B	3	34.6	10.9	7.2	3	41
11	330	C	0	13.9	19.5	0.7	0	47
11	330	D	0	26.7	47.6	0.6	5	22
11	330	E	0	7.9	15.9	0.3	10	28
11	330	F	0	7.2	13.5	0.3	15	27
11	330	G	0	8.0	18.2	0.2	0	59
11	330	H	0	4.1	16.6	0.0	0	41
11	330	J	0	5.0	11.0	0.2	0	64
11	330	K	0	3.5	26.1	0.0	0	44
11	330	M	0	0.2	39.4	0.0	0	36
11	330	N	0	16.9	40.1	0.3	0	39
11	330	O	0	15.7	23.2	0.7	2	34
11	330	P	0	4.5	10.2	0.2	3	41
11	340	A	1	20.1	21.6	1.1	3	36
11	340	B	1	17.2	19.3	1.0	8	32
11	340	C	0	10.8	18.0	0.5	5	33
11	340	D	0	9.9	16.6	0.4	0	44
11	340	E	0	6.2	13.0	0.2	7	33
11	340	F	0	13.1	22.8	0.5	0	50
11	340	G	1	12.6	13.5	1.0	0	62
11	340	H	0	9.1	13.1	0.5	0	53
11	340	J	0	9.6	14.2	0.5	0	43

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
11	340	K	1	22.6	22.4	1.3	0	54
11	340	M	0	17.2	24.1	0.7	0	48
11	340	N	0	3.8	9.0	0.1	0	46
11	340	O	0	1.5	15.9	0.0	0	41
11	340	P	0	-0.3	11.5	0.0	0	50
11	340	Q	3	43.6	15.5	6.6	0	49
11	340	R	3	46.7	15.2	7.5	0	43
11	340	S	3	48.3	18.8	6.0	0	48
11	340	T	0	11.4	19.8	0.5	0	44
11	340	U	0	9.0	20.3	0.3	0	41
11	350	A	3	74.9	27.2	7.5	0	40
11	350	B	3	85.9	40.9	5.5	0	31
11	350	C	3	30.6	9.9	6.7	0	48
11	350	D	2	13.3	6.8	2.7	0	58
11	350	E	0	2.7	6.6	0.1	0	54
11	350	F	0	8.3	19.2	0.2	0	48
11	350	G	1	27.0	29.8	1.2	0	55
11	350	H	0	18.4	28.0	0.7	0	54
11	350	J	0	-2.4	9.9	0.0	0	44
11	350	K	0	4.5	23.6	0.0	0	35
11	350	M	0	4.4	21.7	0.0	0	42
11	350	N	0	1.5	14.8	0.0	0	46
11	350	O	0	7.5	20.8	0.2	0	60
11	350	P	0	3.2	22.8	0.0	0	47
11	350	Q	0	8.9	24.3	0.2	0	49
11	350	R	0	-2.4	11.8	0.0	0	35
11	350	S	0	-2.7	11.2	0.0	0	49
12	361	A	0	9.6	20.4	0.3	0	51
12	361	B	0	10.8	24.0	0.3	0	51
12	361	C	2	20.7	14.6	2.1	0	52
12	361	D	0	13.0	22.9	0.5	0	34
12	361	E	0	6.7	14.3	0.2	6	33
12	361	F	0	8.9	11.4	0.6	14	34
12	361	G	0	18.1	23.7	0.8	9	28
12	361	H	1	23.6	29.2	1.0	10	24
12	361	J	2	46.1	33.5	2.6	0	34
12	361	K	1	40.3	35.8	1.9	11	22
12	361	M	0	13.0	35.3	0.2	7	19
12	361	N	0	14.6	21.7	0.6	0	37
12	361	O	2	43.2	24.7	3.5	0	41
12	361	P	2	41.1	30.7	2.4	0	35
12	361	Q	0	4.7	5.8	0.5	2	59
12	361	R	1	24.1	22.2	1.5	0	46

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
12	361	S	1	35.7	33.2	1.7	0	42
12	361	T	1	25.6	30.3	1.1	0	43
12	361	U	1	16.9	19.6	1.0	0	53
12	361	V	1	27.3	35.5	1.0	0	40
12	361	W	1	34.5	43.8	1.1	0	40
12	361	X	0	16.6	26.6	0.6	0	52
12	361	Y	2	22.3	16.6	2.0	1	42
12	361	Z	2	36.9	18.6	3.9	6	34
12	361	AA	3	18.5	7.5	4.2	0	69
12	361	AB	2	43.7	24.3	3.6	0	40
12	361	AC	1	10.5	8.2	1.4	18	38
12	361	AD	1	12.7	12.1	1.1	9	39
12	361	AE	1	15.5	16.2	1.1	1	42
12	361	AF	2	14.1	6.8	3.0	14	43
11	365	A	0	1.6	5.2	0.0	8	41
11	365	B	0	6.9	16.6	0.2	8	27
11	365	C	0	9.9	15.6	0.5	8	33
11	365	D	0	2.5	20.6	0.0	0	48
11	365	E	0	3.5	17.8	0.0	0	50
11	365	F	0	6.6	28.4	0.1	0	45
11	365	G	0	7.2	25.4	0.1	0	46
11	365	H	1	17.8	18.0	1.2	0	49
12	370	A	1	12.4	8.4	1.8	5	50
12	370	B	1	12.7	12.2	1.1	2	46
12	370	C	0	15.4	19.8	0.8	0	45
12	370	D	1	21.4	23.2	1.2	3	35
12	370	E	1	17.0	14.1	1.5	5	41
12	370	F	1	12.4	10.4	1.3	3	49
12	370	G	3	31.7	13.7	4.6	8	35
12	370	H	2	21.4	15.7	2.0	12	33
12	370	J	0	1.8	6.2	0.0	14	31
12	370	K	0	5.1	11.5	0.2	0	51
12	370	M	0	7.3	11.2	0.4	2	45
12	370	N	0	19.1	30.9	0.6	0	47
12	370	O	1	15.7	17.4	1.0	0	48
12	370	P	1	24.3	26.9	1.2	0	44
12	370	Q	1	25.4	29.2	1.1	0	37
12	370	R	0	18.3	25.6	0.8	0	48
12	370	S	0	5.4	7.0	0.5	9	47
12	370	T	0	4.0	6.5	0.3	9	46
12	370	U	0	7.0	19.1	0.2	0	35
12	370	V	0	11.3	15.2	0.7	0	54
12	370	W	1	14.3	14.4	1.1	0	54

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
12	370	X	0	9.1	28.4	0.2	0	43
12	370	Y	0	8.2	24.0	0.2	0	50
12	370	Z	0	6.8	20.1	0.1	0	44
12	370	AA	0	2.5	14.3	0.0	0	35
12	370	AB	0	-0.2	33.5	0.0	0	25
12	380	A	0	0.0	13.5	0.0	0	29
12	380	B	0	0.0	7.8	0.0	0	43
12	380	C	1	29.4	30.6	1.4	13	22
12	380	D	0	10.9	26.0	0.3	2	28
12	380	E	0	6.9	18.8	0.2	0	36
12	380	F	0	7.4	19.2	0.2	0	59
12	380	G	0	7.5	19.6	0.2	0	53
12	380	H	1	21.4	19.8	1.4	0	50
12	380	J	0	8.6	13.9	0.4	0	50
12	380	K	1	19.0	15.1	1.7	20	25
12	380	M	1	9.8	9.8	1.0	21	31
12	380	N	0	9.4	17.2	0.4	4	34
12	380	O	2	63.4	37.0	3.9	1	31
12	380	P	2	16.8	10.4	2.3	0	57
12	380	Q	3	46.6	22.1	4.6	0	46
12	380	R	3	62.1	27.8	5.4	0	45
12	380	S	3	56.6	29.6	4.3	0	46
12	380	T	0	-1.0	5.2	0.0	0	50
12	380	U	0	1.9	12.5	0.0	0	60
12	380	V	4	67.9	22.6	8.2	0	41
12	380	W	3	33.0	15.3	4.2	2	41
12	380	X	0	11.3	17.4	0.5	0	39
12	380	Y	1	29.1	23.7	1.9	0	40
12	380	Z	1	19.1	15.1	1.7	0	55
12	380	AA	0	15.0	22.5	0.6	0	44
12	380	AB	0	9.7	17.7	0.4	0	46
12	390	A	0	13.0	16.3	0.8	0	50
12	390	B	0	18.9	25.0	0.8	0	37
12	390	C	1	23.2	18.1	1.9	0	51
12	390	D	3	43.5	21.2	4.3	0	42
12	390	E	2	34.8	18.2	3.7	0	45
12	390	F	3	42.5	17.9	5.2	7	33
12	390	G	4	56.6	15.2	10.3	0	37
12	390	H	4	66.9	19.7	9.6	0	49
12	390	J	3	69.1	31.0	5.6	0	37
12	390	K	4	59.8	19.7	8.0	0	43
12	390	M	0	12.8	19.0	0.6	7	31
12	390	N	0	7.0	11.3	0.4	0	49

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
12	390	O	0	7.9	17.3	0.3	6	30
12	390	P	2	39.7	21.7	3.6	0	53
12	390	Q	3	48.8	24.0	4.4	0	43
12	390	R	3	41.1	14.9	6.3	0	52
12	390	S	2	19.5	9.8	3.2	0	68
12	390	T	2	40.3	21.2	3.8	0	43
12	390	U	0	6.9	16.4	0.2	0	36
12	390	V	0	6.0	6.1	0.8	11	51
12	390	W	0	9.1	26.7	0.2	0	29
12	390	X	0	26.6	38.5	0.9	0	43
12	390	Y	0	8.7	38.7	0.1	0	37
12	390	Z	0	7.6	41.0	0.0	0	41
12	390	AA	0	16.3	19.6	0.9	8	31
12	390	AB	0	11.8	16.1	0.7	7	34
12	390	AC	0	1.4	10.8	0.0	0	45
12	390	AD	0	-0.8	12.5	0.0	0	41
12	390	AE	0	2.9	14.5	0.0	0	31
12	400	A	0	10.3	16.3	0.5	8	32
12	400	B	0	9.2	19.9	0.3	0	39
12	400	C	0	-1.2	7.8	0.0	0	27
12	400	D	0	0.5	8.6	0.0	0	44
12	400	E	0	16.3	23.3	0.7	7	29
12	400	F	1	37.7	44.0	1.3	0	31
12	400	G	0	10.2	21.1	0.3	0	49
12	400	H	0	6.9	17.9	0.2	0	48
12	400	J	0	8.1	43.2	0.0	0	40
12	400	K	0	8.0	40.2	0.0	0	42
12	400	M	1	12.0	8.0	1.8	0	60
12	400	N	0	8.6	17.6	0.3	0	43
12	400	O	1	9.5	7.3	1.4	17	41
12	400	P	1	17.0	13.1	1.7	5	42
12	400	Q	1	17.3	17.1	1.2	0	46
12	400	R	0	2.1	10.7	0.0	0	55
12	400	S	0	2.5	16.0	0.0	0	45
12	400	T	2	41.0	29.8	2.5	0	36
12	400	U	4	126.3	41.4	10.0	0	39
12	400	V	2	62.1	35.9	3.9	0	38
12	400	W	0	15.3	21.9	0.7	0	44
12	400	X	2	59.1	43.4	2.8	0	41
12	400	Y	0	7.9	14.4	0.3	0	49
12	400	Z	0	14.0	23.6	0.5	0	49
12	410	A	0	15.5	28.8	0.5	0	39
12	410	B	0	15.3	24.6	0.6	0	41

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
12	410	C	1	23.0	20.4	1.6	0	50
12	410	D	1	21.5	19.5	1.5	0	43
12	410	E	1	28.5	22.9	1.9	0	45
12	410	F	1	24.3	23.2	1.5	4	34
12	410	G	0	12.1	19.6	0.5	3	34
12	410	H	0	13.1	17.4	0.7	8	32
12	410	J	2	30.6	19.8	2.7	12	29
12	410	K	2	37.6	25.0	2.7	7	31
12	410	M	3	61.7	24.2	6.4	0	47
12	410	N	3	54.1	25.8	4.8	0	44
12	410	O	0	5.6	12.7	0.2	0	48
12	410	P	1	18.9	14.1	1.9	5	41
12	410	Q	1	21.6	18.7	1.6	12	30
12	410	R	0	15.9	28.7	0.5	0	42
12	410	S	0	12.6	72.1	0.1	0	32
12	410	T	0	6.3	25.5	0.1	0	42
12	410	U	0	11.9	23.1	0.4	0	52
12	410	V	0	8.3	18.4	0.3	0	45
12	410	W	1	35.2	31.0	1.8	4	31
12	410	X	1	17.5	17.7	1.2	3	39
12	410	Y	0	0.4	5.1	0.0	0	56
12	410	Z	1	27.6	23.7	1.8	4	34
12	410	AA	2	24.2	16.6	2.3	0	48
12	410	AB	1	21.0	15.9	1.9	4	40
12	410	AC	0	11.6	22.3	0.4	4	31
12	420	A	0	9.7	14.6	0.5	0	46
12	420	B	0	14.7	19.9	0.7	6	32
12	420	C	2	19.9	11.3	2.7	0	56
12	420	D	2	20.1	13.4	2.2	9	37
12	420	E	0	11.9	16.4	0.7	0	44
12	420	F	0	7.4	26.1	0.1	6	22
12	420	G	0	20.3	42.6	0.4	2	24
12	420	H	2	39.7	31.8	2.2	0	40
12	420	J	0	10.0	45.4	0.1	0	36
12	420	K	0	10.6	45.5	0.1	0	42
12	420	M	0	15.0	19.2	0.8	0	55
14	421	A	0	6.9	19.3	0.2	0	38
14	421	B	0	-0.9	21.7	0.0	0	15
14	421	C	0	5.0	13.0	0.1	0	57
14	421	D	0	2.1	9.3	0.0	0	50
14	421	E	0	3.6	13.4	0.0	0	38
14	421	F	0	3.6	10.7	0.1	0	42
14	421	G	2	15.3	9.3	2.3	13	40

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
14	421	H	3	51.9	27.0	4.2	3	33
14	421	J	3	74.6	35.7	5.2	0	34
14	421	K	0	11.6	12.7	0.9	13	34
14	421	M	1	17.2	14.9	1.5	6	39
14	421	N	1	13.8	14.1	1.1	13	32
14	421	O	0	12.7	14.1	0.9	0	59
16	422	A	0	6.9	13.0	0.3	0	64
16	422	B	1	12.6	10.1	1.4	0	52
16	422	C	0	9.8	12.1	0.7	1	45
16	422	D	0	9.3	10.2	0.8	0	51
16	422	E	2	28.3	18.8	2.5	12	29
16	422	F	3	42.5	19.7	4.6	1	38
16	422	G	4	72.2	19.5	10.9	0	35
16	422	H	3	80.6	30.9	7.2	3	29
16	422	J	1	15.4	14.9	1.2	14	31
16	422	K	0	10.4	16.9	0.5	11	29
16	422	M	0	5.3	7.1	0.5	37	18
16	422	N	6	63.2	6.7	36.5	0	41
16	422	O	5	93.5	14.8	23.8	0	37
20	423	A	1	27.3	32.0	1.1	0	37
20	423	B	0	11.6	13.4	0.8	5	40
13	430	A	1	14.9	16.2	1.0	4	39
13	430	B	1	19.8	20.1	1.2	7	33
13	430	C	0	6.8	9.3	0.5	0	55
13	430	D	1	16.7	16.2	1.2	0	43
13	430	E	1	11.9	10.2	1.3	0	58
13	430	F	1	10.2	10.3	1.0	0	54
13	430	G	0	-2.2	8.4	0.0	0	32
13	430	H	0	-0.4	9.6	0.0	0	28
13	430	J	0	19.6	34.2	0.6	2	28
13	430	K	0	22.5	40.1	0.6	0	30
13	430	M	0	0.7	19.9	0.0	0	19
13	430	N	1	46.3	45.8	1.7	0	36
13	430	O	0	5.9	15.0	0.2	0	62
13	430	P	0	6.5	21.0	0.1	0	56
13	430	Q	0	17.1	25.9	0.7	0	49
13	430	R	0	10.2	13.2	0.7	0	49
15	431	A	1	23.8	19.2	1.8	12	29
15	431	B	4	83.7	29.4	8.1	9	23
15	431	C	4	77.2	22.5	10.1	8	26
15	431	D	2	17.9	12.3	2.0	17	31

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
15	433	A	2	25.5	14.1	3.1	0	48
15	433	B	2	26.8	15.5	3.0	0	56
15	433	C	2	41.7	32.3	2.3	0	45
15	433	D	3	79.4	34.5	6.1	0	42
15	433	E	3	85.8	33.5	7.1	2	29
15	433	F	4	87.5	27.6	9.4	0	38
15	433	G	4	94.1	33.0	8.4	1	30
15	433	H	0	19.2	31.5	0.6	0	46
15	433	J	0	19.0	33.5	0.6	0	41
15	433	K	0	1.2	6.4	0.0	12	27
15	433	M	0	6.0	16.4	0.1	0	37
16	434	A	5	222.7	38.0	27.3	0	25
16	434	B	6	137.1	10.6	69.1	0	33
16	434	C	1	4.8	3.9	1.0	16	57
16	434	D	2	6.1	2.5	2.8	0	84
16	434	E	3	14.6	5.6	4.2	0	62
16	434	F	1	12.3	8.5	1.8	10	44
16	434	G	0	7.8	9.0	0.7	0	52
16	434	H	0	12.4	13.9	0.9	5	40
16	434	J	1	21.4	19.9	1.4	0	42
16	434	K	1	12.8	12.5	1.1	5	43
13	440	A	0	15.4	20.0	0.8	0	46
13	440	B	0	4.4	7.4	0.3	6	46
13	440	C	1	19.0	20.3	1.1	0	43
13	440	D	0	14.8	17.2	0.9	2	40
13	440	E	0	13.9	17.8	0.8	10	31
13	440	F	0	14.3	18.8	0.8	10	30
13	440	G	0	1.5	6.2	0.0	0	55
15	442	A	0	7.0	6.4	0.9	0	66
15	442	B	0	3.1	6.5	0.2	19	33
15	442	C	0	2.2	7.1	0.0	11	34
15	442	D	0	0.6	4.7	0.0	8	30
15	442	E	0	0.9	5.2	0.0	0	51
15	442	F	3	71.4	25.7	7.5	0	44
15	442	G	4	57.4	12.3	13.9	0	47
15	442	H	5	40.6	6.5	18.6	0	62
15	442	J	3	30.0	11.0	5.6	0	66
15	442	K	2	24.1	13.2	3.1	0	46
15	442	M	2	11.1	5.0	3.1	3	59
15	442	N	1	10.7	7.9	1.5	21	36
15	442	O	3	18.2	6.4	5.1	24	31

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
15	442	P	3	29.9	12.3	4.8	17	27
15	442	Q	2	22.0	15.8	2.1	10	34
15	442	R	2	21.6	14.7	2.2	13	32
20	443	A	0	2.5	11.3	0.0	0	56
20	443	B	0	6.7	9.2	0.5	0	62
20	443	C	0	6.6	7.0	0.7	11	47
16	444	A	1	15.5	12.9	1.5	0	56
16	444	B	1	16.2	15.8	1.2	0	48
16	444	C	1	14.9	10.1	1.9	0	55
16	444	D	1	12.2	9.5	1.5	0	54
16	444	E	1	11.4	9.3	1.4	0	57
16	444	F	0	7.7	13.5	0.4	0	43
16	444	G	3	19.1	8.1	4.0	22	30
16	444	H	2	15.0	8.6	2.4	11	43
16	444	J	0	8.6	13.8	0.4	8	35
16	444	K	3	18.2	5.6	6.1	8	47
16	444	M	5	21.9	3.1	18.4	0	59
16	444	N	5	36.5	6.0	17.4	0	48
16	444	O	5	26.4	2.9	27.4	0	65
16	444	P	0	6.3	6.8	0.7	0	64
16	444	Q	0	5.5	7.1	0.5	0	67
13	450	A	0	4.5	11.8	0.1	9	30
13	450	B	0	7.3	10.6	0.5	0	47
13	450	C	0	11.4	19.3	0.5	2	35
13	450	D	0	7.7	15.1	0.3	0	41
15	451	A	3	17.9	5.4	6.2	24	31
15	451	B	1	13.5	10.5	1.5	22	29
15	451	C	2	21.6	11.7	3.0	0	52
15	451	D	3	103.0	54.3	5.1	0	32
15	451	E	3	132.3	64.8	6.0	1	24
15	451	F	3	133.5	75.8	5.0	0	25
15	451	G	4	129.3	38.4	11.4	0	34
15	451	H	3	96.0	46.7	5.5	0	31
15	451	J	0	4.8	19.1	0.1	0	29
15	451	K	0	3.3	6.9	0.2	10	41
15	451	M	0	-1.4	11.3	0.0	0	29
16	452	A	2	12.2	6.6	2.5	10	48
16	452	B	5	54.9	9.9	17.3	0	54
16	452	C	6	52.8	3.9	56.7	0	49
16	452	D	6	95.9	9.6	44.2	0	37

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
16	452	E	6	70.9	4.4	77.9	0	44
16	452	F	1	14.0	9.5	1.9	10	43
16	452	G	1	10.1	6.9	1.7	18	41
16	452	H	0	6.1	9.6	0.4	5	44
16	452	J	1	12.7	11.1	1.3	2	48
16	452	K	1	13.7	10.8	1.5	0	51
16	452	M	1	13.6	12.4	1.2	0	48
20	453	A	3	15.2	6.1	4.0	9	48
20	453	B	2	16.4	8.6	2.9	0	53
20	453	C	3	9.8	3.4	4.2	9	58
20	453	D	4	8.3	1.5	9.9	13	63
20	453	E	3	12.7	4.1	5.1	0	68
20	453	F	1	13.9	9.7	1.8	6	47
20	453	G	1	18.8	14.1	1.8	4	42
20	453	H	1	21.1	20.2	1.4	0	40
20	453	J	2	34.2	19.8	3.2	3	37
20	453	K	0	6.1	5.9	0.8	0	66
20	453	M	0	4.5	8.8	0.2	0	59
20	453	N	0	5.7	6.2	0.7	8	52
20	453	O	0	6.1	8.6	0.5	0	58
20	453	P	0	7.6	15.5	0.3	0	51
13	460	A	0	6.6	7.1	0.7	0	67
13	460	B	0	2.8	11.0	0.0	0	39
13	460	C	1	17.2	18.7	1.1	2	38
13	460	D	0	8.5	12.7	0.5	11	33
13	460	E	1	17.5	16.7	1.3	5	38
13	460	F	1	12.6	12.3	1.1	15	33
15	461	A	1	17.2	15.3	1.4	5	40
15	461	B	2	26.2	14.2	3.2	6	39
15	461	C	3	30.5	10.1	6.5	0	54
15	461	D	3	32.3	12.4	5.4	0	57
15	461	E	2	20.9	12.0	2.7	17	30
15	461	F	1	19.4	14.4	1.9	16	30
15	461	G	1	12.1	12.0	1.1	10	39
15	461	H	0	13.3	16.1	0.8	12	31
15	461	J	1	15.0	11.9	1.6	13	36
15	461	K	2	25.5	14.9	2.9	10	35
15	461	M	3	14.9	4.6	5.7	17	42
15	461	N	3	23.9	6.8	7.4	0	58
16	462	A	1	14.9	10.4	1.9	0	69
16	462	B	1	17.4	15.3	1.4	1	43

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
16	462	C	1	15.2	14.3	1.2	0	48
16	462	D	1	14.0	14.2	1.1	7	38
16	462	E	0	6.7	8.7	0.5	7	45
16	462	F	0	9.9	10.2	0.9	4	47
16	462	G	6	97.3	13.0	30.1	0	35
16	462	H	6	70.2	6.6	44.2	0	44
16	462	J	5	45.6	5.9	25.5	0	48
16	462	K	6	101.9	8.7	55.7	0	36
20	463	A	2	24.8	17.7	2.2	0	50
20	463	B	2	27.3	16.5	2.8	0	50
20	463	C	2	19.3	12.0	2.4	0	49
20	463	D	1	10.3	7.5	1.5	3	55
20	463	E	0	8.9	11.8	0.6	0	56
20	463	F	0	10.4	11.9	0.8	1	47
20	463	G	3	33.9	15.1	4.5	0	42
20	463	H	3	38.2	17.3	4.6	5	35
20	463	J	3	24.1	8.7	5.4	0	51
20	463	K	3	20.2	7.5	4.9	0	64
13	470	A	0	8.7	12.5	0.5	4	41
13	470	B	1	15.6	13.2	1.5	0	55
13	470	C	0	10.7	18.7	0.4	0	49
13	470	D	0	1.3	12.2	0.0	0	56
13	470	E	0	4.7	8.7	0.3	0	68
13	470	F	1	18.4	14.3	1.7	0	59
13	470	G	1	20.1	15.0	1.9	0	56
13	470	H	0	6.6	9.9	0.4	0	63
15	471	A	1	8.3	7.3	1.1	14	44
15	471	B	1	8.1	6.7	1.2	16	43
15	471	C	1	16.7	13.1	1.7	10	37
15	471	D	1	19.2	14.6	1.8	6	39
15	471	E	2	38.3	21.8	3.4	0	38
15	471	F	3	40.7	15.4	5.9	0	45
15	471	G	3	48.5	22.7	4.7	7	30
16	472	A	5	316.9	75.8	19.3	0	28
16	472	B	6	151.3	16.3	45.3	0	31
16	472	C	6	148.4	21.1	31.1	0	32
16	472	D	6	157.5	23.3	30.0	0	34
16	472	E	5	76.7	12.9	20.8	2	33
16	472	F	2	17.6	12.3	2.0	0	49
16	472	G	1	16.3	12.9	1.6	6	42
16	472	H	1	16.4	13.0	1.6	1	46

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
20	473	A	4	38.1	9.4	10.2	0	45
20	473	B	3	47.0	15.6	7.4	0	42
20	473	C	3	41.2	13.8	7.0	0	41
20	473	D	2	37.7	21.5	3.4	4	35
20	473	E	2	38.6	23.9	3.0	6	32
20	473	F	0	6.8	9.3	0.5	0	52
20	473	G	0	10.5	16.3	0.5	0	48
20	473	H	1	18.8	15.6	1.6	0	55
20	473	J	1	9.0	8.8	1.0	0	66
13	480	A	0	11.2	12.4	0.9	0	68
13	480	B	0	5.7	5.8	0.7	0	87
13	480	C	1	6.3	5.5	1.0	0	80
13	480	D	1	13.8	9.2	1.9	0	72
13	480	E	0	3.4	11.3	0.1	0	61
13	480	F	1	9.8	9.7	1.0	0	66
13	480	G	0	4.6	17.7	0.1	0	50
13	480	H	0	18.8	29.7	0.7	0	32
13	480	J	0	19.1	26.9	0.8	4	30
13	480	K	1	16.6	17.1	1.1	5	38
15	481	A	0	15.5	29.9	0.4	0	30
15	481	B	0	1.9	14.1	0.0	0	27
16	482	A	1	25.3	28.0	1.2	0	37
16	482	B	1	22.6	23.2	1.3	0	41
16	482	C	1	16.1	13.7	1.5	0	52
16	482	D	0	10.7	11.8	0.9	9	39
16	482	E	1	10.2	10.3	1.0	5	46
16	482	F	4	27.9	5.9	11.5	0	56
16	482	G	5	25.5	2.9	25.9	0	62
20	483	A	0	8.4	10.2	0.7	0	51
20	483	B	0	4.8	10.9	0.2	0	52
20	483	C	0	13.0	15.1	0.9	8	36
20	483	D	2	21.3	13.3	2.5	6	41
20	483	E	3	31.4	9.9	7.0	9	36
20	483	F	3	33.7	14.4	4.8	0	48
20	483	G	2	24.3	12.5	3.3	0	63
20	483	H	3	20.0	5.8	6.8	0	56
13	490	A	0	2.0	17.4	0.0	0	33
13	490	B	1	15.3	11.9	1.6	0	58
13	490	C	0	9.3	12.6	0.6	0	53

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
13	490	D	0	7.5	13.3	0.4	0	59
13	490	E	1	18.2	15.5	1.5	0	63
13	490	F	0	6.3	6.6	0.7	0	71
13	490	G	1	7.6	5.8	1.3	0	83
13	490	H	0	4.9	4.6	0.8	0	83
13	490	J	1	6.9	6.2	1.0	0	92
13	490	K	0	5.4	5.9	0.6	0	88
13	490	M	0	11.9	12.7	0.9	0	61
13	490	N	0	12.7	15.9	0.8	0	55
15	491	A	2	14.8	7.7	2.8	3	52
15	491	B	1	10.8	7.6	1.6	13	44
15	491	C	0	0.6	10.1	0.0	0	31
15	491	D	0	-0.8	5.4	0.0	0	49
16	492	A	6	55.1	5.2	41.1	1	39
16	492	B	5	75.1	11.5	23.4	0	39
16	492	C	3	27.8	12.7	4.1	13	32
16	492	D	1	20.0	17.0	1.6	10	33
16	492	E	0	31.8	53.9	0.7	0	29
16	492	F	0	47.5	92.2	0.7	0	26
16	492	G	1	20.7	22.8	1.1	0	45
20	493	A	2	9.4	5.6	2.0	0	66
20	493	B	2	9.6	5.7	2.0	0	75
20	493	C	1	13.8	13.3	1.2	4	42
20	493	D	2	17.4	11.1	2.2	3	47
20	493	E	1	5.9	4.8	1.0	11	56
20	493	F	0	2.1	8.7	0.0	0	48
20	493	G	1	7.9	7.0	1.0	0	65
13	501	A	0	7.3	7.5	0.8	0	62
13	501	B	2	8.5	3.6	3.1	0	90
13	501	C	1	11.4	8.7	1.5	0	73
13	501	D	1	14.1	12.8	1.3	0	70
13	501	E	1	13.5	11.1	1.4	0	58
13	501	F	0	31.1	44.9	0.9	0	38
13	501	G	1	29.5	26.0	1.7	2	35
13	501	H	2	51.5	35.3	2.9	0	41
13	501	J	1	26.7	33.7	1.0	0	34
13	501	K	0	3.1	7.6	0.1	0	51
15	502	A	3	12.9	4.4	4.7	3	59
15	502	B	1	5.8	3.4	1.7	17	58
15	502	C	0	4.4	13.5	0.1	3	33

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
15	502	D	0	6.0	8.3	0.5	6	47
15	502	E	2	20.7	11.0	3.0	0	49
15	502	F	1	17.2	12.1	1.9	0	70
15	502	G	4	16.1	3.6	9.1	1	58
16	503	A	1	21.1	16.5	1.8	0	55
16	503	B	0	38.9	58.4	0.9	0	31
16	503	C	0	32.5	48.8	0.9	0	28
16	503	D	0	11.8	15.3	0.7	0	48
16	503	E	2	57.1	46.0	2.5	7	23
16	503	F	2	49.7	41.2	2.3	11	20
20	504	A	0	4.9	19.8	0.1	0	34
20	504	B	1	5.6	4.2	1.2	28	43
20	504	C	1	9.1	7.6	1.2	14	43
20	504	D	1	12.6	10.8	1.3	10	41
13	510	A	1	31.2	40.8	1.0	0	45
13	510	B	1	44.8	50.1	1.5	0	38
13	510	C	2	46.1	36.1	2.4	0	38
13	510	D	2	36.4	27.8	2.3	0	55
13	510	E	2	42.1	25.2	3.3	0	48
13	510	F	2	49.2	33.3	2.9	0	48
13	510	G	2	56.2	34.3	3.5	0	46
13	510	H	2	12.5	7.8	2.0	0	69
13	510	J	1	10.9	6.8	1.9	0	72
13	510	K	2	23.2	14.8	2.5	0	66
13	510	M	2	39.2	25.7	2.8	0	46
13	510	N	0	12.4	22.9	0.4	0	46
13	510	O	0	10.8	16.1	0.6	6	34
15	511	A	1	5.9	4.0	1.4	0	76
15	511	B	0	7.3	38.8	0.0	6	15
15	511	C	0	3.0	15.3	0.0	0	39
15	511	D	0	-1.8	13.8	0.0	0	36
15	511	E	0	-7.6	14.5	0.0	0	20
16	512	A	3	39.8	16.8	5.1	9	32
16	512	B	2	16.1	10.9	2.0	13	38
16	512	C	1	26.4	22.0	1.8	0	40
16	512	D	1	20.8	21.8	1.2	7	31
16	512	E	2	39.8	29.0	2.5	2	34
16	512	F	1	20.0	15.3	1.8	2	43
16	512	G	1	61.2	93.5	1.1	2	20
16	512	H	1	58.4	84.3	1.2	0	24

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
16	512	J	1	51.6	62.1	1.4	0	28
16	512	K	2	42.2	28.1	2.8	0	42
20	513	A	2	9.6	3.9	3.4	2	64
20	513	B	3	6.6	1.6	6.1	0	89
20	513	C	1	17.2	17.5	1.2	0	54
20	513	D	0	8.1	15.6	0.3	0	49
13	520	A	1	14.3	10.3	1.8	0	66
13	520	B	1	11.0	10.9	1.0	0	70
13	520	C	1	13.0	10.2	1.5	0	60
13	520	D	1	8.7	6.7	1.3	0	82
13	520	E	2	9.3	5.3	2.1	0	75
13	520	F	1	7.7	6.8	1.0	0	74
13	520	G	2	18.7	9.1	3.3	0	68
13	520	H	1	15.4	11.4	1.7	0	64
13	520	J	1	30.3	31.8	1.4	0	46
13	520	K	3	65.1	36.5	4.1	0	38
13	520	M	1	39.0	35.5	1.8	0	41
13	520	N	1	40.3	41.3	1.6	0	46
13	520	O	0	1.3	9.9	0.0	0	47
15	523	A	1	15.6	11.9	1.7	0	52
15	523	B	2	30.9	16.5	3.4	3	40
15	523	C	0	17.4	35.9	0.4	0	29
15	523	D	2	37.5	26.8	2.5	0	38
15	523	E	0	17.9	23.3	0.8	2	34
15	523	F	0	0.1	14.2	0.0	0	38
15	523	G	0	2.4	6.8	0.1	0	47
16	524	A	2	27.7	19.7	2.3	0	47
16	524	B	1	61.5	95.9	1.1	0	25
16	524	C	0	6.2	10.3	0.4	11	36
16	524	D	2	105.3	85.1	3.0	11	13
16	524	E	2	109.9	105.6	2.4	10	13
16	524	F	1	74.2	100.7	1.4	8	13
16	524	G	1	75.9	103.7	1.4	7	14
16	524	H	1	63.1	77.0	1.5	8	16
16	524	J	2	88.3	68.3	3.0	8	19
16	524	K	3	139.7	80.3	5.0	11	13
16	524	M	3	27.8	9.4	6.1	0	49
16	524	N	3	27.0	7.9	7.4	0	48
20	525	A	0	4.1	17.3	0.0	0	41
20	525	B	0	1.4	16.4	0.0	0	34

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
20	525	C	2	17.5	11.2	2.2	0	55
13	530	A	0	-1.2	9.6	0.0	0	43
13	530	B	1	20.7	25.1	1.0	2	34
13	530	C	2	31.0	21.3	2.5	0	46
13	530	D	2	39.2	31.3	2.2	0	45
13	530	E	3	46.2	19.5	5.3	0	46
13	530	F	3	52.3	17.2	7.7	0	45
13	530	G	3	50.2	19.3	6.2	0	46
13	530	H	3	34.8	15.4	4.6	0	60
13	530	J	2	18.2	10.0	2.8	0	65
13	530	K	1	7.3	5.3	1.3	2	62
13	530	M	2	15.0	7.3	3.1	0	62
13	530	N	0	10.1	16.8	0.5	0	52
13	530	O	2	18.2	12.3	2.1	0	51
13	530	P	0	7.7	13.5	0.4	0	62
13	530	Q	0	6.5	13.7	0.2	0	52
13	530	R	1	22.9	21.7	1.4	0	48
15	532	A	0	2.9	4.4	0.3	3	61
15	532	B	0	-0.7	5.6	0.0	0	55
15	532	C	0	-1.2	6.2	0.0	0	28
15	532	D	0	1.7	9.3	0.0	3	31
15	532	E	0	4.0	6.7	0.3	30	24
15	532	F	0	1.9	10.6	0.0	4	28
15	532	G	0	5.8	28.8	0.0	0	37
15	532	H	2	33.2	20.6	2.9	0	40
15	532	J	3	50.7	21.5	5.5	0	37
15	532	K	3	50.4	25.1	4.4	4	33
16	533	A	4	40.0	10.1	10.1	0	50
16	533	B	1	12.0	11.7	1.1	6	43
16	533	C	0	4.7	8.2	0.3	0	52
16	533	D	0	6.0	9.4	0.4	2	47
16	533	E	0	15.3	48.1	0.2	0	26
16	533	F	0	24.5	58.5	0.4	2	21
16	533	G	0	20.7	35.6	0.6	1	28
16	533	H	2	74.8	50.8	3.3	0	32
16	533	J	1	37.5	34.2	1.8	0	43
20	534	A	0	5.1	9.5	0.3	0	52
20	534	B	0	4.5	12.6	0.1	0	43
20	534	C	0	5.8	11.7	0.2	0	52
20	534	D	0	8.3	14.3	0.4	0	51
13	540	A	0	11.6	14.7	0.7	0	46

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
13	540	B	2	25.2	17.5	2.3	0	49
13	540	C	3	16.4	4.2	7.6	0	70
13	540	D	2	16.3	7.2	3.6	0	67
13	540	E	2	16.8	8.6	3.0	0	65
13	540	F	3	62.1	22.0	7.3	0	45
13	540	G	4	67.7	20.5	9.2	0	46
13	540	H	1	54.0	51.4	1.9	0	38
13	540	J	3	65.2	34.9	4.4	0	34
13	540	K	2	55.4	33.3	3.6	0	34
13	540	M	0	-0.5	11.9	0.0	0	39
15	541	A	0	3.9	9.4	0.1	1	43
15	541	B	2	16.1	9.3	2.5	0	57
15	541	C	1	17.2	13.2	1.7	0	55
15	541	D	0	9.2	10.3	0.8	21	29
15	541	E	0	3.9	8.3	0.2	13	35
15	541	F	0	0.7	7.3	0.0	0	44
16	542	A	0	7.4	6.9	0.9	0	74
16	542	B	1	21.5	20.7	1.4	0	47
16	542	C	0	22.6	38.4	0.6	3	26
16	542	D	0	26.1	48.7	0.6	3	23
16	542	E	0	17.8	38.9	0.4	0	29
16	542	F	0	21.5	59.1	0.3	13	9
16	542	G	0	24.6	43.5	0.6	15	12
16	542	H	0	15.3	43.4	0.2	5	19
16	542	J	2	53.1	39.8	2.6	15	17
16	542	K	0	-3.2	9.1	0.0	0	37
16	542	M	0	-2.1	11.3	0.0	0	43
16	542	N	2	15.8	10.6	2.0	5	45
16	542	O	2	17.1	8.3	3.2	2	51
16	542	P	1	20.5	16.1	1.8	0	45
16	542	Q	0	14.6	21.7	0.6	0	37
21	543	A	2	9.9	5.4	2.3	0	65
21	543	B	2	16.8	11.5	2.0	4	46
21	543	C	0	5.7	7.6	0.5	23	31
13	550	A	0	0.5	14.7	0.0	0	33
13	550	B	0	1.7	12.0	0.0	0	34
13	550	C	0	0.0	13.4	0.0	0	34
13	550	D	3	86.1	41.6	5.4	0	37
13	550	E	2	50.7	36.2	2.8	0	42
13	550	F	3	74.2	35.4	5.3	0	38
13	550	G	3	71.9	25.2	7.8	0	48

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
13	550	H	4	67.6	21.5	8.7	0	51
13	550	J	2	19.9	11.8	2.6	0	56
13	550	K	2	35.7	19.7	3.5	0	49
13	550	M	2	23.0	17.2	2.0	0	50
13	550	N	3	48.9	23.0	4.7	0	53
13	550	O	3	49.0	23.4	4.6	0	43
13	550	P	2	44.1	25.7	3.4	0	40
13	550	Q	2	31.7	25.7	2.0	9	29
13	550	R	1	22.8	26.3	1.1	0	47
16	551	A	5	12.1	1.6	17.0	0	71
16	551	B	0	-3.1	6.7	0.0	0	13
16	551	C	1	8.0	7.0	1.1	0	62
16	551	D	1	11.2	9.0	1.4	0	55
16	551	E	0	2.8	12.3	0.0	0	41
16	551	F	0	3.4	20.6	0.0	0	35
16	551	G	0	0.3	11.6	0.0	0	37
16	551	H	4	111.1	28.1	13.5	4	25
16	551	J	5	90.8	15.3	21.7	0	42
16	551	K	3	46.5	20.4	5.1	0	47
16	551	M	3	76.8	29.0	7.2	2	31
16	551	N	0	6.2	6.4	0.7	12	48
16	551	O	1	10.0	6.6	1.7	25	35
16	551	P	1	14.0	13.4	1.2	11	35
16	551	Q	0	32.2	98.5	0.3	5	12
16	551	R	0	44.4	116.7	0.5	6	11
16	551	S	0	51.7	103.4	0.7	5	15
16	551	T	1	26.1	21.0	1.9	0	41
16	551	U	2	23.7	17.3	2.1	0	52
16	551	V	2	25.0	13.2	3.3	0	59
21	552	A	0	5.7	7.3	0.5	0	57
13	560	A	0	4.8	5.7	0.5	0	69
13	560	B	1	13.0	11.3	1.3	2	48
13	560	C	0	3.6	12.1	0.1	0	54
13	560	D	0	3.5	7.0	0.2	0	53
13	560	E	0	4.4	12.8	0.1	0	48
13	560	F	0	15.3	29.3	0.4	0	38
13	560	G	1	31.9	43.7	1.0	0	36
13	560	H	2	41.3	30.5	2.5	0	45
13	560	J	2	31.8	18.2	3.2	0	57
13	560	K	2	36.8	21.0	3.3	0	49
13	560	M	2	25.9	13.4	3.4	0	58
13	560	N	2	20.5	11.6	2.8	0	62

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
13	560	O	1	15.4	12.9	1.5	0	59
13	560	P	3	54.3	20.1	6.7	0	57
13	560	Q	3	50.6	20.7	5.7	0	57
13	560	R	3	28.0	13.0	4.0	0	69
13	560	S	2	28.9	19.1	2.5	0	43
13	560	T	0	3.6	13.9	0.0	0	37
13	560	U	0	4.4	11.9	0.1	0	47
16	561	A	2	37.3	29.5	2.2	0	49
16	561	B	1	26.8	21.8	1.9	0	49
16	561	C	0	20.0	29.9	0.7	0	35
16	561	D	0	4.4	6.9	0.3	3	51
16	561	E	1	10.7	9.7	1.1	19	33
16	561	F	1	11.5	9.4	1.4	16	37
16	561	G	4	72.4	19.0	11.4	0	40
13	571	A	1	24.9	21.0	1.7	0	47
13	571	B	2	25.7	14.6	3.0	0	53
13	571	C	3	20.8	8.4	4.4	0	73
13	571	D	3	21.8	7.0	6.1	0	66
13	571	E	2	27.8	18.7	2.4	0	48
13	571	F	2	30.2	17.8	3.0	0	48
13	571	G	3	35.5	17.1	4.1	0	53
13	571	H	3	37.7	15.7	5.1	0	53
13	571	J	3	34.7	14.7	4.9	0	55
13	571	K	3	44.6	19.0	5.2	0	63
13	571	M	3	59.8	24.6	6.0	0	57
13	571	N	3	49.5	22.5	4.9	0	56
13	571	O	3	47.3	18.2	6.1	0	52
13	571	P	3	36.1	17.2	4.2	0	49
13	571	Q	1	6.2	4.3	1.3	9	61
16	572	A	0	6.6	10.3	0.4	4	43
16	572	B	3	21.7	7.7	5.3	0	54
16	572	C	4	27.5	5.8	11.5	0	57
16	572	D	0	13.3	19.1	0.6	18	21
16	572	E	0	8.9	18.0	0.3	10	27
16	572	F	0	9.1	10.7	0.7	14	35
16	572	G	0	19.0	49.9	0.3	4	20
16	572	H	0	24.8	44.4	0.6	3	25
16	572	J	1	21.2	16.5	1.8	0	52
16	572	K	1	18.2	17.1	1.3	0	64
16	581	A	1	14.0	11.8	1.4	0	68
16	581	B	1	43.0	43.0	1.7	0	33

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
16	581	C	1	14.3	15.6	1.0	0	45
16	581	D	0	12.3	15.6	0.7	0	46
16	581	E	5	24.9	3.8	17.3	4	47
16	581	F	4	60.2	16.6	10.1	2	34
16	581	G	0	7.0	11.3	0.4	2	44
16	581	H	0	4.6	6.5	0.4	3	54
16	581	J	0	2.9	9.1	0.1	2	39
21	582	A	1	7.5	5.3	1.4	18	47
22	583	A	4	22.1	4.5	11.3	0	55
22	583	B	4	22.0	4.4	11.6	0	54
22	583	C	4	15.1	2.7	12.0	0	71
22	583	D	4	19.1	3.2	14.1	0	62
22	583	E	3	21.4	8.2	4.8	0	51
22	583	F	5	16.8	2.1	20.2	0	72
22	583	G	4	20.4	4.2	10.9	0	64
22	583	H	4	19.0	4.4	9.1	0	63
22	583	J	1	39.3	42.0	1.5	15	16
22	583	K	0	9.2	13.3	0.5	25	18
22	583	M	0	2.9	3.0	0.5	11	68
16	590	A	0	4.8	5.5	0.6	21	41
16	590	B	0	9.9	15.2	0.5	2	40
16	590	C	0	10.1	13.9	0.6	3	40
16	590	D	3	58.4	24.4	5.8	1	34
16	590	E	3	38.6	17.4	4.6	8	32
16	590	F	0	8.4	18.2	0.3	0	45
16	590	G	1	30.8	31.8	1.4	0	38
16	590	H	1	16.5	17.7	1.1	0	62
22	591	A	2	13.7	6.6	3.0	7	51
22	591	B	2	14.0	7.8	2.5	8	47
22	591	C	1	8.4	7.4	1.1	3	55
22	591	D	1	7.4	5.0	1.5	11	55
22	591	E	1	6.7	4.3	1.6	15	55
22	591	F	4	6.9	1.4	8.0	0	103
22	591	G	3	15.9	4.8	6.0	0	66
22	591	H	3	19.1	4.9	7.9	3	52
22	591	J	2	16.0	7.4	3.4	0	64
22	591	K	2	11.0	6.4	2.1	0	60
22	591	M	1	9.6	7.6	1.3	4	53
16	600	A	1	21.5	22.0	1.3	0	49
16	600	B	1	18.6	21.1	1.0	0	49

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
16	600	C	1	18.6	18.5	1.2	0	43
16	600	D	0	14.0	19.5	0.7	0	52
16	600	E	0	12.4	21.5	0.5	0	51
16	600	F	0	3.8	19.3	0.0	2	25
16	600	G	0	4.6	15.9	0.1	0	40
16	600	H	0	-4.5	11.3	0.0	0	34
22	601	A	0	-1.6	4.9	0.0	0	65
22	601	B	0	5.2	8.4	0.3	0	58
22	601	C	0	8.8	14.8	0.4	0	48
22	601	D	0	4.2	6.3	0.3	0	76
22	601	E	0	8.1	10.1	0.6	0	55
22	601	F	1	12.3	12.6	1.0	0	48
22	601	G	3	52.1	24.7	4.8	6	30
22	601	H	0	8.3	14.0	0.4	0	49
22	601	J	0	5.9	7.1	0.6	3	54
22	601	K	1	8.0	7.3	1.0	2	56
17	610	A	0	6.5	10.7	0.4	0	52
17	610	B	0	6.8	9.2	0.5	3	48
17	610	C	4	141.4	35.2	14.7	0	29
17	610	D	5	265.1	57.0	21.1	1	21
17	610	E	2	63.1	52.2	2.4	9	20
17	610	F	1	19.7	22.7	1.0	0	48
17	610	G	1	16.2	12.6	1.7	0	65
17	610	H	1	12.8	11.7	1.2	0	68
22	611	A	0	6.6	6.1	0.9	0	71
22	611	B	1	6.7	5.6	1.1	0	67
22	611	C	3	15.3	4.7	5.8	0	65
22	611	D	4	13.3	2.8	9.3	0	68
22	611	E	3	15.8	3.9	7.9	0	73
22	611	F	2	16.9	10.9	2.2	0	53
22	611	G	0	9.7	9.9	0.9	0	59
22	611	H	2	17.1	9.8	2.6	0	57
22	611	J	1	16.8	19.5	1.0	0	40
22	611	K	1	10.2	9.1	1.1	0	58
22	611	M	1	4.4	3.4	1.0	16	60
22	611	N	2	9.3	4.2	2.9	5	62
22	611	O	2	10.1	4.3	3.2	9	56
22	611	P	2	10.9	4.7	3.2	4	59
17	620	A	1	19.4	20.2	1.2	0	51
17	620	B	1	22.9	26.8	1.1	0	46
17	620	C	1	23.7	19.6	1.7	0	57

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
17	620	D	1	11.5	11.4	1.0	0	73
17	620	E	3	15.7	4.6	6.2	0	60
17	620	F	0	5.6	9.3	0.3	13	36
17	620	G	0	1.3	6.2	0.0	0	54
29	622	A	0	7.0	11.4	0.4	0	51
29	622	B	2	20.1	12.5	2.4	0	52
29	622	C	1	14.8	10.8	1.7	0	57
29	622	D	3	22.5	9.4	4.3	0	52
29	622	E	2	31.1	23.8	2.1	7	32
29	622	F	0	13.0	15.4	0.8	1	42
29	622	G	0	5.5	8.6	0.4	9	42
18	630	A	0	2.5	5.6	0.1	10	44
18	630	B	0	3.0	6.0	0.2	16	38
18	630	C	4	23.5	5.5	9.5	9	43
19	631	A	0	32.8	47.5	0.9	0	28
19	631	B	1	25.0	19.4	1.9	0	48
19	631	C	0	9.6	11.3	0.7	0	62
29	633	A	0	6.6	6.7	0.8	0	71
29	633	B	1	7.4	5.7	1.2	0	75
29	633	C	2	15.1	9.7	2.1	1	51
29	633	D	0	7.2	10.2	0.5	0	53
19	641	A	0	12.1	18.4	0.6	12	26
19	641	B	2	19.7	14.2	2.0	0	56
19	641	C	1	17.1	18.1	1.1	5	36
29	644	A	0	2.9	2.2	0.9	43	45
29	644	B	2	9.8	4.5	2.9	3	62
29	644	C	0	6.0	6.4	0.7	0	70
29	644	D	1	8.1	7.0	1.1	0	65
29	644	E	2	30.1	22.4	2.2	0	40
29	644	F	2	29.1	18.3	2.7	0	46
29	644	G	1	21.1	18.7	1.5	0	45
29	644	H	0	4.4	8.2	0.2	19	30
18	645	A	4	15.3	3.5	8.6	2	58
18	645	B	0	6.1	5.4	0.9	24	41
18	645	C	0	3.0	5.2	0.2	21	38
18	650	A	0	12.1	18.1	0.6	0	43
18	650	B	0	12.0	19.4	0.5	0	39

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
18	650	C	5	55.5	10.8	15.6	10	29
18	650	D	5	76.3	10.4	27.4	5	30
18	650	E	6	52.2	4.8	42.0	3	38
19	651	A	0	18.8	24.9	0.8	0	42
19	651	B	1	16.9	19.8	1.0	0	47
19	651	C	2	15.0	9.9	2.0	0	63
19	651	D	0	12.5	17.4	0.7	0	51
29	654	A	0	8.9	9.6	0.8	0	61
29	654	B	0	7.2	6.9	0.9	0	71
29	654	C	0	7.6	10.9	0.5	0	48
29	654	D	2	14.9	9.5	2.1	0	58
19	661	A	0	9.8	12.0	0.7	0	49
19	661	B	1	15.2	13.9	1.3	0	47
19	661	C	0	23.9	40.1	0.7	2	26
19	661	D	0	26.3	42.2	0.7	0	35
29	663	A	0	2.9	3.4	0.4	22	52
29	663	B	2	22.9	15.3	2.3	7	37
29	663	C	0	8.3	8.9	0.8	0	55
29	663	D	0	0.9	8.2	0.0	0	50
18	670	A	0	10.8	15.3	0.6	5	37
18	670	B	3	43.6	14.7	7.0	2	38
18	670	C	4	52.8	11.4	13.4	0	40
18	670	D	5	31.0	4.8	18.0	1	47
18	670	E	4	29.4	6.3	11.5	6	42
19	671	A	1	8.0	5.3	1.6	15	49
19	671	B	0	7.6	8.8	0.7	0	67
29	673	A	1	4.0	2.6	1.2	0	103
29	673	B	0	8.1	12.1	0.5	3	42
29	673	C	1	8.3	6.6	1.2	9	52
29	673	D	1	8.4	6.8	1.2	5	55
29	673	E	3	22.3	8.7	4.7	12	38
29	673	F	3	8.8	3.0	4.2	21	49
29	673	G	2	6.0	2.5	2.8	40	39
18	680	A	6	23.1	2.1	34.1	3	51
18	680	B	5	42.7	7.4	17.0	0	48
18	680	C	0	3.7	10.2	0.1	0	46
19	681	A	1	10.6	7.2	1.7	19	39

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
19	681	B	2	15.4	7.7	3.0	15	40
29	683	A	0	3.4	3.2	0.7	24	53
29	683	B	0	5.5	5.9	0.7	0	66
29	683	C	0	8.7	9.2	0.8	0	60
29	683	D	0	5.4	10.7	0.2	0	54
18	690	A	1	23.4	21.9	1.5	8	31
18	690	B	6	93.5	12.4	30.1	0	36
18	690	C	6	96.8	4.7	118.9	1	32
18	690	D	6	171.0	5.7	236.2	0	27
18	690	E	4	11.8	2.1	11.3	18	49
18	690	F	2	7.1	3.1	2.7	23	51
18	690	G	0	9.8	11.0	0.8	0	51
18	690	H	2	16.2	7.9	3.1	28	26
18	690	J	5	18.6	2.4	19.9	23	35
29	693	A	0	9.6	11.8	0.7	7	41
29	693	B	0	7.5	7.6	0.8	5	52
29	693	C	2	11.7	7.2	2.0	3	55
18	700	A	0	3.7	-2.3	0.0	0	48
18	700	B	0	-1.9	4.1	0.0	0	45
18	700	C	0	-1.2	1.8	0.0	0	40
18	700	D	0	35.2	-2.7	0.0	0	51
18	700	E	6	35.0	3.3	36.4	10	37
18	700	F	3	14.0	3.8	6.7	19	42
18	700	G	1	10.4	6.9	1.8	18	41
29	702	A	0	2.5	2.3	0.6	33	53
29	702	B	0	4.0	6.9	0.3	0	58
19	710	A	0	3.5	12.4	0.1	0	36
19	710	B	0	3.4	12.3	0.0	2	34
19	710	C	2	15.1	7.5	3.0	24	31
19	710	D	3	26.2	11.1	4.4	17	30
19	710	E	5	29.6	5.0	15.8	13	36
19	710	F	4	28.2	5.2	13.9	2	47
19	710	G	1	14.0	12.0	1.4	3	46
19	710	H	1	15.6	15.5	1.2	15	29
19	710	J	1	15.1	12.9	1.4	19	29
19	710	K	0	16.8	31.4	0.5	16	15
19	710	M	1	20.1	15.6	1.8	3	41
19	710	N	1	12.7	10.8	1.3	18	32
19	710	O	2	5.7	2.3	2.8	48	32

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
27	711	A	1	5.6	4.1	1.2	28	43
27	711	B	2	17.7	10.5	2.5	6	44
27	711	C	1	7.9	6.6	1.1	21	40
27	711	D	0	9.7	15.3	0.5	0	46
19	720	A	1	8.3	5.6	1.6	4	60
19	720	B	2	8.4	4.5	2.2	24	43
19	720	C	0	2.6	14.7	0.0	0	36
19	720	D	0	7.4	12.1	0.4	11	33
19	720	E	0	4.3	11.1	0.1	9	32
19	720	F	0	4.1	11.7	0.1	0	42
19	720	G	0	13.2	16.3	0.8	0	43
19	720	H	1	18.6	17.5	1.3	0	54
19	720	J	0	0.4	3.0	0.0	10	36
19	720	K	0	2.6	5.4	0.1	5	50
19	720	M	0	7.8	8.4	0.8	7	47
19	720	N	2	7.2	2.9	3.1	19	55
19	720	O	3	13.1	3.1	7.9	2	61
19	720	P	0	4.9	8.8	0.3	5	44
19	720	Q	3	16.4	6.2	4.5	13	43
19	720	R	0	-0.1	2.1	0.0	0	50
27	722	A	0	-1.1	8.8	0.0	0	41
27	722	B	1	7.5	4.6	1.7	36	31
27	722	C	0	3.2	0.8	4.6	41	62
19	730	A	0	3.3	10.4	0.1	6	33
19	730	B	1	9.0	5.5	1.9	18	46
19	730	C	4	18.2	4.6	8.0	10	46
19	730	D	4	25.2	4.6	13.6	10	41
19	730	E	2	5.6	2.8	2.1	31	47
19	730	F	2	23.8	12.1	3.4	12	35
19	730	G	2	24.9	14.2	2.9	12	33
19	730	H	2	13.2	7.6	2.3	12	44
19	730	J	3	68.6	30.7	5.6	8	25
19	730	K	3	70.3	32.6	5.4	12	21
19	730	M	2	47.9	32.7	2.9	15	19
19	730	N	2	45.4	33.4	2.6	13	21
19	730	O	2	47.0	30.1	3.1	7	28
19	730	P	3	59.5	31.1	4.4	2	31
19	730	Q	0	10.5	17.6	0.5	0	46
19	730	R	0	10.9	16.8	0.5	0	43
19	730	S	0	2.8	11.7	0.0	3	31
19	730	T	0	-2.6	16.7	0.0	0	32

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
19	730	U	0	0.1	11.8	0.0	0	35
27	731	A	3	5.5	1.2	6.7	18	68
27	731	B	2	5.7	2.0	3.5	8	73
27	731	C	0	6.6	8.9	0.5	4	47
19	740	A	2	13.7	6.8	2.9	8	49
19	740	B	2	20.2	12.3	2.5	1	47
19	740	C	3	14.2	4.9	4.8	7	52
19	740	D	5	9.7	1.1	19.7	27	45
19	740	E	2	8.7	4.0	2.7	25	43
19	740	F	0	6.0	8.5	0.5	19	33
19	740	G	0	9.5	17.0	0.4	0	40
19	740	H	0	10.6	15.5	0.6	0	46
19	740	J	0	8.0	14.9	0.3	0	42
19	740	K	0	3.2	12.0	0.0	3	33
19	740	M	1	20.2	15.7	1.8	11	33
19	740	N	1	13.8	9.3	1.9	15	38
19	740	O	1	7.9	4.8	1.8	21	46
19	740	P	1	6.9	6.0	1.0	4	58
19	740	Q	1	4.0	2.4	1.4	34	51
19	740	R	2	16.1	9.6	2.4	12	40
19	740	S	2	17.2	9.3	2.8	9	43
19	740	T	2	8.8	3.5	3.4	32	37
19	740	U	4	25.6	5.1	12.1	5	46
19	740	V	2	15.0	6.4	3.7	27	30
19	740	W	4	8.7	1.5	10.7	5	70
19	740	X	2	4.8	2.1	2.4	27	57
19	740	Y	2	10.5	6.2	2.1	0	81
27	741	A	0	4.5	-3.7	0.0	0	99
27	741	B	0	5.3	-0.7	0.0	0	93
19	750	A	2	13.1	5.7	3.4	10	50
19	750	B	1	12.7	9.6	1.6	21	32
19	750	C	0	7.1	12.1	0.4	15	29
19	750	D	1	16.6	12.9	1.7	18	29
19	750	E	3	26.5	11.2	4.5	4	43
19	750	F	4	40.5	8.1	13.8	8	35
19	750	G	4	39.4	7.6	14.4	11	32
19	750	H	4	60.6	19.5	8.3	5	31
19	750	J	3	58.7	23.0	6.3	11	24
19	750	K	1	9.3	8.4	1.1	19	36
19	750	M	3	8.0	2.5	4.6	49	24
19	750	N	0	9.0	10.1	0.8	14	37

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
19	750	O	0	2.9	20.4	0.0	0	26
19	750	P	0	5.4	9.4	0.3	6	41
19	750	Q	0	10.0	14.9	0.5	0	42
19	750	R	4	80.6	19.6	13.0	8	25
19	750	S	4	110.0	27.1	13.9	9	20
19	750	T	4	56.0	13.9	11.4	18	20
19	750	U	3	29.0	8.5	7.5	0	52
19	750	V	5	58.1	11.6	15.3	0	46
19	750	W	5	67.1	12.9	16.8	3	33
27	751	A	0	2.6	2.6	0.5	11	72
27	751	B	0	6.3	5.8	0.9	14	48
27	751	C	1	4.9	3.5	1.2	3	72
19	760	A	5	90.1	15.4	21.3	0	35
19	760	B	5	69.6	10.7	22.8	0	39
19	760	C	5	46.6	6.7	22.3	0	56
19	760	D	4	55.6	12.5	12.9	2	36
19	760	E	4	68.7	16.4	12.7	2	34
19	760	F	4	39.8	10.3	9.7	6	37
19	760	G	0	6.0	11.0	0.3	0	47
19	760	H	0	2.2	8.1	0.0	0	45
19	760	J	0	-0.9	1.5	0.0	0	42
19	760	K	4	79.9	26.7	8.5	3	30
19	760	M	4	76.6	22.8	9.8	0	34
19	760	N	3	17.5	4.5	7.7	10	47
19	760	O	3	20.1	5.2	7.9	0	54
19	760	P	3	25.6	7.6	7.1	0	49
19	760	Q	1	9.9	9.9	1.0	12	40
19	760	R	0	-0.5	4.7	0.0	0	46
28	761	A	0	12.6	14.6	0.9	5	40
28	761	B	1	14.5	15.3	1.0	8	36
28	761	C	1	12.8	9.3	1.7	12	41
28	761	D	0	9.8	24.6	0.2	0	36
28	761	E	2	9.8	4.3	3.1	21	45
28	761	F	4	11.8	1.9	12.9	17	50
28	761	G	4	23.6	4.3	13.4	20	32
28	770	A	4	73.0	20.5	10.4	8	26
28	770	B	5	46.5	7.8	18.1	0	44
28	770	C	5	82.1	17.2	15.8	4	29
28	770	D	1	6.6	5.3	1.1	7	58
28	770	E	0	4.3	8.7	0.2	15	33
28	770	F	0	3.7	13.2	0.1	2	33

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	AMPLITUDE (PPM) QUAD.	CONDUCTOR CTP MHOS	CONDUCTOR DEPTH MTRS	BIRD HEIGHT MTRS
28	770	G	0	4.0	7.0	0.3	10	43
28	770	H	0	3.1	4.6	0.3	15	49
28	770	J	2	21.3	10.3	3.5	4	45
28	770	K	3	30.9	13.9	4.3	2	42
28	770	M	4	81.1	26.8	8.7	8	25
28	770	N	3	83.4	31.8	7.3	8	24
28	770	O	4	93.8	32.9	8.4	10	21
28	770	P	3	60.1	24.6	6.0	10	25
28	770	Q	5	29.1	4.4	18.3	0	51
28	770	R	5	44.7	7.6	17.6	0	43
28	770	S	4	54.0	11.5	13.8	1	38
28	770	T	5	25.7	3.8	18.2	0	55
28	770	U	1	9.9	6.8	1.6	9	51
28	770	V	0	3.2	0.6	7.0	24	80
28	770	W	0	3.8	0.5	12.2	48	52
28	770	X	4	22.2	4.6	11.0	17	36
28	770	Y	3	15.4	3.9	7.5	24	35
28	770	Z	5	18.1	2.0	24.4	1	57
28	770	AA	5	15.0	1.6	24.3	0	63
28	770	AB	3	33.8	10.9	6.9	6	38
28	770	AC	3	27.6	9.9	5.6	0	48
28	770	AD	4	29.6	7.4	9.3	0	50
28	770	AE	3	20.5	6.5	6.1	10	43
28	770	AF	3	21.2	5.6	7.9	11	42
28	771	A	1	4.9	2.5	1.9	5	76
28	771	B	1	5.3	3.0	1.7	16	61
28	771	C	1	3.3	1.7	1.6	4	89
28	780	A	1	10.7	8.4	1.4	3	52
28	780	B	1	9.6	7.1	1.5	18	41
28	780	C	0	13.2	14.7	0.9	8	37
28	780	D	1	13.6	9.8	1.7	12	40
28	780	E	0	2.8	4.5	0.2	0	86
28	780	F	0	-2.0	5.5	0.0	0	45
28	780	G	1	13.4	11.9	1.3	2	47
28	780	H	1	14.4	10.8	1.7	0	51
28	780	J	0	6.6	8.1	0.6	11	43
28	780	K	0	5.3	7.3	0.4	0	55
28	780	M	1	8.1	6.1	1.3	0	66
28	780	N	1	9.9	9.1	1.1	0	54
28	780	O	1	13.0	9.4	1.7	0	60
28	780	P	2	17.7	7.5	3.9	0	61
28	780	Q	3	19.8	7.2	5.0	1	52
28	780	R	0	5.7	9.4	0.3	0	50

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
28	780	S	0	8.4	10.6	0.6	1	48
28	780	T	0	12.5	13.8	0.9	10	35
28	780	U	0	7.8	10.2	0.6	12	37
28	780	V	3	28.2	10.8	5.2	0	49
28	780	W	4	46.8	11.9	10.5	1	39
28	780	X	4	43.5	10.2	11.4	0	46
28	780	Y	4	33.6	7.8	10.7	0	56
28	780	Z	3	30.1	14.4	4.0	6	38
28	780	AA	2	32.9	19.9	3.0	11	29
28	780	AB	2	33.1	21.6	2.7	18	21
28	780	AC	2	29.7	17.3	3.0	15	27
28	780	AD	3	108.9	54.5	5.5	8	19
28	780	AE	3	67.0	33.5	4.8	3	29
28	780	AF	3	187.9	81.2	7.8	0	23
28	780	AG	4	64.6	16.0	11.9	12	24
28	780	AH	4	98.8	24.0	13.7	11	20
28	780	AJ	5	88.5	15.3	20.8	0	42
28	780	AK	5	57.9	8.7	22.3	3	35
28	780	AM	5	50.4	6.4	26.9	0	52
28	780	AN	5	42.1	5.8	23.0	0	62
28	780	AO	5	86.6	16.1	18.8	0	33
28	780	AP	4	46.8	10.5	12.3	0	41
28	790	A	6	17.1	1.3	40.0	0	77
28	790	B	5	22.4	2.9	20.9	4	50
28	790	C	4	25.8	5.2	12.0	4	46
28	790	D	5	20.3	2.6	20.6	0	66
28	790	E	4	15.2	2.5	13.5	9	52
28	790	F	6	35.1	2.8	45.7	0	46
28	790	G	6	33.6	1.5	99.7	0	51
28	790	H	4	30.3	5.9	13.2	2	45
28	790	J	5	16.5	2.1	19.6	5	55
28	790	K	1	5.5	4.3	1.1	14	56
28	790	M	1	5.3	3.4	1.4	2	73
28	790	N	1	7.4	5.1	1.5	0	73
28	790	O	0	0.7	4.3	0.0	0	53
28	790	P	4	11.0	2.2	9.4	0	85
28	790	Q	4	15.0	2.4	14.0	0	76
28	790	R	5	15.2	1.5	27.1	0	84
28	790	S	1	6.6	4.9	1.2	23	44
28	790	T	1	10.9	9.1	1.3	16	38
28	790	U	0	6.0	7.4	0.6	16	40
28	800	A	0	4.8	4.2	0.9	19	52
28	800	B	2	4.3	1.5	3.2	43	47

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
28	800	C	0	6.9	14.8	0.2	1	38
28	800	D	0	7.0	10.2	0.5	0	49
28	800	E	2	5.1	1.8	3.3	22	63
28	800	F	0	4.6	-0.5	0.0	0	64
28	800	G	0	5.3	-1.9	0.0	0	101
28	800	H	0	7.0	0.8	17.8	0	95
28	800	J	0	2.1	7.4	0.0	0	43
28	800	K	2	7.3	3.4	2.5	30	42
28	800	M	2	12.2	7.7	2.0	24	32
28	800	N	1	11.8	8.2	1.7	17	39
28	800	O	2	8.2	4.3	2.2	28	40
28	800	P	0	3.2	7.7	0.1	5	42
28	800	Q	1	8.7	6.6	1.4	3	57
28	800	R	0	6.9	7.5	0.7	16	41
28	800	S	0	4.9	5.5	0.6	24	38
28	800	T	2	13.8	7.6	2.5	12	44
28	800	U	3	24.1	8.3	5.7	10	39
28	800	V	4	25.3	5.8	10.0	1	50
28	800	W	4	21.2	3.8	13.3	8	46
28	800	X	3	39.6	14.6	6.1	9	32
28	800	Y	2	20.0	9.1	3.7	0	53
28	800	Z	3	40.3	15.7	5.7	0	42
28	800	AA	4	46.0	11.4	10.8	0	48
28	800	AB	3	45.7	14.3	7.9	0	46
28	800	AC	3	54.9	20.2	6.7	10	27
28	800	AD	3	39.4	12.2	7.7	3	39
28	800	AE	4	76.6	18.2	13.2	1	33
28	800	AF	4	48.0	10.4	13.0	0	46
28	800	AG	4	58.3	14.6	11.4	0	43
28	800	AH	4	57.7	17.3	8.9	0	37
28	810	A	4	24.2	4.4	13.5	0	60
28	810	B	4	26.3	5.7	10.9	0	58
28	810	C	4	63.8	17.4	10.4	1	35
28	810	D	4	48.3	13.2	9.6	0	39
28	810	E	3	13.8	4.4	5.3	11	50
28	810	F	1	3.8	2.7	1.1	44	38
28	810	G	0	4.0	3.2	0.9	3	74
28	810	H	3	6.6	2.0	4.5	8	71
28	810	J	0	2.7	2.0	0.9	24	67
28	810	K	0	0.8	5.8	0.0	0	55
28	810	M	0	9.8	15.0	0.5	0	43
28	810	N	3	17.2	5.9	5.2	9	47
28	810	O	2	10.0	5.7	2.1	29	33
28	810	P	1	15.6	13.1	1.5	8	39

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
28	810	Q	1	7.3	4.8	1.5	15	52
28	810	R	2	11.5	5.0	3.3	26	37
28	810	S	3	13.8	4.7	4.9	6	54
28	810	T	2	10.4	5.0	2.7	20	43
28	810	U	0	3.7	3.0	0.9	0	84
28	810	V	2	4.4	1.7	2.8	10	78
28	810	W	0	5.4	5.9	0.6	0	61
29	820	A	4	10.8	1.6	14.1	0	78
29	820	B	4	12.7	2.4	10.6	0	75
29	820	C	5	14.9	1.4	28.8	0	72
29	820	D	4	38.6	8.8	11.4	4	39
29	820	E	4	44.9	9.4	13.4	3	39
29	820	F	4	39.2	8.2	12.9	0	43
29	820	G	3	7.4	2.4	4.2	7	69
29	820	H	2	4.2	1.7	2.5	51	39
29	820	J	3	13.4	3.5	6.9	0	72
29	820	K	3	15.1	5.7	4.3	0	62
29	820	M	3	17.9	6.5	4.8	0	68
29	820	N	3	18.1	6.0	5.5	0	55
29	820	O	1	5.8	3.1	1.9	18	58
29	820	P	1	5.9	4.3	1.2	16	54
29	820	Q	1	22.4	21.4	1.4	2	38
29	820	R	2	28.0	19.6	2.3	1	40
29	820	S	1	26.9	22.8	1.8	0	40
29	820	T	1	6.8	5.9	1.0	16	47
29	820	U	4	29.0	6.4	11.0	0	50
29	820	V	4	35.2	8.6	10.1	0	48
29	820	W	2	13.1	7.2	2.5	8	49
29	820	X	2	13.1	8.4	2.0	0	57
29	820	Y	2	12.1	7.7	2.0	0	62
29	820	Z	1	12.8	12.3	1.1	2	46
29	820	AA	2	29.3	15.1	3.5	0	50
29	820	AB	2	30.1	18.9	2.7	14	27
29	820	AC	2	25.4	14.5	2.9	17	27
29	820	AD	2	13.3	6.9	2.7	0	62
29	820	AE	1	13.8	11.4	1.4	0	56
29	820	AF	0	6.4	9.7	0.4	11	38
29	820	AG	1	4.6	3.3	1.1	0	77
29	820	AH	2	6.5	3.3	2.1	0	91
27	831	A	2	36.5	21.8	3.1	1	38
27	831	B	3	31.2	13.0	4.8	0	46
27	831	C	4	31.2	6.3	12.6	0	55
27	831	D	4	60.2	12.5	14.7	13	24

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
27	831	E	4	50.2	10.0	14.7	0	41
27	831	F	4	44.0	9.8	12.2	2	39
27	831	G	3	37.7	16.4	4.8	0	42
27	831	H	0	5.5	5.0	0.9	34	32
27	831	J	2	6.8	3.6	2.1	46	27
27	831	K	0	2.2	2.9	0.3	36	41
27	831	M	0	4.4	3.6	0.9	36	39
27	831	N	3	9.6	3.4	4.1	15	53
27	831	O	2	8.6	4.5	2.3	17	49
27	831	P	2	5.5	2.6	2.2	11	68
27	831	Q	0	5.4	6.2	0.6	19	41
27	831	R	0	5.6	8.1	0.4	5	47
27	831	S	2	24.7	15.3	2.6	10	34
27	831	T	2	31.7	19.2	2.9	0	40
27	831	U	2	26.8	20.4	2.0	2	39
27	831	V	1	19.3	18.1	1.4	1	41
27	831	W	1	19.7	22.3	1.1	0	39
27	831	X	4	50.9	14.2	9.5	0	40
27	831	Y	4	66.3	20.5	8.9	6	29
27	831	Z	2	28.1	14.5	3.5	0	47
27	831	AA	0	11.9	15.3	0.7	1	42
27	831	AB	1	13.3	12.3	1.2	0	50
27	831	AC	1	12.9	11.3	1.3	2	47
27	831	AD	1	10.2	9.2	1.1	0	62
27	831	AE	2	37.1	24.6	2.7	7	30
27	831	AF	3	49.9	20.0	5.8	2	35
27	831	AG	4	92.4	27.6	10.3	0	41
27	831	AH	2	18.5	8.5	3.6	10	43
27	831	AJ	3	19.5	6.8	5.3	3	50
27	831	AK	2	40.7	25.3	3.1	2	35
27	831	AM	2	43.0	26.9	3.1	0	37
27	831	AN	1	5.1	4.1	1.0	0	76
27	831	AO	1	3.4	1.7	1.7	35	58
27	831	AP	0	6.6	7.9	0.6	17	38
27	840	A	0	3.5	6.7	0.2	14	39
27	840	B	0	4.9	12.4	0.1	6	33
27	840	C	0	9.1	15.0	0.4	10	31
27	840	D	1	20.2	16.8	1.6	0	49
27	840	E	0	10.5	13.5	0.7	16	29
27	840	F	1	15.1	15.2	1.1	4	41
27	840	G	0	9.6	9.7	0.9	9	43
27	840	H	2	12.8	7.2	2.4	12	45
27	840	J	2	11.8	7.1	2.1	0	62
27	840	K	2	12.8	7.2	2.4	0	61

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
27	840	M	0	4.9	9.4	0.2	0	52
27	840	N	1	35.1	33.1	1.7	7	27
27	840	O	0	29.4	41.2	0.9	2	28
27	840	P	2	14.2	7.6	2.6	17	38
27	840	Q	3	20.2	8.4	4.2	13	38
27	840	R	0	10.5	12.3	0.8	0	47
27	840	S	1	9.5	6.2	1.7	4	57
27	840	T	3	17.8	7.2	4.2	0	63
27	840	U	4	25.0	6.5	8.4	0	51
27	840	V	4	28.0	6.3	10.6	9	40
27	840	W	5	31.8	5.4	16.0	0	47
27	840	X	5	34.3	6.0	15.7	1	45
27	840	Y	5	37.7	6.1	17.9	0	44
27	840	Z	4	33.1	7.8	10.5	0	48
27	840	AA	3	17.8	5.1	6.7	0	59
27	840	AB	2	6.4	3.3	2.1	48	26
27	840	AC	3	8.9	3.0	4.3	29	41
27	840	AD	4	44.3	12.5	9.0	0	43
27	840	AE	4	58.5	13.8	12.3	0	42
27	840	AF	4	78.8	19.9	12.2	0	34
27	840	AG	3	60.0	20.2	7.8	2	34
27	840	AH	3	40.5	17.6	4.9	0	42
27	840	AJ	2	22.3	13.6	2.6	0	49
27	840	AK	2	24.6	12.6	3.4	0	58
27	850	A	1	11.1	11.2	1.0	1	49
27	850	B	1	13.5	14.8	1.0	2	42
27	850	C	1	14.1	15.2	1.0	0	48
27	850	D	1	12.6	8.4	1.9	2	53
27	850	E	0	-7.5	12.5	0.0	0	53
27	850	F	1	19.1	15.0	1.7	0	60
27	850	G	1	14.5	15.3	1.0	0	58
27	850	H	2	15.3	8.1	2.8	1	53
27	850	J	3	28.8	12.7	4.3	0	57
27	850	K	2	37.2	19.8	3.7	0	44
27	850	M	2	34.9	19.0	3.5	0	43
27	850	N	3	38.0	15.1	5.4	2	40
27	850	O	0	12.2	0.5	85.0	0	86
27	850	P	5	21.9	3.4	16.3	0	57
27	850	Q	3	19.2	5.1	7.6	5	50
27	850	R	1	6.5	3.9	1.7	0	87
27	850	S	1	8.4	6.9	1.2	0	59
27	850	T	0	11.4	18.3	0.5	0	47
27	850	U	1	20.1	22.4	1.1	0	38
27	850	V	1	9.3	6.2	1.7	17	45

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
27	850	W	1	21.7	17.3	1.8	5	38
27	850	X	1	13.4	13.2	1.1	6	41
27	850	Y	1	9.0	7.9	1.1	9	47
27	850	Z	2	11.8	7.2	2.1	11	47
27	850	AA	2	9.6	5.1	2.3	0	64
27	850	AB	0	7.6	7.5	0.9	0	68
27	850	AC	0	9.7	10.5	0.8	0	55
27	850	AD	0	5.2	11.8	0.2	0	42
27	850	AE	0	2.7	0.6	5.2	0	117
27	850	AF	0	3.4	2.9	0.8	0	96
27	850	AG	0	9.7	13.8	0.6	6	37
27	850	AH	0	4.5	7.8	0.3	0	54
26	860	A	0	4.8	0.9	7.9	5	85
26	860	B	0	3.5	0.7	6.6	20	81
26	860	C	0	8.7	-1.0	0.0	0	59
26	860	D	0	15.1	25.9	0.5	0	40
26	860	E	0	14.6	25.6	0.5	0	39
26	860	F	0	6.3	11.9	0.3	0	64
26	860	G	0	3.4	5.1	0.3	0	91
26	860	H	1	13.5	11.7	1.3	0	71
26	860	J	2	17.5	10.5	2.4	0	60
26	860	K	0	7.6	14.1	0.3	0	43
26	860	M	0	10.7	14.6	0.6	0	51
26	860	N	1	15.4	15.1	1.2	0	47
26	860	O	1	16.3	12.7	1.7	0	56
26	860	P	2	16.9	11.3	2.1	0	49
26	860	Q	1	15.3	15.8	1.1	9	35
26	860	R	1	18.5	20.1	1.1	2	38
26	860	S	1	23.3	22.9	1.4	3	35
26	860	T	2	21.5	14.7	2.2	9	36
26	860	U	0	9.8	11.6	0.7	18	29
26	860	V	1	14.1	12.1	1.4	8	41
26	860	W	0	9.9	11.7	0.8	0	56
26	860	X	0	7.3	9.4	0.6	3	48
26	860	Y	1	11.5	9.1	1.4	0	64
26	860	Z	2	20.1	12.7	2.4	2	45
26	860	AA	3	25.1	10.3	4.6	0	57
26	860	AB	3	63.3	23.7	6.9	0	40
26	860	AC	3	65.4	22.6	7.7	0	35
26	860	AD	3	46.8	20.3	5.2	0	42
26	860	AE	2	43.2	23.8	3.7	0	37
26	860	AF	2	29.8	21.0	2.3	3	37
26	860	AG	0	3.6	8.9	0.1	0	44
26	860	AH	0	3.9	7.9	0.2	0	53

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
26	860	AJ	0	4.4	9.3	0.2	11	35
26	860	AK	0	5.4	11.1	0.2	0	64
26	860	AM	2	20.1	12.1	2.5	4	44
26	860	AN	2	20.8	11.0	3.1	4	45
26	860	AO	2	19.3	12.3	2.3	6	42
26	860	AP	2	24.2	15.8	2.4	7	37
26	860	AQ	1	13.8	14.1	1.1	4	41
26	860	AR	0	12.0	13.2	0.9	0	55
26	860	AS	2	14.0	7.3	2.7	0	58
26	860	AT	1	15.4	10.5	1.9	0	55
26	870	A	3	22.9	9.5	4.4	4	45
26	870	B	1	21.2	19.5	1.5	0	50
26	870	C	1	9.8	9.2	1.0	1	52
26	870	D	3	39.0	15.7	5.4	0	44
26	870	E	3	37.4	14.0	5.9	0	43
26	870	F	3	28.7	10.6	5.5	0	51
26	870	G	2	10.5	4.3	3.4	5	60
26	870	H	0	7.8	15.3	0.3	0	43
26	870	J	1	7.5	5.0	1.5	8	58
26	870	K	1	10.8	7.5	1.7	13	45
26	870	M	1	23.0	21.0	1.5	4	36
26	870	N	0	7.9	8.1	0.8	17	39
26	870	O	3	27.4	10.9	4.9	0	47
26	870	P	2	25.6	11.8	3.9	0	47
26	870	Q	3	24.2	10.7	4.1	7	40
26	870	R	0	0.8	4.5	0.0	0	72
26	870	S	0	7.8	16.7	0.3	5	32
26	870	T	0	7.4	16.5	0.2	3	33
26	870	U	1	10.2	8.7	1.2	0	72
26	870	V	1	12.5	12.9	1.0	12	35
26	870	W	1	13.8	14.6	1.0	4	41
26	870	X	1	12.4	12.5	1.0	5	43
26	870	Y	0	7.9	8.0	0.9	7	48
26	870	Z	1	8.5	8.0	1.0	6	50
26	870	AA	0	12.0	42.6	0.1	0	30
26	870	AB	0	15.2	32.9	0.4	0	35
26	870	AC	1	7.5	6.3	1.1	0	62
26	870	AD	0	17.4	25.0	0.7	0	44
26	870	AE	1	38.6	39.8	1.5	2	29
26	870	AF	0	25.0	53.0	0.5	0	26
26	870	AG	4	14.1	2.2	14.2	6	57
26	870	AH	3	28.1	8.7	6.9	0	48
26	870	AJ	0	5.3	-0.3	0.0	0	110
26	870	AK	0	13.6	16.6	0.8	16	26

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
26	870	AM	1	27.9	28.8	1.4	4	31
26	870	AN	2	24.0	15.2	2.5	8	37
26	870	AO	1	15.8	11.6	1.8	0	52
26	870	AP	0	7.8	9.1	0.7	7	46
26	870	AQ	0	-2.8	5.1	0.0	0	59
26	880	A	0	5.7	8.0	0.4	0	59
26	880	B	0	4.2	-2.1	0.0	0	70
26	880	C	0	3.8	3.6	0.7	28	46
26	880	D	4	17.8	3.6	10.7	11	47
26	880	E	4	22.2	4.7	10.7	11	42
26	880	F	2	19.4	14.0	2.0	0	47
26	880	G	2	7.3	3.7	2.2	6	65
26	880	H	0	7.8	18.0	0.2	0	44
26	880	J	0	14.6	26.8	0.5	0	39
26	880	K	0	15.5	29.6	0.5	0	37
26	880	M	1	30.7	36.0	1.2	0	34
26	880	N	1	28.5	38.5	1.0	0	36
26	880	O	1	26.1	33.9	1.0	0	37
26	880	P	0	21.2	27.1	0.9	0	38
26	880	Q	1	14.4	10.5	1.7	11	40
26	880	R	1	11.8	12.3	1.0	11	37
26	880	S	2	15.1	8.6	2.5	8	46
26	880	T	3	27.8	11.5	4.7	0	63
26	880	U	3	44.4	16.7	6.1	0	39
26	880	V	3	43.1	13.5	7.7	1	40
26	880	W	0	14.7	18.2	0.8	11	29
26	880	X	1	10.0	8.9	1.1	16	38
26	880	Y	0	14.2	16.1	0.9	0	49
26	880	Z	1	13.5	14.5	1.0	2	43
26	880	AA	1	11.6	11.1	1.1	0	61
26	880	AB	1	11.1	11.0	1.0	0	56
26	880	AC	1	20.9	18.2	1.6	6	36
26	880	AD	0	7.8	10.9	0.5	5	43
26	880	AE	0	7.9	10.9	0.5	3	45
26	880	AF	0	8.9	10.0	0.8	21	30
26	880	AG	3	20.4	7.2	5.2	0	53
26	880	AH	3	36.5	11.2	7.6	0	54
26	880	AJ	3	47.0	19.8	5.4	0	44
26	880	AK	3	35.0	15.7	4.5	0	46
26	880	AM	2	26.0	18.3	2.2	6	36
26	890	A	1	12.0	11.3	1.1	13	37
26	890	B	1	9.6	7.6	1.3	1	56
26	890	C	2	8.9	5.0	2.1	6	59

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
26	890	D	0	4.8	4.3	0.8	10	59
26	890	E	3	16.3	6.0	4.6	0	71
26	890	F	3	71.1	25.2	7.6	0	41
26	890	G	3	45.6	16.8	6.4	10	29
26	890	H	4	42.8	11.9	9.0	10	32
26	890	J	2	18.5	11.8	2.3	7	42
26	890	K	2	13.9	9.1	2.0	4	50
26	890	M	2	23.1	12.0	3.2	0	57
26	890	N	2	27.5	16.0	3.0	0	59
26	890	O	1	30.0	40.2	1.0	0	31
26	890	P	0	23.1	32.4	0.8	0	38
26	890	Q	0	16.8	20.5	0.9	0	49
26	890	R	0	16.4	30.6	0.5	0	38
26	890	S	1	16.7	19.4	1.0	2	38
26	890	T	0	11.1	12.3	0.9	19	28
26	890	U	0	11.1	17.7	0.5	13	26
26	890	V	0	15.1	22.8	0.6	6	30
26	890	W	0	12.2	19.0	0.5	0	49
26	890	X	0	5.0	7.1	0.4	2	53
26	890	Y	0	-0.4	5.8	0.0	0	56
26	890	Z	0	5.1	7.5	0.4	2	52
26	890	AA	4	9.4	1.5	12.2	29	43
26	890	AB	0	2.2	8.0	0.0	0	49
26	901	A	1	6.2	4.1	1.4	16	55
26	901	B	1	22.4	22.8	1.3	0	49
26	901	C	1	47.9	52.3	1.6	0	34
26	901	D	1	49.0	67.3	1.2	0	30
26	901	E	0	14.5	17.0	0.9	0	54
26	901	F	2	11.2	6.6	2.1	15	44
26	901	G	3	24.5	10.3	4.4	12	36
26	901	H	1	25.1	20.1	1.9	0	45
26	901	J	1	21.5	16.0	1.9	0	53
26	901	K	1	5.7	4.1	1.2	0	71
26	901	M	0	9.8	10.1	0.9	8	43
26	901	N	0	8.7	8.8	0.9	14	40
26	901	O	1	12.0	8.1	1.8	24	31
26	901	P	0	5.2	6.9	0.5	0	60
26	901	Q	0	9.3	10.1	0.8	19	31
26	901	R	1	12.8	11.4	1.3	12	37
26	901	S	1	8.0	6.3	1.2	0	67
26	901	T	1	33.8	42.8	1.1	0	33
26	901	U	1	50.8	69.3	1.2	0	29
26	901	V	2	65.9	55.7	2.4	5	24
26	901	W	2	75.1	68.0	2.3	4	22

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

				AMPLITUDE (PPM)		CONDUCTOR		BIRD
FLIGHT	LINE	ANOMALY	CATEGORY	INPHASE	QUAD.	CTP MHOS	DEPTH MTRS	HEIGHT MTRS
26	901	X	1	52.2	77.3	1.1	4	19
26	901	Y	0	39.3	67.7	0.8	0	24
26	901	Z	2	19.2	10.3	2.9	0	71
26	901	AA	2	16.0	9.2	2.5	0	54
26	901	AB	0	2.6	6.1	0.1	27	25
26	901	AC	1	20.9	21.5	1.2	18	21
26	901	AD	2	19.1	13.1	2.1	14	33
26	901	AE	0	7.7	9.7	0.6	24	26
26	901	AF	1	13.0	13.5	1.0	0	60
26	901	AG	1	18.4	17.9	1.3	0	46
26	901	AH	3	40.9	19.0	4.5	4	36
26	901	AJ	3	38.4	17.6	4.5	2	38
26	901	AK	2	19.3	8.9	3.6	0	58
26	901	AM	2	19.8	9.3	3.5	5	46
26	901	AN	3	17.1	6.4	4.6	0	63
26	901	AO	1	6.8	6.0	1.0	9	53
25	910	A	3	24.1	7.1	7.0	9	41
25	910	B	4	21.5	4.5	10.8	0	54
25	910	C	0	2.8	9.0	0.1	0	57
25	910	D	0	2.7	12.9	0.0	0	38
25	910	E	1	10.2	8.8	1.2	14	41
25	910	F	1	11.1	9.7	1.2	4	48
25	910	G	0	7.1	10.4	0.5	5	43
25	910	H	0	12.8	15.5	0.8	7	36
25	910	J	0	13.4	16.2	0.8	0	48
25	910	K	0	16.3	20.4	0.9	0	45
25	910	M	2	18.7	12.7	2.1	3	44
25	910	N	2	27.4	17.0	2.7	0	44
25	910	O	2	28.2	15.5	3.2	0	51
25	910	P	1	17.0	13.5	1.6	9	37
25	910	Q	1	13.2	11.0	1.4	14	36
25	910	R	2	16.0	8.5	2.8	7	46
25	910	S	1	10.7	7.7	1.6	14	43
25	910	T	0	8.6	9.8	0.7	15	36
25	910	U	0	7.9	9.3	0.7	17	35
25	910	V	1	9.1	7.1	1.3	25	34
25	910	W	0	8.7	9.1	0.8	15	38
25	910	X	0	10.2	16.4	0.5	0	45
25	910	Y	1	8.2	5.6	1.5	9	55
25	910	Z	0	8.4	8.9	0.8	7	46
25	910	AA	2	7.1	3.2	2.6	15	59
25	910	AB	3	7.9	2.3	5.0	0	76
25	910	AC	3	9.0	2.5	5.6	0	78
25	910	AD	3	31.7	11.2	6.0	0	45

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
25	910	AE	3	40.7	15.9	5.7	3	38
25	910	AF	4	33.0	9.1	8.5	3	42
25	910	AG	2	8.1	4.5	2.0	26	41
25	910	AH	4	8.9	1.5	11.2	2	72
25	910	AJ	3	26.2	10.4	4.8	5	42
25	910	AK	3	38.3	13.3	6.5	0	42
25	910	AM	2	23.2	16.1	2.2	0	44
25	910	AN	2	9.9	3.7	3.8	0	71
25	910	AO	2	7.6	2.7	3.8	13	61
25	910	AP	3	4.1	1.1	4.5	26	68
25	910	AQ	0	3.4	1.0	3.7	28	72
25	910	AR	0	1.7	6.6	0.0	0	55
25	910	AS	0	4.9	7.7	0.3	0	54
25	910	AT	0	1.8	7.8	0.0	6	34
25	920	A	0	0.0	5.9	0.0	0	70
25	921	A	1	13.1	11.9	1.2	6	43
25	921	B	1	19.7	21.1	1.1	0	44
25	921	C	0	11.3	18.3	0.5	1	38
25	921	D	3	58.6	26.7	5.2	6	29
25	921	E	1	15.5	13.5	1.4	4	42
25	921	F	3	27.4	11.6	4.5	12	34
25	921	G	2	22.3	11.7	3.2	12	36
25	921	H	2	13.4	8.1	2.2	11	44
25	921	J	0	9.7	21.0	0.3	0	39
25	921	K	1	10.5	7.0	1.7	28	31
25	921	M	2	9.9	4.4	3.0	31	34
25	921	N	1	5.0	2.8	1.7	30	50
25	921	O	3	9.0	3.0	4.4	28	42
25	921	P	3	12.9	5.0	4.0	28	32
25	921	Q	3	33.9	14.2	4.9	19	24
25	921	R	0	11.6	0.4	106.2	13	57
25	921	S	4	14.3	3.1	9.1	21	41
25	921	T	3	13.1	4.2	5.2	28	34
25	921	U	4	13.9	2.6	11.0	24	39
25	921	V	0	9.9	14.6	0.5	0	50
25	921	W	0	7.6	19.6	0.2	0	39
25	921	X	0	5.1	9.3	0.3	10	38
25	921	Y	1	6.9	4.9	1.4	25	41
25	921	Z	1	7.8	4.6	1.9	17	50
25	921	AA	0	3.9	4.3	0.5	21	47
25	921	AB	6	78.1	2.7	179.5	3	33
25	921	AC	0	55.5	-0.8	0.0	0	25
25	921	AD	0	31.8	-1.1	0.0	0	33

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
25	921	AE	0	26.2	-2.9	0.0	0	31
25	921	AF	0	5.4	-4.7	0.0	0	55
25	921	AG	0	3.8	-2.5	0.0	0	54
24	930	A	0	4.0	8.1	0.2	0	60
24	930	B	0	2.3	10.6	0.0	0	60
24	930	C	3	17.8	7.4	4.0	0	62
24	930	D	4	17.2	4.2	8.2	0	62
24	930	E	5	15.9	2.0	19.7	0	63
24	930	F	3	20.2	7.1	5.3	0	60
24	930	G	0	2.4	12.4	0.0	0	86
24	930	H	0	7.1	10.0	0.5	0	51
24	930	J	0	4.3	14.1	0.1	0	52
24	930	K	0	9.0	11.3	0.7	0	48
24	930	M	0	8.7	10.1	0.7	0	51
24	930	N	0	5.3	5.4	0.7	13	51
24	930	O	0	4.8	4.6	0.7	18	50
24	930	P	1	5.5	3.0	1.8	20	57
24	930	Q	0	5.7	-0.6	0.0	0	57
24	930	R	0	3.9	-0.6	0.0	0	63
24	930	S	0	3.5	0.0	99.0	43	62
24	930	T	1	10.7	8.8	1.3	0	55
24	930	U	1	10.9	10.8	1.0	0	53
24	930	V	1	3.7	2.5	1.1	25	59
24	930	W	0	17.3	50.5	0.3	0	32
24	930	X	0	21.6	44.3	0.5	0	36
24	930	Y	3	40.6	19.5	4.3	0	41
24	930	Z	3	72.0	34.9	5.1	0	35
24	930	AA	2	100.4	74.1	3.3	4	21
24	930	AB	3	65.8	32.0	4.9	0	39
24	930	AC	3	19.5	6.8	5.3	3	51
24	930	AD	3	16.6	6.5	4.3	8	48
24	930	AE	3	26.7	9.2	5.9	6	42
24	930	AF	4	37.4	9.2	10.2	0	44
24	930	AG	1	9.3	5.6	1.9	7	56
24	930	AH	2	9.2	4.4	2.6	10	56
24	930	AJ	0	7.0	11.0	0.4	0	55
24	930	AK	0	11.8	17.0	0.6	0	52
24	930	AM	0	10.6	11.0	0.9	0	54
24	930	AN	2	7.4	4.0	2.1	13	57
24	930	AO	0	6.0	5.3	0.9	9	56
24	930	AP	0	4.3	5.2	0.5	8	55
24	930	AQ	0	5.5	5.9	0.7	6	55
24	930	AR	1	8.7	6.0	1.5	8	54
24	930	AS	1	8.2	5.2	1.7	12	52

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
24	930	AT	2	10.3	5.0	2.7	11	52
24	930	AU	2	13.5	5.9	3.4	6	53
24	930	AV	1	10.3	8.5	1.3	3	52
25	932	A	0	13.0	25.9	0.4	0	37
25	932	B	0	5.7	16.0	0.1	0	36
25	932	C	3	38.0	14.8	5.6	6	35
25	932	D	2	21.6	11.3	3.1	3	45
25	932	E	1	6.1	4.2	1.4	0	73
25	932	F	0	4.9	8.3	0.3	0	56
25	932	G	0	3.7	10.6	0.1	0	55
25	932	H	1	6.0	5.0	1.0	41	26
25	932	J	3	14.5	4.7	5.3	9	50
25	932	K	1	22.0	19.7	1.5	0	42
25	932	M	1	15.0	13.5	1.3	0	52
25	932	N	1	17.5	15.3	1.4	0	49
25	932	O	0	4.4	-0.7	0.0	0	70
25	932	P	0	6.3	-1.5	0.0	0	61
25	932	Q	0	5.6	5.6	0.7	1	62
24	940	A	0	7.7	8.8	0.7	0	57
24	940	B	0	5.1	-2.3	0.0	0	83
24	940	C	0	4.7	-3.9	0.0	0	77
24	940	D	0	7.8	7.8	0.9	8	48
24	940	E	0	10.1	11.2	0.8	8	41
24	940	F	1	11.9	12.6	1.0	4	43
24	940	G	0	6.5	9.3	0.5	0	53
24	940	H	2	4.3	1.5	3.2	58	32
24	940	J	2	4.9	1.6	3.6	59	28
24	940	K	4	7.9	1.4	10.0	0	86
24	940	M	1	8.2	5.0	1.8	10	55
24	940	N	2	11.3	4.6	3.6	36	27
24	940	O	0	17.5	32.0	0.5	0	32
24	940	P	1	33.8	38.2	1.3	0	34
24	940	Q	4	14.0	3.0	9.2	5	57
24	940	R	3	29.0	11.4	5.1	3	42
24	940	S	3	25.2	9.8	4.9	5	43
24	940	T	2	10.7	4.2	3.7	21	44
24	940	U	3	14.1	3.5	7.5	8	54
24	940	V	3	42.6	14.1	7.2	6	34
24	940	W	3	52.1	18.2	7.1	11	26
24	940	X	3	52.6	17.0	7.9	6	32
24	940	Y	3	36.5	16.5	4.5	2	39
24	941	A	2	21.1	11.3	3.0	2	46

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
24	941	B	2	17.8	9.2	3.0	7	45
24	941	C	2	19.2	13.1	2.1	21	26
24	941	D	3	48.2	16.0	7.4	6	33
24	941	E	3	33.9	16.2	4.1	1	40
24	941	F	2	15.4	9.5	2.2	14	39
24	941	G	2	12.7	5.3	3.6	18	42
24	941	H	3	14.0	4.6	5.1	0	61
24	941	J	0	8.2	15.9	0.3	11	27
24	941	K	0	13.6	34.0	0.3	0	34
24	941	M	0	5.5	7.5	0.5	10	44
24	941	N	0	6.8	9.5	0.5	14	36
24	941	O	0	13.4	20.4	0.6	11	26
24	941	P	0	11.8	14.7	0.8	11	33
24	941	Q	0	5.6	7.9	0.4	24	29
24	941	R	0	12.9	22.9	0.5	13	22
24	941	S	4	25.7	6.9	8.1	0	71
24	941	T	3	25.1	8.8	5.7	0	53
23	950	A	0	5.1	8.8	0.3	26	23
23	950	B	1	16.2	11.8	1.8	25	24
23	950	C	2	15.2	7.6	3.0	18	37
23	950	D	2	14.5	6.3	3.5	14	44
23	950	E	2	12.1	5.4	3.2	6	54
23	950	F	0	6.2	6.3	0.8	14	46
23	950	G	2	8.9	4.6	2.3	0	81
23	950	H	0	7.6	7.8	0.8	6	50
23	950	J	0	6.3	14.9	0.2	0	45
23	950	K	0	6.5	19.1	0.1	0	38
23	950	M	1	15.5	12.4	1.6	27	21
23	950	N	2	35.0	23.4	2.7	9	29
23	950	O	1	26.4	21.3	1.9	8	31
23	950	P	2	18.6	9.2	3.2	5	46
23	950	Q	3	28.0	11.4	4.8	3	43
23	950	R	2	28.5	16.3	3.1	12	31
23	950	S	2	33.5	21.0	2.9	18	22
23	950	T	2	31.1	21.2	2.5	11	29
23	950	U	2	33.1	24.1	2.3	8	30
23	950	V	2	26.5	20.2	2.0	11	30
23	950	W	1	28.0	22.9	1.9	18	21
23	950	X	1	27.1	22.7	1.8	13	26
23	950	Y	1	27.1	21.5	1.9	2	38
23	950	Z	3	47.6	23.5	4.4	0	37
23	950	AA	3	47.0	20.4	5.2	0	38
23	950	AB	3	42.8	18.9	4.9	0	40
23	950	AC	3	42.9	19.2	4.8	2	37

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EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
23	950	AD	2	26.1	15.9	2.7	17	27
23	950	AE	2	26.7	17.6	2.5	16	26
23	950	AF	2	38.1	24.2	2.9	12	26
23	950	AG	1	24.7	21.6	1.6	15	25
23	950	AH	1	15.0	17.0	1.0	14	28
23	950	AJ	2	23.8	17.8	2.0	11	31
23	950	AK	1	14.6	10.6	1.8	2	49
23	950	AM	1	13.4	10.9	1.4	4	46
23	950	AN	1	9.2	8.3	1.1	4	52
23	950	AO	0	8.1	9.5	0.7	17	34
23	950	AP	0	6.9	18.7	0.2	0	48
23	950	AQ	0	12.3	19.6	0.5	0	48
23	950	AR	1	10.5	8.8	1.3	0	67
23	950	AS	0	4.1	6.6	0.3	0	69
23	950	AT	0	9.2	13.5	0.5	0	45
23	950	AU	0	-2.1	5.2	0.0	0	28
23	950	AV	0	9.6	25.8	0.2	1	29
23	950	AW	0	5.4	9.7	0.3	0	49
23	950	AX	0	7.4	8.6	0.7	9	44
23	950	AY	0	6.2	9.3	0.4	1	48
23	960	A	1	6.0	4.1	1.4	0	88
23	960	B	1	19.1	19.6	1.2	0	46
23	960	C	1	20.6	21.7	1.2	0	44
23	960	D	1	20.2	18.2	1.5	0	51
23	960	E	0	7.9	16.1	0.3	0	53
23	960	F	0	6.6	17.3	0.2	0	42
23	960	G	2	21.6	14.9	2.2	10	35
23	960	H	0	14.0	19.0	0.7	3	36
23	960	J	0	7.8	9.4	0.7	0	63
23	960	K	1	11.0	10.9	1.0	0	63
23	960	M	1	16.2	13.6	1.5	18	29
23	960	N	1	15.3	11.0	1.8	9	41
23	960	O	2	21.0	13.3	2.4	12	35
23	960	P	1	20.9	16.8	1.7	8	35
23	960	Q	3	51.9	24.0	4.9	9	27
23	960	R	3	116.3	46.5	7.5	3	25
23	960	S	3	69.4	32.3	5.3	9	24
23	960	T	3	36.8	16.8	4.5	6	35
23	960	U	3	41.2	18.9	4.6	11	29
23	960	V	3	42.1	20.3	4.3	5	34
23	960	W	2	33.0	20.8	2.8	0	40
23	960	X	2	25.4	15.9	2.6	4	40
23	960	Y	2	27.7	18.6	2.4	16	26
23	960	Z	1	12.2	11.8	1.1	16	32

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
23	960	AA	0	9.4	12.3	0.6	18	28
23	960	AB	0	10.5	14.9	0.6	26	17
23	960	AC	0	8.6	10.0	0.7	25	25
23	960	AD	0	7.5	8.5	0.7	8	45
23	960	AE	1	11.6	11.5	1.0	0	58
23	960	AF	1	11.6	11.6	1.0	0	59
23	960	AG	1	11.4	9.9	1.2	0	73
23	960	AH	1	25.6	21.4	1.8	10	30
23	960	AJ	1	26.2	21.3	1.9	9	31
23	960	AK	1	12.0	11.5	1.1	8	41
23	960	AM	0	8.5	11.0	0.6	0	51
23	960	AN	0	9.9	25.2	0.2	0	31
23	960	AO	0	5.2	10.1	0.3	17	28
23	960	AP	0	7.7	10.5	0.5	11	38
23	960	AQ	0	4.7	8.3	0.3	9	41
23	960	AR	0	8.4	13.2	0.5	15	28
23	960	AS	1	17.7	21.0	1.0	6	32
21	970	A	1	11.9	12.0	1.0	6	42
21	970	B	0	11.0	13.9	0.7	20	25
21	970	C	0	3.5	8.1	0.1	0	53
21	972	A	0	9.2	9.6	0.9	20	32
21	972	B	2	4.3	1.5	3.2	38	52
21	972	C	1	9.9	8.1	1.3	0	65
21	972	D	1	9.8	9.7	1.0	33	19
21	972	E	0	4.8	6.1	0.5	33	26
21	972	F	1	6.5	4.6	1.3	38	30
21	972	G	1	14.5	12.0	1.5	27	22
21	972	H	1	14.4	11.3	1.6	31	19
21	972	J	2	14.7	6.5	3.5	30	26
21	972	K	3	19.5	5.5	7.0	8	46
21	972	M	3	31.3	9.3	7.5	19	26
21	972	N	3	24.1	7.5	6.5	25	25
21	972	O	3	18.3	6.4	5.1	17	37
21	972	P	3	19.8	6.0	6.4	5	49
21	972	Q	3	16.0	5.1	5.6	31	27
21	972	R	0	5.8	18.0	0.1	9	24
21	972	S	0	10.5	16.9	0.5	16	23
21	972	T	1	23.8	24.3	1.3	14	23
21	972	U	1	26.5	21.4	1.9	2	37
21	972	V	2	22.6	11.1	3.5	13	35
21	972	W	2	29.7	14.6	3.8	11	33
21	972	X	2	21.4	11.2	3.1	0	49
21	972	Y	1	15.0	12.6	1.4	8	40

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
21	972	Z	2	29.3	17.9	2.8	0	54
21	972	AA	2	37.9	19.8	3.8	0	44
21	972	AB	2	32.1	16.3	3.7	0	56
21	972	AC	0	6.2	10.7	0.3	0	66
21	972	AD	0	5.8	11.9	0.2	0	50
21	972	AE	0	10.1	24.6	0.3	0	34
21	972	AF	2	24.2	14.8	2.6	9	36
21	972	AG	2	28.8	14.6	3.6	0	45
21	972	AH	2	28.0	15.2	3.3	0	48
21	972	AJ	2	25.7	14.6	3.0	11	33
21	972	AK	1	17.6	13.0	1.8	4	44
21	972	AM	0	7.6	-2.7	0.0	0	64
21	980	A	2	17.7	9.0	3.1	0	52
21	980	B	1	4.9	2.7	1.7	17	64
21	980	C	0	8.3	12.6	0.5	0	47
21	980	D	1	16.5	13.3	1.6	0	57
21	980	E	2	16.7	11.6	2.0	0	55
21	980	F	3	26.4	8.1	6.9	0	66
21	980	G	3	20.6	5.8	7.1	0	80
21	980	H	1	12.0	9.5	1.4	11	42
21	980	J	3	18.1	5.3	6.5	0	61
21	980	K	3	39.8	18.3	4.6	12	28
21	980	M	3	36.3	16.4	4.5	11	31
21	980	N	3	52.1	17.4	7.5	3	35
21	980	O	4	57.8	16.7	9.4	7	30
21	980	P	4	44.8	12.1	9.5	0	48
21	980	Q	5	25.9	3.0	25.3	0	54
21	980	R	5	39.2	7.2	15.3	9	34
21	980	S	3	24.5	9.8	4.7	19	30
21	980	T	0	9.5	19.5	0.3	0	38
21	980	U	2	7.5	4.1	2.0	31	38
21	980	V	3	28.6	13.4	4.0	0	46
21	980	W	4	28.0	7.6	8.2	0	61
21	980	X	4	58.5	13.4	12.8	4	33
21	980	Y	0	10.2	11.6	0.8	6	42
21	980	Z	0	12.4	13.4	0.9	22	24
21	990	A	0	3.3	0.9	4.1	12	89
21	991	A	0	7.4	10.7	0.5	0	53
21	991	B	0	6.1	10.9	0.3	0	47
21	991	C	0	3.4	4.4	0.4	14	53
21	991	D	0	7.5	12.6	0.4	14	29
21	992	A	4	39.7	8.5	12.5	0	54

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
21	992	B	3	43.1	19.8	4.7	0	41
21	992	C	2	43.2	24.3	3.6	5	32
21	992	D	1	15.3	13.8	1.3	8	38
21	992	E	1	4.4	2.7	1.4	11	70
21	992	F	0	4.8	11.2	0.2	0	42
21	992	G	0	4.4	8.8	0.2	0	59
21	992	H	1	7.2	4.3	1.8	30	39
21	992	J	1	7.1	4.4	1.7	44	25
21	992	K	1	9.7	9.5	1.0	28	25
21	992	M	2	15.4	7.5	3.1	25	30
21	992	N	2	13.5	5.4	3.9	21	38
21	992	O	2	13.6	6.4	3.1	21	37
21	992	P	4	24.0	4.7	12.2	14	37
21	992	Q	4	20.8	3.4	14.9	16	39
21	992	R	3	16.8	5.0	6.2	25	32
21	992	S	2	17.0	11.3	2.1	8	42
21	992	T	2	32.5	17.8	3.4	5	37
21	992	U	3	25.1	9.2	5.3	4	44
21	992	V	2	15.2	9.2	2.3	10	43
21	992	W	2	15.6	10.2	2.1	14	37
21	992	X	1	12.0	11.1	1.2	14	36
21	992	Y	1	12.2	9.4	1.5	18	35
21	992	Z	0	7.4	9.0	0.6	13	39
19	1000	A	0	7.0	12.7	0.3	18	24
19	1000	B	0	3.6	9.1	0.1	23	21
19	1000	C	4	27.0	6.0	10.7	0	55
19	1000	D	4	29.8	6.5	11.2	0	57
19	1000	E	4	33.7	9.2	8.6	2	43
19	1000	F	4	37.5	9.4	10.0	0	52
19	1000	G	3	35.7	15.5	4.7	0	46
19	1000	H	3	30.2	8.9	7.5	1	45
19	1000	J	3	25.8	9.5	5.3	3	44
19	1000	K	3	16.9	4.3	7.7	0	68
19	1000	M	3	9.6	2.6	5.9	13	57
19	1000	N	3	20.2	8.4	4.2	21	30
19	1000	O	0	9.3	13.2	0.6	2	42
19	1000	P	0	7.4	13.6	0.3	0	47
19	1000	Q	1	9.0	5.5	1.9	17	47
19	1000	R	3	9.8	2.8	5.5	28	41
19	1000	S	4	10.1	1.5	13.8	38	33
19	1000	T	5	14.4	2.1	15.7	28	34
19	1000	U	4	14.5	2.9	10.2	24	38
19	1000	V	2	20.1	11.7	2.7	12	37
19	1000	W	2	25.0	18.0	2.1	6	36

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
19	1000	X	2	21.0	13.8	2.3	0	46
19	1000	Y	2	19.4	9.5	3.3	8	42
19	1000	Z	3	25.3	8.8	5.7	0	52
19	1000	AA	3	39.1	13.0	6.9	0	44
19	1000	AB	3	29.4	10.4	5.9	0	49
19	1000	AC	2	23.3	11.2	3.6	0	64
19	1000	AD	2	24.5	11.8	3.7	1	46
19	1000	AE	2	19.7	11.1	2.8	12	37
19	1000	AF	3	17.6	7.0	4.3	20	34
19	1000	AG	2	21.4	11.0	3.2	8	40
19	1000	AH	2	21.2	9.8	3.7	6	43
19	1000	AJ	2	20.0	9.1	3.7	1	50
19	1000	AK	1	11.8	9.6	1.4	12	41
19	1000	AM	0	10.3	11.7	0.8	0	65
19	1000	AN	0	8.4	9.1	0.8	18	35
19	1000	AO	0	1.9	14.4	0.0	0	28
19	1000	AP	0	7.2	21.8	0.1	3	28
19	1000	AQ	0	21.3	32.0	0.7	0	37
19	1000	AR	0	8.7	12.0	0.6	1	45
19	1000	AS	0	5.8	6.8	0.6	14	44
19	1000	AT	0	9.6	11.8	0.7	2	46
19	1000	AU	0	9.7	13.9	0.6	0	43
19	1000	AV	0	6.3	-1.3	0.0	0	37
19	1000	AW	0	11.2	-3.2	0.0	0	49
19	1000	AX	0	10.4	-0.7	0.0	0	45
19	1010	A	0	5.2	12.0	0.2	0	43
19	1010	B	0	8.7	22.3	0.2	0	34
19	1010	C	0	7.7	10.7	0.5	4	44
19	1010	D	0	9.5	21.8	0.3	0	41
19	1010	E	1	14.6	12.7	1.4	5	42
19	1010	F	1	13.4	11.6	1.3	6	43
19	1010	G	2	26.4	13.6	3.4	17	29
19	1010	H	3	25.6	10.2	4.8	12	35
19	1010	J	3	25.8	7.6	7.2	8	41
19	1010	K	2	14.2	7.3	2.8	27	29
19	1010	M	2	26.2	18.0	2.3	0	43
19	1010	N	2	25.5	18.3	2.2	4	37
19	1010	O	1	9.5	6.7	1.6	19	40
19	1010	P	2	28.7	17.7	2.8	11	31
19	1010	Q	3	41.9	17.8	5.1	9	30
19	1010	R	3	48.4	16.8	7.0	10	29
19	1010	S	2	39.0	21.9	3.5	8	31
19	1010	T	3	46.8	20.8	5.0	8	29
19	1010	U	4	46.7	12.6	9.7	5	35

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

EM ANOMALY LIST - TRAIL AREA

FLIGHT	LINE	ANOMALY	CATEGORY	AMPLITUDE (PPM) INPHASE	QUAD.	CONDUCTOR CTP MHOS	DEPTH MTRS	BIRD HEIGHT MTRS
19	1010	V	4	43.2	8.7	13.9	6	36
19	1010	W	3	32.9	10.3	7.1	15	30
19	1010	X	3	7.7	2.6	4.1	22	52
19	1010	Y	0	5.1	0.9	8.8	14	75
19	1010	Z	0	5.6	7.2	0.5	6	50
19	1010	AA	1	9.3	6.3	1.6	11	50
19	1010	AB	3	24.7	6.7	7.9	0	72
19	1010	AC	3	37.7	11.4	7.8	0	54
19	1011	A	0	1.6	15.9	0.0	0	36
19	1011	B	0	3.8	11.7	0.1	0	44
19	1011	C	3	40.7	12.7	7.6	2	39
19	1011	D	4	70.2	22.5	8.7	0	41
19	1011	E	4	20.8	5.0	8.9	0	60

Estimated depth may be unreliable because the stronger part of the conductor may be deeper or to one side of the flight line, or because of a shallow dip or overburden effects.

APPENDIX III

PERSONNEL

FIELD

Flown	October-December, 1988
Pilots	R. Brule B. Steuri D. Platter
Operators	Joe Mercier Steve Arstad

OFFICE

Processing and Report	Richard Yee, P.Eng.

STREAM SEDIMENT SAMPLE RESULTS - SALMO PROJECT

ELEMENT SAMPLES	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au** PPB	H.M. %	H.M. GM	NON MAG. WT GM	MILITARY GRD REF EASTING	MILITARY GRD REF NRTHING
58410 M	1	29	12	79	0.2	448	46	877	6.12	20	5	1	10	51	1	5	2	29	0.52	0.103	16	62	8.50	32	0.03	3	0.43	0.02	0.06	1	1050	3.58	21.00	20.8	714.918	354.517
58411 M	1	61	24	113	0.5	148	25	897	4.96	18	5	0	3	72	1	4	2	70	0.80	0.168	21	73	2.71	136	0.09	9	2.10	0.01	0.16	2	5				714.918	354.517
58412 M	3	128	75	178	1.2	210	65	1289	16.30	138	5	0	46	62	1	6	4	59	0.75	0.126	81	75	2.38	81	0.06	2	1.01	0.03	0.10	26	76	1.85	12.60	11.5	713.259	349.532
58413 M	1	43	27	101	0.5	53	16	681	4.59	18	7	1	12	38	1	2	2	48	0.46	0.080	32	51	0.98	101	0.06	3	1.90	0.01	0.14	1	6				713.259	349.532
58414 M	1	40	16	90	0.4	525	63	990	7.89	37	5	0	12	39	1	5	2	27	0.40	0.088	18	59	10.31	28	0.02	2	0.36	0.01	0.06	5	48	9.60	65.80	64.3	712.947	351.433
58415 M	1	46	20	93	0.4	208	27	821	4.98	20	6	0	5	55	1	3	2	60	0.61	0.118	16	66	3.63	108	0.07	6	1.62	0.01	0.15	1	250				712.947	351.433
58416 M	1	58	20	66	0.5	114	38	547	6.20	43	5	0	10	83	1	4	2	70	1.16	0.112	21	84	1.92	53	0.10	9	0.99	0.03	0.10	11	14	2.28	15.60	14.8	695.862	322.659
58417 M	1	49	17	90	0.3	41	16	658	4.30	15	5	0	3	56	1	2	2	72	0.85	0.137	22	51	1.24	104	0.09	8	1.99	0.01	0.13	1	3				695.862	322.659
58419 M	1	54	28	142	0.5	30	15	774	4.22	12	5	0	2	84	1	2	2	67	1.30	0.081	16	45	0.97	160	0.10	12	2.61	0.02	0.12	1	5				690.219	342.329
58420 M	1	56	41	68	0.4	55	26	562	6.61	21	5	0	8	149	1	2	2	136	1.85	0.077	17	59	1.29	85	0.21	16	1.88	0.05	0.10	2	3	1.89	11.30	10.8	684.130	358.940
58421 M	1	54	16	99	0.3	28	17	867	4.94	12	5	0	1	62	1	2	2	102	0.94	0.081	14	44	1.33	135	0.14	9	2.80	0.02	0.12	1	1				684.130	358.940
58422 M	1	29	13	58	0.1	28	15	439	3.95	7	5	0	6	121	1	2	2	99	1.65	0.063	16	77	1.02	66	0.18	18	1.51	0.06	0.08	1	2	2.80	13.10	12.9	679.321	376.739
58423 M	1	48	20	133	0.3	30	15	800	4.79	4	5	0	1	57	1	2	2	101	0.95	0.065	11	46	1.43	104	0.15	8	2.94	0.02	0.09	1	2				679.321	376.739
58425 M	1	65	30	125	0.5	34	17	953	4.93	4	5	1	1	75	1	2	2	95	1.08	0.077	16	58	1.28	167	0.13	9	3.45	0.02	0.13	1	1				679.048	374.822
58426 M	1	40	13	62	0.2	59	22	456	4.72	19	5	0	7	80	1	2	2	100	1.34	0.054	11	71	1.23	51	0.15	18	1.43	0.03	0.06	1	5	2.09	9.90	9.8	687.846	372.469
58427 M	1	65	16	115	0.3	33	17	791	5.79	10	5	0	2	48	1	3	2	116	0.99	0.088	10	46	1.61	88	0.15	13	2.90	0.02	0.10	1	1				687.846	372.469
58428 M	1	31	13	68	0.3	28	17	436	4.57	12	5	0	7	115	1	2	2	104	1.46	0.063	12	69	0.92	60	0.17	12	1.46	0.04	0.09	1	1	2.42	11.40	10.9	686.568	371.745
58429 M	1	45	22	149	0.3	31	13	763	4.53	10	5	0	1	64	1	2	2	97	0.97	0.058	11	54	1.36	122	0.15	10	2.89	0.02	0.10	1	1				686.568	371.745
58430 M	1	32	14	60	0.2	29	18	462	5.09	11	5	0	7	131	1	2	2	129	1.70	0.058	13	77	0.98	74	0.21	23	1.64	0.06	0.11	1	13	1.87	12.90	12.5	685.248	373.550
58431 M	1	52	15	114	0.4	29	14	918	5.37	5	5	0	1	56	1	3	2	111	0.90	0.079	10	42	1.55	119	0.14	9	3.15	0.02	0.11	1	1				685.248	373.550
58432 M	1	46	10	79	0.2	27	15	455	4.24	14	5	0	7	115	1	2	2	94	1.45	0.066	11	71	0.97	63	0.16	10	1.47	0.05	0.08	1	1	1.51	8.50	8.3	686.433	374.447
58433 M	1	45	18	160	0.4	32	14	939	5.10	10	5	0	1	53	1	2	2	105	0.88	0.071	10	48	1.55	111	0.15	10	2.88	0.02	0.11	1	8				686.433	374.447
58434 M	1	55	19	70	0.3	176	36	642	6.22	37	5	0	7	74	1	4	2	56	0.92	0.111	15	66	2.98	43	0.08	7	0.81	0.02	0.09	1	12	2.09	11.80	11.5	697.988	360.761
58435 M	1	46	16	92	0.3	40	15	705	4.55	11	5	0	2	45	1	2	2	65	0.63	0.098	14	40	1.46	100	0.08	4	2.21	0.01	0.10	1	1				697.988	360.761
58436 M	1	45	11	53	0.2	51	25	446	4.83	22	5	1	8	94	1	2	2	90	1.42	0.095	17	89	1.12	58	0.12	13	1.17	0.04	0.11	1	29	3.28	18.20	17.4	696.001	360.615
58437 M	1	51	13	89	0.3	29	14	685	4.77	7	6	0	3	51	1	2	2	97	0.84	0.097	12	41	1.41	104	0.13	6	2.41	0.02	0.14	1	1				696.001	360.615
58438 M	1	56	21	60	0.4	35	29	486	5.85	32	5	0	8	137	1	2	2	113	1.58	0.094	19	57	0.98	86	0.18	12	1.60	0.05	0.12	2	5	1.32	9.10	8.6	694.409	353.492
58439 M	1	57	16	95	0.4	25	17	979	5.21	8	5	0	2	58	1	2	2	103	0.87	0.103	13	39	1.52	129	0.13	7	2.87	0.02	0.15	1	1				694.409	353.492
58440 M	1	50	15	61	0.2	126	34	528	5.49	37	5	0	8	60	1	4	2	57	0.85	0.114	17	63	2.18	45	0.07	5	0.81	0.02	0.08	1	6	3.17	21.20	20.3	696.172	354.735
58441 M	1	45	14	86	0.1	38	15	632	4.52	9	5	0	2	44	1	2	2	72	0.64	0.094	13	42	1.43	90	0.09	10	2.15	0.02	0.11	1	4				696.172	354.735
58442 M	2	94	24	73	0.6	51	53	567	8.00	48	5	0	20	95	1	3	2	74	0.92	0.103	43	53	1.09	55	0.12	4	1.15	0.02	0.11	5	59	2.64	17.30	15.6	792.350	348.363
58443 M	1	46	13	77	0.7	24	16	574	4.56	10	6	1	4	41	1	2	2	72	0.50	0.078	12	43	1.21	80	0.10	7	1.64	0.01	0.14	1	1				792.350	348.363
58444 M	2	92	23	75	0.5	48	49	585	7.60	47	5	0	23	99	1	2	2	76	0.97	0.107	43	54	1.08	58	0.13	8	1.22	0.03	0.11	3	51	2.48	17.00	15.4	787.489	353.683
58445 M	1	45	11	73	0.3	24	15	591	3.84	9	6	0	4	41	1	2	2	63	0.48	0.076	12	42	1.23	82	0.10	4	1.70	0.01	0.14	1	5				787.489	353.683

58446	M	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																
58447	M	1	56	14	88	0.2	24	16	807	4.46	13	5	0	2	41	1	3	2	71	0.46	0.082	9	46	1.52	74	0.09	7	2.02	0.01	0.10	2	4				787.649	371.973
58448	M	2	60	18	116	0.3	30	26	608	7.08	21	5	0	9	85	1	2	2	102	1.26	0.086	16	46	0.77	51	0.15	14	1.48	0.03	0.08	1	9	2.40	13.70	13.2	654.876	407.262
58449	M	1	55	16	124	0.4	28	16	768	5.08	5	5	0	2	52	1	2	2	95	0.85	0.096	13	41	1.46	85	0.15	14	2.67	0.02	0.13	1	111				654.876	407.262
58450	M	2	53	12	158	0.2	34	24	463	5.88	18	5	0	10	101	2	2	2	112	1.26	0.088	15	62	0.83	48	0.18	6	1.39	0.03	0.06	1	4	2.61	15.40	14.1	654.953	405.722
58451	M	2	54	12	276	0.3	39	17	782	5.11	9	5	0	1	52	2	3	2	117	0.85	0.091	9	48	1.46	89	0.17	12	2.61	0.02	0.07	1	1				654.953	405.722
58452	M	2	48	12	124	0.2	29	22	441	5.44	18	5	0	12	81	1	2	2	96	1.11	0.078	12	49	0.75	44	0.15	7	1.29	0.03	0.05	1	1	3.50	16.60	15.4	641.195	399.892
58453	M	1	51	13	222	0.3	33	16	696	5.13	6	5	0	2	57	2	2	2	114	0.88	0.086	11	48	1.36	94	0.17	13	2.61	0.02	0.12	1	1				641.195	399.892
58454	M	1	50	15	69	0.2	40	23	492	5.38	9	5	1	8	90	1	3	2	99	1.23	0.057	10	74	0.98	63	0.17	7	1.53	0.03	0.08	1	6	4.00	10.30	10.0	647.773	391.452
58455	M	1	55	12	90	0.2	46	17	811	5.14	2	5	0	1	56	1	2	2	122	0.83	0.083	8	67	1.72	97	0.16	5	2.83	0.03	0.09	1	1				647.773	391.452
58456	M	1	45	12	84	0.2	25	18	473	4.71	13	5	0	7	96	1	2	2	102	1.37	0.078	15	51	0.87	43	0.17	14	1.60	0.03	0.06	1	1	3.24	9.90	9.4	661.281	406.877
58457	M	1	62	21	137	0.4	27	17	801	4.87	5	6	0	2	58	1	2	2	111	0.96	0.082	13	44	1.26	98	0.17	14	2.85	0.02	0.09	1	1				661.281	406.877
58458	M	1	45	14	76	0.2	33	21	443	5.47	12	5	0	7	92	1	2	2	93	1.06	0.063	9	66	0.87	47	0.15	4	1.38	0.02	0.08	1	1	3.15	13.10	12.6	663.789	394.535
58459	M	1	52	21	120	0.4	30	14	986	4.08	8	5	0	1	62	1	2	2	80	1.05	0.095	15	46	0.96	135	0.12	11	3.41	0.02	0.07	1	1				663.789	394.535
58460	M	1	65	14	84	0.3	25	21	523	6.46	16	5	0	9	185	1	2	2	146	1.64	0.078	11	59	0.82	38	0.21	12	1.86	0.02	0.06	1	3	2.21	9.00	8.4	679.232	399.981
58461	M	1	53	25	137	0.4	24	14	675	4.18	10	5	0	1	59	1	2	2	97	0.99	0.084	10	44	1.00	76	0.14	8	2.67	0.01	0.06	1	1				679.232	399.981
58462	M	2	54	11	213	0.3	39	22	432	5.77	17	5	1	7	75	2	2	2	114	1.02	0.091	9	71	0.85	40	0.16	5	1.30	0.02	0.04	1	1	3.69	23.10	21.8	678.671	410.790
58463	M	3	62	13	407	0.4	49	17	753	5.20	7	5	1	1	54	3	4	2	129	0.85	0.093	9	60	1.47	96	0.18	11	2.71	0.02	0.08	1	1				678.671	410.790
58464	M	1	103	18	64	0.6	32	47	574	7.30	37	5	1	7	190	1	6	2	91	1.30	0.067	11	50	0.85	45	0.14	25	1.82	0.02	0.04	1	16	1.59	7.50	7.3	751.010	412.085
58465	M	1	85	23	110	0.7	26	16	1219	4.19	10	5	0	1	59	1	2	2	61	0.76	0.090	12	52	1.05	182	0.07	5	2.95	0.01	0.07	1	2				751.010	412.085
58466	M	1	44	11	87	0.2	40	24	438	5.27	20	5	1	7	66	1	2	2	78	1.02	0.063	10	77	1.05	49	0.15	7	1.26	0.04	0.07	1	1	2.73	11.90	11.2	667.737	430.521
58467	M	1	50	13	130	0.4	47	17	860	5.35	5	5	0	2	36	1	2	2	113	0.74	0.086	10	69	2.05	83	0.18	9	3.10	0.02	0.09	1	1				667.737	430.521
58468	M	1	44	11	55	0.1	48	17	502	3.65	21	5	0	6	180	1	2	2	71	2.20	0.155	26	70	1.46	135	0.16	13	1.48	0.07	0.16	1	755	3.03	10.00	9.7	636.520	419.661
58469	M	1	51	17	58	0.6	12	5	264	1.21	13	5	0	1	122	1	2	2	23	22.72	0.081	7	19	0.39	76	0.03	16	0.77	0.01	0.09	4	1				636.520	419.661
58470	M	1	21	9	45	0.3	43	12	435	3.16	5	5	0	9	391	1	2	2	74	2.69	0.393	66	66	1.73	386	0.19	2	1.63	0.19	0.25	1	3	11.29	58.80	58.7	637.962	433.108
58471	M	1	51	27	130	0.3	5358471 M 1 51 27 130 0.3 53 17 678 3.75 19 5 0 4 233 1 2 2 54 2.52 0.593 72 56 1.42 248 0.12 4 2.11 0.05 0.24 2 1																														
					637.962	433.108																															
58472	M	2	65	30	117	0.6	45	30	672	8.36	58	5	0	11	171	1	5	2	79	1.53	0.194	39	59	1.13	167	0.15	13	1.34	0.07	0.15	1	5	1.27	9.00	8.1	638.252	445.341
58473	M	1	54	30	148	0.6	31	16	884	4.32	27	5	0	1	74	1	2	2	56	1.09	0.113	17	35	1.03	176	0.09	7	2.56	0.02	0.18	1	1				638.252	445.341
58474	M	1	48	18	90	0.5	105	30	627	6.67	46	5	0	12	174	1	4	2	64	1.44	0.214	39	59	1.93	173	0.13	6	1.08	0.07	0.13	11	270	2.87	17.40	15.8	639.643	443.308
58475	M	1	47	23	122	0.5	33	17	801	4.58	21	5	0	2	83	1	2	2	67	1.07	0.166	24	40	1.20	214	0.10	6	2.37	0.02	0.20	1	1				639.643	443.308
58476	M	5	182	48	282	1.0	55	41	1333	17.43	135	5	0	11	130	2	13	2	86	1.25	0.167	36	60	0.91	212	0.14	19	1.55	0.05	0.16	1	1	0.59	3.60	3.3	640.739	444.206
58477	M	1	48	26	134	0.3	29	17	886	4.59	29	5	0	1	57	1	2	3	53	0.74	0.096	15	33	1.01	133	0.08	7	2.18	0.01	0.12	1	1				640.739	444.206
58478	M	1	43	14	65	0.2	18	16	462	4.33	14	5	0	8	84	1	2	2	79	1.05	0.062	15	40	0.81	42	0.14	8	1.12	0.02	0.09	2	2	2.63	16.20	15.0	668.851	444.190
58479	M	1	65	35	123	0.5	24	13	817	3.96	12	5	0	1	66	1	2	2	74	1.38	0.086	15	42	1.08	105	0.13	10	2.36	0.01	0.08	1	1				668.851	444.190
58480	M	2	106	36	111	0.4	38	41	633	9.45	67	5	0	11	99	1	4	2	105	1.21	0.094	19	57	0.92	68	0.15	24	1.58	0.03	0.09	1	7	1.68	10.40	9.4	662.252	446.703
58481	M	1	81	28	135	0.4	43	20	939	5.09	17	5	0	2	51	1	2	2	85	0.79	0.098	15	65	1.40	133	0.11	6	2.73	0.01	0.11	1	6				662.252	446.703
58482	M	2	73	17	73	0.5	39	43	576	7.14	39	5	0	14	151	1	2	2	93	1.57	0.138	34	57	1.06	61	0.17	5	1.56	0.05	0.13	5	11	1.65	15.10	11.9	661.157	445.080
58483	M	1	54	13	87	0.2	30	17	688	4.92	10	5	0	3	58	1	3	2	92	0.77	0.126	17	60	1.55	95	0.12	4	2.20	0.01	0.14	1	4				661.157	445.080
58484	M	2	76	23	80	0.5	38	40	555	7.46	42	5	1	17	134	1	3	2	96	1.42	0.131	27	57	1.05	61	0.15	10	1.59	0.04	0.12	7	6	1.37	10.50	8.9	659.366	447.564
58485	M	1	50	12	97	0.4	30	16	754	4.81	8	5	0	3	54	1	2	2	84	0.68	0.097	13	49	1.70	98	0.13	11	2.49	0.02	0.15	1	1				659.366	447.564
58486	M	1	68	20	68	0.4	37	46	505	7.93	45	5	0	26	102	1	4	2	97	1.09	0.118	30	57	0.84	48	0.14	11	1.21	0.03	0.10	2	31	2.85	19.00	15.4	644.907	458.716
58487	M	1	51	14	100	0.3	28	16	763	5.25	14	5	0	2	60	1	2	2	95	0.80	0.096	14	52	1.45	106	0.11	7	2.43	0.02	0.14	1	1				644.907	458.716
58488	M	1	96	21	63	0.6	52	87	536	10.10	58	5	0	18	122	1	5	2	104	1.14	0.125	37	48	0.77	87	0.16	10	1.22	0.03	0.15	3	57	2.53	23.30	14.9	662.968	463.202
58489	M	1	47	12	74	0.3	28	18	644	5.47	13	5	0	3	65	1	2	2	105	0.70	0.097	15	51	1.31	146	0.13	9	2.15	0.02	0.20	1	1				662.968	463.202

58490	M	1	69	333	84	0.9	28	34	430	6.16	211	5	0	19	112	2	2	2	89	1.13	0.117	28	49	0.82	47	0.13	6	1.19	0.03	0.13	3	12	3.93	31.20	22.0	664.612	463.354
58491	M	1	50	25	86	0.2	26	15	621	4.07	19	5	0	2	58	1	2	2	76	0.67	0.081	11	48	1.34	100	0.12	7	2.22	0.02	0.15	1	1				664.612	463.354
58492	M	1	57	13	55	0.2	23	25	420	5.10	22	5	1	10	59	1	3	2	82	0.95	0.078	20	40	0.71	24	0.15	17	1.18	0.02	0.07	3	24	3.19	21.50	18.2	682.950	458.372
58493	M	1	52	16	93	0.2	23	14	664	4.30	11	5	0	2	41	1	2	2	95	0.80	0.073	9	42	1.21	56	0.15	7	2.31	0.02	0.09	1	5				682.950	458.372
58494	M	1	62	30	93	0.6	32	25	572	6.84	67	5	0	13	74	1	4	2	69	1.08	0.104	23	41	0.79	49	0.12	10	1.11	0.04	0.12	23	29	1.98	13.70	12.5	742.079	477.997
58495	M	1	35	15	97	0.4	18	11	772	4.39	11	5	0	9	51	1	2	2	68	0.67	0.087	11	26	1.27	91	0.10	4	2.31	0.04	0.15	1	6				742.079	477.997
58496	M	2	59	14	67	0.3	137	47	525	6.46	48	5	1	12	53	1	5	2	53	0.72	0.090	19	58	2.27	46	0.11	8	0.86	0.02	0.12	31	350	4.00	31.20	27.2	746.449	476.831
58497	M	1	40	14	82	0.2	39	13	584	3.92	6	5	0	3	46	1	2	2	76	0.70	0.080	12	45	1.30	112	0.13	6	2.02	0.02	0.17	1	3				746.449	476.831
58498	M	2	138	62	171	0.8	67	60	714	16.22	201	5	0	14	49	1	10	2	82	0.70	0.125	28	47	0.58	52	0.08	11	0.94	0.02	0.08	1	580	2.39	13.40	10.3	732.700	457.581
58499	M	1	35	18	126	0.2	22	11	786	4.70	16	5	0	2	43	1	2	3	62	0.62	0.072	10	33	1.15	69	0.06	6	2.22	0.02	0.08	1	2				732.700	457.581
58500	M	4	188	49	196	0.7	91	89	788	17.72	203	5	0	10	61	2	12	2	73	0.58	0.121	20	74	0.95	63	0.07	7	1.03	0.02	0.08	1	48	1.46	10.10	9.2	746.106	454.360
59501	M	1	45	24	90	0.4	378	46	823	6.97	39	5	0	14	59	1	6	2	37	0.61	0.120	25	62	6.57	36	0.04	7	0.55	0.01	0.09	5	175	2.45	19.50	19.1	703.272	329.292
59502	M	1	39	20	89	0.3	105	18	672	4.03	16	6	0	6	47	1	2	2	54	0.53	0.098	18	60	2.01	102	0.07	5	1.70	0.01	0.13	2	5				703.272	329.292
59503	M	1	37	9	81	0.3	507	57	905	6.78	26	5	0	11	55	1	7	2	26	0.49	0.135	19	59	9.68	27	0.02	5	0.37	0.01	0.06	2	62	8.88	59.00	57.7	725.630	361.529
59504	M	1	53	15	96	0.3	175	26	871	4.77	16	5	0	3	64	1	2	2	70	0.69	0.127	15	74	3.22	120	0.09	6	1.91	0.02	0.13	1	7				725.630	361.529
59505	M	1	68	31	101	0.5	166	42	625	8.40	80	5	0	17	76	1	4	2	56	0.92	0.105	44	60	2.31	39	0.07	6	0.94	0.02	0.07	3	985	2.26	8.20	7.9	726.511	360.179
59506	M	1	40	23	119	0.4	49	14	742	3.69	19	5	0	4	53	1	2	2	52	0.72	0.070	18	54	1.09	89	0.07	6	2.02	0.02	0.11	1	4				726.511	360.179
59507	M	1	75	33	111	0.4	129	45	736	9.85	94	5	0	20	77	1	2	2	54	0.98	0.099	48	62	1.57	47	0.07	5	1.15	0.02	0.08	28	42	3.38	14.30	13.5	730.817	369.916
59508	M	1	37	23	124	0.4	50	13	872	4.01	24	5	0	6	61	1	2	2	45	0.77	0.072	22	56	0.99	98	0.07	10	2.35	0.02	0.16	1	5				730.817	369.916
59509	M	1	34	31	69	0.3	49	19	569	4.72	37	5	0	21	110	1	2	2	45	1.46	0.095	56	64	0.71	39	0.10	5	1.42	0.02	0.10	11	6	1.89	7.60	7.4	729.046	370.517
59510	M	1	35	21	104	0.4	48	14	947	4.00	20	5	0	6	56	1	2	2	44	0.80	0.063	24	64	0.98	106	0.07	7	2.48	0.02	0.15	1	3				729.046	370.517
59511	M	1	57	18	69	0.4	37	27	453	5.97	29	5	0	14	84	1	3	2	105	1.56	0.078	24	51	0.84	74	0.17	11	1.44	0.03	0.08	1	24	1.70	10.30	9.0	661.248	329.561
59512	M	1	51	12	89	0.3	26	14	682	4.15	8	5	0	3	94	1	2	3	91	1.96	0.086	13	38	1.35	109	0.13	13	2.25	0.03	0.12	1	3				661.248	329.561
59513	M	1	48	13	58	0.3	30	23	428	5.26	18	5	0	14	81	1	2	3	108	1.84	0.079	20	52	0.76	46	0.16	13	1.45	0.03	0.08	1	485	2.45	9.20	8.1	660.284	336.713
59514	M	1	50	12	82	0.4	22	13	595	3.88	7	5	0	2	80	1	2	2	88	4.15	0.078	10	37	1.05	87	0.13	6	2.08	0.02	0.08	1	1				660.284	336.713

59515	M	2	54	12	63	0.3	29	23	454	5.28	16	5	0	8	72	1	2	2	117	1.61	0.070	15	52	0.82	51	0.18	14	1.57	0.03	0.08	1	22	1.63	10.30	9.8	658.803	336.382
59516	M	1	55	12	92	0.3	26	15	693	4.52	7	5	0	3	59	1	2	2	103	1.23	0.085	12	40	1.25	101	0.15	7	2.44	0.03	0.10	1	1				658.803	336.382
59517	M	1	48	14	64	0.2	29	25	437	5.54	15	5	0	11	92	1	2	2	118	1.70	0.090	21	52	0.75	62	0.16	15	1.60	0.03	0.09	1	405	1.43	8.00	7.3	657.247	342.373
59518	M	1	68	24	132	0.3	28	17	805	4.80	9	5	0	2	74	1	2	3	98	1.33	0.087	14	48	1.14	172	0.14	9	2.99	0.02	0.13	1	3				657.247	342.373
59519	M	2	58	12	71	0.4	31	24	474	5.62	14	5	1	10	79	1	2	2	130	1.91	0.072	18	58	0.89	54	0.18	14	1.79	0.04	0.10	1	28	1.96	11.50	11.0	656.206	342.479
59520	M	1	57	14	91	0.4	26	15	661	4.72	8	5	0	2	55	1	2	2	108	1.14	0.086	11	41	1.23	92	0.15	9	2.41	0.03	0.10	1	3				656.206	342.479
59521	M	1	32	11	63	0.4	24	16	459	4.21	7	5	1	8	65	1	2	2	98	1.49	0.062	15	53	0.84	39	0.17	13	1.45	0.03	0.09	1	15	2.81	11.00	10.1	647.577	352.301
59522	M	1	63	12	84	0.4	19	10	441	2.97	5	5	0	1	87	1	2	2	64	7.12	0.071	11	32	0.75	67	0.10	10	1.98	0.02	0.07	1	1				647.577	352.301
59523	M	1	66	12	73	0.4	31	23	536	5.62	12	5	0	7	84	1	2	3	130	1.79	0.071	14	63	0.97	53	0.18	18	1.87	0.03	0.08	1	2	1.37	6.20	5.9	657.214	359.725
59524	M	1	68	19	109	0.4	27	19	894	4.86	7	5	0	2	63	1	2	2	104	1.20	0.084	12	47	1.24	106	0.15	10	2.76	0.02	0.08	1	2				657.214	359.725
59525	M	1	21	12	62	0.3	22	11	491	3.29	8	5	0	28	109	1	2	2	67	1.39	0.099	69	45	0.70	44	0.18	9	1.18	0.04	0.13	4	130	2.42	16.00	14.5	785.943	333.101
59526	M	1	22	13	79	0.1	19	7	436	2.55	7	5	0	3	49	1	2	3	50	1.28	0.057	13	41	0.61	75	0.08	7	1.07	0.02	0.10	1	3				785.943	333.101
59527	M	1	67	19	58	0.7	47	57	914	7.46	33	5	0	97	88	1	2	2	86	1.37	0.126	369	54	0.85	77	0.28	7	1.30	0.05	0.15	1	54	3.19	16.40	11.8	759.630	316.398
59528	M	1	25	9	49	0.3	22	13	448	6.26	5	5	0	15	34	1	2	2	101	0.48	0.075	37	36	0.70	101	0.11	4	1.20	0.02	0.18	2	4				759.630	316.398
59529	M	1	67	24	60	0.9	37	53	843	7.08	33	5	0	143	112	1	3	3	80	1.39	0.134	295	46	0.67	53	0.23	5	1.07	0.03	0.12	9	420	2.09	23.70	14.4	753.434	315.533
59530	M	1	19	9	47	0.2	15	8	331	2.97	4	6	0	9	34	1	2	2	47	0.51	0.059	22	25	0.55	54	0.07	4	0.81	0.02	0.10	1	4				753.434	315.533
59531	M	3	118	53	190	0.9	102	44	1138	12.58	65	5	0	40	87	1	3	3	74	1.15	0.135	102	73	0.95	115	0.15	10	1.47	0.04	0.18	4	38	1.47	8.90	8.1	742.669	313.000
59532	M	1	38	24	85	0.3	40	12	550	3.80	11	6	0	9	46	1	2	2	43	0.51	0.066	25	39	0.81	134	0.07	7	1.68	0.02	0.21	2	5				742.669	313.000
59533	M	2	104	46	159	0.7	104	45	1014	12.96	70	5	1	32	77	1	3	3	65	1.05	0.136	70	76	1.02	106	0.12	3	1.51	0.04	0.17	9	310	2.06	7.90	7.4	736.641	324.013
59534	M	1	32	20	71	0.4	42	12	536	3.50	9	5	0	8	39	1	2	2	33	0.41	0.053	24	40	0.79	110	0.06	6	1.67	0.02	0.18	1	5				736.641	324.013
59535	M	2	94	29	63	0.9	41	85	933	9.29	45	5	0	165	91	1	3	3	85	1.13	0.132	437	43	0.62	55	0.27	5	0.98	0.03	0.09	1	79	1.86	18.20	9.1	761.950	329.081
59536	M	1	15	8	31	0.2	10	7	335	2.25	5	6	0	7	22	1	2	3	35	0.29	0.049	16	19	0.53	53	0.06	2	0.76	0.02	0.09	1	1				761.950	329.081
59537	M	2	183	40	80	2.9	49	112	738	14.99	77	5	6	165	132	1	4	2	106	0.86	0.104	188	48	0.58	69	0.15	9	1.25	0.01	0.06	1	325	1.92	16.50	9.6	750.114	366.012
59538	M	1	23	13	58	0.1	13	8	572	2.64	6	5	0	5	20	1	2	2	41	0.20	0.038	13	25	0.81	71	0.05	4	1.17	0.01	0.06	1	6				750.114	366.012
59539	M	2	121	80	101	1.2	54	98	750	13.36	152	5	0	188	144	1	3	4	92	1.04	0.094	285	55	0.79	57	0.17	13	1.34	0.03	0.08	3	345	1.80	14.50	9.2	748.720	367.103
59540	M	1	18	22	56	0.1	15	7	563	2.25	9	7	0	11	21	1	2	2	31	0.20	0.033	17	24	0.59	64	0.04	4	0.92	0.01	0.07	1	1				748.720	367.103
59541	M	2	185	26	80	0.6	37	79	791	11.18	53	5	1	19	210	1	5	2	116	1.29	0.084	32	51	0.73	61	0.15	11	1.57	0.01	0.07	1	2875	2.33	12.10	10.0	761.466	396.546
59542	M	1	90	20	117	0.3	23	22	1364	5.20	12	5	0	1	54	1	2	3	85	0.52	0.089	13	51	1.32	134	0.09	4	2.33	0.01	0.09	1	23				761.466	396.546
59543	M	2	213	27	75	0.7	57	116	561	14.01	80	5	1	23	151	1	4	2	111	1.06	0.082	47	63	0.75	52	0.12	8	1.30	0.01	0.08	1	165	2.08	15.10	13.5	762.323	398.377
59544	M	1	88	18	106	0.3	33	23	956	5.44	16	5	0	2	56	1	2	2	90	0.58	0.084	11	74	1.76	109	0.11	6	2.54	0.01	0.10	1	21				762.323	398.377
59545	M	3	291	42	86	0.9	61	146	582	19.77	165	5	1	10	143	1	10	2	124	0.94	0.093	13	48	0.51	61	0.10	10	1.25	0.01	0.07	2	2085	3.32	22.80	16.6	749.788	391.077
59546	M	1	98	19	111	0.7	23	20	1083	5.25	22	5	0	2	52	1	2	4	83	0.54	0.093	14	41	1.11	135	0.08	4	3.02	0.01	0.11	1	25				749.788	391.077
59547	M	2	295	31	74	1.1	48	120	810	14.22	76	5	0	8	136	1	6	3	117	0.91	0.110	12	44	0.65	111	0.11	7	1.17	0.01	0.07	1	610	3.33	22.60	17.7	746.720	391.751
59548	M	1	105	14	97	0.5	22	23	1034	5.75	12	5	0	2	67	1	2	2	98	0.60	0.092	11	43	1.43	127	0.10	5	2.19	0.01	0.08	1	36				746.720	391.751
59549	M	1	52	13	68	0.2	37	27	446	5.76	20	5	0	10	97	1	3	2	94	1.02	0.077	19	67	0.85	48	0.14	8	1.23	0.02	0.06	1	48	2.57	12.40	11.8	638.017	379.070
59550	M	1	38	19	111	0.4	33	13	638	4.07	9	5	0	3	56	1	2	2	90	0.83	0.069	11	52	1.21	100	0.14	6	2.44	0.02	0.09	1	1				638.017	379.070
59551	M	1	61	17	78	0.5	320	45	678	6.40	29	5	1	11	58	1	4	2	47	0.63	0.087	17	56	5.25	27	0.09	8	0.70	0.01	0.07	5	235	4.57	25.70	23.3	714.396	470.093
59552	M	1	37	9	87	0.2	60	14	638	4.37	11	5	0	3	42	1	2	2	70	0.56	0.076	9	37	1.79	72	0.11	6	2.07	0.02	0.12	1	2				714.396	470.093
59553	M	[illegible]	65	17	[illegible]	0.2	25	27	611	7.15	79	5	0	9	117	1	4	2	83	1.20	0.093	74	47	0.85	41	0.17	17	1.40	0.03	0.09	1	70	1.66	5.20	5.0	714.017	466.372

59555	M	1	44	11	84	0.1	314	36	700	5.79	20	5	0	8	57	1	2	2	50	0.64	0.084	13	60	5.26	28	0.09	8	0.81	0.01	0.06	1	6	3.18	16.10	15.9	715.271 466.008
59556	M	1	43	13	100	0.2	80	16	676	4.62	8	5	0	3	43	1	2	2	76	0.56	0.073	9	44	2.06	77	0.12	6	2.19	0.03	0.12	1	3				715.271 466.008
59557	M	1	58	17	86	0.4	28	18	518	5.76	22	5	0	5	78	1	2	2	88	1.14	0.079	15	50	0.87	28	0.16	24	1.40	0.03	0.05	1	14	1.55	8.5	8.0	712.194 452.155
59558	M	1	56	16	115	0.3	32	16	760	4.99	10	5	0	4	40	1	2	2	105	0.70	0.077	9	50	1.41	75	0.17	8	2.61	0.03	0.11	1	1				712.194 452.155
59559	M	1	36	130	94	0.3	512	53	933	7.35	30	5	0	3	35	1	7	2	27	0.38	0.059	6	75	10.11	20	0.04	7	0.42	0.01	0.05	1	3650	4.40	18.2	17.8	714.096 450.216
59560	M	1	40	15	105	0.1	66	16	831	5.14	14	5	0	4	42	1	2	2	73	0.53	0.083	9	39	1.99	91	0.10	8	2.48	0.03	0.14	1	1				714.096 450.216
59562	M	1	101	43	192	1.3	34	14	1068	4.09	26	5	0	2	112	2	2	2	54	1.95	0.092	16	31	0.91	235	0.06	10	3.21	0.02	0.20	1	1				715.732 453.026
59563	M	1	55	18	105	0.4	47	17	627	7.18	18	5	0	3	93	1	3	3	86	1.16	0.059	11	58	1.23	28	0.14	31	1.67	0.02	0.05	4	25	3.66	5.4	5.3	712.059 442.375
59564	M	1	57	19	143	0.4	26	14	1013	5.24	9	5	0	3	48	1	2	3	86	0.93	0.069	9	49	1.45	73	0.13	9	3.04	0.02	0.09	1	1				712.059 442.375
59565	M	1	66	31	101	0.4	139	37	599	7.55	44	5	0	5	98	1	4	2	65	1.00	0.111	20	45	2.27	45	0.14	7	1.08	0.02	0.08	1	12	1.84	10.2	9.4	716.780 440.135
59566	M	1	44	19	117	0.3	25	13	715	4.09	13	5	0	2	71	1	2	2	62	0.88	0.076	11	31	1.11	101	0.10	6	2.17	0.03	0.13	1	1				716.780 440.135
59567	M	1	61	12	93	0.4	28	20	529	6.17	19	5	0	4	64	1	2	3	98	1.05	0.078	13	55	0.85	28	0.16	23	1.43	0.02	0.04	1	119	3.04	15.3	14.0	704.450 448.428
59568	M	1	55	13	111	0.2	30	15	794	5.22	8	5	0	4	39	1	2	2	106	0.71	0.083	8	46	1.54	68	0.17	8	2.68	0.03	0.10	1	1				704.450 448.428
59569	M	1	30	16	100	0.3	583	58	1036	7.51	25	5	1	2	32	1	6	3	23	0.34	0.054	6	82	11.83	21	0.03	8	0.36	0.01	0.03	1	6	5.59	23.1	22.9	717.015 430.400
59570	M	1	49	21	119	0.1	147	21	917	4.96	17	5	0	3	55	1	2	2	66	0.69	0.087	11	70	2.83	104	0.09	10	2.33	0.02	0.10	1	4				717.015 430.400
59571	M	1	19	6	93	0.2	601	53	1031	6.61	12	5	0	2	28	1	4	2	18	0.32	0.054	5	86	12.35	13	0.02	7	0.32	0.01	0.05	1	14	4.94	21.7	21.5	714.746 430.145
59572	M	1	43	18	115	0.3	214	24	837	4.85	12	5	0	5	61	1	2	2	62	0.73	0.099	11	87	3.66	88	0.10	10	2.14	0.02	0.12	1	1				714.746 430.145
59573	M	1	47	12	68	0.3	91	20	461	4.95	15	5	0	4	112	1	2	2	86	1.13	0.039	9	47	1.61	20	0.15	13	1.45	0.02	0.04	1	3	3.49	12.0	11.7	710.792 423.289
59574	M	1	56	19	125	0.2	32	15	797	4.98	10	5	1	3	64	1	2	2	109	0.95	0.055	8	58	1.32	65	0.18	7	3.08	0.02	0.06	1	2				710.792 423.289
59575	M	1	13	6	100	0.2	689	60	1164	7.07	11	5	1	2	15	1	5	2	11	0.22	0.036	3	88	14.37	12	0.01	8	0.22	0.01	0.04	1	4	10.89	45.4	45.2	711.108 420.040
59576	M	1	36	14	97	0.1	303	29	768	4.75	12	5	0	3	80	1	2	2	46	0.69	0.158	13	103	5.16	68	0.08	9	1.66	0.01	0.09	1	1				711.108 420.040
59577	M	1	32	15	91	0.2	321	38	757	5.92	37	5	0	2	35	1	2	2	29	0.44	0.076	9	59	5.84	20	0.04	7	0.49	0.01	0.03	1	8	4.76	17.9	17.6	704.033 406.736
59578	M	1	48	20	160	0.3	74	17	834	4.65	19	5	0	3	46	1	2	2	61	0.62	0.086	12	48	1.91	74	0.09	6	2.41	0.02	0.12	1	1				704.033 406.736
59579	M	1	71	17	73	0.3	116	45	527	7.05	32	5	0	7	72	1	2	2	82	0.89	0.093	20	53	1.87	30	0.12	7	0.98	0.02	0.05	1	20	2.53	15.5	13.4	681.142 458.325
59580	M	1	45	18	115	0.1	32	16	653	5.55	10	5	0	5	49	1	2	2	116	0.70	0.077	11	60	1.33	66	0.13	10	2.15	0.03	0.09	1	1				681.142 458.325
59581	M	2	90	19	145	0.6	58	36	806	7.66	48	8	0	18	160	1	3	3	85	1.46	0.120	42	49	1.31	67	0.20	12	1.76	0.03	0.11	1	20	1.66	5.7	5.3	788.031 445.671
59582	M	1	52	14	205	0.3	30	15	998	4.62	14	5	0	4	77	2	2	3	70	1.17	0.100	11	41	1.49	122	0.09	11	2.48	0.02	0.19	1	1				788.031 445.671
59583	M	2	220	33	102	0.9	52	77	616	13.44	122	7	0	11	137	1	7	2	98	1.01	0.120	27	50	0.85	69	0.14	10	1.46	0.02	0.09	1	1315	2.53	12.2	10.9	791.201 442.769
59584	M	1	80	14	92	0.2	26	18	688	5.22	21	5	0	4	53	1	2	2	76	0.52	0.091	11	41	1.49	93	0.11	7	2.27	0.03	0.13	1	7				791.201 442.769
59585	M	3	317	45	105	1.1	53	97	610	16.96	150	5	0	7	141	1	8	2	104	0.91	0.128	18	46	0.74	75	0.11	11	1.41	0.02	0.06	1	51	1.96	11.7	10.8	782.742 436.573
59586	M	1	109	15	96	0.4	23	19	736	5.61	19	5	0	4	56	1	2	2	77	0.54	0.097	12	37	1.40	102	0.09	10	2.29	0.02	0.11	1	5				782.742 436.573
59587	M	3	171	41	117	0.9	52	89	619	16.40	140	5	0	11	139	1	7	2	112	0.98	0.113	27	60	0.71	53	0.16	13	1.35	0.02	0.06	4	60	1.69	13.1	10.0	783.172 430.994
59588	M	1	56	16	127	0.3	34	18	859	4.88	19	5	0	3	52	1	2	2	72	0.62	0.083	10	59	1.44	111	0.09	8	2.46	0.02	0.12	1	2				783.172 430.994
59589	M	3	350	36	92	18.0	64	134	494	19.48	139	5	88	5	152	1	10	2	110	0.85	0.117	12	44	0.57	59	0.11	14	1.35	0.02	0.05	1	24750	1.39	8.6	7.3	762.075 432.180
59590	M	1	141	21	98	0.3	25	18	963	5.24	19	5	1	3	56	1	2	2	75	0.52	0.106	13	37	1.21	131	0.09	11	2.49	0.02	0.10	1	6				762.075 432.180
59591	M	3	315	40	104	0.6	66	122	419	20.43	193	5	0	5	82	1	8	2	97	0.58	0.113	10	49	0.71	45	0.09	7	1.30	0.01	0.05	1	51	2.86	11.7	11.3	762.009 434.356
59592	M	1	113	17	125	0.3	29	21	573	6.04	30	5	0	4	46	1	2	3	77	0.48	0.096	10	39	1.34	103	0.09	8	2.81	0.02	0.10	1	4				762.009 434.356
59593	M	3	204	53	149	2.1	52	100	702	18.65	162	5	5	6	143	2	11	2	111	0.85	0.102	14	64	0.67	60	0.12	12	1.40	0.01	0.05	1	7530	1.54	9.3	8.0	776.472 417.264
59594	M	1	66	22	183	0.3	34	21	1305	5.57	27	5	0	3	52	2	3	2	79	0.56	0.085	12	70	1.71	163	0.07	6	2.94	0.01	0.12	1	15				776.472 417.264
59595	M	3	210	29	104	0.7	50	74	629	12.83	114	5	0	9	138	1	5	2	94	1.04	0.121	28	50	0.77	64	0.14	12	1.44	0.02	0.07	1	37	2.13	12.7	11.3	800.387 452.147
59596	M	1	65	10	98	0.2	31	15	806	4.88	16	5	0	4	54	1	2	2	75	0.58	0.099	10	48	1.62	103	0.11	4	2.41	0.03	0.14	1	3				800.387 452.147

59597	M	1	26	13	62	0.5	18	12	442	3.71	15	6	0	19	82	1	2	2	71	1.20	0.124	73	41	0.63	29	0.18	4	0.91	0.03	0.06	15	12	3.53	18.5	16.6	797.428	470.322
59598	M	1	19	16	90	0.1	14	7	443	2.52	9	5	1	4	47	1	2	3	48	0.58	0.071	16	25	0.59	61	0.07	12	1.08	0.03	0.09	2	3				797.428	470.322
59599	M	1	34	64	57	0.7	21	17	465	4.31	20	6	0	13	109	1	2	2	79	1.61	0.105	48	43	0.76	42	0.18	6	1.14	0.04	0.07	1	42	1.80	10.4	9.2	630.852	317.581
59600	M	1	30	21	76	0.3	12	6	658	2.07	12	5	1	1	182	1	2	2	36	9.19	0.085	8	19	0.56	92	0.05	21	1.13	0.03	0.08	2	1				630.852	317.581
59601	M	1	51	18	131	0.3	33	17	717	5.38	29	5	0	2	42	1	3	2	62	0.53	0.083	14	51	1.35	92	0.06	5	2.44	0.01	0.10	1	5				746.106	454.360
59602	M	2	128	45	103	0.8	48	76	558	11.94	202	5	0	22	82	1	4	2	78	1.00	0.105	33	36	0.62	49	0.12	5	0.99	0.03	0.06	5	550	2.00	13.2	10.7	760.302	463.667
59603	M	1	36	20	92	0.3	19	12	687	3.90	23	5	0	3	57	1	2	3	66	0.96	0.074	10	30	1.07	90	0.08	9	2.09	0.03	0.14	1	1				760.302	463.667
59604	M	1	84	26	84	0.7	44	42	588	7.73	103	5	0	9	96	1	3	4	72	1.20	0.103	30	37	0.93	42	0.13	9	1.14	0.03	0.09	6	26	1.68	10.2	9.3	758.183	478.751
59605	M	1	37	21	91	0.3	19	11	721	3.81	23	5	0	3	60	1	2	2	67	0.93	0.079	10	29	1.04	98	0.08	9	2.00	0.03	0.15	1	2				758.183	478.751
59607	M	1	32	18	105	0.4	22	11	860	4.30	27	5	1	2	41	1	2	4	54	0.60	0.059	10	30	1.12	106	0.06	8	2.34	0.02	0.11	1	8				776.446	466.863
59608	M	1	56	18	96	0.4	53	16	833	4.89	19	5	0	3	58	1	2	2	75	0.74	0.087	14	58	1.51	148	0.08	7	2.65	0.02	0.15	1	3				709.947	370.156
59609	M	1	47	15	60	0.3	207	40	589	6.15	44	5	0	3	75	1	4	2	48	0.76	0.100	13	56	3.34	41	0.07	5	0.72	0.02	0.05	3	16	3.44	10.8	10.5	709.947	370.156
59610	M	1	54	21	106	0.4	32	17	984	5.02	18	5	0	3	49	1	2	2	70	0.67	0.083	12	45	1.39	125	0.06	8	2.59	0.02	0.14	1	61				714.966	381.497
59611	M	1	116	39	100	3.3	217	77	760	12.79	129	5	5	4	95	1	8	3	67	0.83	0.088	12	54	3.34	49	0.08	5	1.00	0.02	0.05	1	630	1.44	8.7	8.5	714.966	381.497
59612	M	1	53	20	113	0.3	28	17	883	4.94	18	5	0	2	44	1	2	2	65	0.52	0.080	12	46	1.31	126	0.06	10	2.64	0.02	0.11	1	2				715.098	383.288
59613	M	2	166	47	107	0.8	76	88	645	16.92	178	5	0	4	133	1	7	2	92	0.99	0.104	15	65	1.08	75	0.11	13	1.38	0.03	0.06	2	455	1.59	5.3	5.1	715.098	383.288
59614	M	1	44	21	99	0.3	103	19	762	4.39	22	5	1	6	54	1	2	2	58	0.57	0.098	19	65	2.02	126	0.07	9	1.94	0.02	0.18	1	4				705.004	340.254
59615	M	1	52	26	96	0.4	422	58	883	8.46	55	5	0	9	48	1	4	2	32	0.48	0.096	19	61	7.84	30	0.03	4	0.43	0.01	0.04	1	26	6.19	22.9	22.3	705.004	340.254
59617	M	1	53	43	161	0.3	27	11	670	3.30	8	5	0	2	65	1	2	2	65	1.12	0.120	13	32	0.80	95	0.09	10	2.27	0.03	0.10	1	1				622.044	349.043
59618	M	1	121	37	103	0.6	102	66	664	12.15	126	5	0	6	150	1	9	2	84	1.16	0.107	18	68	1.68	72	0.13	13	1.47	0.04	0.07	1	55	0.71	4.7	4.5	712.762	380.515
59619	M	1	55	21	123	0.3	32	17	900	4.94	18	5	0	3	52	1	2	2	67	0.63	0.084	13	50	1.37	133	0.06	6	2.71	0.02	0.11	1	3				712.762	380.515
59620	M	1	26	10	84	0.2	384	42	848	6.39	26	5	0	2	30	1	3	2	24	0.38	0.061	6	55	7.26	20	0.03	8	0.44	0.01	0.01	1	13	2.84	17.5	17.2	710.965	380.290
59621	M	1	34	17	110	0.2	68	14	671	4.37	14	5	1	3	48	1	2	4	58	0.57	0.075	11	46	1.65	80	0.08	12	2.33	0.02	0.11	1	1				710.965	380.290
59622	M	3	235	60	113	1.7	67	122	590	23.48	279	5	2	4	108	1	10	3	101	0.76	0.107	13	53	0.67	83	0.10	11	1.29	0.02	0.06	41	4805	1.36	8.1	7.6	720.474	392.321
59623	M	1	68	23	108	0.2	30	21	1368	5.17	23	5	0	2	52	1	2	2	69	0.61	0.096	15	43	1.24	168	0.06	7	2.92	0.02	0.13	1	4				720.474	392.321
59624	M	1	126	47	114	0.9	81	78	652	15.68	166	5	0	15	151	1	9	2	90	1.17	0.114	22	100	1.33	96	0.15	12	1.35	0.07	0.09	1	45	0.78	4.5	4.2	719.121	392.827
59625	M	1	59	20	127	0.6	29	17	1182	5.07	19	5	0	1	53	1	3	2	61	0.62	0.085	15	52	1.32	156	0.05	4	2.85	0.02	0.10	1	56				719.121	392.827
59626	M	1	37	23	126	0.5	24	13	691	4.05	8	5	0	2	87	1	2	2	71	0.88	0.108	20	40	1.05	178	0.12	16	2.30	0.04	0.16	1	4				629.115	395.485
59627	M	2	50	17	109	0.7	38	38	564	8.03	41	5	0	8	160	1	2	2	101	1.48	0.158	38	61	0.98	126	0.17	18	1.45	0.08	0.10	3	455	2.83	10.2	9.2	629.115	395.485
59628	M	1	42	13	164	0.3	26	13	687	4.86	9	5	0	1	54	1	3	2	96	0.86	0.102	13	40	1.37	89	0.14	8	2.32	0.03	0.09	1	2				623.118	392.073
59629	M	1	45	18	125	0.5	33	22	558	6.20	26	5	0	12	112	1	2	17	96	1.36	0.113	40	61	0.89	61	0.16	12	1.34	0.04	0.08	1	6	2.28	12.4	11.6	623.118	392.073

59630 M 1 31 15 98 0.4 59629 M 1 45 18 125 0.5 33 22 558 6.20 26 5 0 12 112 1 2 17 96 1.36 0.113 40 61 0.89 61 0.16 12 1.34 0.04 0.08 1 6 2.2
8 12.4 11.6 623.118 392.073

59630	M	1	31	15	98	0.4	27	12	572	4.26	4	5	0	1	55	1	3	2	89	0.75	0.075	13	47	1.26	97	0.13	7	2.15	0.03	0.10	1	1				628.127	388.760
59631	M	1	29	11	65	0.4	29	21	438	4.60	11	5	0	7	90	1	2	2	82	1.13	0.091	30	56	0.83	51	0.14	11	1.06	0.04	0.05	1	8	2.71	15.7	14.1	628.127	388.760
59632	M	1	14	7	42	0.2	9	6	258	2.69	2	5	0	2	29	1	2	2	66	0.41	0.062	11	23	0.43	59	0.07	2	0.77	0.03	0.08	2	2				662.540	481.324
[illegible]																																					

59634	M	1	28	16	49	0.2	14	7	479	2.69	3	5	0	1	63	1	2	2	61	0.73	0.052	9	29	0.82	87	0.09	6	1.36	0.02	0.11	1	1				680.690	477.261
59635	M	1	35	17	36	0.3	16	10	364	6.08	10	5	0	7	130	1	2	2	126	1.10	0.062	19	44	0.70	54	0.16	5	1.14	0.02	0.15	2	11	4.46	18.9	17.6	680.690	477.261

Notes: 1. heavy mineral samples are those which have information in the 4th, 3rd, and 2nd last columns
2. heavy mineral samples were unobtainable in some locations due to insufficient material at the sample site