



42A06NW2026 2.21079 GODFREY

010

Summary Report
of
Fugro MegaTEM® Survey
Timmins West Area
by
GeoCal Exploration Services

RECEIVED
JUL 3 1 2001
GEOSCIENCE ASSESSMENT
OFFICE

2.21079

RECEIVED
JUL 3 9 2001^C
9:45
MLC OFFICE
PORCUPINE MINING DIVISION

Robert F. Calhoun, P.Geol.

June 2001

Table of Contents

	page
Summary	i
1.0 Introduction	1
2.0 Location and Access	2
3.0 Regional Geology	2
4.0 Airborne Survey Discussion	3
4.1 Denton Township - A, A1, B, C	3
4.2 Bristol Township - G	4
4.3 Godfrey Township - H, I	4
4.4 Turnbull Township - J, K	5
4.5 Carscallen Township - D, E, F, L, M, N, O	5
4.6 Whitesides/Carscallen Township - P	6
5.0 Conclusions and Recommendations	7
Maps	
Location Map	
Property Disposition with Flight Lines	1:40,000
AEM Anomaly Map	1:40,000
Appendix I	
Detailed Description of Located Anomalies	



42A06NW2026 2.21079 GODFREY

010C

Summary

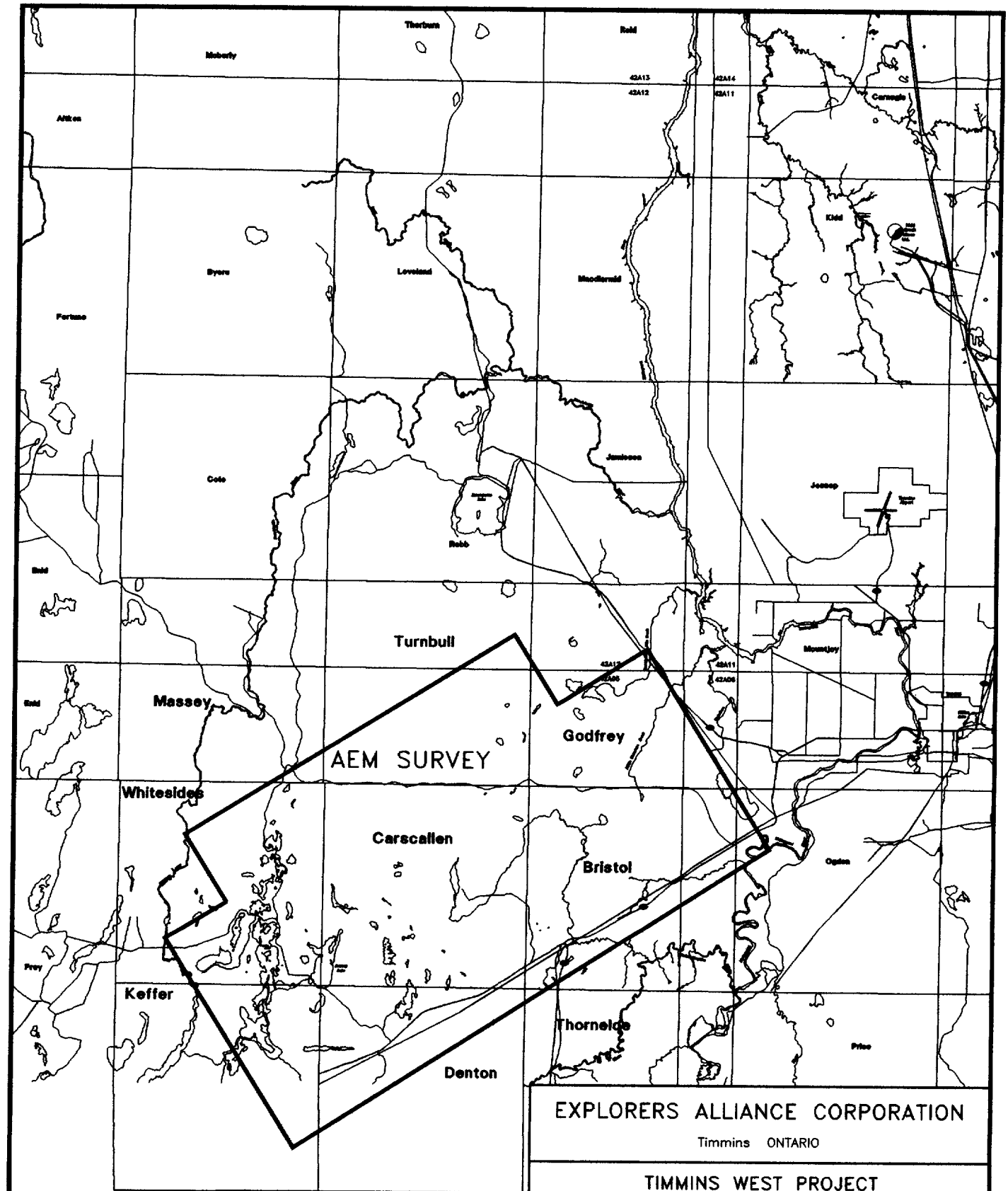
In the fall of 2000, Explorers Alliance Corporation contracted Fugro Airborne Surveys to proceed with a combined electromagnetic and magnetometer survey west of Timmins, Ontario. The survey was flown in two flight directions and was roughly centered in Carscallen township, approximately 35 kilometers from the city center. Employing the MegaTEM® Survey, there were a total of 2345 kilometers of flight lines completed over all (Carscallen) or part of five townships (Whitesides, Turnbull, Denton, Bristol and Godfrey).

As expected, there were a number of anomalies or anomalous trends identified. This is especially true in the Carscallen and Whitesides township section of the survey. Significant exploration has previously been completed in the area with sulfides/iron formations and lesser graphite being the causative source of the anomalies. A complete compilation of the area, a re-ordering of the located anomalies through further filtering and field surveys on anomalies which appear to be untested or poorly tested, should be completed in preparation of continued drill testing of the area.

1.0 Introduction

In the fall of 2000, Fugro Airborne surveys conducted a combined survey over an area 35 kilometers west of Timmins, Ontario. This survey completed on behalf of Explorers Alliance Corporation, employed two flight directions to accommodate the various strike directions of the underlying strata. A total of 2345 line kilometers were flown with 1023 line kilometers within the boundaries of claims owned or optioned by Explorers Alliance.

The area was previously flown by the Ontario Geological Survey in 1988 in a north-south direction. A large number of anomalies were located but this survey did not adjust for strike direction. The new survey which was flown SW-NE and SE-NW located all of the previous conductors. The Fugro survey has also located several new conductors and has better defined the anomalous trends. The reader is referred to Appendix I where survey perimeters and anomaly data is located.



EXPLORERS ALLIANCE CORPORATION
 Timmins ONTARIO

TIMMINS WEST PROJECT
 ONTARIO

LOCATION MAP



TRACED:	DATE:	NTS: 42-A/05 - 12	PROJECT:
DRAWN: del DRAFTING	DATE: 26/07/2001	MAP No:	FILE: Airblock
SUPERVISED: R Colhour	DATE:	SCALE 1:250000 (metres)	
REVISED:	DATE:		

2.0 Location and Access

The survey area is located approximately 35 kilometers west of Timmins, Ontario. The survey was roughly centered on Carscallen Township extending to the south into Denton, to the east into Bristol, north into Godfrey/Turnbull and west into Whitesides Townships. The surveyed area is readily accessible by four wheel drive vehicle year-round due to the ongoing forestry operations. These forestry roads are accessed from Highway 101, a paved provincial roadway. Secondary forestry roads and trails provide final property access. The forestry activities in the area have exposed several new outcrop areas which aids in the correlation of the geology.

3.0 Regional Geology

The survey area is underlain by Precambrian metavolcanics, mafic/felsic intrusives, lesser sediments, iron formations, sulfidized horizons and all of the above units are intruded by diabase dykes which have an increased frequency in the eastern survey area. The rock units in the southern section of the survey (Denton and Bristol) are thought to be dominated by mafic to intermediate volcanic and ultramafics. These units are similar to the units which host the mineral deposits (gold) in the Timmins Camp, approximately 35 kilometers to the east. To the north into southern Carscallen and northern Bristol the rock units become dominated by tholeiitic mafic volcanics and ultramafics extending northeast in Bristol and west into Whitesides. The mafics appear to be folded around the "nose" of a felsic intrusive, granite pluton, which continues to the west into Keefer township. North of the mafic formations is a wide section of felsic volcanics, massive flows, agglomerates and breccias. These felsic rocks are part of a large felsic package which dominates the underlying rocks in Carscallen, south east Turnbull and the bulk of Godfrey township within the boundary of the surveyed area. In Turnbull township the volcanic rocks have been terminated by a large mafic intrusive known as the Kamiskotia Complex. There are major structural features regionally which have affected the distribution of the rock units within the surveyed area. In the south, the Destor Porcupine Fault Zone extends through southern Denton township with possible splays or sub-parallel faults known as the McCoshen Shear, Bristol Fault, and the Scott Shear manifested in central to western Denton Township. The intersection of these faults is in the area of a gold occurrence known as the Wakemac Showing. The Mattagami River Fault is a north-northwest trending fault which has created large offsets to the east. Secondary transform faults can be recognized throughout the geological sequence, especially in Whitesides and western Carscallen township. These are associated with the emplacement of the large intrusive complexes. Although no ore deposits are located within the

survey area the rock units and alteration similarities to known deposits to the east in the Timmins camp and northeast (Kidd Creek) lend this area to be highly prospective.

4.0 Airborne Survey

The following will provide some discussion of the survey and the resultant anomalies. Where possible anomaly trends have been indicated but in areas of multiple responses, *areas of conductivity*, have been indicated on the attached map. Two maps, attached, indicate the property distribution with claims numbered, flight lines and a compilation map with the property outlines, flight lines and resultant anomalies. The anomalies have been ranked, indicated by variably filled circles. The survey area is relatively flat making altitude control easier and positioning was controlled by Global Positioning (GPS). The reader is referred to Appendix I for further details of the located anomalies. This data will provide flight direction, channel strength, location and possible depth.

Each anomaly trend or areas of conductive will be discussed separately on the following pages.

4.1 Denton Township - A, A1, B, C

A - A1 -Anomaly A is a short strike length, high quality anomaly located north of a linear cultural anomaly trend (powerline). This anomaly is located near a felsic/mafic contact. There are no known drill holes in this anomaly but pyrite/pyrrhotite sulfides have been identified on the ground. Anomaly A1 is a seven channel anomaly to the north and is a single line anomaly.

B - Anomaly B is better described as an area of conductive but two parallel trends have been identified. These trends up to 1.6kilometers in length have shown good conductivity and are 9-12 channel anomalies. Drilling in the area has located pyrite and pyrrhotite mineralization in near massive zones with anomalous base metal values.

C - Anomaly C, as was the case with B, is a long linear high conductivity anomaly extending over 800 meters. A second single line anomaly in the southeast end of the main trend maybe a fault offset of the main anomaly. This anomaly is associated with pyrite and pyrrhotite sulfides within graphitic argillites.

Although Denton township has been explored mainly for gold because of known showings (Wakemac and Scott) the potential to host massive sulfides and base metals has been shown through drilling. A complete investigation of the identified anomaly trends is warranted.

4.2 Bristol Township - G

G - Anomaly G is a conductive trend with multiple high priority anomalies being identified. Further processing of the anomalies on each flight direction may resolve the trends and provide additional information. Drilling in this area has located pyrite/pyrrhotite sulfides associated with wide sections of felsic to mafic agglomerates and lapilli/block tuffs. Although not indicated as anomaly trends there are several 1-2 channel anomalies in the central to northeast sections of the township. These are associated with felsic to mafic contacts with southwest to northeast trending shear zones hosting quartz veining and lesser sulfides. These low conductivity anomalies may provide a focus for exploration efforts directed at gold deposits.

4.3 Godfrey township - H, I

H - Anomaly H showing good conductivity is best described as an area of conductivity because no clearly identifiable trends are readily indicated. The geology of Godfrey township has been shown as a north-south trending sequence but local variations may be seen on the ground. Previous drilling near this anomalous area has located pyrite/pyrrhotite sulfides and graphitic argillites with variable base metal content.

I - Anomaly I is shown as an area of conductivity, two sub-parallel trends are possible extending over strike lengths of 1.6 kilometers and 800 meters. As stated above the geology of Godfrey Township has been mapped and interpreted as a north-south sequence. The anomaly trends in this area, however, are southwest-northeast. Drilling in this area has located graphitic argillite, pyrite/pyrrhotite sulfides. Some difficulty connecting the drilled geology maybe the result of the drill pattern, mainly east-west, which may be sub-parallel to the strike direction. Several low conductive 1-2 channel anomalies also form parallel trends and may be associated with lower sulfide concentrations or increased low conductance sphalerite mineralization and alteration.

4.4 Turnbull Township - J, K

J - Anomaly J shows a possible conductive trend of high conductivity with a short strike length. There is little exploration activity known in this area but the geology is indicated to be felsic volcanics and mafic/ultramafic contact zones.

K - Anomaly K conductive trend is hard to identify due to the clustering of the anomalies, although drilling in the area indicates a northwest-southeast trending geological sequence. Pyrrhotite is the dominant sulfide located by drilling in the area. Significant pyrite has been intersected with associated copper and zinc occurrences. Further processing of the data may resolve the trend.

There are additional lower conductivity anomalies in the township which have not been categorized. The anomalies west of J are indicating low sulfide content in an area of gold values. At the south boundary of the township, there is a narrow graphitic argillite horizon known from previous drilling.

4.5 Carscallen Township - D, E, F, L, M, N, O

The geology of Carscallen township is very complicated as indicated by ground mapping by several survey parties. The southern section appears to trend northeast with a well defined contact zone between felsic and mafic/ultramafic volcanics with lesser iron formations. The central portion of the township is mainly felsic volcanics with iron formations trending in a northwest to southeast direction.

D - Anomaly D displays a short strike length of 600 meters, with variable conductance. There are known exposures of iron formations and sulfides in the area of this anomaly. Gold values are also known at the Wire Gold Occurrence

E - Anomaly E is also a short strike length trend which is of variable conductance. This anomaly is associated with sulfides and lean iron formation in a felsic-mafic contact zone.

F - Anomaly F again is of short strike length displaying variable conductance. This anomaly occurs on the northeast trending contact area of felsic to mafic/ultramafic volcanics. This anomaly may be an extension of anomaly C in Denton Township. If this is the case, the anomaly is caused by sulfides and graphitic argillite.

L - Anomaly L has an identified conductive trend. This trend, of variable conductance, occurs within an area of conductivity. The anomaly is located in felsic volcanics trending in a northwest direction. There are known mineralized occurrences and iron formations which may be additional causative sources of the anomaly trend.

M, M1, M1 - Anomaly M and M1 is a long, possible formational conductor. There are breaks in the conductivity of the trend, marked by 1-2 channel anomalies. These breaks may be fault zones or changes in mineralization/alteration which may be important in further exploration of this trend. Although not given an anomaly designation, there is a cluster of anomalies on the southeast end of the trend which may be a fault offset from the main anomalies. This may provide a focal point for the accumulation of sulfides forming a significant sulfide deposit.

N- Anomaly N is a short strike length trend corresponding to a known massive sulfides deposit of pyrite/pyrrhotite in highly altered rhyolites. There are anomalous base metal values in the occurrence which is terminated to the west by the Kamiskotia Complex mafic intrusives. The sulfides in this area are east plunging and have not been closed off to the east or down dip. The relative strength of the anomaly shows that, in rhyolites which have high resistivity, the strength of important conductors may be reduced.

O - Anomaly O is a linear anomaly trending in a northwest direction sub-parallel to anomaly M. The conductance in this zone is high in the south central section and weakens to the northeast. The anomaly is in the area of known sulfide and iron formation occurrences. There are multiple low conductance anomalies associated with this trend which may prove to be important in the exploration of the area.

4.6 Whitesides/Carscallen Township - P

P - Anomaly P is shown as an area of conductivity due to the sheer number of anomalies located. There may be, however, a tendency to form shorter strike length parallel conductors in west-northwest trends. This area is shown to be dominated by mafic to ultramafic volcanics but field mapping indicates that there are several fault bounded sections of felsic volcanics along the above mentioned trend. Drilling and mapping in this area has located several lenses of disseminated, semi-massive and massive pyrrhotite sulfides with lesser pyrite. Sulfides of chalcopyrite and nickel bearing pyrrhotite are widespread (i.e. Bean Lake Occurrence). The geology of this area is complicated

due to the proximity of the Kamiskotia Complex and the inter-fingering of the gabbro intrusives into the volcanics. This area presents a good target area for the discovery of a mineable nickel deposit.

5.0 Conclusions and Recommendations

The airborne survey conducted by Fugro Airborne Surveys utilizing MegaTEM® has successfully located a large number of airborne anomalies. Except for the one main cultural feature which extends across the southern portion of the survey area, the remaining anomalies are thought to reflect bedrock conductive zones. The two flight directions have crossed the various strike directions at good angles increasing and more clearly identifying the located anomalies. Single flight surveys previously completed did not produce the same conductive trends. The initial interpretation indicates that the location of the anomalies is good but there may be "shadow" anomalies which require further filtering to better define the anomalous zones. The first pass compilation has also shown many of the anomalies are associated with variable concentrations of sulfide and/or graphitic argillites.

It is therefore recommended that a good deal of time and effort be expended in further compilation of available data. The continued filtering of the airborne should be done with emphasis placed on an attempt to determine the type/shape of the anomalies caused by graphite and sulfides. Ground truthing of the anomalies should also be done to further filter the conductive zones. Diamond drilling of the remaining high priority targets after completion of the above should lead to the discovery of further mineralized horizons.

Respectively submitted,



Robert F. Calhoun, P. Geol.
GeoCal Exploration Services

APPENDIX I

BLOCK 1

AZIMUTH 149/328

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
6	5001	1	59	N	A	65164	139	238	376	591	972	1664	12	119.8	445849	5350406	56	59
6	5001	1	59	N	B	65253	27	41	60	91	146	234	12	120.4	451883	5354083	42	132
6	5001	1	59	S	C	65400	0	1	3	4	6	17	1	124.1	461751	5360118	0	0
6	5001	1	59	C	a	65473	-591	-252	45	140	510	734	6	126.5	466582	5363118	0	0
6	226	1	328	C	a	65616	-5	1	0	-33	-77	-59	1	125.6	466310	5363114	0	0
6	226	1	328	C	b	65626	63	107	187	265	362	578	12	119.8	465945	5363732	0	0
6	226	1	328	C	c	65629	400	438	243	746	911	1714	4	121	465821	5363928	0	0
6	226	1	328	S	A	65640	0	0	0	-1	-2	19	1	123.7	465381	5364619	0	0
6	226	1	328	S	B	65646	0	0	0	2	17	71	1	121	465178	5364958	0	0
6	226	1	328	S	C	65656	3	6	12	18	23	39	1	120.1	464753	5365624	0	0
6	226	1	328	N	D	65666	14	27	49	87	169	387	10	125	464390	5366242	25	164
6	226	1	328	S	E	65683	1	3	6	5	11	31	1	128	463735	5367285	0	0
6	226	1	328	N	F	65699	0	1	1	1	4	17	1	124.1	463134	5368274	0	0
6	226	1	328	N	G	65739	0	0	-1	-4	-9	-9	1	124.4	461641	5370735	0	0
6	225	1	149	N	A	65907	2	4	8	14	20	41	1	134.1	460626	5372046	0	0
6	225	1	149	N	B	65926	4	3	13	16	28	62	1	123.1	461320	5370863	0	0
6	225	1	149	S	C	65975	-1	-3	-5	-6	2	53	1	128	463056	5368005	0	0
6	225	1	149	S	D	65991	1	2	4	5	10	50	1	120.4	463597	5367101	0	0
6	225	1	149	N	E	66007	4	7	14	28	64	164	5	123.7	464180	5366124	0	0
6	225	1	149	N	F	66038	2	5	12	26	58	157	4	113.1	465305	5364364	0	0
6	225	1	149	C	a	66046	48	108	205	378	614	715	8	147.8	465597	5363850	0	0
6	225	1	149	C	b	66049	89	153	288	472	732	1045	11	150.3	465684	5363691	0	0
6	225	1	149	N	G	66064	3	7	18	39	90	206	6	118.3	466210	5362824	9	152
6	224	1	328	C	a	66217	100	160	240	344	482	637	4	147.2	465573	5363565	0	0
6	224	1	328	C	b	66219	39	93	175	292	464	726	12	149.4	465488	5363701	0	0
6	224	1	328	N	A	66235	0	0	0	2	9	46	1	131.7	464860	5364714	0	0
6	224	1	328	S	B	66256	0	0	1	1	5	36	1	128.9	464041	5366037	0	0
6	224	1	328	S	C	66263	1	4	8	14	22	70	1	129.8	463742	5366512	0	0
6	224	1	328	S	D	66286	2	0	0	0	10	10	1	125.6	462884	5367911	0	0
6	223	1	148	S	A	66594	1	1	2	2	1	23	1	118	463153	5367079	0	0
6	223	1	148	N	B	66643	3	9	17	29	46	116	3	128.6	464935	5364203	0	0
6	223	1	148	C	a	66654	15	38	133	240	510	936	10	145.1	465280	5363618	0	0
6	223	1	148	C	b	66656	60	132	243	390	589	855	12	141.7	465343	5363503	0	0
6	222	1	328	C	a	66824	194	284	401	580	873	1381	12	130.8	465177	5363389	0	0
6	222	1	328	C	b	66827	42	48	115	180	325	552	7	135	465074	5363542	0	0
6	222	1	328	N	A	66840	-1	-2	-2	-1	7	38	1	121.9	464585	5364332	0	0
6	222	1	328	N	B	66862	0	0	0	-1	-3	16	1	123.7	463776	5365727	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
6	222	1	328	N	C	66954	3	8	14	23	28	29	1	126.5	460361	5371217	0	0
6	221	1	149	S	A	67146	0	-1	-2	-3	-1	17	1	122.5	460254	5371088	0	0
6	221	1	149	S	B	67162	1	3	5	9	17	40	1	125.3	460842	5370076	0	0
6	221	1	149	S	C	67183	2	4	5	12	8	19	1	125.6	461618	5368769	0	0
6	221	1	149	S	D	67212	0	0	1	-4	-7	-3	1	114.3	462718	5367042	0	0
6	221	1	149	N	E	67236	1	2	5	11	24	57	1	130.5	463544	5365671	0	0
6	221	1	149	S	F	67266	3	6	13	26	59	149	5	124.7	464627	5363943	0	0
6	221	1	149	C	a	67275	22	54	120	264	553	1051	11	135.3	464953	5363408	0	0
6	221	1	149	C	b	67277	152	182	299	387	695	1009	7	135	465007	5363317	0	0
6	220	1	328	C	a	67453	140	219	335	456	739	1393	12	125	464861	5363152	0	0
6	220	1	328	C	b	67455	26	57	196	328	848	1518	12	125	464777	5363283	0	0
6	220	1	328	N	A	67466	33	60	103	175	314	590	12	127.7	464378	5363923	36	117
6	220	1	328	S	B	67494	0	0	-1	-3	-9	-10	1	125.6	463392	5365554	0	0
6	220	1	328	S	C	67508	0	-1	-3	-6	-9	13	1	121.9	462886	5366364	0	0
6	220	1	328	S	D	67517	0	0	-1	-1	9	32	1	125.6	462558	5366889	0	0
6	220	1	328	S	E	67551	1	2	3	4	-1	0	1	130.8	461295	5368954	0	0
6	220	1	328	S	F	67563	0	1	2	2	2	18	1	128.3	460806	5369739	0	0
6	219	1	149	N	A	67854	23	42	68	113	195	370	12	130.8	464094	5364020	38	128
6	219	1	149	N	B	67857	30	51	87	153	285	600	12	126.8	464224	5363811	41	117
6	219	1	149	C	a	67868	49	82	170	303	567	1054	11	127.7	464603	5363168	0	0
6	219	1	149	C	b	67870	113	190	256	419	613	1069	12	128.9	464652	5363085	0	0
6	218	1	328	C	a	68049	128	117	130	147	281	332	1	116.7	464550	5362901	0	0
6	218	1	328	C	b	68051	-39	359	914	470	1401	2600	4	113.7	464445	5363074	0	0
6	218	1	328	N	A	68061	26	48	88	170	329	693	12	120.7	464106	5363641	32	136
6	218	1	328	S	B	68107	0	1	1	3	12	39	1	122.2	462390	5366412	0	0
6	218	1	328	S	C	68132	0	1	2	3	4	16	1	128.9	461435	5367973	0	0
6	218	1	328	N	D	68176	1	1	3	5	19	30	1	125.3	459770	5370702	0	0
6	217	1	149	N	A	68342	1	2	4	9	24	67	1	123.7	459724	5370394	0	0
6	217	1	149	N	B	68347	2	5	10	21	40	64	1	118.6	459916	5370082	0	0
6	217	1	149	S	C	68361	1	3	7	13	26	55	1	125.6	460447	5369204	0	0
6	217	1	149	S	D	68369	1	3	7	11	13	40	1	124.7	460769	5368675	0	0
6	217	1	149	S	E	68377	2	4	8	12	15	27	1	127.4	461052	5368210	0	0
6	217	1	149	S	F	68387	1	1	1	0	1	15	1	117.7	461447	5367582	0	0
6	217	1	149	N	G	68453	6	16	33	65	128	254	8	126.5	463766	5363769	15	164
6	217	1	149	N	H	68458	17	34	66	131	275	649	11	126.8	463956	5363460	21	138
6	217	1	149	C	a	68466	14	48	111	214	409	840	10	136.9	464239	5363002	0	0
6	217	1	149	C	b	68467	113	179	213	283	397	537	7	138.4	464304	5362899	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
6	216	1	328	C	a	68655	70	94	107	152	206	199	1	142.3	464197	5362713	0	0
6	216	1	328	C	b	68658	61	93	195	347	626	1150	11	139.3	464089	5362881	0	0
6	216	1	328	N	A	68666	37	78	153	301	620	1344	12	127.7	463800	5363353	27	102
6	216	1	328	S	B	68717	0	0	-1	-1	5	26	1	127.7	461879	5366473	0	0
6	216	1	328	S	C	68738	1	1	3	4	5	21	1	131.7	461096	5367759	0	0
6	216	1	328	S	D	68752	-1	-1	-3	-6	-2	13	1	125.3	460531	5368666	0	0
6	216	1	328	N	E	68770	0	1	2	5	14	28	1	123.4	459841	5369770	0	0
7	101	1	149	C	a	48733	41	149	265	517	850	1505	4	126.8	442375	5354318	0	0
7	101	1	149	C	b	48785	43	281	-19	-17	32	346	2	137.5	444374	5351008	0	0
7	116	1	329	C	a	48944	41	13	-12	50	393	496	4	119.8	446926	5352504	0	0
7	116	1	329	N	A	49077	6	13	26	47	98	229	7	125.3	442266	5360215	10	151
7	116	1	329	N	B	49080	21	43	76	108	200	396	12	124.4	442164	5360386	28	140
7	103	1	149	N	A	49229	0	0	0	3	13	56	1	128.9	440677	5357841	0	0
7	103	1	149	C	a	49285	54	124	221	348	533	750	4	130.8	442872	5354247	0	0
7	103	1	149	C	b	49330	-116	-64	-14	-225	632	670	2	136.9	444631	5351354	0	0
7	118	1	329	C	a	49499	41	157	197	357	439	721	4	123.4	447307	5352736	0	0
7	118	1	329	N	A	49646	69	133	225	371	626	1060	12	120.7	442295	5360942	36	87
7	105	1	148	N	A	49783	0	0	1	1	6	32	1	126.2	441078	5357961	0	0
7	105	1	148	N	B	49839	1	3	10	34	108	315	6	127.4	443258	5354404	6	84
7	105	1	148	C	a	49844	124	220	373	599	972	1639	11	128.3	443459	5354089	0	0
7	105	1	148	C	b	49856	34	96	123	276	322	715	7	124.4	443925	5353332	0	0
7	105	1	148	C	c	49878	8	65	400	59	366	252	1	126.8	444774	5351896	0	0
7	105	1	148	C	d	49884	48	21	54	176	447	541	7	130.8	444978	5351542	0	0
7	105	1	148	N	C	49905	11	21	39	70	130	260	9	131.1	445778	5350299	17	163
7	120	1	329	C	a	50031	14	45	92	189	357	701	10	125.3	447674	5352914	0	0
7	120	1	329	N	A	50162	0	0	0	2	13	52	1	119.5	443257	5360103	0	0
7	107	1	149	N	A	50353	19	39	70	122	213	382	12	136.9	443256	5355096	33	130
7	107	1	149	C	a	50364	161	221	314	414	646	1065	4	129.2	443699	5354379	0	0
7	107	1	149	C	b	50381	57	130	62	80	184	289	4	109.4	444347	5353317	0	0
7	107	1	149	C	c	50398	-165	-167	180	-300	551	267	2	125.3	445037	5352192	0	0
7	107	1	149	C	d	50406	57	3	-1	23	346	177	3	139.3	445342	5351696	0	0
7	107	1	149	N	B	50424	28	55	97	171	312	618	12	122.2	446016	5350631	32	129
7	122	1	328	C	a	50574	-197	61	37	318	329	1143	1	127.4	447993	5353112	0	0
7	122	1	328	N	A	50693	-1	-2	-3	2	20	85	2	122.5	443894	5359821	0	0
7	122	1	328	N	B	50719	15	26	42	68	112	192	10	128	442993	5361323	34	159
7	109	1	148	C	a	50891	41	56	115	183	334	592	7	129.8	443591	5355373	0	0
7	109	1	148	C	b	50896	37	80	137	159	362	500	6	128.9	443774	5355075	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
7	109	1	148	C	c	50945	197	165	169	200	426	415	3	145.7	445687	5351910	0	0
7	124	1	328	C	a	51110	18	20	61	141	442	680	2	120.4	448373	5353286	0	0
7	111	1	148	C	a	51477	116	151	145	169	362	524	4	135	446038	5352117	0	0
7	126	1	329	C	a	51635	-127	-137	41	83	352	501	2	127.7	448711	5353483	0	0
7	113	1	149	N	A	51941	0	0	-2	0	1	42	1	121.6	442875	5358041	0	0
7	113	1	149	C	a	52030	-144	-119	78	24	327	373	2	141.7	446405	5352293	0	0
7	128	1	329	C	a	52185	38	108	307	296	387	749	4	128.3	449073	5353681	0	0
7	115	1	148	N	A	52451	10	24	48	93	189	437	9	125.6	441934	5360342	15	141
7	115	1	148	C	a	52572	48	18	149	206	272	677	1	137.2	446751	5352486	0	0
7	102	1	328	C	a	52768	273	264	126	246	231	725	2	128	444538	5351209	0	0
7	102	1	328	C	b	52823	27	73	156	251	413	581	12	143.3	442598	5354314	0	0
7	104	1	328	N	A	53335	3	8	18	48	127	318	7	120.1	445651	5350081	7	113
7	104	1	328	C	a	53364	33	37	-140	-20	57	192	4	149.4	444693	5351649	0	0
7	104	1	328	C	b	53406	66	134	197	323	488	888	6	114.6	443181	5354091	0	0
7	104	1	328	N	B	53476	-1	-1	-3	-4	-2	26	1	117.7	440891	5357823	0	0
7	119	1	149	N	A	53641	10	15	24	39	65	123	7	137.2	442484	5361048	15	197
7	119	1	149	N	B	53657	2	4	8	17	36	83	2	150.9	443039	5360070	0	0
7	119	1	149	C	a	53773	50	129	251	430	638	745	3	129.5	447451	5352849	0	0
7	106	1	328	N	A	53930	46	82	132	213	361	641	12	144.5	446040	5350383	42	82
7	106	1	328	N	B	53934	14	28	46	82	142	244	10	134.7	445863	5350580	28	158
7	106	1	328	C	a	53953	-56	-44	50	-19	201	215	2	165.2	445179	5351606	0	0
7	106	1	328	C	b	53962	46	88	-30	-60	169	348	4	137.8	444915	5352115	0	0
7	106	1	328	C	c	53984	161	193	118	364	542	913	2	141.1	444140	5353371	0	0
7	106	1	328	C	d	53998	280	467	705	1064	1677	2949	12	124.4	443628	5354182	0	0
7	121	1	148	N	A	54252	-1	-2	-3	-3	5	35	1	116.4	443507	5360117	0	0
7	121	1	148	C	a	54364	13	32	62	150	328	483	8	130.5	447796	5353060	0	0
7	108	1	328	N	A	54517	1	2	5	13	31	75	1	103.3	446429	5350415	0	0
7	108	1	328	C	a	54543	-3	10	51	149	351	699	8	125.9	445560	5351804	0	0
7	108	1	328	C	b	54552	-96	158	-51	107	15	242	2	120.7	445225	5352325	0	0
7	108	1	328	C	c	54563	41	43	-65	132	103	335	5	125	444848	5352931	0	0
7	108	1	328	C	d	54596	261	595	833	1230	2116	3922	9	111.6	443682	5354826	0	0
7	108	1	328	C	e	54603	9	6	3	13	101	283	4	126.5	443457	5355199	0	0
7	123	1	148	C	a	54952	50	106	192	376	321	598	4	127.1	448151	5353259	0	0
7	110	1	328	C	a	55124	-32	44	107	178	713	1141	6	116.1	445907	5352013	0	0
7	125	1	148	C	a	55529	258	187	208	155	276	767	1	137.5	448528	5353423	0	0
7	112	1	328	C	a	55702	40	41	71	204	176	360	4	129.2	446263	5352158	0	0
7	112	1	328	N	A	55806	-1	-1	-1	0	8	49	1	125	442697	5357963	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
7	127	1	148	C	a	56118	-166	-115	-187	-241	496	244	2	135.6	448850	5353606	0	0
7	114	1	328	C	a	56324	93	254	378	478	749	839	3	118.3	446583	5352370	0	0
7	114	1	328	N	A	56460	2	6	14	30	68	152	5	103.6	441909	5360028	0	0
7	129	1	149	C	a	56728	65	163	258	485	764	1030	2	126.8	449223	5353803	0	0
7	130	1	328	C	a	56968	206	365	421	593	1246	1344	2	113.4	449398	5353876	0	0
7	143	1	149	N	A	57487	4	8	15	27	46	76	1	125	447099	5362640	0	0
7	143	1	149	N	B	57492	12	23	42	74	128	215	9	124.4	447291	5362326	18	171
7	143	1	149	N	C	57498	15	33	65	126	259	563	12	127.7	447510	5361961	29	141
7	143	1	149	N	D	57508	25	61	125	240	460	849	12	120.1	447910	5361308	23	116
7	143	1	149	C	a	57608	-29	-63	55	215	474	1158	6	127.7	451680	5355119	0	0
7	143	1	149	N	E	57615	63	110	187	339	608	1118	12	125.9	451940	5354695	38	86
7	143	1	149	N	F	57618	108	192	319	505	863	1560	12	133.2	452070	5354490	45	56
7	132	1	328	C	a	57798	32	104	221	356	627	825	6	131.4	449782	5354069	0	0
7	132	1	328	N	A	57924	3	7	17	41	99	219	6	117.7	445532	5360984	8	147
7	145	1	148	N	A	58085	12	22	39	70	128	246	8	126.2	447114	5363348	18	170
7	145	1	148	N	B	58099	62	110	181	290	480	821	12	123.4	447626	5362532	44	89
7	145	1	148	N	C	58105	168	285	441	671	1059	1718	12	120.1	447868	5362145	62	51
7	145	1	148	N	D	58210	33	53	80	122	189	318	12	136.2	451905	5355565	45	102
7	145	1	148	C	a	58215	34	91	189	341	670	1277	10	140.5	452077	5355289	0	0
7	145	1	148	N	E	58220	3	6	16	44	120	327	6	125.9	452280	5354949	7	103
7	145	1	148	N	F	58223	13	25	52	110	245	603	10	119.5	452379	5354774	19	155
7	134	1	328	N	A	58376	3	9	19	41	96	231	6	125	450582	5353518	9	142
7	134	1	328	C	a	58390	-108	-62	3	51	490	523	2	141.4	450133	5354265	0	0
7	134	1	328	N	B	58393	34	61	99	159	263	458	12	132.6	450025	5354464	41	107
7	134	1	328	N	C	58527	93	146	210	298	438	651	12	115.5	445466	5361840	54	81
7	134	1	328	N	D	58533	10	23	48	85	139	248	9	120.4	445262	5362184	21	168
7	147	1	148	N	A	58681	14	33	62	111	196	346	12	121.3	447789	5362996	37	146
7	147	1	148	N	B	58689	-1	-2	-4	-1	9	39	1	123.7	448111	5362479	0	0
7	147	1	148	N	C	58694	0	-1	-1	1	11	41	1	124.1	448315	5362143	0	0
7	147	1	148	N	D	58700	-1	-3	-5	-6	1	33	1	125.6	448510	5361823	0	0
7	147	1	148	N	E	58797	67	115	186	301	511	889	12	135.6	452298	5355686	47	73
7	147	1	148	C	a	58801	-142	-89	-154	466	405	1213	4	136.9	452422	5355493	0	0
7	147	1	148	N	F	58805	3	9	19	40	105	249	6	132.3	452600	5355218	9	129
7	136	1	329	C	a	58968	18	33	52	28	267	631	4	130.1	450501	5354439	0	0
7	136	1	329	N	A	59095	3	8	16	29	52	96	4	116.1	446153	5361562	0	0
7	136	1	329	N	B	59100	3	8	19	41	92	196	6	118.3	445988	5361827	9	161
7	136	1	329	N	C	59106	6	11	17	26	40	80	2	128	445761	5362180	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
7	149	1	148	N	A	59272	30	60	110	197	367	706	12	102.1	448375	5362819	30	144
7	149	1	148	N	B	59275	29	65	130	251	505	1021	12	101.2	448436	5362676	24	134
7	149	1	148	N	C	59278	-1	-6	0	11	55	158	4	103.6	448540	5362447	0	0
7	149	1	148	N	D	59282	3	8	17	33	63	121	5	108.8	448667	5362201	0	0
7	149	1	148	N	E	59385	22	43	74	129	242	456	12	134.1	452515	5356055	31	131
7	149	1	148	C	a	59391	171	105	101	170	610	938	4	133.2	452735	5355695	0	0
7	138	1	328	N	A	59584	8	22	48	90	169	349	9	126.2	451265	5353941	16	150
7	138	1	328	C	a	59595	109	43	-105	155	153	303	4	127.1	450855	5354593	0	0
7	138	1	328	N	B	59688	2	6	12	25	51	98	4	121.6	447681	5359785	0	0
7	138	1	328	N	C	59721	1	3	6	15	37	87	2	128.6	446561	5361611	0	0
7	138	1	328	N	D	59743	0	1	3	7	20	59	1	128	445808	5362803	0	0
7	151	1	148	N	A	59959	-1	-4	-7	-8	1	44	1	125.9	448818	5362877	0	0
7	151	1	148	N	B	59968	0	-1	-2	2	16	50	1	122.2	449192	5362289	0	0
7	151	1	148	N	C	59976	3	8	17	33	66	129	5	123.7	449479	5361802	0	0
7	151	1	148	N	D	60056	9	19	37	68	130	270	8	120.4	452581	5356757	16	174
7	151	1	148	N	E	60061	21	35	57	95	168	325	12	124.4	452767	5356447	39	141
7	151	1	148	C	a	60069	-15	13	41	82	434	1036	4	125.6	453093	5355920	0	0
7	151	1	148	N	F	60075	-1	-2	-2	2	28	132	3	126.5	453291	5355595	0	0
7	140	1	328	N	A	60220	98	204	375	674	1258	2435	12	121.3	451630	5354083	31	66
7	140	1	328	C	a	60233	33	19	84	137	288	387	6	126.2	451214	5354807	0	0
7	140	1	328	N	B	60326	1	3	8	17	42	93	3	134.7	448039	5359983	0	0
7	140	1	328	N	C	60368	39	66	104	167	272	460	12	125.9	446574	5362358	39	113
7	140	1	328	N	D	60371	199	321	484	731	1152	1876	12	124.1	446450	5362558	63	43
7	153	1	148	N	A	60514	4	13	27	59	144	323	7	125.3	448639	5363981	8	117
7	153	1	148	N	B	60525	3	8	14	25	44	83	3	124.4	449053	5363291	0	0
7	153	1	148	N	C	60530	23	45	78	134	229	423	12	119.8	449239	5362966	32	141
7	153	1	148	N	D	60533	90	146	219	330	523	885	12	120.4	449343	5362780	54	76
7	153	1	148	N	E	60560	2	6	14	31	67	144	5	131.1	450297	5361157	0	0
7	153	1	148	N	F	60605	0	0	0	1	9	41	1	122.5	452083	5358349	0	0
7	153	1	148	N	G	60628	7	16	32	61	119	245	8	121.6	452978	5356882	15	178
7	153	1	148	C	a	60640	69	120	-5	285	563	848	7	129.8	453426	5356142	0	0
7	142	1	328	N	A	60795	308	527	824	1274	2039	3342	12	129.8	451950	5354354	66	22
7	142	1	328	N	B	60803	-1	-3	-3	8	50	165	4	130.1	451677	5354787	0	0
7	142	1	328	C	a	60808	23	63	127	228	431	792	12	127.7	451537	5355016	0	0
7	142	1	328	N	C	60918	8	16	30	55	103	193	8	124.1	447732	5361217	18	189
7	142	1	328	N	D	60922	9	21	43	78	144	257	9	125.9	447604	5361429	17	162
7	142	1	328	N	E	60938	306	508	787	1204	1895	3073	12	121.6	447042	5362341	70	30

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
7	142	1	328	N	F	60941	108	171	251	364	546	843	12	124.1	446945	5362502	56	66
7	131	1	149	C	a	61222	-16	-168	112	32	408	417	2	136.9	449576	5353979	0	0
7	144	1	329	N	A	61390	32	72	143	281	585	1301	12	130.5	452228	5354662	29	100
7	144	1	329	C	a	61399	96	87	228	277	744	1331	4	135.3	451902	5355172	0	0
7	144	1	329	N	B	61511	4	11	24	50	103	203	7	130.5	448152	5361303	11	156
7	144	1	329	N	C	61522	35	66	113	197	358	692	12	128.3	447771	5361912	36	112
7	144	1	329	N	D	61529	90	155	250	399	670	1195	12	126.5	447511	5362336	56	64
7	144	1	329	N	E	61543	-1	-1	-1	2	20	68	1	124.7	447040	5363102	0	0
7	133	1	148	N	A	61684	28	50	79	126	198	321	12	117	445014	5362202	43	128
7	133	1	148	N	B	61696	0	1	1	4	8	20	1	118.6	445465	5361443	0	0
7	133	1	148	N	C	61705	-1	-1	-2	0	11	45	1	113.4	445800	5360916	0	0
7	133	1	148	C	a	61811	31	23	225	221	386	738	4	138.7	449935	5354189	0	0
7	146	1	329	N	A	61975	26	59	122	251	535	1158	12	121.3	452453	5355070	24	119
7	146	1	329	C	a	61981	124	228	281	519	788	1280	4	126.8	452251	5355388	0	0
7	146	1	329	N	B	62095	3	7	15	30	61	136	6	119.2	448356	5361707	14	212
7	146	1	329	N	C	62102	43	78	128	211	355	628	12	130.5	448117	5362106	40	99
7	146	1	329	N	D	62114	2	5	11	21	37	69	1	130.8	447711	5362793	0	0
7	135	1	149	N	A	62267	15	31	57	90	141	219	10	119.5	445524	5362173	29	162
7	135	1	149	N	B	62272	5	14	30	56	108	210	8	126.5	445708	5361845	16	181
7	135	1	149	N	C	62382	8	15	22	44	76	144	7	125.9	450019	5354817	14	193
7	135	1	149	N	D	62385	27	45	65	106	169	280	12	128	450141	5354616	43	122
7	135	1	149	C	a	62389	72	129	295	449	754	958	11	131.1	450294	5354367	0	0
7	148	1	328	N	A	62539	1	2	6	17	50	164	4	121.6	453289	5354476	0	0
7	148	1	328	C	a	62558	108	103	13	338	485	963	5	129.5	452593	5355569	0	0
7	148	1	328	N	B	62563	53	110	185	314	525	966	12	127.4	452399	5355879	32	90
7	148	1	328	N	C	62668	-1	-2	0	4	11	39	1	126.2	448737	5361861	0	0
7	148	1	328	N	D	62684	33	59	92	142	225	366	12	125.6	448212	5362727	41	116
7	148	1	328	N	E	62686	19	35	58	96	164	293	11	127.7	448146	5362827	30	151
7	137	1	149	N	A	62831	1	2	5	12	29	79	2	117.3	445790	5362486	0	0
7	137	1	149	N	B	62845	0	1	2	7	23	63	1	123.1	446294	5361644	0	0
7	137	1	149	N	C	62872	-1	-2	-2	0	10	39	1	121.9	447320	5359985	0	0
7	137	1	149	C	a	62959	6	-11	-12	189	322	679	1	125.6	450656	5354567	0	0
7	137	1	149	N	D	62973	-1	-3	-5	-7	-6	25	1	114.6	451167	5353690	0	0
7	150	1	329	C	a	63228	28	41	152	259	598	1004	10	125.3	452925	5355810	0	0
7	150	1	329	N	A	63236	47	91	158	267	456	793	12	116.1	452653	5356276	35	107
7	150	1	329	N	B	63331	-3	-6	-10	-11	10	53	1	126.8	449356	5361642	0	0
7	150	1	329	N	C	63341	2	9	19	29	56	111	5	127.1	449015	5362179	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
7	139	1	149	N	A	63494	36	74	137	248	452	842	12	118.3	445848	5363168	29	116
7	139	1	149	N	B	63503	98	157	232	344	536	888	12	120.1	446181	5362601	55	73
7	139	1	149	N	C	63511	0	1	3	11	38	105	3	134.7	446515	5362046	0	0
7	139	1	149	N	D	63543	0	1	3	8	24	68	1	128.3	447750	5360046	0	0
7	139	1	149	C	a	63625	14	38	162	196	630	1013	12	125	450979	5354761	0	0
7	139	1	149	N	E	63632	5	15	32	71	158	354	8	125.9	451252	5354306	12	140
7	139	1	149	N	F	63637	11	28	58	115	233	509	10	127.4	451456	5353978	19	142
7	152	1	329	N	A	63796	1	2	10	33	105	293	5	125.3	453434	5355706	0	0
7	152	1	329	C	a	63801	-36	29	74	100	314	742	7	127.7	453277	5355994	0	0
7	152	1	329	N	B	63808	4	12	25	46	72	136	7	120.1	453046	5356400	18	209
7	152	1	329	N	C	63814	48	90	153	255	442	774	12	113.4	452863	5356703	37	111
7	152	1	329	N	D	63887	1	2	4	8	14	47	1	127.1	450337	5360799	0	0
7	152	1	329	N	E	63922	3	8	17	32	59	119	5	125.3	449147	5362748	0	0
7	152	1	329	N	F	63927	4	10	22	45	92	176	7	123.1	448953	5363063	11	172
7	152	1	329	N	G	63939	1	2	6	16	41	107	3	120.1	448559	5363690	0	0
7	141	1	148	N	A	64091	1369	2048	2960	4304	6556	10383	12	117.3	446669	5362555	92	-2
7	141	1	148	N	B	64093	407	670	1027	1560	2467	4124	12	116.1	446730	5362451	73	28
7	141	1	148	N	C	64107	5	11	24	47	91	172	7	126.8	447267	5361587	12	173
7	141	1	148	N	D	64110	7	15	30	57	105	189	8	127.4	447383	5361400	17	182
7	141	1	148	C	a	64214	28	8	22	93	333	575	7	131.4	451355	5354945	0	0
7	141	1	148	N	E	64221	26	52	91	166	326	674	12	135	451623	5354472	29	118
7	141	1	148	N	F	64225	82	144	236	388	667	1222	12	126.5	451770	5354234	49	72
8	154	1	328	C	a	71187	49	43	99	128	249	501	2	138.7	453624	5356181	0	0
8	154	1	328	N	A	71194	49	105	190	320	517	828	12	125.3	453369	5356607	32	92
8	154	1	328	N	B	71203	4	10	20	34	63	118	5	117.7	453058	5357117	0	0
8	154	1	328	N	C	71206	35	53	74	105	155	227	12	125.9	452936	5357326	44	115
8	154	1	328	N	D	71223	12	28	57	116	244	515	10	120.4	452364	5358311	19	150
8	154	1	328	N	E	71266	5	12	23	40	59	89	7	110.3	450811	5360780	24	232
8	154	1	328	N	F	71272	3	7	13	23	39	68	1	108.2	450591	5361150	0	0
8	154	1	328	N	G	71298	15	36	70	124	219	385	11	121	449699	5362649	22	146
8	154	1	328	N	H	71320	4	10	20	41	90	191	6	119.5	448895	5363901	10	165
8	167	1	148	N	A	71496	1	1	3	6	10	34	1	121.6	452554	5362921	0	0
8	167	1	148	N	B	71504	2	6	13	29	66	145	5	115.5	452851	5362453	0	0
8	167	1	148	N	C	71512	6	16	32	61	115	199	8	114.9	453146	5361947	16	187
8	167	1	148	N	D	71532	24	44	76	132	241	435	12	127.4	453844	5360784	34	134
8	167	1	148	N	E	71539	45	74	108	157	239	372	12	115.2	454114	5360379	47	110
8	167	1	148	N	F	71556	46	88	146	227	356	585	12	117.7	454808	5359330	35	110

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
8	167	1	148	N	G	71571	3	8	17	34	72	135	6	122.8	455367	5358388	11	191
8	167	1	148	C	a	71583	-14	-167	247	37	518	473	2	146.6	455818	5357628	0	0
8	156	1	328	C	a	71753	-97	111	58	188	483	761	4	121	453969	5356414	0	0
8	156	1	328	N	A	71770	4	12	26	50	86	144	7	121	453360	5357405	15	197
8	156	1	328	N	B	71774	11	27	53	94	164	297	10	122.8	453222	5357632	23	162
8	156	1	328	N	C	71792	3	9	19	36	62	109	6	124.4	452604	5358629	15	216
8	156	1	328	N	D	71812	3	6	11	16	23	37	1	126.2	451891	5359800	0	0
8	156	1	328	N	E	71823	24	45	74	121	208	385	12	114.3	451493	5360470	37	144
8	156	1	328	N	F	71827	7	17	26	44	101	141	8	119.8	451361	5360688	18	195
8	156	1	328	N	G	71851	0	0	1	11	48	142	3	118.9	450530	5362032	0	0
8	156	1	328	N	H	71856	0	1	2	9	28	71	2	127.7	450342	5362334	0	0
8	156	1	328	N	I	71873	1	2	6	15	36	75	2	121	449762	5363269	0	0
8	156	1	328	N	J	71882	3	9	9	16	27	39	1	122.8	449426	5363816	0	0
8	169	1	148	N	A	72079	8	21	46	97	230	488	9	110.9	452916	5363104	13	141
8	169	1	148	N	B	72084	1	3	7	23	74	255	5	102.4	453115	5362768	0	0
8	169	1	148	N	C	72087	15	25	52	117	229	462	10	99.4	453225	5362582	19	171
8	169	1	148	N	D	72095	171	310	511	825	1364	2290	12	102.4	453519	5362106	48	70
8	169	1	148	N	E	72117	-2	-5	-10	-15	-8	10	1	122.2	454307	5360822	0	0
8	169	1	148	N	F	72134	62	112	184	307	543	979	12	121.6	454969	5359752	41	92
8	169	1	148	N	G	72137	124	200	301	445	672	1028	12	120.7	455072	5359584	58	63
8	169	1	148	N	H	72154	8	20	41	71	112	180	9	136.6	455660	5358540	22	166
8	169	1	148	C	a	72166	174	205	130	291	299	751	4	139.3	456111	5357817	0	0
8	158	1	329	N	A	72340	0	-1	-1	3	26	93	2	134.4	454737	5355937	0	0
8	158	1	329	C	a	72353	205	206	-26	374	1310	1545	2	109.7	454292	5356663	0	0
8	158	1	329	N	B	72376	39	66	108	175	291	486	12	121.6	453469	5357956	43	112
8	158	1	329	N	C	72421	1	3	7	15	35	66	1	110.9	451921	5360495	0	0
8	158	1	329	N	D	72443	2	7	17	47	133	379	7	125.9	451167	5361734	7	96
8	158	1	329	N	E	72451	9	18	33	54	85	132	8	121	450895	5362182	23	200
8	171	1	149	N	A	72695	179	308	496	803	1350	2344	12	119.2	454064	5362005	55	51
8	171	1	149	N	B	72703	12	22	36	54	74	98	8	131.4	454331	5361536	34	166
8	171	1	149	N	C	72727	3	8	18	37	77	171	7	113.7	455243	5360066	11	188
8	171	1	149	C	a	72759	-53	-173	66	401	438	729	4	128.3	456466	5358072	0	0
8	160	1	328	N	A	72911	0	1	3	10	33	158	3	115.8	455111	5356120	0	0
8	160	1	328	C	a	72925	8	20	87	110	515	590	7	117.7	454610	5356926	0	0
8	160	1	328	N	B	72965	0	0	1	2	4	21	1	148.7	453255	5359128	0	0
8	160	1	328	N	C	73005	-1	-1	-3	-2	4	49	1	132	451826	5361431	0	0
8	173	1	148	N	A	73234	13	32	63	114	207	402	10	121	453653	5363429	21	151

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
8	173	1	148	N	B	73260	56	105	185	330	609	1130	12	120.7	454600	5361867	35	97
8	173	1	148	N	C	73266	2	7	15	33	75	157	5	125	454837	5361486	0	0
8	173	1	148	N	D	73277	-1	-3	-4	-4	7	34	1	123.1	455232	5360845	0	0
8	173	1	148	N	E	73284	13	22	38	63	108	179	9	124.4	455502	5360395	22	183
8	173	1	148	N	F	73299	2	6	11	19	31	62	1	124.1	456082	5359461	0	0
8	173	1	148	C	a	73318	93	0	34	211	289	755	4	125.6	456809	5358281	0	0
8	162	1	328	N	A	73469	0	0	0	3	24	134	2	118.3	455425	5356342	0	0
8	162	1	328	C	a	73482	-21	-38	52	157	443	1018	6	121.6	454962	5357080	0	0
8	162	1	328	N	B	73487	16	37	73	130	226	379	11	118.6	454791	5357363	21	144
8	162	1	328	N	C	73509	7	16	29	46	77	136	8	122.5	454070	5358577	28	197
8	162	1	328	N	D	73516	2	5	11	18	42	122	3	121.6	453865	5358916	0	0
8	162	1	328	N	E	73553	21	43	75	120	191	296	12	126.8	452553	5360997	46	104
8	162	1	328	N	F	73557	75	119	181	280	452	771	12	127.7	452414	5361233	52	76
8	162	1	328	N	G	73559	42	66	93	111	190	311	7	127.4	452324	5361384	17	139
8	175	1	148	N	A	73803	6	15	30	56	101	205	8	118.9	454110	5363435	18	192
8	175	1	148	N	B	73859	0	0	0	1	16	37	1	125	456208	5360021	0	0
8	175	1	148	C	a	73883	142	30	136	203	213	765	1	134.7	457146	5358482	0	0
8	164	1	328	N	A	74017	0	-2	-1	-2	6	91	2	121.3	455719	5356610	0	0
8	164	1	328	C	a	74028	61	25	158	130	570	697	2	128.9	455339	5357282	0	0
8	164	1	328	N	B	74041	65	122	209	361	655	1225	12	120.7	454905	5357975	40	89
8	164	1	328	N	C	74055	170	305	502	825	1419	2510	12	121.3	454415	5358775	49	51
8	164	1	328	N	D	74066	80	133	206	320	520	870	12	125	454052	5359369	53	75
8	164	1	328	N	E	74072	4	10	21	36	62	102	6	120.7	453839	5359708	16	225
8	164	1	328	N	F	74092	28	38	67	124	238	433	11	121	453141	5360799	34	137
8	164	1	328	N	G	74097	41	90	162	281	496	889	12	118	452964	5361083	33	107
8	177	1	148	N	A	74306	5	14	28	54	96	161	7	121	452660	5366555	15	188
8	177	1	148	N	B	74409	2	4	9	20	43	103	2	120.1	456534	5360244	0	0
8	177	1	148	C	a	74433	205	175	239	224	751	533	2	130.8	457500	5358705	0	0
8	166	1	328	C	a	74584	56	45	69	124	441	694	6	131.4	455627	5357520	0	0
8	166	1	328	N	A	74597	96	188	325	544	922	1535	12	114.9	455188	5358241	36	78
8	166	1	328	N	B	74613	22	36	60	94	165	335	11	130.5	454657	5359147	31	146
8	166	1	328	N	C	74628	239	398	611	932	1472	2394	12	114.3	454188	5359911	66	45
8	166	1	328	N	D	74633	35	64	106	177	309	540	12	116.1	454011	5360194	36	122
8	166	1	328	N	E	74639	6	16	33	58	99	165	8	121	453816	5360510	18	192
8	166	1	328	N	F	74646	34	57	89	139	227	386	12	126.5	453565	5360917	46	108
8	155	1	149	N	A	74901	-1	-2	-2	1	16	70	1	118.3	450115	5362298	0	0
8	155	1	149	N	B	74927	23	44	76	127	213	352	12	128	451066	5360746	40	122

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
8	155	1	149	N	C	74929	7	19	41	82	158	299	8	126.8	451134	5360638	15	150
8	155	1	149	N	D	74944	-1	-2	-4	-4	9	26	1	124.1	451699	5359723	0	0
8	155	1	149	N	E	74963	25	51	91	155	267	488	12	119.5	452447	5358510	30	135
8	155	1	149	N	F	74977	20	36	58	92	151	270	12	124.7	452963	5357677	40	138
8	155	1	149	N	G	74980	85	145	225	342	536	868	12	125.3	453074	5357495	53	72
8	155	1	149	N	H	74989	5	14	32	67	144	293	8	145.7	453407	5356949	14	137
8	155	1	149	N	I	74993	4	11	25	53	117	240	7	139	453551	5356717	10	133
8	155	1	149	C	a	74999	59	137	266	401	689	1022	12	126.2	453770	5356356	0	0
8	168	1	329	C	a	75138	83	-6	120	0	456	327	2	135	455987	5357702	0	0
8	168	1	329	N	A	75151	46	81	136	226	381	644	12	118.9	455531	5358447	43	105
8	168	1	329	N	B	75169	140	232	359	548	861	1368	12	119.2	454931	5359424	60	59
8	168	1	329	N	C	75194	8	18	36	64	114	195	8	123.4	454089	5360792	18	181
8	168	1	329	N	D	75210	16	17	41	52	87	135	7	125.3	453573	5361645	19	195
8	168	1	329	N	E	75222	5	13	29	65	147	319	8	125.3	453142	5362340	12	146
8	168	1	329	N	F	75228	4	9	19	37	65	105	6	125	452931	5362671	16	216
8	157	1	149	N	A	75444	0	-1	0	4	31	115	2	120.1	450603	5362262	0	0
8	157	1	149	N	B	75449	0	0	3	16	69	207	4	127.7	450780	5361970	0	0
8	157	1	149	N	C	75470	2	4	9	18	33	64	1	114.9	451530	5360774	0	0
8	157	1	149	N	D	75480	0	0	1	2	6	22	1	128.6	451903	5360175	0	0
8	157	1	149	N	E	75515	6	15	30	55	96	172	8	128.6	453214	5358016	18	187
8	157	1	149	N	F	75518	7	17	32	55	94	162	8	128.9	453336	5357820	19	189
8	157	1	149	C	a	75538	79	19	167	347	611	686	8	126.8	454088	5356581	0	0
8	170	1	328	C	a	75689	39	135	107	-48	501	789	5	132	456316	5357927	0	0
8	170	1	328	N	A	75721	9	16	27	46	80	163	7	122.8	455248	5359682	13	187
8	170	1	328	N	B	75726	3	10	23	50	118	290	8	126.5	455103	5359938	15	172
8	170	1	328	N	C	75761	154	257	399	616	987	1648	12	122.8	453887	5361873	61	52
8	170	1	328	N	D	75762	154	273	444	719	1217	2132	12	122.8	453848	5361941	50	53
8	170	1	328	N	E	75765	24	47	87	158	307	662	12	121.9	453761	5362089	29	129
8	170	1	328	N	F	75771	2	6	14	31	81	197	5	122.5	453551	5362443	0	0
8	159	1	149	N	A	75991	3	7	14	26	42	62	1	125.6	450958	5362445	0	0
8	159	1	149	N	B	75999	1	2	5	9	29	63	1	130.8	451256	5361982	0	0
8	159	1	149	N	C	76042	1	2	3	4	3	13	1	121	452855	5359379	0	0
8	159	1	149	N	D	76062	56	110	186	300	501	863	12	116.1	453598	5358152	34	101
8	159	1	149	C	a	76085	295	184	228	394	695	860	3	131.7	454449	5356772	0	0
8	159	1	149	N	E	76098	-1	-1	-1	4	22	78	2	128.3	454929	5355967	0	0
8	172	1	328	C	a	76240	76	95	211	349	689	882	11	121.3	456657	5358126	0	0
8	172	1	328	N	A	76260	13	23	32	53	91	165	8	110	455969	5359284	21	210

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
8	172	1	328	N	B	76278	25	41	64	101	169	307	12	120.4	455367	5360239	42	133
8	172	1	328	N	C	76297	21	36	58	96	167	282	12	124.4	454736	5361245	41	134
8	172	1	328	N	D	76304	57	88	126	203	333	563	12	124.4	454492	5361634	50	90
8	172	1	328	N	E	76306	84	147	239	391	671	1207	12	120.1	454401	5361781	49	78
8	172	1	328	N	F	76310	46	79	125	218	384	704	12	113.7	454265	5362010	46	110
8	172	1	328	N	G	76328	5	11	18	23	21	22	1	124.4	453680	5362988	0	0
8	161	1	149	N	A	76561	35	56	86	135	218	352	12	121.6	452142	5361290	45	115
8	161	1	149	N	B	76569	3	7	11	20	30	61	1	121	452435	5360828	0	0
8	161	1	149	N	C	76598	0	1	2	8	12	33	1	124.4	453542	5359014	0	0
8	161	1	149	N	D	76604	1	3	6	10	14	31	1	117	453731	5358698	0	0
8	161	1	149	N	E	76624	5	13	27	51	94	160	7	124.7	454515	5357448	14	183
8	161	1	149	N	F	76627	6	14	20	39	67	85	7	118	454612	5357286	23	226
8	161	1	149	C	a	76632	15	59	90	237	700	1096	7	116.4	454794	5356970	0	0
8	161	1	149	N	G	76645	0	1	3	7	18	69	1	118.6	455280	5356138	0	0
8	174	1	328	C	a	76785	68	97	172	456	496	750	4	122.8	457010	5358346	0	0
8	174	1	328	N	A	76842	1	3	8	18	41	85	2	125.9	455068	5361501	0	0
8	174	1	328	N	B	76849	3	8	17	31	57	101	6	125.9	454808	5361916	17	224
8	174	1	328	N	C	76873	88	158	254	410	700	1263	12	124.1	453973	5363287	45	74
8	163	1	149	N	A	77117	123	231	395	674	1203	2170	12	124.4	452734	5361123	40	59
8	163	1	149	N	B	77150	6	14	26	45	79	139	7	122.5	453973	5359066	15	199
8	163	1	149	N	C	77157	19	34	59	101	188	349	12	121.6	454234	5358647	41	137
8	163	1	149	C	a	77181	185	101	215	428	439	584	4	144.5	455126	5357195	0	0
8	163	1	149	N	D	77195	0	1	1	5	21	68	1	127.4	455639	5356361	0	0
8	176	1	329	C	a	77335	60	142	129	478	883	906	12	131.7	457350	5358560	0	0
8	176	1	329	N	A	77363	0	1	3	12	51	149	4	127.4	456349	5360171	0	0
8	176	1	329	N	B	77422	1	3	7	12	19	33	1	115.8	454322	5363462	0	0
8	176	1	329	N	C	77472	2	6	13	24	41	73	1	124.7	452557	5366330	0	0
8	165	1	149	N	A	77673	77	132	210	329	530	894	12	125.9	453297	5360925	50	76
8	165	1	149	N	B	77690	109	181	280	437	710	1185	12	109.7	453924	5359908	57	78
8	165	1	149	N	C	77696	38	73	124	211	377	704	12	120.4	454147	5359554	43	107
8	165	1	149	N	D	77706	40	70	115	195	345	644	12	130.5	454530	5358945	44	99
8	165	1	149	N	E	77716	41	79	116	242	421	708	12	116.1	454902	5358336	37	113
8	165	1	149	N	F	77720	107	185	297	479	808	1377	12	118	455039	5358114	52	71
8	165	1	149	C	a	77731	234	46	217	123	469	642	2	149.4	455461	5357402	0	0
8	178	1	329	C	a	77876	243	201	275	262	781	1221	7	131.1	457641	5358773	0	0
8	178	1	329	N	A	77905	4	7	13	26	56	134	4	119.5	456661	5360417	0	0
8	178	1	329	N	B	78014	2	5	10	19	27	37	1	121.9	452982	5366440	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
8	179	1	148	N	A	78285	3	7	14	28	55	111	4	126.8	456865	5360475	0	0
8	179	1	148	C	a	78310	215	76	234	522	739	1448	4	119.5	457826	5358912	0	0
8	180	1	329	C	a	78494	-204	-102	440	253	1112	1080	3	127.7	457995	5359012	0	0
8	180	1	329	N	A	78654	16	29	45	57	97	164	6	122.8	452440	5368090	16	187
8	181	1	148	N	A	78938	1	3	5	1	9	46	1	122.5	457312	5360517	0	0
8	181	1	148	C	a	78960	130	133	327	501	766	1300	4	131.4	458159	5359122	0	0
8	182	1	328	C	a	79138	-16	19	18	143	453	954	8	124.4	458327	5359222	0	0
8	182	1	328	N	A	79149	2	6	12	24	43	68	2	127.4	457966	5359823	0	0
8	183	1	148	C	a	79545	-2	32	90	225	538	1019	1	128.6	458495	5359356	0	0
8	184	1	329	C	a	79742	-5	12	30	111	402	1085	4	128	458635	5359396	0	0
8	184	1	329	N	A	79818	2	6	13	24	41	60	1	125.3	456047	5363728	0	0
9	185	1	148	N	A	52033	54	87	132	195	294	454	12	125.6	455684	5364733	49	91
9	185	1	148	N	B	52039	23	42	73	121	203	344	12	122.2	455905	5364365	44	121
9	185	1	148	N	C	52043	7	17	38	82	179	362	8	117.3	456033	5364150	13	146
9	185	1	148	N	D	52050	6	17	32	54	81	109	8	114.6	456283	5363746	26	203
9	185	1	148	C	a	52119	38	84	164	310	576	1012	12	131.1	458859	5359575	0	0
9	198	1	329	N	A	52273	8	22	46	88	157	254	9	124.7	461215	5360656	17	155
9	198	1	329	C	a	52277	74	186	360	573	824	1018	12	129.5	461056	5360917	0	0
9	187	1	149	N	A	52581	13	20	31	49	76	118	8	115.2	456196	5364671	25	210
9	187	1	149	N	B	52585	1	4	11	26	53	115	4	112.2	456348	5364422	0	0
9	187	1	149	N	C	52587	2	5	12	27	59	122	5	112.8	456391	5364351	0	0
9	187	1	149	N	D	52594	11	20	32	45	53	72	1	122.2	456642	5363936	0	0
9	187	1	149	C	a	52663	99	203	223	347	615	990	4	128.9	459170	5359798	0	0
9	200	1	329	C	a	52810	101	179	277	405	595	849	12	128.3	461547	5360865	0	0
9	200	1	329	C	b	52815	53	-47	152	189	875	950	3	136.9	461384	5361137	0	0
9	189	1	149	N	A	53068	1	3	7	13	25	46	1	119.2	454605	5368012	0	0
9	189	1	149	N	B	53137	23	46	81	142	260	477	12	119.2	457144	5363853	31	142
9	189	1	149	N	C	53139	25	43	71	120	209	370	12	118	457212	5363746	44	126
9	189	1	149	C	a	53201	119	189	254	585	1101	1499	6	123.1	459512	5360011	0	0
9	202	1	328	C	a	53341	82	152	219	389	591	815	12	128.3	461901	5361115	0	0
9	202	1	328	C	b	53345	-5	-51	191	32	693	831	2	126.5	461751	5361350	0	0
9	202	1	328	N	A	53349	6	20	34	74	99	261	4	125	461603	5361590	0	0
9	191	1	148	N	A	53665	12	23	39	62	90	124	9	121.6	457427	5364157	28	185
9	191	1	148	C	a	53730	69	154	313	546	837	1213	12	126.2	459845	5360197	0	0
9	204	1	329	C	a	53914	156	231	340	587	912	1388	11	123.7	462184	5361346	0	0
9	204	1	329	C	b	53918	155	308	492	776	1183	1816	12	124.4	462046	5361574	0	0
9	204	1	329	N	A	53955	2	4	10	22	41	82	2	114.6	460693	5363782	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
9	193	1	149	N	A	54317	2	4	9	15	22	49	1	118.9	459032	5362320	0	0
9	193	1	149	C	a	54348	69	63	266	417	789	1261	4	128.9	460190	5360445	0	0
9	206	1	328	C	a	54541	59	109	178	258	356	539	12	135.6	462478	5361615	0	0
9	206	1	328	C	b	54543	108	209	369	556	803	1073	12	131.4	462391	5361762	0	0
9	206	1	328	N	A	54622	11	22	39	70	131	257	9	127.7	459507	5366521	17	166
9	195	1	148	N	A	54928	1	2	4	7	17	35	1	138.1	459401	5362448	0	0
9	195	1	148	C	a	54957	-17	12	211	-36	676	1232	5	120.4	460487	5360635	0	0
9	208	1	329	C	a	55110	81	113	161	234	331	441	4	118.6	462832	5361836	0	0
9	208	1	329	C	b	55112	73	162	349	596	1157	1906	11	121	462731	5361999	0	0
9	208	1	329	N	A	55195	1	4	7	11	23	47	1	117.3	459801	5366776	0	0
9	208	1	329	N	B	55201	4	10	21	41	82	188	7	125	459572	5367157	10	167
9	208	1	329	N	C	55218	14	26	44	69	104	141	10	107	458989	5368114	33	181
9	208	1	329	N	D	55227	1	3	6	12	20	34	1	118.3	458673	5368638	0	0
9	197	1	148	C	a	55510	-13	11	121	168	622	1276	9	122.8	460916	5360843	0	0
9	186	1	328	C	a	55660	-8	38	104	162	525	1271	6	114.3	459046	5359701	0	0
9	186	1	328	N	A	55728	99	150	211	291	414	608	12	121.3	456582	5363610	55	73
9	186	1	328	N	B	55733	1	4	11	29	83	198	5	117.3	456398	5363933	0	0
9	186	1	328	N	C	55738	13	30	59	105	186	368	10	118.9	456240	5364204	21	157
9	186	1	328	N	D	55745	61	115	196	333	596	1141	12	123.1	455994	5364615	36	91
9	186	1	328	N	E	55797	4	11	22	39	62	87	7	122.2	454075	5367677	23	223
9	199	1	148	C	a	56064	63	137	253	484	772	1080	8	138.1	461212	5361094	0	0
9	199	1	148	C	b	56068	64	85	125	178	234	316	12	128.3	461365	5360834	0	0
9	188	1	328	C	a	56215	13	33	105	163	432	1115	4	119.8	459376	5359883	0	0
9	188	1	328	N	A	56277	15	27	44	68	102	147	10	122.8	457160	5363465	32	170
9	188	1	328	N	B	56350	30	53	82	127	204	343	12	121	454520	5367755	43	122
9	188	1	328	N	C	56357	9	17	29	44	63	96	8	121.3	454265	5368169	32	194
9	201	1	148	N	A	56611	2	6	14	34	94	222	5	114.9	461287	5361680	0	0
9	201	1	148	C	a	56618	75	201	310	554	858	1280	4	116.4	461524	5361290	0	0
9	201	1	148	C	b	56623	67	107	144	198	261	373	12	128.3	461700	5361005	0	0
9	190	1	328	C	a	56767	29	162	252	449	775	970	8	129.2	459703	5360062	0	0
9	190	1	328	N	A	56826	4	11	21	36	51	75	1	127.7	457587	5363535	0	0
9	190	1	328	N	B	56831	3	9	20	44	98	208	7	125.3	457420	5363808	9	152
9	203	1	148	N	A	57124	2	6	13	24	38	61	1	122.8	460511	5363736	0	0
9	203	1	148	N	B	57158	3	7	18	41	98	234	6	118.3	461750	5361727	8	143
9	203	1	148	C	a	57162	49	127	232	414	704	965	9	124.4	461900	5361497	0	0
9	203	1	148	C	b	57166	56	95	137	207	299	453	12	128.3	462044	5361268	0	0
9	192	1	329	C	a	57318	128	158	346	469	923	1319	7	131.4	460050	5360298	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
9	205	1	149	N	A	57628	2	4	9	18	42	82	2	110.3	459108	5366778	0	0
9	205	1	149	N	B	57676	1	3	7	15	33	63	1	121	460873	5363936	0	0
9	205	1	149	C	a	57713	84	199	362	477	852	1288	4	130.8	462223	5361690	0	0
9	205	1	149	C	b	57716	57	100	153	237	350	534	12	131.4	462335	5361513	0	0
9	194	1	329	C	a	57868	-2	25	69	170	490	1073	8	127.7	460363	5360521	0	0
9	196	1	328	N	A	58438	2	8	21	53	149	401	7	116.4	460884	5360491	7	101
9	196	1	328	C	a	58442	153	241	336	586	828	1289	4	120.7	460717	5360744	0	0
9	209	1	149	N	A	58732	63	106	161	238	353	525	12	122.8	458914	5368585	51	86
9	209	1	149	N	B	58741	1	3	8	17	36	82	2	119.5	459261	5368046	0	0
9	209	1	149	N	C	58754	43	72	110	168	267	413	12	122.5	459760	5367266	48	101
9	209	1	149	C	a	58840	63	202	347	563	889	1412	12	132	462894	5362108	0	0
9	209	1	149	C	b	58842	68	119	187	201	343	485	7	127.1	462975	5361978	0	0
9	210	1	328	C	a	59025	49	104	234	293	356	578	4	117.7	463156	5362090	0	0
9	210	1	328	C	b	59027	59	101	209	427	787	1461	12	121	463070	5362234	0	0
9	210	1	328	N	A	59033	4	11	21	36	54	94	6	121	462867	5362573	19	232
9	210	1	328	N	B	59108	128	233	389	646	1125	2033	12	122.5	460103	5367082	45	60
9	210	1	328	N	C	59112	23	42	70	118	207	354	12	121	459971	5367298	35	143
9	210	1	328	N	D	59132	27	52	87	143	232	386	12	120.1	459209	5368534	33	135
9	210	1	328	N	E	59139	47	92	158	262	440	732	12	113.4	458964	5368907	34	111
9	211	1	148	N	A	59329	67	131	231	395	692	1245	12	126.5	459085	5369096	34	81
9	211	1	148	N	B	59336	8	16	31	53	88	142	8	121.6	459336	5368687	21	200
9	211	1	148	N	C	59358	94	167	275	455	805	1615	12	121.9	460147	5367359	46	73
9	211	1	148	N	D	59436	7	16	42	85	186	462	8	126.5	463031	5362657	14	140
9	211	1	148	C	a	59441	33	95	203	368	690	1313	12	129.8	463221	5362350	0	0
9	211	1	148	C	b	59444	63	87	219	273	443	533	12	128	463301	5362221	0	0
9	212	1	328	C	a	59617	52	90	117	207	349	387	2	122.5	463517	5362269	0	0
9	212	1	328	C	b	59620	27	101	202	396	854	1708	12	124.7	463405	5362443	0	0
9	212	1	328	N	A	59626	19	37	65	113	200	425	12	119.2	463165	5362820	36	147
9	212	1	328	N	B	59685	1	3	6	12	17	62	1	117	461075	5366247	0	0
9	212	1	328	N	C	59701	7	17	33	59	104	187	8	123.7	460483	5367239	18	187
9	212	1	328	N	D	59728	7	16	31	53	92	145	8	118.6	459489	5368842	19	201
9	212	1	328	N	E	59735	29	56	97	164	295	551	12	125.3	459259	5369213	32	125
9	213	1	148	N	A	59920	2	6	12	23	41	76	1	121.6	459181	5369702	0	0
9	213	1	148	N	B	59925	20	37	62	99	164	270	12	126.5	459357	5369408	42	129
9	213	1	148	N	C	59948	2	5	10	15	21	55	1	120.7	460236	5367970	0	0
9	213	1	148	N	D	59958	0	1	2	3	3	32	1	122.8	460600	5367374	0	0
9	213	1	148	N	E	59977	2	5	11	20	30	55	2	119.2	461316	5366237	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
9	213	1	148	N	F	60029	14	31	59	122	246	478	10	124.4	463245	5363097	20	141
9	213	1	148	N	G	60032	28	62	117	219	416	873	12	125.9	463370	5362893	26	115
9	213	1	148	C	a	60038	71	151	307	530	881	1499	12	127.4	463580	5362544	0	0
9	213	1	148	C	b	60040	10	-22	186	292	520	510	2	126.5	463630	5362461	0	0
9	214	1	329	C	a	60213	54	174	190	280	385	439	2	127.1	463840	5362521	0	0
9	214	1	329	C	b	60215	36	32	147	308	855	1734	10	128.3	463754	5362660	0	0
9	214	1	329	N	A	60221	30	68	137	267	543	1116	12	124.1	463537	5363015	24	109
9	214	1	329	N	B	60276	0	2	8	35	117	385	6	124.1	461557	5366221	6	81
9	214	1	329	N	C	60298	3	7	14	27	54	120	4	128.3	460754	5367529	0	0
9	214	1	329	N	D	60311	0	0	1	3	9	43	1	123.1	460261	5368340	0	0
9	214	1	329	N	E	60333	4	11	22	42	79	138	7	125.9	459470	5369653	13	190
9	215	1	148	N	A	60501	1	2	6	13	35	77	1	121.9	459370	5370124	0	0
9	215	1	148	N	B	60506	5	13	26	53	116	255	7	118.9	459578	5369788	10	148
9	215	1	148	N	C	60532	2	5	11	18	26	64	1	121.3	460542	5368245	0	0
9	215	1	148	N	D	60557	1	4	9	23	64	201	4	118.9	461475	5366720	0	0
9	215	1	148	N	E	60610	6	17	32	78	193	440	8	121.6	463473	5363470	13	139
9	215	1	148	C	a	60622	58	103	246	403	721	1178	12	125.9	463907	5362762	0	0
9	215	1	148	C	b	60623	-60	103	118	433	67	1047	1	126.5	463967	5362666	0	0
9	117	1	148	N	A	61862	7	16	30	51	85	144	8	116.1	441370	5362003	21	208
9	117	1	148	N	B	61869	40	73	120	192	315	538	12	118.9	441620	5361606	38	115
9	117	1	148	N	C	61880	4	11	22	42	77	127	7	123.1	442003	5360997	15	203
9	117	1	148	N	D	61894	2	5	11	22	43	82	2	119.5	442523	5360169	0	0
9	117	1	148	C	a	62019	-72	-15	-108	16	194	458	4	132.6	447132	5352681	0	0
10	207	1	148	N	A	60119	2	6	12	21	32	46	1	137.2	458616	5368380	0	0
10	207	1	148	N	B	60191	1	3	6	12	26	65	1	121.6	461229	5364076	0	0
10	207	1	148	C	a	60228	9	41	93	196	419	819	6	133.5	462565	5361897	0	0
10	207	1	148	C	b	60230	55	187	45	316	408	756	1	135	462625	5361809	0	0

BLOCK 2

AZIMUTH 59/238

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
5	201	1	59	N	A	58189	2	7	14	27	53	112	4	142.6	449709	5369482	0	0
5	201	1	59	N	B	58225	2	6	12	21	33	57	1	118.3	452071	5370934	0	0
5	210	1	238	N	A	58522	1	3	7	12	22	39	1	121.3	449712	5367386	0	0
5	210	1	238	N	B	58560	2	4	6	11	22	51	1	137.5	447512	5366041	0	0
5	210	1	238	N	C	58641	1	3	6	16	38	79	1	116.7	442838	5363160	0	0
5	210	1	238	N	D	58645	4	11	20	35	55	92	7	118.6	442643	5363046	23	228
5	203	1	58	N	A	58884	0	1	1	3	8	28	1	125.9	445979	5366734	0	0
5	203	1	58	N	B	58925	1	2	4	7	13	29	1	137.2	448555	5368333	0	0
5	203	1	58	N	C	58945	10	19	33	55	85	138	8	121	449843	5369126	23	199
5	212	1	238	N	A	59233	2	4	9	18	34	54	1	131.4	452370	5368556	0	0
5	212	1	238	N	B	59401	5	11	21	38	69	139	7	117	442890	5362754	14	207
5	212	1	238	N	C	59430	19	43	80	142	255	458	12	124.4	441346	5361786	26	138
5	205	1	58	N	A	59628	2	4	7	11	13	30	1	138.7	444949	5365642	0	0
5	205	1	58	N	B	59648	1	3	5	8	10	29	1	129.8	446252	5366449	0	0
5	205	1	58	N	C	59687	6	11	18	26	38	70	1	124.1	448779	5368000	0	0
5	205	1	58	N	D	59701	1	3	5	10	16	27	1	140.8	449634	5368519	0	0
5	205	1	58	N	E	59740	18	31	51	81	131	221	11	131.1	452222	5370103	32	151
5	205	1	58	N	F	59753	1	3	5	7	9	19	1	123.1	453058	5370594	0	0
5	205	1	58	N	G	59771	1	2	5	11	27	72	2	128.3	454178	5371292	0	0
5	214	1	238	N	A	59994	9	18	30	46	68	102	4	134.7	452530	5368167	0	0
5	214	1	238	N	B	60139	5	14	30	60	123	248	8	133.8	444285	5363118	14	157
5	214	1	238	N	C	60155	11	22	41	68	108	183	9	129.2	443379	5362564	23	175
5	214	1	238	N	D	60172	27	48	80	139	253	495	12	125.3	442408	5361974	38	129
5	214	1	238	N	E	60174	183	299	455	692	1101	1831	12	120.1	442269	5361891	63	49
5	214	1	238	N	F	60176	178	291	438	655	1014	1628	12	117	442143	5361815	62	53
5	214	1	238	N	G	60182	43	79	130	207	342	583	12	118	441802	5361607	38	113
5	207	1	58	N	A	60377	3	4	7	15	25	45	1	135.6	444753	5365048	0	0
5	207	1	58	N	B	60497	6	16	30	50	83	134	8	130.1	452419	5369751	22	196
5	216	1	238	N	A	60890	78	139	224	354	578	982	12	123.1	444622	5362854	45	80
5	216	1	238	N	B	60905	8	17	31	54	89	158	8	116.4	443755	5362335	19	204
5	216	1	238	N	C	60920	44	84	144	247	445	852	12	124.7	442927	5361844	44	96
5	216	1	238	N	D	60927	9	23	49	101	211	447	9	115.5	442567	5361631	14	142
5	209	1	58	N	A	61166	1	1	1	4	10	26	1	125.6	447477	5366247	0	0
5	202	1	239	N	A	61529	38	69	113	184	315	558	12	120.7	449912	5369409	40	114
5	202	1	239	N	B	61592	0	1	3	6	12	34	1	126.2	446400	5367238	0	0
5	211	1	58	N	A	61826	2	5	11	20	39	80	2	128.9	441156	5361885	0	0
5	211	1	58	N	B	61848	21	43	80	139	246	447	12	116.4	442566	5362788	31	146

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
5	211	1	58	N	C	61851	16	32	57	104	198	378	10	117	442735	5362893	23	162
5	204	1	239	N	A	62210	1	2	5	12	32	82	2	131.7	454333	5371639	0	0
5	204	1	239	N	B	62243	3	7	14	28	52	89	4	132.3	452399	5370426	0	0
5	204	1	239	N	C	62307	8	19	36	63	117	224	8	129.8	448745	5368211	18	173
5	204	1	239	N	D	62342	0	0	0	0	1	22	1	122.5	446812	5367018	0	0
5	204	1	239	N	E	62360	2	4	7	15	25	45	1	127.7	445766	5366379	0	0
5	204	1	239	N	F	62437	1	2	4	8	14	26	1	118	441517	5363762	0	0
5	213	1	58	N	A	62557	22	38	59	88	138	232	12	125.3	441298	5361487	42	131
5	213	1	58	N	B	62563	97	137	184	249	350	518	12	120.4	441687	5361725	54	76
5	213	1	58	N	C	62566	107	168	247	364	555	877	12	120.7	441856	5361838	56	70
5	213	1	58	N	D	62581	3	7	15	28	46	82	2	125.9	442813	5362492	0	0
5	213	1	58	N	E	62585	2	5	11	19	34	58	1	125.6	443097	5362681	0	0
5	213	1	58	N	F	62727	1	3	7	13	22	36	1	120.1	452294	5368257	0	0
5	206	1	239	N	A	62944	3	9	17	32	58	114	5	115.2	454374	5371173	0	0
5	206	1	239	N	B	62979	42	73	123	208	359	633	12	124.1	452458	5369986	44	103
5	206	1	239	N	C	63074	1	2	4	6	8	31	1	127.7	447071	5366714	0	0
5	206	1	239	N	D	63097	0	0	0	0	1	15	1	123.4	445769	5365888	0	0
5	215	1	58	N	A	63323	23	49	91	163	301	575	12	128.6	442535	5361817	28	128
5	215	1	58	N	B	63324	23	45	79	140	255	483	12	131.1	442612	5361864	35	128
5	215	1	58	N	C	63339	0	1	3	9	25	62	1	120.1	443541	5362435	0	0
5	215	1	58	N	D	63351	41	77	130	215	369	668	12	122.8	444359	5362935	37	109
5	215	1	58	N	E	63354	40	65	102	162	274	481	12	126.2	444526	5363039	46	104
5	208	1	239	N	A	63775	0	1	3	8	24	72	1	123.1	449794	5367931	0	0
5	208	1	239	N	B	63823	1	3	6	10	13	37	1	123.4	447155	5366298	0	0
5	217	1	59	N	A	64051	15	30	53	92	160	281	10	124.7	442191	5361128	25	161
5	217	1	59	N	B	64059	17	30	49	81	139	233	11	138.7	442658	5361428	34	141
5	217	1	59	N	C	64063	11	22	39	66	117	212	9	140.8	442920	5361586	20	162
5	217	1	59	N	D	64089	4	11	21	37	60	96	7	131.7	444660	5362647	21	213
5	217	1	59	N	E	64233	5	12	24	44	74	115	7	124.7	453942	5368334	22	203
5	218	1	239	N	A	64484	120	188	277	408	624	1004	12	115.5	454107	5368211	57	70
5	218	1	239	N	B	64631	25	49	86	150	267	489	12	126.5	445914	5363180	31	131
5	218	1	239	N	C	64680	19	35	57	88	142	229	12	133.5	443121	5361448	39	132
5	218	1	239	N	D	64694	59	116	200	344	616	1140	12	120.1	442372	5361009	33	94
5	219	1	58	N	A	64835	6	14	27	49	92	172	7	133.8	442257	5360715	13	169
5	219	1	58	N	B	64877	3	7	14	26	47	89	2	128.9	444956	5362366	0	0
5	219	1	58	N	C	64890	31	57	95	155	265	460	12	128.6	445801	5362919	37	117
5	219	1	58	N	D	64893	16	24	34	56	116	204	9	123.7	445986	5363030	22	181

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
5	219	1	58	N	E	65018	8	19	35	60	99	160	8	129.2	454001	5367896	21	184
5	219	1	58	N	F	65021	18	26	37	52	75	117	10	129.2	454168	5368001	38	150
5	220	1	238	N	A	65382	42	70	109	167	267	444	12	122.8	454559	5368005	47	105
5	220	1	238	N	B	65419	1	3	6	13	28	50	1	124.4	452594	5366799	0	0
5	220	1	238	N	C	65531	5	11	22	39	66	109	7	132.9	446227	5362903	21	198
5	220	1	238	N	D	65549	88	143	214	315	480	761	12	122.2	445198	5362260	54	75
5	220	1	238	N	E	65602	20	41	71	96	207	388	12	121.9	442205	5360434	32	144
5	220	1	238	N	F	65605	36	73	131	239	457	924	12	123.4	442060	5360341	29	112
5	221	1	58	N	A	65817	34	49	85	134	216	363	12	125	445169	5362009	45	114
5	221	1	58	N	B	65819	63	108	172	266	424	706	12	125	445338	5362110	50	83
5	221	1	58	N	C	65832	101	165	249	371	568	909	12	125.3	446135	5362597	56	66
5	221	1	58	N	D	65833	43	77	121	184	283	442	12	126.5	446238	5362664	43	102
5	221	1	58	N	E	65847	8	19	37	64	111	188	8	133.5	447082	5363198	20	173
5	221	1	58	N	F	65870	1	4	8	16	30	63	1	131.4	448539	5364088	0	0
5	221	1	58	N	G	65931	3	8	16	29	43	68	2	126.5	452377	5366454	0	0
5	221	1	58	N	H	65935	6	10	16	30	55	103	5	128.6	452637	5366611	0	0
5	221	1	58	N	I	65960	2	4	8	14	26	47	1	128.6	454281	5367589	0	0
5	221	1	58	N	J	65964	5	10	16	25	38	53	1	124.4	454545	5367749	0	0
5	222	1	238	N	A	66232	2	4	9	17	29	46	1	125.9	452939	5366554	0	0
5	222	1	238	N	B	66237	2	6	12	22	37	59	1	123.7	452676	5366393	0	0
5	222	1	238	N	C	66306	26	65	135	271	567	1191	12	127.4	448704	5363956	23	105
5	222	1	238	N	D	66341	52	87	135	206	327	533	12	126.5	446644	5362713	49	91
5	222	1	238	N	E	66344	84	136	203	305	474	766	12	128.3	446485	5362621	54	70
5	222	1	238	N	F	66346	64	104	156	229	344	535	12	128.9	446383	5362563	51	81
5	222	1	238	N	G	66359	23	37	56	84	127	208	12	128.6	445667	5362114	42	127
5	222	1	238	N	H	66362	316	482	686	965	1390	2043	12	125.9	445514	5362009	69	28
5	222	1	238	N	I	66378	0	1	2	4	8	17	1	126.2	444625	5361423	0	0
5	222	1	238	N	J	66415	3	7	13	21	28	46	1	134.1	442480	5360147	0	0
5	223	1	58	N	A	66578	1	2	5	9	8	8	1	127.4	444587	5361191	0	0
5	223	1	58	N	B	66591	20	33	52	81	130	215	12	127.7	445433	5361708	41	132
5	223	1	58	N	C	66594	32	56	89	135	203	326	12	127.1	445641	5361838	43	113
5	223	1	58	N	D	66610	1007	1511	2197	3204	4863	7621	12	124.1	446686	5362499	86	-2
5	223	1	58	N	E	66642	2	5	11	25	59	118	5	128	448780	5363768	0	0
6	224	1	239	N	A	53265	31	50	74	112	180	311	12	129.8	447845	5362962	44	112
6	224	1	239	N	B	53280	486	747	1076	1544	2293	3562	12	120.1	447004	5362421	75	20
6	224	1	239	N	C	53290	3	9	18	31	50	79	1	142.3	446470	5362116	0	0
6	224	1	239	N	D	53298	8	20	40	77	156	320	9	126.8	445974	5361823	15	155

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
6	224	1	239	N	E	53350	8	11	17	28	52	104	4	125.9	443236	5360137	0	0
6	237	1	59	N	A	53626	11	20	34	57	99	175	8	124.7	447854	5359899	22	189
6	237	1	59	N	B	53664	2	4	8	15	23	30	1	126.5	450272	5361401	0	0
6	237	1	59	N	C	53678	4	11	30	77	201	531	8	127.4	451163	5361947	10	118
6	237	1	59	N	D	53703	6	14	27	48	88	177	7	125	452821	5362968	12	174
6	237	1	59	N	E	53715	2	6	12	22	34	62	1	124.7	453541	5363400	0	0
6	237	1	59	N	F	53719	2	6	13	24	44	80	2	123.7	453824	5363572	0	0
6	237	1	59	N	G	53746	18	33	57	95	149	229	10	128.6	455632	5364708	27	153
6	237	1	59	N	H	53749	21	31	45	71	111	171	12	129.2	455846	5364841	40	137
6	237	1	59	N	I	53808	13	26	50	90	148	279	11	121	459760	5367251	32	159
6	237	1	59	N	J	53810	34	63	107	183	334	631	12	121.6	459893	5367330	37	120
6	237	1	59	N	K	53816	2	4	8	14	24	105	2	124.1	460278	5367563	0	0
6	237	1	59	N	L	53824	2	5	10	18	28	51	1	125	460809	5367879	0	0
6	226	1	238	N	A	54159	69	116	176	267	421	657	12	128.9	449048	5363234	52	77
6	226	1	238	N	B	54173	63	106	167	264	435	716	12	120.1	448254	5362757	49	90
6	226	1	238	N	C	54184	641	979	1407	2018	2998	4621	12	119.5	447635	5362386	79	14
6	226	1	238	N	D	54208	11	18	31	53	102	195	8	118	446368	5361600	18	198
6	226	1	238	N	E	54223	9	23	50	107	240	506	9	116.4	445560	5361101	13	131
6	226	1	238	N	F	54255	0	0	0	2	12	42	1	120.7	443877	5360062	0	0
6	239	1	58	N	A	54441	1	3	5	7	7	4	1	124.1	448081	5359577	0	0
6	239	1	58	N	B	54478	11	21	36	60	102	181	8	117.7	450524	5361096	21	194
6	239	1	58	N	C	54494	0	-1	-1	0	6	28	1	125.6	451576	5361732	0	0
6	239	1	58	N	D	54516	2	6	13	28	66	166	5	125.6	453026	5362621	0	0
6	239	1	58	N	E	54531	8	16	29	53	102	199	8	122.2	453953	5363187	18	191
6	239	1	58	N	F	54560	32	56	93	155	269	475	12	120.4	455863	5364380	40	122
6	239	1	58	N	G	54563	25	44	70	113	187	312	12	117.7	456077	5364516	39	138
6	228	1	239	N	A	54875	42	75	122	199	343	613	12	128.3	449282	5362914	41	103
6	228	1	239	N	B	54886	3	7	15	27	46	72	3	125	448673	5362527	0	0
6	228	1	239	N	C	54895	27	44	69	106	173	301	12	125.6	448186	5362222	43	124
6	228	1	239	N	D	54898	261	444	692	1066	1696	2771	12	129.2	447984	5362099	65	28
6	228	1	239	N	E	54903	24	47	92	186	394	859	12	126.2	447694	5361919	27	129
6	228	1	239	N	F	54921	1	3	7	16	38	79	2	126.5	446747	5361340	0	0
6	228	1	239	N	G	54935	1	2	5	11	25	50	2	114.6	445967	5360901	0	0
6	241	1	58	N	A	55196	3	6	12	20	31	51	1	118	450623	5360683	0	0
6	241	1	58	N	B	55201	7	13	21	32	47	65	1	119.5	450951	5360881	0	0
6	241	1	58	N	C	55219	3	6	12	20	30	45	1	128.9	452142	5361615	0	0
6	241	1	58	N	D	55231	1	3	7	13	21	46	1	117.3	452957	5362111	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
6	241	1	58	N	E	55238	5	10	18	35	71	136	6	121	453380	5362367	11	192
6	241	1	58	N	F	55243	0	1	2	6	15	40	1	118.6	453673	5362543	0	0
6	241	1	58	N	G	55279	11	26	53	112	263	555	10	121.3	456030	5363998	19	148
6	241	1	58	N	H	55282	27	62	122	247	525	1103	12	120.4	456259	5364140	24	118
6	230	1	239	N	A	55595	46	86	143	240	421	770	12	122.8	449621	5362653	37	105
6	230	1	239	N	B	55608	26	44	71	121	215	387	12	126.2	448855	5362186	40	128
6	230	1	239	N	C	55616	18	32	56	101	196	428	11	121.9	448370	5361888	26	159
6	230	1	239	N	D	55630	60	119	209	350	594	998	12	124.7	447614	5361416	32	88
6	243	1	58	N	A	55924	12	24	42	74	130	225	9	122.8	451077	5360507	18	172
6	243	1	58	N	B	55927	33	67	126	229	439	844	12	118.3	451269	5360622	29	121
6	243	1	58	N	C	55942	64	107	165	257	416	706	12	124.7	452238	5361211	51	84
6	243	1	58	N	D	55945	76	134	215	346	582	1024	12	125.6	452401	5361314	47	78
6	243	1	58	N	E	55962	52	87	138	222	377	647	12	124.4	453450	5361960	47	95
6	243	1	58	N	F	55965	68	125	213	364	660	1259	12	123.1	453640	5362071	42	84
6	243	1	58	N	G	56005	23	31	43	65	93	143	8	128.3	456324	5363711	34	160
6	243	1	58	N	H	56008	39	63	91	135	202	312	12	132.9	456537	5363843	46	100
6	232	1	239	N	A	56321	15	23	34	54	92	162	8	122.5	449262	5361954	23	196
6	232	1	239	N	B	56334	2	5	10	18	30	60	1	115.2	448547	5361505	0	0
6	232	1	239	N	C	56342	32	62	110	193	354	661	12	125	448086	5361226	32	119
6	245	1	58	N	A	56636	1	3	5	10	21	36	1	131.4	451195	5360080	0	0
6	245	1	58	N	B	56642	10	18	29	48	83	136	8	127.7	451573	5360317	24	195
6	245	1	58	N	C	56659	51	89	142	224	371	631	12	131.7	452581	5360968	46	88
6	245	1	58	N	D	56663	61	118	206	356	644	1197	12	121.3	452838	5361123	34	91
6	245	1	58	N	E	56681	79	125	185	277	435	719	12	125	453976	5361794	53	76
6	245	1	58	N	F	56682	46	88	153	264	477	900	12	126.8	454049	5361837	37	95
6	245	1	58	N	G	56685	36	58	89	145	251	426	12	132	454246	5361954	45	104
6	245	1	58	N	H	56729	15	28	49	84	159	296	10	124.4	457027	5363680	25	167
6	245	1	58	N	I	56733	54	100	171	290	514	948	12	125	457305	5363834	38	94
6	234	1	239	N	A	57017	4	7	16	23	27	28	1	125	450886	5362475	0	0
6	234	1	239	N	B	57024	-1	0	7	28	98	313	5	126.5	450538	5362263	0	0
6	234	1	239	N	C	57041	3	7	15	28	57	115	5	125.6	449610	5361697	0	0
6	247	1	58	N	A	57279	1	2	5	9	16	24	1	129.5	446403	5356696	0	0
6	247	1	58	N	B	57361	3	6	12	21	39	64	1	124.4	451794	5360002	0	0
6	247	1	58	N	C	57380	12	25	45	80	137	235	12	128.6	453042	5360750	41	132
6	247	1	58	N	D	57384	82	137	211	325	523	867	12	130.8	453321	5360925	54	68
6	247	1	58	N	E	57402	35	68	121	214	389	705	12	127.4	454472	5361634	33	112
6	247	1	58	N	F	57448	11	20	33	54	89	146	8	123.4	457501	5363454	27	184

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
6	236	1	239	N	A	57704	1	2	8	13	23	48	1	123.4	452935	5363265	0	0
6	236	1	239	N	B	57739	0	5	21	71	239	677	7	118.3	450993	5362060	6	60
6	236	1	239	N	C	57798	55	103	173	279	461	777	12	125.3	447717	5360054	37	94
6	225	1	58	N	A	58015	3	7	13	25	46	77	3	131.1	445359	5361202	0	0
6	225	1	58	N	B	58028	5	12	24	45	84	152	7	124.1	446222	5361709	13	187
6	225	1	58	N	C	58033	3	8	17	31	57	110	5	128.3	446597	5361937	0	0
6	225	1	58	N	D	58039	48	76	113	168	260	420	12	123.4	446993	5362186	48	100
6	225	1	58	N	E	58046	52	89	141	229	385	664	12	138.7	447423	5362452	50	74
6	225	1	58	N	F	58054	23	42	70	111	182	303	12	130.8	447941	5362781	36	130
6	225	1	58	N	G	58055	41	66	98	147	230	373	12	128	448035	5362841	46	102
6	225	1	58	N	H	58067	2	5	11	17	21	29	1	128.6	448824	5363332	0	0
6	225	1	58	N	I	58074	3	6	11	18	22	22	1	127.4	449287	5363616	0	0
6	238	1	239	N	A	58668	127	225	368	600	1027	1831	12	122.2	456030	5364667	54	57
6	238	1	239	N	B	58706	134	236	386	631	1089	2000	12	125.9	453968	5363434	49	55
6	238	1	239	N	C	58722	1	4	10	24	62	173	5	125	453104	5362903	0	0
6	238	1	239	N	D	58754	4	9	21	49	123	349	7	118.3	451327	5361813	8	116
6	238	1	239	N	E	58771	3	9	21	42	84	174	7	121.3	450407	5361255	11	178
6	238	1	239	N	F	58813	1	4	9	20	49	107	3	119.8	448022	5359767	0	0
6	227	1	58	N	A	59036	1	2	3	4	6	9	1	118.6	445546	5360812	0	0
6	227	1	58	N	B	59051	2	5	11	20	33	55	1	135.3	446515	5361444	0	0
6	227	1	58	N	C	59066	51	85	133	209	379	665	12	135	447541	5362081	49	83
6	227	1	58	N	D	59069	109	191	308	492	814	1378	12	132.3	447771	5362220	51	55
6	227	1	58	N	E	59079	8	18	37	76	165	360	8	121.9	448454	5362628	14	152
6	227	1	58	N	F	59089	9	18	33	59	106	203	8	129.2	449093	5363025	18	180
6	240	1	238	N	A	59390	106	204	355	616	1125	2156	12	105.8	456194	5364333	36	83
6	240	1	238	N	B	59440	2	8	19	42	101	237	6	117	453497	5362675	8	145
6	240	1	238	N	C	59446	9	21	48	107	247	569	9	121.6	453185	5362485	12	119
6	240	1	238	N	D	59471	1	2	5	12	33	126	2	122.2	451801	5361647	0	0
6	240	1	238	N	E	59489	14	22	35	54	84	123	8	115.8	450793	5361050	26	200
6	229	1	59	N	A	59769	8	18	35	63	113	191	8	131.1	447507	5361565	18	173
6	229	1	59	N	B	59771	10	21	41	73	132	232	9	128.3	447643	5361653	18	166
6	229	1	59	N	C	59774	17	30	47	83	149	276	10	125.3	447847	5361784	31	160
6	229	1	59	N	D	59778	18	31	53	90	159	295	11	123.1	448149	5361970	29	161
6	229	1	59	N	E	59795	50	80	123	184	283	448	12	124.7	449277	5362668	48	95
6	229	1	59	N	F	59797	129	209	318	484	767	1267	12	124.4	449412	5362751	58	58
6	242	1	238	N	A	60095	26	62	130	248	496	993	12	114.3	456384	5363983	28	124
6	242	1	238	N	B	60143	2	5	11	21	43	95	3	120.4	453823	5362411	0	0

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
6	242	1	238	N	C	60148	10	22	42	79	152	324	9	121.6	453507	5362220	16	163
6	242	1	238	N	D	60171	20	33	52	82	137	234	12	123.1	452269	5361448	40	142
6	242	1	238	N	E	60191	53	89	138	214	343	565	12	127.7	451147	5360750	49	89
6	231	1	59	N	A	60474	7	15	28	50	87	154	7	125.9	447682	5361194	15	188
6	231	1	59	N	B	60477	27	49	82	141	247	427	12	125.3	447908	5361335	36	130
6	231	1	59	N	C	60488	1	3	7	13	23	47	1	124.4	448577	5361765	0	0
6	231	1	59	N	D	60495	2	4	9	19	39	76	3	131.1	449060	5362076	0	0
6	231	1	59	N	E	60502	6	12	19	29	53	87	5	125.6	449497	5362350	0	0
6	231	1	59	N	F	60505	2	4	9	19	34	54	1	125	449723	5362488	0	0
6	244	1	238	N	A	60787	20	39	67	118	221	480	12	123.4	457192	5364018	31	148
6	244	1	238	N	B	60796	126	202	297	424	615	917	12	121	456673	5363694	58	63
6	244	1	238	N	C	60843	209	368	597	966	1646	2956	12	122.8	453995	5362046	55	42
6	244	1	238	N	D	60845	190	324	510	796	1280	2079	12	123.4	453896	5361986	59	44
6	244	1	238	N	E	60868	147	228	330	477	716	1110	12	132.6	452610	5361182	59	46
6	244	1	238	N	F	60886	12	23	40	65	107	176	9	118.3	451611	5360577	23	188
6	244	1	238	N	G	60889	59	98	153	241	397	675	12	123.7	451425	5360466	50	89
6	233	1	59	N	A	61176	1	3	6	12	20	30	1	116.1	447918	5360895	0	0
6	233	1	59	N	B	61198	7	15	29	56	114	220	8	118.9	449430	5361817	15	183
6	233	1	59	N	C	61211	0	0	1	3	10	54	1	125.3	450277	5362350	0	0
6	246	1	238	N	A	61488	103	180	288	465	787	1393	12	124.4	457421	5363682	50	67
6	246	1	238	N	B	61544	77	138	231	392	712	1365	12	128	454348	5361795	46	73
6	246	1	238	N	C	61567	105	186	306	505	873	1571	12	127.7	453095	5361015	49	62
6	246	1	238	N	D	61590	1	2	4	11	28	52	1	121.3	451728	5360168	0	0
6	235	1	58	N	A	61871	12	22	38	69	133	253	8	121.9	447532	5360150	17	173
6	235	1	58	N	B	61915	0	1	2	7	19	51	1	122.8	450379	5361932	0	0
6	235	1	58	N	C	61922	7	15	28	47	83	152	8	127.4	450806	5362190	24	198
6	248	1	238	N	A	62249	63	107	169	267	446	791	12	117.3	454682	5361542	52	89
6	248	1	238	N	B	62261	3	7	13	21	36	73	2	114	453982	5361113	0	0
6	248	1	238	N	C	62270	119	193	291	437	680	1094	12	118.6	453503	5360812	57	67
6	248	1	238	N	D	62295	7	13	21	34	54	94	6	114.9	452028	5359908	18	239
6	249	1	58	N	A	62668	2	4	5	9	13	75	1	124.7	452782	5360126	0	0
6	249	1	58	N	B	62683	14	28	50	92	172	331	10	125.6	453784	5360744	23	162
6	249	1	58	N	C	62685	17	34	61	108	197	358	11	123.7	453887	5360807	25	152
6	249	1	58	N	D	62696	6	13	24	42	76	147	7	122.2	454592	5361238	15	198
6	249	1	58	N	E	62701	6	12	22	39	68	130	7	122.5	454890	5361418	14	205
6	250	1	238	N	A	63034	7	16	31	49	81	141	8	115.8	454994	5361249	24	209
6	250	1	238	N	B	63051	34	54	82	127	205	347	12	116.7	454037	5360670	45	120

FLT	LINE	PRT	AZ	CAT	ID	FID	X-20	X-18	X-16	X-14	X-12	X-10	NC	ALT	X	Y	CTP	DEP
6	251	1	59	N	A	63353	0	0	0	-1	-3	9	1	123.1	446016	5355502	0	0
6	251	1	59	N	B	63458	-1	-2	-3	-4	6	38	1	120.7	452980	5359745	0	0
6	251	1	59	N	C	63470	14	23	38	62	108	180	10	119.5	453721	5360208	34	172
6	251	1	59	N	D	63473	28	40	58	85	132	208	12	121.6	453912	5360323	43	130
6	251	1	59	N	E	63483	-1	-2	-3	-4	-3	6	1	126.2	454544	5360715	0	0
6	252	1	238	N	A	63834	1	1	2	3	7	37	1	121.3	455244	5360932	0	0
6	252	1	238	N	B	63854	65	106	163	255	420	718	12	120.4	454142	5360258	51	87
6	252	1	238	N	C	63857	117	202	315	482	788	1365	12	120.7	453976	5360154	54	64
6	252	1	238	N	D	63858	79	129	195	298	476	809	12	121.6	453898	5360105	53	79
6	252	1	238	N	E	63880	0	1	2	4	11	31	1	127.1	452633	5359330	0	0
6	253	1	59	N	A	64313	-1	-2	-4	-5	2	49	1	121.9	453001	5359340	0	0
6	253	1	59	N	B	64328	297	503	786	1221	1998	3421	12	116.7	453952	5359932	69	35
6	254	1	238	N	A	64636	16	36	73	155	341	799	11	130.5	465066	5366524	19	124
6	254	1	238	N	B	64811	2	5	10	18	35	65	1	125	455372	5360538	0	0
6	254	1	238	N	C	64832	51	82	126	194	311	525	12	126.5	454240	5359850	49	93
6	254	1	238	N	D	64833	51	87	138	224	376	662	12	125.9	454164	5359801	46	94
6	254	1	238	N	E	64860	2	4	9	16	29	56	1	123.1	452669	5358871	0	0
6	254	1	238	C	a	65022	65	172	246	281	544	576	2	123.4	443754	5353402	0	0



42A06NW2026 2.21079 GODFREY

020

LOGISTICS AND PROCESSING REPORT

of the

AIRBORNE MAGNETIC AND MEGATEM[®]
ELECTROMAGNETIC MULTICOIL SURVEY

of the

Timmins Joint Venture Project, Ontario, Canada

for

Explorer's Alliance Corporation

Job 659
March, 2001
Ottawa, Ontario

2. 21079

Fugro Airborne Surveys

TABLE OF CONTENTS

I - INTRODUCTION.....	3
II - SURVEY OPERATIONS.....	4
Location of the Survey Area.....	4
Survey Coverage.....	4
Aircraft and Geophysical On-Board Equipment.....	4
Base Station Equipment.....	5
Field Office Equipment.....	6
Survey Specifications and Tolerances.....	6
Field Operations.....	6
III - QUALITY CONTROL AND COMPILATION PROCEDURES.....	8
In the Field.....	8
IV - DATA PROCESSING.....	9
Flight Path Recovery.....	9
Altitude Data.....	9
Diurnal Magnetics.....	9
Magnetics.....	10
Electromagnetics.....	10
V - FINAL PRODUCTS.....	12
Map.....	12
Report.....	12

APPENDICES

- A** **GEOTEM® Electromagnetic System**
- B** **GEOTEM® Interpretation Notes**
- C** **Multicomponent GEOTEM® Modelling**

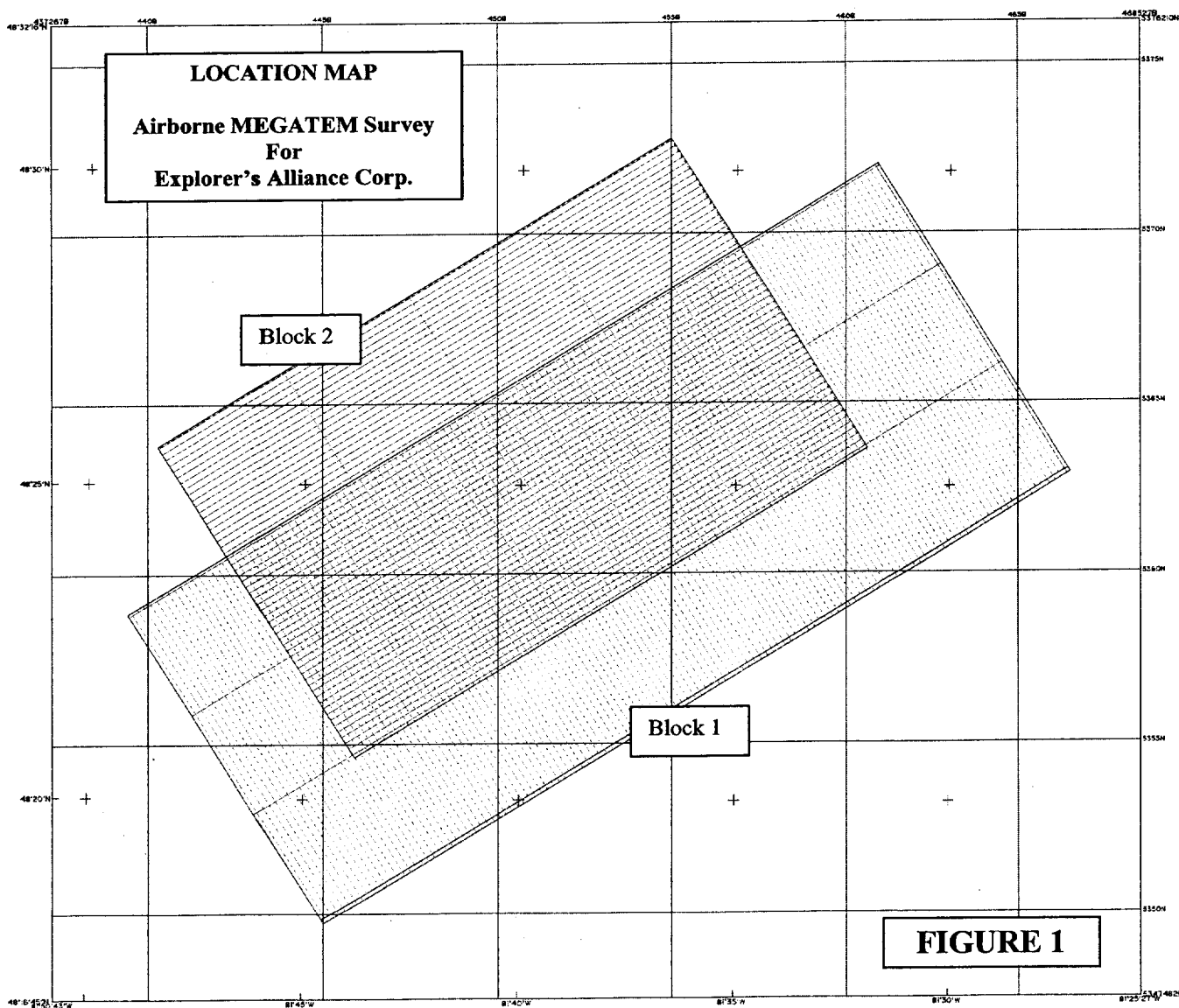


42A06NW2026 2.21079 GODFREY

020C

INTRODUCTION

Between October 24th and 30th, 2000, an electromagnetic and magnetic survey was flown over blocks 1 & 2 of the Timmins Joint Venture Project in Northern Ontario, Canada by FUGRO AIRBORNE SURVEYS CORPORATION on behalf of the EXPLORER'S ALLIANCE CORPORATION. A total of 2,345 line kilometres of data were collected. The survey data was processed and compiled in the FUGRO AIRBORNE SURVEYS CORPORATION Ottawa office. It is presented as a map, at 1:20,000 scale, of Total Magnetic Intensity with EM Anomalies.



SURVEY OPERATIONS

Location of the Survey Area

The survey area is composed of two overlapping blocks centred in the Townships of Carscallen and Bristol, near Timmins, in Northern Ontario, Canada. It is bound by latitudes 48°18' N to 48°31' N and longitudes 81°27' W to 81°49' W (see figure 1). Timmins Airport was used as the base of operations to conduct the survey.

Survey Coverage

Block one is covered by lines along azimuth 150 at a spacing of 200 m with orthogonal control lines, approx 4000 m apart. Block two is covered by lines along azimuth 060 at a spacing of 200 m with orthogonal control lines approximately 4000 m apart. A total of 2,345 line kilometres of data were collected.

Aircraft and Geophysical On-Board Equipment

Aircraft	Four-engine turbo-prop, STOL deHavilland DHC-7EM
Operator	FUGRO AIRBORNE SURVEYS CORPORATION
Registration	C-GJPI
Survey Speed	135 knots/155 mph/70m/sec.
Magnetometer	Scintrex Cs-2 single cell caesium vapour, towed-bird installation, sensitivity = 0.01 nT ¹ , sampling rate = 0.1 sec., ambient range 20,000 to 100,000 nT. The general noise envelope was kept below 0.5 nT. Nominal sensor height of 75 metres above ground.
Electromagnetic system	MEGATEM multicoil system

System parameters

Transmitter: vertical axis loop of 406 m²,
number of turns : 4
nominal height above ground of 120 metres.

Receiver : multicoil system (x, y and z) with a final recording rate of 4 samples/second, for the recording of 20 channels of x, y and z-coil data. Nominal height

¹ One gamma is equivalent to the S.I. unit nanotesla (nT).

above ground of 60 metres, placed 125 m behind the centre of the transmitter loop.

<i>Base frequency:</i>	90 Hz
<i>Pulse width:</i>	2113 μ s
<i>Pulse delay:</i>	100 μ s
<i>Off-time:</i>	3342 μ s
<i>Point value:</i>	43 μ s
<i>Transmitter:</i>	Current of 595 amperes; dipole moment $9.66 \times 10^5 \text{Am}^2$.
<i>Receiver:</i>	Window mean delay times in microseconds from the end of the pulse:
	channel 1: -1931 channel 11: 825
	channel 2: -1497 channel 12: 998
	channel 3: -933 channel 13: 1194
	channel 4: -368 channel 14: 1410
	channel 5: 0 channel 15: 1628
	channel 6: 131 channel 16: 1867
	channel 7: 239 channel 17: 2127
	channel 8: 369 channel 18: 2409
	channel 9: 500 channel 19: 2734
	channel 10: 652 channel 20: 3125

Digital Acquisition
Analogue Recorder

FUGRO AIRBORNE SURVEYS GEODAS.

RMS GR-33, showing the total magnetic field at 2 vertical scales, the radar and barometric altimeters, the time-constant filtered traces of the x channels 9-20, and the on-time channel 1, the raw traces of the x and z-coil channel 9 and 20, the EM primary field, the power line monitor, the 4th difference of the magnetics, the x-coil earth's field monitor and the fiducials.

Barometric Altimeter
Radar Altimeter

Rosemount 1241M, sensitivity 1 foot, 1 sec. recording interval.

King, accuracy 5%, sensitivity one foot, range 0 to 2,000 feet, 1 sec. recording interval.

Camera
Electronic Navigation

Panasonic colour video, super VHS, model WV-CL302.

Sercel GPS receiver NR103, 1 sec. recording interval, with a resolution of 0.00001 degree and an accuracy of ± 5 m.

Base Station Equipment

Magnetometer:

Scintrex Cs-2 single cell caesium vapour, mounted in a magnetically quiet area, measuring the total intensity of the earth's magnetic field in

Fugro Airborne Surveys

Magnetometer units of 0.01 nT at intervals of 0.5 second, within a noise envelope of 0.50 nT.

GPS Receiver: SERCEL NR103 V2.3, measuring all GPS channels, for up to 10 satellites.

Computer: Laptop Pentium PC model

Converter: Picodas, model MEP710 3/10901 GTS 780008.

Battery Backup.

Field Office Equipment

Computers: Dell Inspiron 7500 Pentium III laptop with 20 GB hard drive.

DAT Tape Drive: Seagate 4 mm.

Hard Drive: Removable hard drive.

Printer: Hewlett Packard Inkjet

Survey Specifications and Tolerances

Altitude: The survey was flown at a mean terrain clearance of 120 metres. Terrain clearance was to remain within 15 m of nominal. However, the drape must be flown smoothly to minimise bird swing.

Line Spacing: Navigation gaps must not exceed 320x3000 m.

Diurnal Variation: Acceptable variations were limited to 10 nT deviations over a chord of 60 sec.

Noise Levels: The noise envelope on the magnetic data was not to exceed +/- 0.25 nT during straight and level flying. The noise envelope on the raw EM channel 20 was not to exceed +/- 5000 pT/s on the both X and Z-coils over a distance of 3 km or more. Atmospheric noise bursts and bird swing noise must never become frequent enough to interfere with data processing or interpretation. It is important to avoid flying in turbulence e.g. wind speed >20 knots.

Field Operations

The base of field operations was the Timmins Airport.

Field Crew

Geophysicist/Party Chief:	J. Lemieux
Geophysicist	P. Richard
Pilots:	B. Waines, B. Debnak
Electronics Operators:	T. Payne, A. Proulx

Engineer:

E. Slaney, N. Craig

Production Statistics

Total production:	2,345 km
Number of production flights:	6
Hours of production flying:	20.3 hours
Km/hour of production flying:	116 km/hour
Average km/production flight:	391 km
Average hours/production flight:	3.4 hours.

III**QUALITY CONTROL AND COMPILATION PROCEDURES****In the Field**

After the flight, all analogue records were examined as a preliminary assessment of the noise level of the recorded data. Altimeter deviations from the prescribed flying altitudes were also closely examined as well as the diurnal activity, as recorded at the base station.

All digital data were verified for validity and continuity. The data from the aircraft and base station were transferred to the PC's hard disk. Basic statistics were generated for each parameter recorded; these included the minimum, maximum, mean, standard deviation and any null values located. Editing of all recorded parameters for spikes or datum shifts was done, followed by final data verification via an interactive graphics screen with on-screen editing and interpolation routines.

The quality of the GPS navigation was controlled on a daily basis by recovering the flight path of the aircraft. The Trajecto correction procedure employs the raw ranges from the base station to create improved models of clock error, atmospheric error, satellite orbit, and selective availability (if active). These models are used to improve the conversion of aircraft raw ranges to aircraft position. The Trajecto corrected GPS was checked for speed busts.

Checking all data for adherence to specifications was carried out in the field by the FUGRO AIRBORNE SURVEYS CORPORATION field geophysicist.

IV**DATA PROCESSING****Flight Path Recovery**

Data used: GPS positions recalculated from the recorded raw range data and differentially corrected.

Final positions:

Map Projection: UTM Zone 17N

Spheroid: Clarke 1866

Datum: NAD27

Central meridian: 81° West

False Easting: 500,000 metres

False Northing: 0 metres

Scale factor: 0.9996

Altitude Data (Radar, Barometric and GPS elevation)

Noise editing: Alfatrim median filter used to eliminate the two highest and two lowest values from the statistical distribution of a 9 point sample window for the radar data, and a median filter eliminating the highest and lowest values from a 7 point sample window was used for the barometric data.

Noise filtering: Triangular filters were set to remove radar altimeter, barometric altimeter and GPS elevation wavelengths less than 4 seconds.

Diurnal Magnetics

Noise editing: Alfatrim median filter used to eliminate the two highest and two lowest values from the statistical distribution of a 9 point sample window.

Culture editing: Polynomial interpolation via a graphic screen editor.

Noise filtering: Triangular filter set to remove wavelengths less than 4 seconds.

Extraction of long wavelength component: Low-pass filter set to retain only wavelengths > 30 seconds.

Magnetics

Lag correction: 3.0 seconds

Noise editing: 4th difference editing routine set to remove spikes greater than 0.5 nT, followed by an alftrim median filter eliminating the high and the low value from its calculation over a 5 point window.

Noise filtering: Triangular filter set to remove noise events having a wavelength less than 1 second and an amplitude less than 0.5 nT.

Diurnal subtraction: The long wavelength component of the diurnal (greater than 30 seconds) was removed from the data prior to the levelling analysis.

Regional removal: The International Geomagnetic Reference Field (IGRF) was calculated for the period 2000.8 and removed from the data prior to the start of levelling.

Levelling: The first stage of levelling of the magnetic data (correcting for residual diurnal effects, altitude differences and positioning errors) was done on the line data by automatically comparing the values of the total field at the intersection of each line and tie line. The differences were analyzed and a compensation was calculated at each intersection in order to provide a pattern of smoothly varying adjustments along each line and tie-line. Erratic differences, implying an error in the intersection location, were carefully checked and corrected.

The second step consisted of applying a micro-levelling routine to the gridded data to remove any residual errors remaining in the data after the regular tie-line leveling process.

Gridding: The data was gridded with a 50 m grid cell size, using an Akima routine.

Electromagnetics

Lag correction: 3.6 seconds

Data correction: The x, y and z-coil data were processed from the 20 raw channels recorded at 4 samples per second.

The following processing steps were applied to the dB/dt and B-field data from all coil sets:

- a) the data from channels 1 to 5 (on-time) and 6 to 20 (off-time) were corrected for drift in flight form (prior to cutting the recorded data back to the correct line limits) by passing a low order polynomial function through the baseline minima along each channel, via a graphic screen display;
- b) the data were edited for residual spheric spikes by examining the decay pattern of each individual EM transient. Bad decays (i.e. not fitting a normal exponential function) were deleted and replaced by interpolation;
- c) correct the X and Z-coil data for low frequency, incoherent noise elements (that do not correlate from channel to channel) in the data, by analysing the decay patterns of channels 12 to 20 (OMEGA process);
- d) noise filtering done using an adaptive filter technique based on time domain triangular operators. Using a 2nd difference value to identify changes in gradient along each channel, minimal filtering (3 point convolution) is applied over the peaks of the anomalies, ranging in set increments up to a maximum amount of filtering in the resistive background areas (23 points for both the X-coil and the Z-coil data). For the Y-coil data, spikes were removed using an alftrim median filter to isolate extreme high and low values. This was followed by the application of a small running average filter;
- e) the filtered data from the X, Y and Z-coils were then re-sampled to a sample rate of 5 samples/sec and combined into a common file for archiving.

Anomaly Selection: Anomalies were selected by fitting the data from the standard (dB/dt) X-coil channels 9 to 20 to the vertical plate model, in order to extract conductance and depth information. Comparison of the response from the X and Z-coil data were made during the anomaly review to help with the final selection of the anomalies.

V

FINAL PRODUCTS

Map

Magnetic Total Field (IGRF removed), plus EM anomalies

Presentation = Data trimmed to claim boundaries, over complete planimetric base

Scale = 1:20,000

Base = Clear UTM

Media/Copies = 2 paper prints

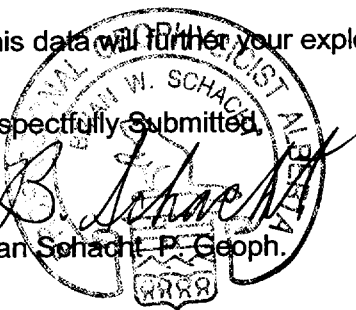
Report

Two copies of the Logistics and Processing Report.

We trust this data will further your exploration program. We remain available for questions at any time.

Respectfully Submitted,

Brian Schacht, P. Geoph.



Appendix A

GEOTEM EM System

APPENDIX A

GEOTEM[®] ELECTROMAGNETIC SYSTEM

General

The operation of a towed-bird time-domain electromagnetic system (EM) involves the measurement of decaying secondary electromagnetic fields induced in the ground by a series of short current pulses generated from an aircraft-mounted transmitter. Variations in the decay characteristics of the secondary field (sampled and displayed as windows) are analyzed and interpreted to provide information about the subsurface geology. The response of such a system utilizing a vertical-axis transmitter dipole and a multicomponent receiver coil has been documented by various authors including Smith and Keating (1991, *Geophysics* v.61, p. 74-81).

The principle of sampling the induced secondary field in the absence of the primary field (during the "off-time") gives rise to an excellent signal-to-noise ratio and an increased depth of penetration compared to conventional continuous wave (frequency domain) electromagnetic systems. Such a system is also relatively free of noise due to air turbulence. However, also sampling in the "on-time" (Annan et al., 1991, *Geophysics* v.61, p. 93-99) can result in excellent sensitivity for mapping very resistive features and very conductive features, and thus mapping geology.

Through free-air model studies using the University of Toronto's Plate and Layered Earth programs it may be shown that the "depth of investigation" depends upon the geometry of the target. Typical depth limits would be 400 m below surface for a homogeneous half-space, 550 m for a flat-lying inductively thin sheet or 350 m for a large vertical plate conductor. These depth estimates are based on the assumptions that the overlying or surrounding material is resistive.

The method also offers very good discrimination of conductor geometry. This ability to distinguish between flat-lying and vertical conductors combined with excellent depth penetration results in good differentiation of bedrock conductors from surficial conductors.

Methodology

GEOTEM[®] (GEOterrex Transient ElectroMagnetic system) is a time-domain towed-bird electromagnetic system incorporating a high-speed digital EM receiver. The primary electromagnetic pulses are created by a series of discontinuous sinusoidal current pulses fed into a three- or six-turn transmitting loop surrounding the aircraft and fixed to the nose, tail and wing tips. The base frequency rate is selectable: 25, 30, 75, 90, 125, 150, 225 and 270 Hz. The length of the pulse can be tailored to suit the targets. Standard pulse widths available are 0.6, 1.0, 2.0 and 4.0 ms. The available off-time can

be selected to be as great as 16 ms. The current depends on the pulse width but the dipole moment can be as great as $6.7 \times 10^5 \text{ Am}^2$.

The receiver is a three-axis (x,y,z) induction coil which is towed by the aircraft on a 135-metre or 125-metre cable. The tow cable is non-magnetic, to reduce noise levels. The usual mean terrain clearance for the aircraft is 120 m with the EM bird being situated nominally 50 m below and 125 m behind the aircraft (see figure 1).

For each primary pulse a secondary magnetic field is produced by decaying eddy currents in the ground. These in turn induce a voltage in the receiver coils, which is the electromagnetic response.

The measured signals pass through anti-aliasing filters and are then digitized with an A/D converter at sampling rates of up to 80 kHz. The digital data flows from the A/D converter into an industrial-grade computer where the data are processed to reduce the noise.

Operations, which are carried out in the receiver, are:

1. *Compensation:* During flight, the transmitter creates eddy currents within the structure of the aircraft that have a measurable effect at the bird. Compensation for this signal is effected numerically within the receiver by a statistical analysis of the signal detected at the bird in absence of ground response. This is achieved by flying at an altitude such that no ground response is measurable. The observed signal is used to define a compensation signal, which is subtracted from the observed to effectively buck out any response due to the aircraft.
2. *Transient Analysis:* Transient analysis permits the separation of specific types of noise from the signal in real time.
3. *Digital Stacking:* Stacking is carried out to reduce the effect of broadband noise on the data.
4. *Windowing of data:* The GEOTEM[®] digital receiver samples the secondary and primary electromagnetic field at 64, 128 or 384 points per EM pulse and windows the signal in up to 20 time gates whose centres and widths are software selectable and which may be placed anywhere within or outside the transmitter pulse. This flexibility offers the advantage of arranging the gates to suit the goals of a particular survey, ensuring that the signal is appropriately sampled through its entire dynamic range.
5. *Power Line Filtering:* Digital comb filters are applied to the data during real-time processing to remove power line interference while leaving the EM signal undisturbed. The RMS power line voltage (at all harmonics in the receiver passband) are computed, displayed and recorded for each data stack.
6. *Primary Field:* The primary field at the towed sensor is measured for each stack and recorded as a separate data channel to assess the variation in coupling between the aircraft and the towed sensor induced by changes in system geometry.

7. *Earth Field Monitor:* A monitor of sensor coil motion noise induced by coil motion in the Earth's magnetic field is also extracted in the course of the real-time digital processing. This information is also displayed on the real-time chart as well as being recorded for post-survey diagnostic processes.
8. *Noise/Performance:* A monitor computes the RMS signal level on an early off-time channel over a running 10-second window. This monitor provides a measure of noise levels in areas of low ground response. This information is printed at regular intervals on the side of the flight record and is recorded for every data stack.

One of the major roles of the GEOTEM[®] digital receiver is to provide diagnostic information on system functions and to allow for identification of noise events, such as spherics, which may be selectively removed from the EM signal.

GEOTEM[®]'s high digital sampling rate yields maximum resolution of the secondary field. The absence of an analog system time-constant filter results in minimal signal distortion and, therefore, superior representation of the anomaly amplitudes and shapes.

System Hardware

The GEOTEM[®] system is an integrated whole, consisting of the CASA 212 aircraft, the on-board hardware, and the software packages controlling the hardware.

The software packages in the GEODAS data acquisition system and in the GEOTEM[®] receiver were developed in-house. Likewise, certain elements of the hardware (GEOTEM[®] transmitter, system timing clock, towed-bird receiver system) were developed in-house.

Transmitter System

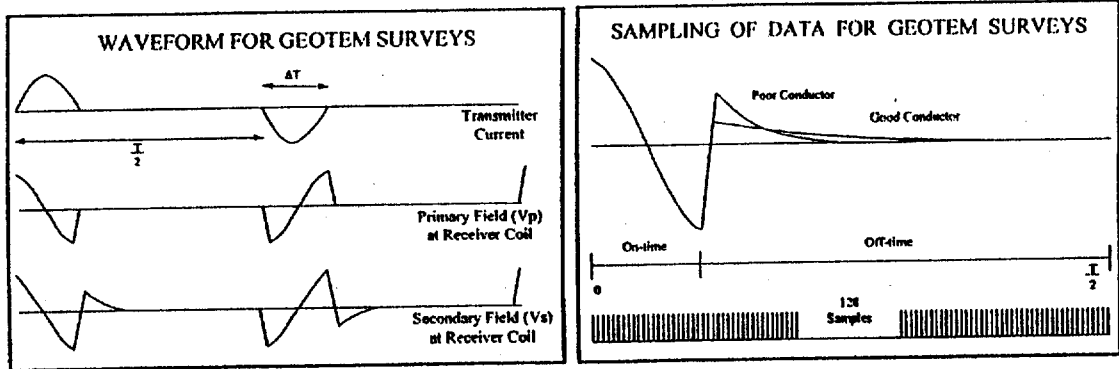
The transmitter system drives high-current pulses of an appropriate shape and duration through the coils mounted on the CASA aircraft.

System Timing Clock

This subsystem provides appropriate timing signals to the transmitter, and also to the analog-to-digital converter, in order to produce output pulses and capture the ground response.

Towed-Bird Receiver System

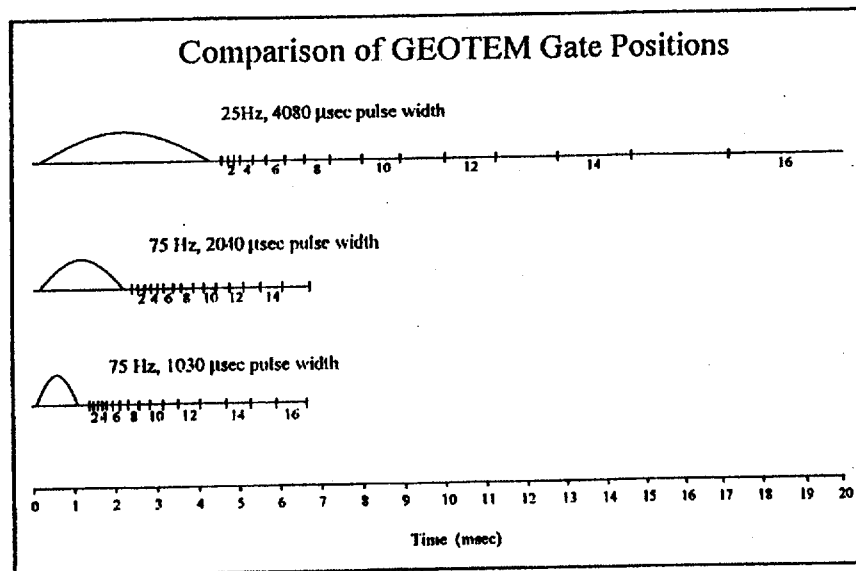
A three-axis induction coil is mounted inside a towed bird, which is typically 50 metres below and 125 metres behind the aircraft. (A second bird, housing the magnetometer sensor, is typically 45 metres below and 80 metres behind the aircraft.)



The GEOTEM system waveform (left frame) and sampling (right frame)

Timing of GEOTEM™ data acquisition for typical configurations

Base Frequency [Hz]	150	90	30	125	75	25
Pulse Width [ms]	1.02	2.04	4.14	1.02	2.04	4.14
Total Halfcycle [ms]	3.33	5.56	16.67	4.00	6.67	20.00
Off-Time [ms]	2.31	3.52	12.53	2.98	4.63	15.86
TX pulses / second	240	144	48	200	120	40
Eff. Digitising Rate [samples/sec]	38,400	23,040	7,680	32,000	19,200	6,400
Pulses per Reading	60	36	12	50	30	10
Stored readings / second	4	4	4	4	4	4
Samples per transient	128	128	128	128	128	128
Number of Channels	20	20	20	20	20	20
- off-time	16	15	15	16	15	16
- in-pulse	4	5	5	4	5	4



Standard GEOTEM gate positions

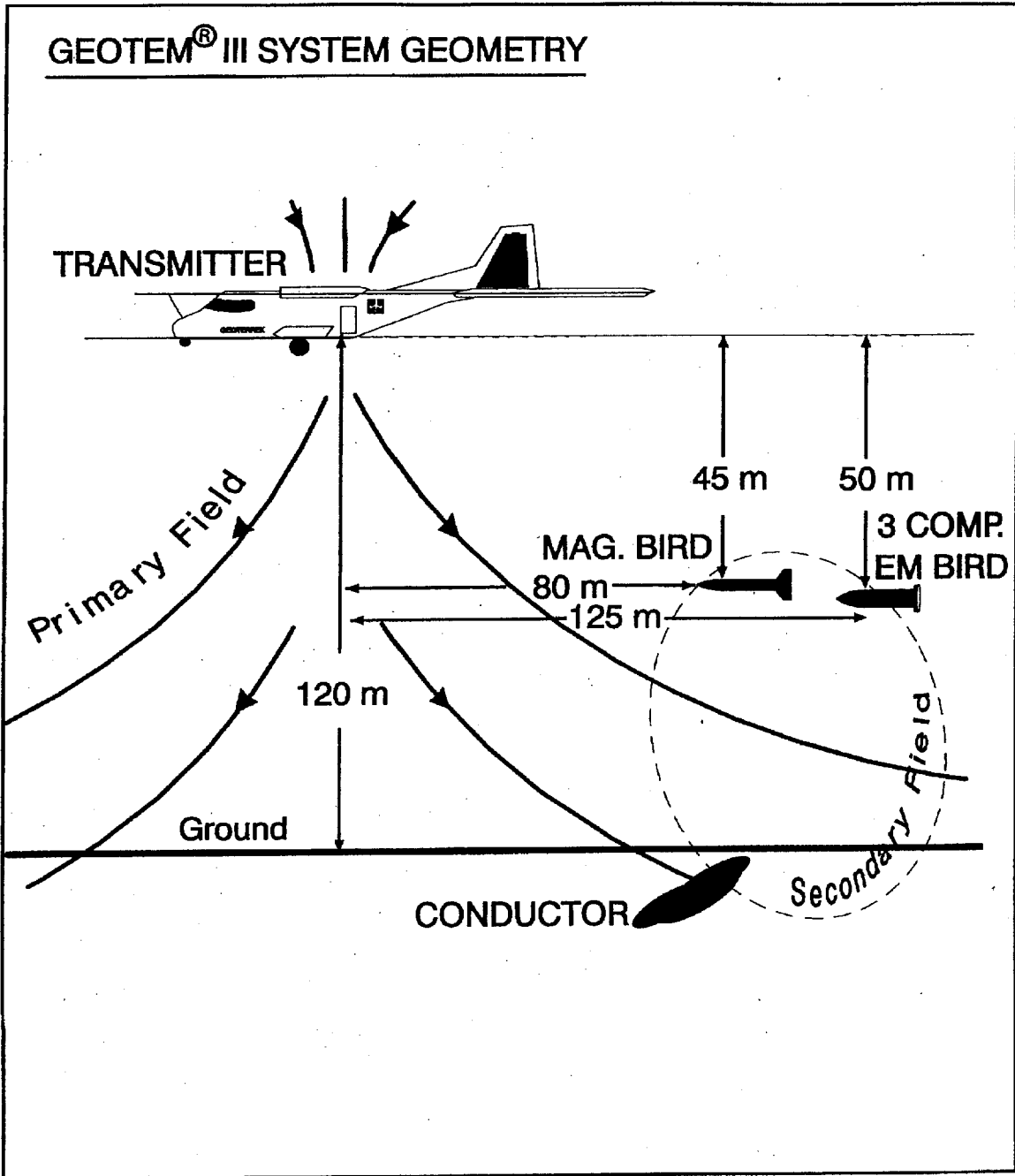


Figure 1

Appendix B

GEOTEM Interpretation Notes

GEOTEM[®] INTERPRETATION

I. INTRODUCTION

The basis of the transient electromagnetic (EM) geophysical surveying technique relies on the premise that changes in the primary EM field produced in the transmitting loop will result in eddy currents being generated in any conductors in the ground. The eddy currents then decay to produce a secondary EM field which may be sensed as a voltage in the receiver coil.

GEOTEM¹ (GEOTerrex Transient ElectroMagnetic system) is an airborne transient (or time-domain) towed-bird EM system incorporating a high-speed digital receiver which records the secondary field response with a high degree of accuracy. Most often the total magnetic field is recorded concurrently.

Although the approach to GEOTEM interpretation varies from one survey to another depending on the type of data presentation, objectives and local conditions, the following generalizations may provide the reader with some helpful background information.

The main purpose of the interpretation is to determine the probable origin of the conductors detected during the survey and to suggest recommendations for further exploration. This is possible through an objective analysis of all characteristics of the different types of conductors and associated magnetic anomalies, if any. If possible the airborne results are compared to other available data. A certitude is seldom reached, but a high probability is achieved in identifying the conductive causes in most cases. One of the most difficult problems is usually the differentiation between surface conductors and bedrock conductors.

II. TYPES OF CONDUCTORS

A. Bedrock conductors

The different types of bedrock conductors normally encountered are the following:

1. *Graphites*. Graphitic horizons (including a large variety of carbonaceous rocks) occur in sedimentary formations of the Precambrian as well as in volcanic tuffs, often concentrated in shear zones. They correspond generally to long, multiple conductors lying in parallel bands. They have no magnetic expression unless associated with pyrrhotite or magnetite. Their conductivity is variable but generally high.

¹ GEOTEM[®]: Registered Trade Mark of Fugro Airborne Surveys Corporation.

2. Massive sulphides. Massive sulphide deposits usually manifest themselves as short conductors of high conductivity, often with a coincident magnetic anomaly. Some massive sulphides, however, are not magnetic, others are not very conductive (discontinuous mineralization), and some may be located among formational conductors so that one must not be too rigid in applying the selection criteria.

In addition, there are syngenetic sulphides whose conductive pattern may be similar to that of graphitic horizons but these are generally not as prevalent as graphites.

3. Magnetite and some serpentized ultrabasics. These rocks are conductive and very magnetic.
4. Manganese oxides. This mineralization may give rise to a weak EM response.

B. Surficial Conductors

1. Beds of clay and alluvium, some swamps, and brackish ground water are usually poorly conductive to moderately conductive.
2. Lateritic formations, residual soils and the weathered layer of the bedrock may cause surface anomalous zones, the conductivity of which is generally low to medium but can occasionally be high. Their presence is often related to the underlying bedrock.

C. Cultural Conductors (Man-Made)

1. Power lines. These frequently, but not always, produce a conductive type of response on the GEOTEM record. In the case of direct radiation of its field, a power line is easily recognized by a GEOTEM anomaly which exhibits phase changes between different channels. In the case of a grounded wire, or steel pylon, the anomaly may look very much like a bedrock conductor.
2. Grounded fences or pipelines. These will invariably produce responses much like a bedrock conductor. Whenever they cannot be identified positively, a ground check is recommended.
3. General culture. Other localized sources such as certain buildings, bridges, irrigation systems, tailings ponds etc., may produce GEOTEM anomalies. Their instances, however, are rare and often they can be identified on the visual path recovery system.

III. ANALYSIS OF THE CONDUCTORS

The apparent conductivity alone is not generally a decisive criterion in the analysis of a conductor. In particular, one should note:

- its shape and size,
- all local variations of characteristics within a conductive zone,
- any associated geophysical parameter (e.g. magnetics),
- the geological environment,
- the structural context, and
- the pattern of surrounding conductors.

The first objective of the interpretation is to classify each conductive zone according to one of the three categories which best defines its probable origin. The categories are cultural, surficial and bedrock. A second objective is to assign to each zone a priority rating as to its potential as an economic prospect.

A. Bedrock Conductors

This category comprises those anomalies which cannot be classified according to the criteria established for cultural and surficial responses. It is difficult to assign a universal set of values which typify bedrock conductivity because any individual zone or anomaly might exhibit some, but not all, of these values and still be a bedrock conductor. The following criteria are considered indicative of a bedrock conductor:

1. An intermediate to high conductivity identified by a response with slow decay, with deflections most often present in the later channels.
2. The anomaly should be narrow, relatively symmetrical, with a well-defined peak.
3. There should be no serious displacement of anomaly position or change in anomaly shape (other than mirror image) with respect to flight direction, except in the case of non-vertical dipping bodies. The alternating character of the response as a result of line direction can be diagnostic of conductor geometry. Figures 2 to 6 illustrate anomalies associated with different target models.
4. A small to intermediate amplitude. Large amplitudes are normally associated with surficial conductors. The amplitude varies according to the depth of the source.
5. A degree of continuity of the EM characteristics across several lines.

6. An associated magnetic response of similar dimensions. One should note, however, that those rocks which weather to produce a conductive upper layer will possess this magnetic association. In the absence of one or more of the characteristics defined in 1, 2, 3 and 4, the related magnetic response cannot be considered significant.

Most obvious bedrock conductors occur in long, relatively monotonous, sometimes multiple zones following formational strike. Graphitic material is usually the most probable source. Massive syngenetic sulphides extending for many kilometres are known in nature but, in general, they are not common. Long formational structures associated with a strong magnetic expression may be indicative of banded iron formations.

A bedrock conductor reflecting the presence of a massive sulphide would normally exhibit the following characteristics:

- a high conductivity,
- a good anomaly shape (narrow and well-defined peak),
- a small to intermediate amplitude,
- an isolated setting,
- a short strike length (in general, not exceeding one kilometre), and
- preferably, with a localized magnetic anomaly of matching dimensions.

B. Surficial Conductors

This term is used for geological conductors in the overburden, either glacial or residual in origin, and in the weathered layer of the bedrock. Most surficial conductors are probably caused by clay minerals. In some environments the presence of salts will contribute to the conductivity. Other possible electrolytic conductors are residual soils, swamps, brackish ground water and alluvium such as lake or river-bottom deposits, flood plains and estuaries.

Normally, most surficial materials have low to intermediate conductivity so they are not easily mistaken for highly conductive bedrock features. Also, many of them are wide and their anomaly shapes are typical of broad horizontal sheets.

When surficial conductivity is high it is usually still possible to distinguish between a horizontal plate (more likely to be surficial material) and a vertical body (more likely to be a bedrock source) thanks to the asymmetry of the GEOTEM responses observed at the edges of a broad conductor when flying adjacent lines in opposite directions. The configuration of the system is such that the response recorded at the leading edge is more pronounced than that registered at the trailing edge. Figure 1 illustrates the "edge effect" and the resulting conductive pattern in plan view. In practice there are many variations on this very diagnostic phenomenon.

One of the more ambiguous situations as to the true source of the response is when surface conductivity is related to bedrock lithology as for example, surface alteration of an underlying bedrock unit. At times, it is also difficult to distinguish between a weak conductor within the bedrock (e.g. near-massive sulphides) and a surficial source.

In the search for massive sulphides or other bedrock targets, surficial conductivity is generally considered as interference but there are situations where the interpretation of surficial-type conductors is the primary goal. When soils, weathered or altered products are conductive, and in-situ, the GEOTEM responses are a very useful aid to geologic mapping. Shears and faults are often identified by weak, usually narrow, anomalies.

Analysis of surficial conductivity can be used in the exploration for such features as lignite deposits, kimberlites, paleochannels and ground water. In coastal or arid areas, surficial responses may serve to define the limits of fresh, brackish and salty water.

C. Cultural Conductors

The majority of cultural anomalies occur along roads and are accompanied by a response on the power line monitor. (This monitor is set to 50 or 60 Hz, depending on the local power grid.) Power lines are the most common source of the anomalies and many are recognized immediately by virtue of phase reversals or an abnormal rate of decay. A certain number yield normal GEOTEM anomalies which could be mistaken for bedrock responses. There are also some power lines which have no GEOTEM response whatsoever.

The power line monitor, of course, is of great assistance in identifying cultural anomalies of this type. It is important to note, however, that geological conductors in the vicinity of power lines may exhibit a weak response on the monitor because of current induction via the earth.

Fences, pipelines, communication lines, railways and other man-made conductors can give rise to GEOTEM responses, the strength of which will depend on the grounding of these objects.

Another facet of this analysis is the line-to-line comparison of anomaly character along suspected man-made conductors. In general, the amplitude, the rate of decay, and the anomaly width should not vary a great deal along any one conductor, except for the change in amplitude related to terrain clearance variation. A marked departure from the average response character along any given feature gives rise to the possibility of a second conductor.

In most cases a visual examination of the site will suffice to verify the presence of a man-made conductor. If a second conductor is suspected the ground check is more difficult to accomplish. The object would be to determine if there is (i) a change in the man-made construction, (ii) a difference in the grounding conditions, (iii) a second cultural source, or (iv) if there is, indeed, a geological conductor in addition to the known man-made source.

The selection of targets from within extensive (formational) belts is much more difficult than in the case of isolated conductors. Local variations in the EM characteristics, such as in the amplitude, decay, shape etc., can be used as evidence for a relatively localized occurrence. Changes in the character of the EM responses, however, may be simply reflecting differences in the conductive formations themselves rather than indicating the presence of massive sulphides and, for this reason, the degree of confidence is reduced.

Another useful guide for identifying localized variations within formational conductors is to examine the magnetic data compiled as isomagnetic contours. Further study of the magnetic data can reveal the presence of faults, contacts and other features which, in turn, help define areas of potential economic interest.

Finally, once ground investigations begin, it must be remembered that the continual comparison of ground knowledge to the airborne information is an essential step in maximizing the usefulness of the GEOTEM data.

EDGE EFFECT

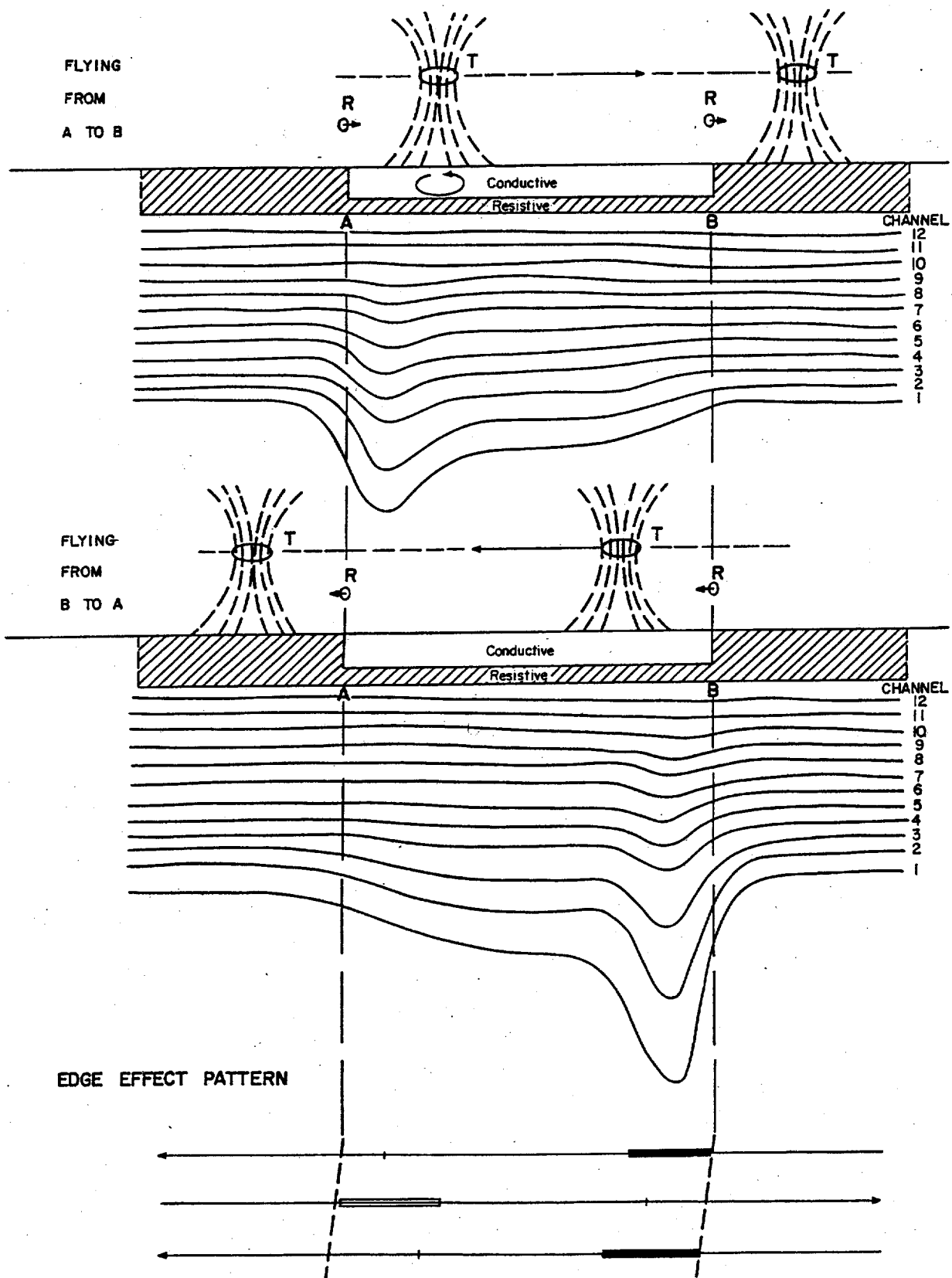
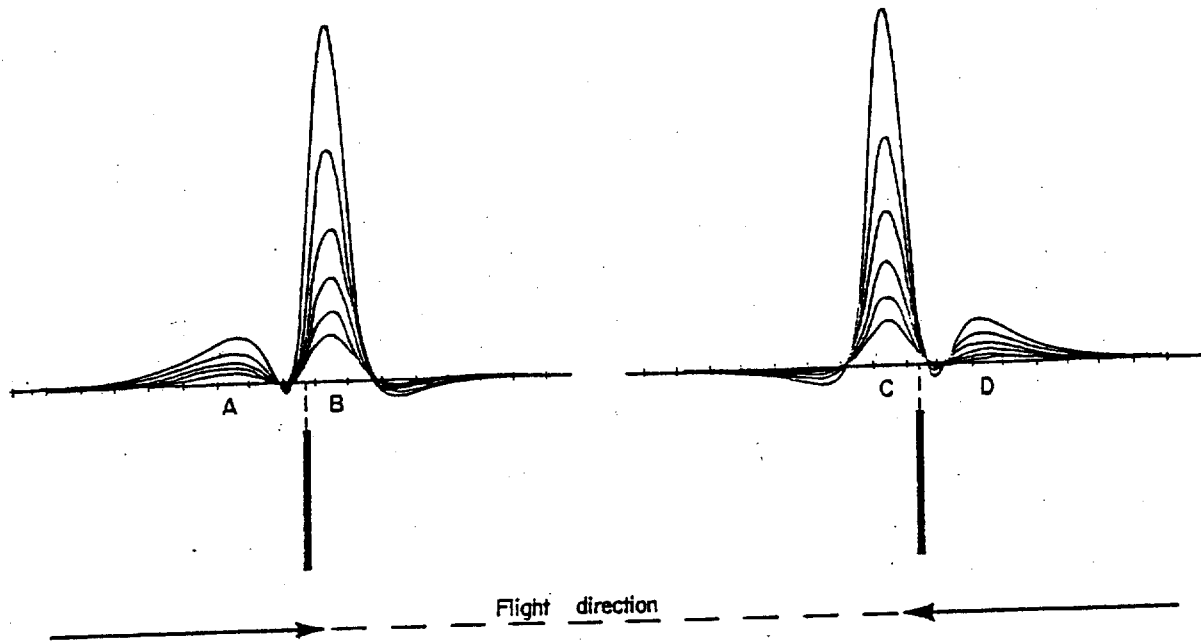


FIGURE 1

THE VERTICAL PLATE RESPONSE



ANOMALY MAP PRESENTATION (no lag applied)

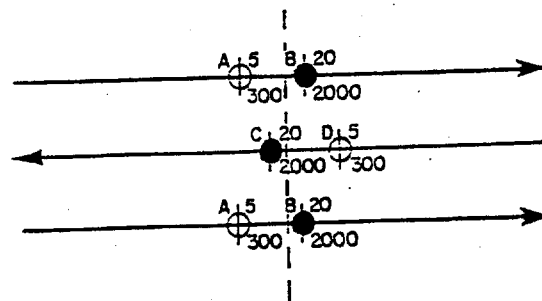
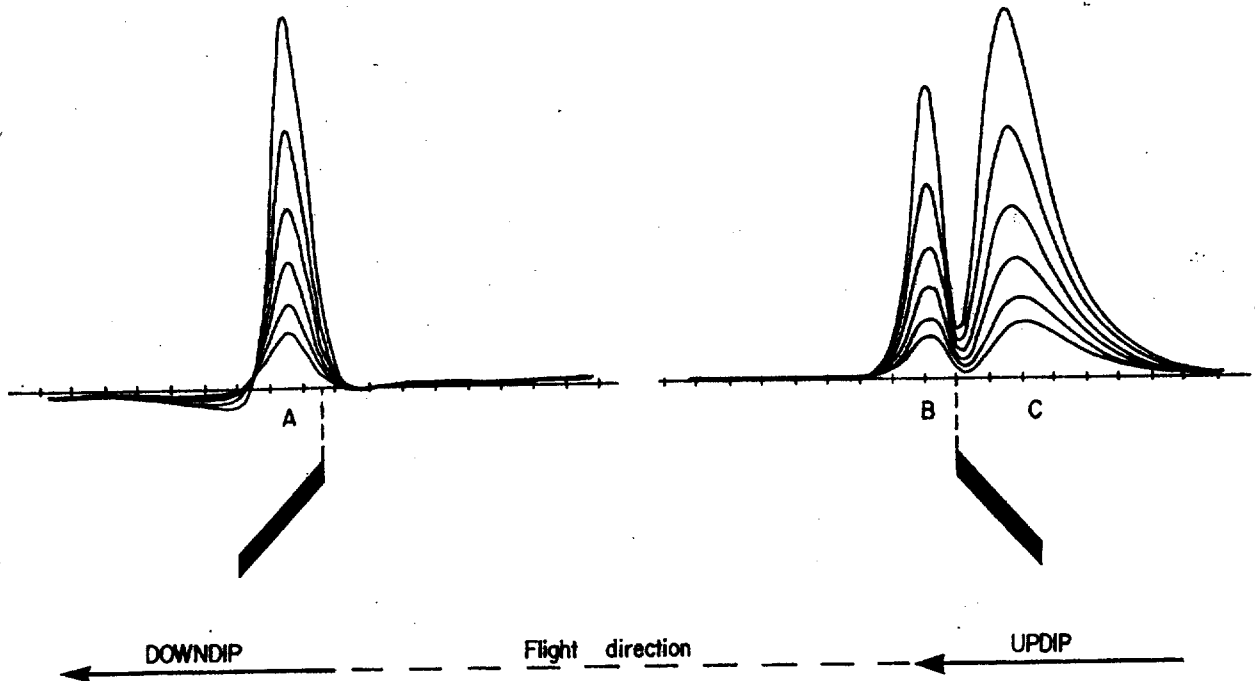


Figure 2

THE DIPPING PLATE RESPONSE



ANOMALY MAP PRESENTATION (no lag applied)

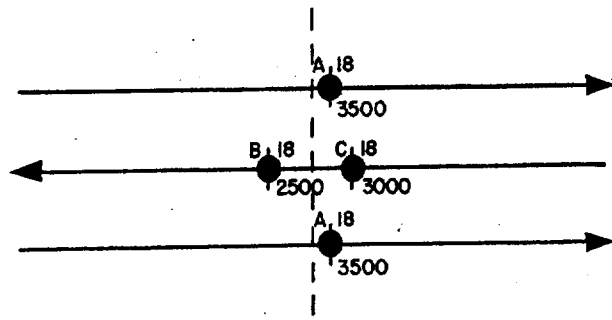
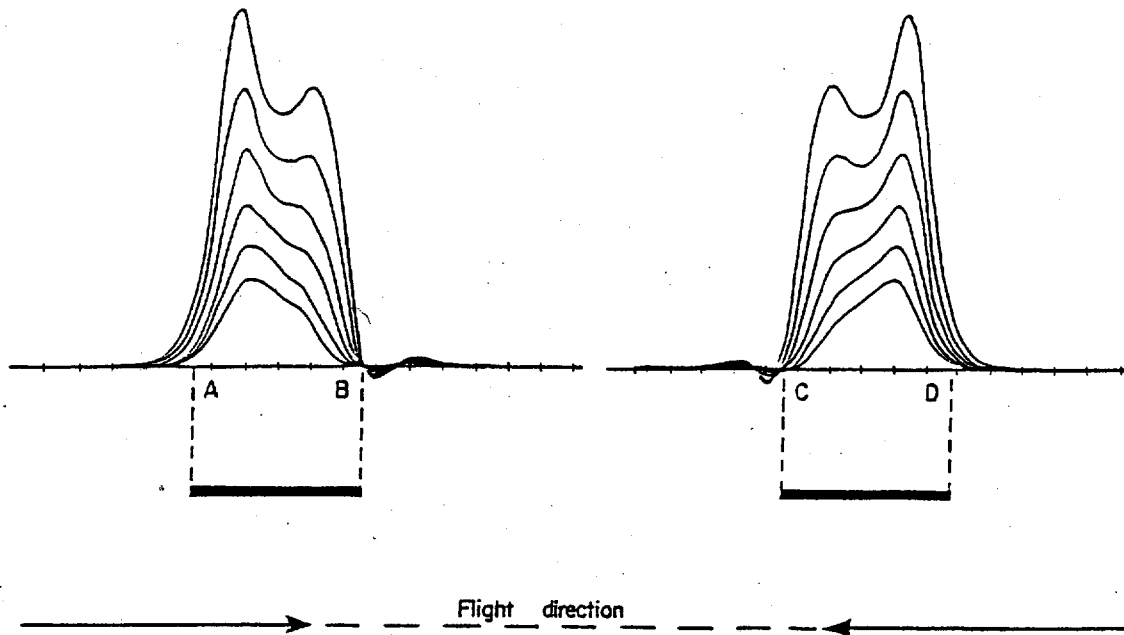


Figure 3

THE HORIZONTAL PLATE RESPONSE



ANOMALY MAP PRESENTATION (no lag applied)

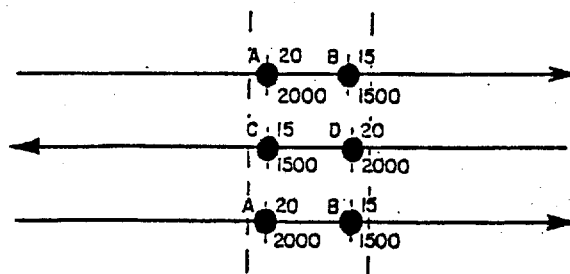
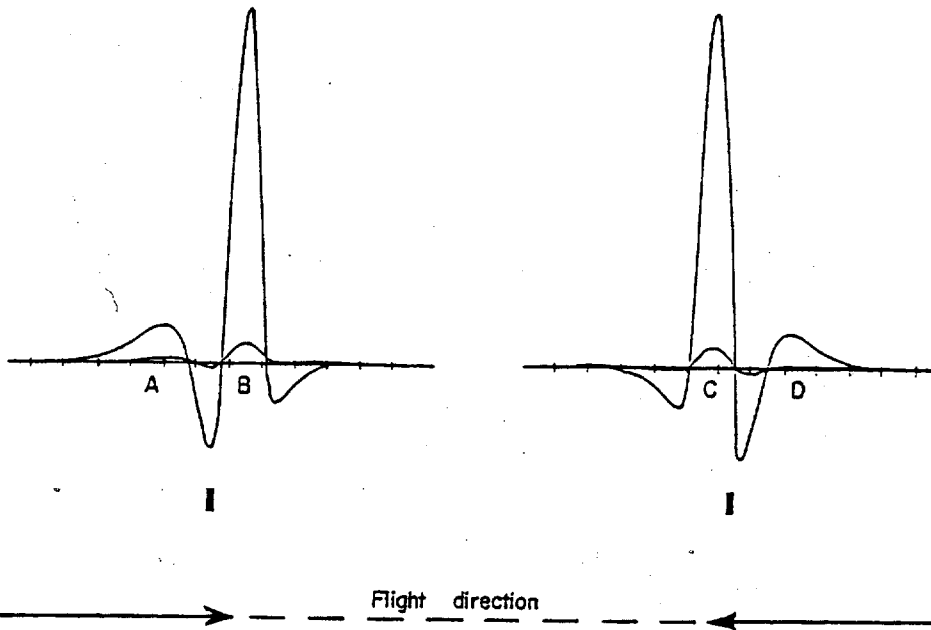


Figure 4

THE VERTICAL RIBBON RESPONSE



ANOMALY MAP PRESENTATION (no lag applied)

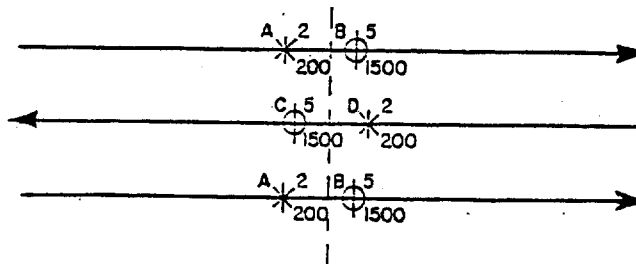
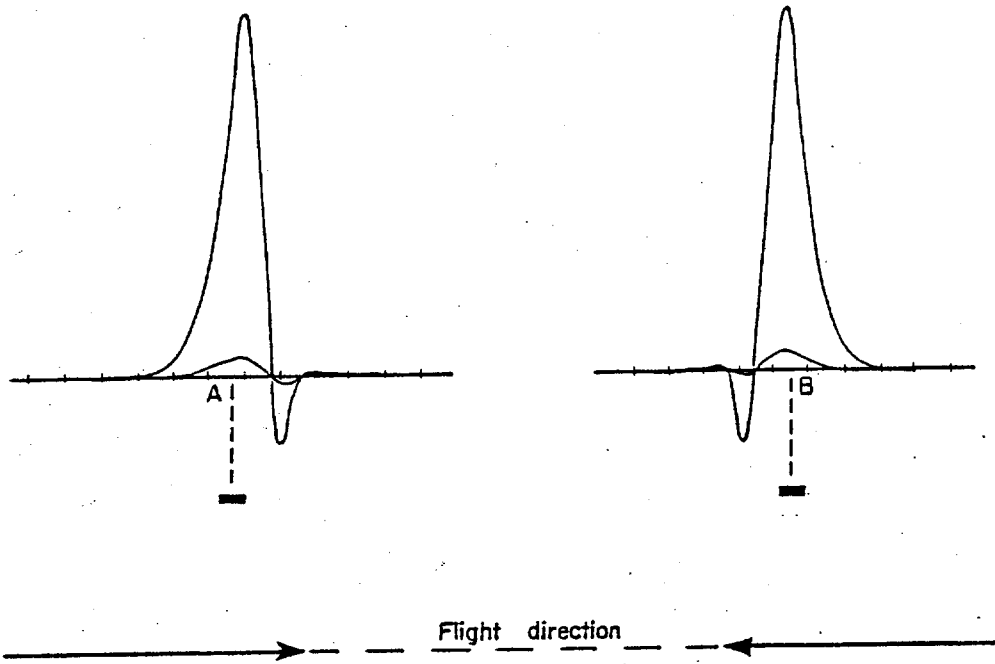


Figure 5

Fugro Airborne Surveys

THE HORIZONTAL RIBBON RESPONSE



ANOMALY MAP PRESENTATION (no lag applied)

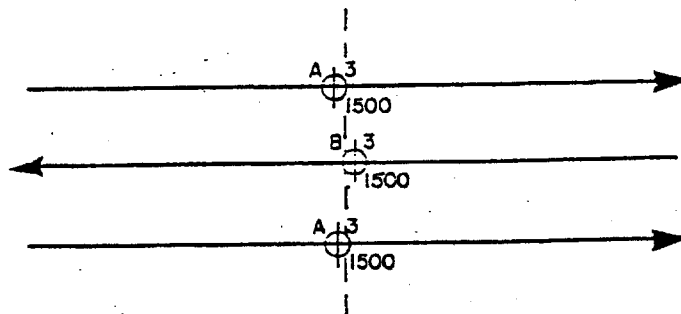


Figure 6

Appendix C

Multicomponent GEOTEM Modelling

Multicomponent GEOTEM modelling

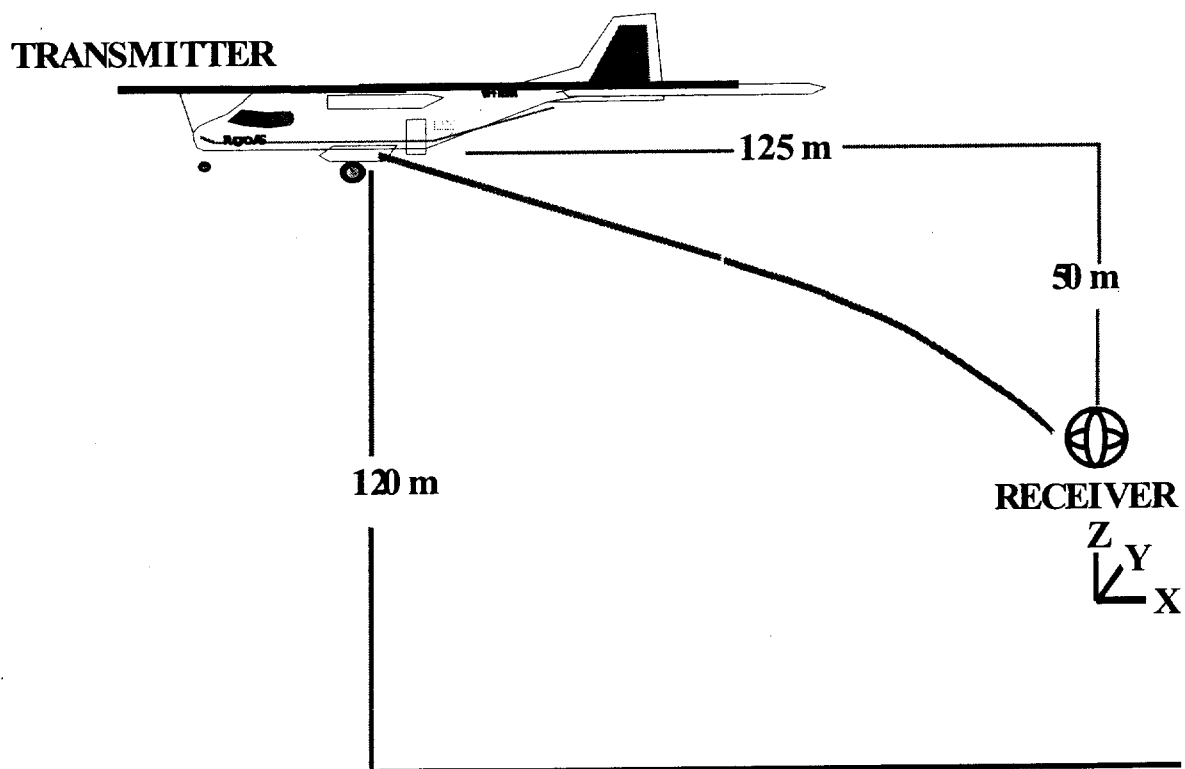
The PLATE program has been used to generate synthetic responses over a number of plate models with varying depth of burial (0, 150 and 300m) and dips (0, 45, 90 and 135 degrees). The geometry assumed for the GEOTEM system is shown on the following page, and the transmitter waveform on the subsequent page. For simplicity, only six receiver gates have been calculated and plotted.

In all cases the plate has a strike length of 600 m with a strike direction into the page. The width of the plate is 300 m. As the flight path traverses the centre of the plate, the y component is zero and has not been plotted.

The conductance of the plate is 20 S. In cases when the conductance is different, an indication of how the amplitudes may vary can be obtained from the nomogram included.

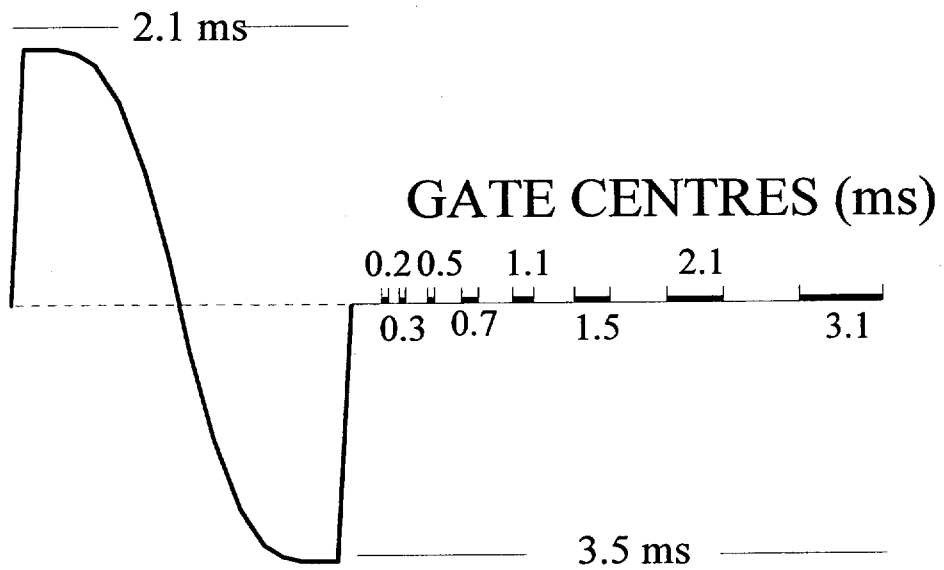
In the following plots all components are normalized to the total primary field.

Nominal GEOTEM geometry



Transmitter waveform and receiver sampling (90 Hz)

PULSE WIDTH



Nomogram

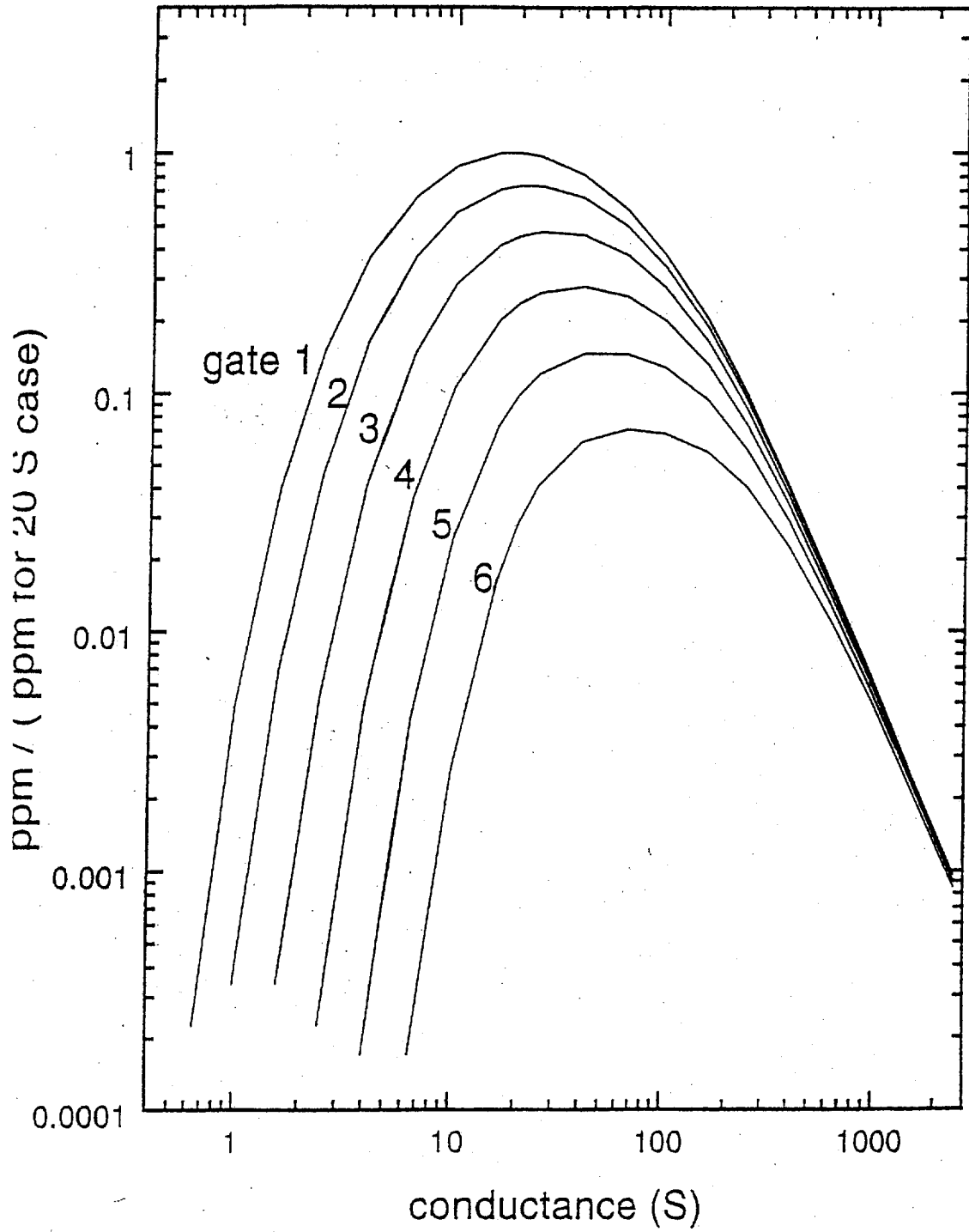


Plate: depth =0; dip =0

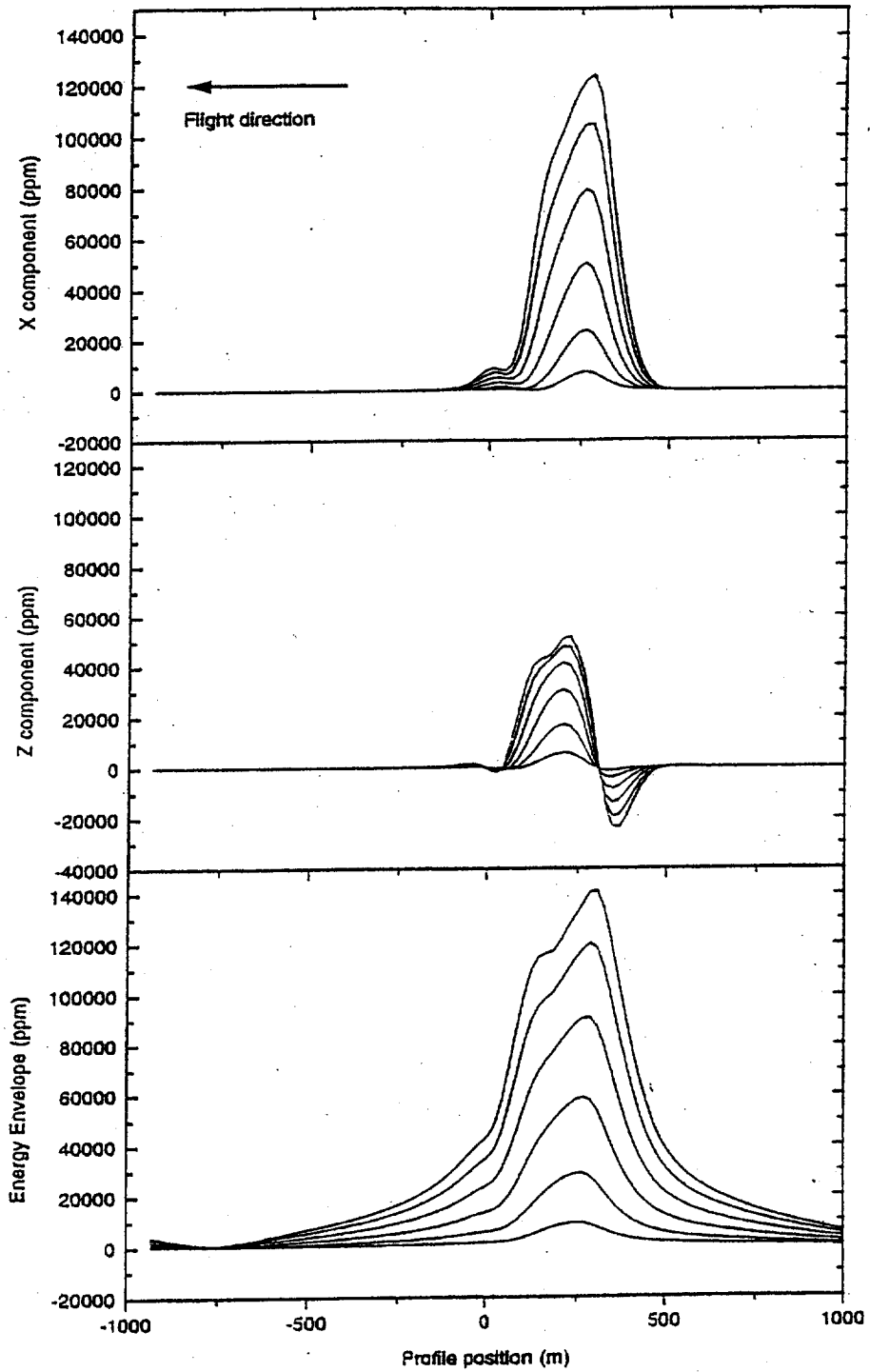


Plate: depth =0; dip =45

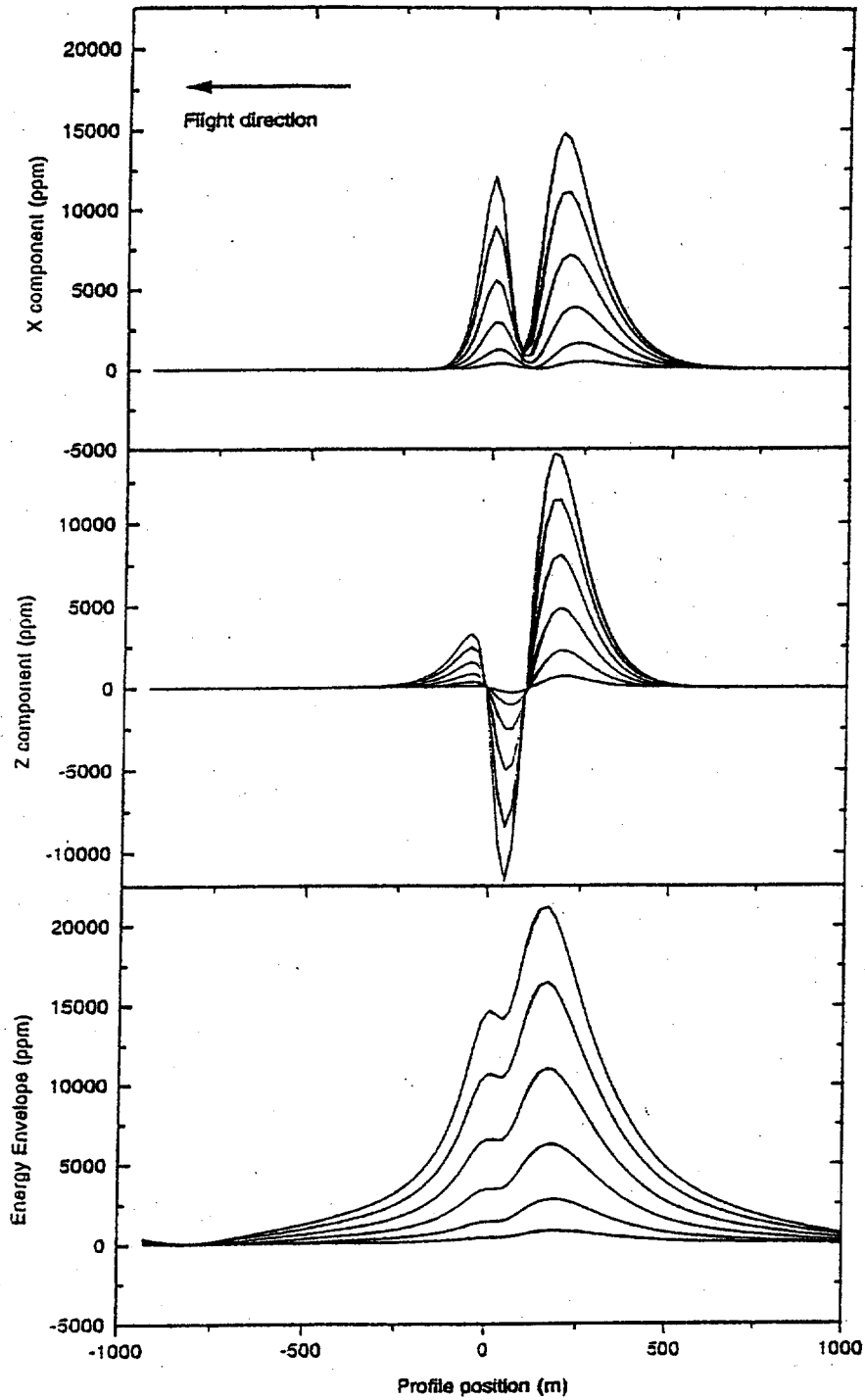


Plate: depth =0; dip =90

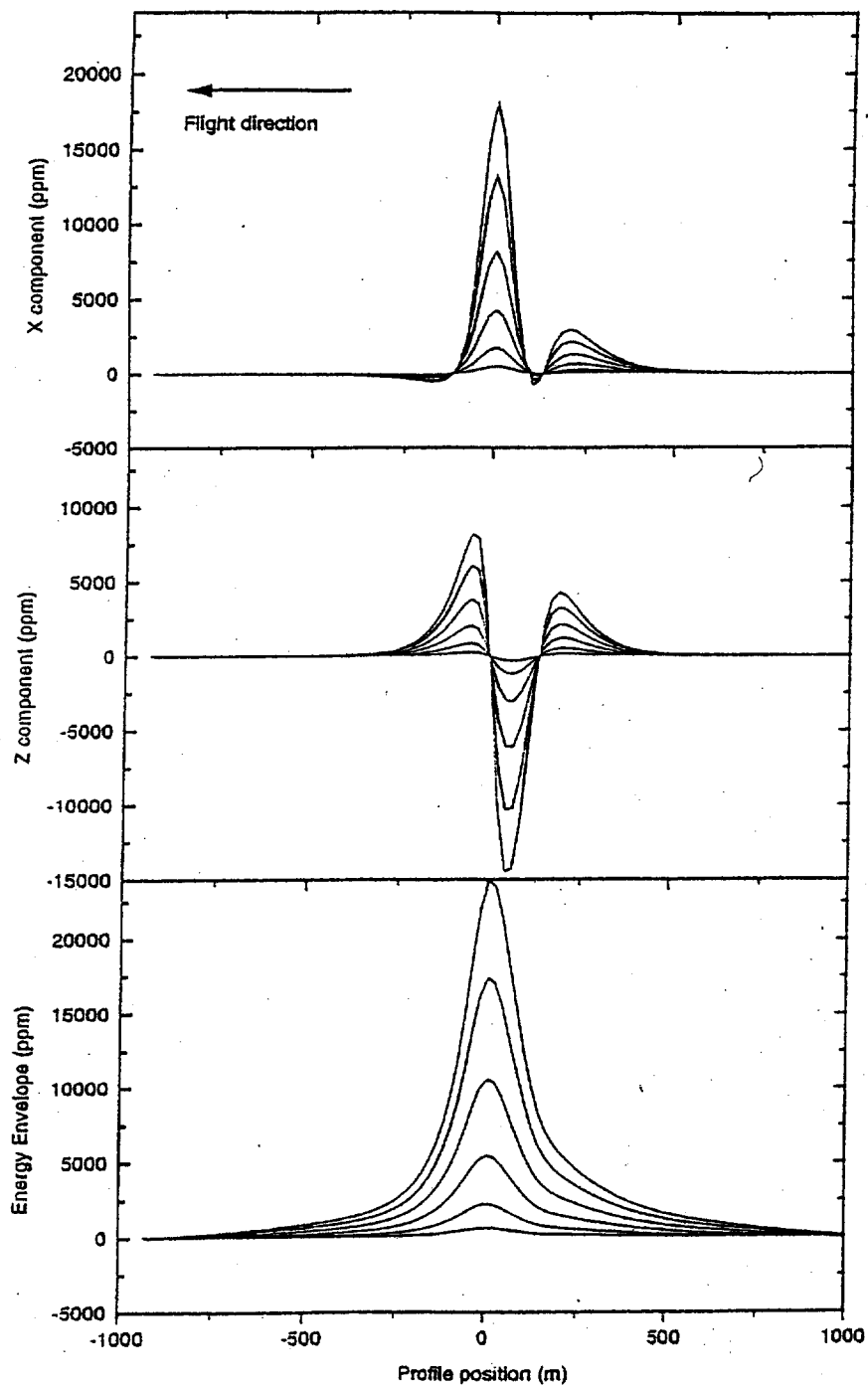
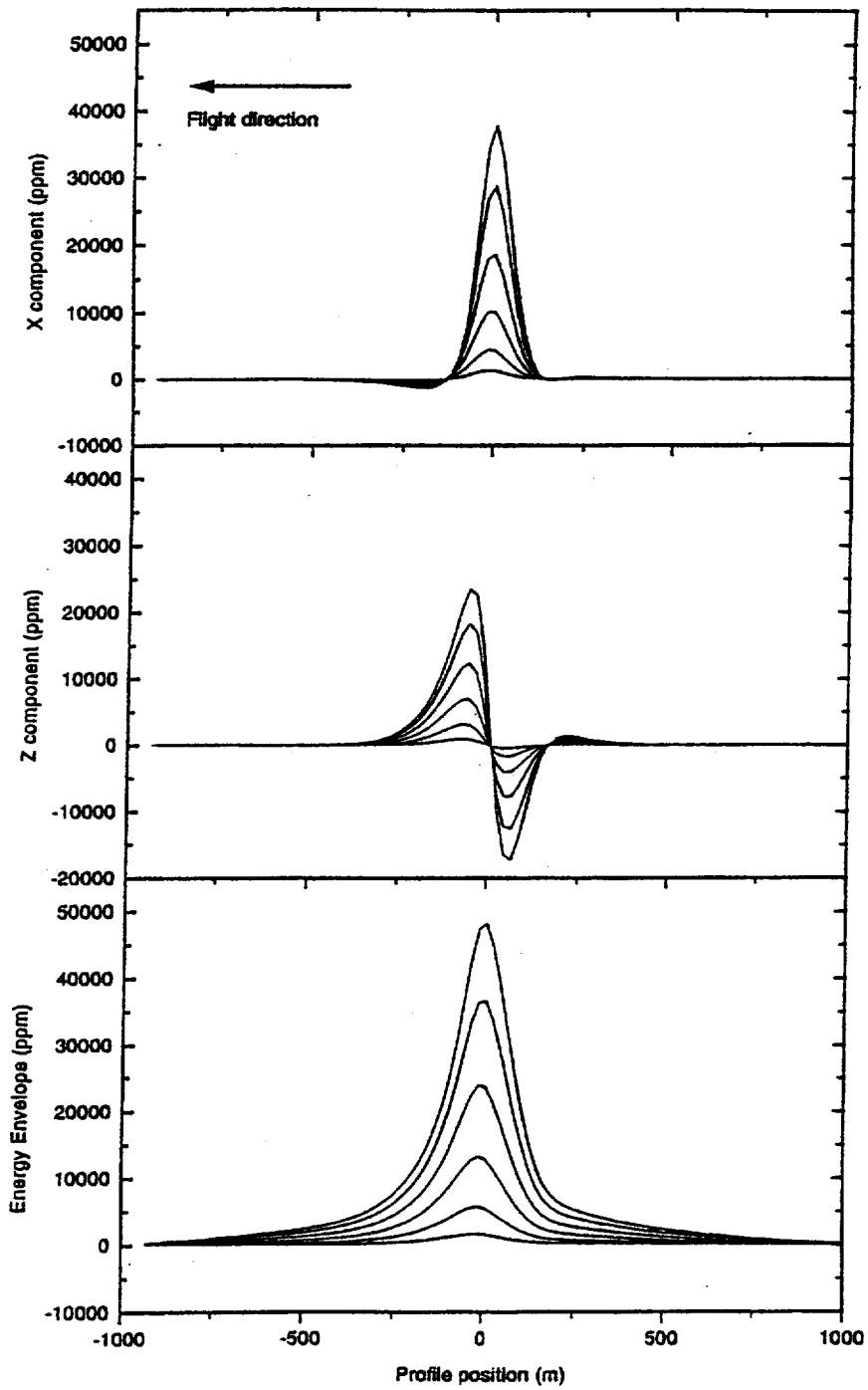
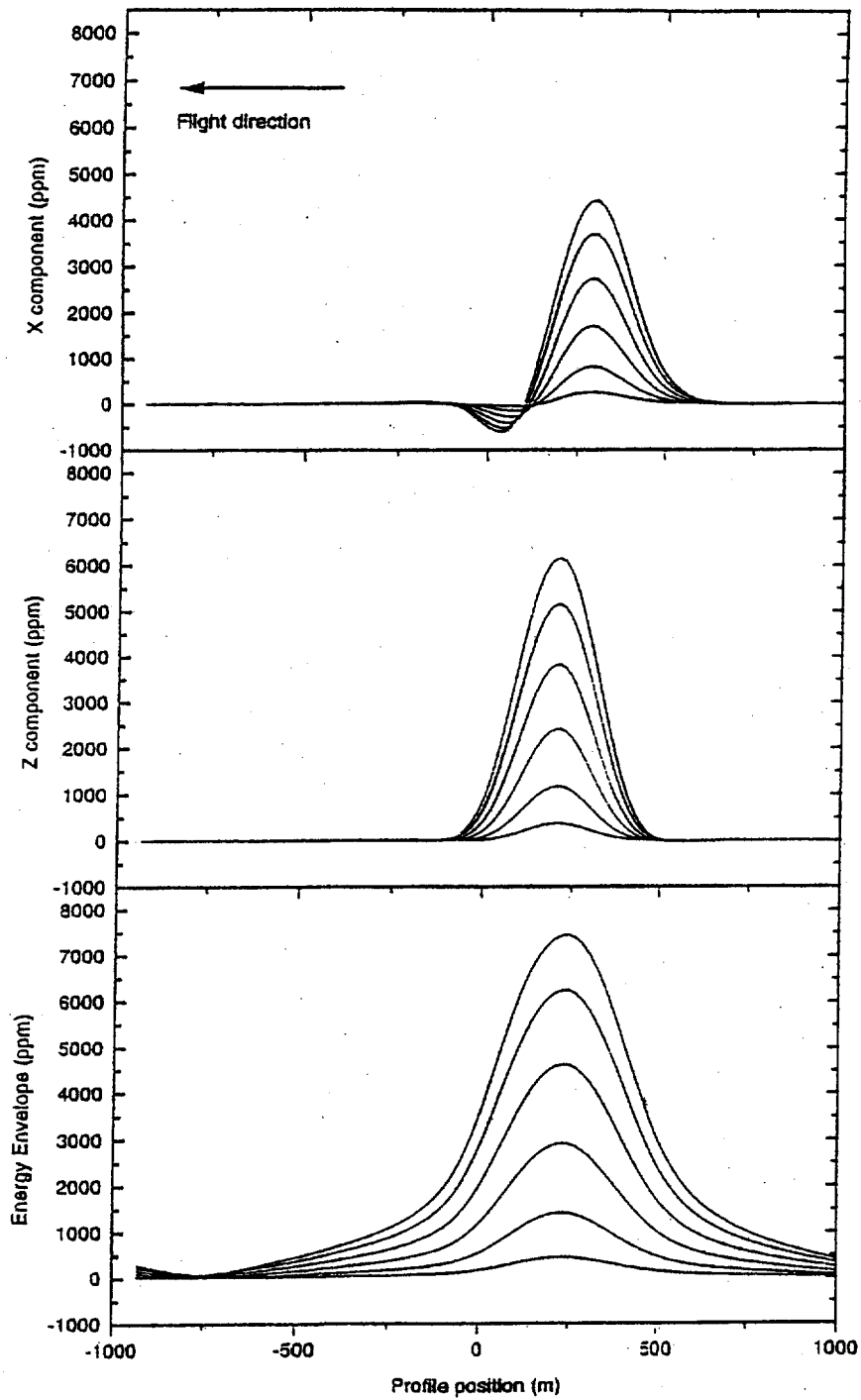


Plate: depth =0; dip =135



Fugro Airborne Surveys

Plate: depth = 150; dip = 0



Fugro Airborne Surveys

Plate: depth = 150; dip = 45

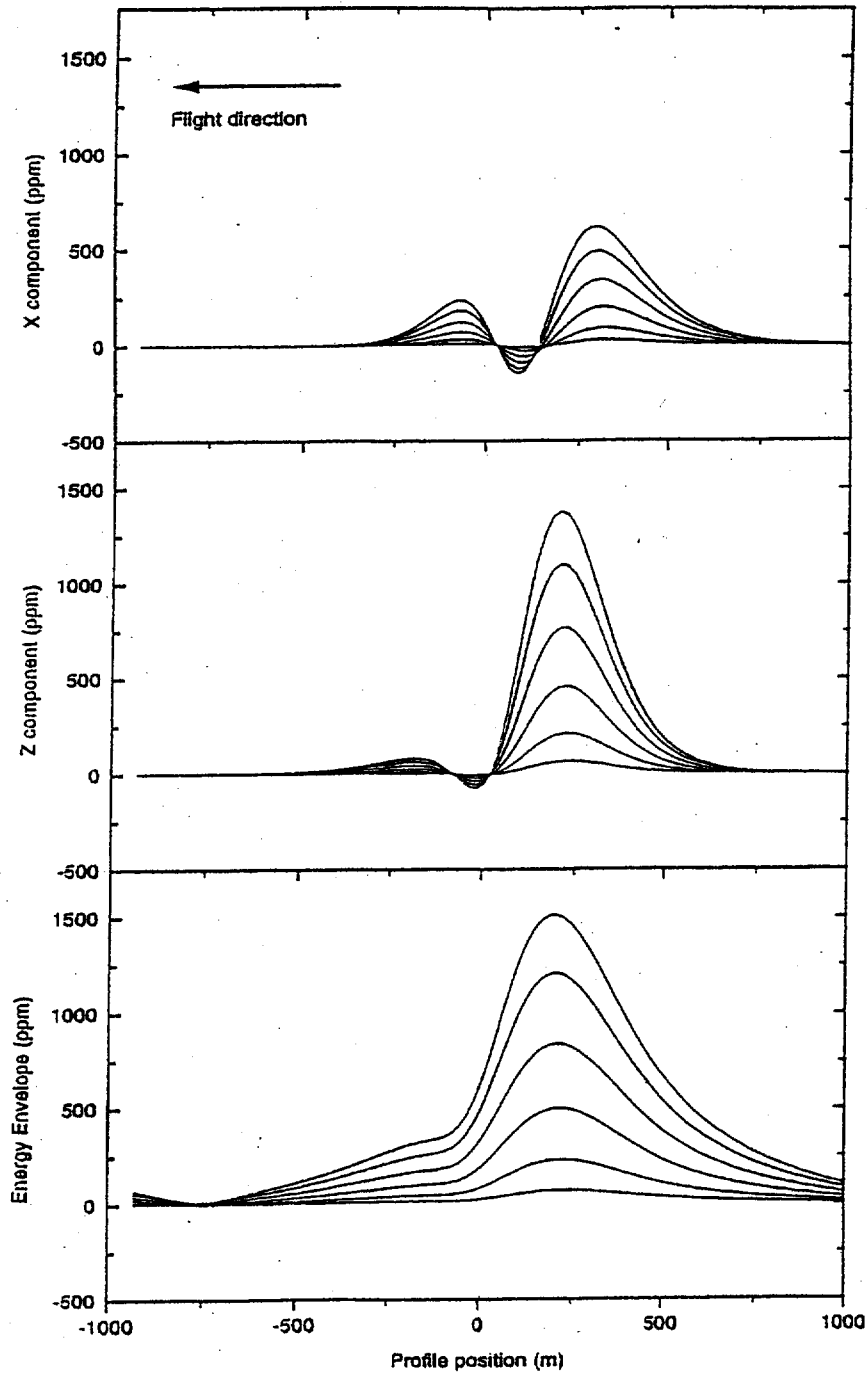
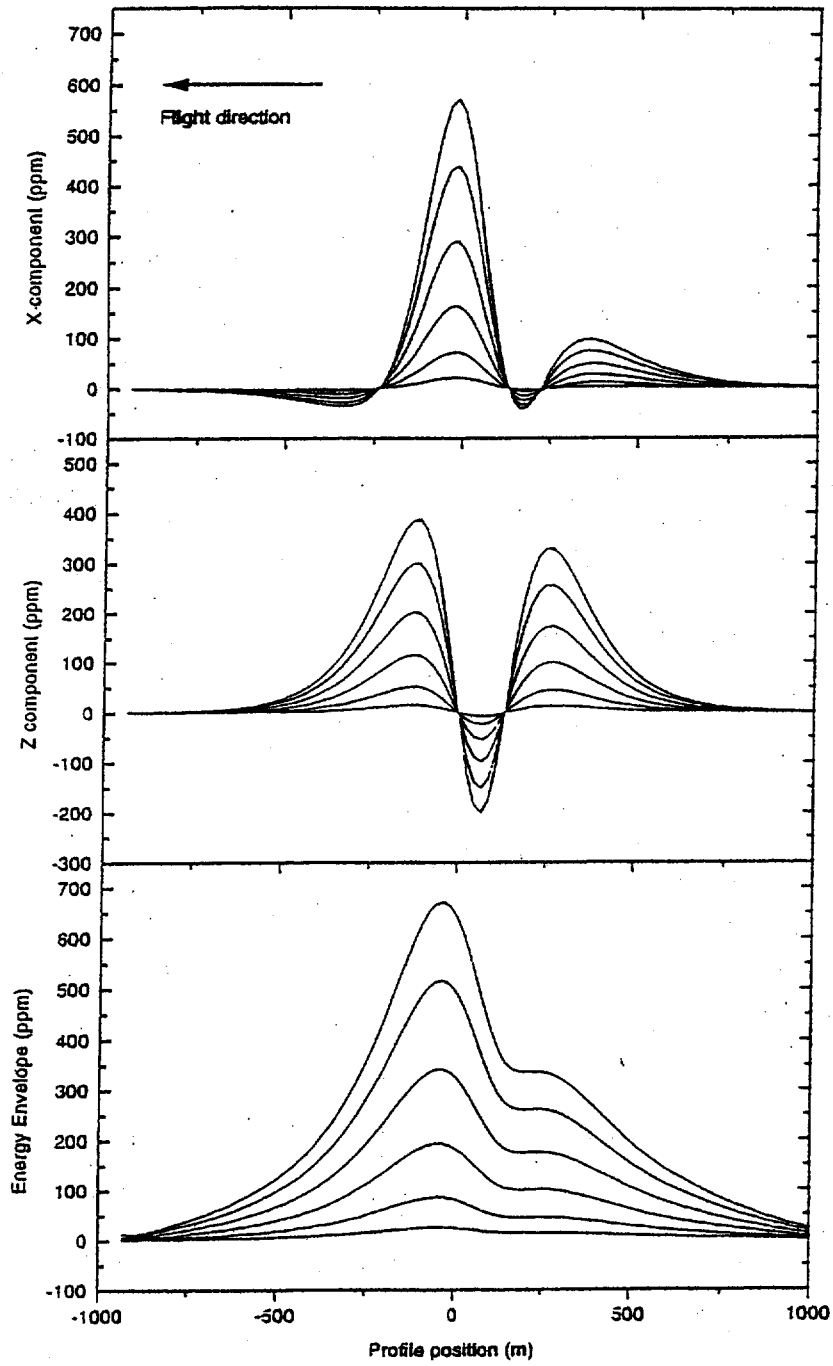
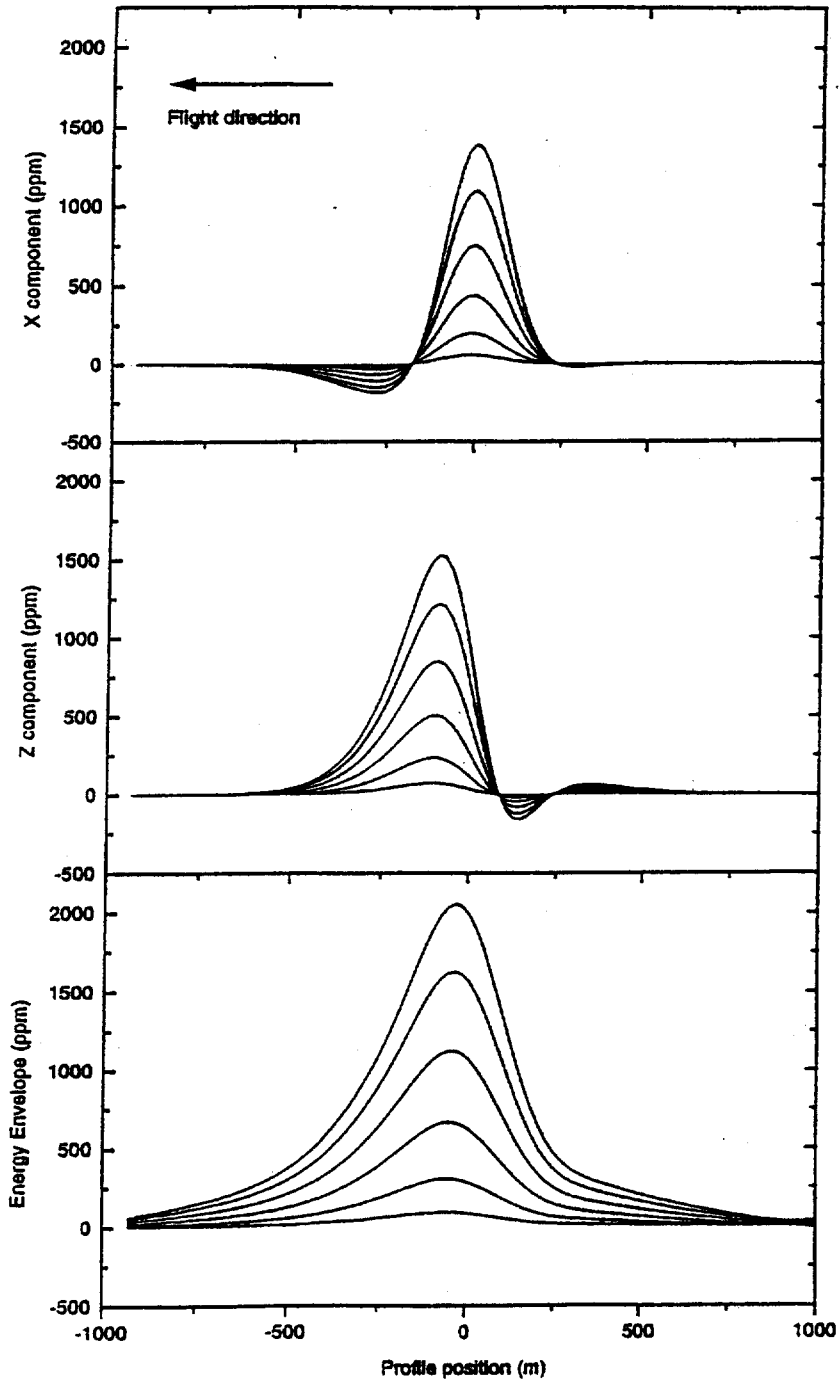


Plate: depth = 150; dip = 90



|

Plate: depth =150; dip =135



Fugro Airborne Surveys

Plate: depth =300; dip =0

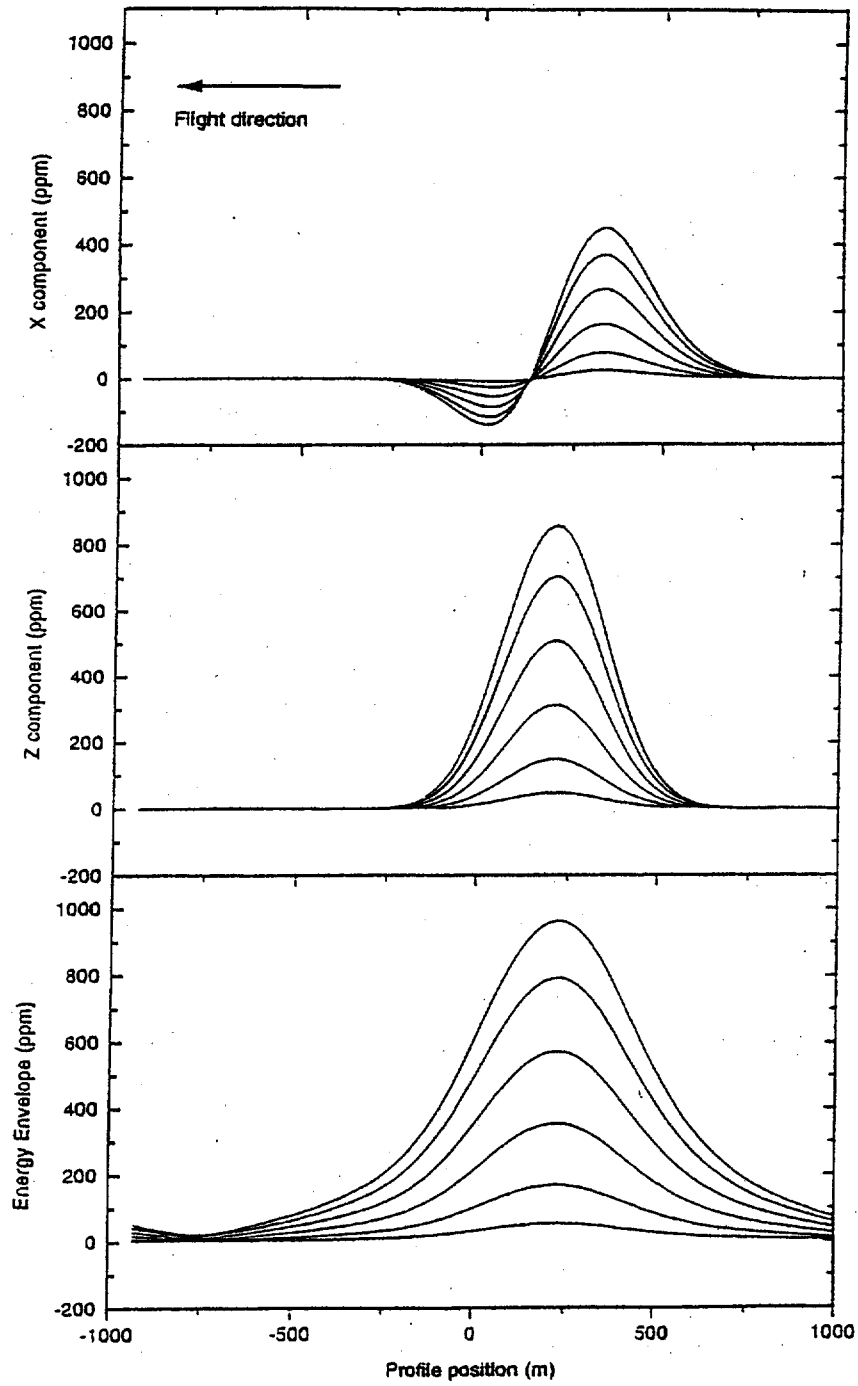


Plate: depth =300; dip =45

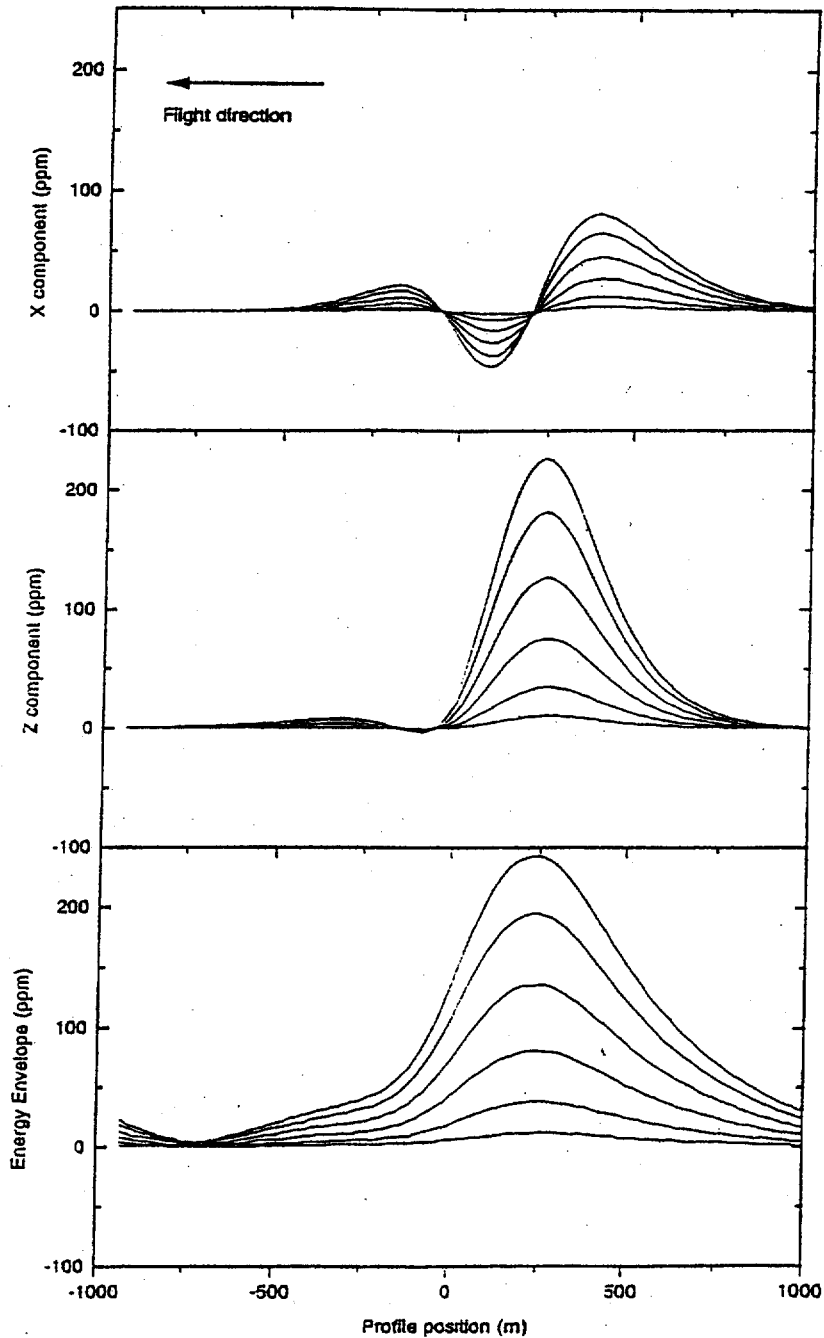


Plate: depth = 300; dip = 90

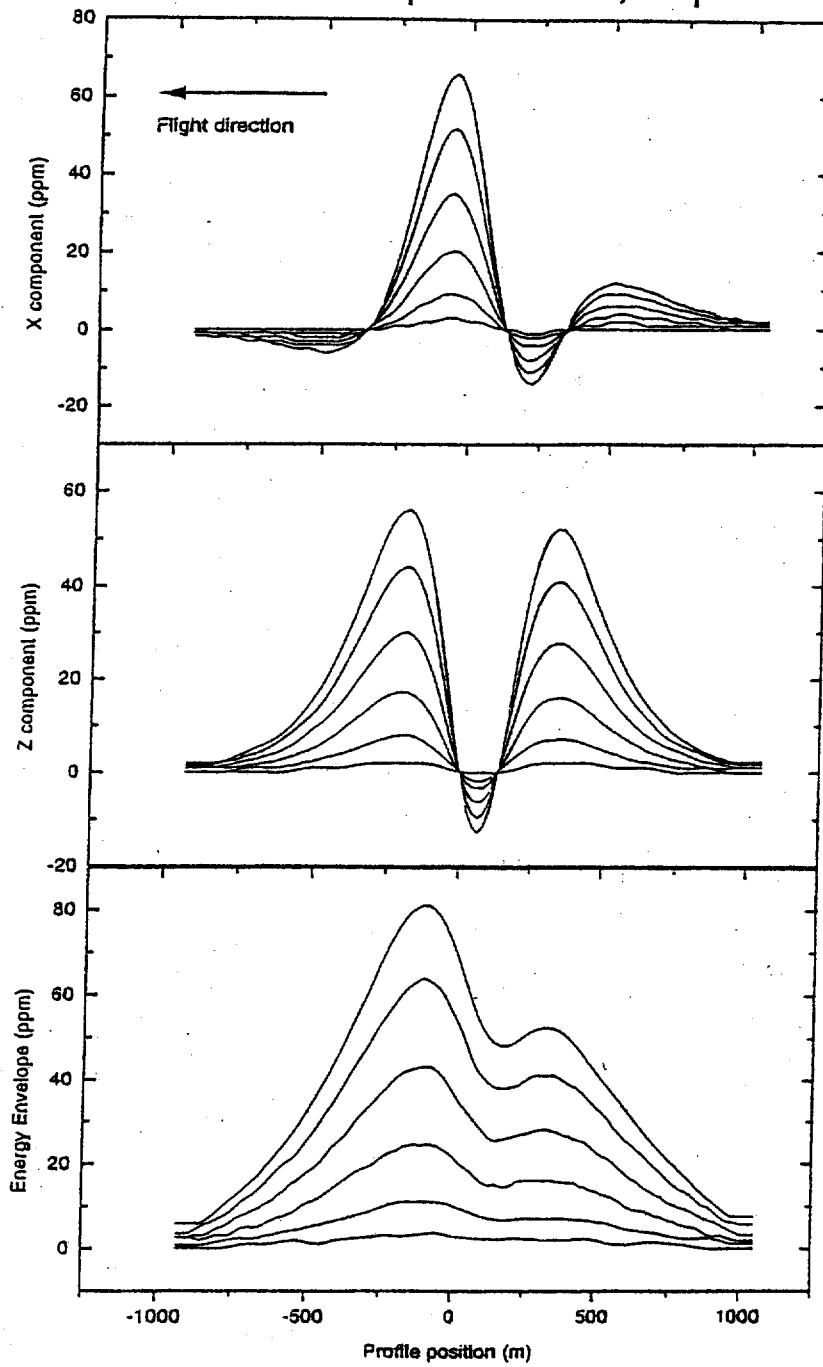
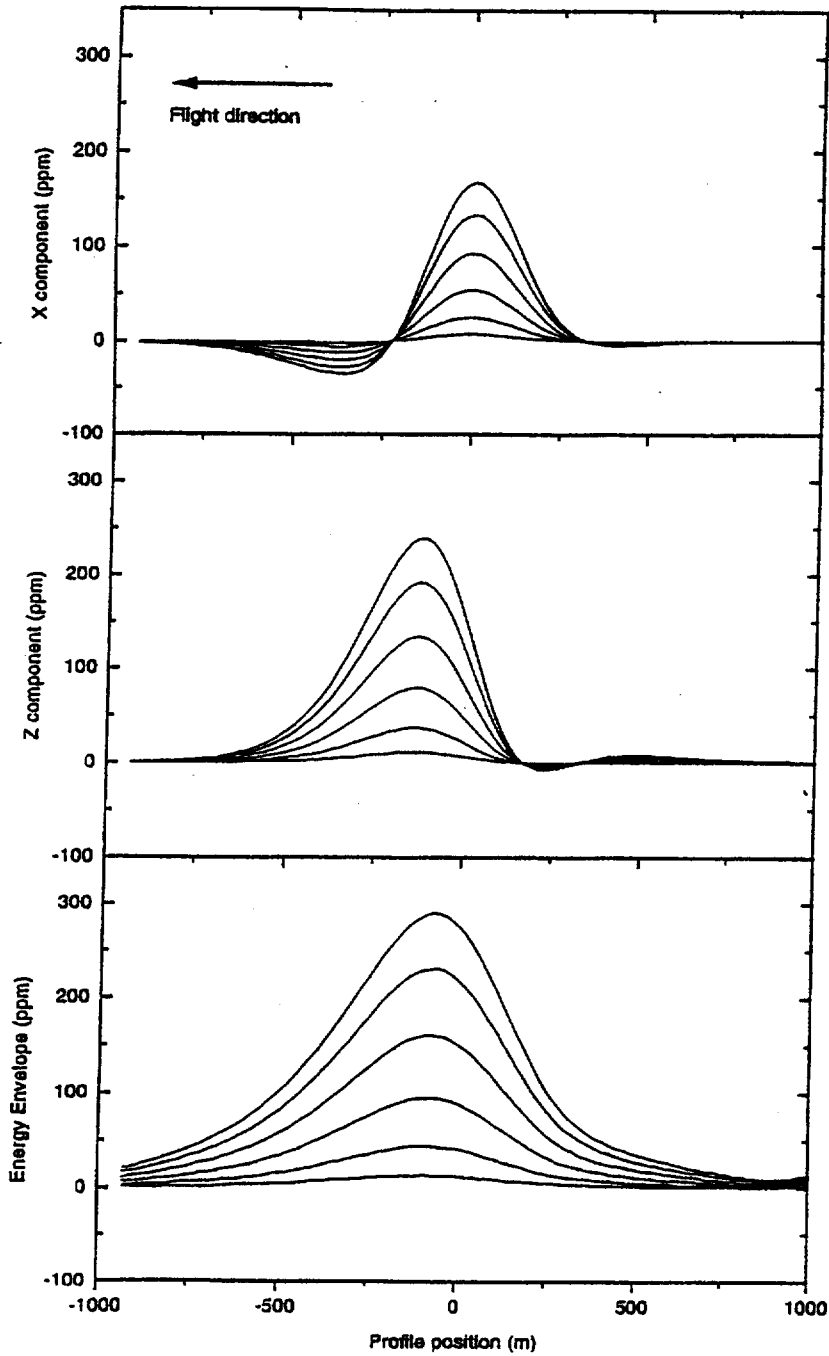




Plate: depth =300; dip =135



Date: 2001-AUG-13

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

FALCONBRIDGE LIMITED
SUITE 1200, 95 WELLINGTON STREET WEST
TORONTO, ONTARIO
M5J 2V4 CANADA

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

Submission Number: 2.21079
Transaction Number(s): W0160.00144

Dear Sir or Madam

Subject: Approval of Assessment Work

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

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

The revisions outlined in the Notice dated June 14, 2001 have been corrected

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

Yours Sincerely,



Ron Gashinski
Supervisor, Geoscience Assessment Office

Cc: Resident Geologist

Ralph E. Allerston
(Claim Holder)

Jean-Claude Bonhomme
(Claim Holder)

Cominco Ltd.
(Claim Holder)

Falconbridge Limited
(Assessment Office)

Wayne Nelson Pearson
(Claim Holder)

Prospectors Alliance Corporation
(Claim Holder)

Assessment File Library

Reginald T.J. Barnes
(Claim Holder)

Cominco Ltd.
(Claim Holder)

Falconbridge Limited
(Claim Holder)

John Peter Huot
(Claim Holder)

Band-Ore Resources Ltd.
(Claim Holder)

Explorers Alliance Corporation
(Claim Holder)



42A06NW2026 2.21079 GODFREY

900

Work Report Summary

Transaction No: W0160.00144

Status: APPROVED

Recording Date: 2001-MAR-26

Work Done from: 2000-OCT-24

Approval Date: 2001-AUG-01

to: 2000-OCT-30

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
G 6000435	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	
P 443374	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	1988-FEB-10
P 451544	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	1988-SEP-08
P 451545	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	1988-SEP-08
P 451546	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	1988-SEP-08
P 454000	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	1988-SEP-21
P 480316	\$124	\$124	\$0	\$0	\$124	124	\$0	\$0	1988-NOV-23
P 480317	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	1988-NOV-23
P 525965	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	1991-MAR-19
P 567635	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	1992-NOV-26
P 611484	\$20	\$20	\$0	\$0	\$20	20	\$0	\$0	1993-JUN-23
P 634743	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634744	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634745	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634746	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634747	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634748	\$42	\$42	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634749	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634750	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634751	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634752	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634753	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634754	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634755	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634756	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634757	\$42	\$42	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634758	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634759	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634760	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634761	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634762	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634763	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634764	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634765	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634766	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634767	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634768	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634769	\$146	\$146	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634770	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634771	\$104	\$104	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25

Work Report Summary

Transaction No: W0160.00144

Status: APPROVED

Recording Date: 2001-MAR-26

Work Done from: 2000-OCT-24

Approval Date: 2001-AUG-01

to: 2000-OCT-30

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 634772	\$146	\$146	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634773	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634774	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634775	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634776	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634777	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634778	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634779	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634780	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634781	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634782	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634783	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634784	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634785	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634786	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634787	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634788	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634789	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634790	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634791	\$124	\$124	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634792	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634793	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634794	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634795	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634796	\$104	\$104	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 634797	\$146	\$146	\$400	\$400	\$0	0	\$0	\$0	2002-MAR-25
P 663480	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-FEB-17
P 725451	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-JUN-20
P 725904	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-JUN-20
P 725905	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-JUN-20
P 758053	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2003-APR-15
P 758055	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-JUN-20
P 758140	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 758731	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-18
P 758741	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 758766	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-18
P 758767	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-18
P 758793	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 758794	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-JUN-20
P 758951	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-26

Work Report Summary

Transaction No: W0160.00144

Status: APPROVED

Recording Date: 2001-MAR-26

Work Done from: 2000-OCT-24

Approval Date: 2001-AUG-01

to: 2000-OCT-30

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 758952	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-26
P 758953	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-26
P 758965	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-26
P 758966	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-26
P 758967	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-26
P 758968	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-26
P 758992	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-26
P 758993	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-26
P 758994	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-26
P 758995	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-26
P 826990	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-09
P 827591	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-MAY-21
P 831705	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-NOV-15
P 831706	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-NOV-15
P 831707	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-NOV-15
P 833214	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-09
P 833218	\$62	\$62	\$0	\$0	\$62	62	\$0	\$0	2001-OCT-09
P 833256	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-NOV-15
P 833257	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-NOV-15
P 833258	\$124	\$124	\$0	\$0	\$124	124	\$0	\$0	2003-NOV-15
P 833269	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-02
P 833448	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-15
P 833641	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-JAN-24
P 833642	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-JAN-24
P 833643	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-MAY-27
P 833922	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-NOV-26
P 833923	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-NOV-26
P 833932	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-NOV-26
P 833933	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-NOV-26
P 833934	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-NOV-26
P 834023	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-JAN-28
P 834037	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-JAN-28
P 834574	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-JAN-11
P 834575	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-JAN-11
P 834576	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-JAN-11
P 834577	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-JAN-11
P 834578	\$146	\$146	\$0	\$0	\$146	146	\$0	\$0	2002-JAN-11
P 834579	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-JAN-11
P 835702	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-15
P 836903	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-JAN-28

Work Report Summary

Transaction No: W0160.00144

Status: APPROVED

Recording Date: 2001-MAR-26

Work Done from: 2000-OCT-24

Approval Date: 2001-AUG-01

to: 2000-OCT-30

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 849735	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-29
P 871588	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-09
P 871591	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-09
P 871598	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-09
P 889239	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889240	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889241	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889242	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889243	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889244	\$42	\$42	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889245	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889246	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889247	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889248	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889249	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889250	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889251	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889252	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 889253	\$62	\$62	\$400	\$400	\$0	0	\$0	\$0	2002-APR-02
P 921757	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-MAY-01
P 921758	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-MAY-01
P 931738	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-MAY-22
P 949126	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-01
P 949127	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-01
P 949128	\$42	\$42	\$0	\$0	\$42	42	\$0	\$0	2001-OCT-01
P 949635	\$104	\$104	\$0	\$0	\$104	104	\$0	\$0	2001-NOV-17
P 949636	\$144	\$144	\$0	\$0	\$144	144	\$0	\$0	2001-NOV-17
P 949637	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-NOV-17
P 949638	\$144	\$144	\$0	\$0	\$144	144	\$0	\$0	2001-NOV-17
P 1029697	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029698	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029699	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029700	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029701	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029702	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029703	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029713	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029714	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029715	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029716	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24

Work Report Summary

Transaction No: W0160.00144

Status: APPROVED

Recording Date: 2001-MAR-26

Work Done from: 2000-OCT-24

Approval Date: 2001-AUG-01

to: 2000-OCT-30

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 1029717	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029718	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029719	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029720	\$0	\$0	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-24
P 1029721	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2001-DEC-30
P 1045815	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-APR-07
P 1045816	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-APR-07
P 1075102	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-AUG-29
P 1075103	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-AUG-29
P 1114587	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-MAY-12
P 1115751	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-SEP-08
P 1115752	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-SEP-08
P 1115753	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-SEP-08
P 1115754	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-SEP-08
P 1115757	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-SEP-08
P 1115758	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-SEP-08
P 1115764	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-DEC-04
P 1115765	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-DEC-04
P 1128976	\$748	\$748	\$0	\$0	\$748	748	\$0	\$0	2001-SEP-22
P 1128977	\$250	\$250	\$0	\$0	\$250	250	\$0	\$0	2001-SEP-19
P 1129885	\$332	\$332	\$0	\$0	\$332	332	\$0	\$0	2002-JAN-23
P 1152988	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1152989	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1152990	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1152991	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1152992	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1152993	\$146	\$146	\$0	\$0	\$146	146	\$0	\$0	2001-OCT-18
P 1152994	\$104	\$104	\$0	\$0	\$104	104	\$0	\$0	2001-OCT-18
P 1152995	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1152996	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1152998	\$146	\$146	\$0	\$0	\$146	146	\$0	\$0	2001-OCT-18
P 1152999	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153000	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153001	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153002	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153003	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153004	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153005	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153037	\$114	\$114	\$0	\$0	\$114	114	\$0	\$0	2001-OCT-18
P 1153041	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18

Work Report Summary

Transaction No: W0160.00144

Status: APPROVED

Recording Date: 2001-MAR-26

Work Done from: 2000-OCT-24

Approval Date: 2001-AUG-01

to: 2000-OCT-30

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 1153042	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153043	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153044	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153045	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153046	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153047	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153048	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153049	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153050	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153051	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153053	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153054	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1153094	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1153095	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1153096	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1153097	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1153098	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1153099	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1153100	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1153101	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1153102	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1153103	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1153104	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-OCT-18
P 1153105	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1154744	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-AUG-16
P 1154745	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-AUG-16
P 1155253	\$332	\$332	\$800	\$800	\$0	0	\$0	\$0	2002-MAR-28
P 1158897	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-AUG-23
P 1158898	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-AUG-23
P 1159136	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-AUG-23
P 1159137	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-AUG-23
P 1159138	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-AUG-23
P 1159139	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-AUG-23
P 1159140	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-AUG-23
P 1159141	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-AUG-23
P 1159142	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-AUG-23
P 1159143	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-AUG-23
P 1160427	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1160428	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1160459	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18

Work Report Summary

Transaction No: W0160.00144

Status: APPROVED

Recording Date: 2001-MAR-26

Work Done from: 2000-OCT-24

Approval Date: 2001-AUG-01

to: 2000-OCT-30

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 1160460	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-18
P 1160470	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1160471	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-18
P 1170347	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-05
P 1170348	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-05
P 1170349	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-05
P 1170350	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-05
P 1170351	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-05
P 1170352	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-05
P 1170353	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-05
P 1170354	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-05
P 1170355	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-NOV-05
P 1177489	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-08
P 1177490	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 1177491	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 1177492	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 1177493	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 1177494	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 1177495	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 1177496	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 1177497	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 1177498	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 1177499	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-APR-15
P 1177500	\$83	\$83	\$400	\$400	\$0	0	\$0	\$0	2002-AUG-17
P 1181502	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-MAY-09
P 1181503	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-MAY-09
P 1182867	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-SEP-26
P 1185702	\$998	\$998	\$0	\$0	\$998	998	\$0	\$0	2001-DEC-16
P 1185703	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-DEC-16
P 1185765	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-DEC-16
P 1185766	\$332	\$332	\$0	\$0	\$332	332	\$0	\$0	2001-DEC-16
P 1188805	\$40	\$40	\$0	\$0	\$40	40	\$0	\$0	2001-OCT-28
P 1188809	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-DEC-16
P 1189150	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-APR-22
P 1189543	\$416	\$416	\$0	\$0	\$416	416	\$0	\$0	2003-JAN-08
P 1189765	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-APR-22
P 1190544	\$748	\$748	\$0	\$0	\$748	748	\$0	\$0	2001-OCT-20
P 1190580	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-NOV-10
P 1190581	\$250	\$250	\$0	\$0	\$250	250	\$0	\$0	2002-NOV-10
P 1190595	\$998	\$998	\$0	\$0	\$998	998	\$0	\$0	2002-OCT-20

Work Report Summary

Transaction No: W0160.00144

Status: APPROVED

Recording Date: 2001-MAR-26

Work Done from: 2000-OCT-24

Approval Date: 2001-AUG-01

to: 2000-OCT-30

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 1190596	\$1,328	\$1,328	\$0	\$0	\$328	328	\$1,000	\$1,000	2001-OCT-20
P 1190600	\$664	\$664	\$0	\$0	\$664	664	\$0	\$0	2001-NOV-10
P 1193219	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-FEB-05
P 1193494	\$332	\$332	\$1,600	\$1,600	\$0	0	\$0	\$0	2002-APR-07
P 1193772	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2003-AUG-24
P 1193773	\$332	\$332	\$0	\$0	\$332	332	\$0	\$0	2001-AUG-24
P 1198957	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-APR-28
P 1201229	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-OCT-13
P 1201230	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-13
P 1201245	\$582	\$582	\$0	\$0	\$582	582	\$0	\$0	2001-OCT-20
P 1201246	\$1,328	\$1,328	\$0	\$0	\$328	328	\$1,000	\$1,000	2001-OCT-20
P 1201279	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-NOV-12
P 1201304	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-NOV-12
P 1201305	\$332	\$332	\$0	\$0	\$332	332	\$0	\$0	2001-NOV-12
P 1201306	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-NOV-12
P 1201465	\$104	\$104	\$0	\$0	\$104	104	\$0	\$0	2001-SEP-01
P 1203999	\$2,496	\$2,496	\$0	\$0	\$80	80	\$2,416	\$2,416	2001-NOV-01
P 1204431	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-MAY-27
P 1204587	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-MAY-24
P 1204734	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-SEP-01
P 1206610	\$2,163	\$2,163	\$0	\$0	\$2,027	2,027	\$136	\$136	2001-AUG-17
P 1206690	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-MAY-01
P 1206693	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-MAY-01
P 1206749	\$250	\$250	\$0	\$0	\$250	250	\$0	\$0	2001-OCT-13
P 1206750	\$332	\$332	\$0	\$0	\$332	332	\$0	\$0	2001-OCT-13
P 1206751	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-OCT-13
P 1206752	\$1,164	\$1,164	\$0	\$0	\$1,164	1,164	\$0	\$0	2001-OCT-13
P 1206979	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-JUN-19
P 1207052	\$332	\$332	\$0	\$0	\$332	332	\$0	\$0	2002-JUN-19
P 1207545	\$1,248	\$1,248	\$0	\$0	\$248	248	\$1,000	\$1,000	2001-SEP-01
P 1207586	\$2,164	\$2,164	\$0	\$0	\$2,164	2,164	\$0	\$0	2002-APR-09
P 1207587	\$1,664	\$1,664	\$0	\$0	\$664	664	\$1,000	\$1,000	2002-APR-09
P 1207590	\$374	\$374	\$0	\$0	\$374	374	\$0	\$0	2002-APR-10
P 1207709	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-APR-22
P 1207716	\$104	\$104	\$0	\$0	\$104	104	\$0	\$0	2001-JUN-03
P 1211125	\$332	\$332	\$800	\$800	\$0	0	\$0	\$0	2002-APR-03
P 1211129	\$332	\$332	\$1,200	\$1,200	\$0	0	\$0	\$0	2002-APR-03
P 1211130	\$1,164	\$1,164	\$2,800	\$2,800	\$0	0	\$1,000	\$1,000	2002-APR-03
P 1211131	\$166	\$166	\$400	\$400	\$0	0	\$0	\$0	2002-APR-03
P 1211135	\$832	\$832	\$2,000	\$2,000	\$0	0	\$500	\$500	2002-APR-03

Work Report Summary

Transaction No: W0160.00144

Status: APPROVED

Recording Date: 2001-MAR-26

Work Done from: 2000-OCT-24

Approval Date: 2001-AUG-01

to: 2000-OCT-30

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 1212680	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-NOV-09
P 1212681	\$1,018	\$1,018	\$0	\$0	\$18	18	\$1,000	\$1,000	2001-DEC-01
P 1213501	\$2,163	\$2,163	\$0	\$0	\$163	163	\$2,000	\$2,000	2001-NOV-09
P 1213502	\$2,572	\$2,572	\$0	\$0	\$572	572	\$2,000	\$2,000	2001-DEC-01
P 1213558	\$416	\$416	\$0	\$0	\$416	416	\$0	\$0	2001-DEC-20
P 1213559	\$664	\$664	\$0	\$0	\$664	664	\$0	\$0	2001-DEC-20
P 1213578	\$1,124	\$1,124	\$0	\$0	\$124	124	\$1,000	\$1,000	2001-DEC-19
P 1213579	\$250	\$250	\$0	\$0	\$250	250	\$0	\$0	2002-JAN-02
P 1213689	\$1,248	\$1,248	\$2,000	\$2,000	\$0	0	\$1,000	\$1,000	2002-APR-15
P 1218629	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-JUN-11
P 1218645	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-JUN-03
P 1218741	\$582	\$582	\$0	\$0	\$582	582	\$0	\$0	2001-JUN-10
P 1218742	\$250	\$250	\$0	\$0	\$250	250	\$0	\$0	2001-JUN-10
P 1218747	\$2,656	\$2,656	\$0	\$0	\$156	156	\$2,500	\$2,500	2001-OCT-24 E
P 1218877	\$1,248	\$1,248	\$0	\$0	\$248	248	\$1,000	\$1,000	2002-AUG-02
P 1219434	\$292	\$292	\$0	\$0	\$292	292	\$0	\$0	2001-NOV-26
P 1222925	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-JUL-02
P 1222926	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-JUL-02
P 1222941	\$332	\$332	\$0	\$0	\$332	332	\$0	\$0	2001-SEP-10
P 1222942	\$332	\$332	\$0	\$0	\$332	332	\$0	\$0	2001-SEP-10
P 1222943	\$832	\$832	\$0	\$0	\$832	832	\$0	\$0	2001-OCT-30
P 1222944	\$124	\$124	\$0	\$0	\$124	124	\$0	\$0	2001-OCT-30
P 1222945	\$1,664	\$1,664	\$0	\$0	\$664	664	\$1,000	\$1,000	2001-OCT-30
P 1226386	\$832	\$832	\$0	\$0	\$432	432	\$400	\$400	2001-JUN-19 E
P 1226387	\$1,040	\$1,040	\$0	\$0	\$40	40	\$1,000	\$1,000	2001-JUN-19 E
P 1226388	\$2,163	\$2,163	\$0	\$0	\$163	163	\$2,000	\$2,000	2001-DEC-01
P 1226471	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-JAN-22
P 1226472	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-JAN-22
P 1226482	\$1,164	\$1,164	\$0	\$0	\$164	164	\$1,000	\$1,000	2001-JUL-22 E
P 1226484	\$1,328	\$1,328	\$0	\$0	\$328	328	\$1,000	\$1,000	2001-JUL-22 E
P 1226485	\$748	\$748	\$0	\$0	\$748	748	\$0	\$0	2001-JUL-22 E
P 1226486	\$1,328	\$1,328	\$0	\$0	\$328	328	\$1,000	\$1,000	2001-JUL-22 E
P 1226487	\$832	\$832	\$0	\$0	\$832	832	\$0	\$0	2001-JUL-22 E
P 1226489	\$832	\$832	\$0	\$0	\$832	832	\$0	\$0	2001-JUL-22 E
P 1226490	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2002-JAN-22
P 1227901	\$1,328	\$1,328	\$0	\$0	\$328	328	\$1,000	\$1,000	2001-JUL-15
P 1228564	\$832	\$832	\$2,000	\$2,000	\$0	0	\$0	\$0	2002-MAR-27
P 1228565	\$2,662	\$2,662	\$6,400	\$6,400	\$0	0	\$2,604	\$2,604	2002-MAR-27
P 1228566	\$1,996	\$1,996	\$3,600	\$3,600	\$0	0	\$1,996	\$1,996	2002-MAR-27
P 1234912	\$832	\$832	\$2,400	\$2,400	\$0	0	\$0	\$0	2002-MAR-23

Work Report Summary

Transaction No: W0160.00144

Status: APPROVED

Recording Date: 2001-MAR-26

Work Done from: 2000-OCT-24

Approval Date: 2001-AUG-01

to: 2000-OCT-30

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
P 1235939	\$1,328	\$1,328	\$0	\$0	\$328	328	\$1,000	\$1,000	2002-JAN-18
P 1235990	\$1,328	\$1,328	\$0	\$0	\$328	328	\$1,000	\$1,000	2002-JAN-13
P 1235991	\$1,328	\$1,328	\$0	\$0	\$328	328	\$1,000	\$1,000	2002-JAN-13
P 1236030	\$374	\$374	\$0	\$0	\$374	374	\$0	\$0	2002-JAN-27
P 1236403	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-MAY-26
P 1236404	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-JUL-06
P 1236405	\$83	\$83	\$0	\$0	\$83	83	\$0	\$0	2001-SEP-21
P 1236406	\$332	\$332	\$0	\$0	\$332	332	\$0	\$0	2001-OCT-29
P 1236422	\$684	\$684	\$0	\$0	\$684	684	\$0	\$0	2002-OCT-16
P 1236848	\$664	\$664	\$0	\$0	\$664	664	\$0	\$0	2001-DEC-02
P 1236849	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2001-DEC-02
P 1240717	\$2,080	\$2,080	\$0	\$0	\$702	702	\$1,378	\$1,378	2002-JUN-27
P 1240718	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-JUN-27
P 1240719	\$166	\$166	\$0	\$0	\$166	166	\$0	\$0	2002-JUN-27
	\$105,130	\$105,130	\$69,200	\$69,200	\$57,144	\$57,144	\$35,930	\$35,930	

External Credits: \$0

Reserve:

\$35,930	Reserve of Work Report#: W0160.00144
(\$1,600)	Applied by W0160.00155 2001-APR-23
(\$4,800)	Applied by W0160.00156 2001-APR-23
(\$1,600)	Applied by W0160.30031 2001-APR-30
(\$1,600)	Applied by W0160.30034 2001-APR-30
(\$800)	Applied by W0160.30037 2001-APR-30
(\$8,800)	Applied by W0160.30144 2001-MAY-22
(\$1,600)	Applied by W0160.30183 2001-MAY-24
(\$2,400)	Applied by W0160.30212 2001-MAY-30
(\$6,400)	Applied by W0160.30480 2001-JUL-23
<u>\$6,330</u>	Total Remaining

Status of claim is based on information currently on record.



Date / Time of Issue Apr 24 2001 08:15h Eastern

TOWNSHIP / AREA

PLAN

CARSCALLEN

G-3040

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division Porcupine
Land Titles/Registry Division COCHRANE
Ministry of Natural Resources District TIMMINS

TOPOGRAPHIC

- Administrative Boundary
- Township
- Connection Line
- Provincial Park
- Crown Reserve
- CHL Fee or Title
- Control
- Control - Approx. Aerial Photo
- Start
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Hydro Line
- Communication Line
- Wooded Area
- Monument - Capital Historical/Heritage Centre

LAND TENURE

- Freehold Patent
- Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only
- Leasehold Patent
- Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only
- License of Occupation
- Mining License
- Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only

- Land Use Permit
- Leasehold Patent
- Mining License Agreement

LAND TENURE WITHDRAWALS

- Area Withdrawn from Disposition Mining Act Withdrawal Types
- Mining License
- Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only
- License of Occupation
- Mining License Agreement
- Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only

IMPORTANT NOTICES

LAND TENURE WITHDRAWAL DESCRIPTIONS

Withdrawal No.	Type	Date	Description
2481	Wm	Jan 1 2001	ADRIEGATE PERMITS NOTICE RECEIVED APRIL 16 1992
2530	Wm	Jan 1 2001	NO OPEN GROUND
2842	Wm	Jan 1 2001	DANA AND JOWLEY LINES PARK RES. S.H.O. 171006 SEC 30MB W/0000 M.R.O.
2881	Wm	Jan 1 2001	SAC 452550 300M S.H. 171006
2972	Wm	Jan 1 2001	NO OPEN GROUND
2979	Wm	Jan 1 2001	ACCAPN 103 96 M - S-171006
2980	Wm	Jan 1 2001	SEC 452550 300M S.H. 171006
2981	Wm	Jan 1 2001	DANA AND JOWLEY PARK RESERVE S.H.O. SEC. 30MB W/0000 NOV. 1993 M.R.O. 151
2984	Wm	Jan 1 2001	RESERVED FOR PUBLIC USE S.H.O.

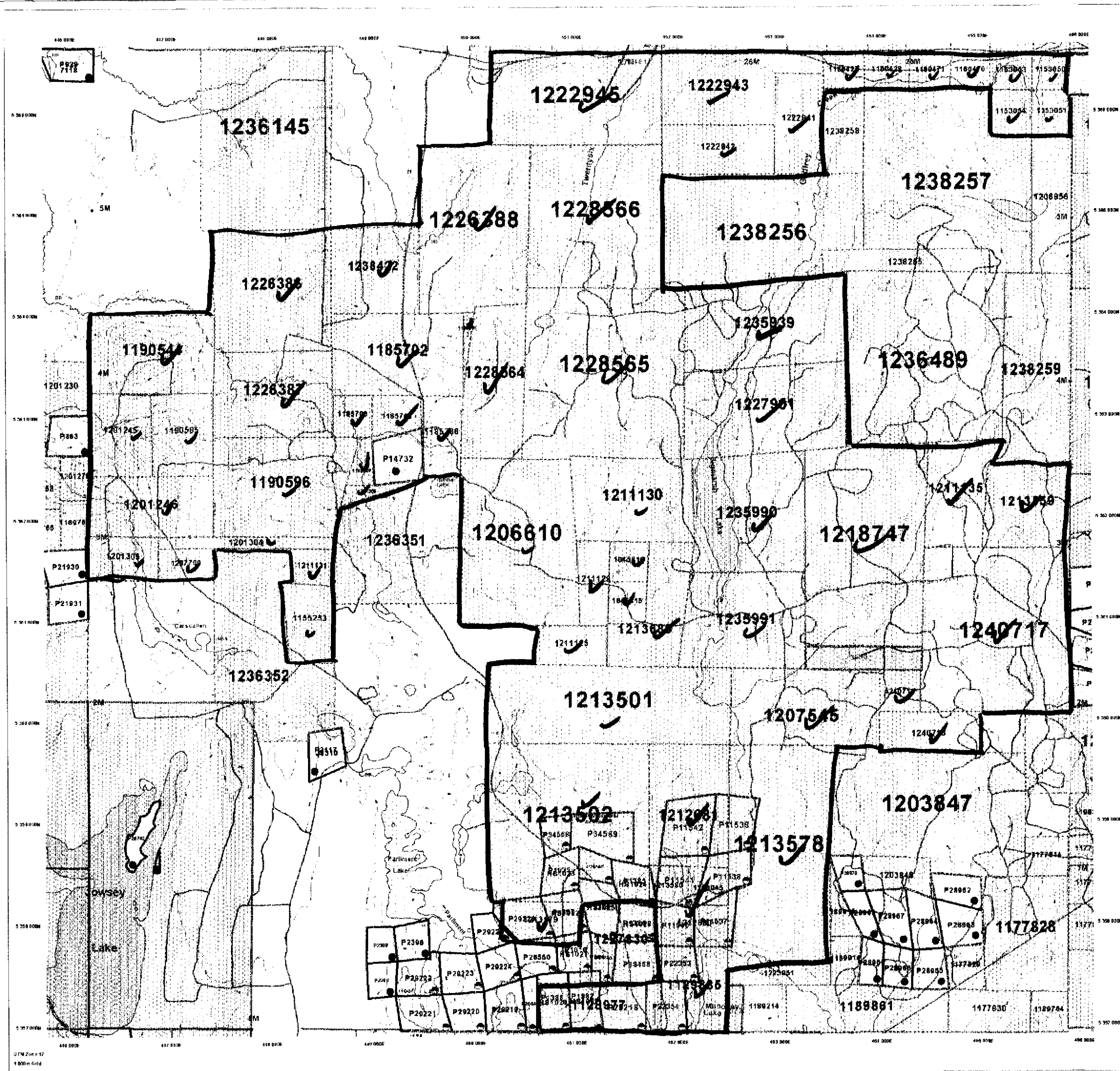
IMPORTANT NOTICES

Areas under special requirements, limitations or conditions exist that affect normal property, mining and mineral development activities.

2. 21079
AEM
AMAG



42A06NW2026 2.21079 GODFREY



This map is a plan view of the mining land tenure and does not show the topography of the area. The map is based on the information provided in the Mining Act and the Mining Regulations. The map is not a survey and should not be used for legal purposes. The map is not a guarantee of the accuracy of the information shown. The map is not a guarantee of the accuracy of the information shown. The map is not a guarantee of the accuracy of the information shown.

General Information and Limitations

Copyright Information:
Provincial Mining Records Office, Toronto
Ministry of Northern Development and Mines
22 Hurontario Street, Toronto, Ontario
M5S 1B5
Telephone: (416) 325-1000
Fax: (416) 325-1001
Web: www.mnr.gov.on.ca

This map is not a survey and should not be used for legal purposes. The map is not a guarantee of the accuracy of the information shown. The map is not a guarantee of the accuracy of the information shown. The map is not a guarantee of the accuracy of the information shown.



MINISTRY OF
NORTHERN DEVELOPMENT
AND MINES
PROVINCIAL MINING
RECORDER'S OFFICE

**MINING LAND TENURE
MAP**

Date / Time of Issue Jul 9 2001 11:20h Eastern
TOWNSHIP / AREA TURNBULL PLAN G-3250
ADMINISTRATIVE DISTRICTS / DIVISIONS
Mining Division Porcupine
Land Titles/Registry Division COCHRANE
Ministry of Natural Resources District TIMMINS

TOPOGRAPHIC

- Administrative Boundary
- Township
- Concession Lot
- Provincial Park
- Forest Reserve
- CRP Parks & Trails
- Contour
- Contour Interval: 10m (approx.)
- Spot
- Water Feature
- Road
- Trail
- Natural Obstruction
- Water Line
- CONFORMANCE LINE
- Proposed Area
- Measurement of Distance: Meters (Foot/Inch Conversion)

LAND TENURE

- 123500 PAKS**
 - Surface and Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- 123500 PAKS**
 - Surface and Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- License of Occupation**
 - Mineral Occupied
 - Surface and Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- 123500** Mining Claims

LAND TENURE WITHDRAWALS

- 1224** Areas Withdrawn from Registration Being Act Withdrawal Types
 - Wm Withdrawal from Registration
 - Wm Withdrawal from Registration
 - Wm Withdrawal from Registration
 - Wm Withdrawal from Registration
 - Wm Withdrawal from Registration
 - Wm Withdrawal from Registration
 - Wm Withdrawal from Registration
 - Wm Withdrawal from Registration

IMPORTANT NOTICES

- No

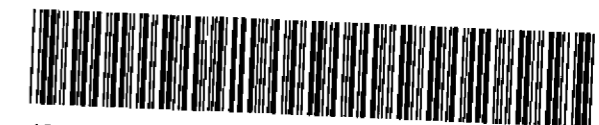
LAND TENURE WITHDRAWAL DESCRIPTIONS

Modifier	Type	Date	Description
3401	Wm	Jan 1 2001	AGRICULTURAL PLANT NOTICE RECEIVED JUNE 18, 1993
3400	Wm	Nov 27 1991	PENDING APPLICATION UNDER THE AGREEMENT
			HANDWRITTEN NOTICE RECEIVED DE NOV 22
WIP 000	Wm	Jan 26 1980	SFC 35 WIP 000 AFR 765198 M-1 19150

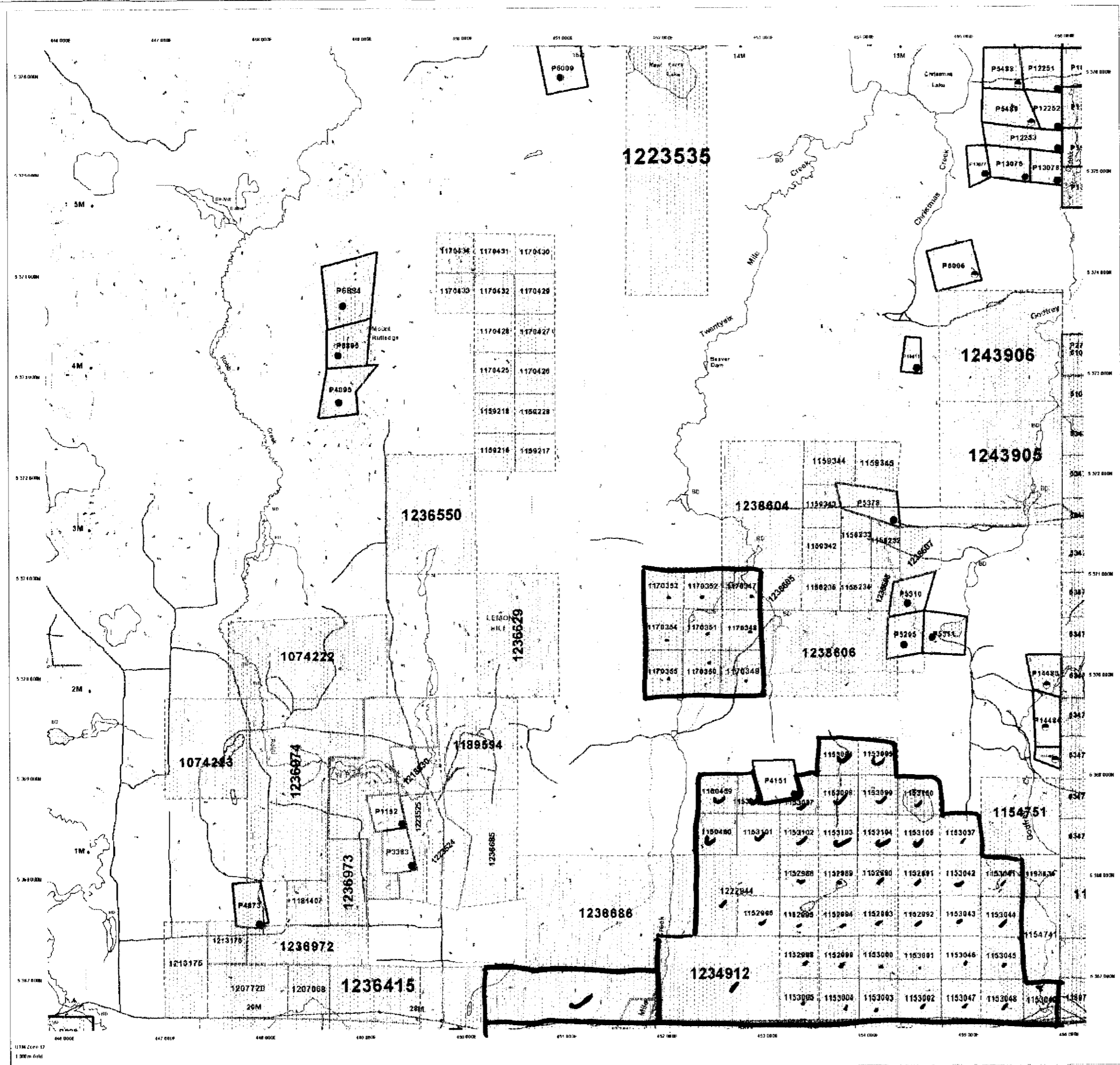
IMPORTANT NOTICES

Areas under special regulations, that allow or contemplate activities that affect normal occupation, mining and mineral development activities.

2.21079
AMAG
PEM



42A06NW2026 2.21079 GUDFREY



These drawings to show mining claims should not be used for any other purpose. Office of the Ministry of Northern Development and Mines has no responsibility for the accuracy of the information shown on this map. The information shown on this map is compiled from various sources. It is not intended to be used for any other purpose. Additional information may be obtained through the Land Titles and Registry Office, at the Ministry of Northern Development and Mines.

The information shown is derived from digital data available in the Provincial Mining Recorder's Office at the time of its publication. It is not intended to be used for any other purpose. Additional information may be obtained through the Land Titles and Registry Office, at the Ministry of Northern Development and Mines.

General Information and Limitations

Contact Information:
Provincial Mining Recorder's Office - Full Time
1000 Highway 108, Timmins, Ontario
S4N 1W5
Tel: (705) 852-3144
Fax: (705) 852-3144
Web: www.mnr.gov.on.ca/mining/records/office

Map Datum: NAD 83
Projection: UTM in metres
Topographic Data Source: Land Information Canada
Mining Land Tenure: Provincial Mining Recorder's Office

This map may not show all registered land parcels and interests. It is not intended to be used for any other purpose. Additional information may be obtained through the Land Titles and Registry Office, at the Ministry of Northern Development and Mines.

Date / Time of Issue Apr 24 2001 08:48h Eastern
 TOWNSHIP / AREA PLAN
 WHITESIDES G-3230
 ADMINISTRATIVE DISTRICTS / DIVISIONS
 Mining Division Porcupine
 Land Titles/Registry Division COCHRANE
 Ministry of Natural Resources District TIMMINS

TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession Lot
- Provisional
- Order Reserve
- City/PA/PS/PL
- Canal
- Central Appraisal Authority
- Spot
- Map Reserves
- Palms
- Road
- Tail
- Natural Gas Pipeline
- Hydro Line
- COMMUNICATIONS
- Wooded Area
- Municipal/County Historical/Provincial

LAND TENURE

Freehold Patent

- Surface and Mining Rights
- Surface & Mining Rights
- Mining Rights Only

Leasehold Patent

- Surface and Mining Rights
- Surface & Mining Rights
- Mining Rights Only

Notice of Occupation

- Mineral Surface
- Surface and Mining Rights
- Surface & Mining Rights
- Mining Rights Only

Land Use

- Land Use Lease
- Order Reserve
- Water Power/Order Agreement

LAND TENURE WITHDRAWALS

1234 Areas Withdrawn from Disposition

1234 Mining Act Withdrawal Types

- W/M Surface and Mining Rights Withdrawal
- W/M Surface and Mining Rights Withdrawal
- W/M Mining Rights Withdrawal
- W/M Surface and Mining Rights Withdrawal
- W/M Surface and Mining Rights Withdrawal
- W/M Mining Rights Withdrawal
- W/M Surface and Mining Rights Withdrawal
- W/M Mining Rights Withdrawal

1234 IMPORTANT NOTICES

LAND TENURE WITHDRAWAL DESCRIPTIONS

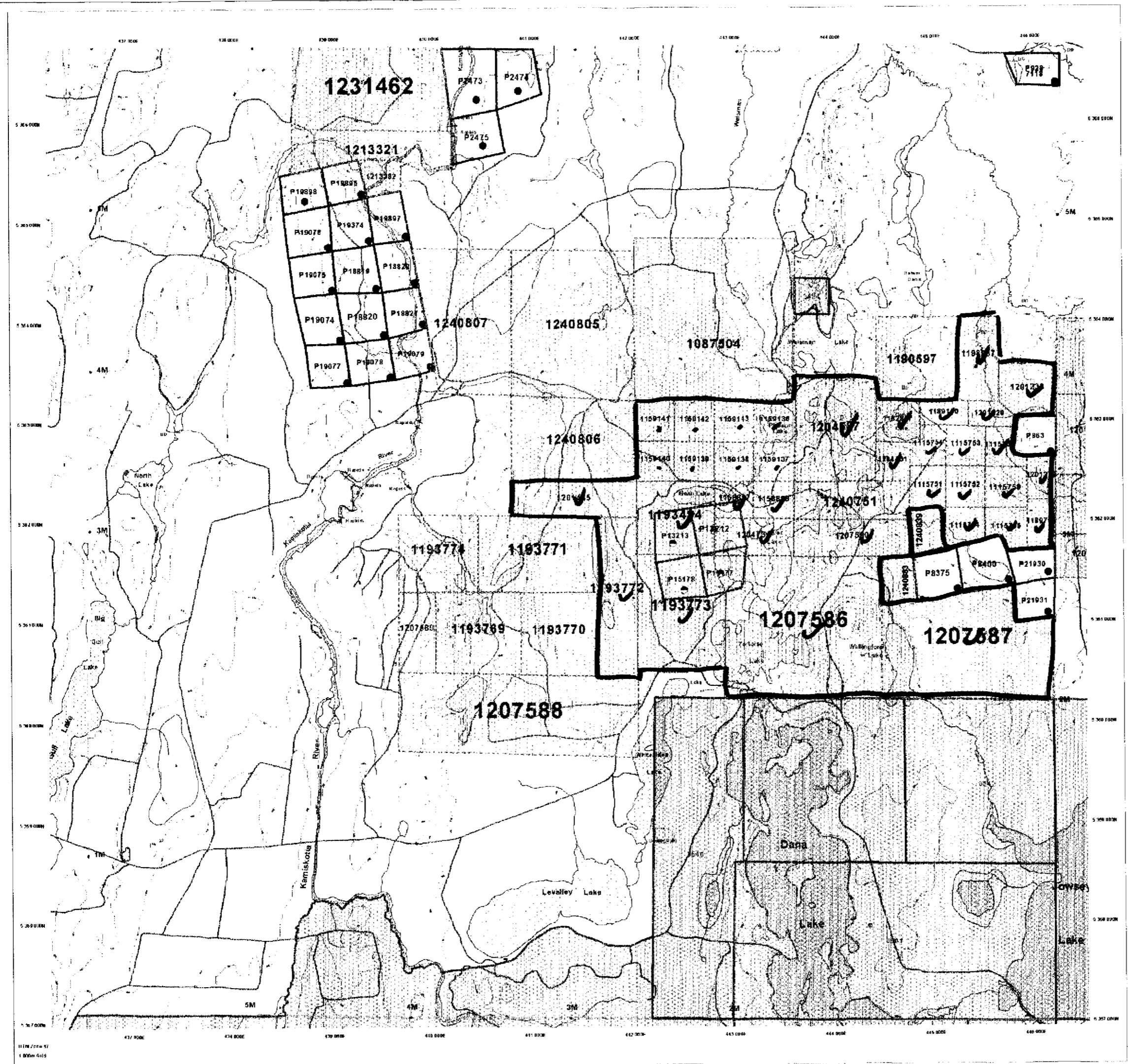
Number	Type	Date	Description
3494	W/M	Jan 1 2001	Mining and Surface Rights Withdrawal from Proclamation, Stamping Out, Sale of Lease Under Section 34 of the Mining Act S.O. 1990 Order No. 801484 dated 04 May 02
3540	W/M	Jan 1 2001	DANA AND JOWSEY LAKES PARK RES. S.R.O. 17192A SEC. 30-00 WARDEN R.D.
3551	W/M	Jan 1 2001	SEC. 4378 20/07/1M & S.R. 171585
3552	W/M	Jan 1 2001	DANA AND JOWSEY LAKES PARK RES. S.R.O. 17192A SEC. 30-00 WARDEN R.D.
3553	W/M	Jan 1 2001	SEC. 4373 1/1 2/00 M. & S.R. 171586
3578	W/M	Jan 1 2001	SEC. 4373 1/1 0/00 M. & S. 171586
3580	W/M	Jan 1 2001	SEC. 4240 02/00 M. & S. 171586
3581	W/M	Jan 1 2001	DANA AND JOWSEY LAKES PARK RESERVE S.R.O. SEC. 30-00 WARDEN NOV. 18/01 M.C.O. 1111
3584	W/M	Jan 1 2001	RESERVE FOR PUBLIC USE S.R.O. SEC. 26 W.L. 1715/180 001 MAY 10/01 M.S.
W.L. 171572	W/M	May 10 1999	SEC. 26 W.L. 1715/180 001 MAY 10/01 M.S.

IMPORTANT NOTICES
 Areas under special regulations, or in areas of conditions need that affect mineral propagation, mining and mineral development activities.

2.21079
 AMAG
 AEM.



42A06NW206 2.21079 GODFREY



This map is a reproduction of the original map as shown in the Provincial Mining Record Office of the Ministry of Northern Development and Mines. It does not represent the status of the land or any other information. This map is not intended for navigation, survey, or legal purposes. The information shown on this map is compiled from various sources. Contour lines and other features are not guaranteed. Additional information may be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources. The information shown is derived from the Provincial Mining Record Office of the Ministry of Northern Development and Mines.

General Information and Limitations
 Contact Information:
 Provincial Mining Resources Office - Toll Free: 1-800-387-2225
 Office Hours: 9:00 AM - 5:00 PM
 42 St. James Street East, Toronto, Ontario M5E 1B5
 Fax: 1-800-387-2225
 Email: pmro@mining.gov.on.ca
 Web: www.mnr.gov.on.ca
 Map Datum: NAD 83
 Projection: UTM
 Contour Interval: 10 m
 Topographic Data Source: 1:50,000 Scale
 Mining Land Tenure Source: Provincial Mining Resources Office

This map is a reproduction of the original map as shown in the Provincial Mining Record Office of the Ministry of Northern Development and Mines. It does not represent the status of the land or any other information. This map is not intended for navigation, survey, or legal purposes. The information shown on this map is compiled from various sources. Contour lines and other features are not guaranteed. Additional information may be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources. The information shown is derived from the Provincial Mining Record Office of the Ministry of Northern Development and Mines.



Date / Time of Issue Apr 24 2001 10:12h Eastern

TOWNSHIP / AREA PLAN

GODFREY G-3991

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division Porcupine
Land Titles/Registry Division COCHRANE
Ministry of Natural Resources District TIMMINS

TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession Line
- Province Park
- Power Line
- Water
- Contour
- Contour - Spot or Assumed Contour
- Spot
- Major Highway
- Dam
- Road
- Trail
- Natural Gas Pipeline
- Hydro Line
- Communication Line
- Wetland Area
- Measured or Assumed Horizontal Control

LAND TENURE

- Feehold Patent
- Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only
- Leasehold Patent
- Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only
- License of Occupation
- Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Permit
- Mineral Lease
- Water Power Lease Agreement
- Mining Claims

LAND TENURE WITHDRAWALS

- Area Withdrawn from Operation
- Mining and Water Rights
- Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only
- Water Power Lease Agreement
- Water Rights Only
- Mining Rights Only

IMPORTANT NOTICES

- No

LAND TENURE WITHDRAWAL DESCRIPTIONS

Map No.	Date	Description
3242	Jan 1 2001	TRAILERS CAMP SITE
3250	Jan 1 2001	FLOODING REVISION EITHER SIDE OF THE MATTARAM DAMS TO THE P
3260	Jan 1 2001	RESERVED FOR RECREATIONAL PURPOSES UNDER P.L.A. FILE 18643
3274	Jan 1 2001	PENDING APPLICATION UNDER THE PUBLIC LANDS ACT NOTICE
3375	Jan 1 2001	RECEIVED FOR RECREATIONAL PURPOSES UNDER P.L.A. FILE 18643
3430	Jan 1 2001	PENDING APPLICATION UNDER THE PUBLIC LANDS ACT NOTICE
3434	Jan 1 2001	SALE UNDER APPLICATION FOR AGRICULTURAL PURPOSES

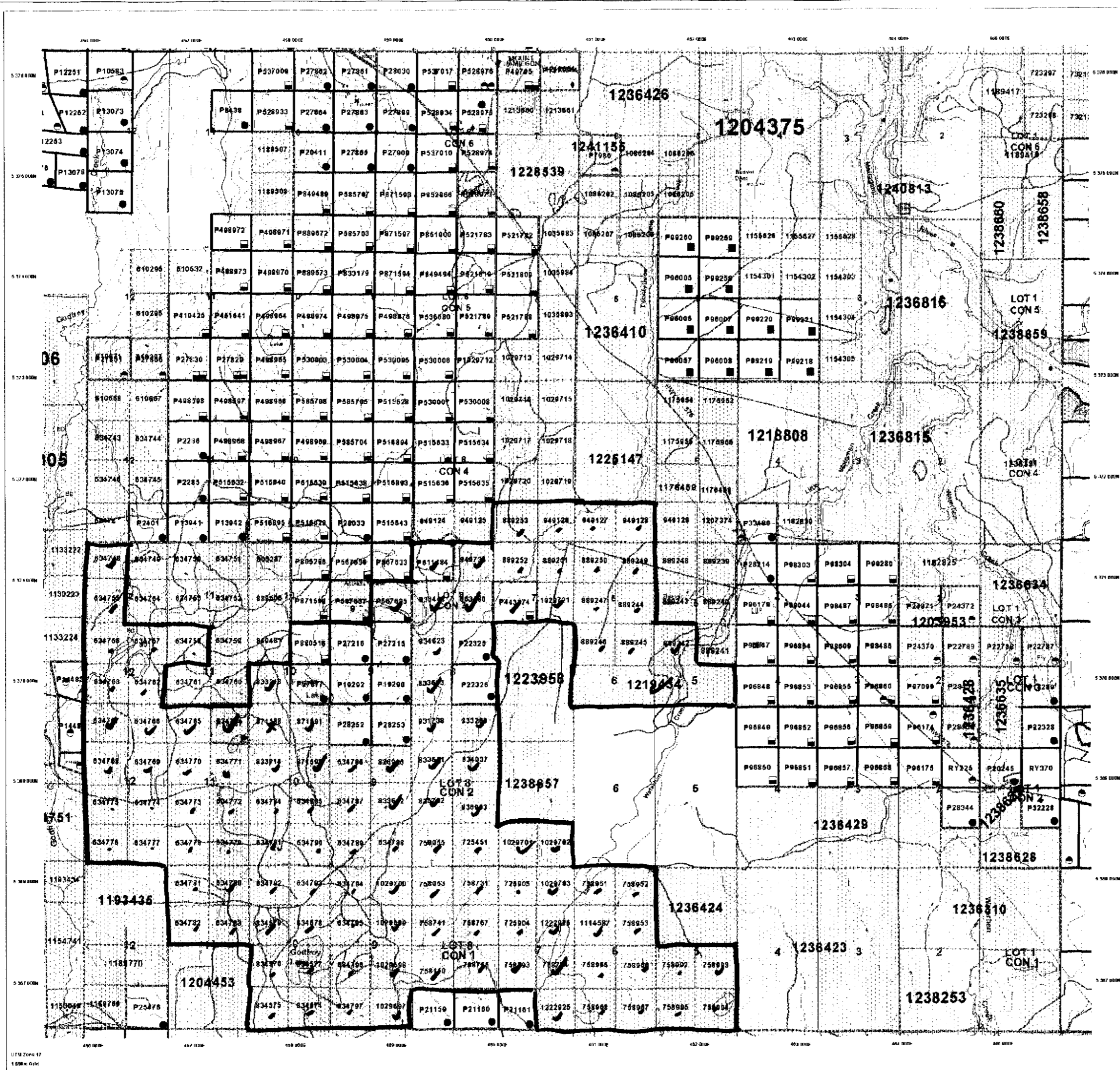
IMPORTANT NOTICES

Areas under special requirements, restrictions or conditions must be affected normal prospecting, mining and mineral development activities.

2.21079
AMTAG
AEM



42A06NW2026 2.21079 GODFREY



General Information and Limitations

This map shows mining claims and concessions and is not a legal document. It is intended for informational purposes only. The Ministry of Northern Development and Mines is not responsible for the accuracy of the information shown on this map. The information shown is derived from the Provincial Mining Records Office. The information shown is derived from the Provincial Mining Records Office. The information shown is derived from the Provincial Mining Records Office.

Massey

Turnbull

Godfrey

Whitesides

Carscallen

Bristol

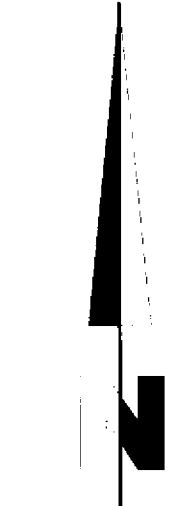
Keeper

Denton

LEGEND

- ⊕ culture
- * 1-2 channels
- ⊕ 3-4 channels
- ⊕ 5-6 channels
- ⊕ 7-8 channels
- 9-10 channels
- 11-12 channels
- conductive trend
- area of conductivity

ASTRONOMIC



EXPLORERS ALLIANCE CORP.
AEM ANOMALIES
WITH FLIGHT LINES

TRACED: M.M.	DATE: 07/01	NTS:	PROJECT:
DRAWN: M.M.	DATE: 07/01	MAP No:	FILE:
SUPERVISED: R.C.	DATE: 07/01	1:40,000	
REVISED:	DATE:		



Massey

Turnbull

Godfrey

Whitesides

Carscallen

Bristol

Keefer

Denton

2.21079

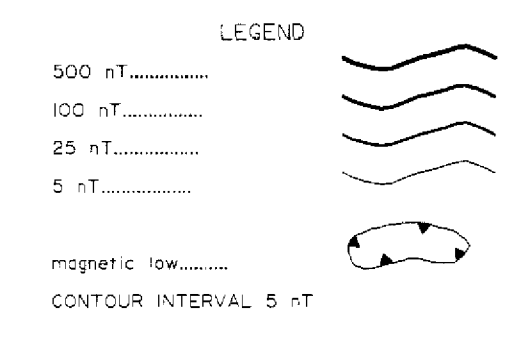
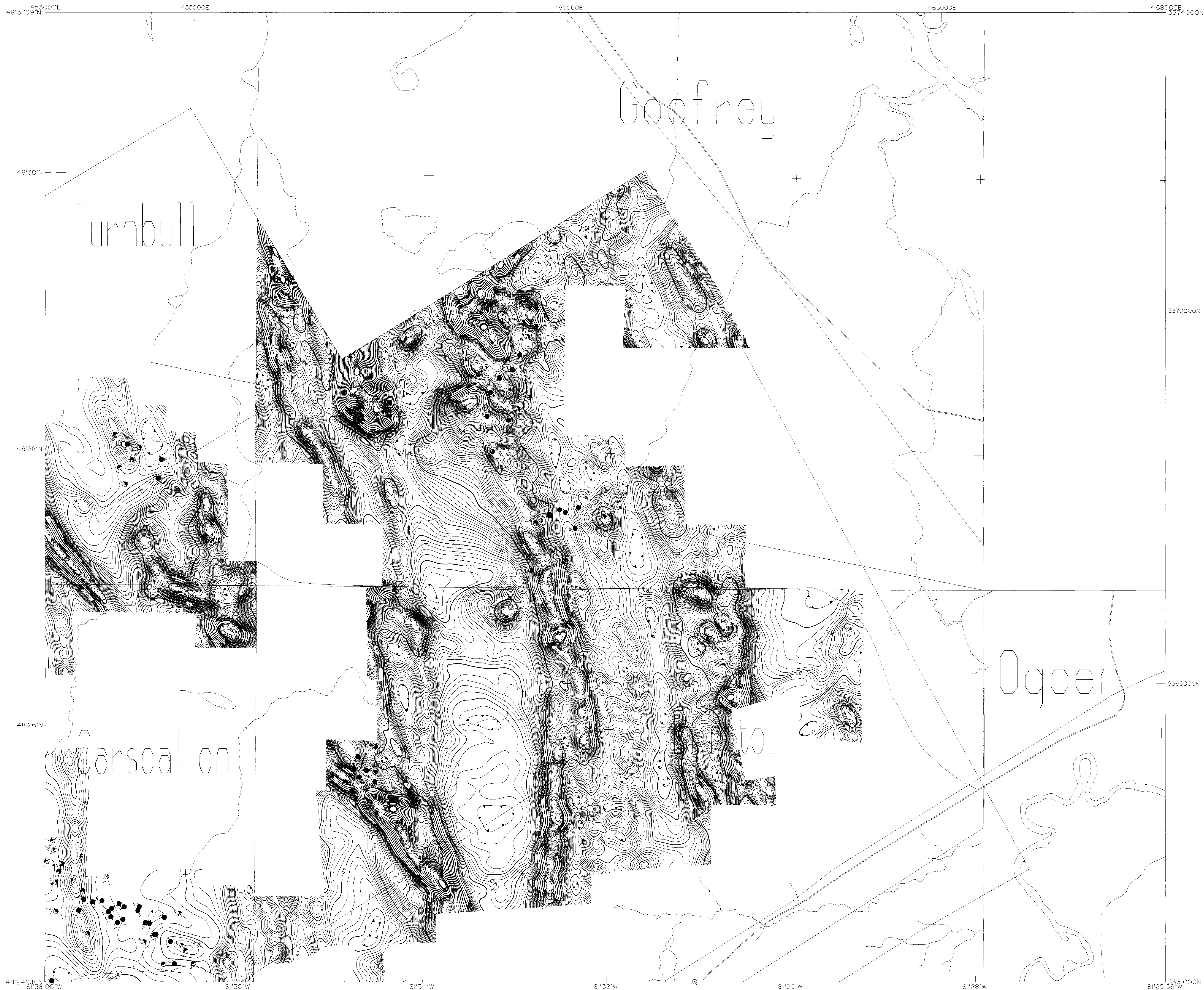
ASTRONOMIC



EXPLORERS ALLIANCE CORP.
PROPERTY MAP
WITH FLIGHT LINES

TRACED : M.M.	DATE : 07/01	NTS :	PROJECT :
DRAWN : M.M.	DATE : 07/01	MAP No :	FILE :
SUPERVISED : R.C.	DATE : 07/01	1 : 40,000	
REVISED :	DATE :		





SURVEY PARAMETERS

Flying Elevation: 120 m Meet Terrain Clearance
 Average Aircraft Speed: 120 kts
 Navigation: Differential GPS
 GPS Receiver: Garmin 1200
 Video Camera: Sanyo CCD

EQUIPMENT SPECIFICATIONS

Magnetics: Scintrex CS-2 Cesium Vapor
 Resolution: 1 m
 Sensitivity: 0.01 nT
 Sample Rate: 0.10 s

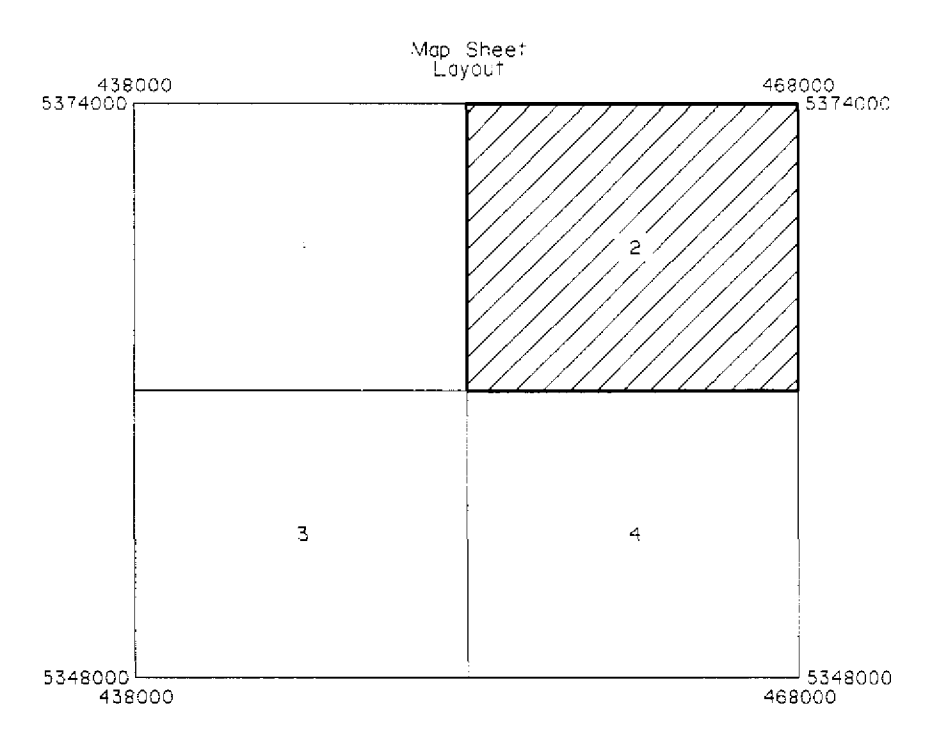
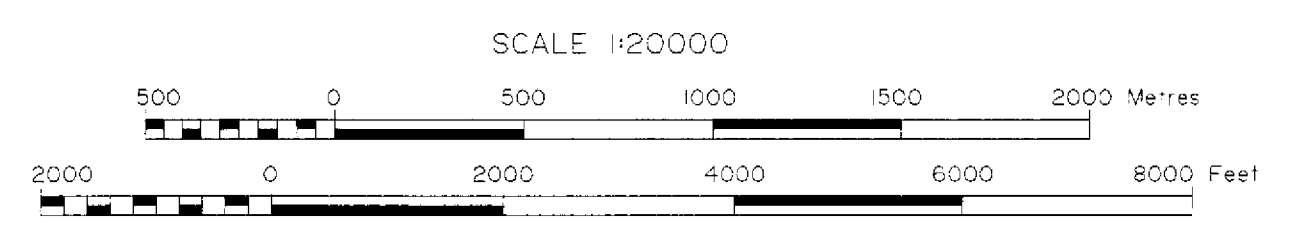
Electromagnetics: GEOSW III Multi Coil 20 Channels
 Resolution: 1 m
 Position: From the top mounted on the aircraft
 Dip Orientation: 90° and 2
 Frequency: 100 Hz
 Pulse Width: 100 μs
 Geometry: 1 m x 1 m horizontal separation of 124 m
 Sampling: 0.25 s

GEOGRAPHIC INFORMATION

Map Projection: UTM
 Zone: 18N
 Central Meridian: 78° West
 False Easting: 500000 m
 False Northing: 0 m
 Scale Factor: 0.9996

MN
 GN
 TN

Grid Convergence = 0.00°
 Declination = -10.60°



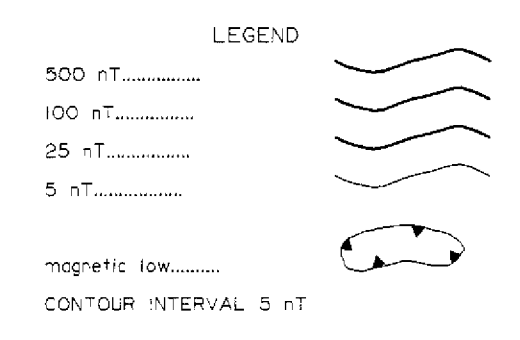
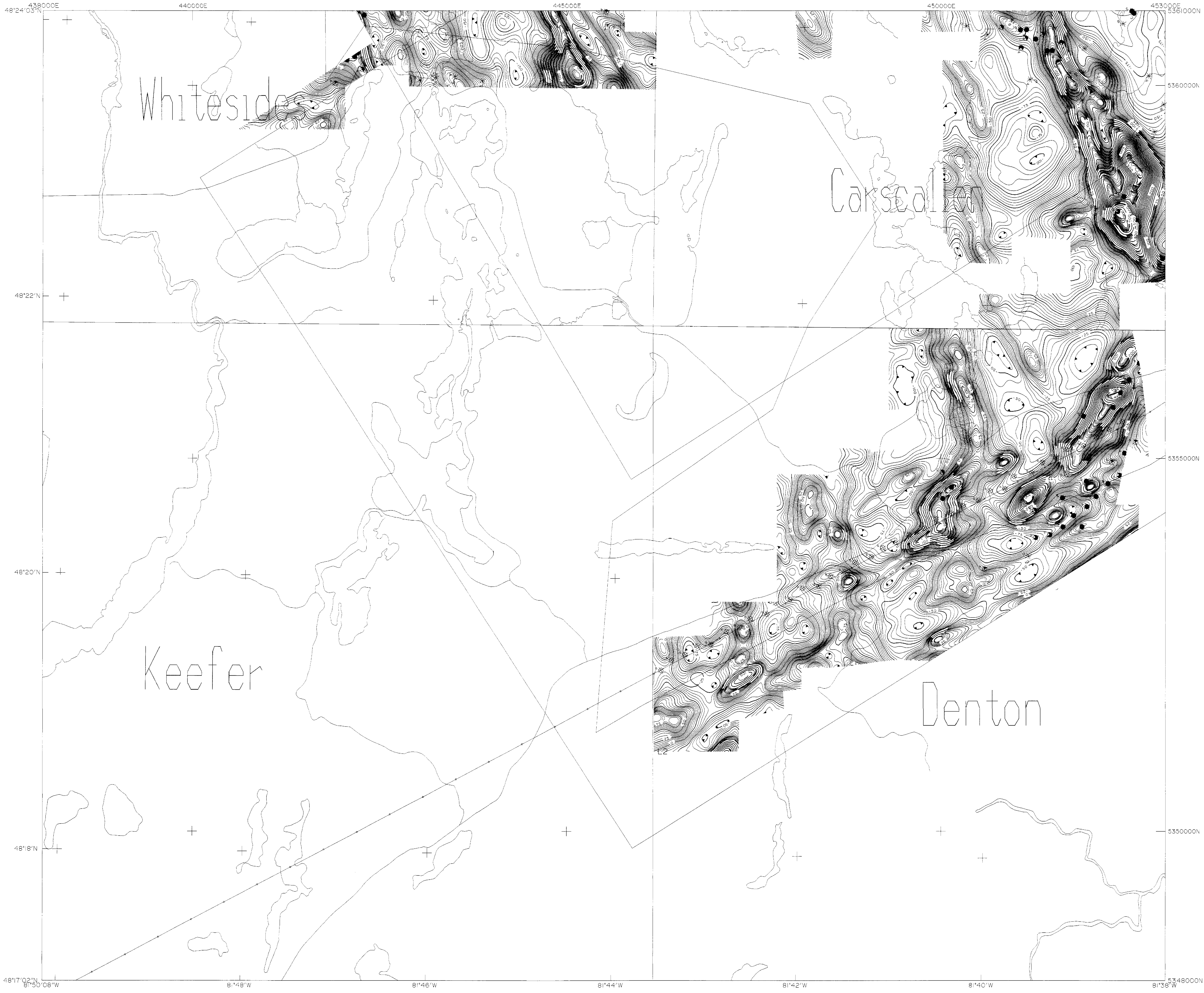
FUGRO AIRBORNE SURVEYS

Airborne Megatem / Magnetic Survey
 FOR
Explorer's Alliance Corporation

Timmins Joint Venture Project
 Blocks 1 & 2

Total Magnetic Intensity with EM Anomalies

SHEET 2 OF 4 Altitude = 120 m 20mag002.mtg
 SCALE 1:20000 DATE: October, 2000 Flight Project No:669



SURVEY PARAMETERS
 Flying Elevation: 120 m Mean Terrain Clearance
 Average Aircraft Speed: 70 m/s
 Navigation: Differential GPS
 GPS Receiver: Serial No. 123, 10 Channels
 Video Camera: Model: WC320

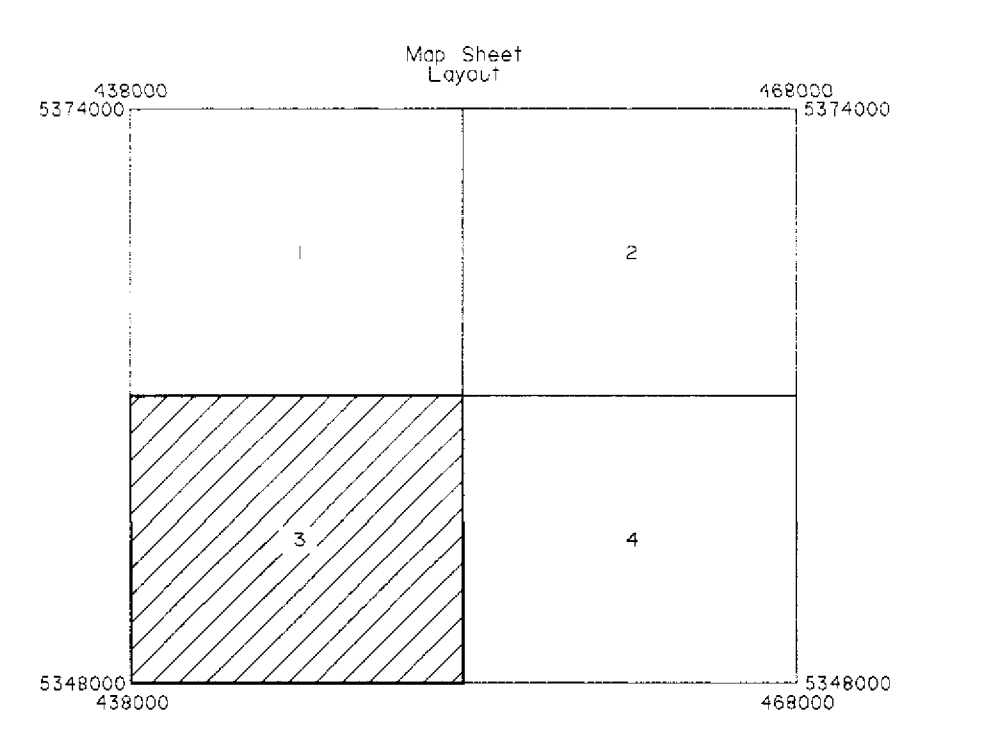
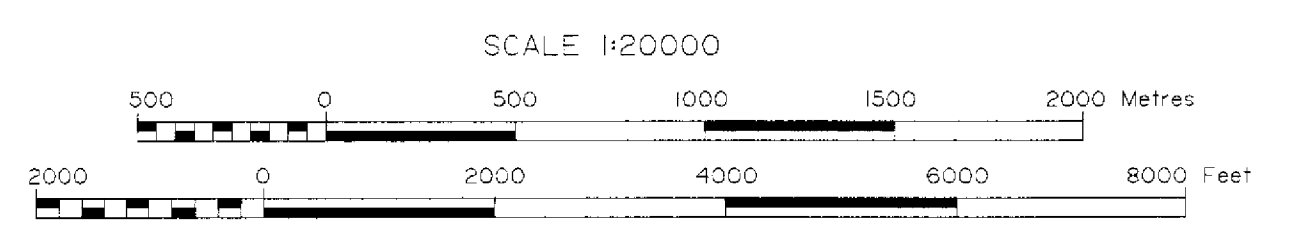
EQUIPMENT SPECIFICATIONS
 Magnetometer: Scintrex CS-2 Cesium Vapour
 Installation: Fixed 3/4
 Sensitivity: 0.05 nT
 Sampling: 1 s

Electromagnetics
 System: GEOTEM III, Multichannel, 20 Channels
 Installation: Strapped load mounted on the aircraft
 Step per side in a towed bird
 Coil Orientation: X and Z
 Frequency: 30 Hz
 Pole of Moment: 1 m
 Geometry: 1/2 m horizontal separation of 124 m
 1/2 m vertical separation of 60 m
 Sampling: 0.25 s

GEODETIC INFORMATION
 Map Projection: UTM
 Spheroid: Clarke 1866
 Central Meridian: 81 degrees West
 False Easting: 500000 m
 False Northing: 0
 Scale Factor: 0.9996



Gr d Convergence = 0.00°
 Declination = -10.63°



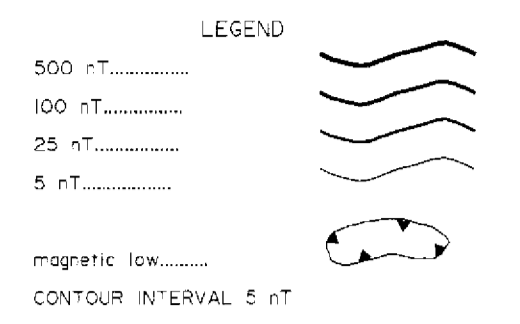
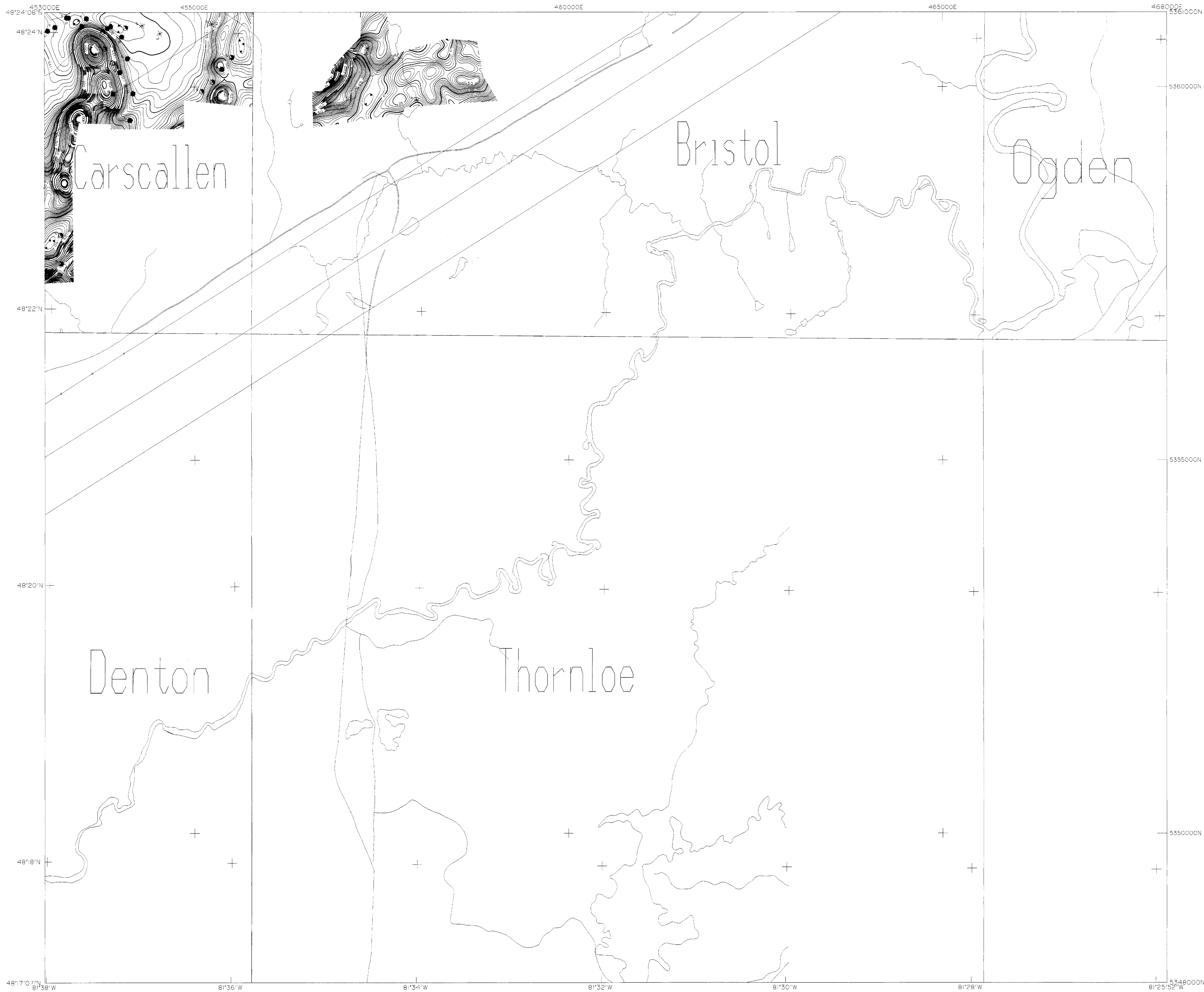
FUGRO AIRBORNE SURVEYS

Airborne Megatem / Magnetic Survey
 FOR
 Explorer's Alliance Corporation

Timmins Joint Venture Project
 Blocks 1 & 2

Total Magnetic Intensity with EM Anomalies

SHEET 3 OF 4
 SCALE 1:20000
 Altitude = 120 m
 DATE: October, 2000
 20mag003.mrg
 Fugro Project No.059



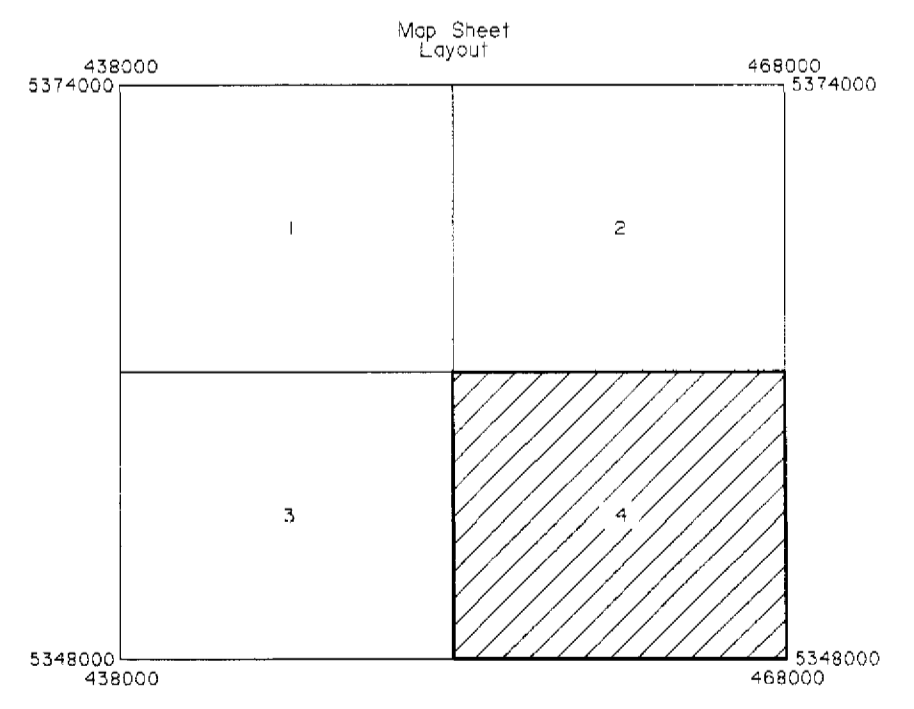
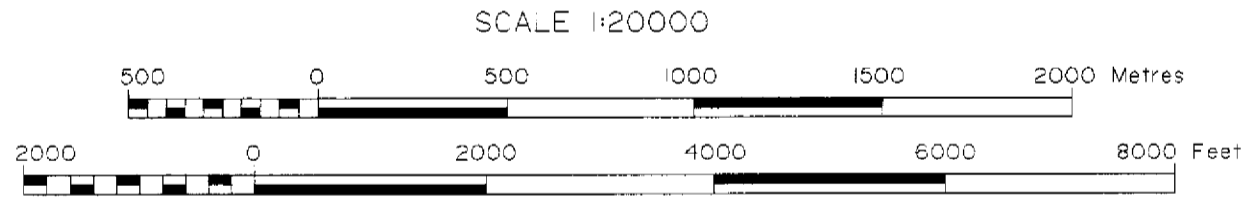
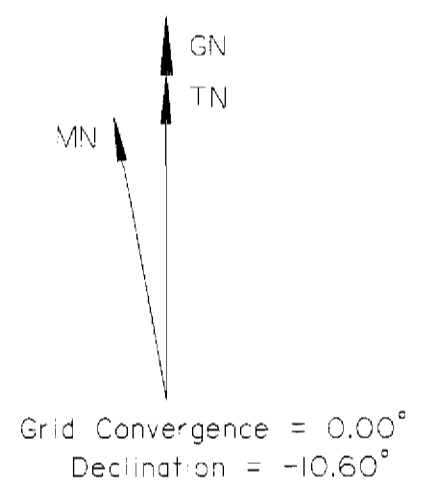
Flighting Platform: SURVEY PARAMETERS
 Average Altitude: 100 m
 Mean Terrain Clearance: 10 m
 Map Projection: Differential GPS
 GPS Receiver: Series HP 10 Channels
 Video Camera: Hitec VM-C310

EQUIPMENT SPECIFICATIONS

Magnetics
 Type: Scintrex CE-2 Cesium Vespene
 Installation: Towed Bird
 Band Width: 0.5 Hz
 Sample Rate: 0.10 s

Electromagnetics
 Type: GEOTEK III, Multiplexed, 20 Channels
 Installation: Triangular, 1500 Meters at the Circumference
 Frequency: 30 Hz
 Coil Orientation: Reciprocal coils in a towed bird
 Pulse Width: 8 ms
 Duration: 1.28 s
 Sample Rate: 1.28 s horizontal separation of 124 m
 Sample Rate: 1.28 s vertical separation of 100 m

GEODETIK INFORMATION
 Map Projection: UTM
 Spheroid: Clarke 1866
 Central Meridian: 114 degrees west
 False Easting: 500000 m
 False Northing: 0
 Scale Factor: 0.9996



TUGRO AIRBORNE SURVEYS

Airborne Magnetem / Magnetic Survey

FOR

Explorer's Alliance Corporation

Timmins Joint Venture Project
 Blocks 1 & 2

Total Magnetic Intensity with EM Anomalies

SHEET 4 OF 4 Altitude = 100 m 20mag004.mrg
 SCALE 1:20000 DATE: October, 2000 Page Project No.659