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APPENDIX 1:

MAPS 1-7

REPORT ON THE 2006 EXPLORATION PROGRAM

CARRIED OUT ON THE STEWART PROPERTY:

SKEENA MINING DIVISION,

NORTHWESTERN BRITISH COLUMBIA

LATITUDE 56° 37' NORTH
LONGITUDE 129° 31' WEST
NTS 104 A/11W, 104 A/12E

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
28832

BY

GEOFINE EXPLORATION CONSULTANTS LTD.

FOR

THE WEEKES' INVESTMENT GROUP

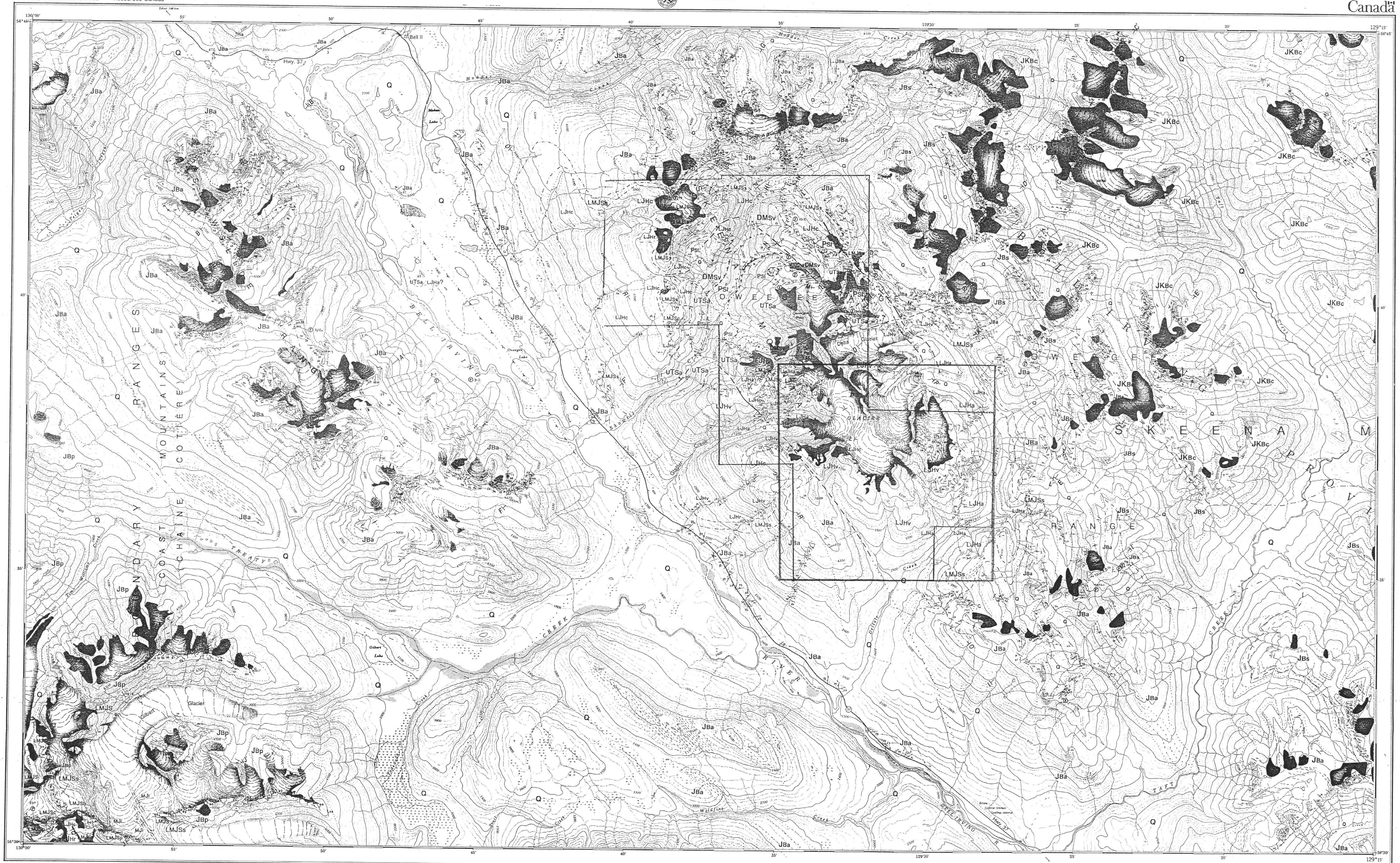
JANUARY 2007

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
28,832

Énergie, Mines et Ressources Canada / Energy, Mines and Resources Canada

GEOLOGICAL SURVEY OF CANADA · COMMISSION GÉOLOGIQUE DU CANADA

Canadä



DELTA PEAK

CASSIAR LAND DISTRICT
BRITISH COLUMBIA COLOMBIE-BRITANNIQUE

Scale 1:50 000 Échelle

TAFT CREEK

CASSIAR LAND DISTRICT
BRITISH COLUMBIA

Scale 1:50 000 Échelle

PROFESSIONAL GEOSCIENTIST
DAVID E. MOLLOY
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MAP 1

STEWART PROPERTY GEOLOGY, GSC, 1993

2006 STEWART PROPERTY OUTLINE

GEOLOGY OF OWEEGEE DOME

DELTA PEAK (104A/12) AND TAFT CREEK (104A/11W) MAP AREAS, NORTHWESTERN BRITISH COLUMBIA

C.J. GREIG and C.A. EVENCHICK
(with contributions by M.H.Gunning, B.D.Ricketts and S.P.Porter)

Scale 1:50,000

LEGEND

QUATERNARY

Q thick drift: colluvium, alluvium, till.

STRATIFIED ROCKS

MIDDLE(?) AND UPPER JURASSIC TO LOWER CRETACEOUS(?)

BOWSER LAKE GROUP

JKBc chert litharenite lithofacies: fine to medium grained, moderately well sorted chert litharenite, interrbedded silty mudstone, common bivalve coquinas, rare chert pebble conglomerate.

MIDDLE(?) AND UPPER JURASSIC

BOWSER LAKE GROUP

JBs silty mudstone lithofacies: bioturbated silty mudstone with regularly interbedded, buff weathering, Fe-carbonate cemented fine grained sandstone.

JBa arkosic volcanic litharenite turbidite lithofacies; thin and medium bedded, fine to medium grained, poorly sorted arkosic litharenite with interbedded silty mudstone.

JBp pyritic silty mudstone lithofacies; pyritic, siliceous, tuffaceous silty mudstone, fine to medium grained lithic arkose.

LOWER AND MIDDLE JURASSIC

HAZELTON GROUP
SALMON RIVER FORMATION

LMJSs thin bedded siliceous silty mudstone, clay-altered dust tuff(?), discontinuous limestone lenses.

LMJSb amygdaloidal pillow basalt, basalt pillow breccia, tuff-breccia and debris flow breccia.

LMJSr rhyodacite lapilli tuff-breccia; locally welded.

LMJS fossiliferous limy, coarse grained arkose; polymict pebble, boulder and cobble conglomerate.

LMJSp pyritic silty shale and mudstone.

LMJS undivided Spatsizi Group

LOWER JURASSIC

HAZELTON GROUP

LJHr felsic lapilli tuff-breccia, ash and dust tuff. Dillworth

LJHc boulder and cobble conglomerate, pebbly sandstone; well-stratified, green and maroon ash, lapilli and dust tuff, tuffaceous arkose and mudstone.

LJHv intermediate to mafic plagioclase-pyroxene and subordinate plagioclase-hornblende phyric lapilli tuff-breccia, lapilli, ash and dust tuff, flows; derived debris flows, arkose and siltstone.

LJHa thick bedded and massive tuffaceous arkose and siltstone with abundant syn-depositional soft-sediment deformation structures; mafic to intermediate fragmental volcanic rocks and associated debris flows.

UPPER TRIASSIC

STUHINI GROUP

UTSa plagioclase-pyroxene crystal tuff turbidite arkose and siltstone, plagioclase-pyroxene phyric mafic to intermediate lapilli and ash tuff, tuff-breccia and rare flows; minor limestone lenses.

PALEOZOIC

STIKINE ASSEMBLAGE

PERMIAN

PSl medium and thick bedded to massive bioclastic limestone with chert interlayers; thin-bedded micrite.

DEVONIAN AND MISSISSIPPIAN

DMSv mafic to intermediate plagioclase-pyroxene phyric lapilli tuff, lapilli tuff-breccia, and flows; plagioclase phyric amygdaloidal andesite(?) flows; rhyolite and rhyodacite lapilli tuff-breccia.

INTRUSIVE ROCKS

MIDDLE JURASSIC OR YOUNGER

MJi pyroxene diorite sills.

MAP SYMBOLS

Limit of thick Quaternary drift.

Geologic contact: defined, approximate, inferred.

Thrust or reverse fault, defined, approximate, inferred; teeth on upthrown side.

High angle fault, defined, approximate, inferred; ball on downthrown side.

Bedding: inclined, vertical, overturned;
estimated: vg=very gentle(<10°), g=gentle (10°-30°), m=moderate(30°-50°), s=steep(50°-70°), vs=very steep(>70°).

Bedding formlines.

Cleavage: inclined, vertical.

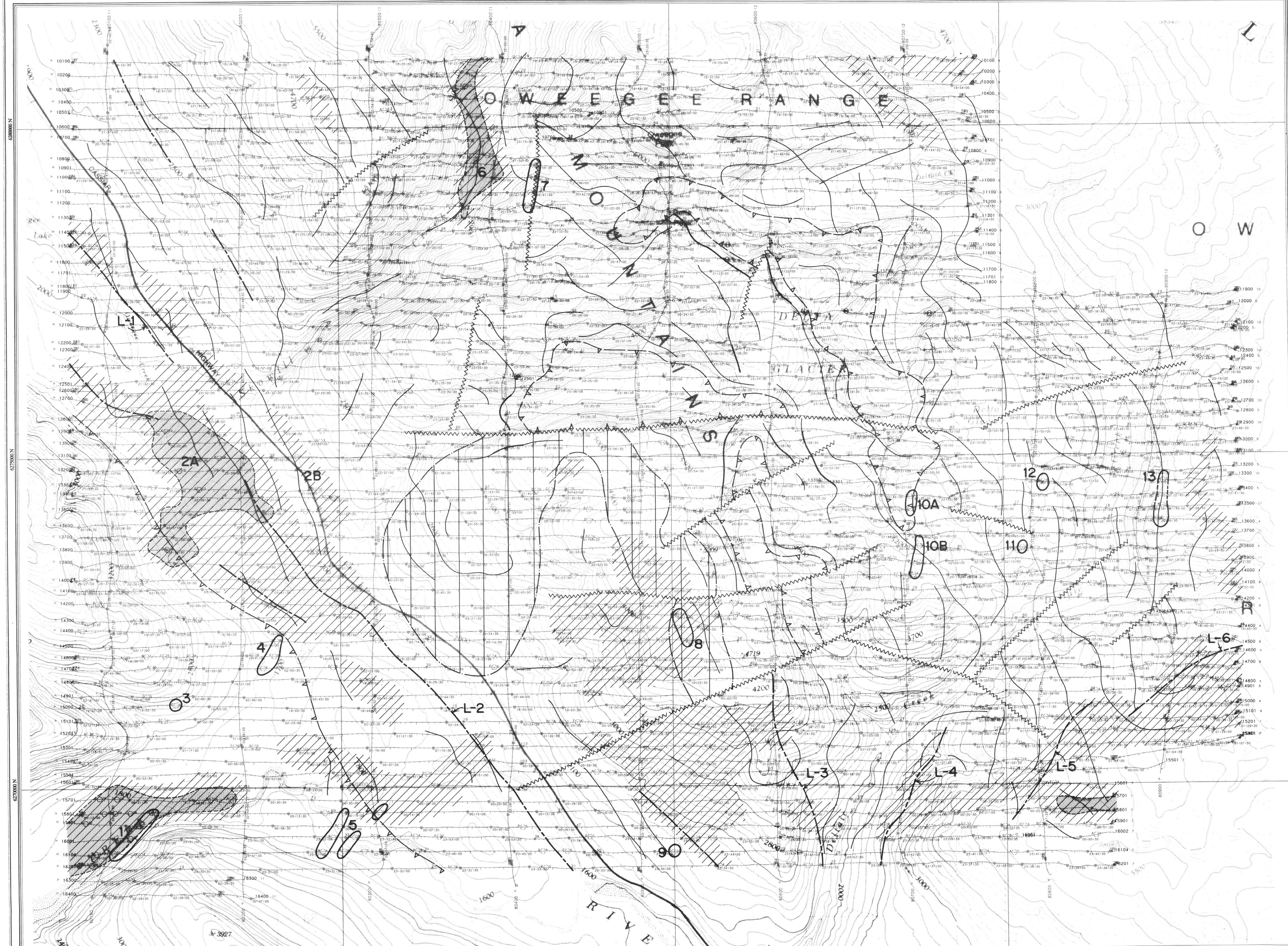
Minor fold axis, plunge.

Anticline, overturned anticline, trace of axial surface: defined, approximate; arrow indicates vergence direction.

Syncline, overturned syncline, trace of axial surface: defined, approximate; arrow indicates vergence direction.

K — K' Line of cross-section

Fossil locality



Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for 56° 36'N Latitude, 129° 42'W longitude. Use diagram for reference only.

Grid North - True North: 0° 13'
True North - Magnetic North: 25° 6'
Annual change: -10.8' from 1997.3

Inclination = 74° 45.6'
Annual change: -0.6' from 1997.3

FLIGHT PATH AND PLANIMETERY

Navigation and flight path recovery was conducted using a satellite Global Positioning System (GPS) and has been differentially corrected.

Lines were flown at an azimuth of 90-270° with an average line spacing of 200 m.

Average aircraft-terrain clearance of 74 m was monitored by radar altimeter.

Planimetric information was derived from enlarged 1:50 000 government maps.

Clarke 1866 Ellipsoid.
NAD 27 Datum , UTM Projection.
Local Transformation: Canada
(DX= -10m, DY= 158m, DZ= 187m)

EM ANOMALIES

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

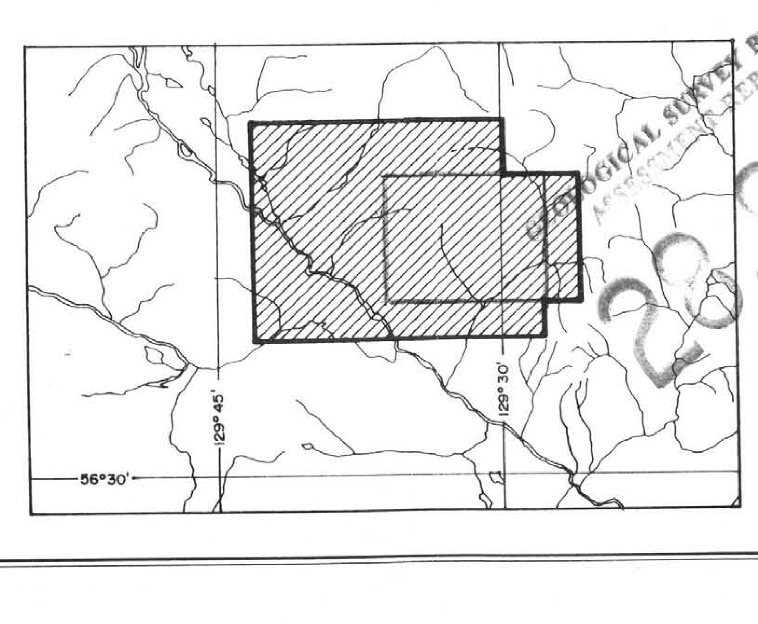
Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

0 - 1 mhos
1 - 2 mhos
2 - 4 mhos
4 - 8 mhos
8 - 16 mhos
16 - 32 mhos
> 32 mhos
M Magnetite

INTERPRETATION

Relatively high amplitude magnetic trend
Other magnetic trend
Magnetic zone related to source at depth
Non-magnetic below background zone
Low resistivity linear horizon (coplanar 4,500 Hz)
General area of low resistivity (coplanar 900 Hz)
Low resistivity zone less than 200 ohm metres (coplanar 900Hz)
Fault/contact structure interpreted from magnetics
Conductive or low resistivity response designated for investigation



MAP 2 (2006 Report)

GEOFINE EXPLORATION CONSULTANTS LTD.

INTERPRETATION

STEWART
British Columbia

SCALE 1:20 000

500 0 200 400 1000 2000 metres

AERODAT INC.

Date Flown: April, 1997
Map Ref: 104A/11,12
Project Ref: J9739-2

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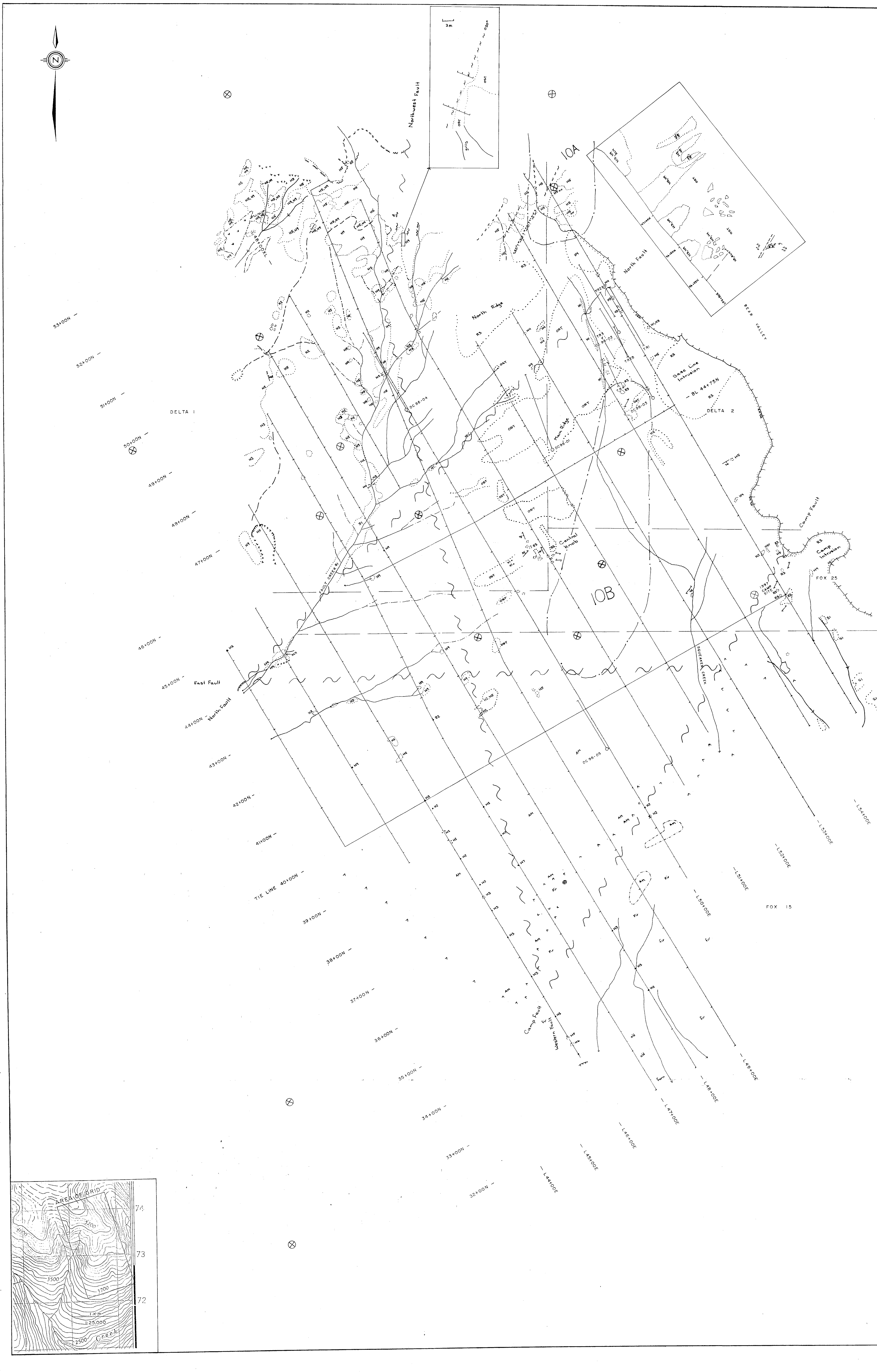
GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT
28,332



LEGEND

ROCK TYPES

Q thick drift, coluvium, alluvium, till

MIDDLE (?) AND UPPER JURASSIC - BOWSER LAKE GROUP

B1 silty mudstone lithofacies: bioturbated silty mudstone with regularly interbedded, Fe-carbonate cemented fine grained sandstone

B2 arkosic volcanic litharenite turbidite lithofacies: thin and medium bedded, fine to medium grained, poorly sorted arkosic litharenite with interbedded silty mudstone

B3 pyritic silty mudstone lithofacies: pyritic, siliceous, tuffaceous silty mudstone, fine to medium grained lithic arkose

B4 undifferentiated Bowser Lake Sediments

HAZELTON GROUP - SALMON RIVER FORMATION

S1 undifferentiated sediments (shale, mudstone, dust, limestone, conglomerate, tuffaceous sediments)

S2 ukndifferentiated volcanics (basalt, pillowed basalt, volcanic breccia)

HAZELTON GROUP - LOWER AND MIDDLE JURASSIC

H1 ferricrete

H2 crystal tuff

H3 crystal tuff breccia, agglomerate

H4 ash tuff, ash tuff breccia, agglomerate

H5 undifferentiated pyroclastic rocks: tuff, breccia, agglomerate

H6 felsic volcanic rocks (rhyolite)

H7 intermediate volcanic rocks (dacite)

H8 mafic volcanic rocks (basalt, pillowed basalt, andesite)

H9 undifferentiated, strongly altered rock

INTRUSIVE ROCKS

R1 felsic dykes

R2 hornblende diorite porphyry

R3 quartz feldspar porphyry

R4 mafic dyke

ALTERATION ZONES

AL4 fault gouge

ABBREVIATIONS

ald	alder	OST	oxidized soil, talus
AM	alpine meadow	ox	oxidized
bx	brecciated	py	pyrite
fir	fir trees		

SYMBOLS

outcrop area
rock sample insitu
composite/chip of insitu rock
panel sample at least 1m x 1m
float sample
drill hole & direction 1996
trench 1997
helicopter landing site
fault
interpreted fault
assumed geological contact
FOX 15 claim line and name
cliff
stream & flow direction
intermittent stream
strike and dip of zone
strike and dip of fracture
strike and dip of shearing
1997 weak EM anaomaly
10B conductive or low resistivity response designated for investigation

STEWART PROPERTY

MAP 3 (2006 Report)

DELTAIC GRID - GEOLOGY

Scale 1:2 500

Geofine Exploration Consultants Ltd. December 1997

EM Anomaly

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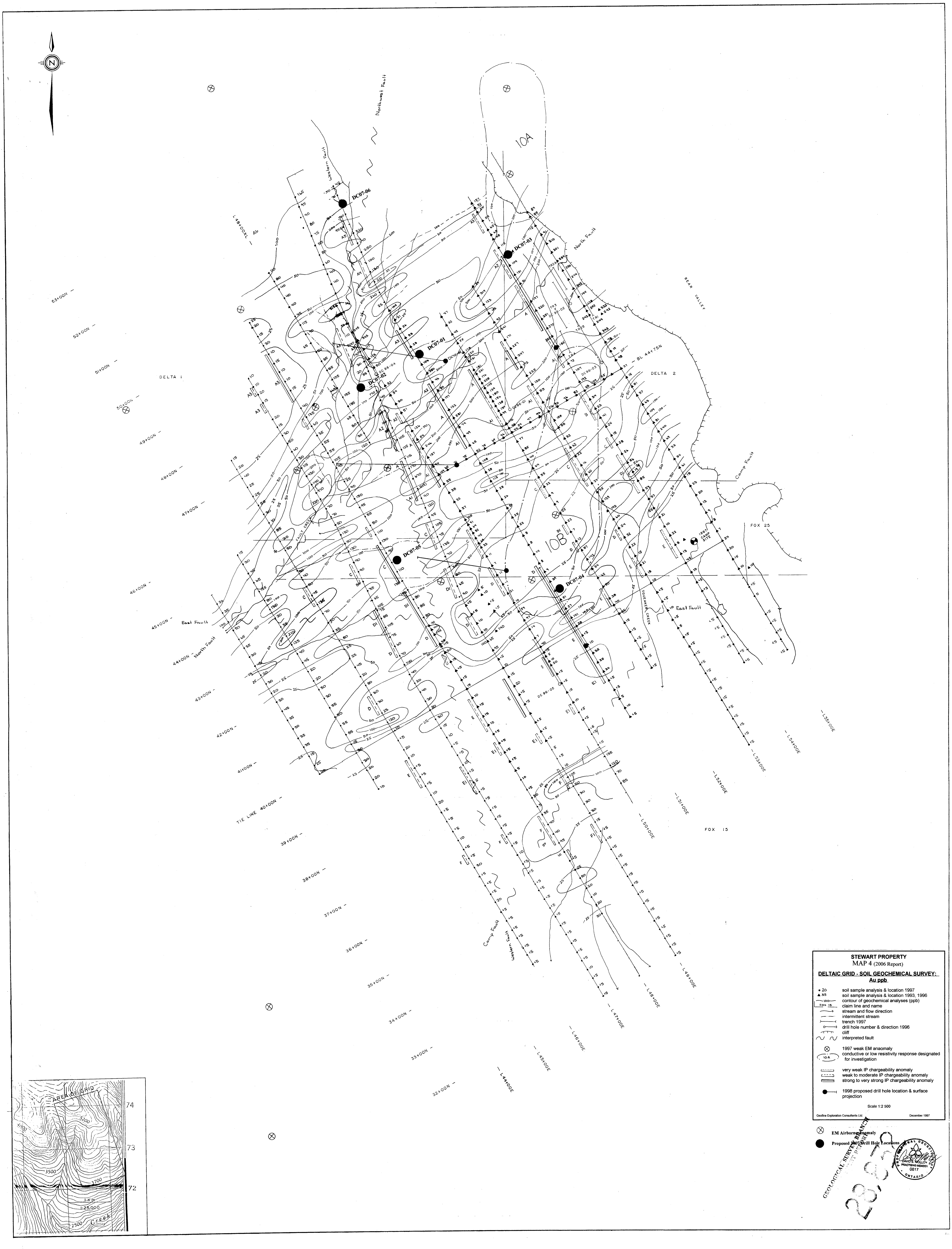
GEOLOGICAL SURVEY BRANCH

28,932


STEWART PROPERTY
MAP 4 (2006 Report)
DELTAIC GRID - SOIL GEOCHEMICAL SURVEY: Au ppb
20 soil sample analysis & location 1997
35 soil sample analysis & location 1993, 1996
100 contour of geochemical analyses (ppb)
FOX 15 claim line and name
stream and flow direction
intermittent stream
trench 1997
drill hole number & direction 1996
cliff
interpreted fault
1997 weak EM anaomaly
10A conductive or low resistivity response designated for investigation
very weak IP chargeability anomaly
weak to moderate IP chargeability anomaly
strong to very strong IP chargeability anomaly
1998 proposed drill hole location & surface projection
Scale 1:2 500
Geofine Exploration Consultants Ltd.
December 1997
EM Airborne Anomaly
Proposed 2007 Drill Hole Locations
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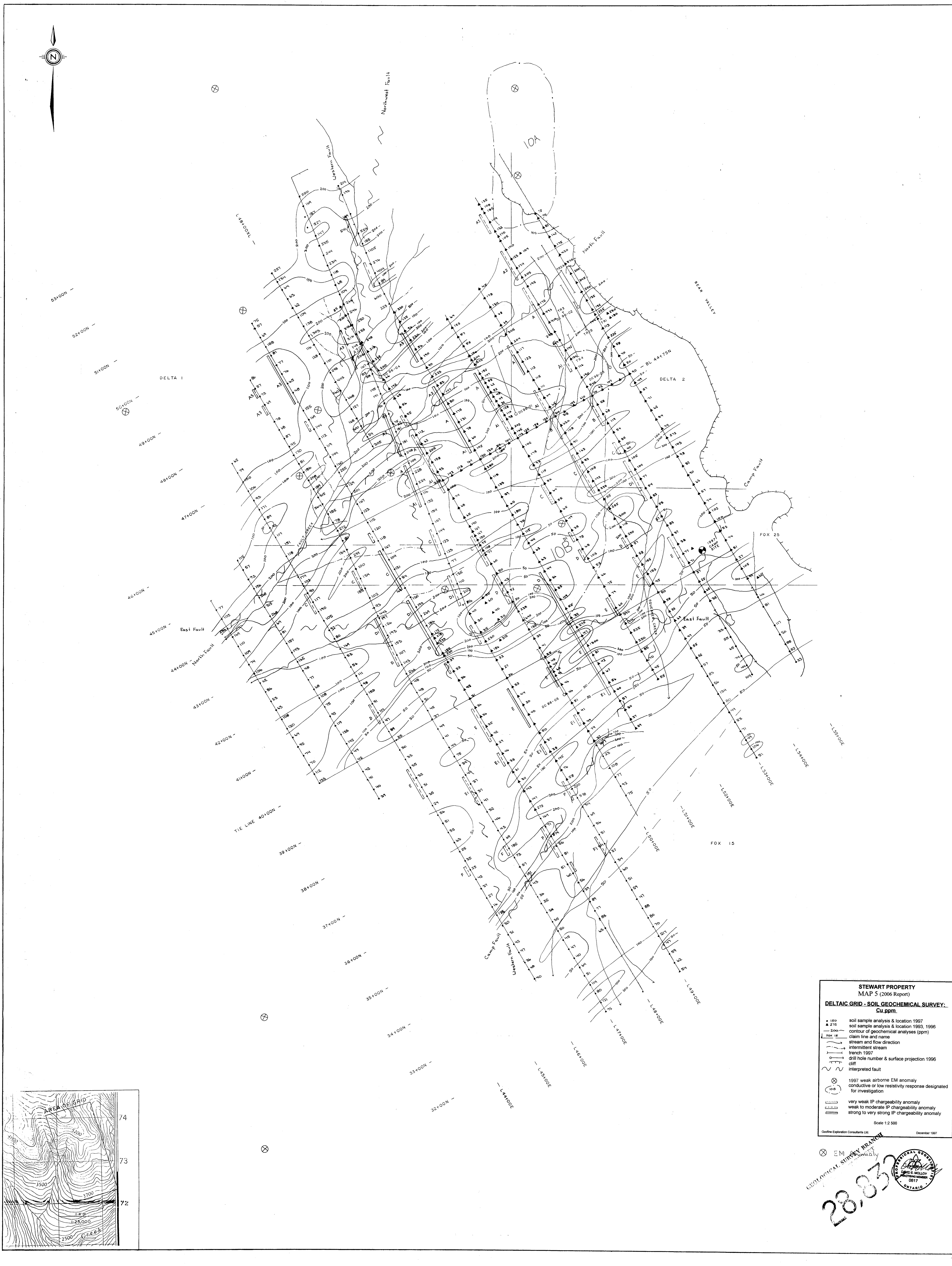
GEOLOGICAL SURVEY BRANCH
DC07-06
DC07-03
DC07-01
DC07-02
DC07-05
DC07-04
10A
10B
DELTA 1
DELTA 2
BL 44+75N
TIE LINE 40+00N
Northwest Fault
Western Fault
North Fault
East Fault
Camp Fault
BEAR VALLEY
FOX 25
FOX 15
1997 CAMP SITE
SQUEAKER CREEK
AREA OF GRID
1:25,000



STEWART PROPERTY
MAP 5 (2006 Report)
DELTAIC GRID - SOIL GEOCHEMICAL SURVEY:
Cu ppm
soil sample analysis & location 1997
soil sample analysis & location 1993, 1996
contour of geochemical analyses (ppm)
claim line and name
stream and flow direction
intermittent stream
trench 1997
drill hole number & surface projection 1996
cliff
interpreted fault
1997 weak airborne EM anomaly
conductive or low resistivity response designated for investigation
very weak IP chargeability anomaly
weak to moderate IP chargeability anomaly
strong to very strong IP chargeability anomaly
Scale 1:2 500
Geofine Exploration Consultants Ltd.
December 1997
DELTA 1
DELTA 2
FOX 25
FOX 15
BEAR VALLEY
Western Fault
Northwest Fault
North Fault
East Fault
Camp Fault
1997 CAMP SITE
10A
10B
BL 44+75N
TIE LINE 40+00N
AREA OF GRID
EM Anomaly
GEOLOGICAL SURVEY BRANCH
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STEWART PROPERTY

MAP 6 (2006 Report)

DELTAIC GRID - SOIL GEOCHEMICAL SURVEY: Zn ppm

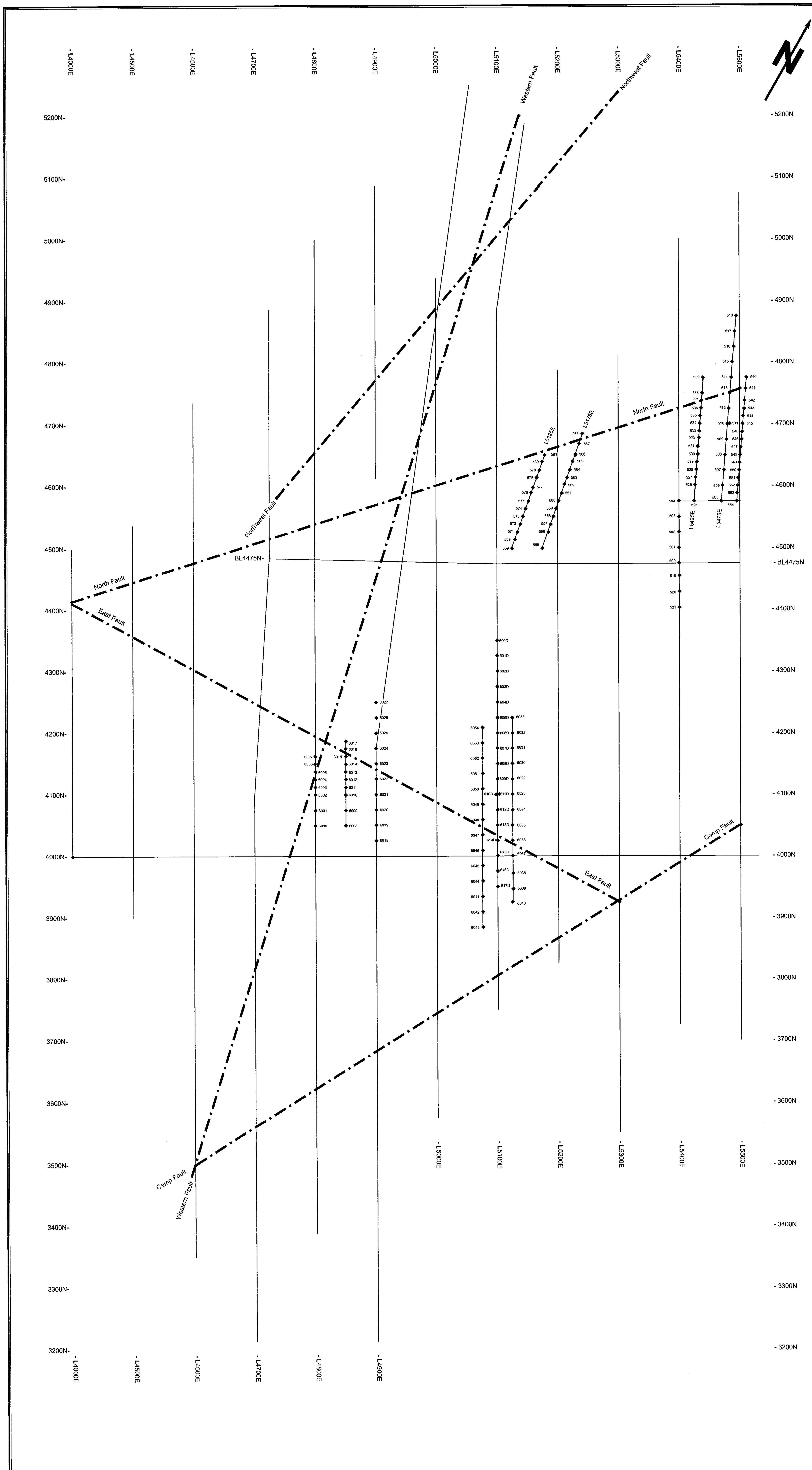
- 494 soil sample analysis & location 1997
- 236 soil sample analysis & location 1993, 1996
- 300 contour of geochemical analyses (ppm)
- FOX 15 claim line and name
- stream and flow direction
- intermittent stream
- trench 1997
- drill hole number & direction 1996
- cliff
- interpreted fault
- 1997 weak airborne EM anomaly
- 10B conductive or low resistivity response designated for investigation
- very weak IP chargeability anomaly
- weak to moderate IP chargeability anomaly
- strong to very strong IP chargeability anomaly

Scale 1:2 500

Geofine Exploration Consultants Ltd.

December 1997

⊗ EM Anomaly



MMI-M ANALYTICAL RESULTS

DELTAIC GRID

FOLLOW-UP SAMPLES (AUG & OCT 2006) & -D ORIENTATION SAMPLES (JULY 2006)

Samples 555 to568 (L5125E) | Samples 569 to 581 (L5175E) | Samples 525 to 539 (L5425N) | Samples 500D to 521D (L5475N) | Samples 540 to 554 (L5500N)

NE TARGET AREA

SAMPLE NO.	LINE (E)	STN (N)	Au MMI-M5	Cu MMI-M5	Pb MMI-M5	Zn MMI-M5	Ba MMI-M5	Er MMI-M5	Eu MMI-M5	Mo MMI-M5	Sb MMI-M5	Ti MMI-M5
		Detection	0.1	10	10	20	10	0.5	0.5	5	1	3
		Limit	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
ANGLE LINE 5125E ANALYTICAL RESULTS												
569	5125	4500	21.4	810	4000	460	1190	22.9	18.7	5	2	1020
570	5128	4513	10.3	620	270	60	200	29.2	22.7	19	2	3170
571	5132	4524	14.3	590	470	100	80	7.9	4.3	11	1	1590
572	5136	4535	37	160	120	40	380	6.1	7.4	26	2	4080
573	5142	4550	46.3	440	30	60	770	3.6	7.2	79	5	13500
574	5146	4560	57.2	280	450	110	1760	6.2	7.1	245	14	33300
575	5150	4571	48.1	310	470	70	1830	8.7	13.1	105	9	17900
576	5155	4585	46.3	690	860	290	3330	8.9	12	260	36	51100
577	5159	4592	64	430	510	130	800	3.6	4	139	50	30900
578	5163	4606	31.4	600	220	40	120	21.2	24	17	1	1030
579	5168	4617	23.3	400	80	110	420	29.2	32	<5	2	3890
580	5173	4630	27.9	830	540	90	110	18.1	12.6	8	1	1510
581	5178	4641	20.8	2830	410	260	590	60.5	37.5	9	2	2570
ANGLE LINE 5175E ANALYTICAL RESULTS												
555	5175	4500	11	490	50	<20	<10	16.3	10.6	11	<1	267
556	5185	4523	27.6	140	60	30	360	5.6	8.9	45	5	8840
557	5190	4535	35.2	480	150	50	1470	52.9	59.4	136	12	13300
558	5194	4546	8.3	1230	230	<20	150	12.1	9.6	14	<1	963
559	5198	4559	12.7	740	570	20	210	7.9	2.4	16	<1	1140
560	5203	4568	11.4	660	260	110	180	4.7	1.6	7	<1	589
561	5206	4580	39.4	650	70	50	370	7	6	19	3	2580
562	5212	4595	16.3	710	230	60	230	4.7	1.5	19	2	2760
563	5216	4605	27.7	570	170	50	130	7.9	6	15	2	2000
564	5221	4618	55.2	300	280	80	340	7.5	7.1	38	6	7670
565	5225	4628	8.2	1340	240	120	60	7.2	1.7	11	<1	1210
566	5230	4640	8.6	1490	280	130	80	15.5	7.3	12	<1	1300
567	5238	4662	18.8	3430	740	3280	670	133	72.5	<5	<1	946
568	5248	4689	3.1	440	70	170	210	14.3	9.1	5	<1	5270
LINE 5425E ANALYTICAL RESULTS (including limited sampling on L5300E & L5400E)												
525	5425	4575	12.1	2310	170	170	70	12.7	6.2	8	1	878
526	5425	4600	30.7	1500	250	100	210	8.4	6.9	17	2	1160
527	5425	4612.5	40.3	550	70	80	300	10.9	9.3	25	2	910
528	5425	4625	43.3	1200	290	80	340	9.7	7.9	22	3	2890
529	5425	4637.5	33.1	2450	190	70	130	19.6	11.9	14	6	2310
530	5425	4650	58.5	1820	370	110	110	23.8	14.8	26	16	4200
531	5425	4662.5	23.2	1210	280	70	20	15.5	12	11	<1	613
532	5425	4680	64.4	1610	440	150	290	12.7	8.4	14	3	3390
533	5425	4687.5	18.2	2150	350	140	30	21.2	8.8	6	<1	605
534	5425	4700	21.3	1760	150	60	10	13.8	5.7	6	<1	1000
535	5425	4712.5	53.6	1820	150	100	220	12.5	7.8	12	2	1590
536	5425	4725	18.8	1090	170	100	50	23.9	17.8	30	<1	1470
537	5425	4740	6.3	3600	130	380	790	20.2	13.1	13	<1	251
538	5425	4750	1.3	720	180	230	670	26.2	21.9	<5	2	5680
539	5425	4775	5.7	3950	110	450	120	18.3	12.5	8	1	2700
521-D	5300	4400	1.7	420	150	50	120	11.2	6.7	5	<1	1910
520-D	5300	4425	13.9	860	30	40	150	11.3	7.7	10	2	2260
519-D	5300	4450	2.9	2410	60	110	50	32	14.1	<5	<1	319
500-D	5400	4475	5.7	550	80	90	120	10.3	6	<5	<1	1090
502-D	5400	4525	21	2240	20	110	150	13	7.4	7	4	1240
503-D	5400	4550	25.6	5220	90	90	320	50.6	40	26	13	6900
504-D	5400	4575	32.5	800	100	80	300	12.4	8.6	70	7	7520
LINE 5475E ANALYTICAL RESULTS												
505-D	5475	4575	15.4	1040	70	140	140	15	9.5	10	8	2510
506-D	5475	4600	36.1	830	1140	110	310	15.8	8.6	13	6	6120
507-D	5475	4625	39.9	590	170	100	240	18.5	12.9	31	3	3200
508-D	5475	4650	39.1	1980	310	250	220	20.5	13.7	17	6	5170
509-D	5475	4675	55.8	2040	5070	170	80	10.9	6	11	3	1230
510-D	5475	4700	64.8	630	40	80	220	11.6	8.3	<5	2	4760
511-D	5476	4700	66.6	510	90	120	420	8.9	6.3	<5	6	3230
512-D	5475	4725	41.5	1020	70	100	200	17.4	12.1	11	2	1130
513-D	5475	4750	1.8	1830	10	230	70	19	12.7	<5	2	1120
514-D	5475	4775	9.8	3830	210	530	250	31.1	16.1	9	2	2340
515-D	5475	4800	1.9	4170	380	880	60	31	13.8	<5	<1	424
516-D	5475	4825	0.7	1190	160	780	50	17.8	6	<5	1	489
517-D	5475	4850	0.6	1120	370	950	370	20.9	8.3	<5	1	815
518-D	5475	4875	0.7	630	470	270	60	24.2	14.3	<5	<1	194
LINE 5500E ANALYTICAL RESULTS												
554	5500	4575	9.3	1820	130	120	40	22.6	8.7	6	<1	891
553	5500	4587	4.8	2050	100	140	40	20.2	9.3	6	<1	1070
552	5500	4600	15.7	1680	320	100	40	19.4	11.5	5	<1	735
551	5500	4612.5	31.5	1520	120	160	140	28.8	13.5	<5	<1	703
550	5500	4625	54	1540	150	170	400	22.6	12.4	10	2	2530
549	5500	4637.5	20.5	1090	70	60	230	15	11.5	9	1	934
548	5500	4650	17.7	2060	340	140	90	54.4	27.7	<5	1	645
547	5500	4662.5	54.9	1710	170	130	430	22	15.3	10	2	2200
546	5500	4675	28	1540	110	<20	100	48.1	30.8	<5	1	161
545	5500	4687.5	13.1	1400	240	40	30	38.6	17.1	<5	<1	185
544	5500	4700	52.4	920	130	70	190	15.6	10.7	6	1	1530
543	5500	4712.5	19.9	1540	130	140	120	11.4	6	9	1	926
542	5500	4725	17.7	1920	110	180	50	19.9	12.7	9	<1	1360
541	5500	4750	22.8	4910	200	180	<10	36.8	22.9	13	<1	789
540	5500	4775	14.5	5750	350	240	<10	55.5	29.4	10	<1	693

SE MEADOW TARGET AREA

Samples 6041 to 6054 (L5075E) | Samples 600D to 617D (L5100E) | Samples 6028 to 6040 (L5125E)

SAMPLE NO.	LINE (E)	STN (N)	Au MMI-M5	Cu MMI-M5	Pb MMI-M5	Zn MMI-M5	Ba MMI-M5	Er MMI-M5	Eu MMI-M5	Mo MMI-M5	Sb MMI-M5	Ti MMI-M5
		Detection	0.1	10	10	20	10	0.5	0.5	5	1	3
		Limit	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
LINE 5075E ANALYTICAL RESULTS												
6043	5075	3887.5	<0.1	6740	20	2930	200	109	20.8	<5	<1	515
6042	5075	3912.5	0.4	8990	70	790	110	126	37.6	<5	<1	1580
6041	5075	3937.5	0.4	6070	30	360	110	165	76.1	<5	<1	251
6044	5075	3962.5	<0.1	460	<10	830	50	8.9	2.6	<5	<1	90
6045	5075	3987.5	0.6	520	110	250	100	10.2	6.2	<5	<1	417
6046	5075	4012.5	0.3	640	30	200	40	7.5	1.6	<5	<1	302
6047	5075	4037.5	0.2	590	<10	250	50	8.5	3	<5	<1	443
6048	5075	4062.5	23.8	2590	2000	210	40	11.8	7	<5	<1	225
6049	5075	4087.5	1.3	730	270	250	70	8.1	4.2	<5	<1	394
6050	5075	4112.5	0.1	510	<10	260	40	8.1	1.9	<5	<1	173
6051	5075	4137.5	0.4	600	20	240	70	8.4	5.2	<5	<1	1180
6052	5075	4162.5	0.2	330	100	210	70	7.1	2.1	<5	<1	381
6053	5075	4187.5	0.8	1440	40	230	130	15.2	8.2	<5	<1	1550
6054	5075	4212.5	0.2	930	20	550	100	15.6	4.8	<5	<1	317
LINE 5100E ANALYTICAL RESULTS												
617-D	5100	3950	0.2	460	50	720	110	12.4	4.3	<5	<1	999
616-D	5100	3975	5.2	8940	50	290	180	67.6	25.9	7	<1	779
615-D	5100	4000	0.7	8230	60	2300	180	50.2	10.5	5	<1	840
614-D	5100	4025	1.2	5560	150	2010	470	56.5	16.4	<5	<1	2580
613-D	5100	4050	2.5	16200	180	920	100	182	95.2	<5	<1	32
612-D	5100	4075	0.8	590	100	160	90	9.6	2.8	<5	<1	1630
610-D	5100	4100	1	1640	60	150	80	29.4	12.3	<5	<1	1050
611-D	5101	4100	1.8	2930	30	200	70	20.4	8.8	<5	<1	1910
609-D	5100	4125	0.4	1370	20	320	70	17.2	5	<5	<1	401
608-D	5100	4150	5.9	810	310	220	290	9.4	4.2	<5	<1	1240
607-D	5100	4175	2.9	980	480	220	170	15.2	4.8	<5	<1	549
606-D	5100	4200	1.1	980	70	710	220	12.1	5.6	<5	<1	804
605-D	5100	4225	0.1	630	10	300	120	10.6	5.1	<5	<1	1040
604-D	5100	4250	0.2	720	20	390	110	15.1	6.1	<5	<1	1130
603-D	5100	4275	0.2	950	30	1320	160	22.4	10	<5	<1	789
602-D	5100	4300	0.2	610	10	460	110	24.5	8.9	<5	<1	350
601-D	5100	4325	7.6	730	80	240	350	19.4	13.6	<5	<1	1780
600-D	5100	4350	2.2	1550	10	150	130	45.4	22	<5	<1	141
LINE 5125E ANALYTICAL RESULTS												
6040	5125	3925	<0.1	460	10	2250	170	20.3	9.1	<5	<1	88
6039	5125	3950	<0.1	1210	20	440	70	12.5	5.9	<5	<1	407
6038	5125	3975	0.2	780	20	840	60	12.4	7	<5	<1	522
6037	5125	4000	0.7	1960	90	1000	110	20.8	8.9	8	<1	516
6036	5125	4025	1.7	10100	40	770	60	40	12.4	<5	<1	105
6035	5125	4050	0.2	560	<10	260	60	9.8	3.1	<5	<1	134
6034	5125	4075	0.4	540	240	230	50	8.2	2.4	<5	<1	104
6028	5125	4100	0.2	1110	80	340	110	5.6	1.3	<5	<1	212
6029	5125	4125	0.2	480	30	200	50	10.3	5.1	<5	<1	841
6030	5125	4150	0.2	630	10	270	50	8.2	3.9	<5	<1	1040
6031	5125	4175	2.5	670	180	230	100	7.5	3.5	<5	<1	601
6032	5125	4200	0.8	540	90	320	190	9.3	4.5	<5	<1	590
6033	5125	4225	0.4	830	10	510	130	9.9	6.6	<5	<1	866

SW MEADOW TARGET AREA

Samples 6000 to 6007 (L4800E) | Samples 6008 to 6017 (L4850N) | Samples 6018 to 6027 (L4900E)

SAMPLE NO.	Line No. (E)	Station (N)	Au MMI-M5	Cu MMI-M5	Pb MMI-M5	Zn MMI-M5	Ba MMI-M5	Er MMI-M5	Eu MMI-M5	Mo MMI-M5	Sb MMI-M5	Ti MMI-M5
		Detection	0.1	10	10	20	10	0.5	0.5	5	1	3
		Limit	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
LINE 4800E ANALYTICAL RESULTS												
6000	4800	4050	0.2	240	30	160	60	9.2	3	<5	<1	821
6001	4800	4075	0.8	400	120	140	130	10.4	4.2	<5	<1	1290
6002	4800	4100	1.3	400	170	110	170	9	3.7	<5	<1	350
6003	4800	4112.5	1.5	350	90	80	220	9.7	5.4	<5	<1	856
6004	4800	4125	0.4	420	10	110	70	9.2	3.3	<5	<1	815
6005	4800	4137.5	3.3	530	90	100	220	10.8	7.3	<5	<1	2490
6006	4800	4150	18.4	330	50	300	2760	99.4	58.2	10	1	5720
6007	4800	4162.5	9.4	420	170	60	250	22	18.7	8	<1	1180
LINE 4850E ANALYTICAL RESULTS												
6008	4850	4050	0.2	280	90	290	210	9.9	3.9	<5	<1	603
6009	4850	4075	0.1	250	20	170	180	8	2.2	<5	<1	229
6010	4850	4100	1.6	420	190	180	170	7.8	3.3	<5	<1	367
6011	4850	4112.5	3.4	480	170	100	300	9.4	5.6	<5	<1	1110
6012	4850	4125	0.9	470	30	110	130	7.1	3.6	<5	<1	779
6013	4850	4137.5	<0.1	400	<10	120	80	10.7	3.8	<5	<1	1030
6014	4850	4150	0.3	350	40	140	80	6.8	2.1	<5	<1	193
6015	4850	4162.5	0.2	610	10	140	40	9.7	3.6	<5	<1	784
6016	4850	4175	0.4	620	30	170	40	7.9	2.8	<5	<1	458
6017	4850	4187.5	0.1	600	<10	130	50	7.6	2.9	<5	<1	2510
LINE 4900E ANALYTICAL RESULTS												
6018	4900E	4025	0.3	210	160	240	80	6.5	2	<5	<1	298
6019	4900E	4050	<0.1	190	<10	350	50	7.2	2.5	<5	<1	139
6020	4900E	4075	0.8	250	60	570	120	8.2	6.2	<5	<1	375
6021	4900E	4100	2.2	990	120	2140	740	33.9	14.3	<5	<1	128
6022	4900E	4125	0.7	290	60	150	60	9.7	1.8	<5	<1	133
6023	4900E	4150	<0.1	460	<10	190	60	6.2	2.3	<5	<1	[illegible]
6024	4900E	4175	2.4	400	70	140	200	7.3	5.6	<5	<1	1030
6025	4900E	4200	<0.1	450	<10	160	50	10.8	5.1	<5	<1	259
6026	4900E	4225	0.1	590	<10	190	30	8.2	3.1	<5	<1	298
6027	4900E	4250	0.1	530	<10	130	40	17.4	8.2	<5	<1	165

LEGEND

Fault

MMI-M Sample Location
2 Orientation Lines A, B, C, D depths,
Subsequent Samples @ 25-40 cm depth

6005 Sample Number

MAP 7

STEWART PROPERTY
DELTAIC GRID

2006 MMI-M SOIL SAMPLE SURVEY
SAMPLE NUMBERS

Scale 1:2 500

DAVID E. MOLLOY PRACTISING MEMBER 0317 — PROFESSIONAL GEOSCIENTISTS ONTARIO

Geofine Exploration Consultants Ltd. January 2007

APPENDIX 2:

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

28,832

DR. FEDIKOW INTERPRETATION OF MMI-M SURVEY RESULTS

DELTAIC GRID, STEWART PROPERTY

Results Of Mobile Metal Ions Process (MMI-M) Soil Geochemical Surveys on The Stewart Property (Deltaic Grid), Stewart Area, B.C.

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EXECUTIVE SUMMARY

The MMI-M soil geochemical surveys undertaken on the Deltaic grid, Stewart property have successfully defined the high-contrast residence site for a wide range of base and precious metals. This location occurs between 25 and 40 cm below the point at which soil formation is initiated in the Stewart landscape environment. Based on this sampling protocol a very large, multi-sample and multi-line Au anomaly has been identified in the northern portion of the survey area. The anomaly trends east west and encapsulates coincident Ag and As anomalies. It is characterized by a multi-element suite of Mo-Bi-Sb-W-Tl-Nb-Ti that occurs on the southwestern flank of the Au anomaly. The Au anomaly is open to the east and west and is coincident with a large total rare earth element, Zr, U and Th anomaly that is interpreted to reflect a change in the bulk chemical composition of the Au-anomaly host rocks. The Au and associated multi-element anomaly is interpreted to be representative of the geochemical signature of a precious metal-dominated epithermal mineralizing system. The multi-element Mo-Bi-Sb-W-Tl-Nb-Ti anomaly, and in particular the Ti-Nb components, associated with the Au anomaly appears to be blossoming to the west and may be representative of an oxide halo developed in association with a deep source region consisting of a felsic dome or a porphyry copper type intrusive complex.

The southern survey area is marked by a Zn-Cd-Cu-Ni +/- Co anomaly that is reminiscent of the geochemical signature of base metal massive sulphide type mineralization. This anomaly may also represent a base metal (Zn) halo

developed in association with high-grade Au-Cu mineralization, a feature recognized in previous studies in the Stewart Camp.

PREAMBLE

The exploitation of mineral commodities in the near-surface geological environment has become increasingly difficult due to the exhaustion of mineralization exposed at surface and the mantling of prospective bedrock by glacially transported till and its derivatives. Thick glaciofluvial and glaciolacustrine sediments topped by organic deposits make mineral exploration in these terrains challenging. For this reason a plethora of innovative exploration geochemical selective and partial digestions, coupled with state-of-the-art instrumentation capable of measuring concentrations in the parts per billion (ppb) and sub-parts per billion range, have been developed. These techniques offer the explorationist tools to "see through" overburden and derive useful mineral exploration data for integration with geology and geophysics and ultimately for drill-testing multivariate anomalies. Disrupted overburden, such as that observed with logging practices (scarification), tends to complicate MMI responses although modified sampling practices can be adopted to rectify this disturbed environment. Areas affected by landslide are also complicating factors but can also be assessed with MMI Technology by modified sampling procedures.

The proprietary Mobile Metal Ions Process (MMI) soil geochemical technique has been utilized on a wide range of commodity types from base and precious metals to diamonds worldwide. The Process is based upon proprietary partial extraction techniques, specific combinations of ligands to keep metals in solution, and relies on strict adherence to sampling protocols usually established during an orientation program. Such an orientation program was implemented by Geofine Exploration Consultants Ltd. Geochemical data resulting from MMI analysis of improperly collected soils cannot be ameliorated with univariate and/or multivariate statistical and graphical solutions.

The recognition of anomalies in geochemical data has progressed from simple visual inspection in small data sets to multivariate, parametric and non-parametric or robust statistical methods for large datasets usually extracted from regional geochemical surveys. Derived parameters from these statistical exercises, such as factor scores or discriminant functions, have been successfully utilized in reducing a large number of potentially useful variables to a select few variables that identify and localize anomalous geochemical signatures. These statistical approaches have been required to manipulate accurate and precise, low-cost, multi-element geochemical data.

The MMI technology uses a different approach to exploration geochemistry by analyzing soils for a select few commodity elements upon which to base property evaluations. Having stated this, the MMI-M multi-element suite that was utilized to analyze inorganic soils from the Stewart property survey comprises analyses for 45 elements. These consist of a multi-element suite that reports ppb and sub-ppb analyses for base and precious metals, pathfinder elements for these commodities, as well as elements useful for mapping bedrock geology obscured by glacial overburden and its derivatives. A small number of elements in this package report in the ppm concentration range (Al, Ca, Mg, Fe). The large number of elements in the database provides an opportunity to assess an area of interest for a wide range of metallic mineral deposits with only minor drawbacks in terms of lower limits of determination. The specific details of this assessment are described below.

TERMS OF REFERENCE

The author of this report was contracted by Mr. David Molloy of Geofine Exploration Consultants Ltd. ("Geofine") to undertake the interpretation of Mobile Metal Ions soil geochemical survey data from their Stewart property (Deltaic Grid) in the Stewart B.C. area. The survey was undertaken to assess geophysical anomalies and alteration zones observed in outcrop on the property for MMI geochemical signatures related to structurally controlled precious and base metal mineralization in unknown overburden scenarios and to possibly deduce the nature of source regions for these metals. Soil samples were collected according to protocols established in an orientation survey in the area and described in this report. An interpretation of results obtained to date with recommendations for follow-up exploration is presented in this report.

PURPOSE OF THE SURVEY

The Stewart/ MMI-M exploration survey undertaken by Geofine was designed to assess the survey area for high-contrast geochemical signatures associated with historic geophysical (induced polarization "IP") anomalies, mapped geological structures and mineralization-related alteration zones expressed in outcrop. The overburden cover has hindered exploration and the MMI survey is an attempt to provide a tool for focused exploration. The depth of high-contrast residence sites of gold and associated metals in the soil profile was determined by the current study.

SAMPLE COLLECTION AND ANALYSIS

Sample collection techniques for this survey were determined by an orientation survey undertaken by Geofine and Mount Morgan Resources Ltd. Samples were collected according to protocols developed for the landscape environment that exists at Stewart and surrounding areas. The results of this orientation survey are included in this report.

In MMI surveys there are some general approaches that are used to guide sample collection including preferred depths of sampling and these are described briefly here. Additional information is also available from the MMI website (www.mmigeochem.com).

Soil samples, each weighing approximately 250 grams, are usually collected at variable sample spacing along single transects over known mineralized zones or extrapolated trends of these zones. Generally, 25-m stations in precious metal exploration and up to 50 m in the case of base metals are the routine spacing. Sample spacing should be established on the basis of a "best-estimate" of the likely target being sought with estimates from historical data or exploration results from nearby programs. Initially, samples are often collected at a closer spacing until it is determined that a larger spacing is appropriate to the target being sought. In the Stewart/Deltaic orientation survey, soils were sampled from each pit at depths of 0-10 cm, 10-20 cm, 20-30 cm and 30-40 cm below the "zero datum" or the point at which soil formation is initiated in this environment. Each sample collected represents a continuous 10 cm long plug of sediment or a continuous vertical channel of sediment. Sample sites were established at 25-m stations along a single transect in the vicinity of a known trend of alteration and mineralization. This site was established by Geofine based on prior knowledge acquired from geological mapping, prospecting and results of earlier exploration.

Samples are bagged on site without preparation and shipped to SGS Laboratories (Toronto, Ont.) for MMI-M analysis. The MMI-M is a neutral extraction with analytical finish by inductively coupled plasma-mass spectrometry (ICP-MS).

DATA TREATMENT AND PRESENTATION

In exploration surveys where sampling and analytical protocols have been determined by an orientation survey, analytical data is examined visually for analyses less than the lower limit of detection (<LLD) for ICP-MS. Data <LLD are replaced with a value ½ of the LLD for statistical calculations and graphical representation. For most exploration surveys, MMI data is plotted as response ratios. For the calculation of response ratios the 25th percentile is determined using the software program SYSTAT (V10) and the arithmetic mean of the lower quartile used to normalize all analyses. The normalized data represent "response ratios" which are then utilized in subsequent plots. Zeros resulting from this calculation are replaced with "1". Response ratios are a simple way to compare MMI data collected from different grids, areas and environments from year to year. This normalized approach also significantly removes or "smoothes" analytical variability due to inconsistent dissolution or instrument instability. For the Stewart/Deltaic exploration survey the interpretation is based on response ratios. The orientation survey interpretation is based upon concentration (parts per billion or "ppb").

Analytical data as received from SGS Mineral Services for both the orientation and exploration surveys is presented in Appendices 1O ("Orientation") and 1E ("Exploration"), respectively. Analytical data from analytical duplicates, replicate analyses of standard MMI reference materials and analytical blanks are given in Appendices 2O and 2E. The 25th percentiles and backgrounds used to calculate only four replicates. This is particularly true for the commodity elements summarized below.

The analytical blanks for orientation survey blanks all report <LLD indicating the absence of laboratory-based contamination.

Ranges Of Replicate Analyses For MMISRM14, Stewart Orientation Survey (n=4)

ELEMENT	MMI-M Concentration Range (ppb)	Recommended Values (ppb)
Au	44.5-47.8	44.1
Ag	19-21	19
Cu	800-860	765
Mo	35-40	37
Pb	120-140	100
Zn	340-390	345

Data quality for exploration survey samples has virtually the same characteristics as the orientation survey data. Some variability in the analyses for the rare earth elements, Cu and Pb is noted for duplicate sample pair 6036, although the other duplicate pairs do not exhibit this variability. As for the orientation survey, excellent reproducibility and accuracy for the commodity elements is observed for the MMI-M suite of elements. These results are summarized below.

Ranges Of Replicate Analyses For MMISRM14, Stewart Exploration Survey (n=4)

ELEMENT	MMI-M Concentration Range (ppb)	Recommended Values (ppb)
Au	39.0-44.5	44.1
Ag	17-20	19
Cu	650-730	765
Mo	27-33	37
Pb	120-160	100
Zn	300-410	345

Analytical blanks for the exploration survey analyses all report <LLD with the exception of a single analysis of 0.1 ppb Au that is at the LLD for Au.

Data Description

Both the Stewart orientation and exploration survey MMI-M datasets are marked by a similar number of elements that are at or below the LLD. These include As, Bi, Ca, Cd, Cr, Li, Mg, Mo, Pd, Sb, Sn, Sr, Ta, Te, Tl and W. The similarity between the two datasets is not unexpected given the samples were all collected in the same manner and from the same survey area. This demonstrates the consistency of the geochemical flux for any given landscape environment. Some of these elements are typically less mobile than Cu, Zn or Ag and their presence in measurable quantities in a small number of samples is testament to this. The high percentage of samples with Bi, Cd, Sn, W and Pd contents <LLD in this survey is not surprising given their very low mobility in the surficial/secondary environment. In this regard, any MMI-M analysis for Pd that is >LLD should be reviewed with care for its overall significance in the survey. An MMI analysis for Pd above the LLD should be field checked for possible association with platinum group metal geological environments. It is worth noting that the diagnostic signal of a significantly mineralized zone will generally produce moderate- to high-contrast apical responses over the target; however, away from the mineralization at "background" locations there may be no trace of the presence of a specific metal in the analysis. This is another consideration when viewing **MMI** data-the presence of significant numbers of elements <LLD is not necessarily cause for concern or that the **MMI** extraction is not working or has been "buffered" by soil composition. The **MMI** process is designed to only extract metals that are moving from source to surface and characteristically report metal contents in low ppb concentrations.

Method of Interpretation

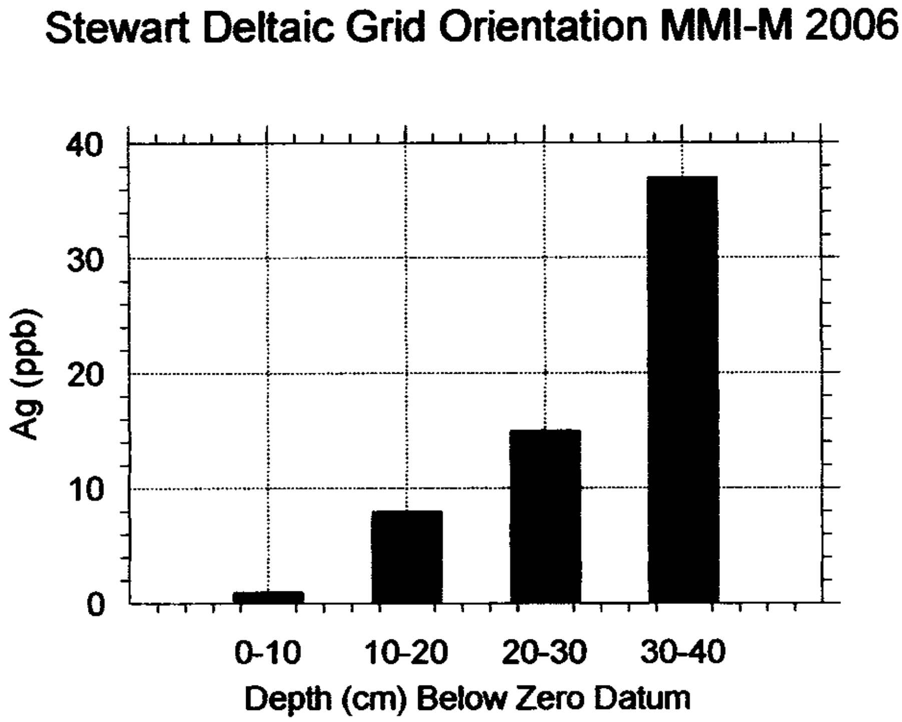
Multivariate statistical and graphical techniques were not utilized for the interpretation of **MMI** data in the Stewart survey interpretation. A simple visual approach was used. The **MMI-M** data was examined for anomalous spikes or groups of elevated responses for single and/or coincident elements. Element groupings such as Au-Ag, Au-Ag-Pd, Zn-Cd, Ni-Co, Ni-Co-Ag and Ni-Cu all have relevance to underlying geological conditions and their contained mineralization and are used to assist the rankings of any particular **MMI** response in terms of follow-up.

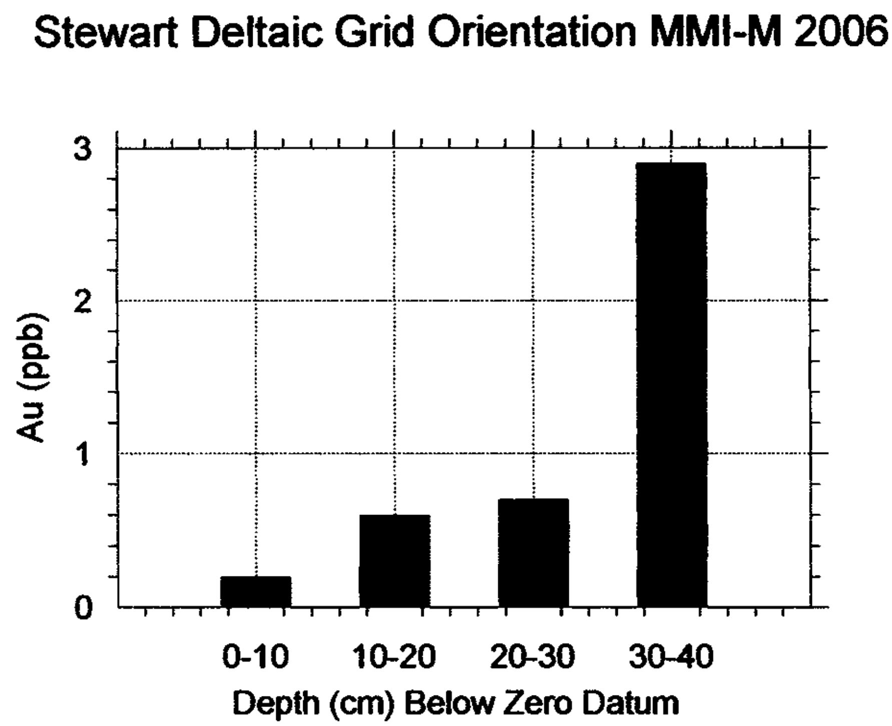
When concentration-only data is reviewed unique "spikes" or anomalous responses are assessed. When response ratios are used there are general guidelines brought to bear on the interpretation. Generally, a response ratio of >20 or 20 times background is an initial indication of a low-contrast anomalous response although this "threshold" is not universal. A response of between 20 and 50 is used as a moderate response with RR>50 being referred to as high contrast. Often, pattern recognition in the interpretation of geochemical data is paramount.

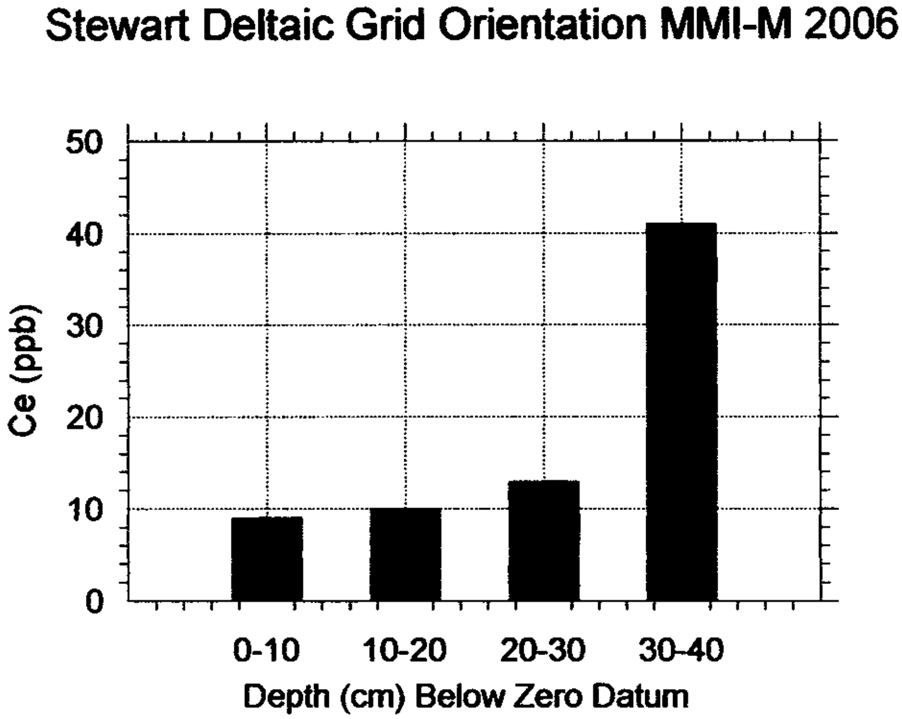
Orientation Survey

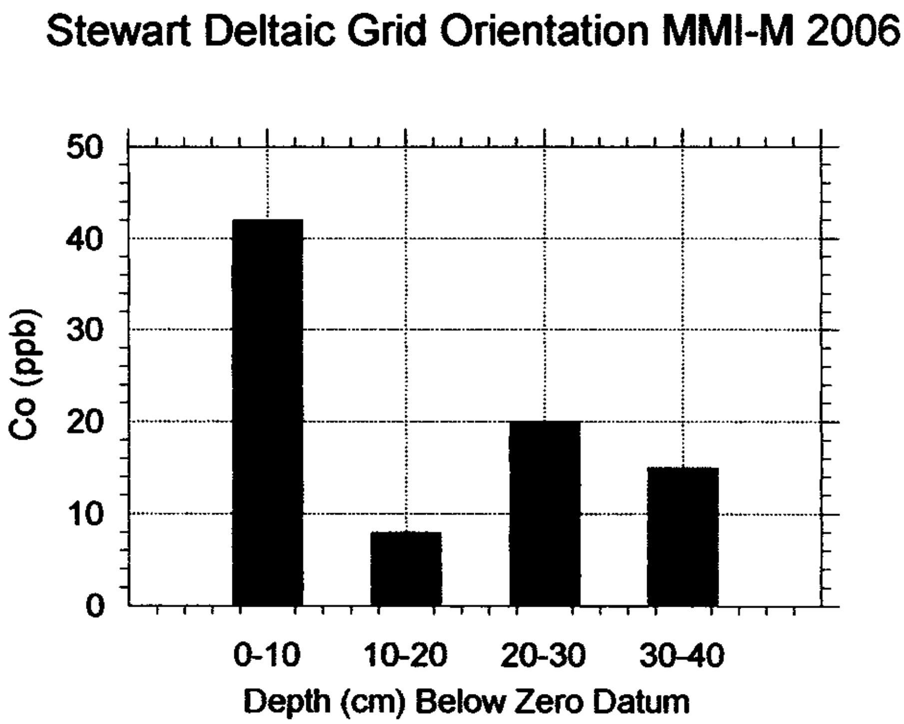
The results of the Stewart orientation survey are based upon a review of vertical partitioning of metals within the upper 40 cm of the soil profile. The variation in concentration of commodity and related elements for each individual 10 cm soil sample is depicted in relation to samples collected from deeper levels in the profile. Results are plotted in Figure 1. The site selected for graphical representation of vertical differentiation of metals was sample 607 A through D collected from line 51+00E, 41+75N.

Figure 1. Stewart Deltaic grid vertical profiling, MMI-M, 2006.

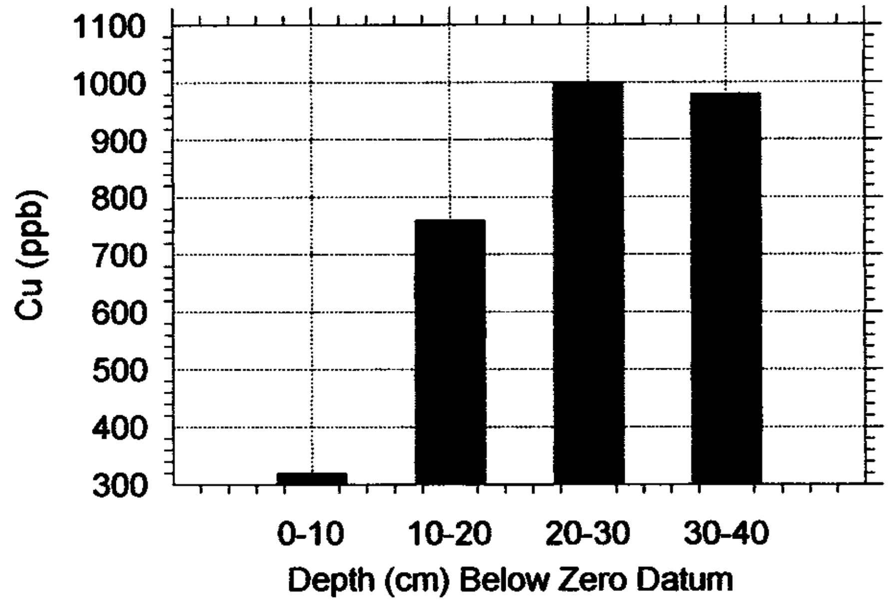




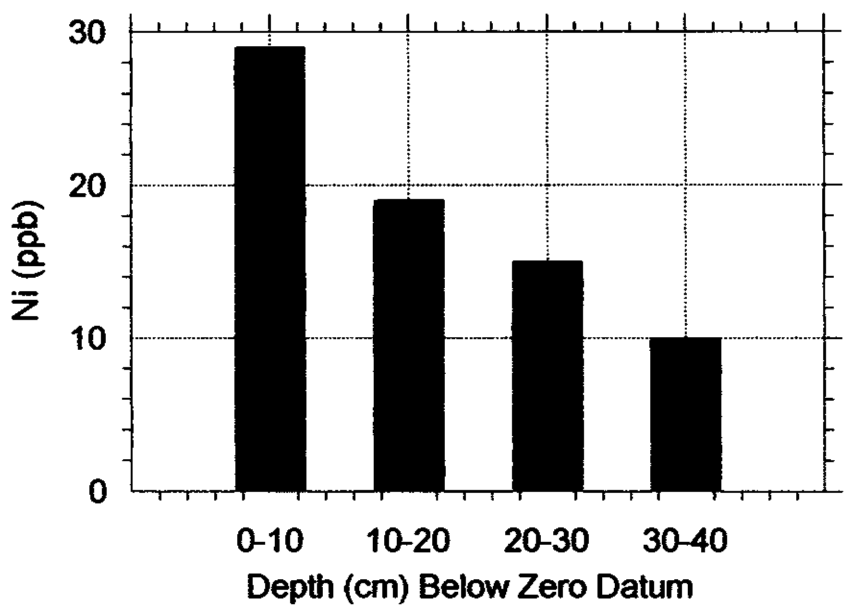

Stewart Deltaic Grid Orientation MMI-M 2006
Ce (ppb)
50
40
30
20
10
0
0-10
10-20
20-30
30-40
Depth (cm) Below Zero Datum


Stewart Deltaic Grid Orientation MMI-M 2006
Co (ppb)
50
40
30
20
10
0
0-10
10-20
20-30
30-40
Depth (cm) Below Zero Datum

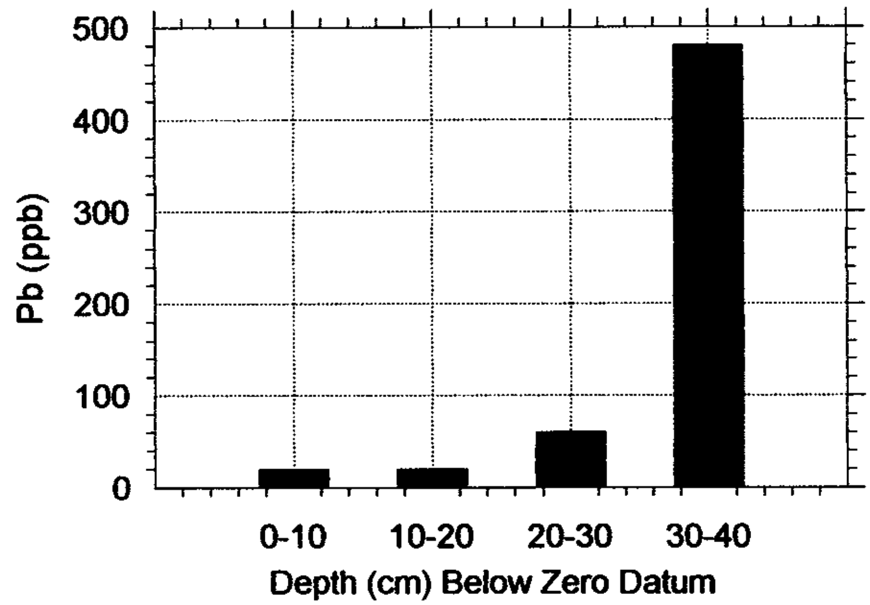
Stewart Deltaic Grid Orientation MMI-M 2006



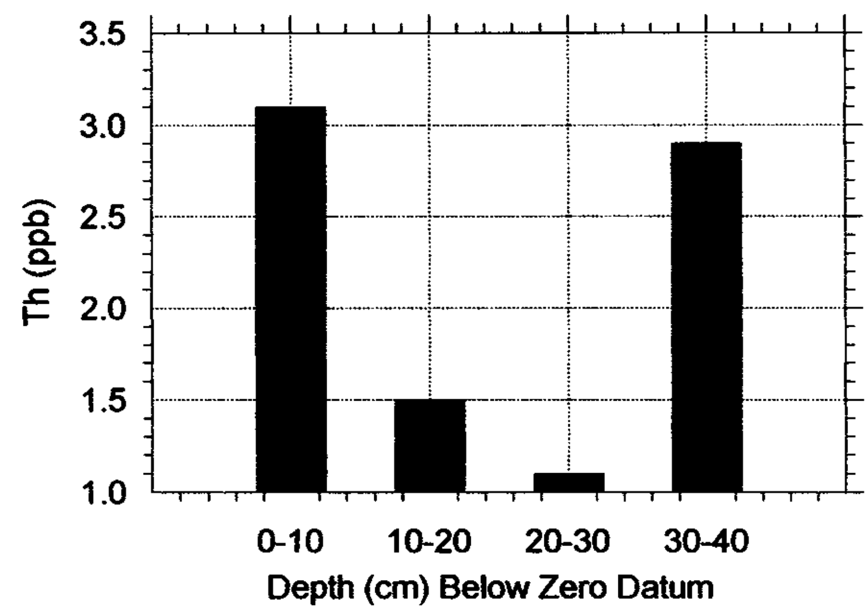
Stewart Deltaic Grid Orientation MMI-M 2006



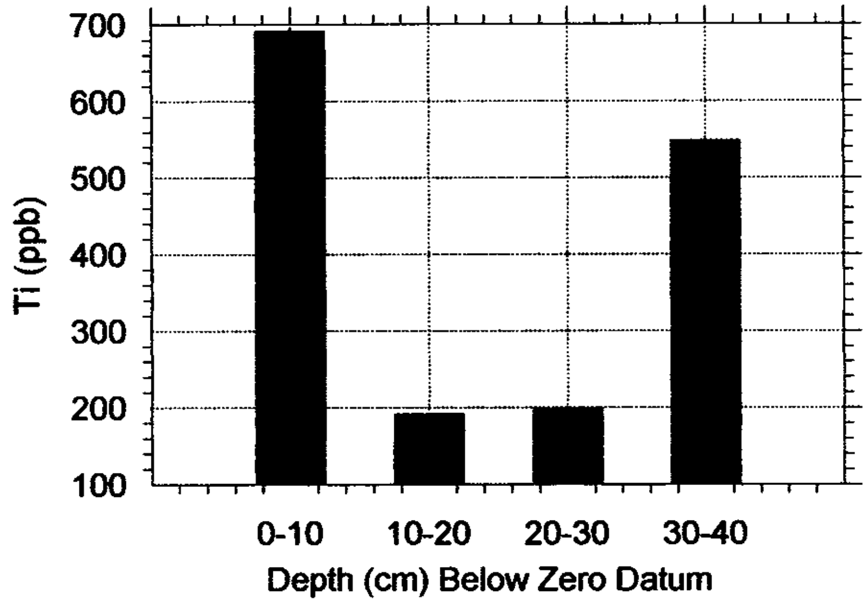
Stewart Deltaic Grid Orientation MMI-M 2006



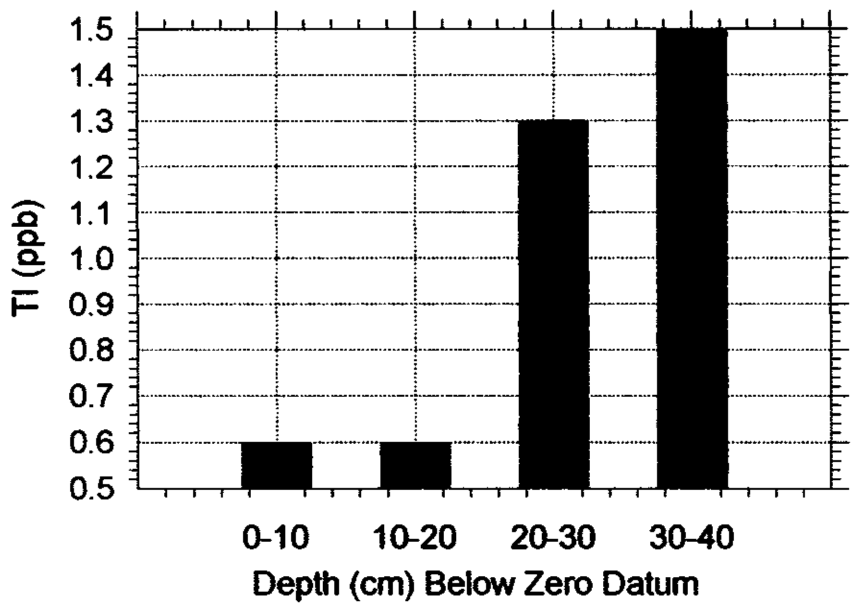
Stewart Deltaic Grid Orientation MMI-M 2006

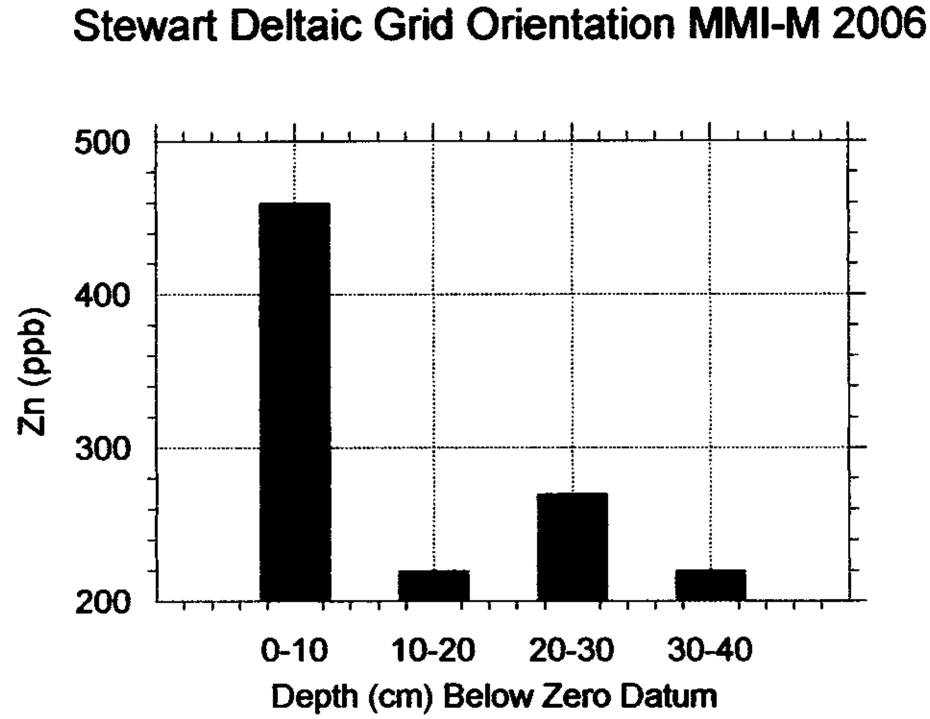


Stewart Deltaic Grid Orientation MMI-M 2006



Stewart Deltaic Grid Orientation MMI-M 2006





Examination of vertical bar charts indicates variable enrichments and depletions of certain elements with depth, not all elements are behaving in the same manner within the upper 40 cm of the soil profile. Progressive increases in concentration are noted for Ag, Au, Ce (and other REE), Cu, Pb and Tl with increasing depth in the profile. Most of these elements have their maximum concentrations in the 30-40 cm sample. The elements Co, Ni and Zn have the reverse patterns with progressive decreases in concentration with increasing depth and maximum contents in the upper 10 cm of soil. The elements Th and Ti are unique in terms of observed patterns in that they exhibit maximum concentrations in the upper 10 cm as well as the lowermost 10 cm sample (i.e., 30-40 cm). There is high-contrast between the geochemical responses at these two levels of enrichment versus the intervening sample positions at 10-20 cm and 20-30 cm.

The preferred sample position in the upper 40 cm of the soil profile for the precious metals Au and Ag, the REE and base metals Cu, Pb and Tl in the Stewart area is between 30 and 40 cm beneath the zero datum. The observation that significant responses also occur at 20-30 cm suggests this interval could also be a valuable sample position in situations where shallow overburden is encountered. As such the exploration phase of the Stewart survey was undertaken on the basis of sample collection between 25-40 cm with analysis by MMI-M. For the purposes of interpretation the soil sample collected from the 30-40 cm depth as part of the orientation survey was included with the Exploration survey samples.

Exploration Survey

A useful method of data reduction in multi-element datasets with the aim of identifying geologically plausible inter-element correlations and therefore useful pathfinder elements for concealed mineralized zones is a correlation coefficient matrix. The use of a Spearman-Rank matrix is preferred when data is not normally distributed and data transformation is not preferred.

Spearman-Rank Correlation Coefficient Matrix

The MMI-M multi-element geochemical data derived from the Stewart MMI-M exploration survey was assessed with a Spearman-Rank correlation coefficient matrix. This assessment documents significantly correlated element pairs and allows the recognition of anomalous geochemical responses related to mineralization and bedrock lithologies. In addition, the approach is an indirect method of assessing analytical quality. The entire Spearman-Rank matrix is presented in Table 2 and the distilled version of significantly inter-correlated MMI-M elements is given in Table 1.

Examination of Table 1 indicates the Stewart dataset is characterized by significant base and precious metal sulphide mineral-related inter-correlations however the bulk of the significant correlations are associated with Au and Ag. The sulphide mineral assemblage suggested by the Spearman-Rank correlations between MMI-M element suites includes correlations for the elements Au, Ag, Pb, Tl, As and Mo and fewer correlations for Zn, Cu, Cd and Co. It is of particular interest that the significantly elevated correlations between Au and Ag with Ce, W and lesser Ta are suggestive of an association of the precious metals with an intrusive source region. Both Cu-Mo and Cu-W correlations in the dataset are low.

Table 1. Significant inter-element correlations, Stewart Deltaic grid, MMI-M survey.

ELEMENT COUPLING	"r"	ELEMENT COUPLING	"r"
Au-Bi	0.432	Pb-Rb	0.662
Au-Ce	0.704	Pb-Tl	0.58
Au-Fe	0.688	Cd-Zn	0.726
Au-Mo	0.779	Co-Cu	0.532
Au-Nb	0.709		
Au-Pb	0.643	Mo-Nb	0.734
Au-Rb	0.8	Mo-Pb	0.479
Au-Sb	0.738	Mo-Rb	0.595
Au-Ta	0.46	Mo-Sb	0.708
Au-Th	0.717	Mo-Th	0.704
Au-Ti	0.631	Mo-Ti	0.648
Au-Tl	0.707	Mo-Tl	0.677
Au-W	0.658		
		Cu-Mo	0.144
Ag-As	0.585	Cu-W	0.003
Ag-Au	0.86		
Ag-Ce	0.633		
Ag-Fe	0.512		
Ag-Mo	0.683		
Ag-Nb	0.538		
Ag-Pb	0.558		
Ag-Rb	0.648		
Ag-Sb	0.651		
Ag-Th	0.568		
Ag-Ti	0.501		
Ag-Tl	0.65		
Ag-W	0.529		

The lack of association of Au and Ag with Cu and Zn is indicative of an evolved mineralizing system that has deposited precious metals without significant base metals. This feature may also be the indication of metal zonation within the survey area. Such zonation could imply the presence of a precious metal to base metal epithermal system or a precious metal dominated system rooted in an intrusive system at depth. The pyrite association with Cu is indicated by the elevated Co-Cu correlation (0.532) although this association is lacking with Au and Ag. Gold and Ag are strongly correlated in the dataset (0.860) and a very high correlation coefficient "r" for the Cd-Zn doublet (0.726) is indicative of the geochemical signature of bedrock-hosted sphalerite mineralization.

In addition to commodity elements a significant correlation exists for the REE. The REE correlation indicates an indirect measure of the quality of the analytical data owing to similarities in nuclear characteristics of the REE. The REE should be highly inter-correlated if the quality of the analytical work is good. A strong correlation is also noted between the REE and Au and Ag. This association is suggestive of a possible genetic link between precious metal mineralization and a magmatic source region. The Stewart dataset is considered to be excellent in terms of accuracy and reproducibility and in its ability to be applied to anomaly definition.

AREAL DISTRIBUTION OF ANOMALOUS RESPONSES IN THE Stewart MMI-M SURVEY AREA

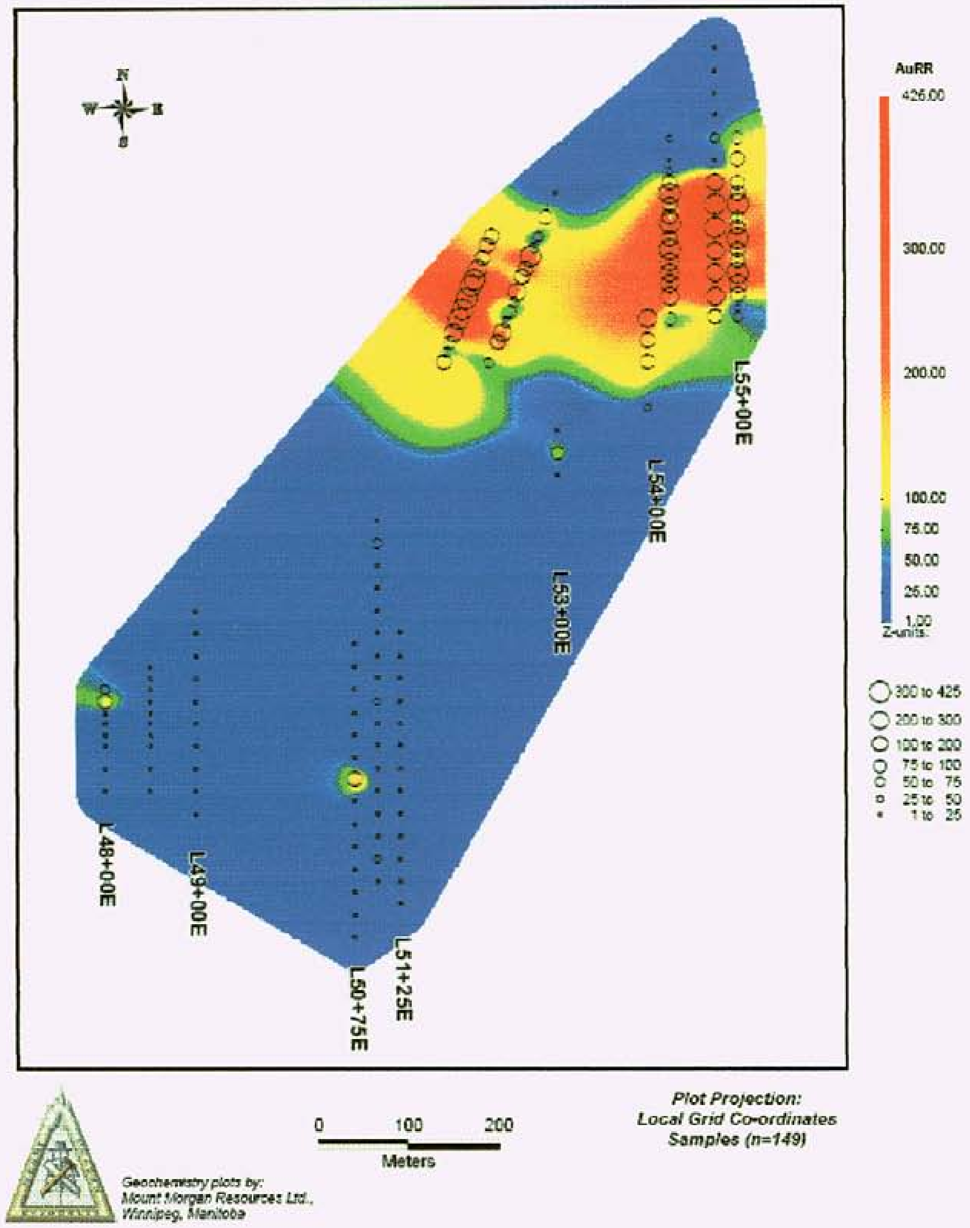
Vertical Mapper Bubble Plots

The variation in concentration and the resulting morphologies of the MMI-M responses from the Stewart deltaic grid survey area are described in the following section.

Precious and Related Metals (Au, Ag and As)

AuRR: An extremely high-contrast Au anomaly exists across all sampling transects in the northern survey area. Response ratios of up to 425 times background produce an anomaly that has a length of 350 m in an east-west direction and a width of approximately 200 m. This linear anomaly overlaps with both the Ag and As responses and is interpreted to be open to the east and the west. The anomaly is depicted in the figure below.

GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - AuRR



AgRR: Low- to moderate-contrast (to RR22) Ag responses occur in the northeast corner of the survey area along line 55+00E with the highest of these responses restricted to the northern portions of lines 55+00E and 54+75E. There is a suggestion of anomaly continuity to the west although these responses are low-contrast RR of approximately 10. The southern survey area is devoid of significant responses.

AsRR: Low- to moderate-contrast responses of <25RR typify the northern survey area including the highest AsRR of 56. There is no correspondence between As and Ag responses.

Base and Related Metal Responses (Cu, Pb, Bi, Mo, Sb, W, Tl, Zn, Cd, Ni, and Co)

CuRR: Significantly elevated, moderate-contrast CuRR (to 45RR) occur on lines 51+25E and 50+75E in the southern survey area. These responses are multi-sample and are interpreted to be open to the south, east and west. A linear east west but low-contrast CuRR (<25RR) anomaly occurs in the northern survey area between lines 54+00E and 55+00E.

PbRR: Lead responses are erratic, single-sample but high-contrast (to 455RR) anomalies that occur in several locations within the northern and southern survey areas. There is no trend to the distribution of these anomalous responses.

BiRR: Bismuth responses are limited to 3 or 4 adjacent sample sites on one sampling transect in the northern survey area. These responses do not coincide with either Pb or Zn anomalies but do occur on the southwestern edge of a major Au anomaly described under "Precious and Related Metals".

MoRR: Very high-contrast MoRR to 104 times background coincide with a 3-4-sample BiRR anomaly in the northern survey area. This Mo-Bi response occurs at the southwestern edge of a very large and extensive high-contrast Au anomaly in this area. Elsewhere on the grid the MoRR are at background response levels (RR=1).

SbRR: In a similar fashion as BiRR and MoRR, the SbRR define a moderate- to high-contrast, multi-sample coincident anomaly in the northern survey area. This response occurs at the southwestern edge of the major Au anomaly described above.

WRR: High-contrast WRR responses (to 90RR) are coincident with BiRR-MoRR-SbRR responses on the southwestern edge of the major Au anomaly described above. This multi-element anomaly is open to the west.

TlRR: The Tl responses in the survey area are low-contrast (to 13RR) and responses >background are restricted to the northern survey area. In this area they are in coincidence with a Bi-Mo-Sb-W anomaly that occurs on the southwestern edge of the major Au anomaly described above.

ZnRR: Moderate- to high-contrast Zn responses are present in the southern survey area on lines 51+25E and 50+75E and are interpreted to be open to the south, east and west. This response is similar and essentially coincident with a CuRR anomaly in the same area. Elsewhere in the survey area the ZnRR are low-contrast and tend to be erratic, single sample and locally multi-sample responses that are non-diagnostic of a mineralization-related trend.

CdRR: Low-contrast (to 20RR) Cd responses typify the survey area. One area of multi-sample/cohesive response occurs in coincidence with ZnRR and CuRR anomalies in the southern survey area. This anomaly is situated on lines 50+75E and 51+25E and appears to be open to the south.

NiRR: Nickel responses in the survey area are erratic, single-sample and low-contrast (RR to 16). They are interpreted as non-diagnostic although the highest single sample response occurs in coincidence with a Zn-Cd-Cu anomaly on line 50+75E in the southern survey area.

CoRR: Low-contrast (RR to 17) responses typify the survey area. The weakly elevated CoRR are non-diagnostic with the greatest number of elevated responses occurring on line 51+00E in proximity to the Zn-Cd-Cu-Ni anomaly in the southern survey area.

Lithologically Sensitive Element Responses (Ce, TREE, Nb, Ti, Zr, U, Th, Ca+Mg+Sr)

CeRR: Cerium is a light rare earth element that is mobile in the secondary or surficial environment. The distribution of elevated Ce effectively divides the northern and southern survey areas suggesting a change in the bulk chemical composition in the lithologies flooring the Deltaic grid survey area. The northern grid is marked by responses of between 10RR and 70RR whereas the southern area responses are rarely >1RR or background.

(TREE)RR: An expected, similar response for the total (additive) rare earth element signature, as observed for the Ce signature, is observed for the survey area. The northern portion of the survey area is marked by elevated TREE whereas the reverse is true for the southern area with one exception. There is a suggestion of an elevated TREE response on the southern portion of lines 50+75E and 51+00E in an area marked by a coincident Zn-Cd-Cu-Ni +/- Co anomaly. The strongly elevated TREE response in the northern survey area coincides with the major Au anomaly in this area.

NbRR: Niobium is often a geochemical marker in MMI extractions during surveys for peralkaline lithologies (carbonatite) and for kimberlite lithologies. The Nb results at Stewart are very high-contrast (to 190RR) and define a localized and multi-sample Nb anomaly. This anomaly is coincident with a Bi-Mo-Sb-W-Tl anomaly that occurs on the southwestern edge of the major Au anomaly described above.

TiRR: The TiRR are high-contrast (to 215RR) and coincident with a multi-element Bi-Mo-Sb-W-Tl-Nb anomaly that occurs on the southwestern edge of the major Au anomaly described above.

ZrRR: The Zr responses on the survey grid are somewhat erratic but are high-contrast (to 80RR) and more or less coincident with the Ce and TREE signatures. The interpretation for the Ce/TREE anomaly can be applied to the Zr results that indicate a change in the bulk chemical composition in the lithologies underpinning the northern and southern survey areas.

URR: Very low-contrast responses of 2-10RR typify the northern survey area although these responses are considered elevated in comparison to those from the southern survey area that generally have RR1. Despite the low-contrast between the U contents of soils sampled from the survey area the results appear to mimic those of Ce, TREE and Zr and define a change in the bulk chemical composition between the lithologies in bedrock in the northern and southern survey areas.

ThRR: Like the Ce-TREE-Zr-U responses the moderate-contrast (to 34RR) ThRR define what appears to be a fundamental difference between northern and southern survey areas. The difference is attributed to a change in the lithologic and bulk chemical characteristics in the survey area.

(Ca+Mg+Sr)RR: This additive function has been used in previous MMI-M surveys undertaken in variable landscape environments to differentiate between mafic/ultramafic and felsic lithologies buried beneath overburden. The results from the Stewart survey area are scattered and single sample and non-diagnostic of changes in bedrock chemistry in the survey area.

OBSERVATIONS and DISCUSSION

The adoption of a well-constrained orientation survey in the Stewart landscape environment by Geofine has resulted in the delineation of three distinctive types of MMI-M geochemical anomalies on the survey grid. These anomalies provide focus for follow-up exploration, details about the geochemical character of a precious metal anomaly on the property and some insight into possible lithologic variation in the survey area.

The Geofine orientation survey was based upon a program of vertical profile sampling and has returned analytical data that definitively identifies the location of high-contrast residence sites for a large and significant suite of base and precious metals. This successful survey was targeted on areas of known mineral potential resulting from previous exploration by Geofine.

The depth of high-contrast responses for commodity and related elements Au, Ag, Cu, Pb and Tl was determined to be between 25-40 cm on the Stewart property. The highest contrast responses were observed between 30 and 40 cm but significant responses were also obtained from the 20-30 cm sample thereby requiring that an additional 5 cm in sample depth be collected so as not to miss any signals emanating from buried mineralization. The results of the exploration survey demonstrate that this sample interval was the correct one for the Stewart survey area and that owing to the siting of the survey in vegetated slopes the vertical differentiation of metals is not due to down-slope soil creep or extreme weather-induced cryoturbation but rather to the ascent of metals from bedrock source to surface.

A major Au anomaly is present in the northern portion of the survey area. It is a cohesive, multi-sample, multi-line approximately east-west-trending feature with an approximate strike length of 350 m and width of 200 m. The anomaly is open to the east and west. It overlaps and encapsulates Ag and As anomalies and is associated with a unique multi-element anomaly on its southwestern edge. This anomaly comprises Bi-Mo-Sb-W-Tl-Nb-Ti that blossoms to the west and is suggestive of a sulphide mineral assemblage associated with a felsic dyke or a mineralized structure with silicification. Alternatively, this anomaly and specifically the Ti-Nb component may be suggestive of a mineralized and altered zone developing to the west. This system would be associated with an oxide halo developed about the mineralized zone and as such is reflected by the significantly elevated Ti contents in the MMI-M survey in this area. The mineralogical source for the Ti and Nb in the source region may be rutile, ilmenite or magnetite. The felsic nature of the source region is indicated by Ce, TREE, Zr, U and Th, which would tend to support the presence of a source region for the metals as either a felsic dome or a deep porphyry-type intrusion. Previous exploration in the area indicates that the multi-element Bi-Mo-Sb-W-Tl-Nb-Ti anomaly is likely associated with an historic 400 m long conventional soil geochemical anomaly comprising Au, Cu and Zn.

The lithologically sensitive elements (Ce (TREE), Zr, U, Th) provide evidence to suggest that the bedrock concealed by overburden has two distinctive chemical signatures on the grid. The northern area is marked by elevated response ratios for this suite of elements whereas the southern grid area has responses that are basically "background". The difference between northern and southern survey areas might be explained by the presence of a more felsic character to the lithologies in the northern survey area although this difference might be due to alteration effects or chemical changes in host rocks due to the formation of the Au anomaly.

It is noted that the total rare earth element response in the northern grid area is coincident with the major Au anomaly suggesting a magmatic association between the Au, the incompatible rare earths and the Bi-Mo-Sb-W-Tl-Nb-Th anomaly that has formed on the southwestern flank of the Au anomaly. The overall anomalous response is the signature of an epithermal mineralizing system that is predominantly precious metal in character. It is possible, however that there is a base metal portion to this system in a down-plunge setting. Low Cu-Mo and Cu-W correlation coefficients tend to argue that this precious metal assemblage is distill to a possible source region such as a porphyry copper environment.

The southern survey area is not "barren" in terms of interesting responses and this is evidenced by the Zn-Cd-Cu-Ni +/- Co anomaly. This response is open to the south and possibly the east and west as well. The element assemblage is reminiscent of a base metal massive sulphide association or conceivably could be related to the epithermal mineralizing system responsible for the formation of the major Au anomaly to the north. Haloes of Zn have previously been documented in association with Au-Cu mineralization in the Stewart Camp.

CONCLUSIONS AND RECOMMENDATIONS

The following conclusions are evident from this MMI-M exploration survey on the Deltaic grid, Stewart property of Geofine.

1. The survey has successfully demonstrated that MMI-M partial extractions on soil samples collected from appropriate positions in the soil profile can isolate MMI-M precious (Au) and base metal anomalies.

2. Three major features of significance have been documented from the Deltaic grid survey area. The most significant of these is a major Au anomaly with associated Ag and As defined in the northern survey area. This anomaly is multi-sample, traverses multiple sampling transects and has an approximate length of 350 m and width of 200 m. It is well defined, open to the east and west and is a definite target for exploration follow-up.

3. There is a multi-element anomaly comprising Bi-Mo-Sb-W-Tl-Nb-Ti developed on the southwestern flank of the Au anomaly. Together with the Au response this element assemblage is interpreted to be the MMI-M geochemical signature of an epithermal mineralizing system of primarily precious metal character. The Ti-Nb component of this anomaly could possibly signal the presence of an oxide halo developed in association with a buried felsic dome or porphyry system that would represent a source region for the metallic metals in the area. The Ti and Nb could be resident in rutile, magnetite or ilmenite.

4. A base metal anomaly characterized by Zn-Cd-Cu-Ni +/- Co occurs in the southern grid area and is suggestive of a base metal massive sulphide type anomalous response. This anomaly is open to the south and possibly east and west. This feature could also represent a Zn halo to high-grade Au-Cu mineralization documented from the Stewart Camp.

5. The responses obtained from the rare earth elements and Zr, U and Th are suggestive of a change in bulk chemical composition from north to south in the survey area. It is noted that the major Au anomaly is associated with a zone with elevated rare earth elements and as such is suggestive of a magmatic source for the Au.

6. Sampling materials collected for MMI analysis are effective and appropriate sample media for an MMI survey.

7. The analyses generated by the MMI-M extraction are accurate and precise and are effective for the detection of low- to high-contrast anomalies.

The recommendations that flow from this survey are as follows:

1. The MMI process does not indicate the grade of mineralization responsible for the production of an MMI anomaly nor does it indicate the depth of the source

region for the anomaly. Accordingly, it is strongly recommended that an attempt at modeling the geological setting of the target mineralization based on their geophysical responses with emphasis on depth to source be undertaken prior to a diamond drill program. This exercise can greatly assist the drilling when attempting to provide explanations for the geological context of geophysical and MMI anomalies. The attitude of the target can be effectively delineated in this manner.

2. There is significant evidence to support a follow-up diamond drill program in the Deltaic MMI-M survey area based on integrated historic property geology, geophysics, traditional/conventional soil geochemistry and new MMI results. The preferred targets are described below:

   (i) Northeast Au-Cu Target: This target is the most significant in terms of its MMI geochemical contrast and multiple sample nature. The anomaly is multi-element in nature comprising significant Au and Cu responses over a 350 m by 200 m area. The anomaly is open to the east and west and significant mineralization was encountered in two historic drill holes on this target. Structurally controlled mineralization in these holes dipped towards an intermediate composition intrusion and as such could be related to deeper intrusive systems.

The association of a Bi-Mo-Sb-W-Tl-Nb-Ti anomaly with the Au-Cu anomaly described above may be indicative of an oxide halo associated with a deeper magmatic source region to the west. This target should also be drill-tested and additional MMI surveys undertaken to the west to elucidate more fully this anomalous response.

(ii) The presence of significant Au-Cu-Zn-REE MMI-M anomalies on line 51+00E in what has been termed the "Southeast Meadow Area" is recommended for drill testing. This anomaly is suggestive of base metal massive sulphide type mineralization and in association with the REE component of the anomaly is suggestive of a magmatic hydrothermal association.

(iii) A significant Au-Mo-Ti anomaly occurs west of the "Southeast Meadow Area" in the "Southwest Meadow Area" and this anomaly has striking similarities to the MMI-M anomaly in the Northeast Target area as well as and possible origins. A possible oxide halo accompanying deeper-seated mineralization could be indicated by this response. A drill hole is recommended to test this anomaly.

3. The success of MMI-M surveys in the survey area and the focused exploration and diamond drill follow-up based on integrated data sets indicates that

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CERTIFICATE of AUTHOR

I, Mark A.F. Fedikow, HB.Sc., M.Sc., Ph.D., P.Eng., P.Geo., do hereby certify that:

1. I am currently a self-employed Consulting Geologist/Geochemist with an office at:

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   Winnipeg, Manitoba, Canada R3P 1X8.

2. I graduated with a degree in Honors Geology (B.Sc.) from the University of Windsor (Windsor, Ont.) in 1975. In addition, I earned an M.Sc. in geophysics and geochemistry from the University of Windsor and a Doctor of Philosophy (Ph.D.) in exploration geochemistry from the School of Applied Geology, University of New South Wales (Sydney) in 1982.

3. I am a Member of the Association of Professional Engineers and Geoscientists of Manitoba. I am also a Fellow of the Association of Exploration (Applied) Geochemists, and a Member of the Prospectors and Developers Association of Canada.

4. I have worked as a geologist for a total of thirty years since my graduation from university; as a graduate student, as an employee of major and junior mining companies, the Manitoba Geological Survey and as an independent consultant.

5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

6. I am responsible for the preparation of the technical report titled "Results Of Mobile Metal Ions Process (MMI-M) Soil Geochemical Surveys on The Stewart Property (Deltaic Grid), Stewart Area, B.C."

7. I have not had prior involvement with the property that is the subject of the Technical Report.

8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

9. I am independent of the issuer applying all of the tests in section 1.5 of National Instrument 43-101.

10. I consent to the filing of the Technical Report with any stock exchanges or other regulatory authority and any publication by them, including electronic publication in the public company files on the web-sites accessible by the public, of the Technical Report.

Dated this 3rd Day of January, 2007.

Mark Fedikow

Signature of Qualified Person

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additional MMI-M surveys should be undertaken in the area. These surveys should act as "fill-in" surveys and as surveys designed to extend or extrapolate mineralized intersections in drill core.

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Ag-Ti	0.501		
Ag-Tl	0.65		
Ag-W	0.529		

Table 2. Complete Spearman Rank correlation coefficient matrix, Stewart Deltaic grid MMI-M survey. (n=149).

	AGRR	ALRR	ASRR	AURR	BARR
AGRR	1				
ALRR	-0.366	1			
ASRR	0.585	-0.247	1		
AURR	0.86	-0.306	0.678	1	
BARR	0.373	-0.188	0.646	0.478	1
BIRR	0.338	-0.158	0.551	0.432	0.426
CARR	-0.171	-0.191	0.015	-0.093	0.206
CDRR	-0.6	0.166	-0.505	-0.699	-0.369
CERR	0.633	-0.425	0.525	0.704	0.395
CORR	0.214	-0.045	0.077	0.21	0.107
CURR	0.256	-0.069	0.021	0.257	-0.092
DYRR	0.165	-0.352	0.099	0.176	0.106
ERRR	0.217	-0.378	0.14	0.223	0.104
EURR	0.448	-0.512	0.38	0.477	0.333
FERR	0.512	-0.03	0.652	0.688	0.476
GDRR	0.378	-0.473	0.303	0.406	0.272
LARR	0.59	-0.448	0.53	0.646	0.441
MORR	0.683	-0.212	0.684	0.779	0.403
NBRR	0.538	-0.028	0.693	0.709	0.489
NDRR	0.543	-0.514	0.463	0.582	0.365
NIRR	-0.636	0.379	-0.509	-0.697	-0.383
PBRR	0.558	-0.086	0.369	0.643	0.301
PRRR	0.569	-0.505	0.47	0.609	0.38
RBRR	0.648	-0.203	0.529	0.8	0.391
SBRR	0.651	-0.226	0.846	0.738	0.548
SCRR	0.379	-0.225	0.254	0.252	0.207
SMRR	0.489	-0.501	0.426	0.532	0.331
SRRR	0.122	-0.341	0.431	0.162	0.606
TARR	0.369	-0.137	0.529	0.46	0.356
TBRR	0.249	-0.416	0.146	0.226	0.136
THRR	0.568	-0.034	0.588	0.717	0.407
TIRR	0.501	-0.038	0.737	0.631	0.56
TLRR	0.65	-0.25	0.568	0.707	0.48

URR	0.348	-0.058	0.306	0.403	0.126
WRR	0.529	-0.199	0.734	0.658	0.542
YRR	0.148	-0.347	0.005	0.089	0.036
YBRR	0.272	-0.412	0.151	0.259	0.128
ZNRR	-0.47	0.052	-0.321	-0.566	-0.086
ZRRR	0.483	0.007	0.462	0.588	0.322

	BIRR	CARR	CDRR	CERR	CORR
BIRR	1				
CARR	-0.008	1			
CDRR	-0.302	0.277	1		
CERR	0.235	0.059	-0.592	1	
CORR	-0.273	0.154	0.012	0.322	1
CURR	-0.213	0.121	0.104	0.326	0.532
DYRR	-0.17	0.371	-0.001	0.582	0.492
ERRR	-0.153	0.374	-0.014	0.584	0.506
EURR	0.103	0.329	-0.28	0.825	0.414
FERR	0.449	-0.036	-0.492	0.455	0.153
GDRR	-0.003	0.352	-0.218	0.785	0.445
LARR	0.202	0.26	-0.473	0.937	0.355
MORR	0.51	-0.117	-0.58	0.55	0.034
NBRR	0.469	-0.106	-0.607	0.547	0.147
NDRR	0.172	0.269	-0.411	0.915	0.361
NIRR	-0.335	0.209	0.783	-0.653	0.023
PBRR	0.255	-0.013	-0.345	0.421	0.219
PRRR	0.182	0.26	-0.446	0.932	0.342
RBRR	0.29	-0.064	-0.589	0.57	0.171
SBRR	0.544	-0.11	-0.54	0.543	0.053
SCRR	-0.058	0.055	-0.162	0.477	0.482
SMRR	0.122	0.306	-0.34	0.877	0.391
SRRR	0.341	0.451	0.04	0.284	0.128
TARR	0.625	0.011	-0.374	0.332	-0.119
TBRR	-0.103	0.372	-0.066	0.666	0.449
THRR	0.264	-0.13	-0.634	0.634	0.268
TIRR	0.483	-0.057	-0.566	0.471	0.14
TLRR	0.424	-0.063	-0.474	0.621	0.111
URR	-0.112	-0.126	-0.388	0.585	0.36

WRR	0.577	0.054	-0.436	0.438	-0.03
YRR	-0.198	0.393	0.078	0.495	0.436
YBRR	-0.126	0.354	-0.085	0.626	0.469
ZNRR	-0.237	0.366	0.726	-0.315	0.219
ZRRR	0.133	-0.207	-0.603	0.608	0.339

	CURR	DYRR	ERRR	EURR	FERR
CURR	1				
DYRR	0.625	1			
ERRR	0.657	0.951	1		
EURR	0.519	0.854	0.861	1	
FERR	0.108	0.004	0.029	0.234	1
GDRR	0.572	0.909	0.904	0.975	0.171
LARR	0.415	0.672	0.678	0.891	0.416
MORR	0.144	0.03	0.079	0.329	0.743
NBRR	0.098	0.085	0.09	0.317	0.791
NDRR	0.447	0.769	0.773	0.955	0.326
NIRR	-0.005	-0.162	-0.176	-0.457	-0.361
PBRR	0.246	0.128	0.166	0.278	0.478
PRRR	0.409	0.718	0.72	0.925	0.353
RBRR	0.137	0.13	0.154	0.367	0.548
SBRR	0.068	0.035	0.092	0.331	0.64
SCRR	0.456	0.579	0.599	0.566	0.115
SMRR	0.501	0.823	0.826	0.968	0.283
SRRR	-0.004	0.272	0.271	0.398	0.195
TARR	-0.132	-0.027	-0.069	0.154	0.509
TBRR	0.571	0.926	0.909	0.896	0.03
THRR	0.295	0.181	0.191	0.376	0.716
TIRR	-0.004	0.026	0.03	0.276	0.726
TLRR	0.165	0.19	0.205	0.438	0.512
URR	0.524	0.442	0.451	0.475	0.324
WRR	0.003	-0.003	0.018	0.283	0.639
YRR	0.605	0.907	0.902	0.782	-0.074
YBRR	0.62	0.932	0.945	0.882	0.047
ZNRR	0.23	0.238	0.218	0.002	-0.411
ZRRR	0.296	0.242	0.223	0.368	0.574

	GDRR	LARR	MORR	NBRR	NDRR
GDRR	1				
LARR	0.857	1			
MORR	0.252	0.491	1		
NBRR	0.252	0.49	0.734	1	
NDRR	0.932	0.958	0.426	0.413	1
NIRR	-0.387	-0.556	-0.554	-0.486	-0.542
PBRR	0.235	0.39	0.479	0.411	0.349
PRRR	0.896	0.971	0.449	0.43	0.984
RBRR	0.313	0.519	0.595	0.579	0.467
SBRR	0.246	0.488	0.708	0.695	0.429
SCRR	0.591	0.496	0.156	0.168	0.531
SMRR	0.956	0.927	0.368	0.357	0.983
SRRR	0.357	0.378	0.203	0.203	0.37
TARR	0.073	0.292	0.498	0.612	0.232
TBRR	0.931	0.749	0.072	0.101	0.832
THRR	0.341	0.596	0.704	0.826	0.489
TIRR	0.204	0.443	0.648	0.879	0.36
TLRR	0.362	0.579	0.677	0.598	0.515
URR	0.5	0.598	0.338	0.47	0.53
WRR	0.191	0.438	0.7	0.689	0.374
YRR	0.844	0.596	-0.005	-0.017	0.696
YBRR	0.924	0.709	0.114	0.116	0.803
ZNRR	0.063	-0.195	-0.529	-0.494	-0.125
ZRRR	0.356	0.546	0.534	0.775	0.454

	NIRR	PBRR	PRRR	RBRR	SBRR
NIRR	1				
PBRR	-0.259	1			
PRRR	-0.554	0.366	1		
RBRR	-0.586	0.662	0.491	1	
SBRR	-0.521	0.366	0.44	0.494	1
SCRR	-0.191	0.18	0.505	0.206	0.179
SMRR	-0.494	0.328	0.962	0.427	0.384
SRRR	-0.1	0.013	0.376	0.054	0.293
TARR	-0.393	0.19	0.26	0.327	0.558
TBRR	-0.227	0.14	0.801	0.158	0.095

THRR	-0.477	0.457	0.51	0.594	0.6
TIRR	-0.496	0.33	0.38	0.521	0.7
TLRR	-0.521	0.58	0.534	0.65	0.57
URR	-0.289	0.23	0.531	0.362	0.307
WRR	-0.458	0.337	0.395	0.469	0.762
YRR	-0.08	0.078	0.659	0.056	-0.058
YBRR	-0.238	0.213	0.753	0.199	0.1
ZNRR	0.578	-0.216	-0.171	-0.455	-0.403
ZRRR	-0.454	0.361	0.48	0.522	0.479

	SCRR	SMRR	SRRR	TARR	TBRR
SCRR	1				
SMRR	0.551	1			
SRRR	0.248	0.376	1		
TARR	-0.051	0.189	0.295	1	
TBRR	0.581	0.873	0.302	0.013	1
THRR	0.25	0.443	0.07	0.438	0.193
TIRR	0.186	0.309	0.221	0.512	0.062
TLRR	0.245	0.472	0.242	0.351	0.206
URR	0.457	0.525	-0.041	0.116	0.443
WRR	-0.004	0.322	0.326	0.587	0.028
YRR	0.553	0.742	0.236	-0.115	0.892
YBRR	0.608	0.848	0.267	-0.033	0.915
ZNRR	0.149	-0.041	0.216	-0.339	0.203
ZRRR	0.368	0.424	0.033	0.373	0.246

	THRR	TIRR	TLRR	URR	WRR
THRR	1				
TIRR	0.691	1			
TLRR	0.589	0.546	1		
URR	0.728	0.361	0.32	1	
WRR	0.486	0.693	0.566	0.13	1
YRR	0.057	-0.063	0.126	0.352	-0.077
YBRR	0.207	0.074	0.235	0.462	0.057
ZNRR	-0.473	-0.416	-0.37	-0.211	-0.392
ZRRR	0.903	0.631	0.49	0.768	0.322

	YRR	YBRR	ZNRR	ZRRR
YRR	1			
YBRR	0.898	1		
ZNRR	0.249	0.143	1	
ZRRR	0.114	0.258	-0.416	1

Number of observations: 149

APPENDIX 1E

Results Of Mobile Metal Ions Process (MMI-M) Soil Geochemical Surveys on The Stewart Property (Deltaic Grid), Stewart Area, B.C.

MMI-M SURVEY ON LINES 5125N & 4075N (bracketing L5100N)				
Samples 6028 to 6040 (L51+25N)				
Samples 6041 to 6054 (L50+75N)				
Line No.	**Station**	**Sample No**		
(E)	**(N)**		NOTES	Latitude Longitude
51+25	42+25	6033	W50 1421m	
51+25	42+00	6032		
51+25	41+75	6031		
51+25	41+50	6030		
51+25	41+25	6029		
51+25	41+00	6028		
51+25	40+75	6034		
51+25	40+50	6035		
51+25	40+25	6036		
51+25	40+00	6037	W51	
51+25	39+75	6038		
51+25	39+50	6039	W52	
51+25	39+25	6040		
50+75	42+12.5	6054	W59	
50+75	41+87.5	6053	W58	
50+75	41+62.5	6052		
50+75	41+37.5	6051	W57	
50+75	41+12.5	6050		
	41+00		W56	
50+75	40+87.5	6049		
50+75	40+62.5	6048		
50+75	40+37.5	6047	W55	
50+75	40+12.5	6046	W54	
50+75	39+87.5	6045		
50+75	39+62.5	6044		
50+75	39+37.5	6041		
50+75	39+12.5	6042		
50+75	38+87.5	6043		
	Heli Landing W60			
	17.5m measured from L51+25E 39+50N to L51+00E 39+50N			
	4200N on L50+75E is only 10 m west of L51+00E 42+00N			

MMI-M SURVEY ON LINES 48+00E, 49+00E & 48+50E				
Samples 6000 to 6007 (L49+00E)				
Samples 6018 to 6027 (L49+00E)				
Samples 6008 to 6017 (L48+50N)				

Line No.	Station	Sample No		
(E)	(N)			
48+00	41+62.5	6007		
48+00	41+50	6006		
48+00	41+37.5	6005		
48+00	41+25	6004		
48+00	41+12.5	6003		
48+00	41+00	6002		
48+00	40+75	6001		
48+00	40+50	6000		
	40+75	too steep		
Line No.	**Station**	**Sample No**		
(E)	**(N)**			
48+50	41+87.5	6017		
48+50	41+75	6016		
48+50	41+62.5	6015		
48+50	41+50	6014		
48+50	41+37.5	6013		
48+50	41+25	6012		
48+50	41+12.5	6011		
48+50	41+00	6010		
48+50	40+75	6009		
48+50	40+50	6008		
Line No.	**Station**	**Sample No**		
(E)	**(N)**			
49+00E	42+50	6027		
49+00E	42+25	6026		
49+00E	42+00	6025		
49+00E	41+75	6024		
49+00E	41+50	6023		
49+00E	41+25	6022		
49+00E	41+00	6021		
49+00E	40+75	6020		
49+00E	40+50	6019		
49+00E	40+25	6018		
			l4800E, 4050N is about 15m	
			east of the o/c that could be the o/c	
			on L4800E @ 4100N	
TOTAL OF 55 MMI SAMPLES TAKEN IN OCTOBER 2006				

	21-Jul-06		STEWART PROPERTY - DELTAIC GRID			
			FOR GEOFINE EXPLORATION CONSULTANTS LTD.			
			49 Normandale Rd. Unionville, Ontario L5L 3B9			
			T 905-477-7072 EMAIL: geofine@rogers.com			
		ORIENTATION SURVEY - NO. 1				
Carried out by Dr. Mark Fedikow, Julien & Greg July 21, 2006						
	Line No.	Station	Sample No		Duplicate	
	(E)	(N)			Sample	
	54+75	45+75	505	A, B, C, D		
	54+75	46+00	506	A, B, C, D		
	54+75	46+25	507	A, B, C, D		
	54+75	46+50	508	A, B, C, D		
	54+75	46+75	509	A, B, C, D		
	54+75	47+00	510	A, B, C, D	511	A, B, C, D
	54+75	47+25	512	A, B, C, D		
	54+75	47+50	513	A, B, C, D		
	54+75	47+75	514	A, B, C, D		
	54+75	48+00	515	A, B, C, D		
	54+75	48+25	516	A, B, C, D		
	54+75	48+50	517	A, B, C, D		
	54+75	48+75	518	A, B, C, D		
	54+00	45+75	504	A, B, C, D		
	54+00	45+50	503	A, B, C, D		
	54+00	45+25	502	A, B, C, D		
	54+00	45+00	501	No Sample, snow.		
	54+00	44+75	500	A, B, C, D		
	53+00	44+75		No Sample, snow.		
	53+00	44+50	519	A, B, C, D		
	53+00	44+25	520	A, B, C, D		
	53+00	44+00	521	A, B, C, D		
		ORIENTATION SURVEY - NO. 2				
	Carried out by Geofine Personnel July 21, 2006					
	Line No.	Station	Sample No		Duplicate	
	(E)	(N)			Sample	
	51+00	43+50	600	A, B, C, D		
	51+00	43+25	601	A, B, C, D		
	51+00	43+00	602	A, B, C, D		
	51+00	42+75	603	A, B, C, D		
	51+00	42+50	604	A, B, C, D		
	51+00	42+25	605	A, B, C, D		
	51+00	42+00	606	A, B, C, D		
	51+00	41+75	607	A, B, C, D		
	51+00	41+50	608	A, B, C, D		
	51+00	41+25	609	A, B, C, D		
	51+00	41+00	610	A, B, C, D	611	A, B, C, D
	51+00	40+75	612	A, B, C, D		
	51+00	40+50	613	A, B, C, D		
	51+00	40+25	614	A, B, C, D		
	51+00	40+00	615	A, B, C, D		
	51+00	39+75	616	A, B, C, D		
	51+00	39+50	617	A, B, C, D		
			Duplicate sample 611 offset 1m E of 610			

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTI(	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1	1	1	5	1
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
525	22	>300	10	12.1	70	<1	<10	20	100	14	<100	2310	27	12.7	6.2	57	24	34	<5	<1
526	73	>300	20	30.7	210	<1	<10	<10	142	35	<100	1500	21	8.4	6.9	55	23	48	<5	<1
527	93	141	10	40.3	300	<1	<10	<10	272	14	<100	550	20	10.9	9.3	31	35	118	<5	<1
528	58	>300	40	43.3	340	<1	<10	<10	204	20	<100	1200	22	9.7	7.9	81	27	74	<5	<1
529	49	217	20	33.1	130	<1	<10	<10	240	22	<100	2450	40	19.6	11.9	83	46	73	<5	<1
530	101	75	50	58.5	110	<1	<10	<10	137	9	<100	1820	41	23.8	14.8	78	51	42	<5	<1
531	49	108	<10	23.2	20	<1	<10	<10	185	38	<100	1210	34	15.5	12	15	40	38	<5	<1
532	74	225	40	64.4	290	2	<10	<10	149	26	<100	1610	27	12.7	8.4	83	29	47	<5	<1
533	21	221	<10	18.2	30	<1	<10	10	120	45	<100	2150	39	21.2	8.8	26	33	34	<5	<1
534	27	253	<10	21.3	10	<1	<10	10	77	21	<100	1760	26	13.8	5.7	22	22	23	<5	<1
535	108	>300	20	53.6	220	<1	<10	<10	137	35	<100	1820	30	12.5	7.8	46	30	48	<5	<1
536	60	156	20	18.8	50	<1	<10	<10	167	41	<100	1090	50	23.9	17.8	29	70	135	<5	<1
537	68	99	<10	6.3	790	<1	<10	<10	249	28	<100	3600	42	20.2	13.1	6	51	97	<5	<1
538	22	184	20	1.3	670	<1	<10	<10	388	45	<100	720	61	26.2	21.9	17	84	169	<5	1
539	56	<1	<10	5.7	120	<1	<10	30	165	24	<100	3950	42	18.3	12.5	19	47	61	<5	<1
540	115	190	<10	14.5	<10	<1	<10	10	370	20	<100	5750	105	55.5	29.4	17	122	157	<5	<1
541	125	150	<10	22.8	<10	<1	<10	<10	397	30	<100	4910	72	36.8	22.9	21	95	99	<5	<1
542	53	248	<10	17.7	50	<1	<10	<10	318	12	<100	1920	43	19.9	12.7	25	50	106	<5	<1
543	23	>300	<10	19.9	120	<1	<10	<10	104	21	<100	1540	23	11.4	6	46	21	34	<5	<1
544	68	157	10	52.4	190	<1	<10	<10	228	12	<100	920	33	15.6	10.7	24	41	88	<5	<1
545	45	143	<10	13.1	30	<1	<10	<10	358	14	<100	1400	66	38.6	17.1	9	70	136	<5	<1
546	58	97	<10	28	100	<1	<10	<10	348	13	<100	1540	91	48.1	30.8	5	115	163	<5	<1
547	99	147	20	54.9	430	<1	<10	<10	286	24	<100	1710	46	22	15.3	44	55	103	<5	<1
548	36	263	<10	17.7	90	<1	<10	<10	680	29	<100	2060	93	54.4	27.7	22	110	294	<5	<1
549	107	220	10	20.5	230	<1	<10	<10	222	23	<100	1090	37	15	11.5	22	41	78	<5	<1
550	99	247	40	54	400	<1	<10	<10	249	31	<100	1540	45	22.6	12.4	56	52	89	<5	<1
551	77	189	<10	31.5	140	<1	<10	<10	221	17	<100	1520	53	28.8	13.5	18	61	94	<5	<1
552	29	217	<10	15.7	40	<1	<10	<10	182	26	<100	1680	43	19.4	11.5	21	49	53	<5	<1
553	16	219	<10	4.8	40	<1	<10	<10	139	17	<100	2050	42	20.2	9.3	26	43	37	<5	<1
554	23	239	<10	9.3	40	<1	<10	<10	127	25	<100	1820	46	22.6	8.7	40	42	39	<5	<1
555	58	178	<10	11	<10	<1	<10	<10	274	<5	<100	490	36	16.3	10.6	11	47	100	<5	<1
556	52	>300	50	27.6	360	1	<10	<10	132	<5	<100	140	14	5.6	8.9	56	22	36	<5	<1
557	56	272	70	35.2	1470	2	10	<10	1360	<5	<100	480	108	52.9	59.4	53	169	718	<5	1
558	25	>300	10	8.3	150	<1	<10	<10	227	8	<100	1230	27	12.1	9.6	71	32	95	<5	<1
559	26	>300	<10	12.7	210	<1	<10	<10	37	8	<100	740	13	7.9	2.4	54	9	15	<5	<1
560	23	>300	<10	11.4	180	<1	<10	10	25	24	<100	660	7	4.7	1.6	81	5	10	<5	<1
561	83	>300	20	39.4	370	<1	<10	<10	164	7	<100	650	17	7	6	51	21	73	<5	<1
562	31	294	10	16.3	230	<1	<10	<10	30	13	<100	710	8	4.7	1.5	80	5	14	<5	<1
563	46	272	10	27.7	130	<1	<10	<10	110	7	<100	570	19	7.9	6	43	23	39	<5	<1
564	49	220	50	55.2	340	1	<10	<10	208	<5	<100	300	18	7.5	7.1	73	26	78	<5	1
565	40	230	<10	8.2	60	<1	<10	30	19	23	<100	1340	12	7.2	1.7	24	6	7	<5	<1
566	19	266	<10	8.6	80	<1	<10	20	99	18	<100	1490	32	15.5	7.3	43	29	36	<5	<1
567	98	80	50	18.8	670	<1	30	90	72	30	<100	3430	221	133	72.5	14	296	507	<5	<1
568	8	>300	10	3.1	210	<1	<10	<10	251	13	<100	440	33	14.3	9.1	28	34	80	<5	<1
569	63	126	80	21.4	1190	<1	<10	<10	385	48	<100	810	49	22.9	18.7	35	64	82	<5	<1
570	52	>300	30	10.3	200	<1	<10	<10	483	12	<100	620	69	29.2	22.7	122	95	186	5	<1
571	78	286	<10	14.3	80	<1	<10	<10	72	16	<100	590	17	7.9	4.3	47	16	26	<5	<1
572	77	137	40	37	380	1	<10	<10	163	<5	<100	160	15	6.1	7.4	74	20	51	<5	<1
573	51	89	70	46.3	770	1	<10	<10	63	<5	<100	440	10	3.6	7.2	26	17	23	<5	<1
574	55	130	110	57.2	1760	9	<10	<10	169	<5	<100	280	14	6.2	7.1	138	20	59	<5	3
575	73	130	120	48.1	1830	5	<10	<10	333	<5	<100	310	21	8.7	13.1	199	34	197	<5	2
576	93	>300	280	46.3	3330	10	<10	<10	353	15	<100	690	23	8.9	12	251	33	155	<5	7
577	79	295	180	64	800	3	<10	<10	126	8	<100	430	8	3.6	4	136	12	54	<5	<1

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTIO	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1	1	1	5	1
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM
578	31	98	<10	31.4	120	<1	<10	<10	239	<5	<100	600	44	21.2	24	17	69	53	<5	<1
579	48	129	10	23.3	420	<1	<10	<10	539	87	<100	400	56	29.2	32	39	89	143	<5	<1
580	55	228	<10	27.9	110	<1	<10	10	240	25	<100	830	39	18.1	12.6	50	47	74	<5	<1
581	77	167	20	20.8	590	<1	<10	20	623	50	<100	2830	111	60.5	37.5	58	134	247	<5	<1
DUP-525	16	>300	<10	9.8	60	<1	<10	10	62	10	<100	1660	21	9.7	4.1	42	17	20	<5	<1
DUP-537	74	113	<10	5.3	620	<1	<10	<10	214	41	<100	3910	41	20.6	11.7	8	47	74	<5	<1
DUP-549	115	210	<10	22.2	180	<1	<10	<10	152	19	<100	1060	32	14.3	9	22	34	51	<5	<1
DUP-561	60	277	<10	36.9	300	<1	<10	<10	69	<5	<100	440	11	4.7	3.3	39	12	26	<5	<1
DUP-573	44	104	70	34.6	610	1	<10	<10	50	<5	<100	600	10	3.6	6.7	26	17	15	<5	<1
MMISRM1	18	33	20	42.5	100	<1	300	<10	20	42	<100	730	3	1.1	1.6	2	6	7	<5	43
MMISRM1	19	34	<10	44.5	110	<1	270	<10	16	46	<100	730	2	0.8	1	2	4	3	<5	39
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1
BLANK	<1	<1	<10	0.1	<10	<1	<10	<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1

ANALYTE	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTIO	5	0.5	1	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
525	8	13.2	63	45	170	2	14	147	1	43	19	<1	10	1	5	<10	16.5	878	0.6	10
526	17	5	68	20	250	1	16	161	2	53	20	<1	<10	<1	4	<10	13.4	1160	0.8	7
527	25	3.5	176	10	70	<1	43	172	2	48	35	<1	20	<1	4	<10	6.9	910	0.8	5
528	22	11.2	92	16	290	1	23	174	3	48	25	<1	10	<1	4	<10	14.7	2890	0.8	7
529	14	18.8	146	7	190	3	33	171	6	52	41	1	<10	2	7	<10	24.2	2310	0.7	9
530	26	9.2	154	5	370	<1	29	159	16	47	45	<1	<10	<1	7	<10	4.8	4200	0.7	4
531	11	3.1	128	<5	280	<1	26	223	<1	47	40	<1	<10	<1	6	<10	7	613	0.6	6
532	14	11	87	22	440	1	19	155	3	45	26	<1	<10	<1	5	<10	12.4	3390	0.7	5
533	6	4.3	83	21	350	<1	17	160	<1	42	24	<1	<10	<1	6	<10	5.8	605	0.6	6
534	6	3.1	55	14	150	<1	11	166	<1	29	16	<1	<10	<1	4	<10	4.2	1000	<0.5	6
535	12	12.4	78	9	150	4	17	219	2	54	25	<1	<10	1	5	<10	24.5	1590	0.6	9
536	30	4.8	229	7	170	1	49	205	<1	110	62	<1	<10	<1	10	<10	12.1	1470	1	9
537	13	0.5	161	7	130	<1	37	30	<1	103	44	<1	50	<1	8	<10	6.6	251	0.8	6
538	<5	5.1	270	8	180	1	60	65	2	245	71	<1	30	<1	12	<10	8.6	5680	1.3	7
539	8	9.9	126	27	110	1	26	70	1	86	38	<1	<10	<1	8	<10	10.7	2700	0.6	9
540	10	1.3	365	12	350	<1	76	187	<1	107	101	<1	<10	<1	19	<10	5.7	693	0.8	9
541	13	2.3	323	6	200	<1	69	137	<1	58	84	<1	<10	<1	14	<10	4.4	789	0.5	4
542	9	5.9	165	11	110	<1	39	198	<1	44	45	<1	<10	<1	8	<10	10.2	1360	1.3	8
543	9	3.6	59	13	130	<1	13	104	1	45	18	<1	<10	<1	4	<10	15.6	926	<0.5	7
544	6	6.2	134	<5	130	<1	31	171	1	33	35	<1	<10	<1	6	<10	9.5	1530	0.9	6
545	<5	0.8	235	6	240	<1	53	136	<1	46	58	<1	<10	<1	11	<10	3.6	185	0.9	7
546	<5	0.7	336	<5	110	<1	73	169	1	52	97	<1	<10	<1	17	<10	3.4	161	0.8	6
547	10	6.3	183	8	170	<1	40	166	2	76	51	<1	30	<1	9	<10	8.4	2200	1	7
548	<5	2.8	388	15	340	<1	92	134	1	75	94	<1	<10	<1	17	<10	8.6	645	1	11
549	9	5.1	125	7	70	1	29	165	1	81	38	<1	10	<1	7	<10	10.7	934	1	8
550	10	5.8	170	13	150	1	39	243	2	65	48	<1	10	<1	8	<10	13.6	2530	1	11
551	<5	2.2	182	7	120	<1	39	185	<1	59	50	<1	<10	<1	10	<10	6.8	703	0.7	10
552	5	8.6	142	15	320	1	30	159	<1	49	41	<1	<10	<1	8	<10	12.1	735	0.6	11
553	6	10.1	111	17	100	1	22	92	<1	44	33	<1	<10	<1	7	<10	14.7	1070	<0.5	10
554	6	13.8	100	17	130	1	20	91	<1	45	30	<1	<10	1	8	<10	13.5	891	<0.5	9
555	11	1.9	177	<5	50	<1	43	150	<1	34	42	<1	<10	<1	7	<10	8.8	267	0.7	8
556	45	37.9	109	<5	60	<1	24	104	5	29	28	3	90	3	3	30	7.5	8840	1.6	2
557	136	20.6	916	<5	150	<1	225	119	12	18	187	6	350	2	23	20	5.2	13300	2	2
558	14	8	125	15	230	<1	32	98	<1	50	31	<1	20	<1	5	<10	26.1	963	1.1	11
559	16	5.8	23	14	570	<1	5	82	<1	22	6	<1	<10	<1	2	<10	7.5	1140	1.1	6
560	7	3.7	14	37	260	<1	3	101	<1	19	4	<1	<10	<1	1	<10	8.8	589	1.2	3
561	19	9.3	80	8	70	<1	21	126	3	38	20	1	20	<1	3	<10	9.4	2580	1.5	6
562	19	9.9	14	17	230	<1	4	120	2	23	4	<1	<10	<1	1	<10	6.5	2760	1.2	4
563	15	11.1	77	10	170	<1	18	158	2	27	22	<1	<10	<1	4	<10	8.6	2000	0.9	5
564	38	21.2	116	6	280	<1	28	198	6	30	28	2	<10	1	4	<10	7.4	7670	2	4
565	11	6.5	12	16	240	<1	3	88	<1	18	4	<1	<10	<1	2	<10	2.6	1210	0.9	2
566	12	5.1	67	22	280	<1	14	166	<1	32	20	<1	<10	<1	5	<10	7.2	1300	1.2	4
567	<5	2.2	776	27	740	<1	156	158	<1	89	194	<1	80	<1	40	<10	3.3	946	0.5	3
568	5	14.6	107	18	70	<1	26	366	<1	37	29	<1	<10	<1	6	<10	10.1	5270	2.1	7
569	5	3	225	8	4000	<1	48	174	2	43	69	<1	30	<1	10	<10	4	1020	1	5
570	19	93.4	346	11	270	7	79	162	2	81	89	6	<10	7	14	<10	55.6	3170	1	18
571	11	12.2	45	21	470	1	10	160	1	22	13	<1	<10	1	3	<10	8	1590	0.6	6
572	26	13.7	94	<5	120	<1	22	187	2	39	25	1	20	1	3	<10	5.6	4080	0.9	4
573	79	43.9	73	<5	30	<1	13	110	5	28	23	4	40	2	2	10	11.7	13500	1.1	2
574	245	86.1	104	<5	450	<1	25	147	14	34	25	9	50	5	3	20	10	33300	2.2	3
575	105	42.6	197	<5	470	<1	51	148	9	36	42	6	80	3	5	20	5.9	17900	1.8	3
576	260	131	180	10	860	1	47	176	36	78	40	17	80	8	5	40	16.8	51100	3.2	8
577	139	69.5	57	10	510	<1	15	231	50	23	12	9	30	4	2	30	11	30900	2.1	5

ANALYTE	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTI(	5	0.5	1	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
578	17	3.1	270	<5	220	<1	53	186	1	20	72	<1	<10	<1	9	<10	6.5	1030	1.8	3
579	<5	9.7	401	7	80	<1	83	131	2	78	103	<1	30	<1	12	<10	3.9	3890	0.9	5
580	8	7.7	165	22	540	1	37	162	1	41	44	<1	<10	<1	7	<10	11.5	1510	1	6
581	9	6.7	438	16	410	<1	98	118	2	75	114	<1	20	<1	20	<10	7.3	2570	1	5
DUP-525	8	11.5	40	30	130	1	9	120	<1	27	12	<1	<10	<1	3	<10	10.6	860	0.6	7
DUP-537	13	0.6	133	7	140	<1	29	31	<1	107	38	<1	20	<1	7	<10	7	329	0.8	7
DUP-549	8	5	92	5	90	<1	21	158	<1	74	29	<1	<10	<1	6	<10	9.5	923	0.8	8
DUP-561	8	7	37	<5	50	<1	9	97	1	27	10	<1	<10	<1	2	<10	5.9	1650	0.9	3
DUP-573	73	40.2	61	<5	20	<1	11	86	4	26	22	4	20	2	2	<10	11.6	11100	1	2
MMISRM1	33	<0.5	24	260	160	44	5	310	<1	9	6	<1	610	<1	<1	<10	21.5	<3	0.6	42
MMISRM1	32	<0.5	12	267	120	46	2	272	<1	6	4	<1	510	<1	<1	<10	15.1	<3	<0.5	34
BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1
BLANK	<5	<0.5	<1	<5	<10	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1

ANALYTE	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTI(	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB
525	<1	119	10	170	501
526	2	74	6	100	209
527	1	118	10	80	108
528	2	87	8	80	237
529	2	176	17	70	751
530	3	220	21	110	67
531	<1	108	14	70	192
532	2	98	11	150	218
533	<1	200	17	140	133
534	<1	133	11	60	61
535	<1	108	10	100	737
536	<1	262	19	100	246
537	<1	183	16	380	156
538	<1	269	19	230	313
539	<1	191	13	450	299
540	<1	567	42	240	78
541	<1	321	30	180	54
542	<1	176	15	180	181
543	<1	93	9	140	178
544	<1	154	12	70	189
545	<1	384	33	40	62
546	<1	424	40	<20	77
547	1	204	19	130	133
548	<1	527	48	140	159
549	<1	131	12	60	277
550	1	184	20	170	329
551	<1	269	24	160	160
552	<1	180	15	100	381
553	<1	188	16	140	421
554	<1	220	18	120	416
555	<1	152	12	<20	159
556	7	51	4	30	100
557	9	542	39	50	58
558	<1	105	9	<20	346
559	1	66	7	20	123
560	<1	36	5	110	101
561	4	64	6	50	134
562	3	34	4	60	94
563	2	69	6	50	177
564	9	77	6	80	117
565	2	59	6	120	56
566	1	184	12	130	135
567	2	2050	91	3280	41
568	2	127	10	170	111
569	<1	149	22	460	112
570	3	269	22	60	2270
571	1	82	6	100	180
572	3	44	6	40	119
573	20	25	3	60	45
574	28	48	5	110	148
575	13	83	7	70	86
576	45	82	7	290	295
577	40	33	3	130	147

ANALYTE	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTI(	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB
578	2	155	19	40	88
579	2	210	27	110	71
580	<1	158	14	90	256
581	1	600	49	260	106
DUP-525	<1	90	7	150	312
DUP-537	<1	183	17	430	176
DUP-549	<1	114	12	90	241
DUP-561	1	44	4	<20	107
DUP-573	16	22	3	80	51
MMISRM1	<1	14	<1	410	14
MMISRM1	<1	9	<1	300	9
BLANK	<1	<5	<1	<20	<5
BLANK	<1	<5	<1	<20	<5

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTIC	1	1	10	0.1	10	1	10	10	5	5	100	10	1
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB
6000	8	222	<10	0.2	60	<1	<10	10	20	7	<100	240	20
6001	10	243	<10	0.8	130	<1	<10	10	42	14	<100	400	24
6002	14	215	<10	1.3	170	<1	<10	<10	31	7	<100	400	20
6003	24	236	<10	1.5	220	<1	<10	<10	65	8	<100	350	22
6004	13	208	<10	0.4	70	<1	<10	10	26	11	<100	420	19
6005	35	266	<10	3.3	220	<1	<10	<10	105	35	<100	530	28
6006	36	89	60	18.4	2760	<1	60	<10	486	25	<100	330	174
6007	29	95	20	9.4	250	<1	<10	<10	210	9	<100	420	49
6008	8	233	<10	0.2	210	<1	<10	20	30	9	<100	280	23
6009	7	218	<10	0.1	180	<1	<10	20	13	9	<100	250	15
6010	22	238	<10	1.6	170	<1	<10	<10	31	<5	<100	420	18
6011	33	242	<10	3.4	300	<1	<10	<10	82	17	<100	480	23
6012	14	276	<10	0.9	130	<1	<10	<10	50	12	<100	470	18
6013	12	224	<10	<0.1	80	<1	<10	10	30	9	<100	400	23
6014	34	205	<10	0.3	80	<1	<10	10	12	7	<100	350	14
6015	28	208	<10	0.2	40	<1	<10	20	29	11	<100	610	20
6016	13	209	<10	0.4	40	<1	<10	20	21	11	<100	620	18
6017	7	239	<10	0.1	50	<1	<10	20	36	14	<100	600	16
6018	7	238	<10	0.3	80	<1	<10	20	13	5	<100	210	13
6019	11	208	<10	<0.1	50	<1	<10	20	16	19	<100	190	16
6020	6	247	<10	0.8	120	<1	10	20	70	<5	<100	250	22
6021	14	125	<10	2.2	740	<1	220	40	109	11	<100	990	63
6022	13	221	<10	0.7	60	<1	<10	10	14	28	<100	290	18
6023	10	230	<10	<0.1	60	<1	<10	30	17	9	<100	460	14
6024	11	253	<10	2.4	200	<1	<10	<10	83	13	<100	400	18
6025	10	195	<10	<0.1	50	<1	<10	20	42	8	<100	450	24
6026	7	203	<10	0.1	30	<1	<10	30	19	5	<100	590	17
6027	24	176	<10	0.1	40	<1	<10	10	102	8	<100	530	35
6028	4	200	<10	0.2	110	<1	<10	40	8	10	<100	1110	10
6029	14	224	<10	0.2	50	<1	<10	20	49	11	<100	480	23
6030	11	227	<10	0.2	50	<1	<10	30	36	14	<100	630	19
6031	17	236	<10	2.5	100	<1	<10	30	34	21	<100	670	18
6032	14	227	<10	0.8	190	<1	<10	20	44	10	<100	540	22
6033	15	215	<10	0.4	130	<1	<10	20	66	9	<100	830	25
6034	16	201	<10	0.4	50	<1	<10	30	13	10	<100	540	17
6035	15	193	<10	0.2	60	<1	<10	20	17	8	<100	560	21
6036	21	168	<10	1.7	60	<1	<10	30	39	15	<100	10100	77
6037	11	235	<10	0.7	110	<1	<10	30	70	31	<100	1960	46
6038	7	253	<10	0.2	60	<1	<10	30	66	15	<100	780	30
6039	9	220	<10	<0.1	70	<1	<10	30	36	11	<100	1210	27
6040	4	182	<10	<0.1	170	<1	30	100	52	38	<100	460	42
6041	10	198	<10	0.4	110	<1	<10	30	275	26	<100	6070	370
6042	5	200	<10	0.4	110	<1	20	20	108	83	<100	8990	195
6043	4	192	<10	<0.1	200	<1	40	70	20	9	<100	6740	161
6044	7	197	<10	<0.1	50	<1	<10	60	10	7	<100	460	18
6045	5	238	<10	0.6	100	<1	<10	20	63	6	<100	520	24
6046	12	211	<10	0.3	40	<1	<10	20	10	5	<100	640	14
6047	16	214	<10	0.2	50	<1	<10	30	22	6	<100	590	18
6048	92	235	<10	23.8	40	<1	<10	20	54	49	<100	2590	25
6049	10	235	<10	1.3	70	<1	<10	10	35	6	<100	730	19
6050	7	195	<10	0.1	40	<1	<10	20	10	6	<100	510	16
6051	8	240	<10	0.4	70	<1	<10	10	52	12	<100	600	21
6052	7	214	<10	0.2	70	<1	<10	20	13	9	<100	330	15
6053	9	>300	<10	0.8	130	<1	<10	10	84	9	<100	1440	36
6054	8	234	<10	0.2	100	<1	<10	60	20	17	<100	930	33
DUP-6000	12	>300	<10	0.3	90	<1	<10	10	39	10	<100	280	26
DUP-6012	12	>300	<10	1.3	150	<1	<10	<10	74	18	<100	750	26
DUP-6024	18	>300	<10	3.2	250	<1	<10	10	86	15	<100	560	25
DUP-6036	28	248	<10	2.1	80	<1	<10	40	106	24	<100	13000	115
DUP-6048	122	>300	<10	31.3	70	<1	<10	20	67	54	<100	3360	33
MMISRM1	17	36	20	39	70	<1	220	<10	15	36	<100	650	2
MMISRM1	20	32	20	39.8	80	<1	260	<10	23	38	<100	670	3
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<100	<10	<1
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<100	<10	<1

Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb	Pd	Pr
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
0.5	0.5	1	1	1	5	1	5	0.5	1	5	10	1	1
PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB
9.2	3	8	12	5	<5	<1	<5	1.6	18	38	30	<1	4
10.4	4.2	18	17	13	<5	<1	<5	2.6	30	48	120	<1	7
9	3.7	12	15	9	<5	<1	<5	1	27	23	170	<1	6
9.7	5.4	12	22	22	<5	<1	<5	1.8	51	11	90	<1	11
9.2	3.3	10	14	8	<5	<1	<5	1.4	23	22	10	<1	5
10.8	7.3	41	27	41	<5	<1	<5	4	69	10	90	<1	16
99.4	58.2	75	224	398	<5	6	10	10.8	697	7	50	<1	159
22	18.7	29	63	79	<5	<1	8	2.4	197	<5	170	<1	45
9.9	3.9	8	15	10	<5	<1	<5	2.1	25	34	90	<1	6
8	2.2	5	9	2	<5	<1	<5	0.6	12	28	20	<1	3
7.8	3.3	9	13	9	<5	<1	<5	1.2	24	18	190	<1	5
9.4	5.6	18	22	29	<5	<1	<5	2.2	55	10	170	<1	13
7.1	3.6	17	15	18	<5	<1	<5	3.1	32	18	30	<1	8
10.7	3.8	9	16	9	<5	<1	<5	1.4	28	19	<10	<1	6
6.6	2.1	6	8	2	<5	<1	<5	0.5	11	22	40	<1	2
9.7	3.6	10	14	9	<5	<1	<5	1.2	27	29	10	<1	6
7.9	2.8	13	12	5	<5	<1	<5	1.1	18	54	30	<1	4
7.6	2.9	30	12	11	<5	<1	<5	5.2	22	24	<10	<1	5
6.5	2	6	8	3	<5	<1	<5	0.7	11	28	160	<1	2
7.2	2.5	7	10	3	<5	<1	<5	<0.5	16	28	<10	<1	3
8.2	6.2	11	23	24	<5	<1	<5	0.9	59	18	60	<1	14
33.9	14.3	18	61	71	<5	5	<5	<0.5	122	49	120	<1	26
9.7	1.8	8	8	5	<5	<1	<5	0.7	10	22	60	<1	2
6.2	2.3	15	9	5	<5	<1	<5	1	14	23	<10	<1	3
7.3	5.6	22	20	32	<5	<1	<5	2.6	58	15	70	<1	14
10.8	5.1	8	22	12	<5	<1	<5	0.8	45	21	<10	<1	9
8.2	3.1	11	13	5	<5	<1	<5	0.6	20	22	<10	<1	4
17.4	8.2	3	33	33	<5	<1	<5	<0.5	93	19	<10	<1	21
5.6	1.3	47	5	2	<5	<1	<5	0.8	6	31	80	<1	1
10.3	5.1	10	20	16	<5	<1	<5	1.3	43	23	30	<1	9
8.2	3.9	14	15	12	<5	<1	<5	1.9	32	23	10	<1	7
7.5	3.5	12	14	12	<5	<1	<5	1.7	25	20	180	<1	6
9.3	4.5	11	18	14	<5	<1	<5	1.3	39	20	90	<1	9
9.9	6.6	13	25	22	<5	<1	<5	1.3	61	19	10	<1	14
8.2	2.4	7	10	2	<5	<1	<5	0.5	13	22	240	<1	3
9.8	3.1	6	14	3	<5	<1	<5	<0.5	19	18	<10	<1	4
40	12.4	4	57	22	<5	<1	<5	<0.5	82	18	40	<1	15
20.8	8.9	36	36	26	<5	<1	8	1.1	68	47	90	<1	14
12.4	7	13	27	20	<5	<1	<5	2.2	57	36	20	<1	12
12.5	5.9	6	23	12	<5	<1	<5	0.7	44	28	20	<1	9
20.3	9.1	17	38	20	<5	4	<5	<0.5	80	43	10	<1	16
165	76.1	8	318	191	<5	<1	<5	1.6	621	20	30	<1	125
126	37.6	24	191	262	<5	<1	<5	3	357	22	70	<1	79
109	20.8	18	121	83	<5	1	<5	0.9	168	83	20	<1	32
8.9	2.6	6	11	3	<5	<1	<5	<0.5	13	37	<10	<1	3
10.2	6.2	11	24	21	<5	<1	<5	0.7	57	18	110	<1	13
7.5	1.6	23	7	3	<5	<1	<5	0.9	8	25	30	<1	2
8.5	3	9	12	6	<5	<1	<5	0.9	19	24	<10	<1	4
11.8	7	30	25	20	<5	<1	<5	0.7	47	30	2000	<1	10
8.1	4.2	15	16	11	<5	<1	<5	0.9	33	18	270	<1	7
8.1	1.9	12	8	2	<5	<1	<5	0.5	10	26	<10	<1	2
8.4	5.2	14	20	18	<5	<1	<5	2.2	43	14	20	<1	10
7.1	2.1	19	9	3	<5	<1	<5	1.3	12	25	100	<1	3
15.2	8.2	18	32	32	<5	<1	<5	6.9	71	14	40	<1	16
15.6	4.8	22	21	5	<5	<1	<5	1	28	34	20	<1	5
12	4.5	9	17	13	<5	<1	<5	3.5	31	30	40	<1	7
10.3	5.3	19	21	29	<5	<1	6	6.3	47	21	40	<1	11
10.2	6.7	26	26	32	<5	<1	<5	3.2	61	21	100	<1	14
54.3	26	7	112	67	<5	<1	<5	0.9	208	27	60	<1	40
15.3	9.1	40	32	26	<5	<1	6	0.8	61	41	2350	<1	13
0.9	0.9	7	3	4	<5	35	27	<0.5	11	199	120	38	3
1.1	1.4	4	5	4	<5	40	29	<0.5	18	210	160	41	4
<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1
<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10	<1	<1

Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W
MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1
PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
50	<1	41	7	<1	<10	<1	3	<10	2.1	821	<0.5	3	<1
117	<1	48	11	<1	<10	<1	4	<10	3.5	1290	<0.5	4	<1
84	<1	27	10	<1	<10	<1	4	<10	1.9	350	<0.5	2	<1
107	<1	35	16	<1	<10	<1	4	<10	3.2	856	<0.5	4	<1
49	<1	34	9	<1	<10	<1	3	<10	2	815	<0.5	3	<1
129	<1	60	22	<1	<10	<1	5	<10	6.7	2490	<0.5	4	<1
86	1	68	176	<1	510	1	35	<10	3.7	5720	<0.5	2	2
135	<1	90	58	<1	30	<1	10	<10	6.7	1180	<0.5	7	<1
76	<1	36	10	<1	20	<1	4	<10	2	603	<0.5	3	<1
73	<1	36	5	<1	20	<1	2	<10	1.1	229	<0.5	2	<1
124	<1	26	9	<1	<10	<1	3	<10	2.6	367	<0.5	3	<1
126	<1	37	17	<1	<10	<1	5	<10	4.1	1110	<0.5	4	<1
97	<1	29	10	<1	<10	<1	3	<10	4.5	779	<0.5	4	<1
14	<1	41	10	<1	<10	<1	4	<10	1.7	1030	<0.5	3	<1
79	<1	20	5	<1	<10	<1	2	<10	1.1	193	<0.5	2	<1
12	<1	38	10	<1	<10	<1	3	<10	2.1	784	<0.5	3	<1
24	<1	31	7	<1	<10	<1	3	<10	1.8	458	<0.5	3	<1
13	<1	33	8	<1	<10	<1	3	<10	5.7	2510	<0.5	5	<1
123	<1	27	5	<1	<10	<1	2	<10	1.5	298	<0.5	2	<1
15	<1	28	6	<1	<10	<1	3	<10	1	139	<0.5	2	<1
132	<1	28	19	<1	20	<1	4	<10	2	375	<0.5	2	<1
50	<1	40	40	<1	320	<1	12	<10	3.3	128	<0.5	5	<1
68	<1	19	4	<1	10	<1	3	<10	1.4	133	<0.5	1	<1
16	<1	33	6	<1	<10	<1	2	<10	2.2	520	<0.5	3	<1
109	<1	34	17	<1	<10	<1	4	<10	4.9	1030	<0.5	3	<1
11	<1	33	15	<1	<10	<1	5	<10	1.3	259	<0.5	3	<1
22	<1	34	8	<1	<10	<1	3	<10	1.4	298	<0.5	4	<1
13	<1	51	24	<1	<10	<1	7	<10	0.8	165	<0.5	3	<1
89	<1	20	3	<1	<10	<1	1	<10	3.6	212	<0.5	3	<1
23	<1	37	14	<1	<10	<1	4	<10	2.2	841	<0.5	4	<1
24	<1	30	11	<1	<10	<1	3	<10	2.9	1040	<0.5	5	<1
101	<1	23	10	<1	<10	<1	3	<10	3.2	601	<0.5	4	<1
79	<1	31	13	<1	<10	<1	4	<10	2.4	590	<0.5	3	<1
35	<1	37	19	<1	10	<1	5	<10	2.5	866	<0.5	4	<1
79	<1	21	6	<1	<10	<1	3	<10	1.4	104	<0.5	2	<1
43	<1	31	8	<1	<10	<1	4	<10	1	134	<0.5	3	<1
63	<1	28	32	<1	<10	<1	13	<10	1.6	105	<0.5	4	<1
113	<1	40	23	<1	10	<1	8	<10	3.5	516	<0.5	4	<1
32	<1	50	19	<1	<10	<1	6	<10	4	522	<0.5	4	<1
37	<1	39	15	<1	<10	<1	5	<10	1.7	407	<0.5	3	<1
19	<1	38	26	<1	80	<1	8	<10	1.4	88	<0.5	1	<1
39	<1	33	191	<1	10	<1	67	<10	2.9	251	<0.5	5	1
61	<1	34	95	<1	10	<1	34	<10	7	1580	<0.5	7	1
58	<1	31	47	<1	80	<1	25	<10	2.9	515	<0.5	5	<1
46	<1	31	6	<1	10	<1	3	<10	0.9	90	<0.5	2	<1
132	<1	34	18	<1	<10	<1	5	<10	2.3	417	<0.5	3	<1
45	<1	30	4	<1	<10	<1	2	<10	2.7	302	<0.5	3	<1
28	<1	34	7	<1	<10	<1	3	<10	1.8	443	<0.5	3	<1
51	<1	96	17	<1	<10	<1	5	<10	2.1	225	<0.5	1	<1
148	<1	24	11	<1	<10	<1	3	<10	2.2	394	<0.5	3	<1
34	<1	28	5	<1	<10	<1	2	<10	1.5	173	<0.5	3	<1
30	<1	34	14	<1	<10	<1	4	<10	3.7	1180	<0.5	4	<1
87	<1	17	5	<1	<10	<1	2	<10	1.6	381	<0.5	2	<1
78	<1	66	23	<1	<10	<1	7	<10	6.5	1550	<0.5	7	<1
21	<1	37	12	<1	20	<1	6	<10	1.6	317	<0.5	3	<1
50	<1	52	11	<1	10	<1	4	<10	4.1	2260	<0.5	6	<1
117	<1	43	16	<1	<10	<1	5	<10	8.2	1630	<0.5	7	<1
149	<1	46	20	<1	<10	<1	5	<10	6.6	1210	<0.5	5	<1
72	<1	45	72	<1	10	<1	22	<10	2.7	246	0.6	7	<1
58	<1	134	22	<1	<10	<1	6	<10	3.1	291	<0.5	2	<1
252	<1	5	3	<1	490	<1	<1	<10	14.7	<3	<0.5	32	<1
289	<1	7	5	<1	590	<1	<1	<10	22.4	<3	<0.5	42	<1
<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	4	<0.5	<1	<1
<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1

Y	Yb	Zn	Zr
MMI-M5	MMI-M5	MMI-M5	MMI-M5
5	1	20	5
PPB	PPB	PPB	PPB
93	6	160	40
100	7	140	79
97	6	110	27
104	7	80	63
98	6	110	41
109	7	100	149
1270	66	300	50
203	17	60	120
103	6	290	45
76	6	170	21
74	5	180	50
97	7	100	81
71	5	110	90
111	7	120	47
67	4	140	19
101	7	140	43
82	6	170	33
71	5	130	133
60	4	240	22
71	5	350	16
96	5	570	34
445	22	2140	34
87	6	150	23
58	4	190	40
77	5	140	94
127	7	160	24
86	6	190	25
208	12	130	15
50	4	340	30
110	7	200	48
82	6	270	63
72	5	230	47
92	6	320	42
116	6	510	52
81	6	230	18
101	6	260	16
543	25	770	20
229	14	1000	30
133	9	840	74
144	9	440	29
255	13	2250	11
1320	110	360	53
1700	80	790	102
1510	61	2930	40
86	6	830	12
113	7	250	35
66	5	200	29
79	6	250	31
125	9	210	43
88	6	250	34
76	6	260	21
88	6	240	85
69	5	210	23
152	10	230	161
161	10	550	24
108	8	160	56
98	7	120	100
105	7	150	124
785	35	850	43
160	11	230	65
10	<1	310	9
13	<1	360	15
<5	<1	<20	<5
<5	<1	<20	<5

APPENDIX 2E

Results Of Mobile Metal Ions Process (MMI-M) Soil Geochemical Surveys on
The Stewart Property (Deltaic Grid), Stewart Area, B.C.

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB
6000	8	222	<10	0.2	60	<1	<10	10	20	7	<100	240	20	9.2	3	8	12	5	<5	<1	<5
DUP-6000	12	>300	<10	0.3	90	<1	<10	10	39	10	<100	280	26	12	4.5	9	17	13	<5	<1	<5
6012	14	276	<10	0.9	130	<1	<10	<10	50	12	<100	470	18	7.1	3.6	17	15	18	<5	<1	<5
DUP-6012	12	>300	<10	1.3	150	<1	<10	<10	74	18	<100	750	26	10.3	5.3	19	21	29	<5	<1	6
6024	11	253	<10	2.4	200	<1	<10	<10	83	13	<100	400	18	7.3	5.6	22	20	32	<5	<1	<5
DUP-6024	18	>300	<10	3.2	250	<1	<10	10	86	15	<100	560	25	10.2	6.7	26	26	32	<5	<1	<5
6036	21	168	<10	1.7	60	<1	<10	30	39	15	<100	10100	77	40	12.4	4	57	22	<5	<1	<5
DUP-6036	28	248	<10	2.1	80	<1	<10	40	106	24	<100	13000	115	54.3	26	7	112	67	<5	<1	<5
6048	92	235	<10	23.8	40	<1	<10	20	54	49	<100	2590	25	11.8	7	30	25	20	<5	<1	<5
DUP-6048	122	>300	<10	31.3	70	<1	<10	20	67	54	<100	3360	33	15.3	9.1	40	32	26	<5	<1	6
525	22	>300	10	12.1	70	<1	<10	20	100	14	<100	2310	27	12.7	6.2	57	24	34	<5	<1	8
DUP-525	16	>300	<10	9.8	60	<1	<10	10	62	10	<100	1660	21	9.7	4.1	42	17	20	<5	<1	8
537	68	99	<10	6.3	790	<1	<10	<10	249	28	<100	3600	42	20.2	13.1	6	51	97	<5	<1	13
DUP-537	74	113	<10	5.3	620	<1	<10	<10	214	41	<100	3910	41	20.6	11.7	8	47	74	<5	<1	13
549	107	220	10	20.5	230	<1	<10	<10	222	23	<100	1090	37	15	11.5	22	41	78	<5	<1	9
DUP-549	115	210	<10	22.2	180	<1	<10	<10	152	19	<100	1060	32	14.3	9	22	34	51	<5	<1	8
561	83	>300	20	39.4	370	<1	<10	<10	164	7	<100	650	17	7	6	51	21	73	<5	<1	19
DUP-561	60	277	<10	36.9	300	<1	<10	<10	69	<5	<100	440	11	4.7	3.3	39	12	26	<5	<1	8
573	51	89	70	46.3	770	1	<10	<10	63	<5	<100	440	10	3.6	7.2	26	17	23	<5	<1	79
DUP-573	44	104	70	34.6	610	1	<10	<10	50	<5	<100	600	10	3.6	6.7	26	17	15	<5	<1	73

Standard MMISRM14

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB
MMISRM14	17	36	20	39	70	<1	220	<10	15	36	<100	650	2	0.9	0.9	7	3	4	<5	35	27
MMISRM14	20	32	20	39.8	80	<1	260	<10	23	38	<100	670	3	1.1	1.4	4	5	4	<5	40	29
MMISRM14	18	33	20	42.5	100	<1	300	<10	20	42	<100	730	3	1.1	1.6	2	6	7	<5	43	33
MMISRM14	19	34	<10	44.5	110	<1	270	<10	16	46	<100	730	2	0.8	1	2	4	3	<5	39	32
Recommended Values-Standard MMISRM14																					
MMISRM14	19	36	13	44.1	60	<1	273	8	13	45		765	2	0.8	0.9	1.7	3	3	2	36	37

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	100	10	1	0.5	0.5	1	1	1	5	1	5
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5
BLANK	<1	<1	<10	0.1	<10	<1	<10	<10	<5	<5	<100	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5

ANALYTE	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	0.5	1	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
6000	1.6	18	38	30	<1	4	50	<1	41	7	<1	<10	<1	3	<10	2.1	821	<0.5	3	<1	93
DUP-6000	3.5	31	30	40	<1	7	50	<1	52	11	<1	10	<1	4	<10	4.1	2260	<0.5	6	<1	108
6012	3.1	32	18	30	<1	8	97	<1	29	10	<1	<10	<1	3	<10	4.5	779	<0.5	4	<1	71
DUP-6012	6.3	47	21	40	<1	11	117	<1	43	16	<1	<10	<1	5	<10	8.2	1630	<0.5	7	<1	98
6024	2.6	58	15	70	<1	14	109	<1	34	17	<1	<10	<1	4	<10	4.9	1030	<0.5	3	<1	77
DUP-6024	3.2	61	21	100	<1	14	149	<1	46	20	<1	<10	<1	5	<10	6.6	1210	<0.5	5	<1	105
6036	<0.5	82	18	40	<1	15	63	<1	28	32	<1	<10	<1	13	<10	1.6	105	<0.5	4	<1	543
DUP-6036	0.9	208	27	60	<1	40	72	<1	45	72	<1	10	<1	22	<10	2.7	246	0.6	7	<1	785
6048	0.7	47	30	2000	<1	10	51	<1	96	17	<1	<10	<1	5	<10	2.1	225	<0.5	1	<1	125
DUP-6048	0.8	61	41	2350	<1	13	58	<1	134	22	<1	<10	<1	6	<10	3.1	291	<0.5	2	<1	160
525	13.2	63	45	170	2	14	147	1	43	19	<1	10	1	5	<10	16.5	878	0.6	10	<1	119
DUP-525	11.5	40	30	130	1	9	120	<1	27	12	<1	<10	<1	3	<10	10.6	860	0.6	7	<1	90
537	0.5	161	7	130	<1	37	30	<1	103	44	<1	50	<1	8	<10	6.6	251	0.8	6	<1	183
DUP-537	0.6	133	7	140	<1	29	31	<1	107	38	<1	20	<1	7	<10	7	329	0.8	7	<1	183
549	5.1	125	7	70	1	29	165	1	81	38	<1	10	<1	7	<10	10.7	934	1	8	<1	131
DUP-549	5	92	5	90	<1	21	158	<1	74	29	<1	<10	<1	6	<10	9.5	923	0.8	8	<1	114
561	9.3	80	8	70	<1	21	126	3	38	20	1	20	<1	3	<10	9.4	2580	1.5	6	4	64
DUP-561	7	37	<5	50	<1	9	97	1	27	10	<1	<10	<1	2	<10	5.9	1650	0.9	3	1	44
573	43.9	73	<5	30	<1	13	110	5	28	23	4	40	2	2	10	11.7	13500	1.1	2	20	25
DUP-573	40.2	61	<5	20	<1	11	86	4	26	22	4	20	2	2	<10	11.6	11100	1	2	16	22

Standard MMI

ANALYTE	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	0.5	1	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
MMISRM14	<0.5	11	199	120	38	3	252	<1	5	3	<1	490	<1	<1	<10	14.7	<3	<0.5	32	<1	10
MMISRM14	<0.5	18	210	160	41	4	289	<1	7	5	<1	590	<1	<1	<10	22.4	<3	<0.5	42	<1	13
MMISRM14	<0.5	24	260	160	44	5	310	<1	9	6	<1	610	<1	<1	<10	21.5	<3	0.6	42	<1	14
MMISRM14	<0.5	12	267	120	46	2	272	<1	6	4	<1	510	<1	<1	<10	15.1	<3	<0.5	34	<1	9
Recommende																					
MMISRM14	<0.5	10	289	100	46	2	283	<1	5	3	<1	518	<1	<1	<10	18.2	<3	<0.5	40	<1	8

ANALYTE	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	0.5	1	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
BLANK	<0.5	<1	<5	<10	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	4	<0.5	<1	<1	<5
BLANK	<0.5	<1	<5	<10	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
BLANK	<0.5	<1	<5	<10	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5
BLANK	<0.5	<1	<5	<10	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5

ANALYTE	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	20	5
UNITS	PPB	PPB	PPB
6000	6	160	40
DUP-6000	8	160	56
6012	5	110	90
DUP-6012	7	120	100
6024	5	140	94
DUP-6024	7	150	124
6036	25	770	20
DUP-6036	35	850	43
6048	9	210	43
DUP-6048	11	230	65
525	10	170	501
DUP-525	7	150	312
537	16	380	156
DUP-537	17	430	176
549	12	80	277
DUP-549	12	90	241
561	6	50	134
DUP-561	4	<20	107
573	3	60	45
DUP-573	3	80	51
Standard MMI			
ANALYTE	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	20	5
UNITS	PPB	PPB	PPB
MMISRM14	<1	310	9
MMISRM14	<1	380	15
MMISRM14	<1	410	14
MMISRM14	<1	300	9
Recommende			
MMISRM14	<1	345	13
ANALYTE	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	20	5
UNITS	PPB	PPB	PPB
BLANK	<1	<20	<5
BLANK	<1	<20	<5
BLANK	<1	<20	<5
BLANK	<1	<20	<5

Analyte	Grid East	Grid North	Ag	AgRR	Al	AlRR	As	AsRR	Au	AuRR	Ba	BaRR	Bi	BiRR	Ca	CaRR	Cd
Method			MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Detection			1		1		10		0.1		10		1		10		10
Units			PPB		PPM		PPB		PPB		PPB		PPB		PPM		PPB
500	54+00	44+75	21	3	259	2	5	1	5.7	37	120	3	0.5	1	5	1	5
502	54+00	45+25	36	5	273	2	20	4	21	137	150	4	0.5	1	5	1	5
503	54+00	45+50	37	5	169	1	120	24	25.6	167	320	8	0.5	1	5	1	5
504	54+00	45+75	44	6	154	1	150	30	32.5	212	300	8	1	2	5	1	5
505	54+75	45+75	53	7	226	2	20	4	15.4	101	140	4	0.5	1	5	1	5
506	54+75	46+00	82	11	143	1	50	10	36.1	236	310	8	2	4	5	1	5
507	54+75	46+25	94	13	115	1	40	8	39.9	261	240	6	0.5	1	5	1	5
508	54+75	46+50	84	11	165	1	80	16	39.1	255	220	6	2	4	5	1	5
509	54+75	46+75	72	10	255	2	20	4	55.8	364	80	2	0.5	1	5	1	10
510	54+75	47+00	59	8	137	1	10	2	64.8	423	220	6	0.5	1	5	1	5
512	54+75	47+25	163	22	133	1	10	2	41.5	271	200	5	0.5	1	5	1	5
513	54+75	47+50	23	3	251	2	10	2	1.8	12	70	2	0.5	1	5	1	5
514	54+75	47+75	93	13	263	2	20	4	9.8	64	250	7	0.5	1	5	1	20
515	54+75	48+00	36	5	256	2	5	1	1.9	12	60	2	0.5	1	5	1	50
516	54+75	48+25	15	2	257	2	10	2	0.7	5	50	1	0.5	1	5	1	40
517	54+75	48+50	15	2	295	2	30	6	0.6	4	370	10	0.5	1	5	1	10
518	54+75	48+75	8	1	194	1	5	1	0.7	5	60	2	0.5	1	10	2	10
519	53+00	44+50	15	2	200	2	5	1	2.9	19	50	1	0.5	1	5	1	20
520	53+00	44+25	15	2	300	2	40	8	13.9	91	150	4	0.5	1	5	1	5
521	53+00	44+00	8	1	253	2	10	2	1.7	11	120	3	0.5	1	5	1	5
600	51+00	43+50	29	4	187	1	5	1	2.2	14	130	3	0.5	1	5	1	20
601	51+00	43+25	48	6	273	2	10	2	7.6	50	350	9	0.5	1	5	1	5
602	51+00	43+00	7	1	249	2	5	1	0.2	1	110	3	0.5	1	5	1	20
603	51+00	42+75	9	1	242	2	5	1	0.2	1	160	4	0.5	1	5	1	20
604	51+00	42+50	16	2	292	2	5	1	0.2	1	110	3	0.5	1	5	1	10
605	51+00	42+25	5	1	300	2	5	1	0.1	1	120	3	0.5	1	5	1	10
606	51+00	42+00	8	1	294	2	5	1	1.1	7	220	6	0.5	1	5	1	20
607	51+00	41+75	37	5	280	2	5	1	2.9	19	170	5	0.5	1	5	1	20
608	51+00	41+50	34	5	300	2	5	1	5.9	39	290	8	0.5	1	5	1	10
609	51+00	41+25	11	1	236	2	5	1	0.4	3	70	2	0.5	1	5	1	20
610	51+00	41+00	17	2	227	2	5	1	1	7	80	2	0.5	1	5	1	5
612	51+00	40+75	16	2	292	2	5	1	0.8	5	90	2	0.5	1	5	1	10
613	51+00	40+50	12	2	102	1	5	1	2.5	16	100	3	0.5	1	20	4	20
614	51+00	40+25	10	1	276	2	20	4	1.2	8	470	12	0.5	1	10	2	50
615	51+00	40+00	7	1	210	2	5	1	0.7	5	180	5	0.5	1	10	2	100
616	51+00	39+75	25	3	300	2	5	1	5.2	34	180	5	0.5	1	5	1	10
617	51+00	39+50	6	1	271	2	5	1	0.2	1	110	3	0.5	1	5	1	50
525	54+25	45+75	22	3	300	2	10	2	12.1	79	70	2	0.5	1	5	1	20
526	54+25	46+00	73	10	300	2	20	4	30.7	200	210	6	0.5	1	5	1	5
527	54+25	46+12.5	93	13	141	1	10	2	40.3	263	300	8	0.5	1	5	1	5
528	54+25	46+25	58	8	300	2	40	8	43.3	283	340	9	0.5	1	5	1	5
529	54+25	46+37.5	49	7	217	2	20	4	33.1	216	130	3	0.5	1	5	1	5
530	54+25	46+50	101	14	75	1	50	10	58.5	382	110	3	0.5	1	5	1	5
531	54+25	46+62.5	49	7	108	1	5	1	23.2	152	20	1	0.5	1	5	1	5
532	54+25	46+80	74	10	225	2	40	8	64.4	421	290	8	2	4	5	1	5
533	54+25	46+87.5	21	3	221	2	5	1	18.2	119	30	1	0.5	1	5	1	10
534	54+25	47+00	27	4	253	2	5	1	21.3	139	10	1	0.5	1	5	1	10
535	54+25	47+12.5	108	15	300	2	20	4	53.6	350	220	6	0.5	1	5	1	5
536	54+25	47+25	60	8	156	1	20	4	18.8	123	50	1	0.5	1	5	1	5
537	54+25	47+40	68	9	99	1	5	1	6.3	41	790	21	0.5	1	5	1	5
538	54+25	47+50	22	3	184	1	20	4	1.3	8	670	18	0.5	1	5	1	5
539	54+25	47+75	56	8	0.5	1	5	1	5.7	37	120	3	0.5	1	5	1	30
540	55+00	47+75	115	15	190	1	5	1	14.5	95	5	1	0.5	1	5	1	10

Analyte	Grid East	Grid North	Ag	AgRR	Al	AlRR	As	AsRR	Au	AuRR	Ba	BaRR	Bi	BiRR	Ca	CaRR	Cd
Method			MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Detection			1		1		10		0.1		10		1		10		10
Units			PPB		PPM		PPB		PPB		PPB		PPB		PPM		PPB
541	55+00	47+50	125	17	150	1	5	1	22.8	149	5	1	0.5	1	5	1	5
542	55+00	47+25	53	7	248	2	5	1	17.7	116	50	1	0.5	1	5	1	5
543	55+00	47+12.5	23	3	300	2	5	1	19.9	130	120	3	0.5	1	5	1	5
544	55+00	47+00	68	9	157	1	10	2	52.4	342	190	5	0.5	1	5	1	5
545	55+00	46+87.5	45	6	143	1	5	1	13.1	86	30	1	0.5	1	5	1	5
546	55+00	46+75	58	8	97	1	5	1	28	183	100	3	0.5	1	5	1	5
547	55+00	46+62.5	99	13	147	1	20	4	54.9	359	430	11	0.5	1	5	1	5
548	55+00	46+50	36	5	263	2	5	1	17.7	116	90	2	0.5	1	5	1	5
549	55+00	46+37.5	107	14	220	2	10	2	20.5	134	230	6	0.5	1	5	1	5
550	55+00	46+25	99	13	247	2	40	8	54	353	400	11	0.5	1	5	1	5
551	55+00	46+12.5	77	10	189	1	5	1	31.5	206	140	4	0.5	1	5	1	5
552	55+00	46+00	29	4	217	2	5	1	15.7	103	40	1	0.5	1	5	1	5
553	55+00	45+87	16	2	219	2	5	1	4.8	31	40	1	0.5	1	5	1	5
554	55+00	45+75	23	3	239	2	5	1	9.3	61	40	1	0.5	1	5	1	5
555	52+25	45+25	58	8	178	1	5	1	11	72	5	1	0.5	1	5	1	5
556	52+35	4548	52	7	300	2	50	10	27.6	180	360	10	1	2	5	1	5
557	52+40	4560	56	8	272	2	70	14	35.2	230	1470	39	2	4	10	2	5
558	52+44	4571	25	3	300	2	10	2	8.3	54	150	4	0.5	1	5	1	5
559	52+48	4584	26	4	300	2	5	1	12.7	83	210	6	0.5	1	5	1	5
560	52+53	4593	23	3	300	2	5	1	11.4	74	180	5	0.5	1	5	1	10
561	52+56	4605	83	11	300	2	20	4	39.4	257	370	10	0.5	1	5	1	5
562	52+62	4620	31	4	294	2	10	2	16.3	106	230	6	0.5	1	5	1	5
563	52+66	4630	46	6	272	2	10	2	27.7	181	130	3	0.5	1	5	1	5
564	52+71	4643	49	7	220	2	50	10	55.2	360	340	9	1	2	5	1	5
565	52+75	4653	40	5	230	2	5	1	8.2	54	60	2	0.5	1	5	1	30
566	52+80	4665	19	3	266	2	5	1	8.6	56	80	2	0.5	1	5	1	20
567	52+88	4687	98	13	80	1	50	10	18.8	123	670	18	0.5	1	30	6	90
568	52+98	4714	8	1	300	2	10	2	3.1	20	210	6	0.5	1	5	1	5
569	51+75	4525	63	8	126	1	80	16	21.4	140	1190	32	0.5	1	5	1	5
570	51+78	4538	52	7	300	2	30	6	10.3	67	200	5	0.5	1	5	1	5
571	51+82	4549	78	10	286	2	5	1	14.3	93	80	2	0.5	1	5	1	5
572	51+86	4560	77	10	137	1	40	8	37	242	380	10	1	2	5	1	5
573	51+92	4575	51	7	89	1	70	14	46.3	302	770	20	1	2	5	1	5
574	51+96	4585	55	7	130	1	110	22	57.2	374	1760	47	9	18	5	1	5
575	52+00	4596	73	10	130	1	120	24	48.1	314	1830	48	5	10	5	1	5
576	52+05	4610	93	13	300	2	280	56	46.3	302	3330	88	10	20	5	1	5
577	52+09	4617	79	11	295	2	180	36	64	418	800	21	3	6	5	1	5
578	52+13	4631	31	4	98	1	5	1	31.4	205	120	3	0.5	1	5	1	5
579	52+18	4642	48	6	129	1	10	2	23.3	152	420	11	0.5	1	5	1	5
580	52+23	4655	55	7	228	2	5	1	27.9	182	110	3	0.5	1	5	1	10
581	52+28	4666	77	10	167	1	20	4	20.8	136	590	16	0.5	1	5	1	20
6000	48+00	40+50	8	1	222	2	5	1	0.2	1	60	2	0.5	1	5	1	10
6001	48+00	40+75	10	1	243	2	5	1	0.8	5	130	3	0.5	1	5	1	10
6002	48+00	41+00	14	2	215	2	5	1	1.3	8	170	5	0.5	1	5	1	5
6003	48+00	41+12.5	24	3	236	2	5	1	1.5	10	220	6	0.5	1	5	1	5
6004	48+00	41+25	13	2	208	2	5	1	0.4	3	70	2	0.5	1	5	1	10
6005	48+00	41+37.5	35	5	266	2	5	1	3.3	22	220	6	0.5	1	5	1	5
6006	48+00	41+50	36	5	89	1	60	12	18.4	120	2760	73	0.5	1	60	12	5
6007	48+00	41+62.5	29	4	95	1	20	4	9.4	61	250	7	0.5	1	5	1	5
6008	48+50	40+50	8	1	233	2	5	1	0.2	1	210	6	0.5	1	5	1	20
6009	48+50	40+75	7	1	218	2	5	1	0.1	1	180	5	0.5	1	5	1	20
6010	48+50	41+00	22	3	238	2	5	1	1.6	10	170	5	0.5	1	5	1	5
6011	48+50	41+12.5	33	4	242	2	5	1	3.4	22	300	8	0.5	1	5	1	5

Analyte	Grid East	Grid North	Ag	AgRR	Al	AlRR	As	AsRR	Au	AuRR	Ba	BaRR	Bi	BiRR	Ca	CaRR	Cd
Method			MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Detection			1		1		10		0.1		10		1		10		10
Units			PPB		PPM		PPB		PPB		PPB		PPB		PPM		PPB
6012	48+50	41+25	14	2	276	2	5	1	0.9	6	130	3	0.5	1	5	1	5
6013	48+50	41+37.5	12	2	224	2	5	1	0.05	1	80	2	0.5	1	5	1	10
6014	48+50	41+50	34	5	205	2	5	1	0.3	2	80	2	0.5	1	5	1	10
6015	48+50	41+62.5	28	4	208	2	5	1	0.2	1	40	1	0.5	1	5	1	20
6016	48+50	41+75	13	2	209	2	5	1	0.4	3	40	1	0.5	1	5	1	20
6017	48+50	41+87.5	7	1	239	2	5	1	0.1	1	50	1	0.5	1	5	1	20
6018	49+00	40+25	7	1	238	2	5	1	0.3	2	80	2	0.5	1	5	1	20
6019	49+00	40+50	11	1	208	2	5	1	0.05	1	50	1	0.5	1	5	1	20
6020	49+00	40+75	6	1	247	2	5	1	0.8	5	120	3	0.5	1	10	2	20
6021	49+00	41+00	14	2	125	1	5	1	2.2	14	740	20	0.5	1	220	44	40
6022	49+00	41+25	13	2	221	2	5	1	0.7	5	60	2	0.5	1	5	1	10
6023	49+00	41+50	10	1	230	2	5	1	0.05	1	60	2	0.5	1	5	1	30
6024	49+00	41+75	11	1	253	2	5	1	2.4	16	200	5	0.5	1	5	1	5
6025	49+00	42+00	10	1	195	1	5	1	0.05	1	50	1	0.5	1	5	1	20
6026	49+00	42+25	7	1	203	2	5	1	0.1	1	30	1	0.5	1	5	1	30
6027	49+00	42+50	24	3	176	1	5	1	0.1	1	40	1	0.5	1	5	1	10
6028	51+25	41+00	4	1	200	2	5	1	0.2	1	110	3	0.5	1	5	1	40
6029	51+25	41+25	14	2	224	2	5	1	0.2	1	50	1	0.5	1	5	1	20
6030	51+25	41+50	11	1	227	2	5	1	0.2	1	50	1	0.5	1	5	1	30
6031	51+25	41+75	17	2	236	2	5	1	2.5	16	100	3	0.5	1	5	1	30
6032	51+25	42+00	14	2	227	2	5	1	0.8	5	190	5	0.5	1	5	1	20
6033	51+25	42+25	15	2	215	2	5	1	0.4	3	130	3	0.5	1	5	1	20
6034	51+25	40+75	16	2	201	2	5	1	0.4	3	50	1	0.5	1	5	1	30
6035	51+25	40+50	15	2	193	1	5	1	0.2	1	60	2	0.5	1	5	1	20
6036	51+25	40+25	21	3	168	1	5	1	1.7	11	60	2	0.5	1	5	1	30
6037	51+25	40+00	11	1	235	2	5	1	0.7	5	110	3	0.5	1	5	1	30
6038	51+25	39+75	7	1	253	2	5	1	0.2	1	60	2	0.5	1	5	1	30
6039	51+25	39+50	9	1	220	2	5	1	0.05	1	70	2	0.5	1	5	1	30
6040	51+25	39+25	4	1	182	1	5	1	0.05	1	170	5	0.5	1	30	6	100
6041	50+75	39+37.5	10	1	198	2	5	1	0.4	3	110	3	0.5	1	5	1	30
6042	50+75	39+12.5	5	1	200	2	5	1	0.4	3	110	3	0.5	1	20	4	20
6043	50+75	38+87.5	4	1	192	1	5	1	0.05	1	200	5	0.5	1	40	8	70
6044	50+75	39+62.5	7	1	197	1	5	1	0.05	1	50	1	0.5	1	5	1	60
6045	50+75	39+87.5	5	1	238	2	5	1	0.6	4	100	3	0.5	1	5	1	20
6046	50+75	40+12.5	12	2	211	2	5	1	0.3	2	40	1	0.5	1	5	1	20
6047	50+75	40+37.5	16	2	214	2	5	1	0.2	1	50	1	0.5	1	5	1	30
6048	50+75	40+62.5	92	12	235	2	5	1	23.8	155	40	1	0.5	1	5	1	20
6049	50+75	40+87.5	10	1	235	2	5	1	1.3	8	70	2	0.5	1	5	1	10
6050	50+75	41+12.5	7	1	195	1	5	1	0.1	1	40	1	0.5	1	5	1	20
6051	50+75	41+37.5	8	1	240	2	5	1	0.4	3	70	2	0.5	1	5	1	10
6052	50+75	41+62.5	7	1	214	2	5	1	0.2	1	70	2	0.5	1	5	1	20
6053	50+75	41+87.5	9	1	300	2	5	1	0.8	5	130	3	0.5	1	5	1	10
6054	50+75	42+12.5	8	1	234	2	5	1	0.2	1	100	3	0.5	1	5	1	60
25th PERCENTILE				11		189		5		0.4		60		0.5		5	
BACKGROUND				7.428571		131.3919		5		0.153125		37.75862		0.5		5	

Analyte	CdRR	Ce	CeRR	Co	CoRR	Cu	CuRR	Dy	DyRR	Er	ErRR	Eu	EuRR	Fe	FeRR	Gd	GdRR	La	LaRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		5		5		10		1		0.5		0.5		1		1		1	
Units		PPB		PPB		PPB		PPB		PPB		PPB		PPM		PPB		PPB	
500	1	101	5	10	2	550	2	25	2	10.3	1	6	2	29	4	26	2	42	6
502	1	104	5	25	4	2240	6	29	2	13	2	7.4	3	23	3	29	3	47	7
503	1	371	17	36	6	5220	14	111	7	50.6	7	40	14	122	17	140	12	155	23
504	1	174	8	8	1	800	2	29	2	12.4	2	8.6	3	147	20	33	3	69	10
505	1	172	8	19	3	1040	3	34	2	15	2	9.5	3	48	7	41	4	63	9
506	1	164	7	6	1	830	2	33	2	15.8	2	8.6	3	116	16	37	3	60	9
507	1	142	6	12	2	590	2	35	2	18.5	3	12.9	5	48	7	42	4	52	8
508	1	123	6	14	3	1980	5	37	2	20.5	3	13.7	5	89	12	44	4	41	6
509	2	75	3	10	2	2040	6	22	1	10.9	2	6	2	27	4	21	2	29	4
510	1	201	9	54	10	630	2	27	2	11.6	2	8.3	3	37	5	31	3	57	8
512	1	209	9	21	4	1020	3	40	3	17.4	2	12.1	4	18	2	49	4	99	15
513	1	160	7	19	3	1830	5	42	3	19	3	12.7	4	9	1	48	4	59	9
514	4	202	9	30	5	3830	11	61	4	31.1	4	16.1	6	18	2	69	6	103	15
515	10	123	6	13	2	4170	11	67	4	31	4	13.8	5	12	2	60	5	44	7
516	8	47	2	23	4	1190	3	34	2	17.8	3	6	2	11	2	27	2	18	3
517	2	101	5	19	3	1120	3	43	3	20.9	3	8.3	3	8	1	38	3	46	7
518	2	168	8	13	2	630	2	51	3	24.2	3	14.3	5	11	2	60	5	76	11
519	4	96	4	8	1	2410	7	64	4	32	5	14.1	5	9	1	60	5	42	6
520	1	105	5	17	3	860	2	26	2	11.3	2	7.7	3	45	6	28	2	48	7
521	1	72	3	11	2	420	1	28	2	11.2	2	6.7	2	16	2	25	2	25	4
600	4	147	7	11	2	1550	4	105	7	45.4	6	22	8	5	1	93	8	79	12
601	1	165	7	34	6	730	2	44	3	19.4	3	13.6	5	33	5	52	5	66	10
602	4	66	3	8	1	610	2	45	3	24.5	3	8.9	3	11	2	40	4	23	3
603	4	59	3	21	4	950	3	49	3	22.4	3	10	4	14	2	44	4	28	4
604	2	42	2	13	2	720	2	32	2	15.1	2	6.1	2	20	3	26	2	16	2
605	2	40	2	10	2	630	2	24	2	10.6	1	5.1	2	14	2	21	2	14	2
606	4	41	2	10	2	980	3	27	2	12.1	2	5.6	2	15	2	22	2	15	2
607	4	41	2	15	3	980	3	30	2	15.2	2	4.8	2	10	1	21	2	14	2
608	2	42	2	15	3	810	2	22	1	9.4	1	4.2	1	21	3	16	1	15	2
609	4	22	1	7	1	1370	4	35	2	17.2	2	5	2	4	1	21	2	8	1
610	1	70	3	15	3	1640	5	54	4	29.4	4	12.3	4	10	1	50	4	24	4
612	2	25	1	12	2	590	2	19	1	9.6	1	2.8	1	13	2	11	1	9	1
613	4	640	29	96	17	16200	45	309	20	182	26	95.2	34	2	1	363	32	177	26
614	10	94	4	57	10	5560	15	91	6	56.5	8	16.4	6	36	5	74	7	58	9
615	20	34	2	92	16	8230	23	86	6	50.2	7	10.5	4	14	2	57	5	32	5
616	2	146	7	24	4	8940	25	121	8	67.6	10	25.9	9	26	4	109	10	90	13
617	10	22	1	26	5	460	1	26	2	12.4	2	4.3	2	8	1	17	2	8	1
525	4	100	5	14	3	2310	6	27	2	12.7	2	6.2	2	57	8	24	2	34	5
526	1	142	6	35	6	1500	4	21	1	8.4	1	6.9	2	55	8	23	2	48	7
527	1	272	12	14	3	550	2	20	1	10.9	2	9.3	3	31	4	35	3	118	17
528	1	204	9	20	4	1200	3	22	1	9.7	1	7.9	3	81	11	27	2	74	11
529	1	240	11	22	4	2450	7	40	3	19.6	3	11.9	4	83	12	46	4	73	11
530	1	137	6	9	2	1820	5	41	3	23.8	3	14.8	5	78	11	51	5	42	6
531	1	185	8	38	7	1210	3	34	2	15.5	2	12	4	15	2	40	4	38	6
532	1	149	7	26	5	1610	4	27	2	12.7	2	8.4	3	83	12	29	3	47	7
533	2	120	5	45	8	2150	6	39	3	21.2	3	8.8	3	26	4	33	3	34	5
534	2	77	3	21	4	1760	5	26	2	13.8	2	5.7	2	22	3	22	2	23	3
535	1	137	6	35	6	1820	5	30	2	12.5	2	7.8	3	46	6	30	3	48	7
536	1	167	8	41	7	1090	3	50	3	23.9	3	17.8	6	29	4	70	6	135	20
537	1	249	11	28	5	3600	10	42	3	20.2	3	13.1	5	6	1	51	5	97	14
538	1	388	18	45	8	720	2	61	4	26.2	4	21.9	8	17	2	84	7	169	25
539	6	165	7	24	4	3950	11	42	3	18.3	3	12.5	4	19	3	47	4	61	9
540	2	370	17	20	4	5750	16	105	7	55.5	8	29.4	10	17	2	122	11	157	23

Analyte	CdRR	Ce	CeRR	Co	CoRR	Cu	CuRR	Dy	DyRR	Er	ErRR	Eu	EuRR	Fe	FeRR	Gd	GdRR	La	LaRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		5		5		10		1		0.5		0.5		1		1		1	
Units		PPB		PPB		PPB		PPB		PPB		PPB		PPM		PPB		PPB	
541	1	397	18	30	5	4910	14	72	5	36.8	5	22.9	8	21	3	95	8	99	15
542	1	318	14	12	2	1920	5	43	3	19.9	3	12.7	4	25	3	50	4	106	16
543	1	104	5	21	4	1540	4	23	1	11.4	2	6	2	46	6	21	2	34	5
544	1	228	10	12	2	920	3	33	2	15.6	2	10.7	4	24	3	41	4	88	13
545	1	358	16	14	3	1400	4	66	4	38.6	5	17.1	6	9	1	70	6	136	20
546	1	348	16	13	2	1540	4	91	6	48.1	7	30.8	11	5	1	115	10	163	24
547	1	286	13	24	4	1710	5	46	3	22	3	15.3	5	44	6	55	5	103	15
548	1	680	31	29	5	2060	6	93	6	54.4	8	27.7	10	22	3	110	10	294	44
549	1	222	10	23	4	1090	3	37	2	15	2	11.5	4	22	3	41	4	78	12
550	1	249	11	31	6	1540	4	45	3	22.6	3	12.4	4	56	8	52	5	89	13
551	1	221	10	17	3	1520	4	53	3	28.8	4	13.5	5	18	2	61	5	94	14
552	1	182	8	26	5	1680	5	43	3	19.4	3	11.5	4	21	3	49	4	53	8
553	1	139	6	17	3	2050	6	42	3	20.2	3	9.3	3	28	4	43	4	37	5
554	1	127	6	25	4	1820	5	46	3	22.6	3	8.7	3	40	6	42	4	39	6
555	1	274	12	2.5	1	490	1	36	2	16.3	2	10.6	4	11	2	47	4	100	15
556	1	132	6	2.5	1	140	1	14	1	5.6	1	8.9	3	56	8	22	2	36	5
557	1	1360	61	2.5	1	480	1	108	7	52.9	7	59.4	21	53	7	169	15	718	106
558	1	227	10	8	1	1230	3	27	2	12.1	2	9.6	3	71	10	32	3	95	14
559	1	37	2	8	1	740	2	13	1	7.9	1	2.4	1	54	7	9	1	15	2
560	2	25	1	24	4	660	2	7	1	4.7	1	1.6	1	81	11	5	1	10	1
561	1	164	7	7	1	650	2	17	1	7	1	6	2	51	7	21	2	73	11
562	1	30	1	13	2	710	2	8	1	4.7	1	1.5	1	80	11	5	1	14	2
563	1	110	5	7	1	570	2	19	1	7.9	1	6	2	43	6	23	2	39	6
564	1	208	9	2.5	1	300	1	18	1	7.5	1	7.1	3	73	10	26	2	78	12
565	6	19	1	23	4	1340	4	12	1	7.2	1	1.7	1	24	3	6	1	7	1
566	4	99	4	16	3	1490	4	32	2	15.5	2	7.3	3	43	6	29	3	36	5
567	18	72	3	30	5	3430	9	221	14	133	19	72.5	26	14	2	296	26	507	75
568	1	251	11	13	2	440	1	33	2	14.3	2	9.1	3	28	4	34	3	80	12
569	1	385	17	48	9	810	2	49	3	22.9	3	18.7	7	35	5	64	6	82	12
570	1	483	22	12	2	620	2	69	4	29.2	4	22.7	8	122	17	95	8	186	28
571	1	72	3	16	3	590	2	17	1	7.9	1	4.3	2	47	7	16	1	26	4
572	1	163	7	2.5	1	160	1	15	1	6.1	1	7.4	3	74	10	20	2	51	8
573	1	63	3	2.5	1	440	1	10	1	3.6	1	7.2	3	26	4	17	2	23	3
574	1	169	8	2.5	1	280	1	14	1	6.2	1	7.1	3	138	19	20	2	59	9
575	1	333	15	2.5	1	310	1	21	1	8.7	1	13.1	5	199	28	34	3	197	29
576	1	353	16	15	3	690	2	23	1	8.9	1	12	4	251	35	33	3	155	23
577	1	126	6	8	1	430	1	8	1	3.6	1	4	1	136	19	12	1	54	8
578	1	239	11	2.5	1	600	2	44	3	21.2	3	24	8	17	2	69	6	53	8
579	1	539	24	87	16	400	1	56	4	29.2	4	32	11	39	5	89	8	143	21
580	2	240	11	25	4	830	2	39	3	18.1	3	12.6	4	50	7	47	4	74	11
581	4	623	28	50	9	2830	8	111	7	60.5	9	37.5	13	58	8	134	12	247	37
6000	2	20	1	7	1	240	1	20	1	9.2	1	3	1	8	1	12	1	5	1
6001	2	42	2	14	3	400	1	24	2	10.4	1	4.2	1	18	2	17	2	13	2
6002	1	31	1	7	1	400	1	20	1	9	1	3.7	1	12	2	15	1	9	1
6003	1	65	3	8	1	350	1	22	1	9.7	1	5.4	2	12	2	22	2	22	3
6004	2	26	1	11	2	420	1	19	1	9.2	1	3.3	1	10	1	14	1	8	1
6005	1	105	5	35	6	530	1	28	2	10.8	2	7.3	3	41	6	27	2	41	6
6006	1	486	22	25	4	330	1	174	11	99.4	14	58.2	21	75	10	224	20	398	59
6007	1	210	9	9	2	420	1	49	3	22	3	18.7	7	29	4	63	6	79	12
6008	4	30	1	9	2	280	1	23	1	9.9	1	3.9	1	8	1	15	1	10	1
6009	4	13	1	9	2	250	1	15	1	8	1	2.2	1	5	1	9	1	2	1
6010	1	31	1	2.5	1	420	1	18	1	7.8	1	3.3	1	9	1	13	1	9	1
6011	1	82	4	17	3	480	1	23	1	9.4	1	5.6	2	18	2	22	2	29	4

Analyte	CdRR	Ce	CeRR	Co	CoRR	Cu	CuRR	Dy	DyRR	Er	ErRR	Eu	EuRR	Fe	FeRR	Gd	GdRR	La	LaRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		5		5		10		1		0.5		0.5		1		1		1	
Units		PPB		PPB		PPB		PPB		PPB		PPB		PPM		PPB		PPB	
6012	1	50	2	12	2	470	1	18	1	7.1	1	3.6	1	17	2	15	1	18	3
6013	2	30	1	9	2	400	1	23	1	10.7	2	3.8	1	9	1	16	1	9	1
6014	2	12	1	7	1	350	1	14	1	6.6	1	2.1	1	6	1	8	1	2	1
6015	4	29	1	11	2	610	2	20	1	9.7	1	3.6	1	10	1	14	1	9	1
6016	4	21	1	11	2	620	2	18	1	7.9	1	2.8	1	13	2	12	1	5	1
6017	4	36	2	14	3	600	2	16	1	7.6	1	2.9	1	30	4	12	1	11	2
6018	4	13	1	5	1	210	1	13	1	6.5	1	2	1	6	1	8	1	3	1
6019	4	16	1	19	3	190	1	16	1	7.2	1	2.5	1	7	1	10	1	3	1
6020	4	70	3	2.5	1	250	1	22	1	8.2	1	6.2	2	11	2	23	2	24	4
6021	8	109	5	11	2	990	3	63	4	33.9	5	14.3	5	18	2	61	5	71	11
6022	2	14	1	28	5	290	1	18	1	9.7	1	1.8	1	8	1	8	1	5	1
6023	6	17	1	9	2	460	1	14	1	6.2	1	2.3	1	15	2	9	1	5	1
6024	1	83	4	13	2	400	1	18	1	7.3	1	5.6	2	22	3	20	2	32	5
6025	4	42	2	8	1	450	1	24	2	10.8	2	5.1	2	8	1	22	2	12	2
6026	6	19	1	5	1	590	2	17	1	8.2	1	3.1	1	11	2	13	1	5	1
6027	2	102	5	8	1	530	1	35	2	17.4	2	8.2	3	3	1	33	3	33	5
6028	8	8	1	10	2	1110	3	10	1	5.6	1	1.3	1	47	7	5	1	2	1
6029	4	49	2	11	2	480	1	23	1	10.3	1	5.1	2	10	1	20	2	16	2
6030	6	36	2	14	3	630	2	19	1	8.2	1	3.9	1	14	2	15	1	12	2
6031	6	34	2	21	4	670	2	18	1	7.5	1	3.5	1	12	2	14	1	12	2
6032	4	44	2	10	2	540	1	22	1	9.3	1	4.5	2	11	2	18	2	14	2
6033	4	66	3	9	2	830	2	25	2	9.9	1	6.6	2	13	2	25	2	22	3
6034	6	13	1	10	2	540	1	17	1	8.2	1	2.4	1	7	1	10	1	2	1
6035	4	17	1	8	1	560	2	21	1	9.8	1	3.1	1	6	1	14	1	3	1
6036	6	39	2	15	3	10100	28	77	5	40	6	12.4	4	4	1	57	5	22	3
6037	6	70	3	31	6	1960	5	46	3	20.8	3	8.9	3	36	5	36	3	26	4
6038	6	66	3	15	3	780	2	30	2	12.4	2	7	2	13	2	27	2	20	3
6039	6	36	2	11	2	1210	3	27	2	12.5	2	5.9	2	6	1	23	2	12	2
6040	20	52	2	38	7	460	1	42	3	20.3	3	9.1	3	17	2	38	3	20	3
6041	6	275	12	26	5	6070	17	370	24	165	23	76.1	27	8	1	318	28	191	28
6042	4	108	5	83	15	8990	25	195	13	126	18	37.6	13	24	3	191	17	262	39
6043	14	20	1	9	2	6740	19	161	10	109	15	20.8	7	18	2	121	11	83	12
6044	12	10	1	7	1	460	1	18	1	8.9	1	2.6	1	6	1	11	1	3	1
6045	4	63	3	6	1	520	1	24	2	10.2	1	6.2	2	11	2	24	2	21	3
6046	4	10	1	5	1	640	2	14	1	7.5	1	1.6	1	23	3	7	1	3	1
6047	6	22	1	6	1	590	2	18	1	8.5	1	3	1	9	1	12	1	6	1
6048	4	54	2	49	9	2590	7	25	2	11.8	2	7	2	30	4	25	2	20	3
6049	2	35	2	6	1	730	2	19	1	8.1	1	4.2	1	15	2	16	1	11	2
6050	4	10	1	6	1	510	1	16	1	8.1	1	1.9	1	12	2	8	1	2	1
6051	2	52	2	12	2	600	2	21	1	8.4	1	5.2	2	14	2	20	2	18	3
6052	4	13	1	9	2	330	1	15	1	7.1	1	2.1	1	19	3	9	1	3	1
6053	2	84	4	9	2	1440	4	36	2	15.2	2	8.2	3	18	2	32	3	32	5
6054	12	20	1	17	3	930	3	33	2	15.6	2	4.8	2	22	3	21	2	5	1
25th PERCENTILE	5		37		9		490		20		8.9		4.3		11		17		14
BACKGROUND	5		22.13514		5.597222		363.5135		15.37838		7.102703		2.830556		7.212121		11.22222		6.75

Analyte	Li	LiRR	Mg	MgRR	Mo	MoRR	Nb	NbRR	Nd	NdRR	Ni	NiRR	Pb	PbRR	Pd	PdRR	Pr	PrRR	Rb
Method	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Detection	5		1		5		0.5		1		5		10		1		1		5
Units	PPB		PPM		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB
500	2.5	1	0.5	1	2.5	1	11.8	17	77	4	16	3	80	7	1	2	16	4	105
502	2.5	1	0.5	1	7	3	6.1	9	79	4	9	2	20	2	0.5	1	17	4	111
503	2.5	1	0.5	1	26	10	24	34	419	22	7	1	90	8	1	2	80	20	110
504	2.5	1	0.5	1	70	28	28.5	41	121	6	6	1	100	9	1	2	27	7	175
505	2.5	1	0.5	1	10	4	8.3	12	139	7	17	3	70	6	0.5	1	28	7	125
506	2.5	1	0.5	1	13	5	14.2	20	128	7	6	1	1140	102	0.5	1	27	7	169
507	2.5	1	0.5	1	31	12	7.3	10	141	7	6	1	170	15	0.5	1	27	7	236
508	2.5	1	0.5	1	17	7	13.2	19	134	7	9	2	310	28	0.5	1	24	6	226
509	2.5	1	0.5	1	11	4	4.6	7	57	3	14	3	5070	452	0.5	1	11	3	110
510	2.5	1	0.5	1	2.5	1	23.3	33	102	5	5	1	40	4	2	4	22	6	175
512	2.5	1	0.5	1	11	4	10.3	15	162	8	6	1	70	6	2	4	34	9	213
513	2.5	1	0.5	1	2.5	1	1.4	2	140	7	13	2	10	1	0.5	1	27	7	15
514	2.5	1	0.5	1	9	4	6.1	9	201	10	15	3	210	19	1	2	39	10	122
515	2.5	1	0.5	1	2.5	1	1.4	2	131	7	60	11	380	34	0.5	1	23	6	84
516	2.5	1	0.5	1	2.5	1	1.4	2	54	3	47	9	160	14	0.5	1	9	2	60
517	2.5	1	0.5	1	2.5	1	3	4	90	5	19	4	370	33	0.5	1	17	4	55
518	2.5	1	0.5	1	2.5	1	2.8	4	176	9	27	5	470	42	0.5	1	34	9	112
519	2.5	1	0.5	1	2.5	1	2.5	4	138	7	16	3	60	5	0.5	1	24	6	84
520	2.5	1	0.5	1	10	4	9.8	14	82	4	8	2	30	3	2	4	17	4	136
521	2.5	1	0.5	1	5	2	6	9	57	3	14	3	150	13	0.5	1	11	3	125
600	2.5	1	0.5	1	2.5	1	1.1	2	215	11	16	3	10	1	0.5	1	40	10	64
601	2.5	1	0.5	1	2.5	1	4.4	6	141	7	6	1	80	7	0.5	1	27	7	176
602	2.5	1	0.5	1	2.5	1	2.3	3	79	4	14	3	10	1	0.5	1	13	3	27
603	2.5	1	0.5	1	2.5	1	6	9	86	4	33	6	30	3	0.5	1	15	4	19
604	2.5	1	0.5	1	2.5	1	4.2	6	45	2	27	5	20	2	0.5	1	8	2	15
605	2.5	1	0.5	1	2.5	1	2.3	3	39	2	17	3	10	1	0.5	1	7	2	17
606	2.5	1	0.5	1	2.5	1	2.9	4	42	2	17	3	70	6	0.5	1	8	2	118
607	2.5	1	0.5	1	2.5	1	1.9	3	36	2	10	2	480	43	0.5	1	6	2	224
608	2.5	1	0.5	1	2.5	1	3.2	5	30	2	8	2	310	28	0.5	1	6	2	228
609	2.5	1	0.5	1	2.5	1	1	1	26	1	14	3	20	2	0.5	1	4	1	62
610	2.5	1	0.5	1	2.5	1	1.4	2	103	5	2.5	1	60	5	0.5	1	16	4	136
612	2.5	1	0.5	1	2.5	1	3.6	5	18	1	68	13	100	9	0.5	1	3	1	133
613	2.5	1	0.5	1	2.5	1	0.25	1	873	45	20	4	180	16	0.5	1	153	39	130
614	2.5	1	0.5	1	2.5	1	4	6	121	6	49	9	150	13	0.5	1	20	5	146
615	2.5	1	0.5	1	5	2	3.4	5	75	4	44	8	60	5	0.5	1	12	3	77
616	2.5	1	0.5	1	7	3	3.1	4	190	10	16	3	50	4	0.5	1	33	8	91
617	2.5	1	0.5	1	2.5	1	1.7	2	25	1	39	7	50	4	0.5	1	4	1	58
525	2.5	1	0.5	1	8	3	13.2	19	63	3	45	9	170	15	2	4	14	4	147
526	2.5	1	0.5	1	17	7	5	7	68	4	20	4	250	22	1	2	16	4	161
527	2.5	1	0.5	1	25	10	3.5	5	176	9	10	2	70	6	0.5	1	43	11	172
528	2.5	1	0.5	1	22	9	11.2	16	92	5	16	3	290	26	1	2	23	6	174
529	2.5	1	0.5	1	14	6	18.8	27	146	8	7	1	190	17	3	6	33	8	171
530	2.5	1	0.5	1	26	10	9.2	13	154	8	5	1	370	33	0.5	1	29	7	159
531	2.5	1	0.5	1	11	4	3.1	4	128	7	2.5	1	280	25	0.5	1	26	7	223
532	2.5	1	0.5	1	14	6	11	16	87	5	22	4	440	39	1	2	19	5	155
533	2.5	1	0.5	1	6	2	4.3	6	83	4	21	4	350	31	0.5	1	17	4	160
534	2.5	1	0.5	1	6	2	3.1	4	55	3	14	3	150	13	0.5	1	11	3	166
535	2.5	1	0.5	1	12	5	12.4	18	78	4	9	2	150	13	4	8	17	4	219
536	2.5	1	0.5	1	30	12	4.8	7	229	12	7	1	170	15	1	2	49	13	205
537	2.5	1	0.5	1	13	5	0.5	1	161	8	7	1	130	12	0.5	1	37	9	30
538	2.5	1	1	2	2.5	1	5.1	7	270	14	8	2	180	16	1	2	60	15	65
539	2.5	1	0.5	1	8	3	9.9	14	126	7	27	5	110	10	1	2	26	7	70
540	2.5	1	0.5	1	10	4	1.3	2	365	19	12	2	350	31	0.5	1	76	19	187

Analyte	Li	LiRR	Mg	MgRR	Mo	MoRR	Nb	NbRR	Nd	NdRR	Ni	NiRR	Pb	PbRR	Pd	PdRR	Pr	PrRR	Rb
Method	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Detection	5		1		5		0.5		1		5		10		1		1		5
Units	PPB		PPM		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB
541	2.5	1	0.5	1	13	5	2.3	3	323	17	6	1	200	18	0.5	1	69	18	137
542	2.5	1	0.5	1	9	4	5.9	8	165	9	11	2	110	10	0.5	1	39	10	198
543	2.5	1	0.5	1	9	4	3.6	5	59	3	13	2	130	12	0.5	1	13	3	104
544	2.5	1	0.5	1	6	2	6.2	9	134	7	2.5	1	130	12	0.5	1	31	8	171
545	2.5	1	0.5	1	2.5	1	0.8	1	235	12	6	1	240	21	0.5	1	53	14	136
546	2.5	1	0.5	1	2.5	1	0.7	1	336	17	2.5	1	110	10	0.5	1	73	19	169
547	2.5	1	0.5	1	10	4	6.3	9	183	9	8	2	170	15	0.5	1	40	10	166
548	2.5	1	0.5	1	2.5	1	2.8	4	388	20	15	3	340	30	0.5	1	92	24	134
549	2.5	1	0.5	1	9	4	5.1	7	125	6	7	1	70	6	1	2	29	7	165
550	2.5	1	0.5	1	10	4	5.8	8	170	9	13	2	150	13	1	2	39	10	243
551	2.5	1	0.5	1	2.5	1	2.2	3	182	9	7	1	120	11	0.5	1	39	10	185
552	2.5	1	0.5	1	5	2	8.6	12	142	7	15	3	320	29	1	2	30	8	159
553	2.5	1	0.5	1	6	2	10.1	14	111	6	17	3	100	9	1	2	22	6	92
554	2.5	1	0.5	1	6	2	13.8	20	100	5	17	3	130	12	1	2	20	5	91
555	2.5	1	0.5	1	11	4	1.9	3	177	9	2.5	1	50	4	0.5	1	43	11	150
556	2.5	1	0.5	1	45	18	37.9	54	109	6	2.5	1	60	5	0.5	1	24	6	104
557	2.5	1	1	2	136	54	20.6	29	916	47	2.5	1	150	13	0.5	1	225	57	119
558	2.5	1	0.5	1	14	6	8	11	125	6	15	3	230	21	0.5	1	32	8	98
559	2.5	1	0.5	1	16	6	5.8	8	23	1	14	3	570	51	0.5	1	5	1	82
560	2.5	1	0.5	1	7	3	3.7	5	14	1	37	7	260	23	0.5	1	3	1	101
561	2.5	1	0.5	1	19	8	9.3	13	80	4	8	2	70	6	0.5	1	21	5	128
562	2.5	1	0.5	1	19	8	9.9	14	14	1	17	3	230	21	0.5	1	4	1	120
563	2.5	1	0.5	1	15	6	11.1	16	77	4	10	2	170	15	0.5	1	18	5	158
564	2.5	1	1	2	38	15	21.2	30	116	6	6	1	280	25	0.5	1	28	7	198
565	2.5	1	0.5	1	11	4	6.5	9	12	1	16	3	240	21	0.5	1	3	1	88
566	2.5	1	0.5	1	12	5	5.1	7	67	3	22	4	280	25	0.5	1	14	4	166
567	2.5	1	0.5	1	2.5	1	2.2	3	776	40	27	5	740	66	0.5	1	156	40	158
568	2.5	1	0.5	1	5	2	14.6	21	107	6	18	3	70	6	0.5	1	26	7	366
569	2.5	1	0.5	1	5	2	3	4	225	12	8	2	4000	357	0.5	1	48	12	174
570	5	2	0.5	1	19	8	93.4	133	346	18	11	2	270	24	7	14	79	20	162
571	2.5	1	0.5	1	11	4	12.2	17	45	2	21	4	470	42	1	2	10	3	160
572	2.5	1	0.5	1	26	10	13.7	19	94	5	2.5	1	120	11	0.5	1	22	6	187
573	2.5	1	0.5	1	79	32	43.9	62	73	4	2.5	1	30	3	0.5	1	13	3	110
574	2.5	1	3	6	245	98	86.1	123	104	5	2.5	1	450	40	0.5	1	25	6	147
575	2.5	1	2	4	105	42	42.6	61	197	10	2.5	1	470	42	0.5	1	51	13	148
576	2.5	1	7	14	260	104	131	186	180	9	10	2	860	77	1	2	47	12	176
577	2.5	1	0.5	1	139	56	69.5	99	57	3	10	2	510	46	0.5	1	15	4	231
578	2.5	1	0.5	1	17	7	3.1	4	270	14	2.5	1	220	20	0.5	1	53	14	186
579	2.5	1	0.5	1	2.5	1	9.7	14	401	21	7	1	80	7	0.5	1	83	21	131
580	2.5	1	0.5	1	8	3	7.7	11	165	9	22	4	540	48	1	2	37	9	162
581	2.5	1	0.5	1	9	4	6.7	10	438	23	16	3	410	37	0.5	1	98	25	118
6000	2.5	1	0.5	1	2.5	1	1.6	2	18	1	38	7	30	3	0.5	1	4	1	50
6001	2.5	1	0.5	1	2.5	1	2.6	4	30	2	48	9	120	11	0.5	1	7	2	117
6002	2.5	1	0.5	1	2.5	1	1	1	27	1	23	4	170	15	0.5	1	6	2	84
6003	2.5	1	0.5	1	2.5	1	1.8	3	51	3	11	2	90	8	0.5	1	11	3	107
6004	2.5	1	0.5	1	2.5	1	1.4	2	23	1	22	4	10	1	0.5	1	5	1	49
6005	2.5	1	0.5	1	2.5	1	4	6	69	4	10	2	90	8	0.5	1	16	4	129
6006	2.5	1	6	12	10	4	10.8	15	697	36	7	1	50	4	0.5	1	159	41	86
6007	2.5	1	0.5	1	8	3	2.4	3	197	10	2.5	1	170	15	0.5	1	45	11	135
6008	2.5	1	0.5	1	2.5	1	2.1	3	25	1	34	6	90	8	0.5	1	6	2	76
6009	2.5	1	0.5	1	2.5	1	0.6	1	12	1	28	5	20	2	0.5	1	3	1	73
6010	2.5	1	0.5	1	2.5	1	1.2	2	24	1	18	3	190	17	0.5	1	5	1	124
6011	2.5	1	0.5	1	2.5	1	2.2	3	55	3	10	2	170	15	0.5	1	13	3	126

Analyte	Li	LiRR	Mg	MgRR	Mo	MoRR	Nb	NbRR	Nd	NdRR	Ni	NiRR	Pb	PbRR	Pd	PdRR	Pr	PrRR	Rb
Method	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Detection	5		1		5		0.5		1		5		10		1		1		5
Units	PPB		PPM		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB
6012	2.5	1	0.5	1	2.5	1	3.1	4	32	2	18	3	30	3	0.5	1	8	2	97
6013	2.5	1	0.5	1	2.5	1	1.4	2	28	1	19	4	5	1	0.5	1	6	2	14
6014	2.5	1	0.5	1	2.5	1	0.5	1	11	1	22	4	40	4	0.5	1	2	1	79
6015	2.5	1	0.5	1	2.5	1	1.2	2	27	1	29	6	10	1	0.5	1	6	2	12
6016	2.5	1	0.5	1	2.5	1	1.1	2	18	1	54	10	30	3	0.5	1	4	1	24
6017	2.5	1	0.5	1	2.5	1	5.2	7	22	1	24	5	5	1	0.5	1	5	1	13
6018	2.5	1	0.5	1	2.5	1	0.7	1	11	1	28	5	160	14	0.5	1	2	1	123
6019	2.5	1	0.5	1	2.5	1	0.25	1	16	1	28	5	5	1	0.5	1	3	1	15
6020	2.5	1	0.5	1	2.5	1	0.9	1	59	3	18	3	60	5	0.5	1	14	4	132
6021	2.5	1	5	10	2.5	1	0.25	1	122	6	49	9	120	11	0.5	1	26	7	50
6022	2.5	1	0.5	1	2.5	1	0.7	1	10	1	22	4	60	5	0.5	1	2	1	68
6023	2.5	1	0.5	1	2.5	1	1	1	14	1	23	4	5	1	0.5	1	3	1	16
6024	2.5	1	0.5	1	2.5	1	2.6	4	58	3	15	3	70	6	0.5	1	14	4	109
6025	2.5	1	0.5	1	2.5	1	0.8	1	45	2	21	4	5	1	0.5	1	9	2	11
6026	2.5	1	0.5	1	2.5	1	0.6	1	20	1	22	4	5	1	0.5	1	4	1	22
6027	2.5	1	0.5	1	2.5	1	0.25	1	93	5	19	4	5	1	0.5	1	21	5	13
6028	2.5	1	0.5	1	2.5	1	0.8	1	6	1	31	6	80	7	0.5	1	1	1	89
6029	2.5	1	0.5	1	2.5	1	1.3	2	43	2	23	4	30	3	0.5	1	9	2	23
6030	2.5	1	0.5	1	2.5	1	1.9	3	32	2	23	4	10	1	0.5	1	7	2	24
6031	2.5	1	0.5	1	2.5	1	1.7	2	25	1	20	4	180	16	0.5	1	6	2	101
6032	2.5	1	0.5	1	2.5	1	1.3	2	39	2	20	4	90	8	0.5	1	9	2	79
6033	2.5	1	0.5	1	2.5	1	1.3	2	61	3	19	4	10	1	0.5	1	14	4	35
6034	2.5	1	0.5	1	2.5	1	0.5	1	13	1	22	4	240	21	0.5	1	3	1	79
6035	2.5	1	0.5	1	2.5	1	0.25	1	19	1	18	3	5	1	0.5	1	4	1	43
6036	2.5	1	0.5	1	2.5	1	0.25	1	82	4	18	3	40	4	0.5	1	15	4	63
6037	2.5	1	0.5	1	8	3	1.1	2	68	4	47	9	90	8	0.5	1	14	4	113
6038	2.5	1	0.5	1	2.5	1	2.2	3	57	3	36	7	20	2	0.5	1	12	3	32
6039	2.5	1	0.5	1	2.5	1	0.7	1	44	2	28	5	20	2	0.5	1	9	2	37
6040	2.5	1	4	8	2.5	1	0.25	1	80	4	43	8	10	1	0.5	1	16	4	19
6041	2.5	1	0.5	1	2.5	1	1.6	2	621	32	20	4	30	3	0.5	1	125	32	39
6042	2.5	1	0.5	1	2.5	1	3	4	357	18	22	4	70	6	0.5	1	79	20	61
6043	2.5	1	1	2	2.5	1	0.9	1	168	9	83	16	20	2	0.5	1	32	8	58
6044	2.5	1	0.5	1	2.5	1	0.25	1	13	1	37	7	5	1	0.5	1	3	1	46
6045	2.5	1	0.5	1	2.5	1	0.7	1	57	3	18	3	110	10	0.5	1	13	3	132
6046	2.5	1	0.5	1	2.5	1	0.9	1	8	1	25	5	30	3	0.5	1	2	1	45
6047	2.5	1	0.5	1	2.5	1	0.9	1	19	1	24	5	5	1	0.5	1	4	1	28
6048	2.5	1	0.5	1	2.5	1	0.7	1	47	2	30	6	2000	178	0.5	1	10	3	51
6049	2.5	1	0.5	1	2.5	1	0.9	1	33	2	18	3	270	24	0.5	1	7	2	148
6050	2.5	1	0.5	1	2.5	1	0.5	1	10	1	26	5	5	1	0.5	1	2	1	34
6051	2.5	1	0.5	1	2.5	1	2.2	3	43	2	14	3	20	2	0.5	1	10	3	30
6052	2.5	1	0.5	1	2.5	1	1.3	2	12	1	25	5	100	9	0.5	1	3	1	87
6053	2.5	1	0.5	1	2.5	1	6.9	10	71	4	14	3	40	4	0.5	1	16	4	78
6054	2.5	1	0.5	1	2.5	1	1	1	28	1	34	6	20	2	0.5	1	5	1	21
25th PERCENTILE		2.5		0.5		2.5		1.3		33		9		30		0.5		7	
BACKGROUND		2.5		0.5		2.5		0.702703		19.32432		5.256757		11.2069		0.5		3.914286	

Analyte	RbRR	Sb	SbRR	Sc	ScRR	Sm	SmRR	Sn	SnRR	Sr	SrRR	Ta	TaRR	Tb	TbRR	Te	TeRR	Th	ThRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		1		5		1		1		10		1		1		10		0.5	
Units		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB	
500	3	0.5	1	35	1	22	3	0.5	1	5	1	2	4	4	2	5	1	10.1	6
502	4	4	8	38	2	24	3	0.5	1	5	1	0.5	1	5	3	5	1	11.8	7
503	4	13	26	37	1	122	17	1	2	10	2	2	4	19	11	5	1	11.6	7
504	6	7	14	40	2	33	5	2	4	10	2	2	4	5	3	5	1	16.9	10
505	4	8	16	45	2	38	5	0.5	1	5	1	0.5	1	6	3	5	1	8.1	5
506	5	6	12	46	2	36	5	1	2	10	2	1	2	6	3	5	1	8.5	5
507	8	3	6	68	3	42	6	0.5	1	10	2	0.5	1	6	3	5	1	4.8	3
508	7	6	12	66	3	42	6	0.5	1	10	2	0.5	1	6	3	5	1	4.5	3
509	4	3	6	29	1	18	3	0.5	1	5	1	0.5	1	3	2	5	1	5.8	4
510	6	2	4	36	1	28	4	0.5	1	10	2	2	4	5	3	5	1	17	10
512	7	2	4	77	3	44	6	0.5	1	20	4	2	4	7	4	5	1	10.5	6
513	1	2	4	81	3	40	6	0.5	1	5	1	0.5	1	7	4	5	1	4.8	3
514	4	2	4	97	4	55	8	0.5	1	20	4	0.5	1	10	6	5	1	12.6	8
515	3	0.5	1	40	2	41	6	0.5	1	5	1	0.5	1	10	6	5	1	3.9	2
516	2	1	2	58	2	18	3	0.5	1	10	2	0.5	1	5	3	5	1	2.8	2
517	2	1	2	52	2	27	4	0.5	1	5	1	0.5	1	6	3	5	1	9	6
518	4	0.5	1	37	1	49	7	0.5	1	10	2	0.5	1	9	5	5	1	5.1	3
519	3	0.5	1	15	1	40	6	0.5	1	10	2	0.5	1	10	6	5	1	1.6	1
520	4	2	4	35	1	24	3	0.5	1	5	1	0.5	1	4	2	5	1	15.9	10
521	4	0.5	1	33	1	19	3	0.5	1	5	1	0.5	1	4	2	5	1	7.7	5
600	2	0.5	1	93	4	64	9	0.5	1	10	2	0.5	1	16	9	5	1	2.1	1
601	6	0.5	1	91	4	42	6	0.5	1	10	2	0.5	1	8	4	5	1	6	4
602	1	0.5	1	83	3	25	3	0.5	1	10	2	0.5	1	7	4	5	1	2.6	2
603	1	0.5	1	47	2	28	4	0.5	1	20	4	0.5	1	7	4	5	1	3.5	2
604	1	0.5	1	60	2	16	2	0.5	1	10	2	0.5	1	5	3	5	1	3.6	2
605	1	0.5	1	53	2	14	2	0.5	1	10	2	0.5	1	4	2	5	1	3.5	2
606	4	0.5	1	44	2	15	2	0.5	1	20	4	0.5	1	4	2	5	1	3.1	2
607	7	0.5	1	48	2	13	2	0.5	1	5	1	0.5	1	4	2	5	1	2.9	2
608	7	0.5	1	34	1	12	2	0.5	1	5	1	0.5	1	3	2	5	1	5.5	3
609	2	0.5	1	59	2	12	2	0.5	1	5	1	0.5	1	5	3	5	1	1.4	1
610	4	0.5	1	140	6	34	5	0.5	1	5	1	0.5	1	8	4	5	1	2.4	1
612	4	0.5	1	47	2	7	1	0.5	1	5	1	0.5	1	3	2	5	1	4.5	3
613	4	0.5	1	66	3	283	39	0.5	1	20	4	0.5	1	51	29	5	1	1.4	1
614	5	0.5	1	81	3	42	6	0.5	1	30	6	0.5	1	13	7	5	1	8.7	5
615	2	0.5	1	45	2	25	3	0.5	1	30	6	0.5	1	12	7	5	1	2.9	2
616	3	0.5	1	123	5	66	9	0.5	1	5	1	0.5	1	18	10	5	1	7.2	4
617	2	0.5	1	45	2	10	1	0.5	1	20	4	0.5	1	4	2	5	1	1.6	1
525	5	1	2	43	2	19	3	0.5	1	10	2	1	2	5	3	5	1	16.5	10
526	5	2	4	53	2	20	3	0.5	1	5	1	0.5	1	4	2	5	1	13.4	8
527	6	2	4	48	2	35	5	0.5	1	20	4	0.5	1	4	2	5	1	6.9	4
528	6	3	6	48	2	25	3	0.5	1	10	2	0.5	1	4	2	5	1	14.7	9
529	6	6	12	52	2	41	6	1	2	5	1	2	4	7	4	5	1	24.2	15
530	5	16	32	47	2	45	6	0.5	1	5	1	0.5	1	7	4	5	1	4.8	3
531	7	0.5	1	47	2	40	6	0.5	1	5	1	0.5	1	6	3	5	1	7	4
532	5	3	6	45	2	26	4	0.5	1	5	1	0.5	1	5	3	5	1	12.4	8
533	5	0.5	1	42	2	24	3	0.5	1	5	1	0.5	1	6	3	5	1	5.8	4
534	5	0.5	1	29	1	16	2	0.5	1	5	1	0.5	1	4	2	5	1	4.2	3
535	7	2	4	54	2	25	3	0.5	1	5	1	1	2	5	3	5	1	24.5	15
536	7	0.5	1	110	4	62	9	0.5	1	5	1	0.5	1	10	6	5	1	12.1	7
537	1	0.5	1	103	4	44	6	0.5	1	50	10	0.5	1	8	4	5	1	6.6	4
538	2	2	4	245	10	71	10	0.5	1	30	6	0.5	1	12	7	5	1	8.6	5
539	2	1	2	86	3	38	5	0.5	1	5	1	0.5	1	8	4	5	1	10.7	7
540	6	0.5	1	107	4	101	14	0.5	1	5	1	0.5	1	19	11	5	1	5.7	3

Analyte	RbRR	Sb	SbRR	Sc	ScRR	Sm	SmRR	Sn	SnRR	Sr	SrRR	Ta	TaRR	Tb	TbRR	Te	TeRR	Th	ThRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		1		5		1		1		10		1		1		10		0.5	
Units		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB	
541	4	0.5	1	58	2	84	12	0.5	1	5	1	0.5	1	14	8	5	1	4.4	3
542	6	0.5	1	44	2	45	6	0.5	1	5	1	0.5	1	8	4	5	1	10.2	6
543	3	1	2	45	2	18	3	0.5	1	5	1	0.5	1	4	2	5	1	15.6	10
544	6	1	2	33	1	35	5	0.5	1	5	1	0.5	1	6	3	5	1	9.5	6
545	4	0.5	1	46	2	58	8	0.5	1	5	1	0.5	1	11	6	5	1	3.6	2
546	5	1	2	52	2	97	14	0.5	1	5	1	0.5	1	17	10	5	1	3.4	2
547	5	2	4	76	3	51	7	0.5	1	30	6	0.5	1	9	5	5	1	8.4	5
548	4	1	2	75	3	94	13	0.5	1	5	1	0.5	1	17	10	5	1	8.6	5
549	5	1	2	81	3	38	5	0.5	1	10	2	0.5	1	7	4	5	1	10.7	7
550	8	2	4	65	3	48	7	0.5	1	10	2	0.5	1	8	4	5	1	13.6	8
551	6	0.5	1	59	2	50	7	0.5	1	5	1	0.5	1	10	6	5	1	6.8	4
552	5	0.5	1	49	2	41	6	0.5	1	5	1	0.5	1	8	4	5	1	12.1	7
553	3	0.5	1	44	2	33	5	0.5	1	5	1	0.5	1	7	4	5	1	14.7	9
554	3	0.5	1	45	2	30	4	0.5	1	5	1	1	2	8	4	5	1	13.5	8
555	5	0.5	1	34	1	42	6	0.5	1	5	1	0.5	1	7	4	5	1	8.8	5
556	3	5	10	29	1	28	4	3	6	90	18	3	6	3	2	30	6	7.5	5
557	4	12	24	18	1	187	26	6	12	350	70	2	4	23	13	20	4	5.2	3
558	3	0.5	1	50	2	31	4	0.5	1	20	4	0.5	1	5	3	5	1	26.1	16
559	3	0.5	1	22	1	6	1	0.5	1	5	1	0.5	1	2	1	5	1	7.5	5
560	3	0.5	1	19	1	4	1	0.5	1	5	1	0.5	1	1	1	5	1	8.8	5
561	4	3	6	38	2	20	3	1	2	20	4	0.5	1	3	2	5	1	9.4	6
562	4	2	4	23	1	4	1	0.5	1	5	1	0.5	1	1	1	5	1	6.5	4
563	5	2	4	27	1	22	3	0.5	1	5	1	0.5	1	4	2	5	1	8.6	5
564	6	6	12	30	1	28	4	2	4	5	1	1	2	4	2	5	1	7.4	5
565	3	0.5	1	18	1	4	1	0.5	1	5	1	0.5	1	2	1	5	1	2.6	2
566	5	0.5	1	32	1	20	3	0.5	1	5	1	0.5	1	5	3	5	1	7.2	4
567	5	0.5	1	89	4	194	27	0.5	1	80	16	0.5	1	40	22	5	1	3.3	2
568	12	0.5	1	37	1	29	4	0.5	1	5	1	0.5	1	6	3	5	1	10.1	6
569	6	2	4	43	2	69	10	0.5	1	30	6	0.5	1	10	6	5	1	4	2
570	5	2	4	81	3	89	12	6	12	5	1	7	14	14	8	5	1	55.6	34
571	5	1	2	22	1	13	2	0.5	1	5	1	1	2	3	2	5	1	8	5
572	6	2	4	39	2	25	3	1	2	20	4	1	2	3	2	5	1	5.6	3
573	4	5	10	28	1	23	3	4	8	40	8	2	4	2	1	10	2	11.7	7
574	5	14	28	34	1	25	3	9	18	50	10	5	10	3	2	20	4	10	6
575	5	9	18	36	1	42	6	6	12	80	16	3	6	5	3	20	4	5.9	4
576	6	36	72	78	3	40	6	17	34	80	16	8	16	5	3	40	8	16.8	10
577	7	50	100	23	1	12	2	9	18	30	6	4	8	2	1	30	6	11	7
578	6	1	2	20	1	72	10	0.5	1	5	1	0.5	1	9	5	5	1	6.5	4
579	4	2	4	78	3	103	14	0.5	1	30	6	0.5	1	12	7	5	1	3.9	2
580	5	1	2	41	2	44	6	0.5	1	5	1	0.5	1	7	4	5	1	11.5	7
581	4	2	4	75	3	114	16	0.5	1	20	4	0.5	1	20	11	5	1	7.3	4
6000	2	0.5	1	41	2	7	1	0.5	1	5	1	0.5	1	3	2	5	1	2.1	1
6001	4	0.5	1	48	2	11	2	0.5	1	5	1	0.5	1	4	2	5	1	3.5	2
6002	3	0.5	1	27	1	10	1	0.5	1	5	1	0.5	1	4	2	5	1	1.9	1
6003	3	0.5	1	35	1	16	2	0.5	1	5	1	0.5	1	4	2	5	1	3.2	2
6004	2	0.5	1	34	1	9	1	0.5	1	5	1	0.5	1	3	2	5	1	2	1
6005	4	0.5	1	60	2	22	3	0.5	1	5	1	0.5	1	5	3	5	1	6.7	4
6006	3	1	2	68	3	176	25	0.5	1	510	102	1	2	35	20	5	1	3.7	2
6007	4	0.5	1	90	4	58	8	0.5	1	30	6	0.5	1	10	6	5	1	6.7	4
6008	2	0.5	1	36	1	10	1	0.5	1	20	4	0.5	1	4	2	5	1	2	1
6009	2	0.5	1	36	1	5	1	0.5	1	20	4	0.5	1	2	1	5	1	1.1	1
6010	4	0.5	1	26	1	9	1	0.5	1	5	1	0.5	1	3	2	5	1	2.6	2
6011	4	0.5	1	37	1	17	2	0.5	1	5	1	0.5	1	5	3	5	1	4.1	3

Analyte	RbRR	Sb	SbRR	Sc	ScRR	Sm	SmRR	Sn	SnRR	Sr	SrRR	Ta	TaRR	Tb	TbRR	Te	TeRR	Th	ThRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		1		5		1		1		10		1		1		10		0.5	
Units		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB	
6012	3	0.5	1	29	1	10	1	0.5	1	5	1	0.5	1	3	2	5	1	4.5	3
6013	1	0.5	1	41	2	10	1	0.5	1	5	1	0.5	1	4	2	5	1	1.7	1
6014	3	0.5	1	20	1	5	1	0.5	1	5	1	0.5	1	2	1	5	1	1.1	1
6015	1	0.5	1	38	2	10	1	0.5	1	5	1	0.5	1	3	2	5	1	2.1	1
6016	1	0.5	1	31	1	7	1	0.5	1	5	1	0.5	1	3	2	5	1	1.8	1
6017	1	0.5	1	33	1	8	1	0.5	1	5	1	0.5	1	3	2	5	1	5.7	3
6018	4	0.5	1	27	1	5	1	0.5	1	5	1	0.5	1	2	1	5	1	1.5	1
6019	1	0.5	1	28	1	6	1	0.5	1	5	1	0.5	1	3	2	5	1	1	1
6020	4	0.5	1	28	1	19	3	0.5	1	20	4	0.5	1	4	2	5	1	2	1
6021	2	0.5	1	40	2	40	6	0.5	1	320	64	0.5	1	12	7	5	1	3.3	2
6022	2	0.5	1	19	1	4	1	0.5	1	10	2	0.5	1	3	2	5	1	1.4	1
6023	1	0.5	1	33	1	6	1	0.5	1	5	1	0.5	1	2	1	5	1	2.2	1
6024	4	0.5	1	34	1	17	2	0.5	1	5	1	0.5	1	4	2	5	1	4.9	3
6025	1	0.5	1	33	1	15	2	0.5	1	5	1	0.5	1	5	3	5	1	1.3	1
6026	1	0.5	1	34	1	8	1	0.5	1	5	1	0.5	1	3	2	5	1	1.4	1
6027	1	0.5	1	51	2	24	3	0.5	1	5	1	0.5	1	7	4	5	1	0.8	1
6028	3	0.5	1	20	1	3	1	0.5	1	5	1	0.5	1	1	1	5	1	3.6	2
6029	1	0.5	1	37	1	14	2	0.5	1	5	1	0.5	1	4	2	5	1	2.2	1
6030	1	0.5	1	30	1	11	2	0.5	1	5	1	0.5	1	3	2	5	1	2.9	2
6031	3	0.5	1	23	1	10	1	0.5	1	5	1	0.5	1	3	2	5	1	3.2	2
6032	3	0.5	1	31	1	13	2	0.5	1	5	1	0.5	1	4	2	5	1	2.4	1
6033	1	0.5	1	37	1	19	3	0.5	1	10	2	0.5	1	5	3	5	1	2.5	2
6034	3	0.5	1	21	1	6	1	0.5	1	5	1	0.5	1	3	2	5	1	1.4	1
6035	1	0.5	1	31	1	8	1	0.5	1	5	1	0.5	1	4	2	5	1	1	1
6036	2	0.5	1	28	1	32	4	0.5	1	5	1	0.5	1	13	7	5	1	1.6	1
6037	4	0.5	1	40	2	23	3	0.5	1	10	2	0.5	1	8	4	5	1	3.5	2
6038	1	0.5	1	50	2	19	3	0.5	1	5	1	0.5	1	6	3	5	1	4	2
6039	1	0.5	1	39	2	15	2	0.5	1	5	1	0.5	1	5	3	5	1	1.7	1
6040	1	0.5	1	38	2	26	4	0.5	1	80	16	0.5	1	8	4	5	1	1.4	1
6041	1	0.5	1	33	1	191	27	0.5	1	10	2	0.5	1	67	38	5	1	2.9	2
6042	2	0.5	1	34	1	95	13	0.5	1	10	2	0.5	1	34	19	5	1	7	4
6043	2	0.5	1	31	1	47	7	0.5	1	80	16	0.5	1	25	14	5	1	2.9	2
6044	1	0.5	1	31	1	6	1	0.5	1	10	2	0.5	1	3	2	5	1	0.9	1
6045	4	0.5	1	34	1	18	3	0.5	1	5	1	0.5	1	5	3	5	1	2.3	1
6046	1	0.5	1	30	1	4	1	0.5	1	5	1	0.5	1	2	1	5	1	2.7	2
6047	1	0.5	1	34	1	7	1	0.5	1	5	1	0.5	1	3	2	5	1	1.8	1
6048	2	0.5	1	96	4	17	2	0.5	1	5	1	0.5	1	5	3	5	1	2.1	1
6049	5	0.5	1	24	1	11	2	0.5	1	5	1	0.5	1	3	2	5	1	2.2	1
6050	1	0.5	1	28	1	5	1	0.5	1	5	1	0.5	1	2	1	5	1	1.5	1
6051	1	0.5	1	34	1	14	2	0.5	1	5	1	0.5	1	4	2	5	1	3.7	2
6052	3	0.5	1	17	1	5	1	0.5	1	5	1	0.5	1	2	1	5	1	1.6	1
6053	3	0.5	1	66	3	23	3	0.5	1	5	1	0.5	1	7	4	5	1	6.5	4
6054	1	0.5	1	37	1	12	2	0.5	1	20	4	0.5	1	6	3	5	1	1.6	1
25th PERCENTILE	61		0.5		32		12		0.5		5		0.5		3		5		2.4
BACKGROUND	31.08108		0.5		25.18919		7.171429		0.5		5		0.5		1.785714		5		1.633333

Analyte	Ti	TiRR	Tl	TlRR	U	URR	W	WRR	Y	YRR	Yb	YbRR	Zn	ZnRR	Zr	ZrRR	CaMgSr	TREE
Method	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5			
Detection	3		0.5		1		1		5		1		20		5			
Units	PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB			
500	1090	5	0.25	1	7	4	1	2	87	1	7	2	90	2	388	14	3	33
502	1240	5	0.25	1	10	5	1	2	100	2	10	2	110	2	349	12	3	38
503	6900	29	0.5	2	8	4	4	8	355	5	38	8	90	2	371	13	4	158
504	7520	31	0.8	3	7	4	4	8	89	1	10	2	80	1	494	17	4	51
505	2510	11	0.25	1	7	4	1	2	118	2	11	2	140	2	225	8	3	52
506	6120	26	0.8	3	6	3	3	6	101	2	14	3	110	2	244	9	4	51
507	3200	13	0.8	3	5	3	2	4	114	2	17	4	100	2	97	3	4	55
508	5170	22	1.1	4	4	2	3	6	123	2	18	4	250	4	68	2	4	52
509	1230	5	0.25	1	5	3	1	2	81	1	9	2	170	3	67	2	3	27
510	4760	20	0.5	2	7	4	3	6	84	1	9	2	80	1	659	23	4	47
512	1130	5	1.3	5	7	4	1	2	137	2	14	3	100	2	403	14	6	67
513	1120	5	0.6	2	7	4	0.5	1	157	2	14	3	230	4	94	3	3	57
514	2340	10	1	4	11	6	1	2	249	4	23	5	530	9	222	8	6	83
515	424	2	1.3	5	5	3	0.5	1	280	4	21	5	880	15	48	2	3	61
516	489	2	0.25	1	4	2	0.5	1	139	2	13	3	780	14	56	2	4	28
517	815	3	0.5	2	9	5	0.5	1	163	2	15	3	950	17	156	6	3	43
518	194	1	0.25	1	4	2	0.5	1	226	3	18	4	270	5	124	4	5	69
519	319	1	0.25	1	3	2	0.5	1	301	5	20	4	110	2	43	2	4	58
520	2260	9	0.25	1	12	7	2	4	83	1	8	2	40	1	432	15	3	36
521	1910	8	0.8	3	7	4	0.5	1	83	1	9	2	50	1	228	8	3	28
600	141	1	0.25	1	6	3	0.5	1	379	6	29	6	150	3	49	2	4	93
601	1780	7	0.6	2	4	2	0.5	1	159	2	14	3	240	4	157	6	4	60
602	350	1	0.25	1	5	3	0.5	1	214	3	18	4	460	8	82	3	4	37
603	789	3	0.25	1	5	3	0.5	1	207	3	15	3	1320	23	112	4	6	40
604	1130	5	0.25	1	4	2	0.5	1	132	2	11	2	390	7	125	4	4	23
605	1040	4	0.25	1	4	2	0.5	1	87	1	7	2	300	5	101	4	4	21
606	804	3	0.7	3	3	2	0.5	1	101	2	8	2	710	12	105	4	6	22
607	549	2	1.5	6	4	2	0.5	1	116	2	11	2	220	4	73	3	3	22
608	1240	5	0.7	3	4	2	0.5	1	71	1	6	1	220	4	120	4	3	17
609	401	2	0.25	1	3	2	0.5	1	134	2	12	3	320	6	44	2	3	20
610	1050	4	0.25	1	6	3	0.5	1	255	4	22	5	150	3	63	2	3	46
612	1630	7	0.25	1	5	3	0.5	1	70	1	7	2	160	3	130	5	3	13
613	32	1	1	4	3	2	1	2	1130	17	164	37	920	16	16	1	9	356
614	2580	11	0.7	3	7	4	0.5	1	932	14	40	9	2010	35	212	8	9	73
615	840	4	0.5	2	5	3	0.5	1	614	9	27	6	2300	40	70	2	9	52
616	779	3	0.6	2	9	5	0.5	1	605	9	47	11	290	5	171	6	3	105
617	999	4	0.25	1	3	2	0.5	1	93	1	8	2	720	13	50	2	6	17
525	878	4	0.6	2	10	5	0.5	1	119	2	10	2	170	3	501	18	4	33
526	1160	5	0.8	3	7	4	2	4	74	1	6	1	100	2	209	7	3	33
527	910	4	0.8	3	5	3	1	2	118	2	10	2	80	1	108	4	6	67
528	2890	12	0.8	3	7	4	2	4	87	1	8	2	80	1	237	8	4	45
529	2310	10	0.7	3	9	5	2	4	176	3	17	4	70	1	751	27	3	66
530	4200	18	0.7	3	4	2	3	6	220	3	21	5	110	2	67	2	3	58
531	613	3	0.6	2	6	3	0.5	1	108	2	14	3	70	1	192	7	3	52
532	3390	14	0.7	3	5	3	2	4	98	2	11	2	150	3	218	8	3	43
533	605	3	0.6	2	6	3	0.5	1	200	3	17	4	140	2	133	5	3	40
534	1000	4	0.25	1	6	3	0.5	1	133	2	11	2	60	1	61	2	3	26
535	1590	7	0.6	2	9	5	0.5	1	108	2	10	2	100	2	737	26	3	39
536	1470	6	1	4	9	5	0.5	1	262	4	19	4	100	2	246	9	3	90
537	251	1	0.8	3	6	3	0.5	1	183	3	16	4	380	7	156	6	12	72
538	5680	24	1.3	5	7	4	0.5	1	269	4	19	4	230	4	313	11	9	116
539	2700	11	0.6	2	9	5	0.5	1	191	3	13	3	450	8	299	11	3	56
540	693	3	0.8	3	9	5	0.5	1	567	9	42	9	240	4	78	3	3	148

Analyte	Tl	TlRR	Tl	TlRR	U	URR	W	WRR	Y	YRR	Yb	YbRR	Zn	ZnRR	Zr	ZrRR	CaMgSr	TREE
Method	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5			
Detection	3		0.5		1		1		5		1		20		5			
Units	PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB			
541	789	3	0.5	2	4	2	0.5	1	321	5	30	7	180	3	54	2	3	121
542	1360	6	1.3	5	8	4	0.5	1	176	3	15	3	180	3	181	6	3	76
543	926	4	0.25	1	7	4	0.5	1	93	1	9	2	140	2	178	6	3	30
544	1530	6	0.9	4	6	3	0.5	1	154	2	12	3	70	1	189	7	3	61
545	185	1	0.9	4	7	4	0.5	1	384	6	33	7	40	1	62	2	3	104
546	161	1	0.8	3	6	3	0.5	1	424	7	40	9	10	1	77	3	3	143
547	2200	9	1	4	7	4	1	2	204	3	19	4	130	2	133	5	8	79
548	645	3	1	4	11	6	0.5	1	527	8	48	11	140	2	159	6	3	187
549	934	4	1	4	8	4	0.5	1	131	2	12	3	60	1	277	10	4	59
550	2530	11	1	4	11	6	1	2	184	3	20	4	170	3	329	12	4	73
551	703	3	0.7	3	10	5	0.5	1	269	4	24	5	160	3	160	6	3	78
552	735	3	0.6	2	11	6	0.5	1	180	3	15	3	100	2	381	13	3	58
553	1070	4	0.25	1	10	5	0.5	1	188	3	16	4	140	2	421	15	3	49
554	891	4	0.25	1	9	5	0.5	1	220	3	18	4	120	2	416	15	3	47
555	267	1	0.7	3	8	4	0.5	1	152	2	12	3	10	1	159	6	3	72
556	8840	37	1.6	6	2	1	7	14	51	1	4	1	30	1	100	4	20	37
557	13300	56	2	8	2	1	9	18	542	8	39	9	50	1	58	2	74	369
558	963	4	1.1	4	11	6	0.5	1	105	2	9	2	10	1	346	12	6	57
559	1140	5	1.1	4	6	3	1	2	66	1	7	2	20	1	123	4	3	14
560	589	2	1.2	5	3	2	0.5	1	36	1	5	1	110	2	101	4	3	11
561	2580	11	1.5	6	6	3	4	8	64	1	6	1	50	1	134	5	6	39
562	2760	12	1.2	5	4	2	3	6	34	1	4	1	60	1	94	3	3	12
563	2000	8	0.9	4	5	3	2	4	69	1	6	1	50	1	177	6	3	32
564	7670	32	2	8	4	2	9	18	77	1	6	1	80	1	117	4	4	48
565	1210	5	0.9	4	2	1	2	4	59	1	6	1	120	2	56	2	3	11
566	1300	5	1.2	5	4	2	1	2	184	3	12	3	130	2	135	5	3	35
567	946	4	0.5	2	3	2	2	4	2050	31	91	20	3280	57	41	1	23	312
568	5270	22	2.1	8	7	4	2	4	127	2	10	2	170	3	111	4	3	55
569	1020	4	1	4	5	3	0.5	1	149	2	22	5	460	8	112	4	8	93
570	3170	13	1	4	18	10	3	6	269	4	22	5	60	1	2270	80	3	137
571	1590	7	0.6	2	6	3	1	2	82	1	6	1	100	2	180	6	3	22
572	4080	17	0.9	4	4	2	3	6	44	1	6	1	40	1	119	4	6	39
573	13500	57	1.1	4	2	1	20	40	25	1	3	1	60	1	45	2	10	25
574	33300	139	2.2	9	3	2	28	56	48	1	5	1	110	2	148	5	17	41
575	17900	75	1.8	7	3	2	13	26	83	1	7	2	70	1	86	3	21	88
576	51100	214	3.2	13	8	4	45	90	82	1	7	2	290	5	295	10	31	80
577	30900	129	2.1	8	5	3	40	80	33	1	3	1	130	2	147	5	8	29
578	1030	4	1.8	7	3	2	2	4	155	2	19	4	40	1	88	3	3	86
579	3890	16	0.9	4	5	3	2	4	210	3	27	6	110	2	71	3	8	141
580	1510	6	1	4	6	3	0.5	1	158	2	14	3	90	2	256	9	3	67
581	2570	11	1	4	5	3	1	2	600	9	49	11	260	5	106	4	6	192
6000	821	3	0.25	1	3	2	0.5	1	93	1	6	1	160	3	40	1	3	12
6001	1290	5	0.25	1	4	2	0.5	1	100	2	7	2	140	2	79	3	3	20
6002	350	1	0.25	1	2	1	0.5	1	97	1	6	1	110	2	27	1	3	13
6003	856	4	0.25	1	4	2	0.5	1	104	2	7	2	80	1	63	2	3	24
6004	815	3	0.25	1	3	2	0.5	1	98	2	6	1	110	2	41	1	3	12
6005	2490	10	0.25	1	4	2	0.5	1	109	2	7	2	100	2	149	5	3	36
6006	5720	24	0.25	1	2	1	2	4	1270	19	66	15	300	5	50	2	126	284
6007	1180	5	0.25	1	7	4	0.5	1	203	3	17	4	60	1	120	4	8	79
6008	603	3	0.25	1	3	2	0.5	1	103	2	6	1	290	5	45	2	6	13
6009	229	1	0.25	1	2	1	0.5	1	76	1	6	1	170	3	21	1	6	11
6010	367	2	0.25	1	3	2	0.5	1	74	1	5	1	180	3	50	2	3	12
6011	1110	5	0.25	1	4	2	0.5	1	97	1	7	2	100	2	81	3	3	27

Analyte	Ti	TiRR	Tl	TlRR	U	URR	W	WRR	Y	YRR	Yb	YbRR	Zn	ZnRR	Zr	ZrRR	CaMgSr	TREE
Method	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5			
Detection	3		0.5		1		1		5		1		20		5			
Units	PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB			
6012	779	3	0.25	1	4	2	0.5	1	71	1	5	1	110	2	90	3	3	17
6013	1030	4	0.25	1	3	2	0.5	1	111	2	7	2	120	2	47	2	3	15
6014	193	1	0.25	1	2	1	0.5	1	67	1	4	1	140	2	19	1	3	11
6015	784	3	0.25	1	3	2	0.5	1	101	2	7	2	140	2	43	2	3	14
6016	458	2	0.25	1	3	2	0.5	1	82	1	6	1	170	3	33	1	3	12
6017	2510	11	0.25	1	5	3	0.5	1	71	1	5	1	130	2	133	5	3	14
6018	298	1	0.25	1	2	1	0.5	1	60	1	4	1	240	4	22	1	3	11
6019	139	1	0.25	1	2	1	0.5	1	71	1	5	1	350	6	16	1	3	12
6020	375	2	0.25	1	2	1	0.5	1	96	1	5	1	570	10	34	1	7	26
6021	128	1	0.25	1	5	3	0.5	1	445	7	22	5	2140	37	34	1	118	66
6022	133	1	0.25	1	1	1	0.5	1	87	1	6	1	150	3	23	1	4	12
6023	520	2	0.25	1	3	2	0.5	1	58	1	4	1	190	3	40	1	3	11
6024	1030	4	0.25	1	3	2	0.5	1	77	1	5	1	140	2	94	3	3	27
6025	259	1	0.25	1	3	2	0.5	1	127	2	7	2	160	3	24	1	3	23
6026	298	1	0.25	1	4	2	0.5	1	86	1	6	1	190	3	25	1	3	12
6027	165	1	0.25	1	3	2	0.5	1	208	3	12	3	130	2	15	1	3	40
6028	212	1	0.25	1	3	2	0.5	1	50	1	4	1	340	6	30	1	3	11
6029	841	4	0.25	1	4	2	0.5	1	110	2	7	2	200	3	48	2	3	20
6030	1040	4	0.25	1	5	3	0.5	1	82	1	6	1	270	5	63	2	3	17
6031	601	3	0.25	1	4	2	0.5	1	72	1	5	1	230	4	47	2	3	15
6032	590	2	0.25	1	3	2	0.5	1	92	1	6	1	320	6	42	1	3	19
6033	866	4	0.25	1	4	2	0.5	1	116	2	6	1	510	9	52	2	4	27
6034	104	1	0.25	1	2	1	0.5	1	81	1	6	1	230	4	18	1	3	12
6035	134	1	0.25	1	3	2	0.5	1	101	2	6	1	260	5	16	1	3	12
6036	105	1	0.25	1	4	2	0.5	1	543	8	25	6	770	13	20	1	3	50
6037	516	2	0.25	1	4	2	0.5	1	229	4	14	3	1000	17	30	1	4	37
6038	522	2	0.25	1	4	2	0.5	1	133	2	9	2	840	15	74	3	3	28
6039	407	2	0.25	1	3	2	0.5	1	144	2	9	2	440	8	29	1	3	23
6040	88	1	0.25	1	1	1	0.5	1	255	4	13	3	2250	39	11	1	30	36
6041	251	1	0.25	1	5	3	1	2	1320	20	110	25	360	6	53	2	4	296
6042	1580	7	0.25	1	7	4	1	2	1700	26	80	18	790	14	102	4	7	193
6043	515	2	0.25	1	5	3	0.5	1	1510	23	61	14	2930	51	40	1	26	108
6044	90	1	0.25	1	2	1	0.5	1	86	1	6	1	830	15	12	1	4	12
6045	417	2	0.25	1	3	2	0.5	1	113	2	7	2	250	4	35	1	3	27
6046	302	1	0.25	1	3	2	0.5	1	66	1	5	1	200	3	29	1	3	11
6047	443	2	0.25	1	3	2	0.5	1	79	1	6	1	250	4	31	1	3	12
6048	225	1	0.25	1	1	1	0.5	1	125	2	9	2	210	4	43	2	3	25
6049	394	2	0.25	1	3	2	0.5	1	88	1	6	1	250	4	34	1	3	17
6050	173	1	0.25	1	3	2	0.5	1	76	1	6	1	260	5	21	1	3	11
6051	1180	5	0.25	1	4	2	0.5	1	88	1	6	1	240	4	85	3	3	21
6052	381	2	0.25	1	2	1	0.5	1	69	1	5	1	210	4	23	1	3	11
6053	1550	6	0.25	1	7	4	0.5	1	152	2	10	2	230	4	161	6	3	36
6054	317	1	0.25	1	3	2	0.5	1	161	2	10	2	550	10	24	1	6	19
25th PERCENTILE		424		0.25		3		0.5		83		6		100		44		
BACKGROUND		238.7838		0.25		1.823529		0.5		65.22222		4.473684		57.1875		28.24324		

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1	1	5	1	5
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB
500	21	259	5	5.7	120	0.5	5	5	101	10	550	25	10.3	6	29	26	42	2.5	0.5	2.5
502	36	273	20	21	150	0.5	5	5	104	25	2240	29	13	7.4	23	29	47	2.5	0.5	7
503	37	169	120	25.6	320	0.5	5	5	371	36	5220	111	50.6	40	122	140	155	2.5	0.5	26
504	44	154	150	32.5	300	1	5	5	174	8	800	29	12.4	8.6	147	33	69	2.5	0.5	70
505	53	226	20	15.4	140	0.5	5	5	172	19	1040	34	15	9.5	48	41	63	2.5	0.5	10
506	82	143	50	36.1	310	2	5	5	164	6	830	33	15.8	8.6	116	37	60	2.5	0.5	13
507	94	115	40	39.9	240	0.5	5	5	142	12	590	35	18.5	12.9	48	42	52	2.5	0.5	31
508	84	165	80	39.1	220	2	5	5	123	14	1980	37	20.5	13.7	89	44	41	2.5	0.5	17
509	72	255	20	55.8	80	0.5	5	10	75	10	2040	22	10.9	6	27	21	29	2.5	0.5	11
510	59	137	10	64.8	220	0.5	5	5	201	54	630	27	11.6	8.3	37	31	57	2.5	0.5	2.5
512	163	133	10	41.5	200	0.5	5	5	209	21	1020	40	17.4	12.1	18	49	99	2.5	0.5	11
513	23	251	10	1.8	70	0.5	5	5	160	19	1830	42	19	12.7	9	48	59	2.5	0.5	2.5
514	93	263	20	9.8	250	0.5	5	20	202	30	3830	61	31.1	16.1	18	69	103	2.5	0.5	9
515	36	256	5	1.9	60	0.5	5	50	123	13	4170	67	31	13.8	12	60	44	2.5	0.5	2.5
516	15	257	10	0.7	50	0.5	5	40	47	23	1190	34	17.8	6	11	27	18	2.5	0.5	2.5
517	15	295	30	0.6	370	0.5	5	10	101	19	1120	43	20.9	8.3	8	38	46	2.5	0.5	2.5
518	8	194	5	0.7	60	0.5	10	10	168	13	630	51	24.2	14.3	11	60	76	2.5	0.5	2.5
519	15	200	5	2.9	50	0.5	5	20	96	8	2410	64	32	14.1	9	60	42	2.5	0.5	2.5
520	15	300	40	13.9	150	0.5	5	5	105	17	860	28	11.3	7.7	45	28	48	2.5	0.5	10
521	8	253	10	1.7	120	0.5	5	5	72	11	420	28	11.2	6.7	16	25	25	2.5	0.5	5
600	29	187	5	2.2	130	0.5	5	20	147	11	1550	105	45.4	22	5	93	79	2.5	0.5	2.5
601	48	273	10	7.6	350	0.5	5	5	165	34	730	44	19.4	13.6	33	52	66	2.5	0.5	2.5
602	7	249	5	0.2	110	0.5	5	20	66	8	610	45	24.5	8.9	11	40	23	2.5	0.5	2.5
603	9	242	5	0.2	160	0.5	5	20	59	21	950	49	22.4	10	14	44	28	2.5	0.5	2.5
604	16	292	5	0.2	110	0.5	5	10	42	13	720	32	15.1	6.1	20	26	16	2.5	0.5	2.5
605	5	300	5	0.1	120	0.5	5	10	40	10	630	24	10.6	5.1	14	21	14	2.5	0.5	2.5
606	8	294	5	1.1	220	0.5	5	20	41	10	980	27	12.1	5.6	15	22	15	2.5	0.5	2.5
607	37	280	5	2.9	170	0.5	5	20	41	15	980	30	15.2	4.8	10	21	14	2.5	0.5	2.5
608	34	300	5	5.9	290	0.5	5	10	42	15	810	22	9.4	4.2	21	16	15	2.5	0.5	2.5
609	11	236	5	0.4	70	0.5	5	20	22	7	1370	35	17.2	5	4	21	8	2.5	0.5	2.5
610	17	227	5	1	80	0.5	5	5	70	15	1640	54	29.4	12.3	10	50	24	2.5	0.5	2.5
612	16	292	5	0.8	90	0.5	5	10	25	12	590	19	9.6	2.8	13	11	9	2.5	0.5	2.5
613	12	102	5	2.5	100	0.5	20	20	640	96	16200	309	182	95.2	2	363	177	2.5	0.5	2.5
614	10	276	20	1.2	470	0.5	10	50	94	57	5560	91	56.5	16.4	36	74	58	2.5	0.5	2.5
615	7	210	5	0.7	180	0.5	10	100	34	92	8230	86	50.2	10.5	14	57	32	2.5	0.5	5
616	25	300	5	5.2	180	0.5	5	10	146	24	8940	121	67.6	25.9	26	109	90	2.5	0.5	7
617	6	271	5	0.2	110	0.5	5	50	22	26	460	26	12.4	4.3	8	17	8	2.5	0.5	2.5
525	22	300	10	12.1	70	<1	<10	20	100	14	2310	27	12.7	6.2	57	24	34	<5	<1	8
526	73	300	20	30.7	210	<1	<10	<10	142	35	1500	21	8.4	6.9	55	23	48	<5	<1	17
527	93	141	10	40.3	300	<1	<10	<10	272	14	550	20	10.9	9.3	31	35	118	<5	<1	25
528	58	300	40	43.3	340	<1	<10	<10	204	20	1200	22	9.7	7.9	81	27	74	<5	<1	22
529	49	217	20	33.1	130	<1	<10	<10	240	22	2450	40	19.6	11.9	83	46	73	<5	<1	14
530	101	75	50	58.5	110	<1	<10	<10	137	9	1820	41	23.8	14.8	78	51	42	<5	<1	26
531	49	108	<10	23.2	20	<1	<10	<10	185	38	1210	34	15.5	12	15	40	38	<5	<1	11
532	74	225	40	64.4	290	2	<10	<10	149	26	1610	27	12.7	8.4	83	29	47	<5	<1	14
533	21	221	<10	18.2	30	<1	<10	10	120	45	2150	39	21.2	8.8	26	33	34	<5	<1	6
534	27	253	<10	21.3	10	<1	<10	10	77	21	1760	26	13.8	5.7	22	22	23	<5	<1	6
535	108	300	20	53.6	220	<1	<10	<10	137	35	1820	30	12.5	7.8	46	30	48	<5	<1	12
536	60	156	20	18.8	50	<1	<10	<10	167	41	1090	50	23.9	17.8	29	70	135	<5	<1	30
537	68	99	<10	6.3	790	<1	<10	<10	249	28	3600	42	20.2	13.1	6	51	97	<5	<1	13
538	22	184	20	1.3	670	<1	<10	<10	388	45	720	61	26.2	21.9	17	84	169	<5	1	<5
539	56	<1	<10	5.7	120	<1	<10	30	165	24	3950	42	18.3	12.5	19	47	61	<5	<1	8
540	115	190	<10	14.5	<10	<1	<10	10	370	20	5750	105	55.5	29.4	17	122	157	<5	<1	10

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1	1	5	1	5
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB
541	125	150	<10	22.8	<10	<1	<10	<10	397	30	4910	72	36.8	22.9	21	95	99	<5	<1	13
542	53	248	<10	17.7	50	<1	<10	<10	318	12	1920	43	19.9	12.7	25	50	106	<5	<1	9
543	23	300	<10	19.9	120	<1	<10	<10	104	21	1540	23	11.4	6	46	21	34	<5	<1	9
544	68	157	10	52.4	190	<1	<10	<10	228	12	920	33	15.6	10.7	24	41	88	<5	<1	6
545	45	143	<10	13.1	30	<1	<10	<10	358	14	1400	66	38.6	17.1	9	70	136	<5	<1	<5
546	58	97	<10	28	100	<1	<10	<10	348	13	1540	91	48.1	30.8	5	115	163	<5	<1	<5
547	99	147	20	54.9	430	<1	<10	<10	286	24	1710	46	22	15.3	44	55	103	<5	<1	10
548	36	263	<10	17.7	90	<1	<10	<10	680	29	2060	93	54.4	27.7	22	110	294	<5	<1	<5
549	107	220	10	20.5	230	<1	<10	<10	222	23	1090	37	15	11.5	22	41	78	<5	<1	9
550	99	247	40	54	400	<1	<10	<10	249	31	1540	45	22.6	12.4	56	52	89	<5	<1	10
551	77	189	<10	31.5	140	<1	<10	<10	221	17	1520	53	28.8	13.5	18	61	94	<5	<1	<5
552	29	217	<10	15.7	40	<1	<10	<10	182	28	1680	43	19.4	11.5	21	49	53	<5	<1	5
553	16	219	<10	4.8	40	<1	<10	<10	139	17	2050	42	20.2	9.3	28	43	37	<5	<1	6
554	23	239	<10	9.3	40	<1	<10	<10	127	25	1820	48	22.6	8.7	40	42	39	<5	<1	6
555	58	178	<10	11	<10	<1	<10	<10	274	<5	490	36	16.3	10.6	11	47	100	<5	<1	11
556	52	300	50	27.6	360	1	<10	<10	132	<5	140	14	5.6	8.9	58	22	36	<5	<1	45
557	56	272	70	35.2	1470	2	10	<10	1360	<5	480	108	52.9	59.4	53	169	718	<5	1	136
558	25	300	10	8.3	150	<1	<10	<10	227	8	1230	27	12.1	9.6	71	32	95	<5	<1	14
559	26	300	<10	12.7	210	<1	<10	<10	37	8	740	13	7.9	2.4	54	9	15	<5	<1	16
560	23	300	<10	11.4	180	<1	<10	10	25	24	660	7	4.7	1.6	81	5	10	<5	<1	7
561	83	300	20	39.4	370	<1	<10	<10	164	7	650	17	7	6	51	21	73	<5	<1	19
562	31	294	10	16.3	230	<1	<10	<10	30	13	710	8	4.7	1.5	80	5	14	<5	<1	19
563	46	272	10	27.7	130	<1	<10	<10	110	7	570	19	7.9	6	43	23	39	<5	<1	15
564	49	220	50	55.2	340	1	<10	<10	208	<5	300	18	7.5	7.1	73	26	78	<5	1	38
565	40	230	<10	8.2	60	<1	<10	30	19	23	1340	12	7.2	1.7	24	6	7	<5	<1	11
566	19	266	<10	8.6	80	<1	<10	20	99	16	1490	32	15.5	7.3	43	29	36	<5	<1	12
567	98	80	50	18.8	670	<1	30	90	72	30	3430	221	133	72.5	14	296	507	<5	<1	<5
568	8	300	10	3.1	210	<1	<10	<10	251	13	440	33	14.3	9.1	28	34	80	<5	<1	5
569	63	126	80	21.4	1190	<1	<10	<10	385	48	810	49	22.9	18.7	35	64	82	<5	<1	5
570	52	300	30	10.3	200	<1	<10	<10	483	12	620	69	29.2	22.7	122	95	186	5	<1	19
571	78	286	<10	14.3	80	<1	<10	<10	72	16	590	17	7.9	4.3	47	16	26	<5	<1	11
572	77	137	40	37	380	1	<10	<10	163	<5	160	15	6.1	7.4	74	20	51	<5	<1	26
573	51	89	70	46.3	770	1	<10	<10	63	<5	440	10	3.6	7.2	26	17	23	<5	<1	79
574	55	130	110	57.2	1760	9	<10	<10	169	<5	280	14	6.2	7.1	138	20	59	<5	3	245
575	73	130	120	48.1	1830	5	<10	<10	333	<5	310	21	8.7	13.1	199	34	197	<5	2	105
576	93	300	280	46.3	3330	10	<10	<10	353	15	690	23	8.9	12	251	33	155	<5	7	260
577	79	295	180	64	800	3	<10	<10	126	8	430	8	3.6	4	136	12	54	<5	<1	139
578	31	98	<10	31.4	120	<1	<10	<10	239	<5	600	44	21.2	24	17	69	53	<5	<1	17
579	48	129	10	23.3	420	<1	<10	<10	539	87	400	56	29.2	32	39	89	143	<5	<1	<5
580	55	228	<10	27.9	110	<1	<10	10	240	25	830	39	18.1	12.6	50	47	74	<5	<1	8
581	77	167	20	20.8	590	<1	<10	20	623	50	2830	111	60.5	37.5	58	134	247	<5	<1	9
6000	8	222	<10	0.2	60	<1	<10	10	20	7	240	20	9.2	3	8	12	5	<5	<1	<5
6001	10	243	<10	0.8	130	<1	<10	10	42	14	400	24	10.4	4.2	18	17	13	<5	<1	<5
6002	14	215	<10	1.3	170	<1	<10	<10	31	7	400	20	9	3.7	12	15	9	<5	<1	<5
6003	24	236	<10	1.5	220	<1	<10	<10	65	8	350	22	9.7	5.4	12	22	22	<5	<1	<5
6004	13	208	<10	0.4	70	<1	<10	10	26	11	420	19	9.2	3.3	10	14	8	<5	<1	<5
6005	35	266	<10	3.3	220	<1	<10	<10	105	35	530	28	10.8	7.3	41	27	41	<5	<1	<5
6006	36	89	60	18.4	2760	<1	60	<10	486	25	330	174	99.4	58.2	75	224	398	<5	6	10
6007	29	95	20	9.4	250	<1	<10	<10	210	9	420	49	22	18.7	29	63	79	<5	<1	8
6008	8	233	<10	0.2	210	<1	<10	20	30	9	280	23	9.9	3.9	8	15	10	<5	<1	<5
6009	7	218	<10	0.1	180	<1	<10	20	13	9	250	15	8	2.2	5	9	2	<5	<1	<5
6010	22	238	<10	1.6	170	<1	<10	<10	31	<5	420	18	7.8	3.3	9	13	9	<5	<1	<5
6011	33	242	<10	3.4	300	<1	<10	<10	82	17	480	23	9.4	5.6	18	22	29	<5	<1	<5

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1	1	5	1	5
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB
6012	14	276	<10	0.9	130	<1	<10	<10	50	12	470	18	7.1	3.6	17	15	18	<5	<1	<5
6013	12	224	<10	<0.1	80	<1	<10	10	30	9	400	23	10.7	3.8	9	16	9	<5	<1	<5
6014	34	205	<10	0.3	80	<1	<10	10	12	7	350	14	6.6	2.1	6	8	2	<5	<1	<5
6015	28	208	<10	0.2	40	<1	<10	20	29	11	610	20	9.7	3.6	10	14	9	<5	<1	<5
6016	13	209	<10	0.4	40	<1	<10	20	21	11	620	18	7.9	2.8	13	12	5	<5	<1	<5
6017	7	239	<10	0.1	50	<1	<10	20	36	14	600	16	7.6	2.9	30	12	11	<5	<1	<5
6018	7	238	<10	0.3	80	<1	<10	20	13	5	210	13	6.5	2	6	8	3	<5	<1	<5
6019	11	208	<10	<0.1	50	<1	<10	20	16	19	190	16	7.2	2.5	7	10	3	<5	<1	<5
6020	6	247	<10	0.8	120	<1	10	20	70	<5	250	22	8.2	6.2	11	23	24	<5	<1	<5
6021	14	125	<10	2.2	740	<1	220	40	109	11	990	63	33.9	14.3	18	61	71	<5	5	<5
6022	13	221	<10	0.7	60	<1	<10	10	14	28	290	18	9.7	1.8	8	8	5	<5	<1	<5
6023	10	230	<10	<0.1	60	<1	<10	30	17	9	460	14	6.2	2.3	15	9	5	<5	<1	<5
6024	11	253	<10	2.4	200	<1	<10	<10	83	13	400	18	7.3	5.6	22	20	32	<5	<1	<5
6025	10	195	<10	<0.1	50	<1	<10	20	42	8	450	24	10.8	5.1	8	22	12	<5	<1	<5
6026	7	203	<10	0.1	30	<1	<10	30	19	5	590	17	8.2	3.1	11	13	5	<5	<1	<5
6027	24	176	<10	0.1	40	<1	<10	10	102	8	530	35	17.4	8.2	3	33	33	<5	<1	<5
6028	4	200	<10	0.2	110	<1	<10	40	8	10	1110	10	5.6	1.3	47	5	2	<5	<1	<5
6029	14	224	<10	0.2	50	<1	<10	20	49	11	480	23	10.3	5.1	10	20	16	<5	<1	<5
6030	11	227	<10	0.2	50	<1	<10	30	36	14	630	19	8.2	3.9	14	15	12	<5	<1	<5
6031	17	236	<10	2.5	100	<1	<10	30	34	21	670	18	7.5	3.5	12	14	12	<5	<1	<5
6032	14	227	<10	0.8	190	<1	<10	20	44	10	540	22	9.3	4.5	11	18	14	<5	<1	<5
6033	15	215	<10	0.4	130	<1	<10	20	66	9	830	25	9.9	6.6	13	25	22	<5	<1	<5
6034	16	201	<10	0.4	50	<1	<10	30	13	10	540	17	8.2	2.4	7	10	2	<5	<1	<5
6035	15	193	<10	0.2	60	<1	<10	20	17	8	560	21	9.8	3.1	6	14	3	<5	<1	<5
6036	21	168	<10	1.7	60	<1	<10	30	39	15	10100	77	40	12.4	4	57	22	<5	<1	<5
6037	11	235	<10	0.7	110	<1	<10	30	70	31	1960	46	20.8	8.9	36	36	26	<5	<1	8
6038	7	253	<10	0.2	60	<1	<10	30	66	15	780	30	12.4	7	13	27	20	<5	<1	<5
6039	9	220	<10	<0.1	70	<1	<10	30	36	11	1210	27	12.5	5.9	6	23	12	<5	<1	<5
6040	4	182	<10	<0.1	170	<1	30	100	52	38	460	42	20.3	9.1	17	38	20	<5	4	<5
6041	10	198	<10	0.4	110	<1	<10	30	275	26	6070	370	165	76.1	8	318	191	<5	<1	<5
6042	5	200	<10	0.4	110	<1	20	20	108	83	8990	195	126	37.6	24	191	262	<5	<1	<5
6043	4	192	<10	<0.1	200	<1	40	70	20	9	6740	161	109	20.8	18	121	83	<5	1	<5
6044	7	197	<10	<0.1	50	<1	<10	60	10	7	460	18	8.9	2.6	6	11	3	<5	<1	<5
6045	5	238	<10	0.6	100	<1	<10	20	63	6	520	24	10.2	6.2	11	24	21	<5	<1	<5
6046	12	211	<10	0.3	40	<1	<10	20	10	5	640	14	7.5	1.6	23	7	3	<5	<1	<5
6047	16	214	<10	0.2	50	<1	<10	30	22	6	590	18	8.5	3	9	12	6	<5	<1	<5
6048	92	235	<10	23.8	40	<1	<10	20	54	49	2590	25	11.8	7	30	25	20	<5	<1	<5
6049	10	235	<10	1.3	70	<1	<10	10	35	6	730	19	8.1	4.2	15	16	11	<5	<1	<5
6050	7	195	<10	0.1	40	<1	<10	20	10	6	510	16	8.1	1.9	12	8	2	<5	<1	<5
6051	8	240	<10	0.4	70	<1	<10	10	52	12	600	21	8.4	5.2	14	20	18	<5	<1	<5
6052	7	214	<10	0.2	70	<1	<10	20	13	9	330	15	7.1	2.1	19	9	3	<5	<1	<5
6053	9	300	<10	0.8	130	<1	<10	10	84	9	1440	36	15.2	8.2	18	32	32	<5	<1	<5
6054	8	234	<10	0.2	100	<1	<10	60	20	17	930	33	15.6	4.8	22	21	5	<5	<1	<5

ANALYTE	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	0.5	1	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
500	11.8	77	16	80	1	16	105	0.5	35	22	0.5	5	2	4	5	10.1	1090	0.25	7	1
502	6.1	79	9	20	0.5	17	111	4	38	24	0.5	5	0.5	5	5	11.8	1240	0.25	10	1
503	24	419	7	90	1	80	110	13	37	122	1	10	2	19	5	11.6	6900	0.5	8	4
504	28.5	121	6	100	1	27	175	7	40	33	2	10	2	5	5	16.9	7520	0.8	7	4
505	8.3	139	17	70	0.5	28	125	8	45	38	0.5	5	0.5	6	5	8.1	2510	0.25	7	1
506	14.2	128	6	1140	0.5	27	169	6	46	36	1	10	1	6	5	8.5	6120	0.8	6	3
507	7.3	141	6	170	0.5	27	236	3	68	42	0.5	10	0.5	6	5	4.8	3200	0.8	5	2
508	13.2	134	9	310	0.5	24	226	6	66	42	0.5	10	0.5	6	5	4.5	5170	1.1	4	3
509	4.6	57	14	5070	0.5	11	110	3	29	18	0.5	5	0.5	3	5	5.8	1230	0.25	5	1
510	23.3	102	5	40	2	22	175	2	36	28	0.5	10	2	5	5	17	4760	0.5	7	3
512	10.3	162	6	70	2	34	213	2	77	44	0.5	20	2	7	5	10.5	1130	1.3	7	1
513	1.4	140	13	10	0.5	27	15	2	81	40	0.5	5	0.5	7	5	4.8	1120	0.6	7	0.5
514	6.1	201	15	210	1	39	122	2	97	55	0.5	20	0.5	10	5	12.6	2340	1	11	1
515	1.4	131	60	380	0.5	23	84	0.5	40	41	0.5	5	0.5	10	5	3.9	424	1.3	5	0.5
516	1.4	54	47	160	0.5	9	60	1	58	18	0.5	10	0.5	5	5	2.8	489	0.25	4	0.5
517	3	90	19	370	0.5	17	55	1	52	27	0.5	5	0.5	6	5	9	815	0.5	9	0.5
518	2.8	176	27	470	0.5	34	112	0.5	37	49	0.5	10	0.5	9	5	5.1	194	0.25	4	0.5
519	2.5	138	16	60	0.5	24	84	0.5	15	40	0.5	10	0.5	10	5	1.6	319	0.25	3	0.5
520	9.8	82	8	30	2	17	136	2	35	24	0.5	5	0.5	4	5	15.9	2260	0.25	12	2
521	6	57	14	150	0.5	11	125	0.5	33	19	0.5	5	0.5	4	5	7.7	1910	0.8	7	0.5
600	1.1	215	16	10	0.5	40	64	0.5	93	64	0.5	10	0.5	16	5	2.1	141	0.25	6	0.5
601	4.4	141	6	80	0.5	27	176	0.5	91	42	0.5	10	0.5	8	5	6	1780	0.6	4	0.5
602	2.3	79	14	10	0.5	13	27	0.5	83	25	0.5	10	0.5	7	5	2.6	350	0.25	5	0.5
603	6	86	33	30	0.5	15	19	0.5	47	28	0.5	20	0.5	7	5	3.5	789	0.25	5	0.5
604	4.2	45	27	20	0.5	8	15	0.5	60	18	0.5	10	0.5	5	5	3.6	1130	0.25	4	0.5
605	2.3	39	17	10	0.5	7	17	0.5	53	14	0.5	10	0.5	4	5	3.5	1040	0.25	4	0.5
606	2.9	42	17	70	0.5	8	118	0.5	44	15	0.5	20	0.5	4	5	3.1	804	0.7	3	0.5
607	1.9	36	10	480	0.5	6	224	0.5	48	13	0.5	5	0.5	4	5	2.9	549	1.5	4	0.5
608	3.2	30	8	310	0.5	6	228	0.5	34	12	0.5	5	0.5	3	5	5.5	1240	0.7	4	0.5
609	1	26	14	20	0.5	4	62	0.5	59	12	0.5	5	0.5	5	5	1.4	401	0.25	3	0.5
610	1.4	103	2.5	60	0.5	16	136	0.5	140	34	0.5	5	0.5	8	5	2.4	1050	0.25	6	0.5
612	3.6	18	68	100	0.5	3	133	0.5	47	7	0.5	5	0.5	3	5	4.5	1630	0.25	5	0.5
613	0.25	873	20	180	0.5	153	130	0.5	66	283	0.5	20	0.5	51	5	1.4	32	1	3	1
614	4	121	49	150	0.5	20	146	0.5	81	42	0.5	30	0.5	13	5	8.7	2580	0.7	7	0.5
615	3.4	75	44	60	0.5	12	77	0.5	45	25	0.5	30	0.5	12	5	2.9	840	0.5	5	0.5
616	3.1	190	16	50	0.5	33	91	0.5	123	66	0.5	5	0.5	18	5	7.2	779	0.6	9	0.5
617	1.7	25	39	50	0.5	4	58	0.5	45	10	0.5	20	0.5	4	5	1.6	999	0.25	3	0.5
525	13.2	63	45	170	2	14	147	1	43	19	<1	10	1	5	<10	16.5	878	0.6	10	<1
526	5	68	20	250	1	16	161	2	53	20	<1	<10	<1	4	<10	13.4	1180	0.8	7	2
527	3.5	176	10	70	<1	43	172	2	48	35	<1	20	<1	4	<10	6.9	910	0.8	5	1
528	11.2	92	16	290	1	23	174	3	48	25	<1	10	<1	4	<10	14.7	2890	0.8	7	2
529	18.8	146	7	190	3	33	171	6	52	41	1	<10	2	7	<10	24.2	2310	0.7	9	2
530	9.2	154	5	370	<1	29	159	16	47	45	<1	<10	<1	7	<10	4.8	4200	0.7	4	3
531	3.1	128	<5	280	<1	26	223	<1	47	40	<1	<10	<1	6	<10	7	613	0.6	6	<1
532	11	87	22	440	1	19	155	3	45	26	<1	<10	<1	5	<10	12.4	3390	0.7	5	2
533	4.3	83	21	350	<1	17	160	<1	42	24	<1	<10	<1	6	<10	5.8	605	0.6	6	<1
534	3.1	55	14	150	<1	11	166	<1	29	16	<1	<10	<1	4	<10	4.2	1000	<0.5	6	<1
535	12.4	78	9	150	4	17	219	2	54	25	<1	<10	1	5	<10	24.5	1590	0.6	9	<1
536	4.8	229	7	170	1	49	205	<1	110	62	<1	<10	<1	10	<10	12.1	1470	1	9	<1
537	0.5	161	7	130	<1	37	30	<1	103	44	<1	50	<1	8	<10	6.6	251	0.8	6	<1
538	5.1	270	8	180	1	60	65	2	245	71	<1	30	<1	12	<10	8.6	5680	1.3	7	<1
539	9.9	126	27	110	1	26	70	1	86	38	<1	<10	<1	8	<10	10.7	2700	0.6	9	<1
540	1.3	365	12	350	<1	76	187	<1	107	101	<1	<10	<1	19	<10	5.7	693	0.8	9	<1

ANALYTE	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	0.5	1	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
541	2.3	323	6	200	<1	69	137	<1	58	84	<1	<10	<1	14	<10	4.4	789	0.5	4	<1
542	5.9	165	11	110	<1	39	198	<1	44	45	<1	<10	<1	8	<10	10.2	1360	1.3	8	<1
543	3.6	59	13	130	<1	13	104	1	45	18	<1	<10	<1	4	<10	15.6	926	<0.5	7	<1
544	6.2	134	<5	130	<1	31	171	1	33	35	<1	<10	<1	6	<10	9.5	1530	0.9	6	<1
545	0.8	235	6	240	<1	53	136	<1	46	58	<1	<10	<1	11	<10	3.6	185	0.9	7	<1
546	0.7	336	<5	110	<1	73	169	1	52	97	<1	<10	<1	17	<10	3.4	161	0.8	6	<1
547	6.3	183	8	170	<1	40	166	2	76	51	<1	30	<1	9	<10	8.4	2200	1	7	1
548	2.8	388	15	340	<1	92	134	1	75	94	<1	<10	<1	17	<10	8.6	645	1	11	<1
549	5.1	125	7	70	1	29	165	1	81	38	<1	10	<1	7	<10	10.7	934	1	8	<1
550	5.8	170	13	150	1	39	243	2	65	48	<1	10	<1	8	<10	13.6	2530	1	11	1
551	2.2	182	7	120	<1	39	185	<1	59	50	<1	<10	<1	10	<10	6.8	703	0.7	10	<1
552	8.6	142	15	320	1	30	159	<1	49	41	<1	<10	<1	8	<10	12.1	735	0.6	11	<1
553	10.1	111	17	100	1	22	92	<1	44	33	<1	<10	<1	7	<10	14.7	1070	<0.5	10	<1
554	13.8	100	17	130	1	20	91	<1	45	30	<1	<10	1	8	<10	13.5	891	<0.5	9	<1
555	1.9	177	<5	50	<1	43	150	<1	34	42	<1	<10	<1	7	<10	8.8	267	0.7	8	<1
556	37.9	109	<5	60	<1	24	104	5	29	28	3	90	3	3	30	7.5	8840	1.6	2	7
557	20.6	916	<5	150	<1	225	119	12	18	187	6	350	2	23	20	5.2	13300	2	2	9
558	8	125	15	230	<1	32	98	<1	50	31	<1	20	<1	5	<10	26.1	963	1.1	11	<1
559	5.8	23	14	570	<1	5	82	<1	22	6	<1	<10	<1	2	<10	7.5	1140	1.1	6	1
560	3.7	14	37	260	<1	3	101	<1	19	4	<1	<10	<1	1	<10	8.8	589	1.2	3	<1
561	9.3	80	8	70	<1	21	126	3	38	20	1	20	<1	3	<10	9.4	2580	1.5	6	4
562	9.9	14	17	230	<1	4	120	2	23	4	<1	<10	<1	1	<10	6.5	2760	1.2	4	3
563	11.1	77	10	170	<1	18	158	2	27	22	<1	<10	<1	4	<10	8.6	2000	0.9	5	2
564	21.2	116	6	280	<1	28	198	6	30	28	2	<10	1	4	<10	7.4	7670	2	4	9
565	6.5	12	16	240	<1	3	88	<1	18	4	<1	<10	<1	2	<10	2.6	1210	0.9	2	2
566	5.1	67	22	280	<1	14	168	<1	32	20	<1	<10	<1	5	<10	7.2	1300	1.2	4	1
567	2.2	776	27	740	<1	156	158	<1	89	194	<1	80	<1	40	<10	3.3	946	0.5	3	2
568	14.6	107	18	70	<1	26	366	<1	37	29	<1	<10	<1	6	<10	10.1	5270	2.1	7	2
569	3	225	8	4000	<1	48	174	2	43	69	<1	30	<1	10	<10	4	1020	1	5	<1
570	93.4	346	11	270	7	79	162	2	81	89	6	<10	7	14	<10	55.6	3170	1	18	3
571	12.2	45	21	470	1	10	160	1	22	13	<1	<10	1	3	<10	8	1590	0.6	6	1
572	13.7	94	<5	120	<1	22	187	2	39	25	1	20	1	3	<10	5.6	4080	0.9	4	3
573	43.9	73	<5	30	<1	13	110	5	28	23	4	40	2	2	10	11.7	13500	1.1	2	20
574	86.1	104	<5	450	<1	25	147	14	34	25	9	50	5	3	20	10	33300	2.2	3	28
575	42.6	197	<5	470	<1	51	148	9	36	42	6	80	3	5	20	5.9	17900	1.8	3	13
576	131	180	10	860	1	47	176	36	78	40	17	80	8	5	40	16.8	51100	3.2	8	45
577	69.5	57	10	510	<1	15	231	50	23	12	9	30	4	2	30	11	30900	2.1	5	40
578	3.1	270	<5	220	<1	53	186	1	20	72	<1	<10	<1	9	<10	6.5	1030	1.8	3	2
579	9.7	401	7	80	<1	83	131	2	78	103	<1	30	<1	12	<10	3.9	3890	0.9	5	2
580	7.7	165	22	540	1	37	162	1	41	44	<1	<10	<1	7	<10	11.5	1510	1	6	<1
581	6.7	438	16	410	<1	98	118	2	75	114	<1	20	<1	20	<10	7.3	2570	1	5	1
6000	1.6	18	38	30	<1	4	50	<1	41	7	<1	<10	<1	3	<10	2.1	821	<0.5	3	<1
6001	2.6	30	48	120	<1	7	117	<1	48	11	<1	<10	<1	4	<10	3.5	1290	<0.5	4	<1
6002	1	27	23	170	<1	6	84	<1	27	10	<1	<10	<1	4	<10	1.9	350	<0.5	2	<1
6003	1.8	51	11	90	<1	11	107	<1	35	16	<1	<10	<1	4	<10	3.2	856	<0.5	4	<1
6004	1.4	23	22	10	<1	5	49	<1	34	9	<1	<10	<1	3	<10	2	815	<0.5	3	<1
6005	4	69	10	90	<1	16	129	<1	60	22	<1	<10	<1	5	<10	6.7	2490	<0.5	4	<1
6006	10.8	697	7	50	<1	159	86	1	68	176	<1	510	1	35	<10	3.7	5720	<0.5	2	2
6007	2.4	197	<5	170	<1	45	135	<1	90	58	<1	30	<1	10	<10	6.7	1180	<0.5	7	<1
6008	2.1	25	34	90	<1	6	76	<1	36	10	<1	20	<1	4	<10	2	603	<0.5	3	<1
6009	0.6	12	28	20	<1	3	73	<1	36	5	<1	20	<1	2	<10	1.1	229	<0.5	2	<1
6010	1.2	24	18	190	<1	5	124	<1	26	9	<1	<10	<1	3	<10	2.6	367	<0.5	3	<1
6011	2.2	55	10	170	<1	13	126	<1	37	17	<1	<10	<1	5	<10	4.1	1110	<0.5	4	<1

ANALYTE	Nb	Nd	Ni	Pb	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Tl	Tl	U	W
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	0.5	1	5	10	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
6012	3.1	32	18	30	<1	8	97	<1	29	10	<1	<10	<1	3	<10	4.5	779	<0.5	4	<1
6013	1.4	28	19	<10	<1	6	14	<1	41	10	<1	<10	<1	4	<10	1.7	1030	<0.5	3	<1
6014	0.5	11	22	40	<1	2	79	<1	20	5	<1	<10	<1	2	<10	1.1	193	<0.5	2	<1
6015	1.2	27	29	10	<1	6	12	<1	38	10	<1	<10	<1	3	<10	2.1	784	<0.5	3	<1
6016	1.1	18	54	30	<1	4	24	<1	31	7	<1	<10	<1	3	<10	1.8	458	<0.5	3	<1
6017	5.2	22	24	<10	<1	5	13	<1	33	8	<1	<10	<1	3	<10	5.7	2510	<0.5	5	<1
6018	0.7	11	28	160	<1	2	123	<1	27	5	<1	<10	<1	2	<10	1.5	298	<0.5	2	<1
6019	<0.5	16	28	<10	<1	3	15	<1	28	6	<1	<10	<1	3	<10	1	139	<0.5	2	<1
6020	0.9	59	18	60	<1	14	132	<1	28	19	<1	20	<1	4	<10	2	375	<0.5	2	<1
6021	<0.5	122	49	120	<1	26	50	<1	40	40	<1	320	<1	12	<10	3.3	128	<0.5	5	<1
6022	0.7	10	22	60	<1	2	68	<1	19	4	<1	10	<1	3	<10	1.4	133	<0.5	1	<1
6023	1	14	23	<10	<1	3	16	<1	33	6	<1	<10	<1	2	<10	2.2	520	<0.5	3	<1
6024	2.6	58	15	70	<1	14	109	<1	34	17	<1	<10	<1	4	<10	4.9	1030	<0.5	3	<1
6025	0.8	45	21	<10	<1	9	11	<1	33	15	<1	<10	<1	5	<10	1.3	259	<0.5	3	<1
6026	0.6	20	22	<10	<1	4	22	<1	34	8	<1	<10	<1	3	<10	1.4	298	<0.5	4	<1
6027	<0.5	93	19	<10	<1	21	13	<1	51	24	<1	<10	<1	7	<10	0.8	165	<0.5	3	<1
6028	0.8	6	31	80	<1	1	89	<1	20	3	<1	<10	<1	1	<10	3.6	212	<0.5	3	<1
6029	1.3	43	23	30	<1	9	23	<1	37	14	<1	<10	<1	4	<10	2.2	841	<0.5	4	<1
6030	1.9	32	23	10	<1	7	24	<1	30	11	<1	<10	<1	3	<10	2.9	1040	<0.5	5	<1
6031	1.7	25	20	180	<1	6	101	<1	23	10	<1	<10	<1	3	<10	3.2	601	<0.5	4	<1
6032	1.3	39	20	90	<1	9	79	<1	31	13	<1	<10	<1	4	<10	2.4	590	<0.5	3	<1
6033	1.3	61	19	10	<1	14	35	<1	37	19	<1	10	<1	5	<10	2.5	868	<0.5	4	<1
6034	0.5	13	22	240	<1	3	79	<1	21	6	<1	<10	<1	3	<10	1.4	104	<0.5	2	<1
6035	<0.5	19	18	<10	<1	4	43	<1	31	8	<1	<10	<1	4	<10	1	134	<0.5	3	<1
6036	<0.5	82	18	40	<1	15	63	<1	28	32	<1	<10	<1	13	<10	1.6	105	<0.5	4	<1
6037	1.1	68	47	90	<1	14	113	<1	40	23	<1	10	<1	8	<10	3.5	518	<0.5	4	<1
6038	2.2	57	36	20	<1	12	32	<1	50	19	<1	<10	<1	6	<10	4	522	<0.5	4	<1
6039	0.7	44	28	20	<1	9	37	<1	39	15	<1	<10	<1	5	<10	1.7	407	<0.5	3	<1
6040	<0.5	80	43	10	<1	16	19	<1	38	26	<1	80	<1	8	<10	1.4	88	<0.5	1	<1
6041	1.6	621	20	30	<1	125	39	<1	33	191	<1	10	<1	67	<10	2.9	251	<0.5	5	1
6042	3	357	22	70	<1	79	61	<1	34	95	<1	10	<1	34	<10	7	1580	<0.5	7	1
6043	0.9	168	83	20	<1	32	58	<1	31	47	<1	80	<1	25	<10	2.9	515	<0.5	5	<1
6044	<0.5	13	37	<10	<1	3	46	<1	31	6	<1	10	<1	3	<10	0.9	90	<0.5	2	<1
6045	0.7	57	18	110	<1	13	132	<1	34	18	<1	<10	<1	5	<10	2.3	417	<0.5	3	<1
6046	0.9	8	25	30	<1	2	45	<1	30	4	<1	<10	<1	2	<10	2.7	302	<0.5	3	<1
6047	0.9	19	24	<10	<1	4	28	<1	34	7	<1	<10	<1	3	<10	1.8	443	<0.5	3	<1
6048	0.7	47	30	2000	<1	10	51	<1	96	17	<1	<10	<1	5	<10	2.1	225	<0.5	1	<1
6049	0.9	33	18	270	<1	7	148	<1	24	11	<1	<10	<1	3	<10	2.2	394	<0.5	3	<1
6050	0.5	10	26	<10	<1	2	34	<1	28	5	<1	<10	<1	2	<10	1.5	173	<0.5	3	<1
6051	2.2	43	14	20	<1	10	30	<1	34	14	<1	<10	<1	4	<10	3.7	1180	<0.5	4	<1
6052	1.3	12	25	100	<1	3	87	<1	17	5	<1	<10	<1	2	<10	1.6	381	<0.5	2	<1
6053	6.9	71	14	40	<1	16	78	<1	66	23	<1	<10	<1	7	<10	6.5	1550	<0.5	7	<1
6054	1	28	34	20	<1	5	21	<1	37	12	<1	20	<1	6	<10	1.6	317	<0.5	3	<1

ANALYTE	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	5	1	20	5
UNITS	PPB	PPB	PPB	PPB
500	87	7	90	388
502	100	10	110	349
503	355	38	90	371
504	89	10	80	494
505	118	11	140	225
506	101	14	110	244
507	114	17	100	97
508	123	18	250	68
509	81	9	170	67
510	84	9	80	659
512	137	14	100	403
513	157	14	230	94
514	249	23	530	222
515	280	21	880	48
516	139	13	780	56
517	163	15	950	156
518	226	18	270	124
519	301	20	110	43
520	83	8	40	432
521	83	9	50	228
600	379	29	150	49
601	159	14	240	157
602	214	18	460	82
603	207	15	1320	112
604	132	11	390	125
605	87	7	300	101
606	101	8	710	105
607	116	11	220	73
608	71	6	220	120
609	134	12	320	44
610	255	22	150	63
612	70	7	160	130
613	1130	164	920	16
614	932	40	2010	212
615	614	27	2300	70
616	605	47	290	171
617	93	8	720	50
525	119	10	170	501
526	74	6	100	209
527	118	10	80	108
528	87	8	80	237
529	176	17	70	751
530	220	21	110	67
531	108	14	70	192
532	98	11	150	218
533	200	17	140	133
534	133	11	60	61
535	108	10	100	737
536	262	19	100	246
537	183	16	380	156
538	269	19	230	313
539	191	13	450	299
540	567	42	240	78

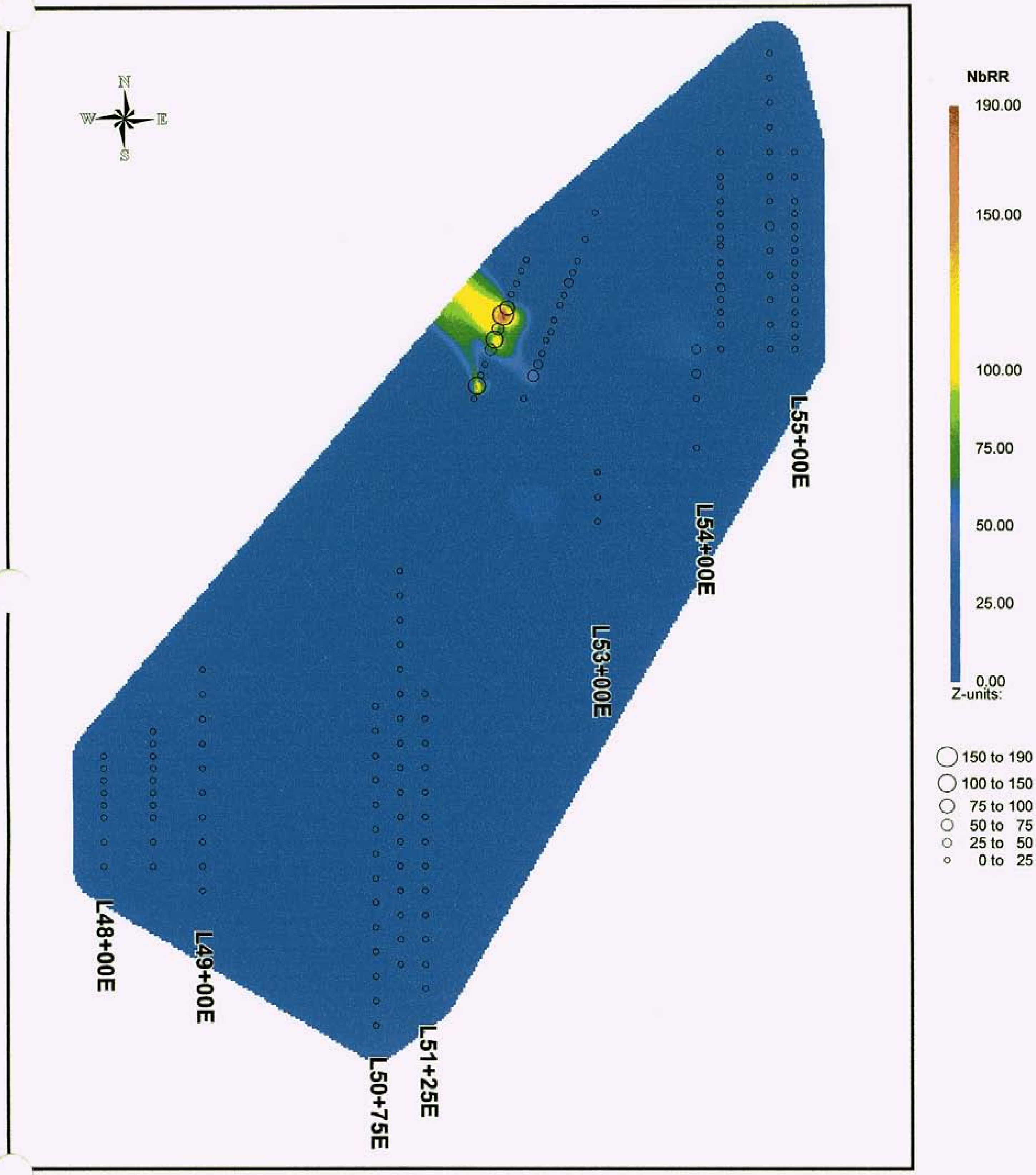
ANALYTE	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	5	1	20	5
UNITS	PPB	PPB	PPB	PPB
541	321	30	180	54
542	176	15	180	181
543	93	9	140	178
544	154	12	70	189
545	384	33	40	62
546	424	40	<20	77
547	204	19	130	133
548	527	48	140	159
549	131	12	60	277
550	184	20	170	329
551	269	24	160	160
552	180	15	100	381
553	188	16	140	421
554	220	18	120	416
555	152	12	<20	159
556	51	4	30	100
557	542	39	50	58
558	105	9	<20	346
559	66	7	20	123
560	36	5	110	101
561	64	6	50	134
562	34	4	60	94
563	69	6	50	177
564	77	6	80	117
565	59	6	120	56
566	184	12	130	135
567	2050	91	3280	41
568	127	10	170	111
569	149	22	460	112
570	269	22	60	2270
571	82	6	100	180
572	44	6	40	119
573	25	3	60	45
574	48	5	110	148
575	83	7	70	86
576	82	7	290	295
577	33	3	130	147
578	155	19	40	88
579	210	27	110	71
580	158	14	90	256
581	600	49	260	106
6000	93	6	160	40
6001	100	7	140	79
6002	97	6	110	27
6003	104	7	80	63
6004	98	6	110	41
6005	109	7	100	149
6006	1270	66	300	50
6007	203	17	60	120
6008	103	6	290	45
6009	76	6	170	21
6010	74	5	180	50
6011	97	7	100	81

ANALYTE	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	5	1	20	5
UNITS	PPB	PPB	PPB	PPB
6012	71	5	110	90
6013	111	7	120	47
6014	67	4	140	19
6015	101	7	140	43
6016	82	6	170	33
6017	71	5	130	133
6018	60	4	240	22
6019	71	5	350	16
6020	96	5	570	34
6021	445	22	2140	34
6022	87	6	150	23
6023	58	4	190	40
6024	77	5	140	94
6025	127	7	160	24
6026	86	6	190	25
6027	208	12	130	15
6028	50	4	340	30
6029	110	7	200	48
6030	82	6	270	63
6031	72	5	230	47
6032	92	6	320	42
6033	116	6	510	52
6034	81	6	230	18
6035	101	6	260	16
6036	543	25	770	20
6037	229	14	1000	30
6038	133	9	840	74
6039	144	9	440	29
6040	255	13	2250	11
6041	1320	110	360	53
6042	1700	80	790	102
6043	1510	61	2930	40
6044	86	6	830	12
6045	113	7	250	35
6046	66	5	200	29
6047	79	6	250	31
6048	125	9	210	43
6049	88	6	250	34
6050	76	6	260	21
6051	88	6	240	85
6052	69	5	210	23
6053	152	10	230	161
6054	161	10	550	24

APPENDIX 3E

Results Of Mobile Metal Ions Process (MMI-M) Soil Geochemical Surveys on The Stewart Property (Deltaic Grid), Stewart Area, B.C.

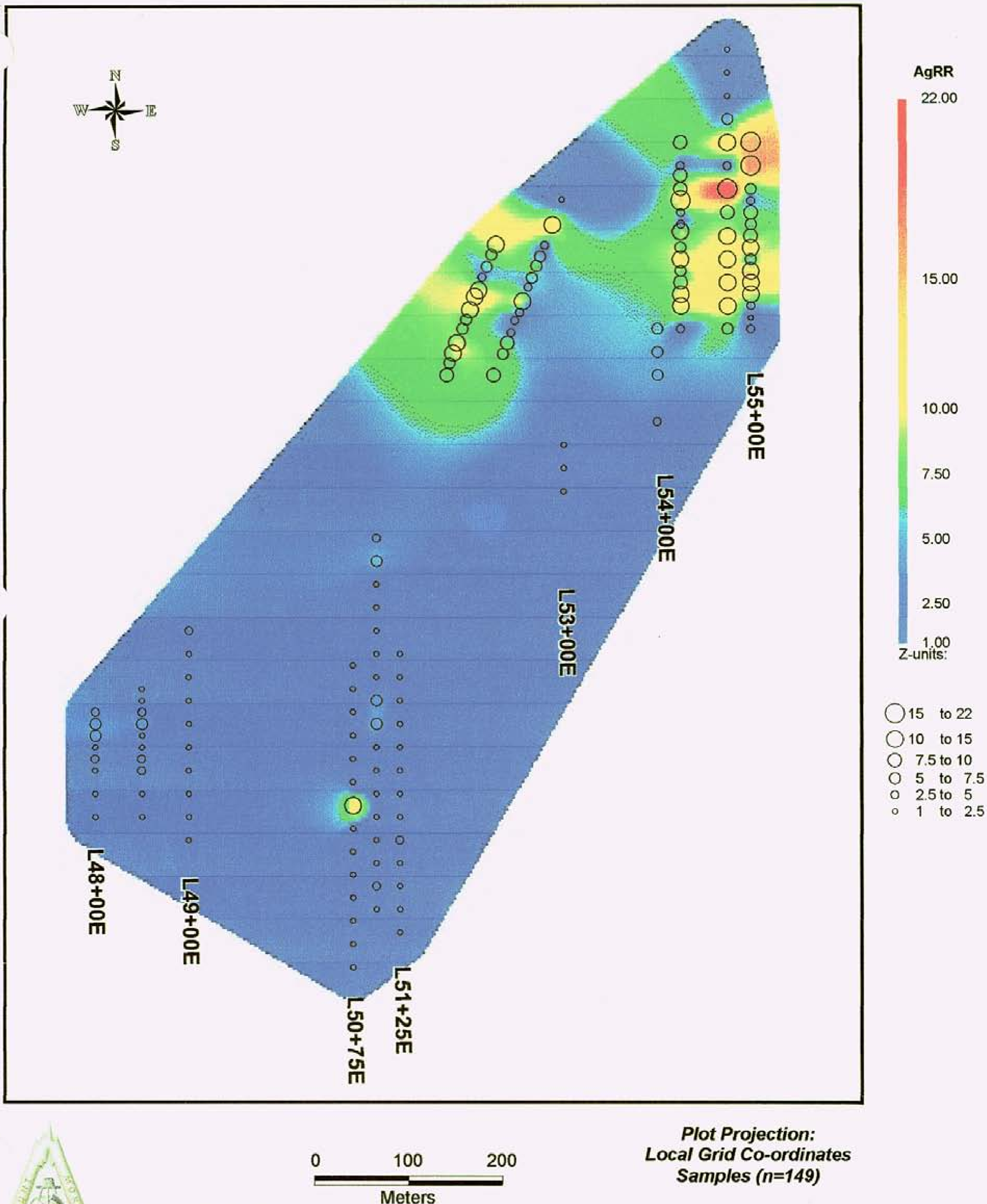
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - NbRR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

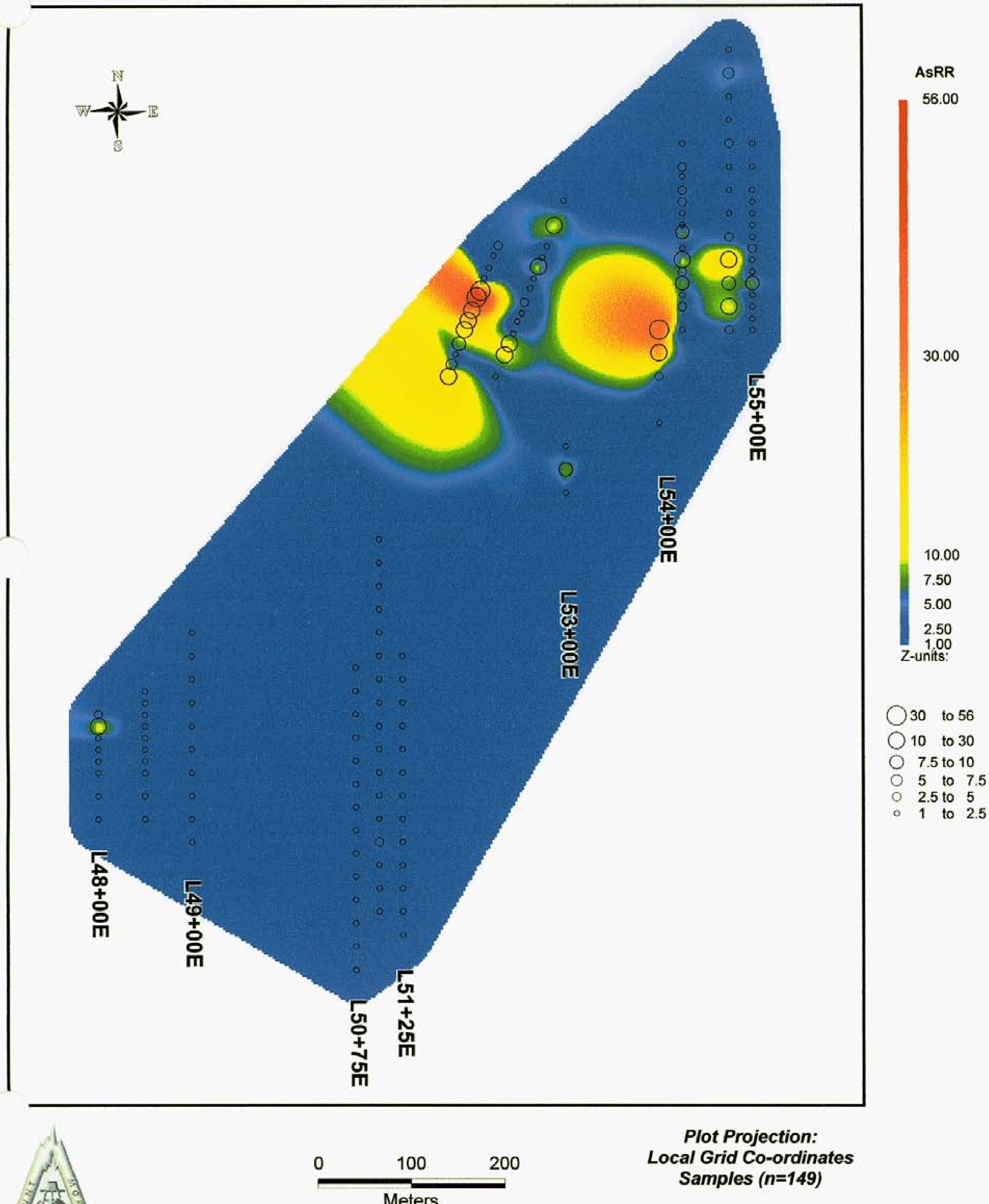
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - AgRR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

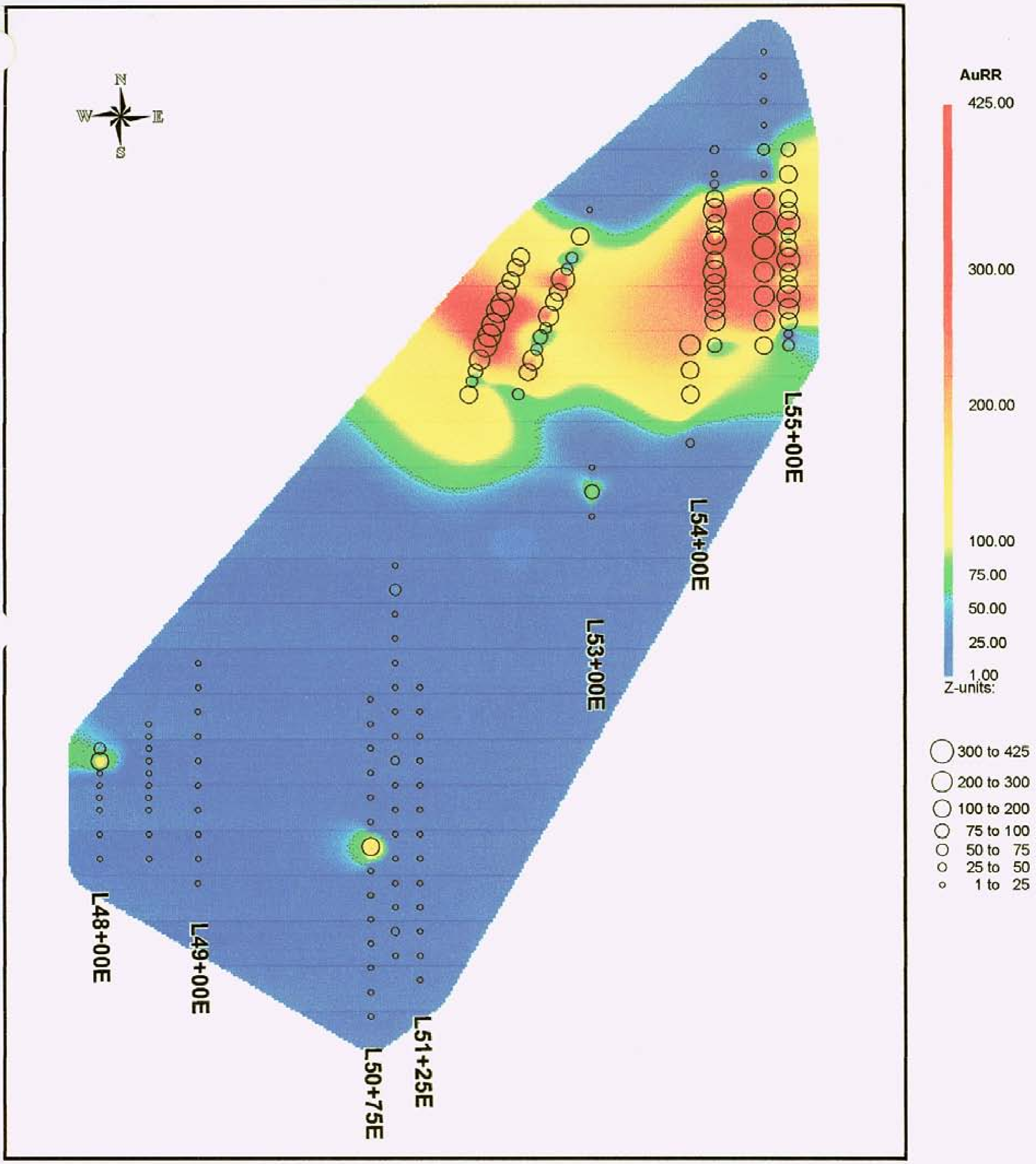
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - AsRR

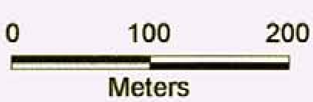


Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - AuRR

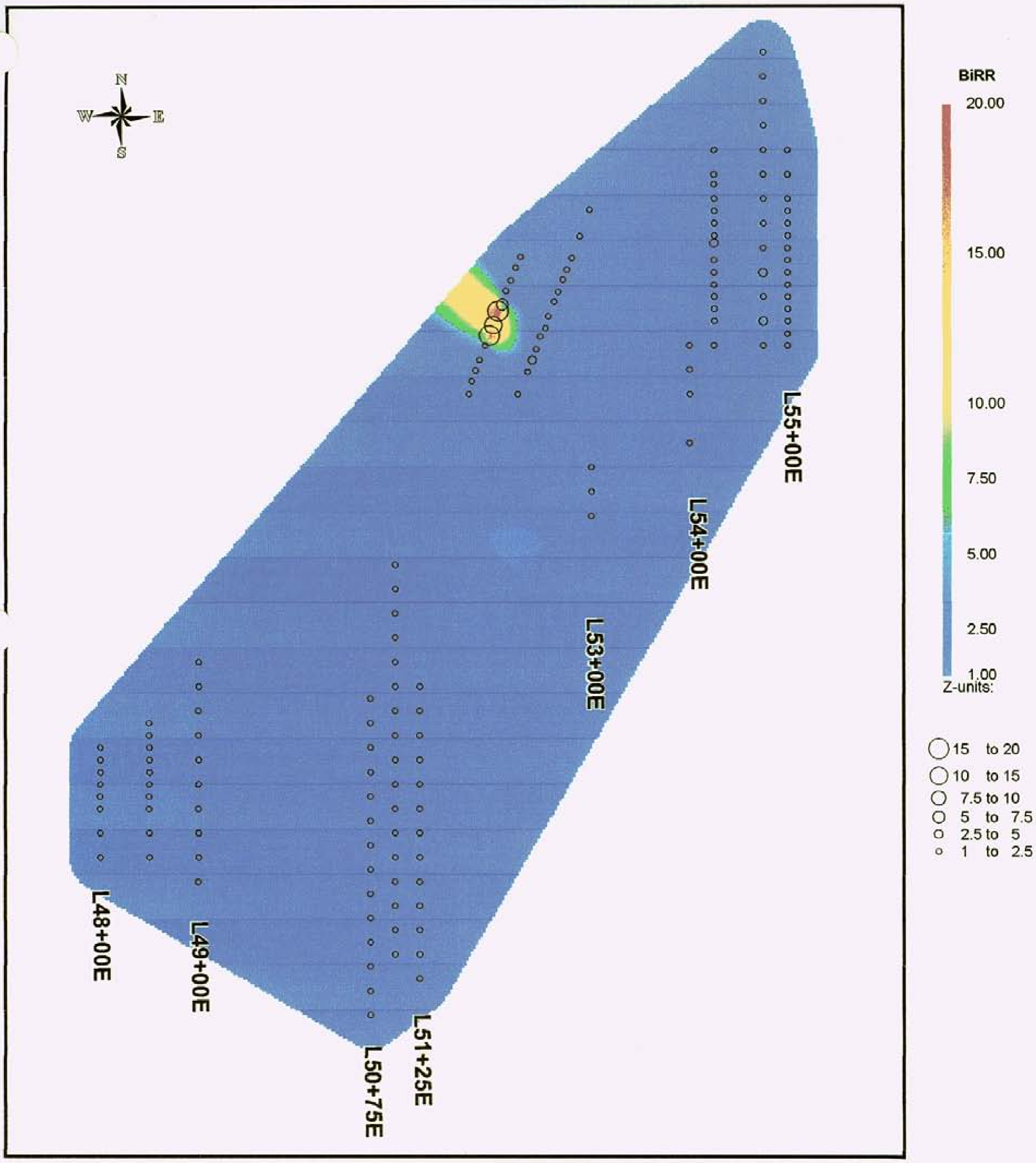




Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - BiRR

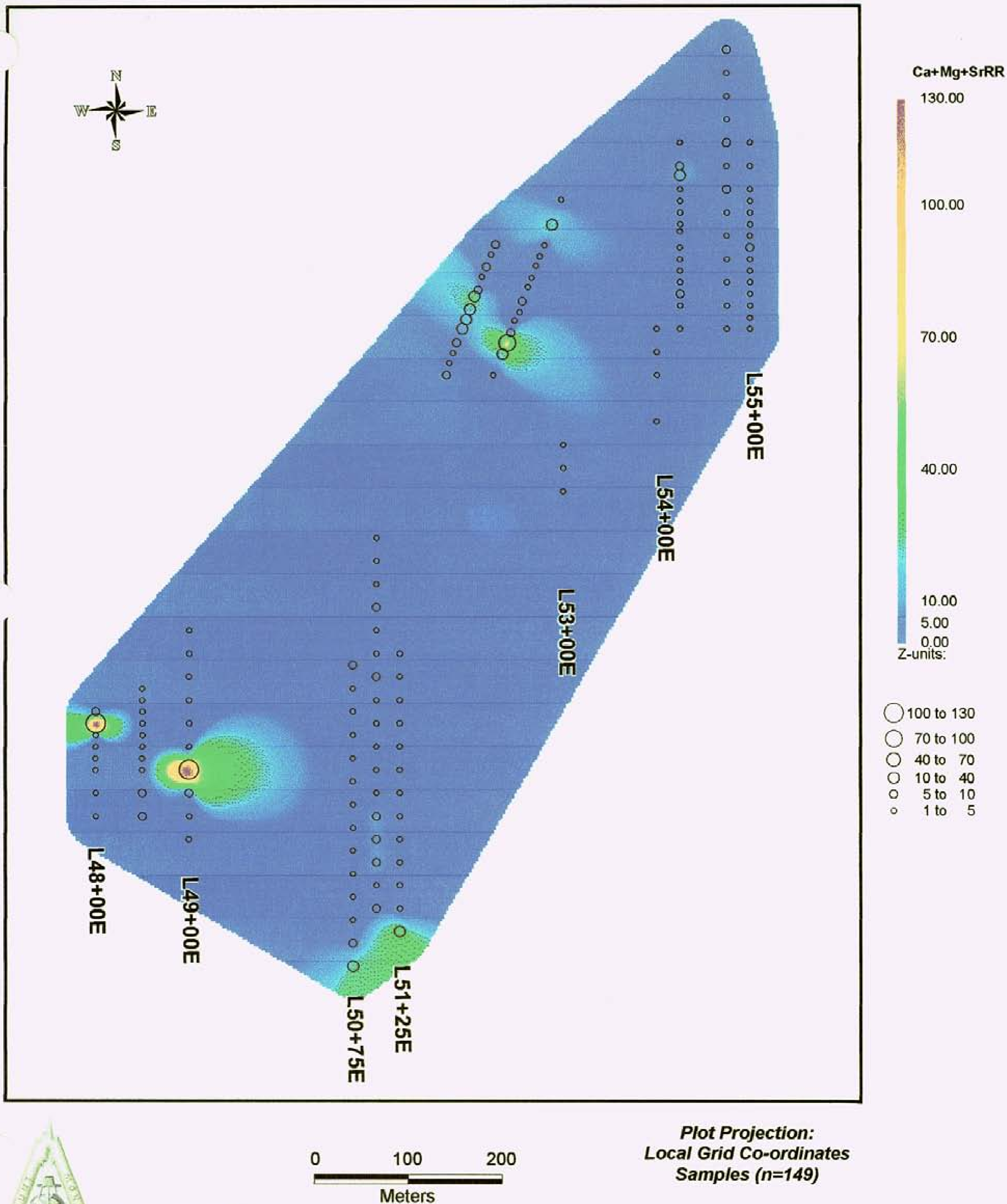


0 100 200
Meters

Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

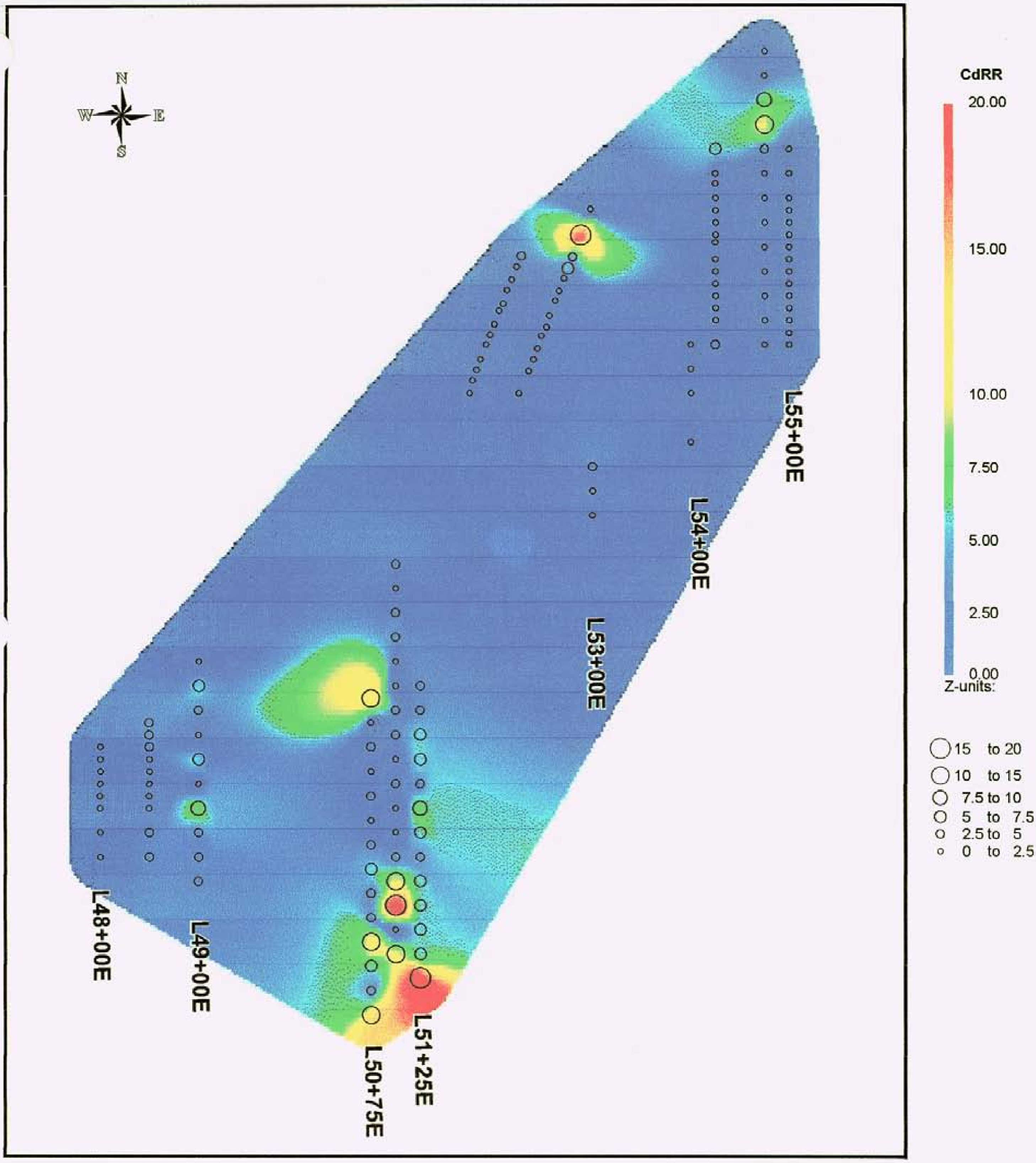
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - Ca+Mg+SrRR

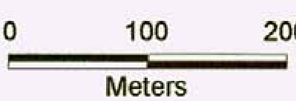


Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - CdRR

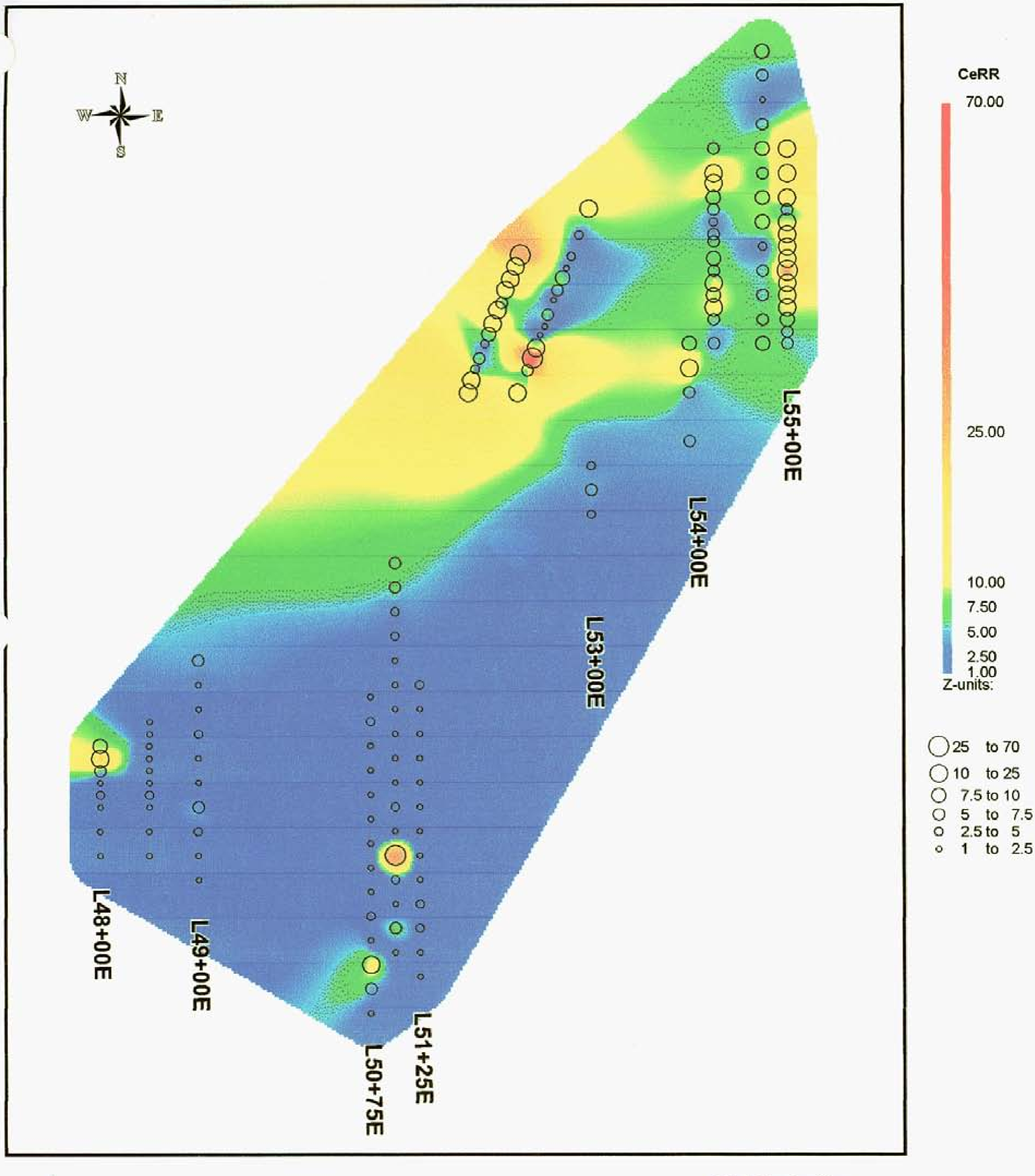




Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

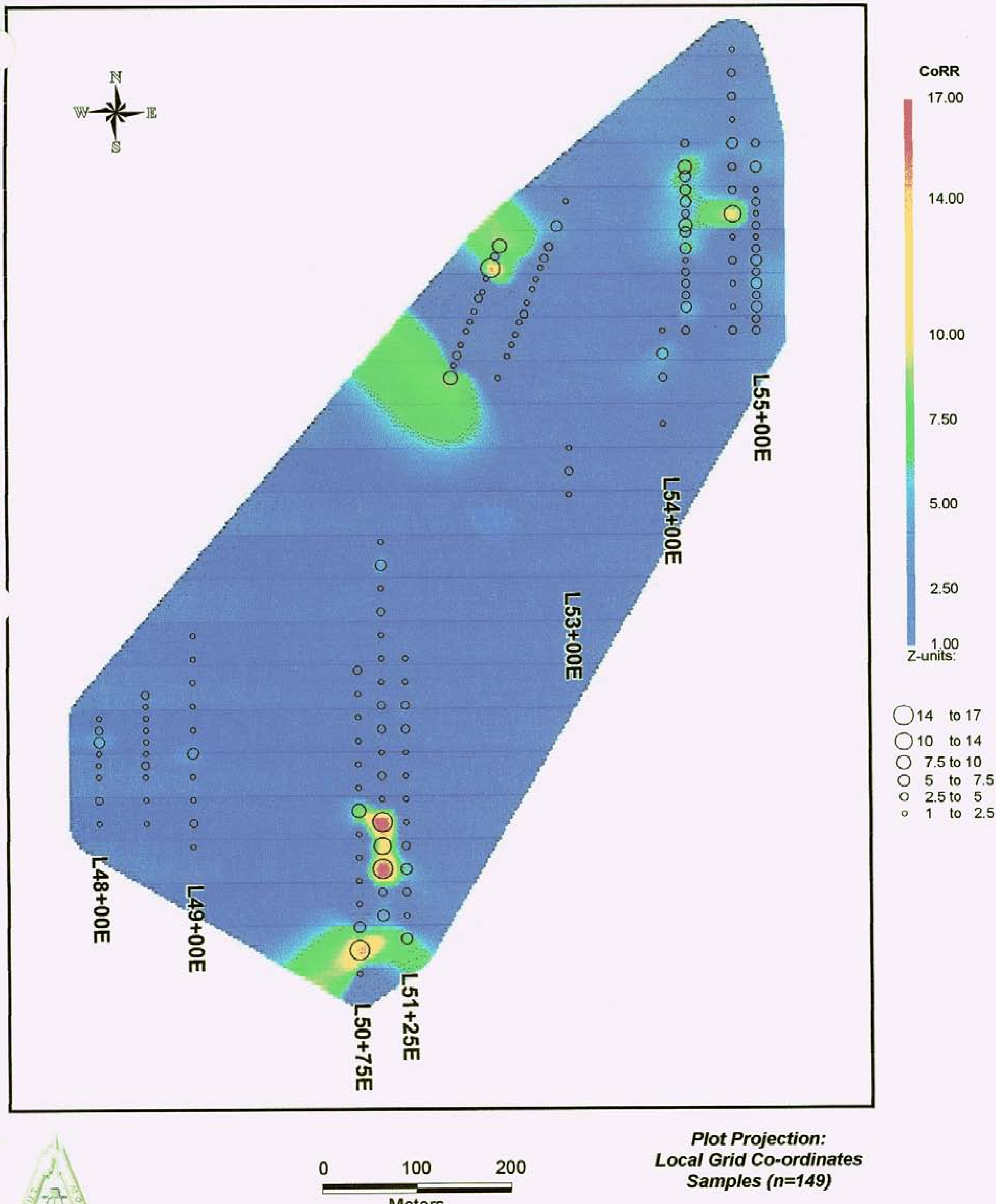
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - CeRR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

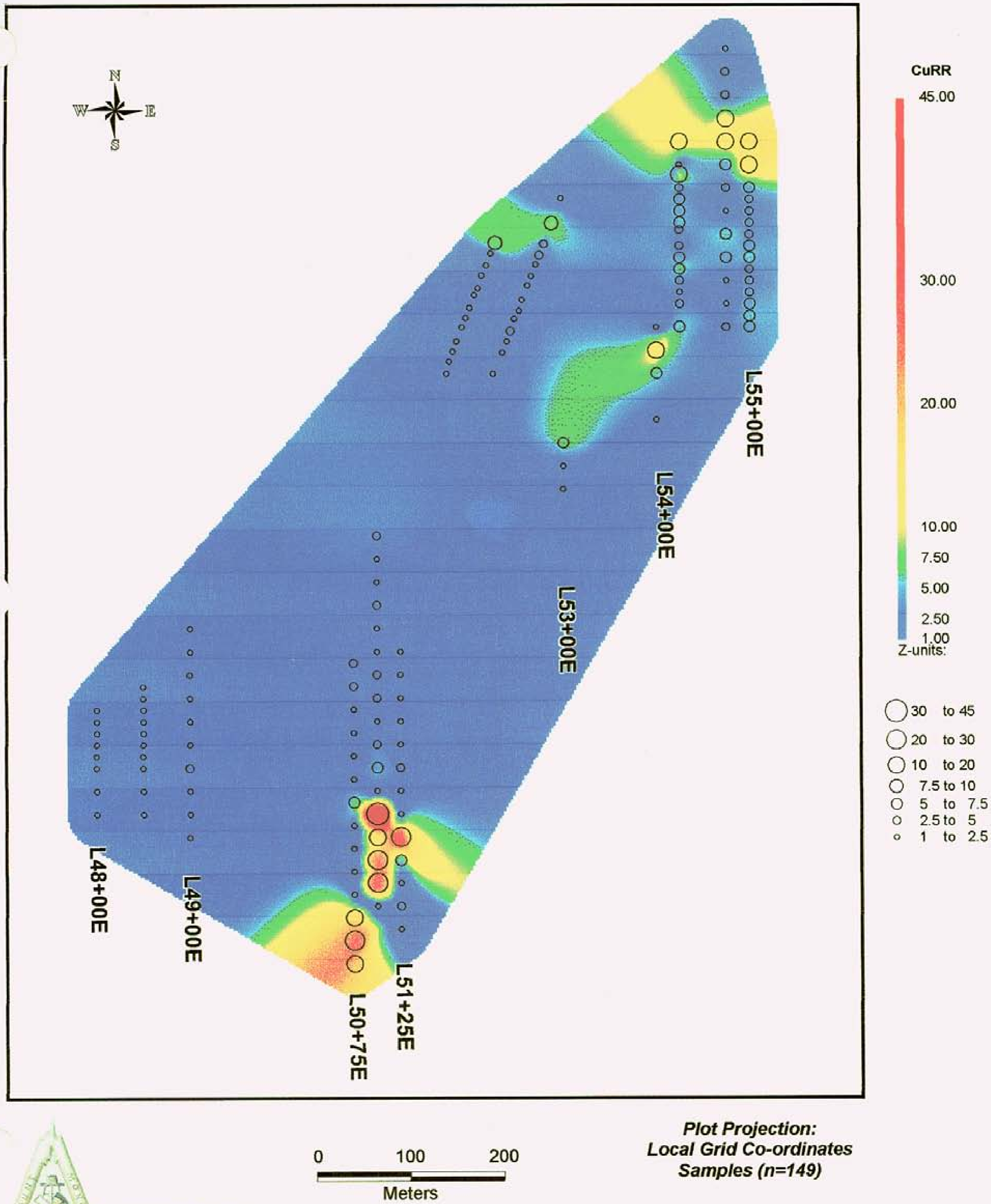
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - CoRR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

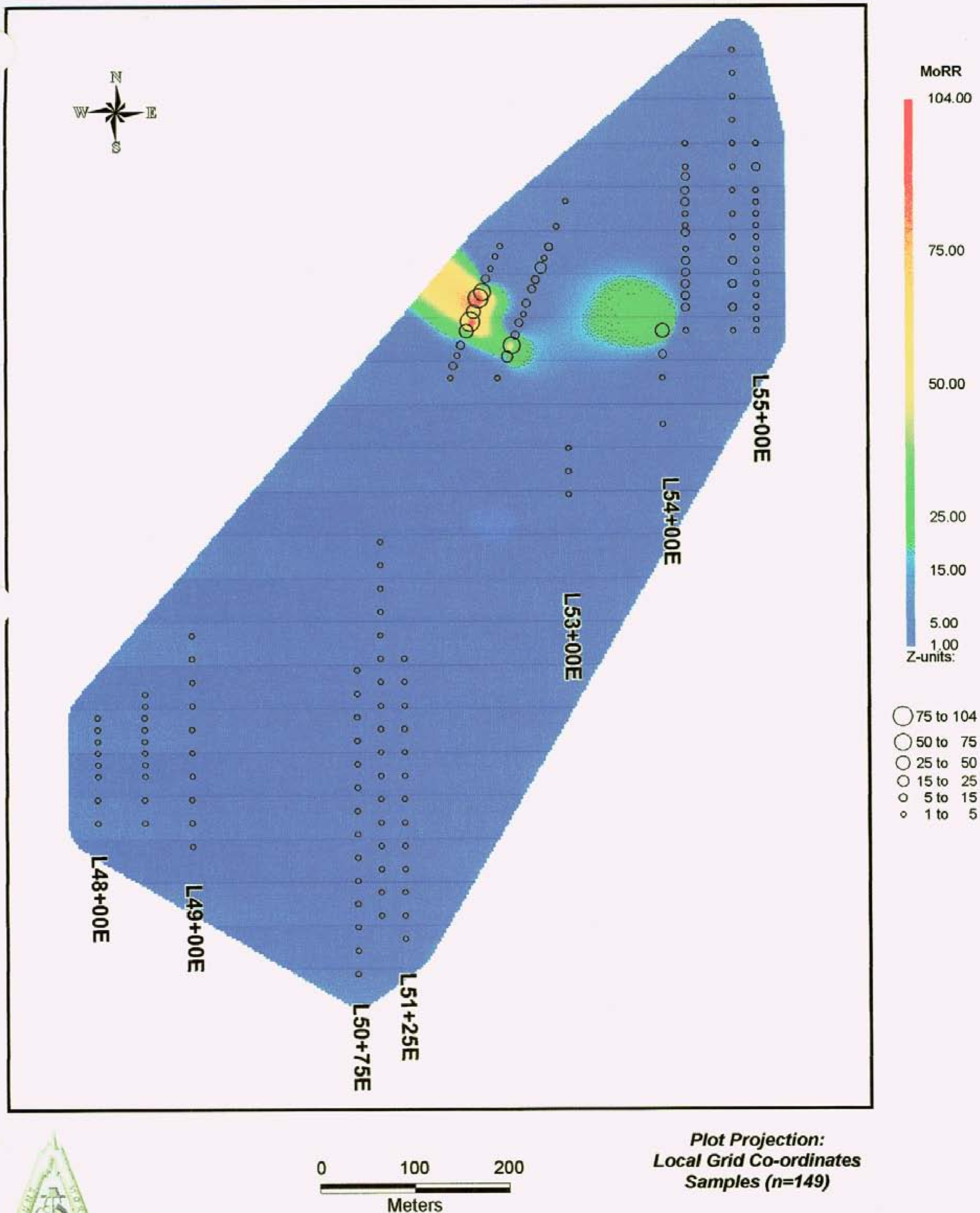
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - CuRR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

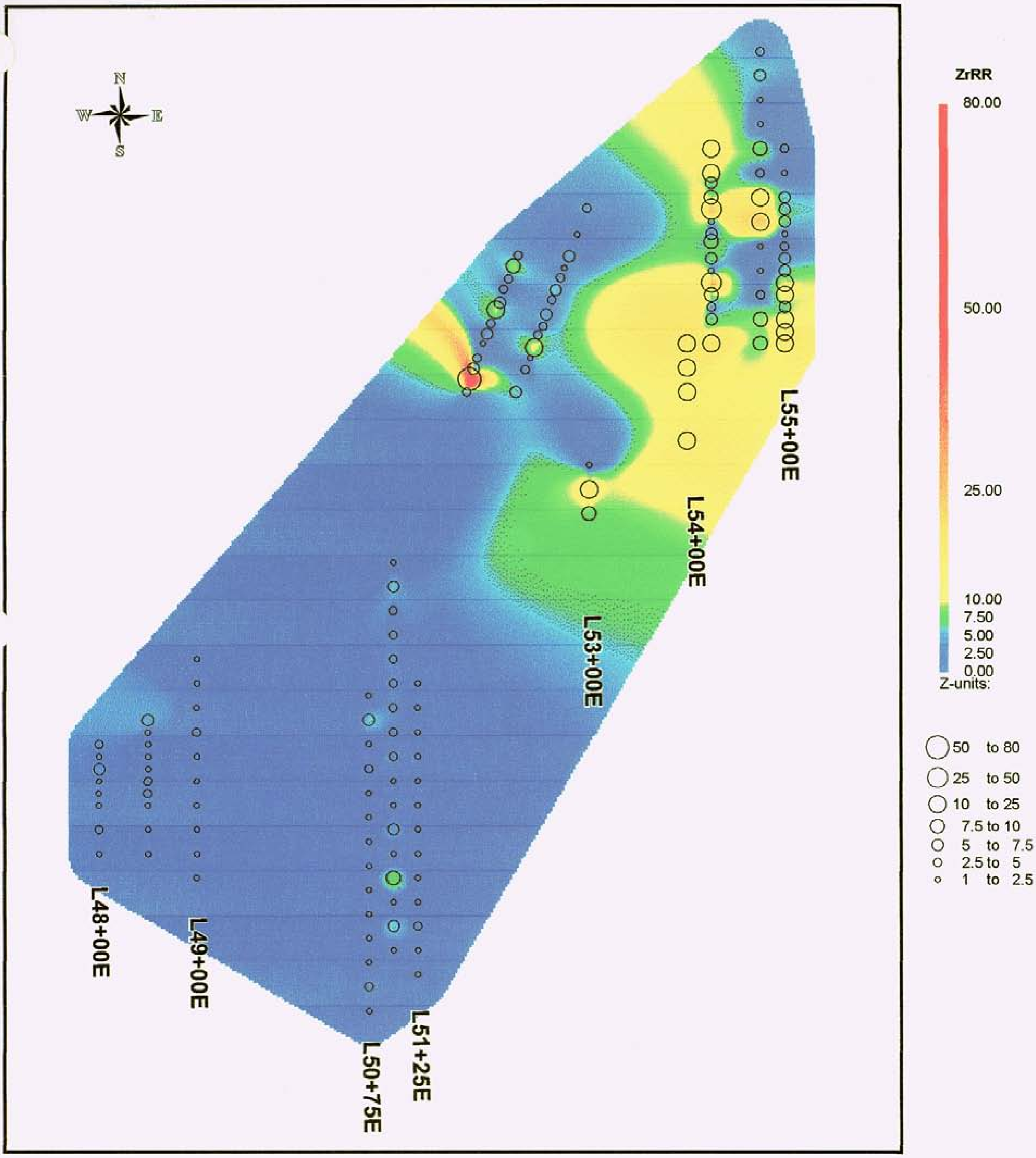
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - MoRR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

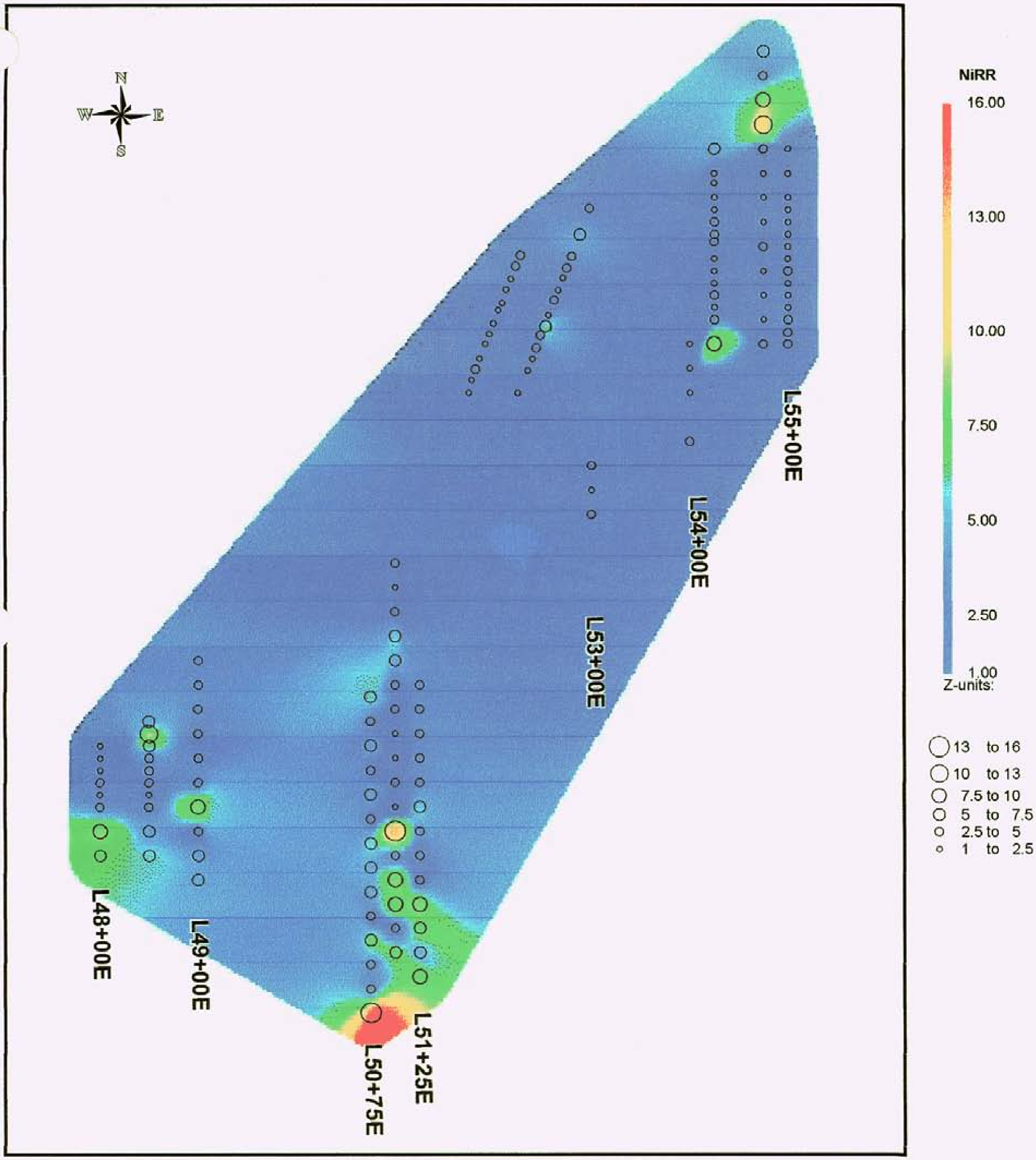
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - ZrRR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - NiRR

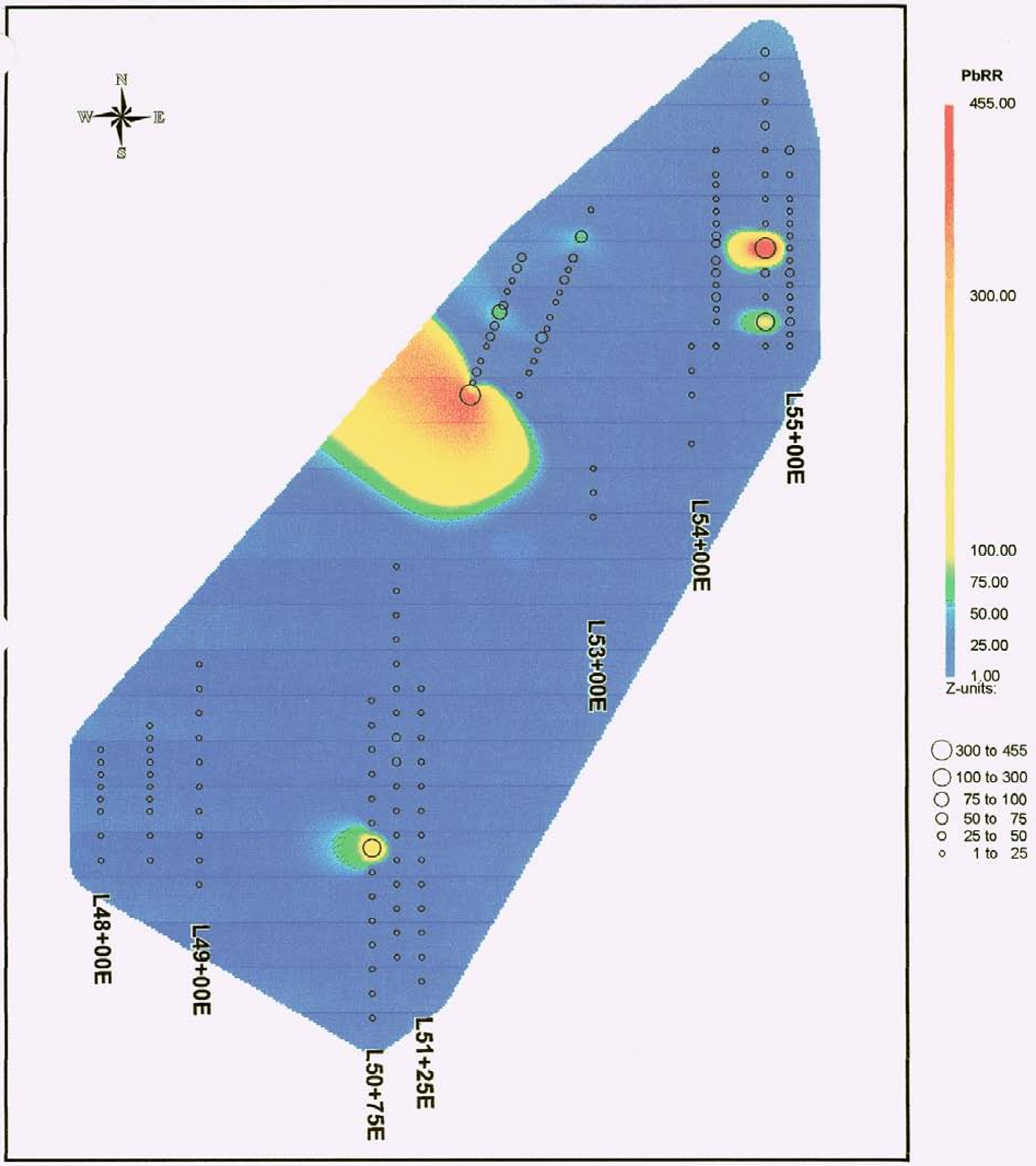


0 100 200
Meters

Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - PbRR

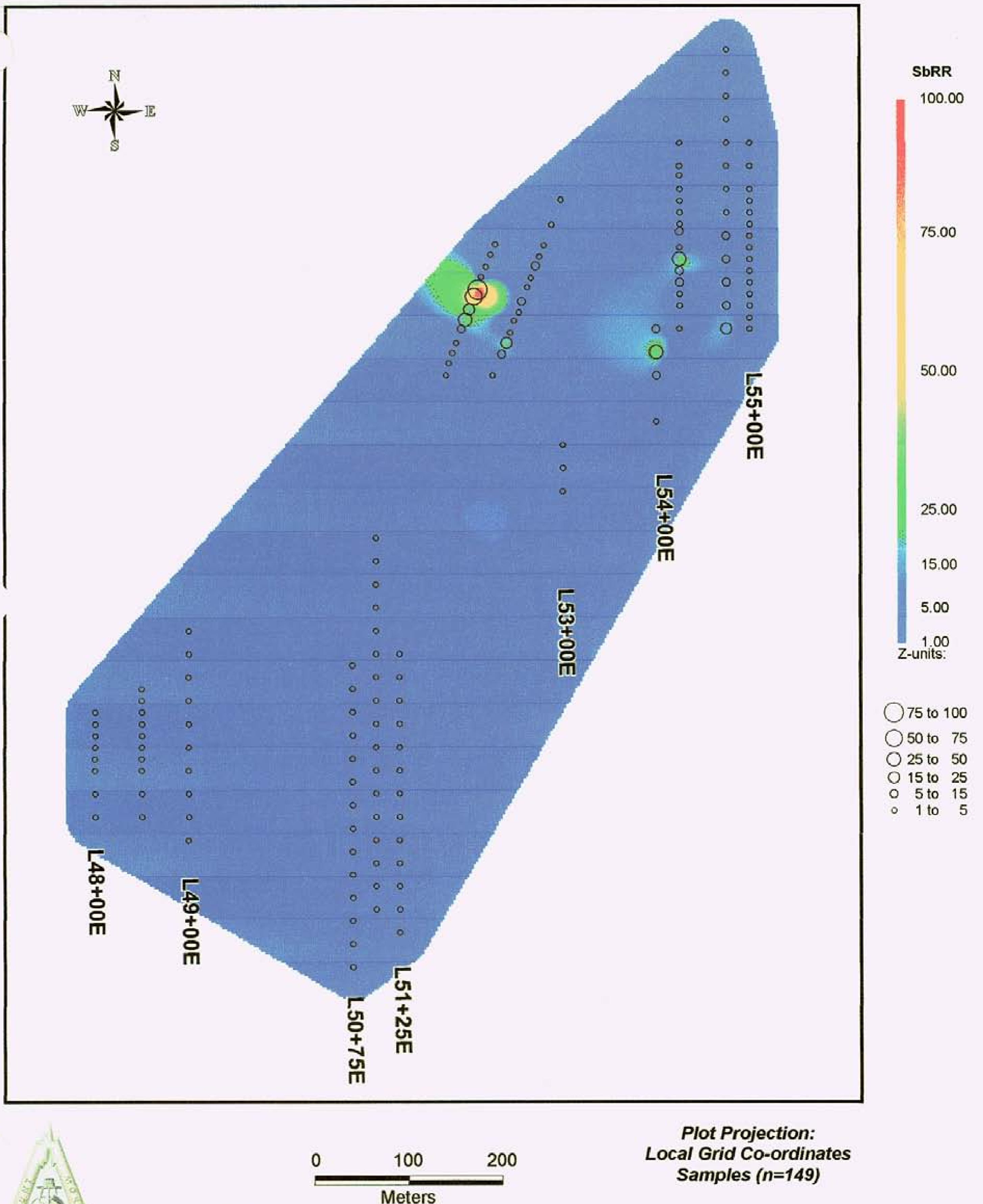


0 100 200
Meters

Geochemistry plots by:

Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

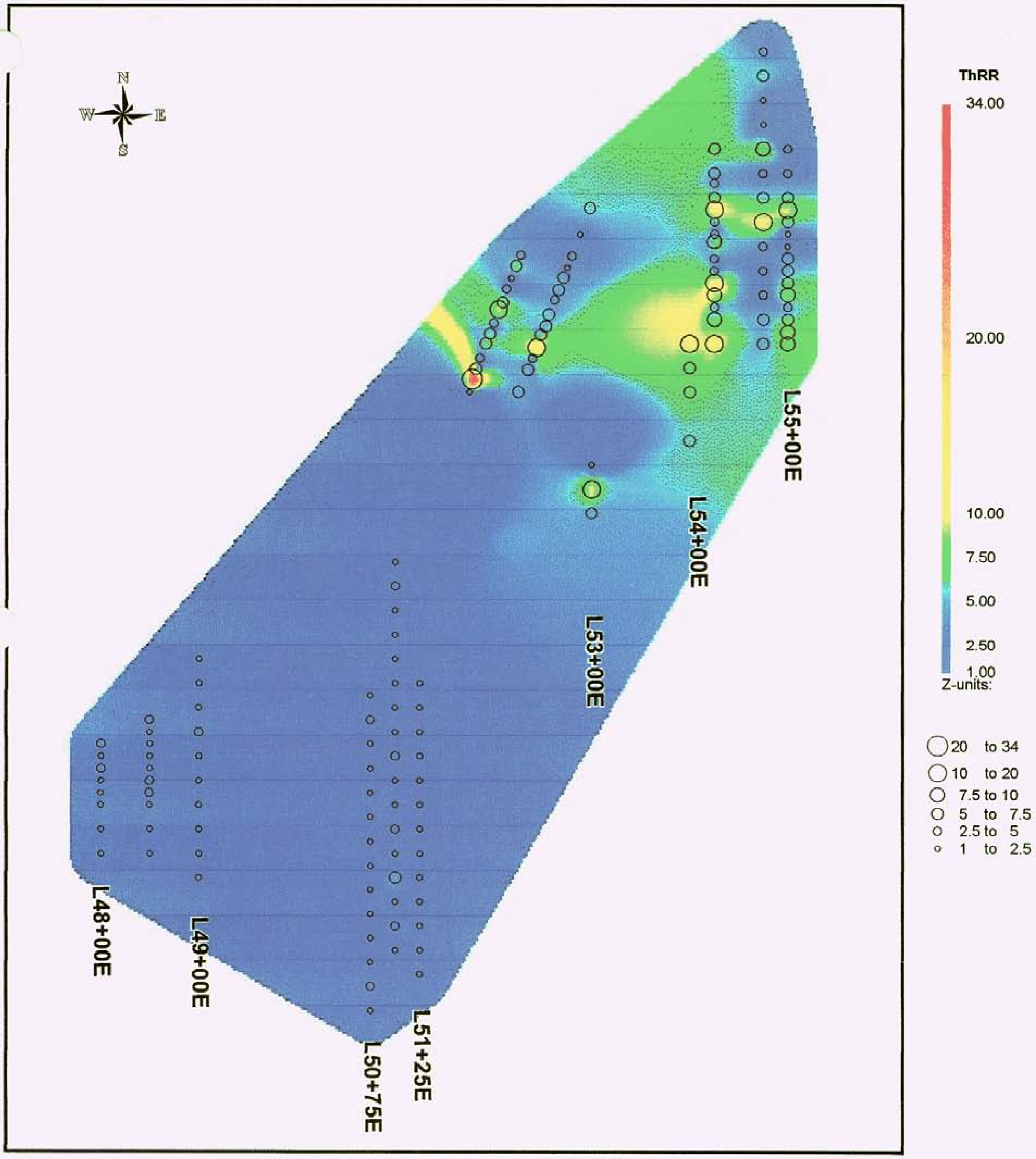
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - SbRR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - ThRR

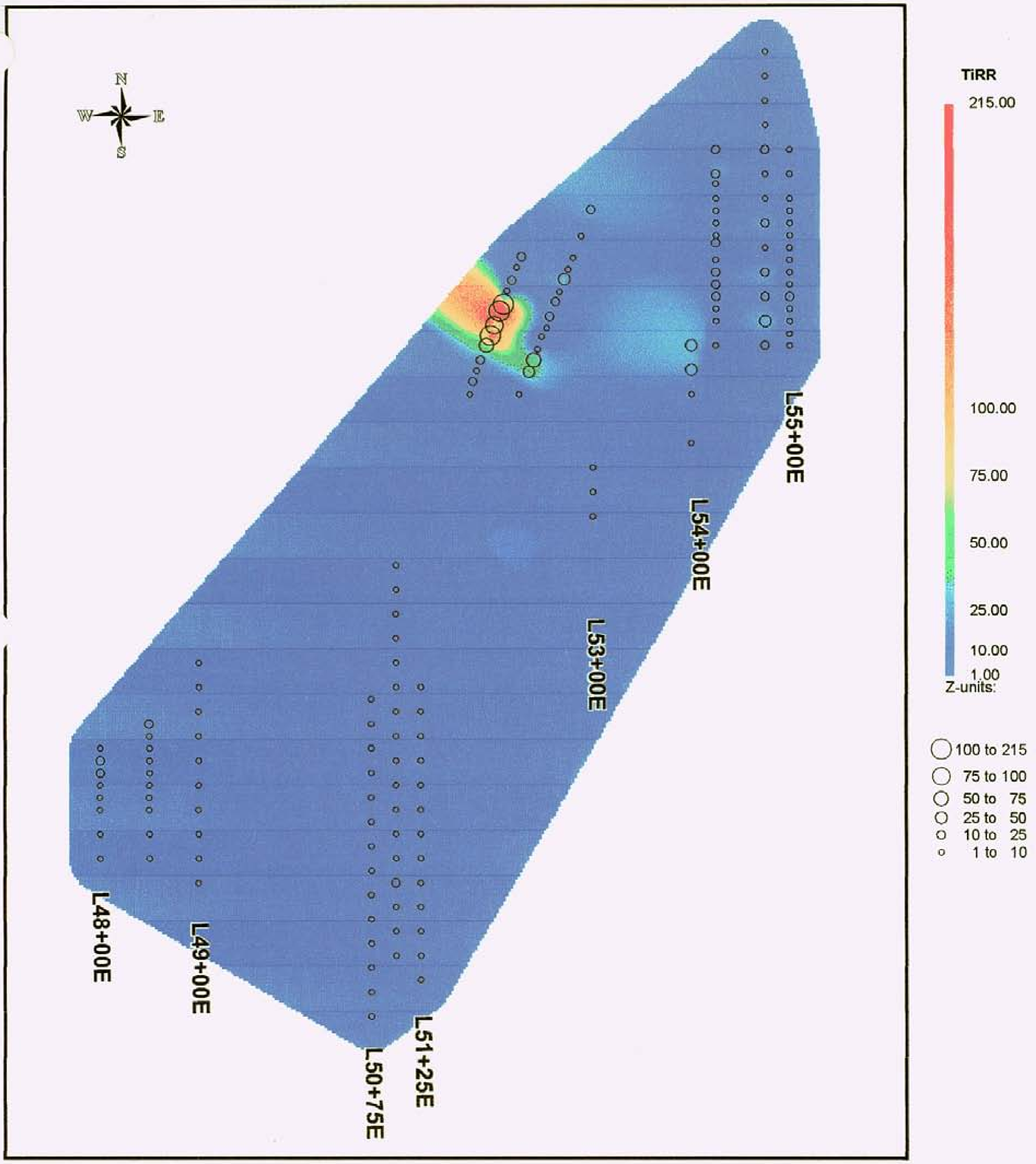


0 100 200
Meters

Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - TiRR

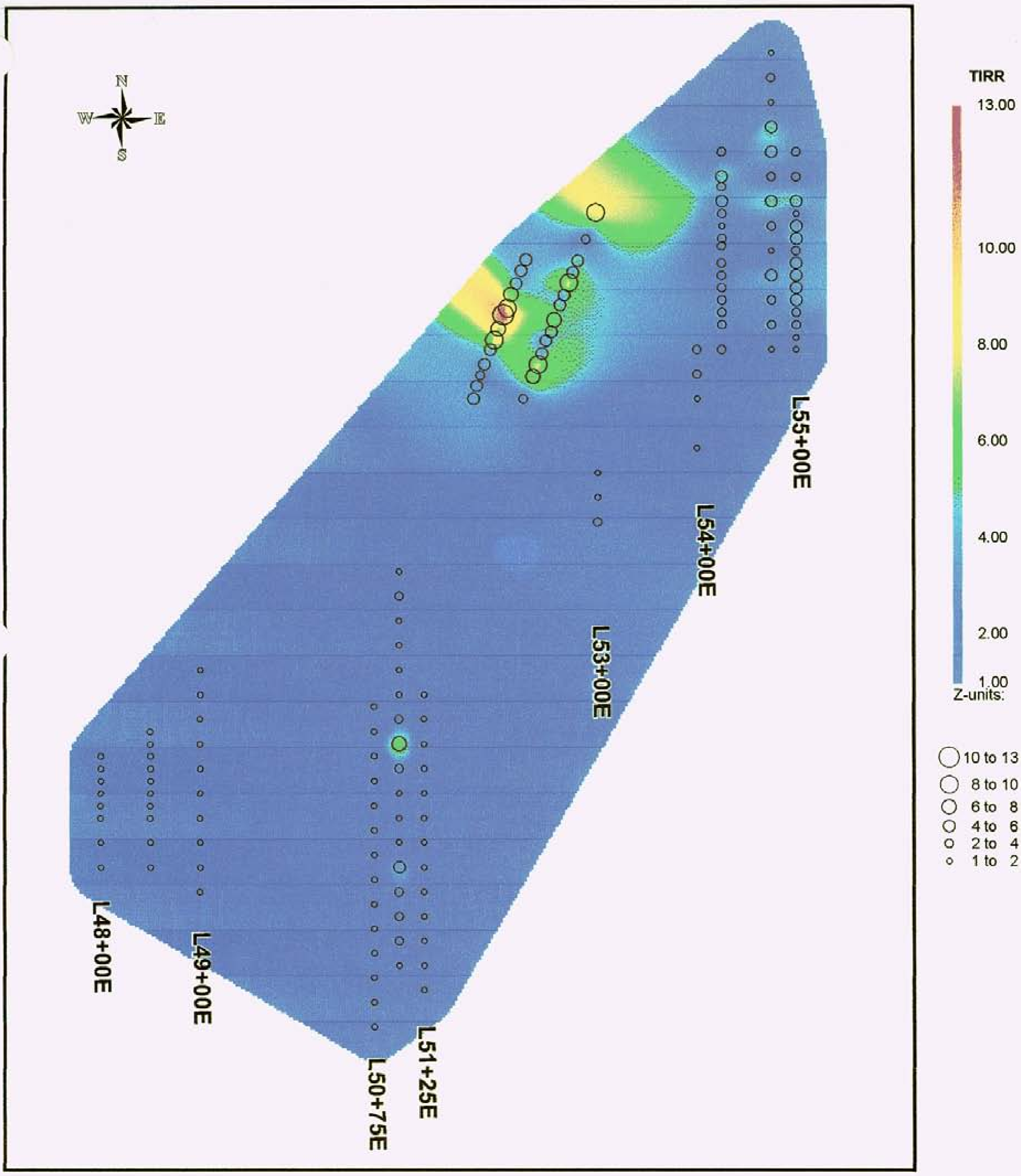


0 100 200
Meters

Geochemistry plots by:

Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - TIRR

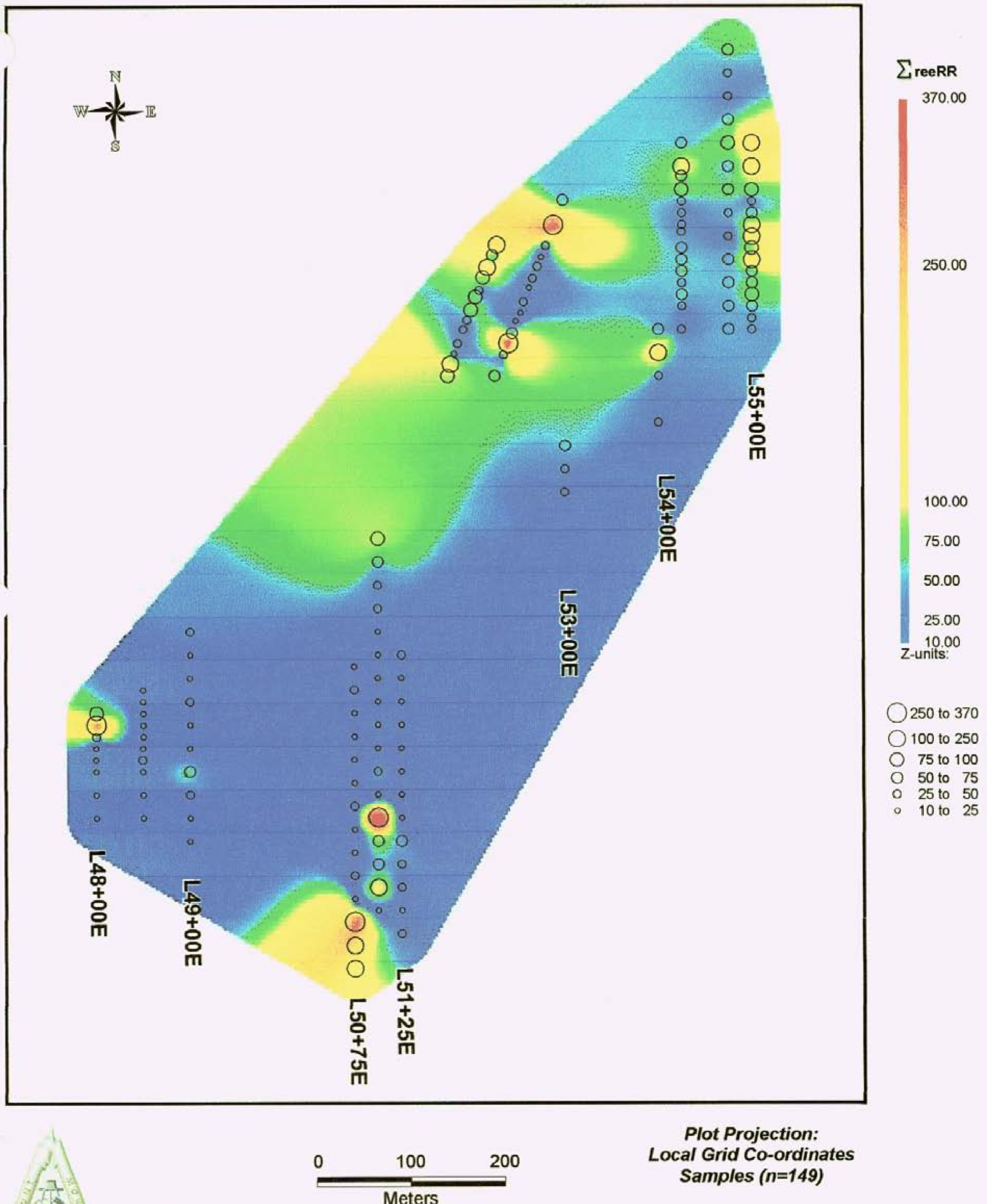


0 100 200
Meters

Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

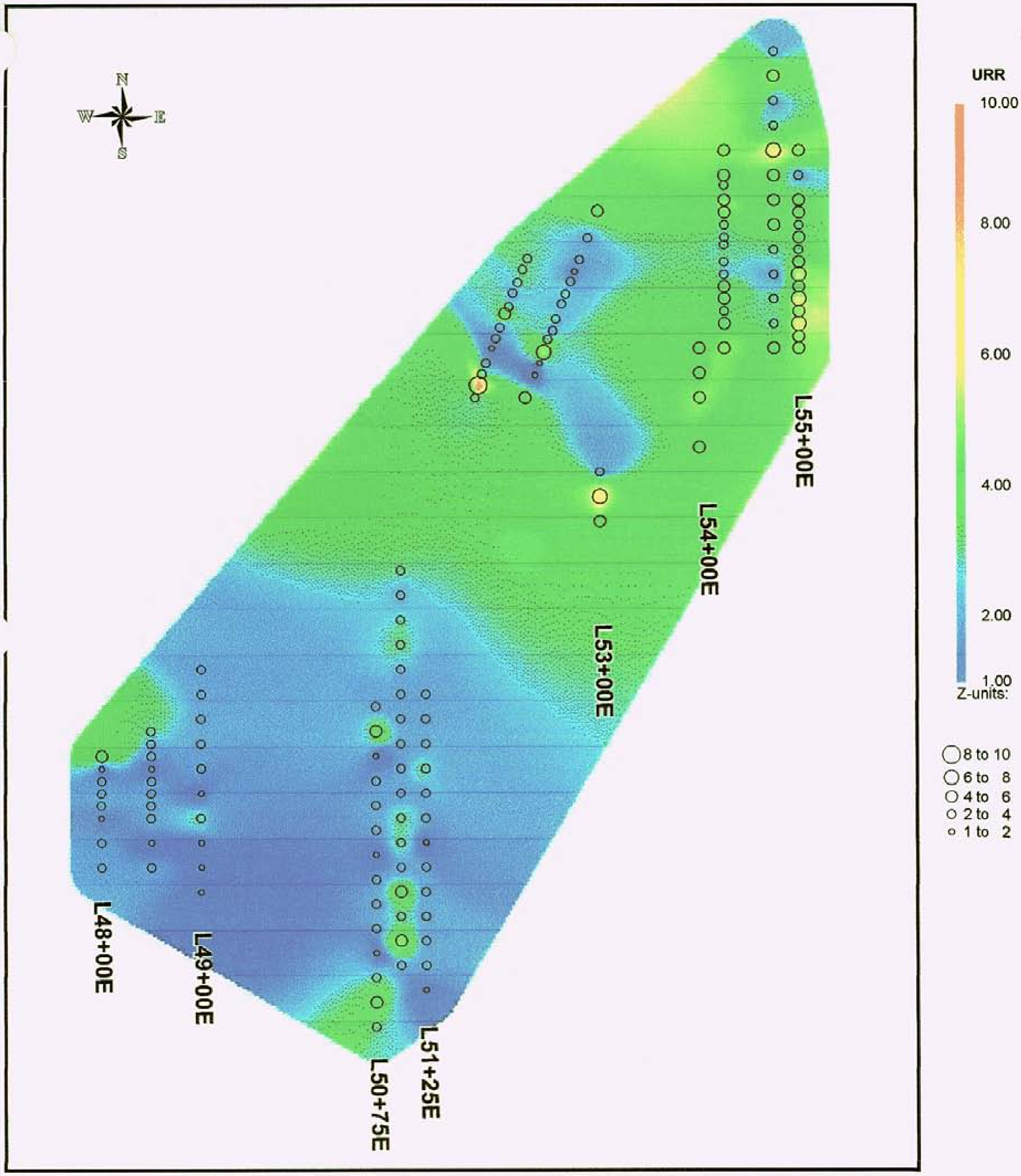
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - Σ reeRR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

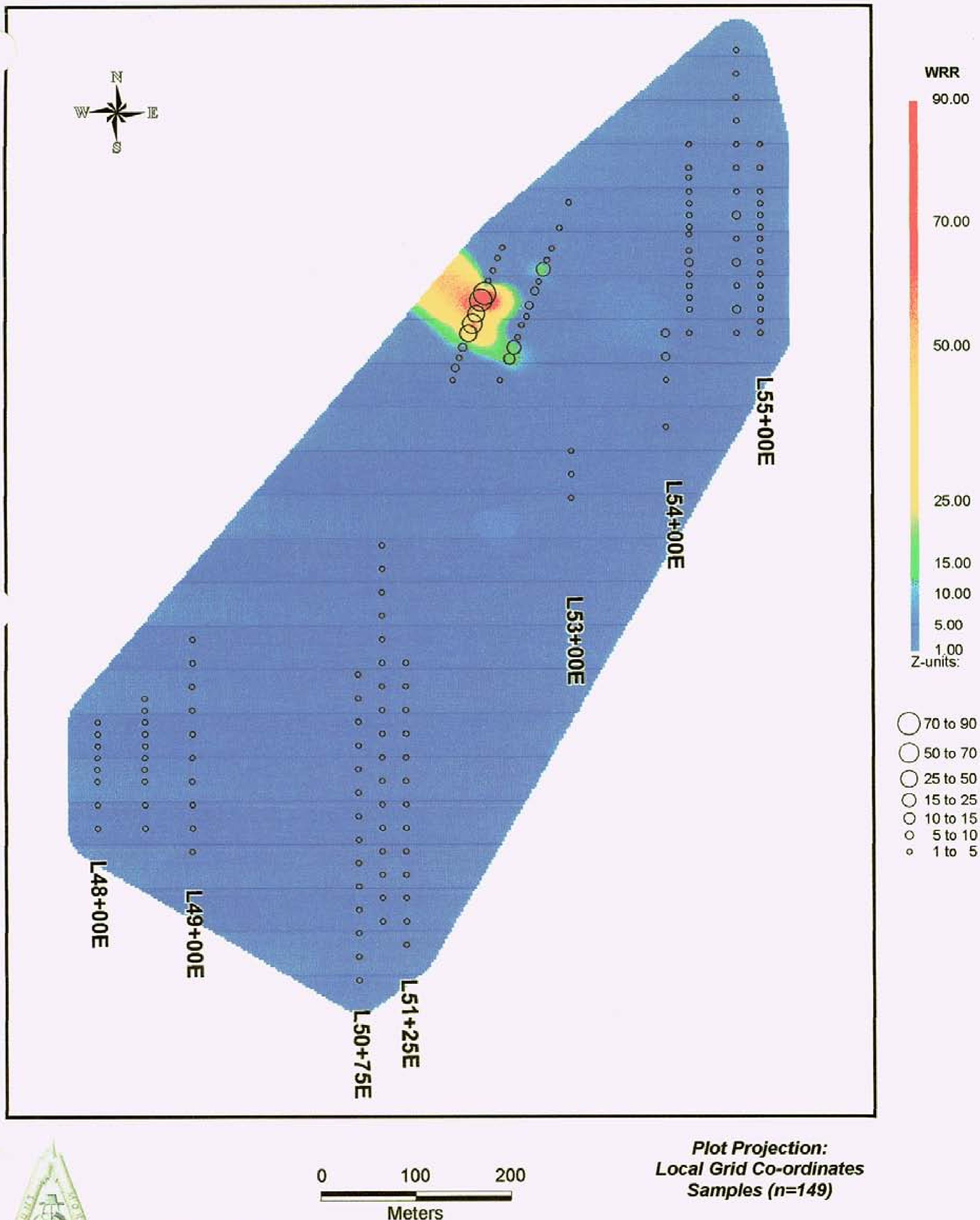
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - URR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

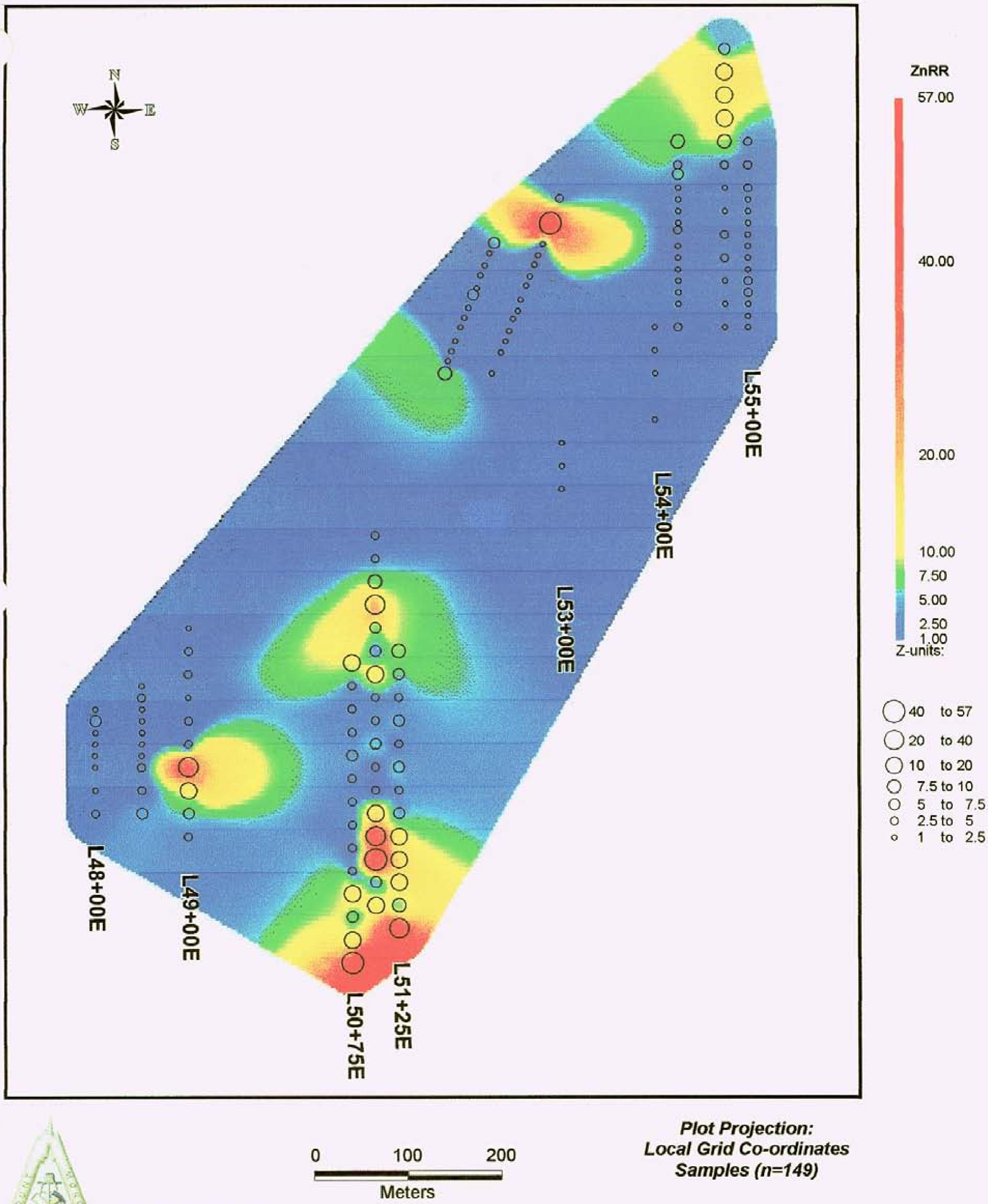
GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - WRR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

GEOFINE STEWART PROPERTY DELTAIC GRID
MMI-M SURVEY 2006 - ZnRR



Plot Projection:
Local Grid Co-ordinates
Samples (n=149)

Geochemistry plots by:

ORIENTATION RESULTS

Results Of Mobile Metal Ions Process (MMI-M) Soil Geochemical Surveys on
The Stewart Property (Deltaic Grid), Stewart Area, B.C.

ORIENTATION RESULTS

APPENDIX 1O

Results Of Mobile Metal Ions Process (MMI-M) Soil Geochemical Surveys on
The Stewart Property (Deltaic Grid), Stewart Area, B.C.

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTK	1	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB
500-A	6	>300	<10	1	200	<1	<10	20	19	46	850	11	7.6	2.2	178	7	14	<5	2	8	12.5	16	121	180
500-B	6	212	<10	0.9	110	<1	<10	10	13	11	770	13	6.5	1.7	27	7	7	<5	<1	<5	4.1	11	26	50
500-C	15	255	<10	3.3	100	<1	<10	<10	90	8	690	28	11.8	5.8	16	26	37	<5	<1	5	11.6	70	13	60
500-D	21	259	<10	5.7	120	<1	<10	<10	101	10	650	25	10.3	6	29	26	42	<5	<1	<5	11.8	77	16	80
502-A	4	227	<10	1.4	130	<1	<10	<10	13	10	2850	14	7.8	1.7	31	7	8	<5	<1	5	6.6	11	31	110
502-B	9	221	<10	3.1	60	<1	<10	10	20	6	3480	23	11.8	3.3	13	14	10	<5	<1	<5	4.9	21	15	70
502-C	22	275	20	16.7	200	<1	<10	<10	72	33	2830	22	10.8	5.5	23	20	34	<5	<1	7	7.8	54	11	40
502-D	38	273	20	21	150	<1	<10	<10	104	25	2240	29	13	7.4	23	29	47	<5	<1	7	6.1	79	9	20
503-A	11	141	<10	1.7	70	<1	<10	<10	34	<5	9640	18	14.2	3.1	66	11	18	<5	<1	5	4.3	28	14	50
503-B	9	210	10	4	80	<1	<10	10	402	7	7520	232	112	65	36	265	140	<5	<1	7	15.8	597	16	120
503-C	14	222	40	8.7	160	<1	<10	<10	397	21	5310	153	70.8	46.8	83	178	197	<5	<1	13	49.4	461	10	80
503-D	37	169	120	25.6	320	<1	<10	<10	371	36	5220	111	50.6	40	122	140	155	<5	<1	26	24	419	7	90
504-A	5	194	<10	2.1	120	<1	<10	<10	20	20	910	23	15.3	2.7	44	11	8	<5	<1	<5	5.7	16	31	240
504-B	9	202	<10	5.1	30	<1	<10	<10	104	6	920	47	22.4	9.6	31	43	34	<5	<1	8	28.6	103	11	160
504-C	32	185	70	29.4	180	<1	<10	<10	216	8	660	35	15	8.7	87	40	85	<5	<1	25	18.2	148	6	220
504-D	44	154	150	32.5	300	1	<10	<10	174	8	800	29	12.4	8.6	147	33	69	<5	<1	70	28.5	121	6	100
505-A	23	>300	<10	6.3	270	<1	<10	<10	33	38	1420	19	10.8	4	166	13	14	<5	<1	10	6.4	27	95	430
505-B	5	212	<10	2.3	120	<1	<10	<10	48	16	730	9	4.1	3	74	10	22	<5	<1	6	7.3	31	32	80
505-C	20	235	<10	8.2	110	<1	<10	<10	77	20	1090	27	12	6	23	26	28	<5	<1	6	4.4	64	20	40
505-D	53	226	20	15.4	140	<1	<10	<10	172	19	1040	34	15	9.5	48	41	63	<5	<1	10	8.3	139	17	70
506-A	5	175	<10	3.7	150	<1	<10	<10	48	15	810	8	3.7	2.6	87	9	23	<5	<1	6	5.8	27	33	170
506-B	9	180	<10	2.6	50	<1	<10	20	12	41	1510	21	13	1.9	23	9	5	<5	<1	<5	4.1	11	29	110
506-C	43	225	<10	17.2	90	<1	<10	<10	221	9	1160	40	17	11.7	27	50	82	<5	<1	5	15.4	174	11	370
506-D	82	143	50	36.1	310	2	<10	<10	164	6	830	33	15.8	8.6	116	37	60	<5	<1	13	14.2	128	6	1140
507-A	20	194	<10	10.8	60	<1	<10	<10	101	26	1920	45	23.4	8.9	23	38	30	<5	<1	8	2.7	86	24	140
507-B	78	187	<10	24.8	70	<1	<10	<10	289	10	890	44	21.8	15	23	60	106	<5	<1	11	4.6	231	8	120
507-C	102	160	10	28.7	170	<1	<10	<10	178	15	770	42	19.5	14	23	60	60	<5	<1	14	5.4	159	6	130
507-D	94	115	40	39.9	240	<1	<10	<10	142	12	690	35	18.5	12.9	48	42	52	<5	<1	31	7.3	141	6	170
508-A	10	146	20	10.6	100	<1	<10	<10	161	69	2610	57	33.6	13.2	45	46	31	<5	<1	13	3.8	113	25	380
508-B	53	133	10	28.4	40	<1	<10	<10	163	20	1050	40	19.7	13	30	50	62	<5	<1	7	6.8	161	11	180
508-C	73	94	20	30.6	150	<1	<10	<10	136	14	640	29	14.9	14.1	29	45	48	<5	<1	11	5.7	165	5	210
508-D	84	166	80	39.1	220	2	<10	<10	123	14	1980	37	20.5	13.7	89	44	41	<5	<1	17	13.2	134	9	310
509-A	3	199	<10	1.9	180	<1	<10	80	33	32	1520	11	5.8	2.8	96	9	8	<5	<1	9	3.2	19	62	270
509-B	5	215	<10	1.8	150	<1	<10	80	11	8	1620	12	7.6	2	37	7	5	<5	<1	10	2	12	56	90
509-C	24	235	<10	13.9	50	<1	<10	40	34	9	2100	22	12.9	4	18	15	12	<5	<1	8	1.1	30	21	650
509-D	72	255	20	55.8	80	<1	<10	10	75	10	2040	22	10.9	6	27	21	29	<5	<1	11	4.6	67	14	5070
510-A	12	210	<10	4.5	140	<1	<10	<10	8	21	1900	13	9.6	1	60	4	3	<5	<1	6	2.7	4	40	170
510-B	20	227	20	22.8	100	<1	<10	10	81	49	1900	29	14.5	7.3	70	27	24	<5	<1	10	12.5	62	17	190
510-C	47	207	20	44.7	200	<1	<10	<10	133	68	1010	26	11.1	7.8	53	28	47	<5	<1	9	31.6	84	7	70
510-D	59	137	10	64.8	220	<1	<10	<10	201	54	630	27	11.6	8.3	37	31	57	<5	<1	<5	23.3	102	5	40
511-A	9	182	<10	3.9	120	<1	<10	<10	6	35	1880	6	5.9	0.5	68	1	3	<5	<1	<5	2	2	27	110
511-B	39	223	<10	27.2	60	<1	<10	<10	145	26	1590	33	15.9	9.3	26	35	52	<5	<1	<5	6.8	103	11	140
511-C	63	131	10	47.1	300	<1	<10	<10	166	20	1040	28	12.7	8.9	21	34	69	<5	<1	<5	5.8	114	5	100
511-D	44	88	30	66.6	420	<1	<10	<10	146	42	510	19	8.9	6.3	27	24	58	<5	<1	<5	9.9	84	6	90
512-A	10	214	<10	5.1	210	<1	<10	40	22	43	3060	18	9.7	2.9	50	12	7	<5	1	10	2.6	20	67	420
512-B	50	204	<10	14.5	50	<1	<10	<10	148	11	2440	37	17.7	10.5	13	41	68	<5	<1	7	1.9	127	17	160
512-C	123	198	20	35.7	80	<1	<10	<10	208	43	1850	42	20.6	13.5	19	53	116	<5	<1	11	4.5	186	11	100
512-D	163	133	10	41.5	200	<1	<10	<10	209	21	1020	40	17.4	12.1	18	49	99	<5	<1	11	10.3	162	6	70
513-A	9	150	20	5.1	220	<1	<10	<10	78	65	2960	14	7.2	4.2	92	14	28	<5	1	12	2.4	43	32	280
513-B	48	169	<10	10.8	40	<1	<10	10	50	12	5740	51	28.9	7.8	9	32	13	<5	<1	<5	1.8	60	16	280
513-C	37	216	<10	4.4	40	<1	<10	10	94	11	3210	41	19.2	10	6	39	30	<5	<1	5	0.9	95	16	50
513-D	23	251	10	1.8	70	<1	<10	<10	160	19	1830	42	19	12.7	9	48	59	<5	<1	<5	1.4	140	13	10
514-A	5	179	10	4.7	280	<1	<10	40	19	78	5450	25	18.8	2.3	84	10	7	<5	2	8	1.2	13	43	400
514-B	26	189	10	7	120	<1	<10	40	82	26	5690	55	31.5	10.4	17	42	32	<5	<1	6	1.7	96	43	320
514-C	37	223	10	3.4	120	<1	<10	30	146	14	3150	57	29.1	15.6	13	63	82	<5	<1	6	3.1	188	28	170
514-D	93	263	20	9.8	250	<1	<10	20	202	30	3830	61	31.1	16.1	18	69	103	<5	<1	9	6.1	201	15	210
515-A	6	221	10	0.6	280	<1	10	50	31	93	2140	25	15.1	4.1	87	17	14	<5	5	10	1.7	31	115	740
515-B	20	261	10	1.2	120	<1	<10	30	87	26	3360	45	21.5	9.4	27	40	36	<5	1	7	1.4	87	81	520
515-C	29	257	10	1.8	100	<1	<10	40	112	22	3890	52	25.9	10.7	21	46	45	<5	<1	7	2.3	108	72	470
515-D	36	256	<10	1.9	60	<1	<10	50	123	13	4170	67	31	13.8	12	60	44	<5	<1	<5	1.4	131	60	380
516-A	6	204	<10	1.1	180	<1	<10	40	8	58	850	18	12.8	1.6	57	7	4	<5	2	<5	1.7	8	55	650
516-B	10	199	<10	1.1	70	<1	<10	40	9	31	1180	26	15.8	2.3	15	11	4	<5	<1	<5	1	11	41	200
516-C	12	258	<10	0.8	50	<1	<10	20	44	21	1080	27	13.8	5.2	13	22	17	<5	<1	<5	1.4	46	42	100

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTI	1	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB
516-D	15	257	10	0.7	50	<1	<10	40	47	23	1190	34	17.8	6	11	27	18	<5	<1	<5	1.4	54	47	160
517-A	7	250	<10	1.4	100	<1	<10	30	24	27	1030	31	18.3	4.4	25	18	9	<5	<1	<5	1.7	28	35	390
517-B	10	267	10	0.7	110	<1	<10	10	70	11	950	32	15.2	6.8	9	28	29	<5	<1	<5	2.8	67	22	270
517-C	9	282	20	0.7	240	<1	<10	10	111	13	920	34	15.4	8.3	9	35	50	<5	<1	<5	3.1	97	19	310
517-D	15	295	30	0.6	370	<1	<10	10	101	19	1120	43	20.9	8.3	8	38	46	<5	<1	<5	3	90	19	370
518-A	4	202	<10	1.1	160	<1	<10	<10	10	23	740	25	17.4	2.4	46	10	5	<5	<1	<5	1.6	11	31	510
518-B	9	232	<10	0.7	40	<1	<10	10	106	17	690	41	20.2	10	10	40	43	<5	<1	<5	2.2	111	28	430
518-C	7	210	<10	0.6	60	<1	<10	10	163	16	660	51	23.9	13.8	10	58	73	<5	<1	<5	2	171	32	510
518-D	8	194	<10	0.7	60	<1	10	10	168	13	630	51	24.2	14.3	11	60	76	<5	<1	<5	2.8	176	27	470
519-A	5	>300	<10	1.4	510	<1	50	30	103	70	1370	43	19.6	12	156	45	53	<5	3	11	12.6	113	130	560
519-B	10	216	<10	2.6	70	<1	<10	30	67	17	2320	46	21.6	9.6	14	41	29	<5	<1	<5	1.2	84	31	70
519-C	15	205	<10	4.1	60	<1	<10	30	112	9	2580	62	29.4	14.4	8	60	49	<5	<1	<5	1.1	142	18	60
519-D	15	200	<10	2.9	50	<1	<10	20	96	8	2410	64	32	14.1	9	60	42	<5	<1	<5	2.5	138	16	60
520-A	4	255	<10	0.9	120	<1	<10	<10	44	10	720	17	8.2	4.1	23	15	18	<5	<1	7	5.9	39	45	200
520-B	9	225	<10	2.3	30	<1	<10	<10	32	8	1000	21	10.3	4.1	10	16	13	<5	<1	6	5.2	33	13	120
520-C	13	>300	10	13	90	<1	<10	<10	70	10	790	22	10.3	5.7	23	22	31	<5	<1	9	5.3	57	9	40
520-D	15	>300	40	13.9	150	<1	<10	<10	105	17	860	26	11.3	7.7	45	28	48	<5	<1	10	9.8	82	8	30
521-A	2	253	<10	0.6	200	<1	<10	<10	9	23	410	9	6.2	1.1	66	4	4	<5	<1	<5	5.9	6	54	20
521-B	5	215	<10	0.5	70	<1	<10	<10	10	17	460	14	8.8	1.4	24	5	5	<5	<1	<5	3.4	7	33	20
521-C	18	240	20	6.6	290	<1	<10	<10	222	40	510	44	16.2	14	28	50	72	<5	<1	7	11.3	143	9	150
521-D	8	253	10	1.7	120	<1	<10	<10	72	11	420	28	11.2	6.7	16	25	25	<5	<1	5	6	57	14	150
DUP-500-	5	>300	<10	0.9	280	<1	<10	20	15	41	750	9	6.6	1.5	178	5	9	<5	<1	7	11	9	107	150
DUP-504-	6	200	<10	2.5	110	<1	<10	<10	16	22	1000	28	17.8	2.5	44	11	7	<5	<1	<5	7	13	27	270
DUP-507-	23	220	NVL	11.7	50	<1	<10	<10	132	22	1810	49	24.4	10.8	24	45	40	<5	<1	9	3.4	110	21	140
DUP-510-	10	204	NVL	4.5	150	<1	<10	<10	6	27	1660	6	6.4	0.5	68	1	3	<5	<1	6	2.3	2	35	150
DUP-513-	9	177	20	5.4	240	<1	<10	<10	93	77	3260	17	8.4	5	104	17	34	<5	1	18	3.4	53	37	340
DUP-516-	6	235	<10	1.4	160	<1	<10	50	13	50	900	21	13.4	2.5	57	11	6	<5	<1	<5	2	14	59	660
DUP-519-	6	>300	<10	1.5	460	<1	40	30	104	59	1430	44	21.4	11.8	145	46	52	<5	2	11	13.2	113	122	560
MMISRM1	19	39	10	44.5	70	<1	280	<10	14	51	800	2	1	1.1	2	4	3	<5	35	38	<0.5	12	309	120
MMISRM1	19	39	20	45.7	70	<1	270	<10	13	52	820	2	0.9	1	2	4	2	<5	36	38	<0.5	10	315	120
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10
BLANK	NVL	N.A.	N.A.	NVL	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	NVL	N.A.	N.A.	N.A.	N.A.	N.A.

ANALYTE	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTK	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
500-A	<1	3	23	1	50	4	<1	30	3	1	<10	8.9	1030	0.5	6	4	47	7	810	226
500-B	<1	2	34	<1	26	4	<1	10	2	2	<10	3.1	119	<0.5	3	2	51	5	110	93
500-C	1	14	111	2	34	20	<1	<10	2	4	<10	10.4	945	<0.5	9	2	94	8	110	422
500-D	1	16	105	<1	35	22	<1	<10	2	4	<10	10.1	1090	<0.5	7	1	87	7	90	388
502-A	<1	2	43	<1	20	4	<1	10	1	2	<10	4.7	217	<0.5	3	1	55	6	260	151
502-B	<1	4	69	<1	25	8	<1	<10	1	3	<10	4.5	164	<0.5	5	<1	93	9	150	146
502-C	1	11	110	3	31	17	<1	10	1	4	<10	11.4	1420	0.5	9	1	77	8	130	374
502-D	<1	17	111	4	38	24	<1	<10	<1	5	<10	11.8	1240	<0.5	10	1	100	10	110	349
503-A	<1	6	39	<1	13	8	<1	10	<1	2	<10	1.6	312	<0.5	2	<1	70	11	50	53
503-B	1	101	86	1	22	185	<1	<10	2	38	<10	9	1320	<0.5	10	2	1020	72	90	353
503-C	3	84	107	7	35	135	3	<10	4	26	<10	25.1	4380	<0.5	12	3	621	48	90	1090
503-D	1	80	110	13	37	122	1	10	2	19	<10	11.6	6900	0.5	8	4	355	38	90	371
504-A	<1	3	53	<1	35	7	<1	10	<1	3	<10	8.1	585	0.7	4	<1	91	13	110	163
504-B	4	19	125	<1	42	34	1	<10	3	7	<10	27.3	622	<0.5	12	<1	174	18	30	1110
504-C	3	33	217	5	41	39	1	<10	2	6	<10	26.2	4150	0.8	10	2	100	12	60	904
504-D	1	27	175	7	40	33	2	10	2	5	<10	16.9	7520	0.8	7	4	89	10	80	494
505-A	<1	5	104	7	51	10	<1	20	1	2	<10	10.7	1220	1	7	2	67	9	460	199
505-B	<1	7	46	<1	28	9	<1	<10	<1	2	<10	10.6	776	<0.5	7	<1	29	3	110	297
505-C	<1	13	121	2	36	20	<1	<10	<1	4	<10	6.4	1090	<0.5	7	<1	93	9	110	179
505-D	<1	28	126	8	45	38	<1	<10	<1	6	<10	8.1	2610	<0.5	7	1	118	11	140	225
506-A	<1	6	18	<1	25	8	<1	10	<1	1	<10	8.8	838	<0.5	5	<1	28	3	130	216
506-B	<1	2	69	<1	29	5	<1	<10	<1	2	<10	3	235	<0.5	3	<1	87	11	130	87
506-C	2	36	164	3	53	47	<1	<10	1	7	<10	15.9	1240	<0.5	9	<1	134	14	70	622
506-D	<1	27	169	6	48	36	1	10	1	6	<10	8.5	6120	0.8	6	3	101	14	110	244
507-A	<1	16	119	<1	57	28	<1	<10	<1	7	<10	7.3	399	0.7	8	<1	166	20	170	137
507-B	<1	47	187	1	63	55	<1	<10	<1	8	<10	9.8	876	0.8	9	<1	180	18	70	198
507-C	1	31	241	1	77	47	<1	<10	<1	7	<10	9.2	1170	0.9	8	1	134	17	110	258
507-D	<1	27	236	3	68	42	<1	10	<1	6	<10	4.8	3200	0.8	5	2	114	17	100	97
508-A	<1	21	191	2	77	39	<1	<10	<1	8	<10	11.4	1010	0.9	10	1	203	32	420	171
508-B	<1	31	170	2	53	44	<1	<10	<1	7	<10	9.2	1020	0.8	8	<1	164	17	150	212
508-C	<1	29	194	3	49	45	<1	<10	<1	5	<10	3.7	1730	0.9	4	1	109	13	160	93
508-D	<1	24	226	6	66	42	<1	10	<1	6	<10	4.5	5170	1.1	4	3	123	18	250	68
509-A	<1	4	72	1	32	7	<1	30	<1	2	<10	9.3	655	0.6	4	<1	38	5	390	88
509-B	<1	2	148	<1	28	5	<1	20	<1	2	<10	5.2	459	<0.5	5	<1	49	7	410	43
509-C	<1	5	71	2	27	11	<1	<10	<1	3	<10	4.7	217	<0.5	5	<1	95	10	250	41
509-D	<1	11	110	3	29	18	<1	<10	<1	3	<10	5.8	1230	<0.5	5	1	81	9	170	67
510-A	<1	<1	58	<1	25	2	<1	20	<1	1	<10	4.8	615	0.9	3	<1	52	9	140	46
510-B	1	11	153	2	47	21	<1	<10	1	5	<10	14.7	2320	0.8	10	2	106	12	100	327
510-C	3	18	206	3	47	25	2	10	3	4	<10	21.6	3080	0.9	10	2	81	9	70	811
510-D	2	22	176	2	36	28	<1	10	2	5	<10	17	4760	0.5	7	3	84	9	80	659
511-A	<1	<1	27	<1	14	<1	<1	20	<1	<1	<10	2.2	256	0.5	2	<1	24	6	130	33
511-B	<1	20	133	1	42	30	<1	<10	<1	5	<10	9	830	0.8	6	<1	126	13	80	228
511-C	<1	24	154	2	36	31	<1	20	<1	5	<10	8.7	1510	0.9	5	<1	98	10	70	222
511-D	<1	18	151	6	25	22	<1	20	<1	3	<10	7.7	3230	0.9	3	1	72	7	120	169
512-A	<1	3	80	1	41	7	<1	30	<1	2	<10	7	506	0.8	4	<1	66	8	700	96
512-B	<1	26	162	1	48	34	<1	<10	<1	6	<10	5.2	480	1.2	5	<1	154	14	210	104
512-C	<1	38	191	1	64	46	<1	10	1	8	<10	8.5	1140	1.2	7	1	193	16	160	197
512-D	2	34	213	2	77	44	<1	20	2	7	<10	10.5	1130	1.3	7	1	137	14	100	403
513-A	<1	9	45	1	36	12	<1	20	<1	2	<10	8	559	1.2	4	<1	51	7	360	72
513-B	<1	10	90	<1	59	21	<1	<10	<1	6	<10	2.9	297	1.3	5	<1	219	24	310	76
513-C	<1	17	39	<1	67	29	<1	<10	<1	6	<10	2.5	488	0.8	6	<1	157	15	240	54
513-D	<1	27	15	2	81	40	<1	<10	<1	7	<10	4.8	1120	0.6	7	<1	157	14	230	94
514-A	<1	2	60	<1	38	5	<1	20	<1	3	<10	3.7	312	1.1	3	<1	114	16	1260	30
514-B	<1	17	85	<1	61	29	<1	10	<1	7	<10	3.9	414	0.9	6	<1	257	25	1020	70
514-C	<1	36	115	1	68	50	<1	10	<1	9	<10	4.9	1460	0.7	8	<1	250	22	630	112
514-D	1	39	122	2	97	55	<1	20	<1	10	<10	12.6	2340	1	11	1	249	23	530	222
515-A	<1	6	92	2	47	11	<1	50	<1	3	<10	8	598	1	4	<1	102	12	3370	56
515-B	<1	16	70	<1	43	28	<1	20	<1	7	<10	7.2	491	1.1	5	<1	175	14	1400	59
515-C	<1	20	81	<1	44	32	<1	10	<1	8	<10	6.2	729	1.3	6	<1	219	18	1090	64
515-D	<1	23	84	<1	40	41	<1	<10	<1	10	<10	3.9	424	1.3	5	<1	280	21	880	48
516-A	<1	1	45	1	31	4	<1	30	<1	2	<10	2.5	320	0.9	2	<1	77	10	1340	34
516-B	<1	2	55	<1	36	5	<1	20	<1	3	<10	1.2	238	0.6	2	<1	115	12	1160	26
516-C	<1	8	53	<1	45	15	<1	10	<1	4	<10	2.5	408	0.5	4	<1	117	10	670	57

ANALYTE	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTI	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
516-D	<1	9	60	1	58	18	<1	10	<1	5	<10	2.8	489	<0.5	4	<1	139	13	780	56
517-A	<1	5	78	<1	43	11	<1	<10	<1	4	<10	3.6	340	0.8	4	<1	124	14	640	78
517-B	<1	13	66	1	41	20	<1	<10	<1	5	<10	5.1	593	<0.5	8	<1	125	12	520	129
517-C	<1	19	40	1	44	28	<1	<10	<1	6	<10	8.4	833	<0.5	9	<1	127	11	2100	155
517-D	<1	17	55	1	52	27	<1	<10	<1	6	<10	9	815	0.5	9	<1	163	15	950	156
518-A	<1	2	48	<1	31	5	<1	10	<1	3	<10	2.8	168	0.7	2	<1	109	15	250	47
518-B	<1	21	104	<1	35	30	<1	<10	<1	6	<10	2.7	213	0.6	4	<1	187	15	250	70
518-C	<1	32	114	<1	39	45	<1	<10	<1	8	<10	3.5	194	<0.5	4	<1	231	18	270	80
518-D	<1	34	112	<1	37	49	<1	10	<1	9	<10	5.1	194	<0.5	4	<1	226	18	270	124
519-A	1	20	49	2	30	33	<1	130	1	7	<10	13	1410	0.8	8	1	190	14	820	375
519-B	<1	15	90	<1	11	26	<1	20	<1	7	<10	1.9	300	<0.5	3	<1	200	13	170	40
519-C	<1	26	114	<1	15	41	<1	10	<1	10	<10	1.7	232	0.5	3	<1	265	19	110	36
519-D	<1	24	84	<1	15	40	<1	10	<1	10	<10	1.6	319	<0.5	3	<1	301	20	110	43
520-A	<1	8	95	<1	11	12	<1	10	<1	3	<10	5	878	1.1	3	<1	69	6	140	113
520-B	<1	6	79	<1	10	11	<1	<10	<1	3	<10	3.6	301	<0.5	5	<1	92	7	60	104
520-C	1	11	121	1	21	17	<1	<10	<1	3	<10	10.1	975	<0.5	10	<1	78	7	40	269
520-D	2	17	136	2	35	24	<1	<10	<1	4	<10	15.9	2260	<0.5	12	2	83	8	40	432
521-A	<1	1	96	<1	27	2	<1	20	<1	1	<10	6.2	775	1.2	3	<1	36	6	160	116
521-B	<1	1	65	<1	18	3	<1	<10	<1	2	<10	3.1	480	0.7	4	<1	57	7	110	81
521-C	2	30	177	3	58	43	19	10	<1	8	<10	13.2	4490	0.9	10	2	110	12	110	400
521-D	<1	11	125	<1	33	19	<1	<10	<1	4	<10	7.7	1910	0.8	7	<1	83	9	50	228
DUP-500-	<1	2	21	1	65	3	<1	40	<1	1	<10	8.2	909	0.6	5	<1	37	6	670	211
DUP-504-	<1	3	59	<1	29	6	<1	10	<1	3	<10	9.6	628	0.7	4	<1	105	15	150	217
DUP-507-	<1	21	125	<1	53	35	<1	<10	<1	8	<10	8.8	490	0.7	9	<1	174	20	140	168
DUP-510-	<1	<1	55	<1	20	<1	<1	20	<1	<1	<10	3.4	489	1.1	2	<1	24	6	120	35
DUP-513-	<1	11	47	1	40	15	<1	20	<1	3	<10	9.8	919	1.2	5	<1	60	8	400	102
DUP-516-	<1	2	43	2	39	6	<1	30	<1	3	<10	3	389	0.8	3	<1	90	11	1280	45
DUP-519-	2	21	43	2	28	33	<1	110	1	7	<10	13.2	1360	0.8	8	1	204	14	710	375
MMISRM1	47	2	301	1	9	4	<1	550	<1	<1	<10	14.9	<3	<0.5	39	<1	10	<1	340	14
MMISRM1	48	2	297	1	<5	4	<1	550	<1	<1	<10	14.7	<3	<0.5	40	<1	9	<1	340	13
BLANK	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	N.A.	N.A.	NVL	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTK	1	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB
600-A	4	274	<10	0.4	540	<1	<10	<10	5	18	330	7	6.9	0.6	26	2	2	<5	2	<5	2.1	2	28	30
600-B	15	295	<10	4	280	<1	<10	<10	23	15	700	17	9.6	2.8	17	10	8	<5	<1	<5	3.3	17	19	50
600-C	25	275	<10	5	200	<1	<10	10	39	13	1100	33	14.6	5.6	12	22	13	<5	<1	<5	4.1	35	15	20
600-D	29	187	<10	2.2	130	<1	<10	20	147	11	1550	105	45.4	22	5	93	79	<5	<1	<5	1.1	215	16	10
601-A	<1	245	<10	0.2	390	<1	<10	10	6	112	390	8	9.4	0.7	48	2	3	<5	4	<5	1.5	3	43	20
601-B	9	261	<10	0.3	120	<1	<10	10	23	13	600	30	14.8	4.9	7	20	8	<5	<1	<5	1.2	28	25	<10
601-C	37	287	<10	1.2	170	<1	<10	10	42	10	700	33	15.9	6.3	9	26	14	<5	<1	<5	1.5	47	27	20
601-D	48	273	10	7.6	350	<1	<10	<10	165	34	730	44	19.4	13.6	33	52	66	<5	<1	<5	4.4	141	6	80
602-A	4	239	<10	<0.1	340	<1	10	30	9	56	300	23	18.6	1.9	38	8	4	<5	5	<5	2	8	43	30
602-B	2	249	<10	<0.1	170	<1	<10	30	16	26	410	34	21	4	17	18	6	<5	1	<5	1.8	21	39	10
602-C	5	238	<10	0.1	100	<1	<10	30	35	9	510	41	22.2	6.7	10	29	11	<5	<1	<5	1.7	47	19	10
602-D	7	249	<10	0.2	110	<1	<10	20	66	8	610	45	24.5	8.9	11	40	23	<5	<1	<5	2.3	79	14	10
603-A	2	162	<10	0.3	350	<1	40	10	20	135	190	3	2	1	121	4	10	<5	8	<5	13.9	13	26	70
603-B	3	178	<10	0.2	200	<1	20	30	5	37	400	12	12.1	0.8	40	3	3	<5	3	<5	2.6	4	36	20
603-C	10	233	<10	0.2	140	<1	10	30	42	24	900	45	22.9	8	19	37	19	<5	<1	<5	5.3	63	42	30
603-D	9	242	<10	0.2	160	<1	<10	20	59	21	950	49	22.4	10	14	44	28	<5	<1	<5	6	86	33	30
604-A	<1	184	<10	<0.1	400	<1	30	<10	<5	53	50	<1	1	<0.5	98	<1	1	<5	8	<5	2	<1	44	<10
604-B	7	227	<10	<0.1	160	<1	<10	20	6	24	470	15	11.2	1.1	28	4	3	<5	<1	<5	1.1	5	27	<10
604-C	10	268	<10	0.1	130	<1	<10	30	22	18	640	23	12.6	3.3	23	14	9	<5	<1	<5	4.8	21	28	10
604-D	16	292	<10	0.2	110	<1	<10	10	42	13	720	32	15.1	6.1	20	26	16	<5	<1	<5	4.2	46	27	20
605-A	1	220	<10	<0.1	200	<1	20	<10	<5	22	170	5	6.6	<0.5	50	1	2	<5	2	<5	0.9	<1	30	10
605-B	2	216	<10	<0.1	160	<1	10	10	<5	18	260	6	6.6	<0.5	42	1	1	<5	1	<5	0.6	<1	23	<10
605-C	5	249	<10	0.1	140	<1	<10	20	9	11	540	18	9.6	1.7	19	8	4	<5	<1	<5	1.2	8	18	20
605-D	5	>300	<10	0.1	120	<1	<10	10	40	10	630	24	10.6	5.1	14	21	14	<5	<1	<5	2.3	39	17	10
606-A	3	239	<10	<0.1	200	<1	40	30	13	28	320	18	10.3	3	49	12	4	<5	3	<5	2.1	17	38	40
606-B	3	222	<10	<0.1	170	<1	30	40	6	20	370	19	11.3	2.1	39	9	2	<5	2	<5	1.3	9	31	20
606-C	6	258	<10	0.3	190	<1	<10	40	20	8	630	23	11.4	3.8	19	16	7	<5	<1	<5	1.7	24	25	30
606-D	8	294	<10	1.1	220	<1	<10	20	41	10	980	27	12.1	5.6	15	22	15	<5	<1	<5	2.9	42	17	70
607-A	1	242	<10	0.2	290	<1	<10	20	9	42	320	3	3.3	0.5	86	2	5	<5	2	<5	4.5	4	29	20
607-B	8	247	<10	0.6	60	<1	<10	20	10	8	760	17	9	1.6	8	7	4	<5	<1	<5	1.4	7	19	20
607-C	15	255	<10	0.7	80	<1	<10	40	13	20	1000	25	14.1	2.2	4	10	5	<5	<1	<5	1.1	11	15	60
607-D	37	280	<10	2.9	170	<1	<10	20	41	15	980	30	15.2	4.8	10	21	14	<5	<1	<5	1.9	36	10	460
608-A	3	268	<10	0.3	210	<1	<10	<10	<5	17	170	2	2.1	<0.5	34	<1	2	<5	1	<5	3.6	1	46	10
608-B	8	256	<10	0.5	160	<1	<10	<10	5	10	370	4	3.9	<0.5	26	1	3	<5	<1	<5	2.1	2	23	40
608-C	15	272	<10	1.6	170	<1	<10	20	12	8	570	13	7.3	1.3	14	6	5	<5	<1	<5	2.3	7	15	220
608-D	34	>300	<10	5.9	290	<1	<10	10	42	15	810	22	9.4	4.2	21	16	15	<5	<1	<5	3.2	30	8	310
609-A	<1	223	<10	0.1	390	<1	<10	<10	9	28	240	5	3.5	0.9	92	3	4	<5	4	<5	3.3	6	29	20
609-B	3	245	<10	<0.1	130	<1	<10	20	8	11	470	14	8.8	1.4	25	6	4	<5	<1	<5	1.1	6	29	10
609-C	7	245	<10	0.2	60	<1	<10	30	15	8	760	29	14.6	3.7	7	16	5	<5	<1	<5	1	18	18	20
609-D	11	236	<10	0.4	70	<1	<10	20	22	7	1370	35	17.2	5	4	21	8	<5	<1	<5	1	26	14	20
610-A	4	264	<10	1.9	270	<1	<10	20	14	65	1800	7	4.2	1.2	88	4	6	<5	4	7	1.4	7	39	120
610-B	19	>300	10	5.9	180	<1	<10	<10	56	88	2290	18	9.2	5.1	78	18	20	<5	<1	15	2.8	40	17	100
610-C	14	255	<10	1.3	30	<1	<10	<10	30	16	2310	33	19.9	6.2	10	25	11	<5	<1	5	0.7	40	8	50
610-D	17	227	<10	1	80	<1	<10	<10	70	15	1640	54	29.4	12.3	10	50	24	<5	<1	<5	1.4	103	<5	60
611-A	8	258	<10	3.1	230	<1	<10	10	11	68	1340	7	4.7	1.1	107	4	5	<5	3	9	1.6	6	32	210
611-B	19	265	<10	3.2	70	<1	<10	<10	15	11	4790	20	10.6	2.6	24	11	3	<5	<1	<5	1	13	10	160
611-C	22	255	<10	4.3	40	<1	<10	<10	26	18	4230	30	17.8	5	15	21	9	<5	<1	<5	1.9	30	7	140
611-D	28	283	<10	1.8	70	<1	<10	<10	62	28	2930	38	20.4	8.8	16	34	19	<5	<1	<5	4.5	64	7	30
612-A	1	205	<10	0.3	250	<1	<10	<10	<5	25	60	<1	<0.5	<0.5	98	<1	1	<5	3	<5	2.1	<1	43	10
612-B	6	238	<10	0.3	90	<1	<10	20	<5	13	430	7	6.2	0.5	21	2	2	<5	<1	<5	1.1	2	28	40
612-C	8	252	<10	0.3	60	<1	<10	20	8	9	530	13	8.5	1	10	4	3	<5	<1	<5	1.8	5	19	40
612-D	16	292	<10	0.8	90	<1	<10	10	25	12	590	19	9.6	2.8	13	11	9	<5	<1	<5	3.6	18	68	100
613-A	2	188	<10	0.3	180	<1	40	60	29	426	18100	18	21.9	2.6	11	11	10	<5	2	<5	<0.5	19	48	50
613-B	10	161	<10	0.3	60	<1	<10	50	157	158	15800	106	90.1	14.6	2	57	25	<5	<1	<5	<0.5	84	35	50
613-C	8	114	<10	1.1	140	<1	20	20	959	157	18600	390	223	114	2	429	205	<5	<1	<5	<0.5	1020	26	170
613-D	12	102	<10	2.5	100	<1	20	20	640	96	16200	309	182	95.2	2	363	177	<5	<1	<5	<0.5	873	20	180
614-A	5	228	<10	0.1	380	<1	60	140	34	86	2730	62	41	9.4	64	47	31	<5	4	<5	4.9	64	100	40
614-B	10	242	<10	0.2	290	<1	20	90	22	13	8740	124	90.9	11.3	47	64	19	<5	1	<5	4.8	53	62	30
614-C	13	270	20	1	450	<1	10	50	79	58	6330	99	69.1	16.1	44	76	54	<5	<1	<5	4.8	116	54	120
614-D	10	276	20	1.2	470	<1	10	50	94	57	5560	91	56.5	16.4	36	74	58	<5	<1	<5	4	121	49	150
615-A	2	227	<10	0.2	270	<1	20	40	10	72	960	20	13.3	1.8	65	9	5	<5	2	5	2.8	9	45	70
615-B	4	260	<10	0.3	200	<1	10	80	43	109	2940	47	24.5	7.6	25	34	22	<5	<1	7	2.9	57	39	60
615-C	8	298	<10	1.4	340	<1	<10	20	26	59	2490	28	15.3	3.7	90	14	13	<5	2	5	2.4	20	69	90

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTI(	1	1	10	0.1	10	1	10	10	5	5	10
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB
615-D	7	210	<10	0.7	180	<1	10	100	34	92	8230
616-A	15	>300	<10	2	430	<1	20	110	131	203	13300
616-B	17	285	<10	4.2	380	<1	<10	10	51	44	7290
616-C	41	>300	<10	11.4	350	<1	<10	10	126	46	8430
616-D	25	>300	<10	5.2	180	<1	<10	10	146	24	8940
617-A	<1	210	<10	<0.1	630	<1	40	80	<5	51	240
617-B	2	235	<10	<0.1	210	<1	10	80	5	31	340
617-C	5	274	<10	0.2	120	<1	<10	60	21	29	460
617-D	6	271	<10	0.2	110	<1	<10	50	22	26	460
DUP-600-	3	278	<10	0.3	390	<1	<10	<10	6	20	340
DUP-603-	2	203	<10	0.5	390	<1	30	10	27	119	220
DUP-606-	2	221	<10	0.1	200	<1	30	30	6	27	300
DUP-609-	<1	216	<10	<0.1	330	<1	<10	<10	7	28	250
DUP-612-	1	215	<10	0.3	230	<1	<10	<10	<5	24	70
DUP-615-	2	237	<10	0.2	240	<1	20	50	8	77	940
MMISRM1	19	47	20	46.4	70	<1	270	<10	13	59	860
MMISRM1	21	55	20	47.8	60	<1	260	10	15	59	850
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10

ANALYTE	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTI(	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10
UNITS	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB
615-D	86	50.2	10.5	14	57	32	<5	<1	5	3.4	75	44	60
616-A	170	90.7	26.5	41	137	115	<5	<1	15	14.2	216	88	120
616-B	54	33	5.6	40	23	26	<5	1	<5	2.7	39	41	80
616-C	89	47.9	17	28	68	64	<5	<1	6	3.2	120	22	100
616-D	121	67.6	25.9	26	109	90	<5	<1	7	3.1	190	16	50
617-A	5	4.2	<0.5	67	2	2	<5	13	<5	1.2	2	49	40
617-B	13	9.1	0.9	19	4	3	<5	4	<5	0.8	3	51	20
617-C	23	11.1	4	9	16	8	<5	1	<5	1.6	23	46	50
617-D	26	12.4	4.3	8	17	8	<5	<1	<5	1.7	25	39	50
DUP-600-	7	6.3	0.6	26	2	3	<5	2	<5	1.6	2	27	40
DUP-603-	5	2.7	1.7	145	5	13	<5	5	7	21.5	17	31	80
DUP-606-	17	11	2	47	8	2	<5	3	<5	1.4	8	35	30
DUP-609-	5	4	0.6	90	2	4	<5	3	<5	2.2	3	38	20
DUP-612-	<1	<0.5	<0.5	84	<1	1	<5	2	<5	1.3	<1	49	10
DUP-615-	20	13.7	1.7	66	8	4	<5	2	6	3.2	7	40	60
MMISRM1	3	1	1.1	2	5	3	<5	38	35	<0.5	11	345	140
MMISRM1	3	1.1	1.5	3	6	3	<5	37	40	<0.5	12	389	130
BLANK	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10
BLANK	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10

ANALYTE	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTK	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
600-A	<1	<1	99	<1	22	1	<1	40	1	<1	<10	2.7	266	1	2	1	32	7	300	27
600-B	<1	3	153	<1	36	7	<1	20	1	2	<10	4	394	0.8	3	<1	70	8	180	105
600-C	<1	6	116	<1	53	14	<1	20	<1	5	<10	4.2	397	0.7	5	<1	105	11	100	138
600-D	<1	40	64	<1	93	64	<1	10	<1	16	<10	2.1	141	<0.5	6	<1	379	29	150	49
601-A	<1	<1	63	<1	52	1	<1	50	<1	<1	<10	2.1	455	0.5	2	<1	33	10	1070	43
601-B	<1	4	20	<1	68	12	<1	10	<1	4	<10	2.2	488	<0.5	4	<1	118	11	320	67
601-C	<1	8	57	<1	80	17	<1	10	<1	5	<10	2.8	743	<0.5	4	<1	126	12	440	82
601-D	<1	27	176	<1	91	42	<1	10	<1	8	<10	6	1780	0.6	4	<1	159	14	240	157
602-A	<1	2	34	<1	66	4	<1	70	<1	2	<10	2.9	353	0.6	4	<1	99	17	1250	56
602-B	<1	3	33	<1	66	9	<1	20	<1	4	<10	2.2	375	<0.5	4	<1	146	17	740	57
602-C	<1	8	26	<1	69	18	<1	10	<1	6	<10	1.9	337	<0.5	4	<1	188	16	390	59
602-D	<1	13	27	<1	83	25	<1	10	<1	7	<10	2.6	350	<0.5	5	<1	214	18	460	82
603-A	<1	2	42	<1	48	4	1	100	<1	<1	<10	3.8	2140	<0.5	5	<1	13	2	660	158
603-B	<1	<1	47	<1	29	2	<1	70	<1	<1	<10	1.6	385	<0.5	3	<1	56	11	1400	36
603-C	<1	11	21	<1	45	22	<1	30	<1	7	<10	2.8	676	<0.5	5	<1	207	16	1320	82
603-D	<1	15	19	<1	47	28	<1	20	<1	7	<10	3.5	789	<0.5	5	<1	207	15	1320	112
604-A	<1	<1	7	<1	18	<1	<1	170	<1	<1	<10	1.1	308	<0.5	1	<1	<5	2	210	25
604-B	<1	1	18	<1	27	2	<1	20	<1	1	<10	1.2	502	<0.5	2	<1	68	9	500	34
604-C	<1	4	13	<1	41	8	<1	10	<1	3	<10	2.6	1080	<0.5	3	<1	99	9	480	100
604-D	<1	8	15	<1	60	16	<1	10	<1	5	<10	3.6	1130	<0.5	4	<1	132	11	390	125
605-A	<1	<1	7	<1	18	<1	<1	70	<1	<1	<10	1	198	<0.5	1	<1	22	6	310	18
605-B	<1	<1	18	<1	21	<1	<1	40	<1	<1	<10	0.8	162	<0.5	1	<1	25	6	360	17
605-C	<1	1	15	<1	34	4	<1	10	<1	2	<10	1.4	630	<0.5	3	<1	71	7	400	43
605-D	<1	7	17	<1	53	14	<1	10	<1	4	<10	3.5	1040	<0.5	4	<1	87	7	300	101
606-A	<1	3	41	<1	41	7	<1	90	<1	2	<10	3	679	<0.5	4	<1	84	8	930	53
606-B	<1	1	43	<1	39	5	<1	60	<1	2	<10	2.1	396	<0.5	3	<1	83	9	880	36
606-C	<1	4	69	<1	37	9	<1	20	<1	3	<10	1.7	494	0.5	2	<1	94	8	710	56
606-D	<1	8	118	<1	44	15	<1	20	<1	4	<10	3.1	804	0.7	3	<1	101	8	710	105
607-A	<1	1	78	<1	22	2	<1	50	<1	<1	<10	3.1	691	0.6	3	<1	14	4	460	70
607-B	<1	1	111	<1	27	3	<1	10	<1	2	<10	1.5	192	0.6	2	<1	65	7	220	35
607-C	<1	2	230	<1	38	5	<1	10	<1	3	<10	1.1	197	1.3	2	<1	99	10	270	29
607-D	<1	6	224	<1	48	13	<1	<10	<1	4	<10	2.9	549	1.5	4	<1	116	11	220	73
608-A	<1	<1	41	<1	33	<1	<1	50	1	<1	<10	2.9	516	1.5	1	1	8	2	140	41
608-B	<1	<1	131	<1	17	<1	<1	10	<1	<1	<10	2.1	465	0.9	2	<1	16	4	150	46
608-C	<1	2	154	<1	44	3	<1	<10	1	1	<10	3.1	699	1.2	3	1	46	5	190	68
608-D	<1	6	228	<1	34	12	<1	<10	<1	3	<10	5.5	1240	0.7	4	<1	71	6	220	120
609-A	<1	1	85	<1	29	2	<1	70	<1	<1	<10	2.9	907	0.6	4	<1	20	3	620	65
609-B	<1	1	64	<1	32	3	<1	10	<1	2	<10	1.4	292	<0.5	3	<1	53	7	360	33
609-C	<1	3	66	<1	50	9	<1	<10	<1	4	<10	1.3	313	<0.5	3	<1	112	10	350	38
609-D	<1	4	62	<1	59	12	<1	<10	<1	5	<10	1.4	401	<0.5	3	<1	134	12	320	44
610-A	<1	2	56	<1	62	3	<1	40	<1	<1	<10	2.8	355	<0.5	2	<1	21	3	650	63
610-B	<1	8	48	<1	159	13	<1	<10	<1	3	<10	4.5	768	<0.5	3	<1	63	7	140	153
610-C	<1	6	62	<1	104	15	<1	<10	<1	4	<10	2.1	356	<0.5	4	<1	178	16	90	62
610-D	<1	16	136	<1	140	34	<1	<10	<1	8	<10	2.4	1050	<0.5	6	<1	255	22	150	63
611-A	<1	1	96	<1	73	2	<1	30	<1	<1	<10	3.5	491	<0.5	2	<1	24	4	470	78
611-B	<1	2	159	<1	97	6	<1	<10	<1	2	<10	2.2	331	<0.5	2	<1	63	8	120	64
611-C	<1	5	170	<1	126	12	<1	<10	<1	4	<10	4	307	<0.5	4	1	134	14	100	108
611-D	<1	11	146	<1	155	23	<1	<10	1	6	<10	6.2	1910	<0.5	7	1	163	16	200	186
612-A	<1	<1	14	<1	11	<1	<1	70	<1	<1	<10	1.2	283	0.6	<1	<1	<5	<1	90	23
612-B	<1	<1	75	<1	22	<1	<1	10	<1	<1	<10	1.6	231	<0.5	2	<1	30	5	190	30
612-C	<1	1	89	<1	35	2	<1	<10	<1	1	<10	1.9	698	<0.5	3	<1	50	6	190	45
612-D	<1	3	133	<1	47	7	<1	<10	<1	3	<10	4.5	1630	<0.5	5	<1	70	7	160	130
613-A	<1	4	88	<1	13	7	<1	100	<1	2	<10	0.7	63	1	1	<1	93	21	1880	9
613-B	<1	15	46	<1	33	37	<1	20	<1	12	<10	<0.5	24	<0.5	2	<1	366	86	1020	8
613-C	<1	182	97	<1	55	336	<1	20	<1	62	<10	1.1	81	0.8	3	2	1270	191	900	18
613-D	<1	153	130	<1	66	283	<1	20	<1	51	<10	1.4	32	1	3	1	1130	164	920	16
614-A	<1	10	65	<1	53	22	<1	140	<1	8	<10	4.8	1240	0.6	5	<1	462	25	4360	105
614-B	<1	8	43	<1	50	23	<1	60	<1	15	<10	4.5	926	<0.5	6	<1	1350	57	2740	85
614-C	<1	19	109	<1	72	40	<1	30	<1	13	<10	9.3	2720	0.6	7	1	1080	48	1810	209
614-D	<1	20	146	<1	81	42	<1	30	<1	13	<10	8.7	2580	0.7	7	<1	932	40	2010	212
615-A	<1	2	63	<1	35	4	<1	60	<1	2	<10	3.3	801	0.8	4	<1	108	10	1330	55
615-B	<1	9	77	<1	51	20	<1	30	<1	7	<10	3.9	980	0.5	5	<1	251	16	1530	74
615-C	<1	4	76	<1	74	8	<1	30	<1	3	<10	5.4	1040	0.7	4	<1	96	11	990	86

ANALYTE	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTK	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
615-D	<1	12	77	<1	45	25	<1	30	<1	12	<10	2.9	840	0.5	5	<1	614	27	2300	70
616-A	1	37	147	<1	85	68	<1	50	1	24	<10	10.1	3010	0.8	12	1	1140	52	4210	300
616-B	<1	8	96	<1	96	14	<1	20	<1	6	<10	5.2	1040	0.9	5	<1	190	24	510	101
616-C	<1	22	137	<1	129	41	<1	10	<1	13	<10	7.2	1290	0.7	6	<1	367	35	350	146
616-D	<1	33	91	<1	123	66	<1	<10	<1	18	<10	7.2	779	0.6	9	<1	605	47	290	171
617-A	<1	<1	83	<1	22	<1	<1	190	<1	<1	<10	1.8	453	<0.5	2	<1	21	4	2220	24
617-B	<1	<1	66	<1	34	2	<1	60	<1	1	<10	1.1	342	<0.5	2	<1	53	7	1480	22
617-C	<1	4	62	<1	44	9	<1	20	<1	3	<10	1.5	906	<0.5	3	<1	87	8	930	46
617-D	<1	4	58	<1	45	10	<1	20	<1	4	<10	1.6	999	<0.5	3	<1	93	8	720	50
DUP-600-	<1	<1	90	<1	19	<1	<1	30	<1	<1	<10	1.5	270	0.7	2	<1	28	6	280	27
DUP-603-	1	4	43	<1	58	5	2	90	1	<1	<10	4.6	3260	<0.5	8	<1	18	3	550	189
DUP-606-	<1	1	39	<1	37	4	<1	90	<1	2	<10	2.3	503	<0.5	3	<1	76	9	900	44
DUP-609-	<1	<1	93	<1	26	1	<1	50	<1	<1	<10	2.1	771	0.5	3	<1	18	4	600	55
DUP-612-	<1	<1	17	<1	11	<1	<1	60	<1	<1	<10	0.7	248	0.5	<1	<1	<5	<1	80	20
DUP-615-	<1	1	63	<1	37	4	<1	60	<1	2	<10	3.2	947	0.7	4	<1	106	10	1400	49
MMISRM1	48	2	295	<1	8	4	<1	460	<1	<1	<10	16.3	<3	<0.5	37	<1	10	<1	360	14
MMISRM1	49	2	302	1	6	4	<1	430	<1	<1	<10	18.3	<3	<0.5	40	<1	10	1	390	14
BLANK	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5

ORIENTATION RESULTS

APPENDIX 2O

Results Of Mobile Metal Ions Process (MMI-M) Soil Geochemical Surveys on The Stewart Property (Deltaic Grid), Stewart Area, B.C.

Line No.	Station	Sample No	
(E)	(N)		
54+00	44+75	500	A, B, C, D
54+00	45+25	502	A, B, C, D
54+00	45+50	503	A, B, C, D
54+00	45+75	504	A, B, C, D
54+75	45+75	505	A, B, C, D
54+75	46+00	506	A, B, C, D
54+75	46+25	507	A, B, C, D
54+75	46+50	508	A, B, C, D
54+75	46+75	509	A, B, C, D
54+75	47+00	510	A, B, C, D
54+75	47+25	512	A, B, C, D
54+75	47+50	513	A, B, C, D
54+75	47+75	514	A, B, C, D
54+75	48+00	515	A, B, C, D
54+75	48+25	516	A, B, C, D
54+75	48+50	517	A, B, C, D
54+75	48+75	518	A, B, C, D
53+00	44+50	519	A, B, C, D
53+00	44+25	520	A, B, C, D
53+00	44+00	521	A, B, C, D
51+00	43+50	600	A, B, C, D
51+00	43+25	601	A, B, C, D
51+00	43+00	602	A, B, C, D
51+00	42+75	603	A, B, C, D
51+00	42+50	604	A, B, C, D
51+00	42+25	605	A, B, C, D
51+00	42+00	606	A, B, C, D
51+00	41+75	607	A, B, C, D
51+00	41+50	608	A, B, C, D
51+00	41+25	609	A, B, C, D
51+00	41+00	610	A, B, C, D
51+00	40+75	612	A, B, C, D
51+00	40+50	613	A, B, C, D
51+00	40+25	614	A, B, C, D
51+00	40+00	615	A, B, C, D
51+00	39+75	616	A, B, C, D
51+00	39+50	617	A, B, C, D

Analyte	Grid East (m)	Grid North (m)	Ag	AgRR	Al	AlRR	As	AsRR	Au	AuRR	Ba	BaRR	Bi	BiRR	Ca	CaRR	Cd	CdRR
Method			MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection			1		1		10		0.1		10		1		10		10	
Units			PPB		PPM		PPB		PPB		PPB		PPB		PPM		PPB	
600-A	51+00	43+50	4	1	274	2	5	1	0.4	2	540	9	0.5	1	5	1	5	1
600-B	51+00	43+50	15	5	295	2	5	1	4	24	280	5	0.5	1	5	1	5	1
600-C	51+00	43+50	25	8	275	2	5	1	5	30	200	3	0.5	1	5	1	10	2
600-D	51+00	43+50	29	9	187	1	5	1	2.2	13	130	2	0.5	1	5	1	20	4
601-A	51+00	43+25	0.5	1	245	2	5	1	0.2	1	390	7	0.5	1	5	1	10	2
601-B	51+00	43+25	9	3	261	2	5	1	0.3	2	120	2	0.5	1	5	1	10	2
601-C	51+00	43+25	37	12	287	2	5	1	1.2	7	170	3	0.5	1	5	1	10	2
601-D	51+00	43+25	48	15	273	2	10	2	7.6	45	350	6	0.5	1	5	1	5	1
602-A	51+00	43+00	4	1	239	1	5	1	0.05	1	340	6	0.5	1	10	2	30	6
602-B	51+00	43+00	2	1	249	2	5	1	0.05	1	170	3	0.5	1	5	1	30	6
602-C	51+00	43+00	5	2	238	1	5	1	0.1	1	100	2	0.5	1	5	1	30	6
602-D	51+00	43+00	7	2	249	2	5	1	0.2	1	110	2	0.5	1	5	1	20	4
603-A	51+00	42+75	2	1	162	1	5	1	0.3	2	350	6	0.5	1	40	8	10	2
603-B	51+00	42+75	3	1	178	1	5	1	0.2	1	200	3	0.5	1	20	4	30	6
603-C	51+00	42+75	10	3	233	1	5	1	0.2	1	140	2	0.5	1	10	2	30	6
603-D	51+00	42+75	9	3	242	1	5	1	0.2	1	160	3	0.5	1	5	1	20	4
604-A	51+00	42+50	0.5	1	184	1	5	1	0.05	1	400	7	0.5	1	30	6	5	1
604-B	51+00	42+50	7	2	227	1	5	1	0.05	1	160	3	0.5	1	5	1	20	4
604-C	51+00	42+50	10	3	268	2	5	1	0.1	1	130	2	0.5	1	5	1	30	6
604-D	51+00	42+50	16	5	292	2	5	1	0.2	1	110	2	0.5	1	5	1	10	2
605-A	51+00	42+25	1	1	220	1	5	1	0.05	1	200	3	0.5	1	20	4	5	1
605-B	51+00	42+25	2	1	216	1	5	1	0.05	1	160	3	0.5	1	10	2	10	2
605-C	51+00	42+25	5	2	249	2	5	1	0.1	1	140	2	0.5	1	5	1	20	4
605-D	51+00	42+25	5	2	300	2	5	1	0.1	1	120	2	0.5	1	5	1	10	2
606-A	51+00	42+00	3	1	239	1	5	1	0.05	1	200	3	0.5	1	40	8	30	6
606-B	51+00	42+00	3	1	222	1	5	1	0.05	1	170	3	0.5	1	30	6	40	8
606-C	51+00	42+00	6	2	258	2	5	1	0.3	2	190	3	0.5	1	5	1	40	8
606-D	51+00	42+00	8	2	294	2	5	1	1.1	7	220	4	0.5	1	5	1	20	4
607-A	51+00	41+75	1	1	242	1	5	1	0.2	1	290	5	0.5	1	5	1	20	4
607-B	51+00	41+75	8	2	247	2	5	1	0.6	4	60	1	0.5	1	5	1	20	4
607-C	51+00	41+75	15	5	255	2	5	1	0.7	4	80	1	0.5	1	5	1	40	8
607-D	51+00	41+75	37	12	280	2	5	1	2.9	17	170	3	0.5	1	5	1	20	4
608-A	51+00	41+50	3	1	268	2	5	1	0.3	2	210	4	0.5	1	5	1	5	1
608-B	51+00	41+50	8	2	256	2	5	1	0.5	3	160	3	0.5	1	5	1	5	1
608-C	51+00	41+50	15	5	272	2	5	1	1.6	10	170	3	0.5	1	5	1	20	4
608-D	51+00	41+50	34	11	300	2	5	1	5.9	35	290	5	0.5	1	5	1	10	2
609-A	51+00	41+25	0.5	1	223	1	5	1	0.1	1	390	7	0.5	1	5	1	5	1
609-B	51+00	41+25	3	1	245	2	5	1	0.05	1	130	2	0.5	1	5	1	20	4
609-C	51+00	41+25	7	2	245	2	5	1	0.2	1	60	1	0.5	1	5	1	30	6
609-D	51+00	41+25	11	3	236	1	5	1	0.4	2	70	1	0.5	1	5	1	20	4
610-A	51+00	41+00	4	1	264	2	5	1	1.9	11	270	5	0.5	1	5	1	20	4
610-B	51+00	41+00	19	6	300	2	10	2	5.9	35	180	3	0.5	1	5	1	5	1
610-C	51+00	41+00	14	4	255	2	5	1	1.3	8	30	1	0.5	1	5	1	5	1
610-D	51+00	41+00	17	5	227	1	5	1	1	6	80	1	0.5	1	5	1	5	1
611-A (Duplicate 610)	51+00	41+00	8	2	258	2	5	1	3.1	18	230	4	0.5	1	5	1	10	2
611-B (Duplicate 610)	51+00	41+00	19	6	265	2	5	1	3.2	19	70	1	0.5	1	5	1	5	1
611-C (Duplicate 610)	51+00	41+00	22	7	255	2	5	1	4.3	26	40	1	0.5	1	5	1	5	1
611-D (Duplicate 610)	51+00	41+00	28	9	283	2	5	1	1.8	11	70	1	0.5	1	5	1	5	1
612-A	51+00	40+75	1	1	205	1	5	1	0.3	2	250	4	0.5	1	5	1	5	1
612-B	51+00	40+75	6	2	238	1	5	1	0.3	2	90	2	0.5	1	5	1	20	4
612-C	51+00	40+75	8	2	252	2	5	1	0.3	2	60	1	0.5	1	5	1	20	4
612-D	51+00	40+75	16	5	292	2	5	1	0.8	5	90	2	0.5	1	5	1	10	2
613-A	51+00	40+50	2	1	188	1	5	1	0.3	2	180	3	0.5	1	40	8	60	12
613-B	51+00	40+50	10	3	161	1	5	1	0.3	2	60	1	0.5	1	5	1	50	10
613-C	51+00	40+50	8	2	114	1	5	1	1.1	7	140	2	0.5	1	20	4	20	4
613-D	51+00	40+50	12	4	102	1	5	1	2.5	15	100	2	0.5	1	20	4	20	4
614-A	51+00	40+25	5	2	228	1	5	1	0.1	1	380	6	0.5	1	60	12	140	28

Analyte	Grid East (m)	Grid North (m)	Ag	AgRR	Al	AlRR	As	AsRR	Au	AuRR	Ba	BaRR	Bi	BiRR	Ca	CaRR	Cd	CdRR
Method			MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection			1		1		10		0.1		10		1		10		10	
Units			PPB		PPM		PPB		PPB		PPB		PPB		PPM		PPB	
614-B	51+00	40+25	10	3	242	1	5	1	0.2	1	290	5	0.5	1	20	4	90	18
614-C	51+00	40+25	13	4	270	2	20	4	1	6	450	8	0.5	1	10	2	50	10
614-D	51+00	40+25	10	3	276	2	20	4	1.2	7	470	8	0.5	1	10	2	50	10
615-A	51+00	40+00	2	1	227	1	5	1	0.2	1	270	5	0.5	1	20	4	40	8
615-B	51+00	40+00	4	1	260	2	5	1	0.3	2	200	3	0.5	1	10	2	80	16
615-C	51+00	40+00	8	2	298	2	5	1	1.4	8	340	6	0.5	1	5	1	20	4
615-D	51+00	40+00	7	2	210	1	5	1	0.7	4	180	3	0.5	1	10	2	100	20
616-A	51+00	39+75	15	5	300	2	5	1	2	12	430	7	0.5	1	20	4	110	22
616-B	51+00	39+75	17	5	285	2	5	1	4.2	25	380	6	0.5	1	5	1	10	2
616-C	51+00	39+75	41	13	300	2	5	1	11.4	68	350	6	0.5	1	5	1	10	2
616-D	51+00	39+75	25	8	300	2	5	1	5.2	31	180	3	0.5	1	5	1	10	2
617-A	51+00	39+50	0.5	1	210	1	5	1	0.05	1	630	11	0.5	1	40	8	80	16
617-B	51+00	39+50	2	1	235	1	5	1	0.05	1	210	4	0.5	1	10	2	80	16
617-C	51+00	39+50	5	2	274	2	5	1	0.2	1	120	2	0.5	1	5	1	60	12
617-D	51+00	39+50	6	2	271	2	5	1	0.2	1	110	2	0.5	1	5	1	50	10
500-A	54+00	44+75	6	2	300	2	5	1	1	6	200	3	0.5	1	5	1	20	4
500-B	54+00	44+75	6	2	212	1	5	1	0.9	5	110	2	0.5	1	5	1	10	2
500-C	54+00	44+75	15	5	255	2	5	1	3.3	20	100	2	0.5	1	5	1	5	1
500-D	54+00	44+75	21	7	259	2	5	1	5.7	34	120	2	0.5	1	5	1	5	1
502-A	54+00	45+25	4	1	227	1	5	1	1.4	8	130	2	0.5	1	5	1	5	1
502-B	54+00	45+25	9	3	221	1	5	1	3.1	18	60	1	0.5	1	5	1	10	2
502-C	54+00	45+25	22	7	275	2	20	4	16.7	99	200	3	0.5	1	5	1	5	1
502-D	54+00	45+25	36	11	273	2	20	4	21	125	150	3	0.5	1	5	1	5	1
503-A	54+00	45+50	11	3	141	1	5	1	1.7	10	70	1	0.5	1	5	1	5	1
503-B	54+00	45+50	9	3	210	1	10	2	4	24	80	1	0.5	1	5	1	10	2
503-C	54+00	45+50	14	4	222	1	40	8	8.7	52	160	3	0.5	1	5	1	5	1
503-D	54+00	45+50	37	12	169	1	120	24	25.6	152	320	5	0.5	1	5	1	5	1
504-A	54+00	45+75	5	2	194	1	5	1	2.1	13	120	2	0.5	1	5	1	5	1
504-B	54+00	45+75	9	3	202	1	5	1	5.1	30	30	1	0.5	1	5	1	5	1
504-C	54+00	45+75	32	10	185	1	70	14	29.4	175	180	3	0.5	1	5	1	5	1
504-D	54+00	45+75	44	14	154	1	150	30	32.5	194	300	5	1	2	5	1	5	1
505-A	54+75	45+75	23	7	300	2	5	1	6.3	38	270	5	0.5	1	5	1	5	1
505-B	54+75	45+75	5	2	212	1	5	1	2.3	14	120	2	0.5	1	5	1	5	1
505-C	54+75	45+75	20	6	235	1	5	1	8.2	49	110	2	0.5	1	5	1	5	1
505-D	54+75	45+75	53	17	226	1	20	4	15.4	92	140	2	0.5	1	5	1	5	1
506-A	54+75	46+00	5	2	175	1	5	1	3.7	22	150	3	0.5	1	5	1	5	1
506-B	54+75	46+00	9	3	180	1	5	1	2.6	15	50	1	0.5	1	5	1	20	4
506-C	54+75	46+00	43	13	225	1	5	1	17.2	102	90	2	0.5	1	5	1	5	1
506-D	54+75	46+00	82	26	143	1	50	10	36.1	215	310	5	2	4	5	1	5	1
507-A	54+75	46+25	20	6	194	1	5	1	10.8	64	60	1	0.5	1	5	1	5	1
507-B	54+75	46+25	78	24	187	1	5	1	24.8	148	70	1	0.5	1	5	1	5	1
507-C	54+75	46+25	102	32	160	1	10	2	28.7	171	170	3	0.5	1	5	1	5	1
507-D	54+75	46+25	94	29	115	1	40	8	39.9	238	240	4	0.5	1	5	1	5	1
508-A	54+75	46+50	10	3	146	1	20	4	10.6	63	100	2	0.5	1	5	1	5	1
508-B	54+75	46+50	53	17	133	1	10	2	28.4	169	40	1	0.5	1	5	1	5	1
508-C	54+75	46+50	73	23	94	1	20	4	30.6	182	150	3	0.5	1	5	1	5	1
508-D	54+75	46+50	84	26	165	1	80	16	39.1	233	220	4	2	4	5	1	5	1
509-A	54+75	46+75	3	1	199	1	5	1	1.9	11	180	3	0.5	1	5	1	80	16
509-B	54+75	46+75	5	2	215	1	5	1	1.8	11	150	3	0.5	1	5	1	80	16
509-C	54+75	46+75	24	7	235	1	5	1	13.9	83	50	1	0.5	1	5	1	40	8
509-D	54+75	46+75	72	22	255	2	20	4	55.8	332	80	1	0.5	1	5	1	10	2
510-A	54+75	47+00	12	4	210	1	5	1	4.5	27	140	2	0.5	1	5	1	5	1
510-B	54+75	47+00	20	6	227	1	20	4	22.8	136	100	2	0.5	1	5	1	10	2
510-C	54+75	47+00	47	15	207	1	20	4	44.7	266	200	3	0.5	1	5	1	5	1
510-D	54+75	47+00	59	18	137	1	10	2	64.8	386	220	4	0.5	1	5	1	5	1
511-A (510 Duplicate)	54+75	47+00	9	3	182	1	5	1	3.9	23	120	2	0.5	1	5	1	5	1
511-B (510 Duplicate)	54+75	47+00	39	12	223	1	5	1	27.2	162	60	1	0.5	1	5	1	5	1

Analyte	Grid East (m)	Grid North (m)	Ag	AgRR	Al	AlRR	As	AsRR	Au	AuRR	Ba	BaRR	Bi	BiRR	Ca	CaRR	Cd	CdRR
Method			MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection			1		1		10		0.1		10		1		10		10	
Units			PPB		PPM		PPB		PPB		PPB		PPB		PPM		PPB	
511-C (510 Duplicate)	54+75	47+00	63	20	131	1	10	2	47.1	280	300	5	0.5	1	5	1	5	1
511-D (510 Duplicate)	54+75	47+00	44	14	88	1	30	6	66.6	397	420	7	0.5	1	5	1	5	1
512-A	54+75	47+25	10	3	214	1	5	1	5.1	30	210	4	0.5	1	5	1	40	8
512-B	54+75	47+25	50	16	204	1	5	1	14.5	86	50	1	0.5	1	5	1	5	1
512-C	54+75	47+25	123	38	198	1	20	4	35.7	213	80	1	0.5	1	5	1	5	1
512-D	54+75	47+25	163	51	133	1	10	2	41.5	247	200	3	0.5	1	5	1	5	1
513-A	54+75	47+50	9	3	150	1	20	4	5.1	30	220	4	0.5	1	5	1	5	1
513-B	54+75	47+50	48	15	169	1	5	1	10.8	64	40	1	0.5	1	5	1	10	2
513-C	54+75	47+50	37	12	216	1	5	1	4.4	26	40	1	0.5	1	5	1	10	2
513-D	54+75	47+50	23	7	251	2	10	2	1.8	11	70	1	0.5	1	5	1	5	1
514-A	54+75	47+75	5	2	179	1	10	2	4.7	28	280	5	0.5	1	5	1	40	8
514-B	54+75	47+75	26	8	189	1	10	2	7	42	120	2	0.5	1	5	1	40	8
514-C	54+75	47+75	37	12	223	1	10	2	3.4	20	120	2	0.5	1	5	1	30	6
514-D	54+75	47+75	93	29	263	2	20	4	9.8	58	250	4	0.5	1	5	1	20	4
515-A	54+75	48+00	6	2	221	1	10	2	0.6	4	280	5	0.5	1	10	2	50	10
515-B	54+75	48+00	20	6	261	2	10	2	1.2	7	120	2	0.5	1	5	1	30	6
515-C	54+75	48+00	29	9	257	2	10	2	1.8	11	100	2	0.5	1	5	1	40	8
515-D	54+75	48+00	36	11	256	2	5	1	1.9	11	60	1	0.5	1	5	1	50	10
516-A	54+75	48+25	6	2	204	1	5	1	1.1	7	180	3	0.5	1	5	1	40	8
516-B	54+75	48+25	10	3	199	1	5	1	1.1	7	70	1	0.5	1	5	1	40	8
516-C	54+75	48+25	12	4	258	2	5	1	0.8	5	50	1	0.5	1	5	1	20	4
516-D	54+75	48+25	15	5	257	2	10	2	0.7	4	50	1	0.5	1	5	1	40	8
517-A	54+75	48+50	7	2	250	2	5	1	1.4	8	100	2	0.5	1	5	1	30	6
517-B	54+75	48+50	10	3	267	2	10	2	0.7	4	110	2	0.5	1	5	1	10	2
517-C	54+75	48+50	9	3	282	2	20	4	0.7	4	240	4	0.5	1	5	1	10	2
517-D	54+75	48+50	15	5	295	2	30	6	0.6	4	370	6	0.5	1	5	1	10	2
518-A	54+75	48+75	4	1	202	1	5	1	1.1	7	160	3	0.5	1	5	1	5	1
518-B	54+75	48+75	9	3	232	1	5	1	0.7	4	40	1	0.5	1	5	1	10	2
518-C	54+75	48+75	7	2	210	1	5	1	0.6	4	60	1	0.5	1	5	1	10	2
518-D	54+75	48+75	8	2	194	1	5	1	0.7	4	60	1	0.5	1	10	2	10	2
519-A	53+00	44+50	5	2	300	2	5	1	1.4	8	510	9	0.5	1	50	10	30	6
519-B	53+00	44+50	10	3	216	1	5	1	2.6	15	70	1	0.5	1	5	1	30	6
519-C	53+00	44+50	15	5	205	1	5	1	4.1	24	60	1	0.5	1	5	1	30	6
519-D	53+00	44+50	15	5	200	1	5	1	2.9	17	50	1	0.5	1	5	1	20	4
520-A	53+00	44+25	4	1	255	2	5	1	0.9	5	120	2	0.5	1	5	1	5	1
520-B	53+00	44+25	9	3	225	1	5	1	2.3	14	30	1	0.5	1	5	1	5	1
520-C	53+00	44+25	13	4	300	2	10	2	13	77	90	2	0.5	1	5	1	5	1
520-D	53+00	44+25	15	5	300	2	40	8	13.9	83	150	3	0.5	1	5	1	5	1
521-A	53+00	44+00	2	1	253	2	5	1	0.6	4	200	3	0.5	1	5	1	5	1
521-B	53+00	44+00	5	2	215	1	5	1	0.5	3	70	1	0.5	1	5	1	5	1
521-C	53+00	44+00	18	6	240	1	20	4	6.6	39	290	5	0.5	1	5	1	5	1
521-D	53+00	44+00	8	2	253	2	10	2	1.7	10	120	2	0.5	1	5	1	5	1
25th PERCENTILE			5.75		202		5		0.375		87.5		0.5		5		5	
BACKGROUND			3.205128		162.0789		5		0.167949		58.46154		0.5		5		5	

Analyte	Ce	CeRR	Co	CoRR	Cu	CuRR	Dy	DyRR	Er	ErRR	Eu	EuRR	Fe	FeRR	Gd	GdRR	La	LaRR	Li
Method	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Detection	5		5		10		1		0.5		0.5		1		1		1		5
Units	PPB		PPB		PPB		PPB		PPB		PPB		PPM		PPB		PPB		PPB
600-A	5	1	18	2	330	1	7	1	6.9	1	0.6	1	26	3	2	1	2	1	2.5
600-B	23	3	15	2	700	2	17	2	9.6	1	2.8	2	17	2	10	2	8	2	2.5
600-C	39	5	13	2	1100	3	33	4	14.6	2	5.6	5	12	1	22	5	13	4	2.5
600-D	147	19	11	1	1550	4	105	11	45.4	7	22	19	5	1	93	20	79	22	2.5
601-A	6	1	112	13	390	1	8	1	9.4	1	0.7	1	48	5	2	1	3	1	2.5
601-B	23	3	13	2	600	2	30	3	14.8	2	4.9	4	7	1	20	4	8	2	2.5
601-C	42	5	10	1	700	2	33	4	15.9	2	6.3	5	9	1	26	6	14	4	2.5
601-D	165	21	34	4	730	2	44	5	19.4	3	13.6	12	33	4	52	11	66	18	2.5
602-A	9	1	56	7	300	1	23	2	18.6	3	1.9	2	38	4	8	2	4	1	2.5
602-B	16	2	26	3	410	1	34	4	21	3	4	3	17	2	18	4	6	2	2.5
602-C	35	4	9	1	510	1	41	4	22.2	3	6.7	6	10	1	29	6	11	3	2.5
602-D	66	8	8	1	610	2	45	5	24.5	4	8.9	8	11	1	40	9	23	6	2.5
603-A	20	3	135	16	190	1	3	1	2	1	1	1	121	14	4	1	10	3	2.5
603-B	5	1	37	4	400	1	12	1	12.1	2	0.8	1	40	4	3	1	3	1	2.5
603-C	42	5	24	3	900	2	45	5	22.9	4	8	7	19	2	37	8	19	5	2.5
603-D	59	7	21	3	950	2	49	5	22.4	3	10	9	14	2	44	10	28	8	2.5
604-A	2.5	1	53	6	50	1	0.5	1	1	1	0.25	1	96	11	0.5	1	1	1	2.5
604-B	6	1	24	3	470	1	15	2	11.2	2	1.1	1	28	3	4	1	3	1	2.5
604-C	22	3	18	2	640	2	23	2	12.6	2	3.3	3	23	3	14	3	9	3	2.5
604-D	42	5	13	2	720	2	32	3	15.1	2	6.1	5	20	2	26	6	16	4	2.5
605-A	2.5	1	22	3	170	1	5	1	5.6	1	0.25	1	50	6	1	1	2	1	2.5
605-B	2.5	1	18	2	260	1	6	1	6.5	1	0.25	1	42	5	1	1	1	1	2.5
605-C	9	1	11	1	540	1	18	2	9.6	1	1.7	1	19	2	8	2	4	1	2.5
605-D	40	5	10	1	630	2	24	3	10.6	2	5.1	4	14	2	21	5	14	4	2.5
606-A	13	2	28	3	320	1	18	2	10.3	2	3	3	49	6	12	3	4	1	2.5
606-B	6	1	20	2	370	1	19	2	11.3	2	2.1	2	39	4	9	2	2	1	2.5
606-C	20	3	8	1	630	2	23	2	11.4	2	3.8	3	19	2	16	4	7	2	2.5
606-D	41	5	10	1	980	2	27	3	12.1	2	5.6	5	15	2	22	5	15	4	2.5
607-A	9	1	42	5	320	1	3	1	3.3	1	0.5	1	86	10	2	1	5	1	2.5
607-B	10	1	8	1	760	2	17	2	9	1	1.6	1	8	1	7	2	4	1	2.5
607-C	13	2	20	2	1000	3	25	3	14.1	2	2.2	2	4	1	10	2	5	1	2.5
607-D	41	5	15	2	980	2	30	3	15.2	2	4.8	4	10	1	21	5	14	4	2.5
608-A	2.5	1	17	2	170	1	2	1	2.1	1	0.25	1	34	4	0.5	1	2	1	2.5
608-B	5	1	10	1	370	1	4	1	3.9	1	0.25	1	26	3	1	1	3	1	2.5
608-C	12	2	8	1	570	1	13	1	7.3	1	1.3	1	14	2	5	1	5	1	2.5
608-D	42	5	15	2	810	2	22	2	9.4	1	4.2	4	21	2	16	4	15	4	2.5
609-A	9	1	28	3	240	1	5	1	3.5	1	0.9	1	92	10	3	1	4	1	2.5
609-B	8	1	11	1	470	1	14	2	8.8	1	1.4	1	25	3	6	1	4	1	2.5
609-C	15	2	8	1	760	2	29	3	14.6	2	3.7	3	7	1	16	4	5	1	2.5
609-D	22	3	7	1	1370	3	35	4	17.2	3	5	4	4	1	21	5	8	2	2.5
610-A	14	2	65	8	1800	5	7	1	4.2	1	1.2	1	88	10	4	1	6	2	2.5
610-B	56	7	88	11	2290	6	18	2	9.2	1	5.1	4	78	9	18	4	20	6	2.5
610-C	30	4	16	2	2310	6	33	4	19.9	3	6.2	5	10	1	25	6	11	3	2.5
610-D	70	9	15	2	1640	4	54	6	29.4	5	12.3	10	10	1	50	11	24	7	2.5
611-A (Duplicate 610)	11	1	68	8	1340	3	7	1	4.7	1	1.1	1	107	12	4	1	5	1	2.5
611-B (Duplicate 610)	15	2	11	1	4790	12	20	2	10.6	2	2.6	2	24	3	11	2	3	1	2.5
611-C (Duplicate 610)	26	3	18	2	4230	11	30	3	17.8	3	5	4	15	2	21	5	9	3	2.5
611-D (Duplicate 610)	62	8	28	3	2930	7	38	4	20.4	3	8.8	8	16	2	34	7	19	5	2.5
612-A	2.5	1	25	3	60	1	0.5	1	0.25	1	0.25	1	98	11	0.5	1	1	1	2.5
612-B	2.5	1	13	2	430	1	7	1	6.2	1	0.5	1	21	2	2	1	2	1	2.5
612-C	8	1	9	1	530	1	13	1	8.5	1	1	1	10	1	4	1	3	1	2.5
612-D	25	3	12	1	590	1	19	2	9.6	1	2.8	2	13	1	11	2	9	3	2.5
613-A	29	4	426	51	18100	45	18	2	21.9	3	2.6	2	11	1	11	2	10	3	2.5
613-B	157	20	158	19	15800	40	106	11	90.1	14	14.6	12	2	1	57	13	25	7	2.5
613-C	959	122	157	19	18600	47	390	42	223	35	114	97	2	1	429	95	205	57	2.5
613-D	640	81	96	11	16200	41	309	33	182	28	95.2	81	2	1	363	80	177	49	2.5
614-A	34	4	86	10	2730	7	62	7	41	6	9.4	8	64	7	47	10	31	9	2.5

Analyte	Ce	CeRR	Co	CoRR	Cu	CuRR	Dy	DyRR	Er	ErRR	Eu	EuRR	Fe	FeRR	Gd	GdRR	La	LaRR	Li
Method	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Detection	5		5		10		1		0.5		0.5		1		1		1		5
Units	PPB		PPB		PPB		PPB		PPB		PPB		PPM		PPB		PPB		PPB
614-B	22	3	13	2	8740	22	124	13	90.9	14	11.3	10	47	5	64	14	19	5	2.5
614-C	79	10	58	7	6330	16	99	11	69.1	11	16.1	14	44	5	76	17	54	15	2.5
614-D	94	12	57	7	5560	14	91	10	56.5	9	16.4	14	36	4	74	16	58	16	2.5
615-A	10	1	72	9	960	2	20	2	13.3	2	1.8	2	65	7	9	2	5	1	2.5
615-B	43	5	109	13	2940	7	47	5	24.5	4	7.6	6	25	3	34	7	22	6	2.5
615-C	26	3	59	7	2490	6	28	3	15.3	2	3.7	3	90	10	14	3	13	4	2.5
615-D	34	4	92	11	8230	21	86	9	50.2	8	10.5	9	14	2	57	13	32	9	2.5
616-A	131	17	203	24	13300	33	170	18	90.7	14	26.5	23	41	5	137	30	115	32	2.5
616-B	51	6	44	5	7290	18	54	6	33	5	5.6	5	40	4	23	5	26	7	2.5
616-C	126	16	46	6	8430	21	89	10	47.9	7	17	14	28	3	68	15	64	18	2.5
616-D	146	19	24	3	8940	22	121	13	67.6	10	25.9	22	26	3	109	24	90	25	2.5
617-A	2.5	1	51	6	240	1	5	1	4.2	1	0.25	1	67	8	2	1	2	1	2.5
617-B	5	1	31	4	340	1	13	1	9.1	1	0.9	1	19	2	4	1	3	1	2.5
617-C	21	3	29	3	460	1	23	2	11.1	2	4	3	9	1	16	4	8	2	2.5
617-D	22	3	26	3	460	1	26	3	12.4	2	4.3	4	8	1	17	4	8	2	2.5
500-A	19	2	46	6	850	2	11	1	7.6	1	2.2	2	178	20	7	2	14	4	2.5
500-B	13	2	11	1	770	2	13	1	6.5	1	1.7	1	27	3	7	2	7	2	2.5
500-C	90	11	8	1	690	2	28	3	11.8	2	5.8	5	16	2	26	6	37	10	2.5
500-D	101	13	10	1	550	1	25	3	10.3	2	6	5	29	3	26	6	42	12	2.5
502-A	13	2	10	1	2850	7	14	2	7.8	1	1.7	1	31	3	7	2	8	2	2.5
502-B	20	3	6	1	3480	9	23	2	11.8	2	3.3	3	13	1	14	3	10	3	2.5
502-C	72	9	33	4	2830	7	22	2	10.8	2	5.5	5	23	3	20	4	34	9	2.5
502-D	104	13	25	3	2240	6	29	3	13	2	7.4	6	23	3	29	6	47	13	2.5
503-A	34	4	2.5	1	9640	24	18	2	14.2	2	3.1	3	66	7	11	2	18	5	2.5
503-B	402	51	7	1	7520	19	232	25	112	17	65	55	36	4	255	56	140	39	2.5
503-C	397	50	21	3	5310	13	153	16	70.8	11	46.8	40	83	9	178	39	197	55	2.5
503-D	371	47	36	4	5220	13	111	12	50.6	8	40	34	122	14	140	31	155	43	2.5
504-A	20	3	20	2	910	2	23	2	15.3	2	2.7	2	44	5	11	2	8	2	2.5
504-B	104	13	6	1	920	2	47	5	22.4	3	9.6	8	31	3	43	9	34	9	2.5
504-C	216	27	8	1	660	2	35	4	15	2	8.7	7	87	10	40	9	85	24	2.5
504-D	174	22	8	1	800	2	29	3	12.4	2	8.6	7	147	17	33	7	69	19	2.5
505-A	33	4	38	5	1420	4	19	2	10.8	2	4	3	166	19	13	3	14	4	2.5
505-B	48	6	16	2	730	2	9	1	4.1	1	3	3	74	8	10	2	22	6	2.5
505-C	77	10	20	2	1090	3	27	3	12	2	6	5	23	3	26	6	28	8	2.5
505-D	172	22	19	2	1040	3	34	4	15	2	9.5	8	48	5	41	9	63	18	2.5
506-A	48	6	15	2	810	2	8	1	3.7	1	2.6	2	87	10	9	2	23	6	2.5
506-B	12	2	41	5	1510	4	21	2	13	2	1.9	2	23	3	9	2	5	1	2.5
506-C	221	28	9	1	1160	3	40	4	17	3	11.7	10	27	3	50	11	82	23	2.5
506-D	164	21	6	1	830	2	33	4	15.8	2	8.6	7	116	13	37	8	60	17	2.5
507-A	101	13	26	3	1920	5	45	5	23.4	4	8.9	8	23	3	36	8	30	8	2.5
507-B	289	37	10	1	890	2	44	5	21.8	3	15	13	23	3	60	13	105	29	2.5
507-C	176	22	15	2	770	2	42	5	19.5	3	14	12	23	3	50	11	60	17	2.5
507-D	142	18	12	1	590	1	35	4	18.5	3	12.9	11	48	5	42	9	52	14	2.5
508-A	161	20	69	8	2610	7	57	6	33.6	5	13.2	11	45	5	46	10	31	9	2.5
508-B	163	21	20	2	1050	3	40	4	19.7	3	13	11	30	3	50	11	62	17	2.5
508-C	136	17	14	2	540	1	29	3	14.9	2	14.1	12	29	3	45	10	48	13	2.5
508-D	123	16	14	2	1980	5	37	4	20.5	3	13.7	12	89	10	44	10	41	11	2.5
509-A	33	4	32	4	1520	4	11	1	5.8	1	2.6	2	96	11	9	2	8	2	2.5
509-B	11	1	8	1	1620	4	12	1	7.6	1	2	2	37	4	7	2	5	1	2.5
509-C	34	4	9	1	2100	5	22	2	12.9	2	4	3	18	2	15	3	12	3	2.5
509-D	75	10	10	1	2040	5	22	2	10.9	2	6	5	27	3	21	5	29	8	2.5
510-A	8	1	21	3	1900	5	13	1	9.6	1	1	1	60	7	4	1	3	1	2.5
510-B	81	10	49	6	1900	5	29	3	14.5	2	7.3	6	70	8	27	6	24	7	2.5
510-C	133	17	68	8	1010	3	26	3	11.1	2	7.8	7	53	6	28	6	47	13	2.5
510-D	201	26	54	6	630	2	27	3	11.6	2	8.3	7	37	4	31	7	57	16	2.5
511-A (510 Duplicate)	6	1	35	4	1880	5	6	1	5.9	1	0.5	1	68	8	1	1	3	1	2.5
511-B (510 Duplicate)	145	18	26	3	1590	4	33	4	15.9	2	9.3	8	26	3	35	8	52	14	2.5

Analyte	Ce	CeRR	Co	CoRR	Cu	CuRR	Dy	DyRR	Er	ErRR	Eu	EuRR	Fe	FeRR	Gd	GdRR	La	LaRR	Li
Method	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Detection	5		5		10		1		0.5		0.5		1		1		1		5
Units	PPB		PPB		PPB		PPB		PPB		PPB		PPM		PPB		PPB		PPB
511-C (510 Duplicate)	166	21	20	2	1040	3	28	3	12.7	2	8.9	8	21	2	34	7	69	19	2.5
511-D (510 Duplicate)	146	19	42	5	510	1	19	2	8.9	1	6.3	5	27	3	24	5	58	16	2.5
512-A	22	3	43	5	3060	8	18	2	9.7	2	2.9	2	50	6	12	3	7	2	2.5
512-B	148	19	11	1	2440	6	37	4	17.7	3	10.5	9	13	1	41	9	68	19	2.5
512-C	208	26	43	5	1850	5	42	5	20.6	3	13.5	12	19	2	53	12	116	32	2.5
512-D	209	27	21	3	1020	3	40	4	17.4	3	12.1	10	18	2	49	11	99	28	2.5
513-A	78	10	65	8	2960	7	14	2	7.2	1	4.2	4	92	10	14	3	28	8	2.5
513-B	50	6	12	1	5740	14	51	5	28.9	4	7.8	7	9	1	32	7	13	4	2.5
513-C	94	12	11	1	3210	8	41	4	19.2	3	10	9	6	1	39	9	30	8	2.5
513-D	160	20	19	2	1830	5	42	5	19	3	12.7	11	9	1	48	11	59	16	2.5
514-A	19	2	78	9	5450	14	25	3	18.8	3	2.3	2	84	9	10	2	7	2	2.5
514-B	82	10	26	3	5690	14	55	6	31.5	5	10.4	9	17	2	42	9	32	9	2.5
514-C	146	19	14	2	3150	8	57	6	29.1	5	15.6	13	13	1	63	14	82	23	2.5
514-D	202	26	30	4	3830	10	61	7	31.1	5	16.1	14	18	2	69	15	103	29	2.5
515-A	31	4	93	11	2140	5	25	3	15.1	2	4.1	3	87	10	17	4	14	4	2.5
515-B	87	11	26	3	3360	8	45	5	21.5	3	9.4	8	27	3	40	9	36	10	2.5
515-C	112	14	22	3	3890	10	52	6	25.9	4	10.7	9	21	2	46	10	45	13	2.5
515-D	123	16	13	2	4170	10	67	7	31	5	13.8	12	12	1	60	13	44	12	2.5
516-A	8	1	58	7	850	2	18	2	12.8	2	1.6	1	57	6	7	2	4	1	2.5
516-B	9	1	31	4	1180	3	26	3	15.8	2	2.3	2	15	2	11	2	4	1	2.5
516-C	44	6	21	3	1080	3	27	3	13.8	2	5.2	4	13	1	22	5	17	5	2.5
516-D	47	6	23	3	1190	3	34	4	17.8	3	6	5	11	1	27	6	18	5	2.5
517-A	24	3	27	3	1030	3	31	3	18.3	3	4.4	4	25	3	18	4	9	3	2.5
517-B	70	9	11	1	950	2	32	3	15.2	2	6.8	6	9	1	28	6	29	8	2.5
517-C	111	14	13	2	920	2	34	4	15.4	2	8.3	7	9	1	35	8	50	14	2.5
517-D	101	13	19	2	1120	3	43	5	20.9	3	8.3	7	8	1	38	8	46	13	2.5
518-A	10	1	23	3	740	2	25	3	17.4	3	2.4	2	46	5	10	2	5	1	2.5
518-B	106	13	17	2	690	2	41	4	20.2	3	10	9	10	1	40	9	43	12	2.5
518-C	163	21	16	2	660	2	51	5	23.9	4	13.8	12	10	1	58	13	73	20	2.5
518-D	168	21	13	2	630	2	51	5	24.2	4	14.3	12	11	1	60	13	76	21	2.5
519-A	103	13	70	8	1370	3	43	5	19.6	3	12	10	156	18	45	10	53	15	2.5
519-B	67	9	17	2	2320	6	46	5	21.6	3	9.6	8	14	2	41	9	29	8	2.5
519-C	112	14	9	1	2580	6	62	7	29.4	5	14.4	12	8	1	60	13	49	14	2.5
519-D	96	12	8	1	2410	6	64	7	32	5	14.1	12	9	1	60	13	42	12	2.5
520-A	44	6	10	1	720	2	17	2	8.2	1	4.1	3	23	3	15	3	18	5	2.5
520-B	32	4	8	1	1000	3	21	2	10.3	2	4.1	3	10	1	16	4	13	4	2.5
520-C	70	9	10	1	790	2	22	2	10.3	2	5.7	5	23	3	22	5	31	9	2.5
520-D	105	13	17	2	860	2	26	3	11.3	2	7.7	7	45	5	28	6	48	13	2.5
521-A	9	1	23	3	410	1	9	1	6.2	1	1.1	1	66	7	4	1	4	1	2.5
521-B	10	1	17	2	460	1	14	2	8.8	1	1.4	1	24	3	5	1	5	1	2.5
521-C	222	28	40	5	510	1	44	5	16.2	3	14	12	28	3	50	11	72	20	2.5
521-D	72	9	11	1	420	1	28	3	11.2	2	6.7	6	16	2	25	6	25	7	2.5
25th PERCENTILE	15		11		630		18		9.675		2.375		13.75		10		6.75		2.5
BACKGROUND	7.881579		8.359375		398.9474		9.305556		6.455128		1.173077		8.897436		4.539474		3.589744		2.5

Analyte	LiRR	Mg	MgRR	Mo	MoRR	Nb	NbRR	Nd	NdRR	Ni	NiRR	Pb	PbRR	Pd	PdRR	Pr	PrRR	Rb	RbRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		1		5		0.5		1		5		10		1		1		5	
Units		PPM		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB	
600-A	1	2	4	2.5	1	2.1	2	2	1	28	3	30	2	0.5	1	0.5	1	99	3
600-B	1	0.5	1	2.5	1	3.3	3	17	3	19	2	50	3	0.5	1	3	4	153	5
600-C	1	0.5	1	2.5	1	4.1	4	35	6	15	2	20	1	0.5	1	6	8	116	4
600-D	1	0.5	1	2.5	1	1.1	1	215	38	16	2	10	1	0.5	1	40	55	64	2
601-A	1	4	8	2.5	1	1.5	1	3	1	43	5	20	1	0.5	1	0.5	1	63	2
601-B	1	0.5	1	2.5	1	1.2	1	28	5	25	3	5	1	0.5	1	4	5	20	1
601-C	1	0.5	1	2.5	1	1.5	1	47	8	27	3	20	1	0.5	1	8	11	57	2
601-D	1	0.5	1	2.5	1	4.4	4	141	25	6	1	80	5	0.5	1	27	37	176	6
602-A	1	5	10	2.5	1	2	2	8	1	43	5	30	2	0.5	1	2	3	34	1
602-B	1	1	2	2.5	1	1.8	2	21	4	39	5	10	1	0.5	1	3	4	33	1
602-C	1	0.5	1	2.5	1	1.7	2	47	8	19	2	10	1	0.5	1	8	11	26	1
602-D	1	0.5	1	2.5	1	2.3	2	79	14	14	2	10	1	0.5	1	13	18	27	1
603-A	1	8	16	2.5	1	13.9	13	13	2	26	3	70	4	0.5	1	2	3	42	1
603-B	1	3	6	2.5	1	2.6	2	4	1	36	4	20	1	0.5	1	0.5	1	47	2
603-C	1	0.5	1	2.5	1	5.3	5	63	11	42	5	30	2	0.5	1	11	15	21	1
603-D	1	0.5	1	2.5	1	6	5	86	15	33	4	30	2	0.5	1	15	21	19	1
604-A	1	8	16	2.5	1	2	2	0.5	1	44	5	5	1	0.5	1	0.5	1	7	1
604-B	1	0.5	1	2.5	1	1.1	1	5	1	27	3	5	1	0.5	1	1	1	18	1
604-C	1	0.5	1	2.5	1	4.8	4	21	4	28	3	10	1	0.5	1	4	5	13	1
604-D	1	0.5	1	2.5	1	4.2	4	45	8	27	3	20	1	0.5	1	8	11	15	1
605-A	1	2	4	2.5	1	0.9	1	0.5	1	30	4	10	1	0.5	1	0.5	1	7	1
605-B	1	1	2	2.5	1	0.5	1	0.5	1	23	3	5	1	0.5	1	0.5	1	18	1
605-C	1	0.5	1	2.5	1	1.2	1	8	1	18	2	20	1	0.5	1	1	1	15	1
605-D	1	0.5	1	2.5	1	2.3	2	39	7	17	2	10	1	0.5	1	7	10	17	1
606-A	1	3	6	2.5	1	2.1	2	17	3	38	5	40	2	0.5	1	3	4	41	1
606-B	1	2	4	2.5	1	1.3	1	9	2	31	4	20	1	0.5	1	1	1	43	1
606-C	1	0.5	1	2.5	1	1.7	2	24	4	25	3	30	2	0.5	1	4	5	69	2
606-D	1	0.5	1	2.5	1	2.9	3	42	7	17	2	70	4	0.5	1	8	11	118	4
607-A	1	2	4	2.5	1	4.5	4	4	1	29	4	20	1	0.5	1	1	1	78	3
607-B	1	0.5	1	2.5	1	1.4	1	7	1	19	2	20	1	0.5	1	1	1	111	4
607-C	1	0.5	1	2.5	1	1.1	1	11	2	15	2	60	3	0.5	1	2	3	230	7
607-D	1	0.5	1	2.5	1	1.9	2	36	6	10	1	480	27	0.5	1	6	8	224	7
608-A	1	1	2	2.5	1	3.6	3	1	1	46	6	10	1	0.5	1	0.5	1	41	1
608-B	1	0.5	1	2.5	1	2.1	2	2	1	23	3	40	2	0.5	1	0.5	1	131	4
608-C	1	0.5	1	2.5	1	2.3	2	7	1	15	2	220	12	0.5	1	2	3	154	5
608-D	1	0.5	1	2.5	1	3.2	3	30	5	8	1	310	18	0.5	1	6	8	228	7
609-A	1	4	8	2.5	1	3.3	3	5	1	29	4	20	1	0.5	1	1	1	85	3
609-B	1	0.5	1	2.5	1	1.1	1	6	1	29	4	10	1	0.5	1	1	1	64	2
609-C	1	0.5	1	2.5	1	1	1	18	3	18	2	20	1	0.5	1	3	4	66	2
609-D	1	0.5	1	2.5	1	1	1	26	5	14	2	20	1	0.5	1	4	5	62	2
610-A	1	4	8	7	3	1.4	1	7	1	39	5	120	7	0.5	1	2	3	56	2
610-B	1	0.5	1	15	6	2.8	3	40	7	17	2	100	6	0.5	1	8	11	48	2
610-C	1	0.5	1	5	2	0.7	1	40	7	8	1	50	3	0.5	1	6	8	62	2
610-D	1	0.5	1	2.5	1	1.4	1	103	18	2.5	1	60	3	0.5	1	16	22	136	4
611-A (Duplicate 610)	1	3	6	9	4	1.6	1	6	1	32	4	210	12	0.5	1	1	1	96	3
611-B (Duplicate 610)	1	0.5	1	2.5	1	1	1	13	2	10	1	160	9	0.5	1	2	3	159	5
611-C (Duplicate 610)	1	0.5	1	2.5	1	1.9	2	30	5	7	1	140	8	0.5	1	5	7	170	6
611-D (Duplicate 610)	1	0.5	1	2.5	1	4.5	4	64	11	7	1	30	2	0.5	1	11	15	146	5
612-A	1	3	6	2.5	1	2.1	2	0.5	1	43	5	10	1	0.5	1	0.5	1	14	1
612-B	1	0.5	1	2.5	1	1.1	1	2	1	28	3	40	2	0.5	1	0.5	1	75	2
612-C	1	0.5	1	2.5	1	1.8	2	5	1	19	2	40	2	0.5	1	1	1	89	3
612-D	1	0.5	1	2.5	1	3.6	3	18	3	68	8	100	6	0.5	1	3	4	133	4
613-A	1	2	4	2.5	1	0.25	1	19	3	48	6	50	3	0.5	1	4	5	88	3
613-B	1	0.5	1	2.5	1	0.25	1	84	15	35	4	50	3	0.5	1	15	21	46	1
613-C	1	0.5	1	2.5	1	0.25	1	1020	178	26	3	170	10	0.5	1	182	249	97	3
613-D	1	0.5	1	2.5	1	0.25	1	873	152	20	2	180	10	0.5	1	153	209	130	4
614-A	1	4	8	2.5	1	4.9	4	64	11	100	12	40	2	0.5	1	10	14	65	2

Analyte	LiRR	Mg	MgRR	Mo	MoRR	Nb	NbRR	Nd	NdRR	Ni	NiRR	Pb	PbRR	Pd	PdRR	Pr	PrRR	Rb	RbRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		1		5		0.5		1		5		10		1		1		5	
Units		PPM		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB	
614-B	1	1	2	2.5	1	4.8	4	53	9	62	8	30	2	0.5	1	8	11	43	1
614-C	1	0.5	1	2.5	1	4.8	4	116	20	54	7	120	7	0.5	1	19	26	109	4
614-D	1	0.5	1	2.5	1	4	4	121	21	49	6	150	8	0.5	1	20	27	146	5
615-A	1	2	4	5	2	2.8	3	9	2	45	5	70	4	0.5	1	2	3	63	2
615-B	1	0.5	1	7	3	2.9	3	57	10	39	5	60	3	0.5	1	9	12	77	3
615-C	1	2	4	5	2	2.4	2	20	3	69	8	90	5	0.5	1	4	5	76	2
615-D	1	0.5	1	5	2	3.4	3	75	13	44	5	60	3	0.5	1	12	16	77	3
616-A	1	0.5	1	15	6	14.2	13	216	38	88	11	120	7	1	2	37	51	147	5
616-B	1	1	2	2.5	1	2.7	2	39	7	41	5	80	5	0.5	1	8	11	96	3
616-C	1	0.5	1	6	2	3.2	3	120	21	22	3	100	6	0.5	1	22	30	137	4
616-D	1	0.5	1	7	3	3.1	3	190	33	16	2	50	3	0.5	1	33	45	91	3
617-A	1	13	26	2.5	1	1.2	1	2	1	49	6	40	2	0.5	1	0.5	1	83	3
617-B	1	4	8	2.5	1	0.8	1	3	1	51	6	20	1	0.5	1	0.5	1	66	2
617-C	1	1	2	2.5	1	1.6	1	23	4	46	6	50	3	0.5	1	4	5	62	2
617-D	1	0.5	1	2.5	1	1.7	2	25	4	39	5	50	3	0.5	1	4	5	58	2
500-A	1	2	4	8	3	12.5	11	16	3	121	15	180	10	0.5	1	3	4	23	1
500-B	1	0.5	1	2.5	1	4.1	4	11	2	26	3	50	3	0.5	1	2	3	34	1
500-C	1	0.5	1	5	2	11.6	11	70	12	13	2	60	3	1	2	14	19	111	4
500-D	1	0.5	1	2.5	1	11.8	11	77	13	16	2	80	5	1	2	16	22	105	3
502-A	1	0.5	1	5	2	6.6	6	11	2	31	4	110	6	0.5	1	2	3	43	1
502-B	1	0.5	1	2.5	1	4.9	4	21	4	15	2	70	4	0.5	1	4	5	69	2
502-C	1	0.5	1	7	3	7.8	7	54	9	11	1	40	2	1	2	11	15	110	4
502-D	1	0.5	1	7	3	6.1	6	79	14	9	1	20	1	0.5	1	17	23	111	4
503-A	1	0.5	1	5	2	4.3	4	28	5	14	2	50	3	0.5	1	6	8	39	1
503-B	1	0.5	1	7	3	15.8	14	597	104	16	2	120	7	1	2	101	138	86	3
503-C	1	0.5	1	13	5	49.4	45	461	80	10	1	80	5	3	6	84	115	107	3
503-D	1	0.5	1	26	10	24	22	419	73	7	1	90	5	1	2	80	109	110	4
504-A	1	0.5	1	2.5	1	5.7	5	16	3	31	4	240	14	0.5	1	3	4	53	2
504-B	1	0.5	1	8	3	28.6	26	103	18	11	1	160	9	4	8	19	26	125	4
504-C	1	0.5	1	25	10	18.2	17	148	26	6	1	220	12	3	6	33	45	217	7
504-D	1	0.5	1	70	28	28.5	26	121	21	6	1	100	6	1	2	27	37	175	6
505-A	1	0.5	1	10	4	6.4	6	27	5	95	12	430	24	0.5	1	5	7	104	3
505-B	1	0.5	1	6	2	7.3	7	31	5	32	4	80	5	0.5	1	7	10	46	1
505-C	1	0.5	1	6	2	4.4	4	64	11	20	2	40	2	0.5	1	13	18	121	4
505-D	1	0.5	1	10	4	8.3	8	139	24	17	2	70	4	0.5	1	28	38	125	4
506-A	1	0.5	1	5	2	5.8	5	27	5	33	4	170	10	0.5	1	6	8	18	1
506-B	1	0.5	1	2.5	1	4.1	4	11	2	29	4	110	6	0.5	1	2	3	69	2
506-C	1	0.5	1	5	2	15.4	14	174	30	11	1	370	21	2	4	36	49	164	5
506-D	1	0.5	1	13	5	14.2	13	128	22	6	1	1140	64	0.5	1	27	37	169	6
507-A	1	0.5	1	8	3	2.7	2	85	15	24	3	140	8	0.5	1	16	22	119	4
507-B	1	0.5	1	11	4	4.6	4	231	40	8	1	120	7	0.5	1	47	64	187	6
507-C	1	0.5	1	14	6	5.4	5	159	28	6	1	130	7	1	2	31	42	241	8
507-D	1	0.5	1	31	12	7.3	7	141	25	6	1	170	10	0.5	1	27	37	236	8
508-A	1	0.5	1	13	5	3.8	3	113	20	25	3	380	21	0.5	1	21	29	191	6
508-B	1	0.5	1	7	3	6.8	6	161	28	11	1	180	10	0.5	1	31	42	170	6
508-C	1	0.5	1	11	4	5.7	5	165	29	5	1	210	12	0.5	1	29	40	194	6
508-D	1	0.5	1	17	7	13.2	12	134	23	9	1	310	18	0.5	1	24	33	226	7
509-A	1	0.5	1	9	4	3.2	3	19	3	62	8	270	15	0.5	1	4	5	72	2
509-B	1	0.5	1	10	4	2	2	12	2	56	7	90	5	0.5	1	2	3	148	5
509-C	1	0.5	1	8	3	1.1	1	30	5	21	3	650	37	0.5	1	5	7	71	2
509-D	1	0.5	1	11	4	4.6	4	57	10	14	2	5070	287	0.5	1	11	15	110	4
510-A	1	0.5	1	6	2	2.7	2	4	1	40	5	170	10	0.5	1	0.5	1	58	2
510-B	1	0.5	1	10	4	12.5	11	62	11	17	2	190	11	1	2	11	15	153	5
510-C	1	0.5	1	9	4	31.6	29	84	15	7	1	70	4	3	6	18	25	206	7
510-D	1	0.5	1	2.5	1	23.3	21	102	18	5	1	40	2	2	4	22	30	175	6
511-A (510 Duplicate)	1	0.5	1	2.5	1	2	2	2	1	27	3	110	6	0.5	1	0.5	1	27	1
511-B (510 Duplicate)	1	0.5	1	2.5	1	6.8	6	103	18	11	1	140	8	0.5	1	20	27	133	4

Analyte	LIRR	Mg	MgRR	Mo	MoRR	Nb	NbRR	Nd	NdRR	Ni	NiRR	Pb	PbRR	Pd	PdRR	Pr	PrRR	Rb	RbRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		1		5		0.5		1		5		10		1		1		5	
Units		PPM		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB	
511-C (510 Duplicate)	1	0.5	1	2.5	1	5.8	5	114	20	5	1	100	6	0.5	1	24	33	154	5
511-D (510 Duplicate)	1	0.5	1	2.5	1	9.9	9	84	15	6	1	90	5	0.5	1	18	25	151	5
512-A	1	1	2	10	4	2.6	2	20	3	67	8	420	24	0.5	1	3	4	80	3
512-B	1	0.5	1	7	3	1.9	2	127	22	17	2	160	9	0.5	1	26	36	162	5
512-C	1	0.5	1	11	4	4.5	4	186	32	11	1	100	6	0.5	1	38	52	191	6
512-D	1	0.5	1	11	4	10.3	9	162	28	6	1	70	4	2	4	34	47	213	7
513-A	1	1	2	12	5	2.4	2	43	8	32	4	280	16	0.5	1	9	12	45	1
513-B	1	0.5	1	2.5	1	1.8	2	60	10	16	2	280	16	0.5	1	10	14	90	3
513-C	1	0.5	1	5	2	0.9	1	95	17	16	2	50	3	0.5	1	17	23	39	1
513-D	1	0.5	1	2.5	1	1.4	1	140	24	13	2	10	1	0.5	1	27	37	15	1
514-A	1	2	4	8	3	1.2	1	13	2	43	5	400	23	0.5	1	2	3	60	2
514-B	1	0.5	1	6	2	1.7	2	96	17	43	5	320	18	0.5	1	17	23	85	3
514-C	1	0.5	1	6	2	3.1	3	188	33	28	3	170	10	0.5	1	36	49	115	4
514-D	1	0.5	1	9	4	6.1	6	201	35	15	2	210	12	1	2	39	53	122	4
515-A	1	5	10	10	4	1.7	2	31	5	115	14	740	42	0.5	1	6	8	92	3
515-B	1	1	2	7	3	1.4	1	87	15	81	10	520	29	0.5	1	16	22	70	2
515-C	1	0.5	1	7	3	2.3	2	108	19	72	9	470	27	0.5	1	20	27	81	3
515-D	1	0.5	1	2.5	1	1.4	1	131	23	60	7	380	21	0.5	1	23	31	84	3
516-A	1	2	4	2.5	1	1.7	2	8	1	55	7	650	37	0.5	1	1	1	45	1
516-B	1	0.5	1	2.5	1	1	1	11	2	41	5	200	11	0.5	1	2	3	55	2
516-C	1	0.5	1	2.5	1	1.4	1	46	8	42	5	100	6	0.5	1	8	11	53	2
516-D	1	0.5	1	2.5	1	1.4	1	54	9	47	6	160	9	0.5	1	9	12	60	2
517-A	1	0.5	1	2.5	1	1.7	2	28	5	35	4	390	22	0.5	1	5	7	78	3
517-B	1	0.5	1	2.5	1	2.8	3	67	12	22	3	270	15	0.5	1	13	18	66	2
517-C	1	0.5	1	2.5	1	3.1	3	97	17	19	2	310	18	0.5	1	19	26	40	1
517-D	1	0.5	1	2.5	1	3	3	90	16	19	2	370	21	0.5	1	17	23	55	2
518-A	1	0.5	1	2.5	1	1.6	1	11	2	31	4	510	29	0.5	1	2	3	48	2
518-B	1	0.5	1	2.5	1	2.2	2	111	19	28	3	430	24	0.5	1	21	29	104	3
518-C	1	0.5	1	2.5	1	2	2	171	30	32	4	510	29	0.5	1	32	44	114	4
518-D	1	0.5	1	2.5	1	2.8	3	176	31	27	3	470	27	0.5	1	34	47	112	4
519-A	1	3	6	11	4	12.6	11	113	20	130	16	560	32	1	2	20	27	49	2
519-B	1	0.5	1	2.5	1	1.2	1	84	15	31	4	70	4	0.5	1	15	21	90	3
519-C	1	0.5	1	2.5	1	1.1	1	142	25	18	2	60	3	0.5	1	26	36	114	4
519-D	1	0.5	1	2.5	1	2.5	2	138	24	16	2	60	3	0.5	1	24	33	84	3
520-A	1	0.5	1	7	3	5.9	5	39	7	45	5	200	11	0.5	1	8	11	95	3
520-B	1	0.5	1	6	2	5.2	5	33	6	13	2	120	7	0.5	1	6	8	79	3
520-C	1	0.5	1	9	4	5.3	5	57	10	9	1	40	2	1	2	11	15	121	4
520-D	1	0.5	1	10	4	9.8	9	82	14	8	1	30	2	2	4	17	23	136	4
521-A	1	0.5	1	2.5	1	5.9	5	6	1	54	7	20	1	0.5	1	1	1	96	3
521-B	1	0.5	1	2.5	1	3.4	3	7	1	33	4	20	1	0.5	1	1	1	65	2
521-C	1	0.5	1	7	3	11.3	10	143	25	9	1	150	8	2	4	30	41	177	6
521-D	1	0.5	1	5	2	6	5	57	10	14	2	150	8	0.5	1	11	15	125	4
25th PERCENTILE		0.5		2.5		1.675		13		14		37.5		0.5		2		53	
BACKGROUND		0.5		2.5		1.097436		5.72973		8.236111		17.69231		0.5		0.730769		30.68421	

Analyte	Sb	SbRR	Sc	ScRR	Sm	SmRR	Sn	SnRR	Sr	SrRR	Ta	TaRR	Tb	TbRR	Te	TeRR	Th	ThRR	Ti
Method	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Detection	1		5		1		1		10		1		1		10		0.5		3
Units	PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB
600-A	0.5	1	22	1	1	1	0.5	1	40	8	1	2	0.5	1	5	1	2.7	2	266
600-B	0.5	1	36	2	7	3	0.5	1	20	4	1	2	2	3	5	1	4	3	394
600-C	0.5	1	53	2	14	6	0.5	1	20	4	0.5	1	5	8	5	1	4.2	3	397
600-D	0.5	1	93	4	64	30	0.5	1	10	2	0.5	1	16	24	5	1	2.1	1	141
601-A	0.5	1	52	2	1	1	0.5	1	50	10	0.5	1	0.5	1	5	1	2.1	1	455
601-B	0.5	1	68	3	12	6	0.5	1	10	2	0.5	1	4	6	5	1	2.2	1	488
601-C	0.5	1	80	4	17	8	0.5	1	10	2	0.5	1	5	8	5	1	2.8	2	743
601-D	0.5	1	91	4	42	19	0.5	1	10	2	0.5	1	8	12	5	1	6	4	1780
602-A	0.5	1	66	3	4	2	0.5	1	70	14	0.5	1	2	3	5	1	2.9	2	353
602-B	0.5	1	66	3	9	4	0.5	1	20	4	0.5	1	4	6	5	1	2.2	1	375
602-C	0.5	1	69	3	18	8	0.5	1	10	2	0.5	1	6	9	5	1	1.9	1	337
602-D	0.5	1	83	4	25	12	0.5	1	10	2	0.5	1	7	11	5	1	2.6	2	350
603-A	0.5	1	48	2	4	2	1	2	100	20	0.5	1	0.5	1	5	1	3.8	2	2140
603-B	0.5	1	29	1	2	1	0.5	1	70	14	0.5	1	0.5	1	5	1	1.6	1	385
603-C	0.5	1	45	2	22	10	0.5	1	30	6	0.5	1	7	11	5	1	2.8	2	676
603-D	0.5	1	47	2	28	13	0.5	1	20	4	0.5	1	7	11	5	1	3.5	2	789
604-A	0.5	1	18	1	0.5	1	0.5	1	170	34	0.5	1	0.5	1	5	1	1.1	1	308
604-B	0.5	1	27	1	2	1	0.5	1	20	4	0.5	1	1	2	5	1	1.2	1	502
604-C	0.5	1	41	2	8	4	0.5	1	10	2	0.5	1	3	5	5	1	2.6	2	1080
604-D	0.5	1	60	3	16	7	0.5	1	10	2	0.5	1	5	8	5	1	3.6	2	1130
605-A	0.5	1	18	1	0.5	1	0.5	1	70	14	0.5	1	0.5	1	5	1	1	1	198
605-B	0.5	1	21	1	0.5	1	0.5	1	40	8	0.5	1	0.5	1	5	1	0.8	1	162
605-C	0.5	1	34	2	4	2	0.5	1	10	2	0.5	1	2	3	5	1	1.4	1	630
605-D	0.5	1	53	2	14	6	0.5	1	10	2	0.5	1	4	6	5	1	3.5	2	1040
606-A	0.5	1	41	2	7	3	0.5	1	90	18	0.5	1	2	3	5	1	3	2	679
606-B	0.5	1	39	2	5	2	0.5	1	60	12	0.5	1	2	3	5	1	2.1	1	396
606-C	0.5	1	37	2	9	4	0.5	1	20	4	0.5	1	3	5	5	1	1.7	1	494
606-D	0.5	1	44	2	15	7	0.5	1	20	4	0.5	1	4	6	5	1	3.1	2	804
607-A	0.5	1	22	1	2	1	0.5	1	50	10	0.5	1	0.5	1	5	1	3.1	2	691
607-B	0.5	1	27	1	3	1	0.5	1	10	2	0.5	1	2	3	5	1	1.5	1	192
607-C	0.5	1	38	2	5	2	0.5	1	10	2	0.5	1	3	5	5	1	1.1	1	197
607-D	0.5	1	48	2	13	6	0.5	1	5	1	0.5	1	4	6	5	1	2.9	2	549
608-A	0.5	1	33	2	0.5	1	0.5	1	50	10	1	2	0.5	1	5	1	2.9	2	516
608-B	0.5	1	17	1	0.5	1	0.5	1	10	2	0.5	1	0.5	1	5	1	2.1	1	465
608-C	0.5	1	44	2	3	1	0.5	1	5	1	1	2	1	2	5	1	3.1	2	699
608-D	0.5	1	34	2	12	6	0.5	1	5	1	0.5	1	3	5	5	1	5.5	4	1240
609-A	0.5	1	29	1	2	1	0.5	1	70	14	0.5	1	0.5	1	5	1	2.9	2	907
609-B	0.5	1	32	1	3	1	0.5	1	10	2	0.5	1	2	3	5	1	1.4	1	292
609-C	0.5	1	50	2	9	4	0.5	1	5	1	0.5	1	4	6	5	1	1.3	1	313
609-D	0.5	1	59	3	12	6	0.5	1	5	1	0.5	1	5	8	5	1	1.4	1	401
610-A	0.5	1	62	3	3	1	0.5	1	40	8	0.5	1	0.5	1	5	1	2.8	2	355
610-B	0.5	1	159	7	13	6	0.5	1	5	1	0.5	1	3	5	5	1	4.5	3	768
610-C	0.5	1	104	5	15	7	0.5	1	5	1	0.5	1	4	6	5	1	2.1	1	356
610-D	0.5	1	140	7	34	16	0.5	1	5	1	0.5	1	8	12	5	1	2.4	2	1050
611-A (Duplicate 610)	0.5	1	73	3	2	1	0.5	1	30	6	0.5	1	0.5	1	5	1	3.5	2	491
611-B (Duplicate 610)	0.5	1	97	5	6	3	0.5	1	5	1	0.5	1	2	3	5	1	2.2	1	331
611-C (Duplicate 610)	0.5	1	126	6	12	6	0.5	1	5	1	0.5	1	4	6	5	1	4	3	307
611-D (Duplicate 610)	0.5	1	155	7	23	11	0.5	1	5	1	1	2	6	9	5	1	6.2	4	1910
612-A	0.5	1	11	1	0.5	1	0.5	1	70	14	0.5	1	0.5	1	5	1	1.2	1	283
612-B	0.5	1	22	1	0.5	1	0.5	1	10	2	0.5	1	0.5	1	5	1	1.6	1	231
612-C	0.5	1	35	2	2	1	0.5	1	5	1	0.5	1	1	2	5	1	1.9	1	698
612-D	0.5	1	47	2	7	3	0.5	1	5	1	0.5	1	3	5	5	1	4.5	3	1630
613-A	0.5	1	13	1	7	3	0.5	1	100	20	0.5	1	2	3	5	1	0.7	1	63
613-B	0.5	1	33	2	37	17	0.5	1	20	4	0.5	1	12	18	5	1	0.25	1	24
613-C	0.5	1	55	3	336	155	0.5	1	20	4	0.5	1	62	94	5	1	1.1	1	81
613-D	0.5	1	66	3	283	131	0.5	1	20	4	0.5	1	51	77	5	1	1.4	1	32
614-A	0.5	1	53	2	22	10	0.5	1	140	28	0.5	1	8	12	5	1	4.8	3	1240

Analyte	Sb	SbRR	Sc	ScRR	Sm	SmRR	Sn	SnRR	Sr	SrRR	Ta	TaRR	Tb	TbRR	Te	TeRR	Th	ThRR	Ti
Method	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Detection	1		5		1		1		10		1		1		10		0.5		3
Units	PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB
614-B	0.5	1	50	2	23	11	0.5	1	60	12	0.5	1	15	23	5	1	4.5	3	926
614-C	0.5	1	72	3	40	18	0.5	1	30	6	0.5	1	13	20	5	1	9.3	6	2720
614-D	0.5	1	81	4	42	19	0.5	1	30	6	0.5	1	13	20	5	1	8.7	6	2580
615-A	0.5	1	35	2	4	2	0.5	1	60	12	0.5	1	2	3	5	1	3.3	2	801
615-B	0.5	1	51	2	20	9	0.5	1	30	6	0.5	1	7	11	5	1	3.9	2	980
615-C	0.5	1	74	3	8	4	0.5	1	30	6	0.5	1	3	5	5	1	5.4	3	1040
615-D	0.5	1	45	2	25	12	0.5	1	30	6	0.5	1	12	18	5	1	2.9	2	840
616-A	0.5	1	85	4	68	31	0.5	1	50	10	1	2	24	36	5	1	10.1	6	3010
616-B	0.5	1	96	4	14	6	0.5	1	20	4	0.5	1	6	9	5	1	5.2	3	1040
616-C	0.5	1	129	6	41	19	0.5	1	10	2	0.5	1	13	20	5	1	7.2	5	1290
616-D	0.5	1	123	6	66	30	0.5	1	5	1	0.5	1	18	27	5	1	7.2	5	779
617-A	0.5	1	22	1	0.5	1	0.5	1	190	38	0.5	1	0.5	1	5	1	1.8	1	453
617-B	0.5	1	34	2	2	1	0.5	1	60	12	0.5	1	1	2	5	1	1.1	1	342
617-C	0.5	1	44	2	9	4	0.5	1	20	4	0.5	1	3	5	5	1	1.5	1	906
617-D	0.5	1	45	2	10	5	0.5	1	20	4	0.5	1	4	6	5	1	1.6	1	999
500-A	1	2	50	2	4	2	0.5	1	30	6	3	6	1	2	5	1	8.9	6	1030
500-B	0.5	1	26	1	4	2	0.5	1	10	2	2	4	2	3	5	1	3.1	2	119
500-C	2	4	34	2	20	9	0.5	1	5	1	2	4	4	6	5	1	10.4	7	945
500-D	0.5	1	35	2	22	10	0.5	1	5	1	2	4	4	6	5	1	10.1	6	1090
502-A	0.5	1	20	1	4	2	0.5	1	10	2	1	2	2	3	5	1	4.7	3	217
502-B	0.5	1	25	1	8	4	0.5	1	5	1	1	2	3	5	5	1	4.5	3	164
502-C	3	6	31	1	17	8	0.5	1	10	2	1	2	4	6	5	1	11.4	7	1420
502-D	4	8	38	2	24	11	0.5	1	5	1	0.5	1	5	8	5	1	11.8	8	1240
503-A	0.5	1	13	1	8	4	0.5	1	10	2	0.5	1	2	3	5	1	1.6	1	312
503-B	1	2	22	1	185	85	0.5	1	5	1	2	4	38	58	5	1	9	6	1320
503-C	7	14	35	2	135	62	3	6	5	1	4	8	26	39	5	1	25.1	16	4380
503-D	13	26	37	2	122	56	1	2	10	2	2	4	19	29	5	1	11.6	7	6900
504-A	0.5	1	35	2	7	3	0.5	1	10	2	0.5	1	3	5	5	1	8.1	5	585
504-B	0.5	1	42	2	34	16	1	2	5	1	3	6	7	11	5	1	27.3	17	622
504-C	5	10	41	2	39	18	1	2	5	1	2	4	6	9	5	1	26.2	17	4150
504-D	7	14	40	2	33	15	2	4	10	2	2	4	5	8	5	1	16.9	11	7520
505-A	7	14	51	2	10	5	0.5	1	20	4	1	2	2	3	5	1	10.7	7	1220
505-B	0.5	1	28	1	9	4	0.5	1	5	1	0.5	1	2	3	5	1	10.6	7	775
505-C	2	4	36	2	20	9	0.5	1	5	1	0.5	1	4	6	5	1	6.4	4	1090
505-D	8	16	45	2	38	18	0.5	1	5	1	0.5	1	6	9	5	1	8.1	5	2510
506-A	0.5	1	25	1	8	4	0.5	1	10	2	0.5	1	1	2	5	1	8.6	5	838
506-B	0.5	1	29	1	5	2	0.5	1	5	1	0.5	1	2	3	5	1	3	2	235
506-C	3	6	53	2	47	22	0.5	1	5	1	1	2	7	11	5	1	15.9	10	1240
506-D	6	12	46	2	36	17	1	2	10	2	1	2	6	9	5	1	8.5	5	6120
507-A	0.5	1	57	3	28	13	0.5	1	5	1	0.5	1	7	11	5	1	7.3	5	399
507-B	1	2	63	3	55	25	0.5	1	5	1	0.5	1	8	12	5	1	9.8	6	876
507-C	1	2	77	4	47	22	0.5	1	5	1	0.5	1	7	11	5	1	9.2	6	1170
507-D	3	6	68	3	42	19	0.5	1	10	2	0.5	1	6	9	5	1	4.8	3	3200
508-A	2	4	77	4	39	18	0.5	1	5	1	0.5	1	8	12	5	1	11.4	7	1010
508-B	2	4	53	2	44	20	0.5	1	5	1	0.5	1	7	11	5	1	9.2	6	1020
508-C	3	6	49	2	45	21	0.5	1	5	1	0.5	1	5	8	5	1	3.7	2	1730
508-D	6	12	66	3	42	19	0.5	1	10	2	0.5	1	6	9	5	1	4.5	3	5170
509-A	1	2	32	1	7	3	0.5	1	30	6	0.5	1	2	3	5	1	9.3	6	655
509-B	0.5	1	28	1	5	2	0.5	1	20	4	0.5	1	2	3	5	1	5.2	3	459
509-C	2	4	27	1	11	5	0.5	1	5	1	0.5	1	3	5	5	1	4.7	3	217
509-D	3	6	29	1	18	8	0.5	1	5	1	0.5	1	3	5	5	1	5.8	4	1230
510-A	0.5	1	25	1	2	1	0.5	1	20	4	0.5	1	1	2	5	1	4.8	3	615
510-B	2	4	47	2	21	10	0.5	1	5	1	1	2	5	8	5	1	14.7	9	2320
510-C	3	6	47	2	25	12	2	4	10	2	3	6	4	6	5	1	21.6	14	3080
510-D	2	4	36	2	28	13	0.5	1	10	2	2	4	5	8	5	1	17	11	4760
511-A (510 Duplicate)	0.5	1	14	1	0.5	1	0.5	1	20	4	0.5	1	0.5	1	5	1	2.2	1	255
511-B (510 Duplicate)	1	2	42	2	30	14	0.5	1	5	1	0.5	1	5	8	5	1	9	6	830

			Sb	SbRR	Sc	ScRR	Sm	SmRR	Sn	SnRR	Sr	SrRR	Ta	TaRR	Tb	TbRR	Te	TeRR	Th	ThRR	Ti
Met			MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5
Det	on		1		5		1		1		10		1		1		10		0.5		3
Units			PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB
51	510 Du	icate)	2	4	36	2	31	14	0.5	1	20	4	0.5	1	5	8	5	1	8.7	6	1510
51	510 Du	icate)	[illegible]	12	25	1	22	10	0.5	1	20	4	0.5	1	3	5	5	1	7.7	5	3230
51			1	2	41	2	7	3	0.5	1	30	6	0.5	1	2	3	5	1	7	4	506
51			1	2	48	2	34	16	0.5	1	5	1	0.5	1	6	9	5	1	5.2	3	480
51			1	2	64	3	46	21	0.5	1	10	2	1	2	8	12	5	1	8.5	5	1140
51			2	4	77	4	44	20	0.5	1	20	4	2	4	7	11	5	1	10.5	7	1130
51			1	2	36	2	12	6	0.5	1	20	4	0.5	1	2	3	5	1	8	5	559
51			0.5	1	59	3	21	10	0.5	1	5	1	0.5	1	6	9	5	1	2.9	2	297
51			0.5	1	67	3	29	13	0.5	1	5	1	0.5	1	6	9	5	1	2.5	2	488
51			2	4	81	4	40	18	0.5	1	5	1	0.5	1	7	11	5	1	4.8	3	1120
51			0.5	1	38	2	5	2	0.5	1	20	4	0.5	1	3	5	5	1	3.7	2	312
51			0.5	1	61	3	29	13	0.5	1	10	2	0.5	1	7	11	5	1	3.9	2	414
51			1	2	68	3	50	23	0.5	1	10	2	0.5	1	9	14	5	1	4.9	3	1460
51			2	4	97	5	55	25	0.5	1	20	4	0.5	1	10	15	5	1	12.6	8	2340
51			2	4	47	2	11	5	0.5	1	50	10	0.5	1	3	5	5	1	8	5	598
51			0.5	1	43	2	28	13	0.5	1	20	4	0.5	1	7	11	5	1	7.2	5	491
51			0.5	1	44	2	32	15	0.5	1	10	2	0.5	1	8	12	5	1	6.2	4	729
51			0.5	1	40	2	41	19	0.5	1	5	1	0.5	1	10	15	5	1	3.9	2	424
51			1	2	31	1	4	2	0.5	1	30	6	0.5	1	2	3	5	1	2.5	2	320
51			0.5	1	36	2	5	2	0.5	1	20	4	0.5	1	3	5	5	1	1.2	1	238
51			0.5	1	45	2	15	7	0.5	1	10	2	0.5	1	4	6	5	1	2.5	2	408
51			1	2	58	3	18	8	0.5	1	10	2	0.5	1	5	8	5	1	2.8	2	489
51			0.5	1	43	2	11	5	0.5	1	5	1	0.5	1	4	6	5	1	3.6	2	340
51			1	2	41	2	20	9	0.5	1	5	1	0.5	1	5	8	5	1	5.1	3	593
5			1	2	44	2	28	13	0.5	1	5	1	0.5	1	6	9	5	1	8.4	5	833
			1	2	52	2	27	12	0.5	1	5	1	0.5	1	6	9	5	1	9	6	815
			0.5	1	31	1	5	2	0.5	1	10	2	0.5	1	3	5	5	1	2.8	2	168
			0.5	1	35	2	30	14	0.5	1	5	1	0.5	1	6	9	5	1	2.7	2	213
			0.5	1	39	2	45	21	0.5	1	5	1	0.5	1	8	12	5	1	3.5	2	194
			0.5	1	37	2	49	23	0.5	1	10	2	0.5	1	9	14	5	1	5.1	3	194
			2	4	30	1	33	15	0.5	1	130	26	1	2	7	11	5	1	13	8	1410
			0.5	1	11	1	26	12	0.5	1	20	4	0.5	1	7	11	5	1	1.9	1	300
			0.5	1	15	1	41	19	0.5	1	10	2	0.5	1	10	15	5	1	1.7	1	232
			0.5	1	15	1	40	18	0.5	1	10	2	0.5	1	10	15	5	1	1.6	1	319
			0.5	1	11	1	12	6	0.5	1	10	2	0.5	1	3	5	5	1	5	3	878
			0.5	1	10	1	11	5	0.5	1	5	1	0.5	1	3	5	5	1	3.6	2	301
			1	2	21	1	17	8	0.5	1	5	1	0.5	1	3	5	5	1	10.1	6	975
			2	4	35	2	24	11	0.5	1	5	1	0.5	1	4	6	5	1	15.9	10	2260
			0.5	1	27	1	2	1	0.5	1	20	4	0.5	1	1	2	5	1	6.2	4	775
			0.5	1	18	1	3	1	0.5	1	5	1	0.5	1	2	3	5	1	3.1	2	480
			3	6	58	3	43	20	19	38	10	2	0.5	1	8	12	5	1	13.2	8	4490
			0.5	1	33	2	19	9	0.5	1	5	1	0.5	1	4	6	5	1	7.7	5	1910
	ERCEN	ILE	0.5		31		5		0.5		5		0.5		2		5		2.475		348
	ROUN		0.5		21.40541		2.166667		0.5		5		0.5		0.66		5		1.570513		231.9744

Analyte	TIRR	Tl	TIRR	U	URR	W	WRR	Y	YRR	Yb	YbRR	Zn	ZnRR	Zr	ZrRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		0.5		1		1		5		1		20		5	
Units		PPB		PPB		PPB		PPB		PPB		PPB		PPB	
600-A	1	1	4	2	1	1	2	32	1	7	2	300	3	27	1
600-B	2	0.8	3	3	2	0.5	1	70	2	8	2	180	2	105	3
600-C	2	0.7	3	5	3	0.5	1	105	3	11	3	100	1	138	4
600-D	1	0.25	1	6	3	0.5	1	379	10	29	7	150	2	49	1
601-A	2	0.5	2	2	1	0.5	1	33	1	10	2	1070	12	43	1
601-B	2	0.25	1	4	2	0.5	1	118	3	11	3	320	4	67	2
601-C	3	0.25	1	4	2	0.5	1	126	3	12	3	440	5	82	2
601-D	8	0.6	2	4	2	0.5	1	159	4	14	3	240	3	157	5
602-A	2	0.6	2	4	2	0.5	1	99	3	17	4	1250	14	56	2
602-B	2	0.25	1	4	2	0.5	1	146	4	17	4	740	8	57	2
602-C	1	0.25	1	4	2	0.5	1	188	5	16	4	390	4	59	2
602-D	2	0.25	1	5	3	0.5	1	214	5	18	4	460	5	82	2
603-A	9	0.25	1	5	3	0.5	1	13	1	2	1	660	7	158	5
603-B	2	0.25	1	3	2	0.5	1	56	1	11	3	1400	16	36	1
603-C	3	0.25	1	5	3	0.5	1	207	5	15	4	1320	15	82	2
603-D	3	0.25	1	5	3	0.5	1	207	5	15	4	1320	15	112	3
604-A	1	0.25	1	1	1	0.5	1	2.5	1	2	1	210	2	25	1
604-B	2	0.25	1	2	1	0.5	1	68	2	9	2	500	6	34	1
604-C	5	0.25	1	3	2	0.5	1	99	3	9	2	480	5	100	3
604-D	5	0.25	1	4	2	0.5	1	132	3	11	3	390	4	125	4
605-A	1	0.25	1	1	1	0.5	1	22	1	6	1	310	4	18	1
605-B	1	0.25	1	1	1	0.5	1	25	1	6	1	360	4	17	1
605-C	3	0.25	1	3	2	0.5	1	71	2	7	2	400	5	43	1
605-D	4	0.25	1	4	2	0.5	1	87	2	7	2	300	3	101	3
606-A	3	0.25	1	4	2	0.5	1	84	2	8	2	930	11	53	2
606-B	2	0.25	1	3	2	0.5	1	83	2	9	2	880	10	36	1
606-C	2	0.5	2	2	1	0.5	1	94	2	8	2	710	8	56	2
606-D	3	0.7	3	3	2	0.5	1	101	3	8	2	710	8	105	3
607-A	3	0.6	2	3	2	0.5	1	14	1	4	1	460	5	70	2
607-B	1	0.6	2	2	1	0.5	1	65	2	7	2	220	2	35	1
607-C	1	1.3	5	2	1	0.5	1	99	3	10	2	270	3	29	1
607-D	2	1.5	6	4	2	0.5	1	116	3	11	3	220	2	73	2
608-A	2	1.5	6	1	1	1	2	8	1	2	1	140	2	41	1
608-B	2	0.9	4	2	1	0.5	1	16	1	4	1	150	2	46	1
608-C	3	1.2	5	3	2	1	2	46	1	5	1	190	2	68	2
608-D	5	0.7	3	4	2	0.5	1	71	2	6	1	220	2	120	4
609-A	4	0.6	2	4	2	0.5	1	20	1	3	1	620	7	65	2
609-B	1	0.25	1	3	2	0.5	1	53	1	7	2	360	4	33	1
609-C	1	0.25	1	3	2	0.5	1	112	3	10	2	350	4	36	1
609-D	2	0.25	1	3	2	0.5	1	134	3	12	3	320	4	44	1
610-A	2	0.25	1	2	1	0.5	1	21	1	3	1	650	7	63	2
610-B	3	0.25	1	3	2	0.5	1	63	2	7	2	140	2	153	5
610-C	2	0.25	1	4	2	0.5	1	178	5	16	4	90	1	62	2
610-D	5	0.25	1	6	3	0.5	1	255	7	22	5	150	2	63	2
611-A (Duplicate 610)	2	0.25	1	2	1	0.5	1	24	1	4	1	470	5	78	2
611-B (Duplicate 610)	1	0.25	1	2	1	0.5	1	63	2	8	2	120	1	64	2
611-C (Duplicate 610)	1	0.25	1	4	2	1	2	134	3	14	3	100	1	108	3
611-D (Duplicate 610)	8	0.25	1	7	4	1	2	163	4	16	4	200	2	186	6
612-A	1	0.6	2	0.5	1	0.5	1	2.5	1	0.5	1	90	1	23	1
612-B	1	0.25	1	2	1	0.5	1	30	1	5	1	190	2	30	1
612-C	3	0.25	1	3	2	0.5	1	50	1	6	1	190	2	45	1
612-D	7	0.25	1	5	3	0.5	1	70	2	7	2	160	2	130	4
613-A	1	1	4	1	1	0.5	1	93	2	21	5	1880	21	9	1
613-B	1	0.25	1	2	1	0.5	1	366	9	86	20	1020	12	8	1
613-C	1	0.8	3	3	2	2	4	1270	33	191	45	900	10	18	1
613-D	1	1	4	3	2	1	2	1130	29	164	38	920	10	16	1
614-A	5	0.6	2	5	3	0.5	1	462	12	25	6	4360	49	105	3

Analyte	TiRR	Tl	TlRR	U	URR	W	WRR	Y	YRR	Yb	YbRR	Zn	ZnRR	Zr	ZrRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		0.5		1		1		5		1		20		5	
Units		PPB		PPB		PPB		PPB		PPB		PPB		PPB	
614-B	4	0.25	1	6	3	0.5	1	1350	35	57	13	2740	31	85	3
614-C	12	0.6	2	7	4	1	2	1080	28	48	11	1810	20	209	6
614-D	11	0.7	3	7	4	0.5	1	932	24	40	9	2010	23	212	6
615-A	3	0.8	3	4	2	0.5	1	108	3	10	2	1330	15	55	2
615-B	4	0.5	2	5	3	0.5	1	251	6	16	4	1530	17	74	2
615-C	4	0.7	3	4	2	0.5	1	96	2	11	3	990	11	86	3
615-D	4	0.5	2	5	3	0.5	1	614	16	27	6	2300	26	70	2
616-A	13	0.8	3	12	7	1	2	1140	29	52	12	4210	48	300	9
616-B	4	0.9	4	5	3	0.5	1	190	5	24	6	510	6	101	3
616-C	6	0.7	3	6	3	0.5	1	367	9	35	8	350	4	146	4
616-D	3	0.6	2	9	5	0.5	1	605	16	47	11	290	3	171	5
617-A	2	0.25	1	2	1	0.5	1	21	1	4	1	2220	25	24	1
617-B	1	0.25	1	2	1	0.5	1	53	1	7	2	1480	17	22	1
617-C	4	0.25	1	3	2	0.5	1	87	2	8	2	930	11	46	1
617-D	4	0.25	1	3	2	0.5	1	93	2	8	2	720	8	50	2
500-A	4	0.5	2	6	3	4	8	47	1	7	2	810	9	226	7
500-B	1	0.25	1	3	2	2	4	51	1	5	1	110	1	93	3
500-C	4	0.25	1	9	5	2	4	94	2	8	2	110	1	422	13
500-D	5	0.25	1	7	4	1	2	87	2	7	2	90	1	388	12
502-A	1	0.25	1	3	2	1	2	55	1	6	1	260	3	151	5
502-B	1	0.25	1	5	3	0.5	1	93	2	9	2	150	2	145	4
502-C	6	0.5	2	9	5	1	2	77	2	8	2	130	1	374	11
502-D	5	0.25	1	10	6	1	2	100	3	10	2	110	1	349	10
503-A	1	0.25	1	2	1	0.5	1	70	2	11	3	50	1	53	2
503-B	6	0.25	1	10	6	2	4	1020	26	72	17	90	1	353	11
503-C	19	0.25	1	12	7	3	6	621	16	48	11	90	1	1090	33
503-D	30	0.5	2	8	5	4	8	355	9	38	9	90	1	371	11
504-A	3	0.7	3	4	2	0.5	1	91	2	13	3	110	1	163	5
504-B	3	0.25	1	12	7	0.5	1	174	4	18	4	30	1	1110	33
504-C	18	0.6	2	10	6	2	4	100	3	12	3	60	1	904	27
504-D	32	0.8	3	7	4	4	8	89	2	10	2	80	1	494	15
505-A	5	1	4	7	4	2	4	67	2	9	2	460	5	199	6
505-B	3	0.25	1	7	4	0.5	1	29	1	3	1	110	1	297	9
505-C	5	0.25	1	7	4	0.5	1	93	2	9	2	110	1	179	5
505-D	11	0.25	1	7	4	1	2	118	3	11	3	140	2	225	7
506-A	4	0.25	1	5	3	0.5	1	28	1	3	1	130	1	216	6
506-B	1	0.25	1	3	2	0.5	1	87	2	11	3	130	1	87	3
506-C	5	0.25	1	9	5	0.5	1	134	3	14	3	70	1	622	19
506-D	26	0.8	3	6	3	3	6	101	3	14	3	110	1	244	7
507-A	2	0.7	3	8	5	0.5	1	166	4	20	5	170	2	137	4
507-B	4	0.8	3	9	5	0.5	1	180	5	18	4	70	1	198	6
507-C	5	0.9	4	8	5	1	2	134	3	17	4	110	1	258	8
507-D	14	0.8	3	5	3	2	4	114	3	17	4	100	1	97	3
508-A	4	0.9	4	10	6	1	2	203	5	32	7	420	5	171	5
508-B	4	0.6	2	8	5	0.5	1	164	4	17	4	150	2	212	6
508-C	7	0.9	4	4	2	1	2	109	3	13	3	160	2	93	3
508-D	22	1.1	4	4	2	3	6	123	3	18	4	250	3	68	2
509-A	3	0.6	2	4	2	0.5	1	38	1	5	1	390	4	88	3
509-B	2	0.25	1	5	3	0.5	1	49	1	7	2	410	5	43	1
509-C	1	0.25	1	5	3	0.5	1	95	2	10	2	250	3	41	1
509-D	5	0.25	1	5	3	1	2	81	2	9	2	170	2	67	2
510-A	3	0.9	4	3	2	0.5	1	52	1	9	2	140	2	46	1
510-B	10	0.8	3	10	6	2	4	106	3	12	3	100	1	327	10
510-C	13	0.9	4	10	6	2	4	81	2	9	2	70	1	811	24
510-D	21	0.5	2	7	4	3	6	84	2	9	2	80	1	659	20
511-A (510 Duplicate)	1	0.5	2	2	1	0.5	1	24	1	6	1	130	1	33	1
511-B (510 Duplicate)	4	0.8	3	6	3	0.5	1	126	3	13	3	80	1	228	7

Analyte	TlRR	Tl	TlRR	U	URR	W	WRR	Y	YRR	Yb	YbRR	Zn	ZnRR	Zr	ZrRR
Method		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
Detection		0.5		1		1		5		1		20		5	
Units		PPB		PPB		PPB		PPB		PPB		PPB		PPB	
511-C (510 Duplicate)	7	0.9	4	5	3	0.5	1	98	3	10	2	70	1	222	7
511-D (510 Duplicate)	14	0.9	4	3	2	1	2	72	2	7	2	120	1	169	5
512-A	2	0.8	3	4	2	0.5	1	66	2	8	2	700	8	96	3
512-B	2	1.2	5	5	3	0.5	1	154	4	14	3	210	2	104	3
512-C	5	1.2	5	7	4	1	2	193	5	16	4	160	2	197	6
512-D	5	1.3	5	7	4	1	2	137	4	14	3	100	1	403	12
513-A	2	1.2	5	4	2	0.5	1	51	1	7	2	360	4	72	2
513-B	1	1.3	5	5	3	0.5	1	219	6	24	6	310	4	76	2
513-C	2	0.8	3	6	3	0.5	1	157	4	15	4	240	3	54	2
513-D	5	0.6	2	7	4	0.5	1	157	4	14	3	230	3	94	3
514-A	1	1.1	4	3	2	0.5	1	114	3	16	4	1260	14	30	1
514-B	2	0.9	4	6	3	0.5	1	257	7	25	6	1020	12	70	2
514-C	6	0.7	3	8	5	0.5	1	250	6	22	5	630	7	112	3
514-D	10	1	4	11	6	1	2	249	6	23	5	530	6	222	7
515-A	3	1	4	4	2	0.5	1	102	3	12	3	3370	38	56	2
515-B	2	1.1	4	5	3	0.5	1	175	4	14	3	1400	16	59	2
515-C	3	1.3	5	6	3	0.5	1	219	6	18	4	1090	12	64	2
515-D	2	1.3	5	5	3	0.5	1	280	7	21	5	880	10	48	1
516-A	1	0.9	4	2	1	0.5	1	77	2	10	2	1340	15	34	1
516-B	1	0.6	2	2	1	0.5	1	115	3	12	3	1160	13	26	1
516-C	2	0.5	2	4	2	0.5	1	117	3	10	2	670	8	57	2
516-D	2	0.25	1	4	2	0.5	1	139	4	13	3	780	9	56	2
517-A	1	0.8	3	4	2	0.5	1	124	3	14	3	640	7	78	2
517-B	3	0.25	1	8	5	0.5	1	125	3	12	3	520	6	129	4
517-C	4	0.25	1	9	5	0.5	1	127	3	11	3	2100	24	155	5
517-D	4	0.5	2	9	5	0.5	1	163	4	15	4	950	11	156	5
518-A	1	0.7	3	2	1	0.5	1	109	3	15	4	250	3	47	1
518-B	1	0.6	2	4	2	0.5	1	187	5	15	4	250	3	70	2
518-C	1	0.25	1	4	2	0.5	1	231	6	18	4	270	3	80	2
518-D	1	0.25	1	4	2	0.5	1	226	6	18	4	270	3	124	4
519-A	6	0.8	3	8	5	1	2	190	5	14	3	820	9	375	11
519-B	1	0.25	1	3	2	0.5	1	200	5	13	3	170	2	40	1
519-C	1	0.5	2	3	2	0.5	1	265	7	19	4	110	1	36	1
519-D	1	0.25	1	3	2	0.5	1	301	8	20	5	110	1	43	1
520-A	4	1.1	4	3	2	0.5	1	69	2	6	1	140	2	113	3
520-B	1	0.25	1	5	3	0.5	1	92	2	7	2	60	1	104	3
520-C	4	0.25	1	10	6	0.5	1	78	2	7	2	40	1	269	8
520-D	10	0.25	1	12	7	2	4	83	2	8	2	40	1	432	13
521-A	3	1.2	5	3	2	0.5	1	36	1	6	1	160	2	116	3
521-B	2	0.7	3	4	2	0.5	1	57	1	7	2	110	1	81	2
521-C	19	0.9	4	10	6	2	4	110	3	12	3	110	1	400	12
521-D	8	0.8	3	7	4	0.5	1	83	2	9	2	50	1	228	7
25th PERCENTILE		0.25		3		0.5		69.75		7		127.5		49.75	
BACKGROUND		0.25		1.74		0.5		38.97436		4.270833		88.46154		33.33333	

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB
600-A	4	274	<10	0.4	540	<1	<10	<10	5	18	330	7	6.9	0.6	26	2	2	<5	2	<5	2.1	2	28	30
DUP-600-A	3	278	<10	0.3	390	<1	<10	<10	6	20	340	7	6.3	0.6	26	2	3	<5	2	<5	1.6	2	27	40
603-A	2	162	<10	0.3	350	<1	40	10	20	135	190	3	2	1	121	4	10	<5	8	<5	13.9	13	26	70
DUP-603-A	2	203	<10	0.5	390	<1	30	10	27	119	220	5	2.7	1.7	145	5	13	<5	5	7	21.5	17	31	80
606-A	3	239	<10	<0.1	200	<1	40	30	13	28	320	18	10.3	3	49	12	4	<5	3	<5	2.1	17	38	40
DUP-606-A	2	221	<10	0.1	200	<1	30	30	6	27	300	17	11	2	47	8	2	<5	3	<5	1.4	8	35	30
609-A	<1	223	<10	0.1	390	<1	<10	<10	9	28	240	5	3.5	0.9	92	3	4	<5	4	<5	3.3	5	29	20
DUP-609-A	<1	216	<10	<0.1	330	<1	<10	<10	7	28	250	5	4	0.6	90	2	4	<5	3	<5	2.2	3	38	20
612-A	1	205	<10	0.3	250	<1	<10	<10	<5	25	60	<1	<0.5	<0.5	98	<1	1	<5	3	<5	2.1	<1	43	10
DUP-612-A	1	215	<10	0.3	230	<1	<10	<10	<5	24	70	<1	<0.5	<0.5	84	<1	1	<5	2	<5	1.3	<1	49	10
615-A	2	227	<10	0.2	270	<1	20	40	10	72	960	20	13.3	1.8	65	9	5	<5	2	5	2.8	9	46	70
DUP-615-A	2	237	<10	0.2	240	<1	20	50	8	77	940	20	13.7	1.7	66	8	4	<5	2	6	3.2	7	40	60
500-A	6	>300	<10	1	200	<1	<10	20	19	46	850	11	7.6	2.2	178	7	14	<5	2	8	12.5	16	121	180
DUP-500-A	6	>300	<10	0.9	280	<1	<10	20	15	41	750	9	6.6	1.5	178	5	9	<5	<1	7	11	9	107	150
504-A	5	194	<10	2.1	120	<1	<10	<10	20	20	910	23	16.3	2.7	44	11	8	<5	<1	<5	6.7	16	31	240
DUP-504-A	6	200	<10	2.5	110	<1	<10	<10	16	22	1000	28	17.8	2.5	44	11	7	<5	<1	<5	7	13	27	270
507-A	20	194	<10	10.8	60	<1	<10	<10	101	26	1920	45	23.4	8.9	23	36	30	<5	<1	8	2.7	85	24	140
DUP-507-A	23	220	NVL	11.7	50	<1	<10	<10	132	22	1810	49	24.4	10.8	24	45	40	<5	<1	9	3.4	110	21	140
510-A	12	210	<10	4.5	140	<1	<10	<10	8	21	1900	13	9.6	1	60	4	3	<5	<1	6	2.7	4	40	170
DUP-510-A	10	204	NVL	4.6	150	<1	<10	<10	6	27	1680	6	6.4	0.5	68	1	3	<5	<1	6	2.3	2	35	150
513-A	9	150	20	5.1	220	<1	<10	<10	78	65	2960	14	7.2	4.2	92	14	28	<5	1	12	2.4	43	32	280
DUP-513-A	9	177	20	5.4	240	<1	<10	<10	93	77	3260	17	8.4	5	104	17	34	<5	1	18	3.4	53	37	340
516-A	6	204	<10	1.1	180	<1	<10	40	8	58	850	18	12.8	1.6	57	7	4	<5	2	<5	1.7	8	56	660
DUP-516-A	6	235	<10	1.4	160	<1	<10	50	13	50	900	21	13.4	2.5	57	11	6	<5	<1	<5	2	14	59	660
519-A	5	>300	<10	1.4	510	<1	50	30	103	70	1370	43	19.6	12	156	45	53	<5	3	11	12.6	113	130	560
DUP-519-A	6	>300	<10	1.5	460	<1	40	30	104	59	1430	44	21.4	11.8	145	46	52	<5	2	11	13.2	113	122	560

Replicate Analyses-MMISRM14

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB
MMISRM14	19	47	20	46.4	70	<1	270	<10	13	59	860	3	1	1.1	2	5	3	<5	38	35	<0.5	11	345	140
MMISRM14	21	55	20	47.8	60	<1	260	10	15	59	850	3	1.1	1.5	3	6	3	<5	37	40	<0.5	12	389	130
MMISRM14	19	39	10	44.5	70	<1	280	<10	14	51	800	2	1	1.1	2	4	3	<5	35	38	<0.5	12	309	120
MMISRM14	19	39	20	45.7	70	<1	270	<10	13	52	820	2	0.9	1	2	4	2	<5	36	38	<0.5	10	315	120

Recommended Values MMISRM 14

MMISRM14	19	36	13	44.1	60	<1	273	8	13	45	765	2	0.8	0.9	1.7	3	3	2	36	37	<0.5	10	289	100

ANALYTE	Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cu	Dy	Er	Eu	Fe	Gd	La	Li	Mg	Mo	Nb	Nd	Ni	Pb
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	10	0.1	10	1	10	10	5	5	10	1	0.5	0.5	1	1	1	5	1	5	0.5	1	5	10
UNITS	PPB	PPM	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPM	PPB	PPB	PPB	PPB	PPB
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10
BLANK	<1	<1	<10	<0.1	<10	<1	<10	<10	<5	<5	<10	<1	<0.5	<0.5	<1	<1	<1	<5	<1	<5	<0.5	<1	<5	<10

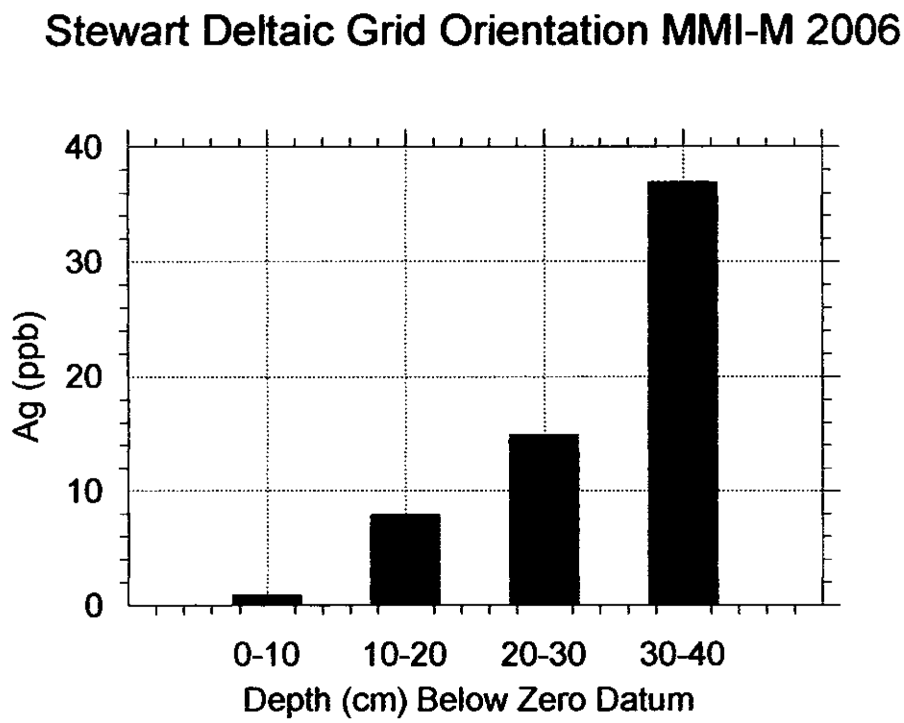
ANALYTE	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
600-A	<1	<1	99	<1	22	1	<1	40	1	<1	<10	2.7	266	1	2	1	32	7	300	27
DUP-600-A	<1	<1	90	<1	19	<1	<1	30	<1	<1	<10	1.5	270	0.7	2	<1	28	6	280	27
603-A	<1	2	42	<1	48	4	1	100	<1	<1	<10	3.8	2140	<0.5	5	<1	13	2	680	158
DUP-603-A	1	4	43	<1	58	5	2	90	1	<1	<10	4.6	3260	<0.5	8	<1	18	3	550	189
606-A	<1	3	41	<1	41	7	<1	90	<1	2	<10	3	679	<0.5	4	<1	84	8	930	53
DUP-606-A	<1	1	39	<1	37	4	<1	90	<1	2	<10	2.3	503	<0.5	3	<1	76	9	900	44
609-A	<1	1	85	<1	29	2	<1	70	<1	<1	<10	2.9	907	0.6	4	<1	20	3	620	65
DUP-609-A	<1	<1	93	<1	26	1	<1	60	<1	<1	<10	2.1	771	0.5	3	<1	18	4	600	55
612-A	<1	<1	14	<1	11	<1	<1	70	<1	<1	<10	1.2	283	0.6	<1	<1	<5	<1	90	23
DUP-612-A	<1	<1	17	<1	11	<1	<1	60	<1	<1	<10	0.7	248	0.5	<1	<1	<5	<1	80	20
615-A	<1	2	63	<1	35	4	<1	60	<1	2	<10	3.3	801	0.8	4	<1	108	10	1330	55
DUP-615-A	<1	1	63	<1	37	4	<1	60	<1	2	<10	3.2	947	0.7	4	<1	106	10	1400	49
500-A	<1	3	23	1	50	4	<1	30	3	1	<10	8.9	1030	0.5	6	4	47	7	810	226
DUP-500-A	<1	2	21	1	65	3	<1	40	<1	1	<10	8.2	909	0.6	5	<1	37	6	670	211
504-A	<1	3	53	<1	35	7	<1	10	<1	3	<10	8.1	585	0.7	4	<1	91	13	110	163
DUP-504-A	<1	3	59	<1	29	6	<1	10	<1	3	<10	9.6	628	0.7	4	<1	105	15	160	217
507-A	<1	16	119	<1	57	28	<1	<10	<1	7	<10	7.3	399	0.7	8	<1	166	20	170	137
DUP-507-A	<1	21	125	<1	53	35	<1	<10	<1	8	<10	8.8	490	0.7	9	<1	174	20	140	168
510-A	<1	<1	58	<1	25	2	<1	20	<1	1	<10	4.8	615	0.9	3	<1	52	9	140	46
DUP-510-A	<1	<1	55	<1	20	<1	<1	20	<1	<1	<10	3.4	489	1.1	2	<1	24	6	120	35
513-A	<1	9	45	1	38	12	<1	20	<1	2	<10	8	569	1.2	4	<1	51	7	380	72
DUP-513-A	<1	11	47	1	40	15	<1	20	<1	3	<10	9.8	919	1.2	5	<1	60	8	400	102
516-A	<1	1	45	1	31	4	<1	30	<1	2	<10	2.6	320	0.9	2	<1	77	10	1340	34
DUP-516-A	<1	2	43	2	39	6	<1	30	<1	3	<10	3	389	0.8	3	<1	90	11	1280	46
519-A	1	20	49	2	30	33	<1	130	1	7	<10	13	1410	0.8	8	1	190	14	820	375
DUP-519-A	2	21	43	2	28	33	<1	110	1	7	<10	13.2	1360	0.8	8	1	204	14	710	375
Replicate Ar																				
ANALYTE	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
MMISRM14	48	2	295	<1	8	4	<1	460	<1	<1	<10	16.3	<3	<0.5	37	<1	10	<1	360	14
MMISRM14	49	2	302	1	6	4	<1	430	<1	<1	<10	18.3	<3	<0.5	40	<1	10	1	390	14
MMISRM14	47	2	301	1	9	4	<1	550	<1	<1	<10	14.9	<3	<0.5	39	<1	10	<1	340	14
MMISRM14	48	2	297	1	<5	4	<1	550	<1	<1	<10	14.7	<3	<0.5	40	<1	9	<1	340	13
Recommend																				
MMISRM14	46	2	283	<1	5	3	<1	518	<1	<1	<10	16.2	<3	<0.5	40	<1	8	<1	345	13
ANALYTE	Pd	Pr	Rb	Sb	Sc	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
METHOD	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
DETECTION	1	1	5	1	5	1	1	10	1	1	10	0.5	3	0.5	1	1	5	1	20	5
UNITS	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
BLANK	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5
BLANK	<1	<1	<5	<1	<5	<1	<1	<10	<1	<1	<10	<0.5	<3	<0.5	<1	<1	<5	<1	<20	<5

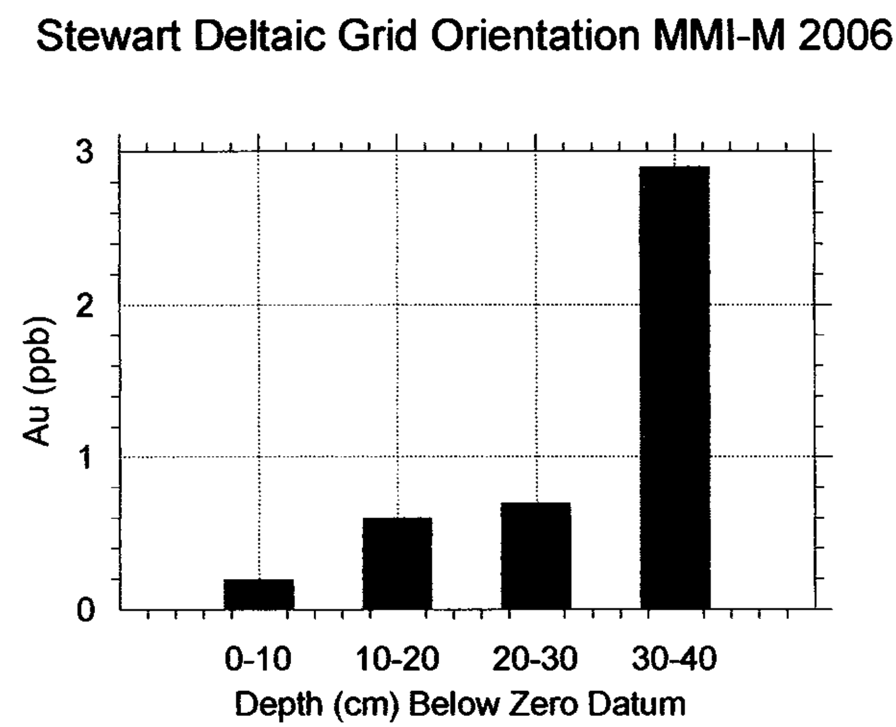
ORIENTATION RESULTS

APPENDIX 3O

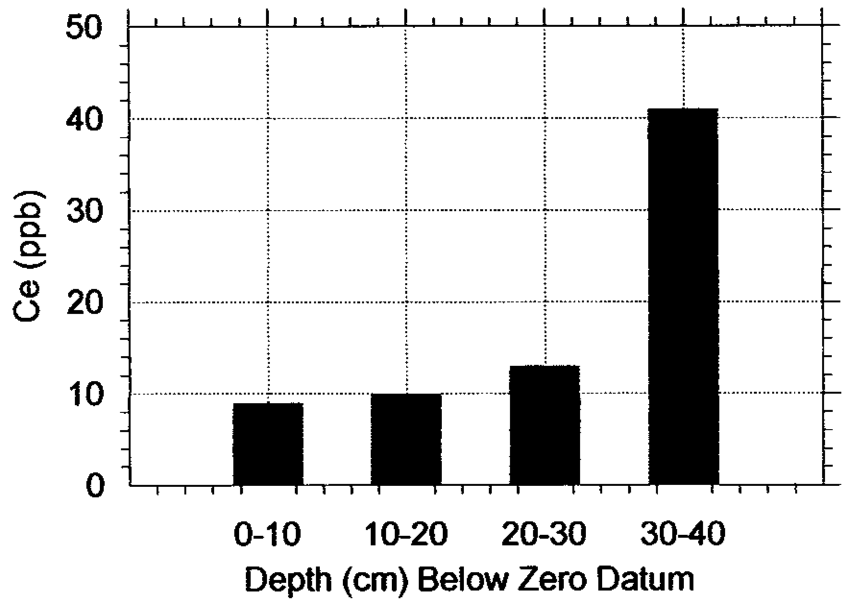
Results Of Mobile Metal Ions Process (MMI-M) Soil Geochemical Surveys on
The Stewart Property (Deltaic Grid), Stewart Area, B.C.

Figure 1. Stewart Deltaic grid vertical profiling, MMI-M, 2006.





Stewart Deltaic Grid Orientation MMI-M 2006



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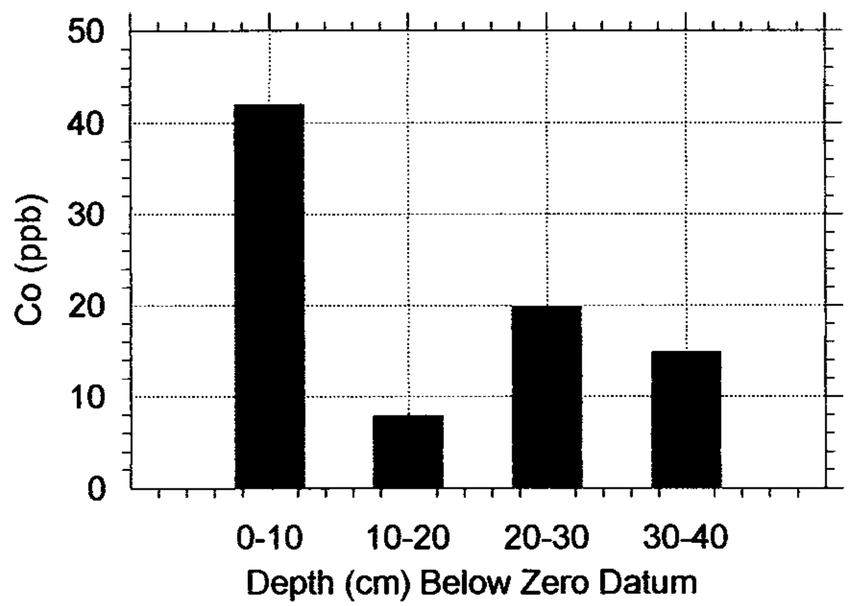

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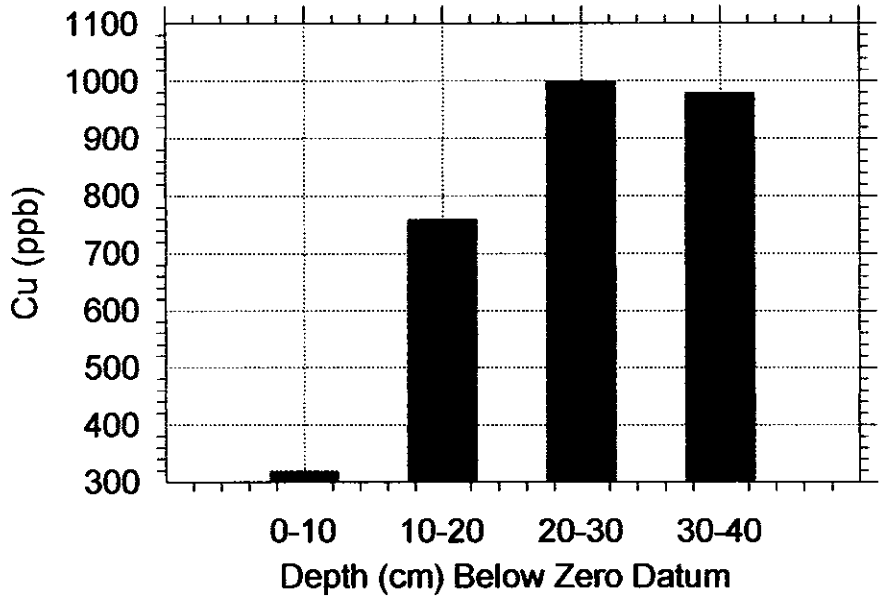
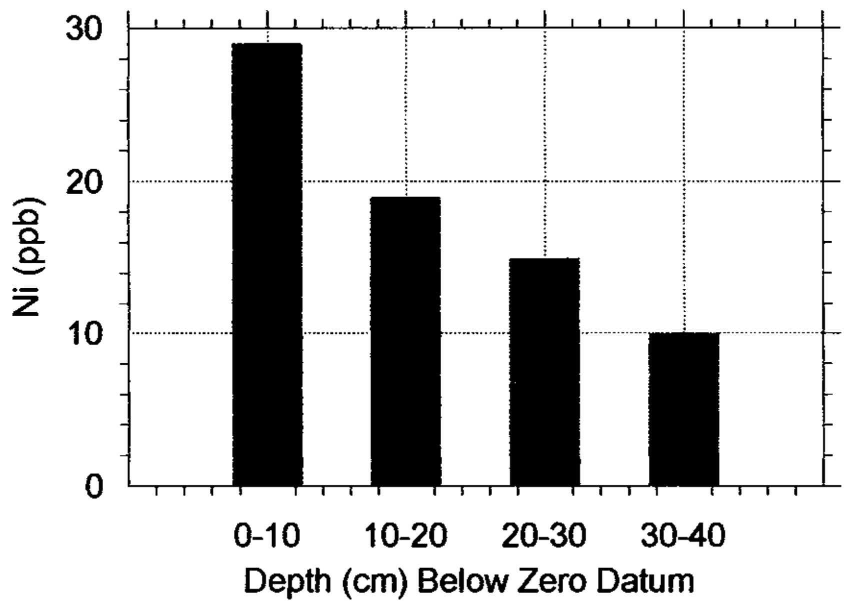
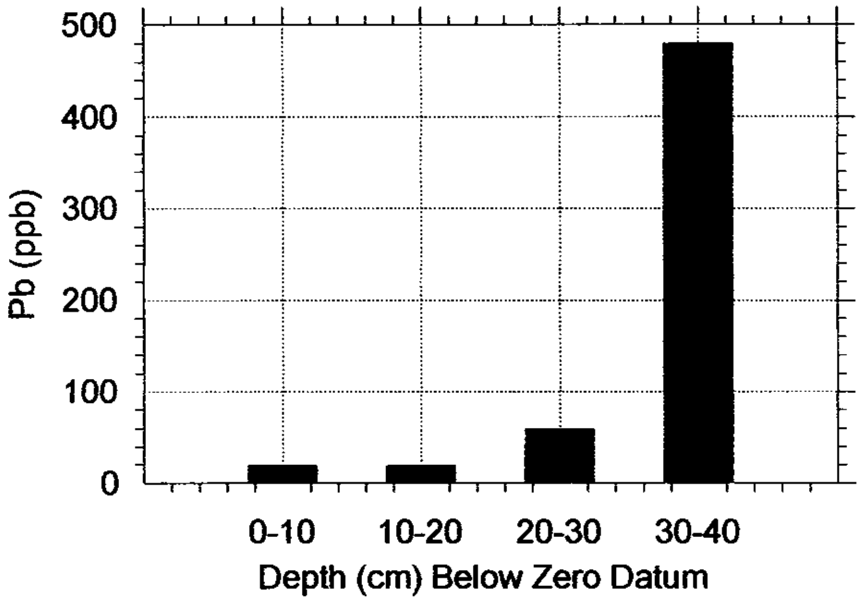


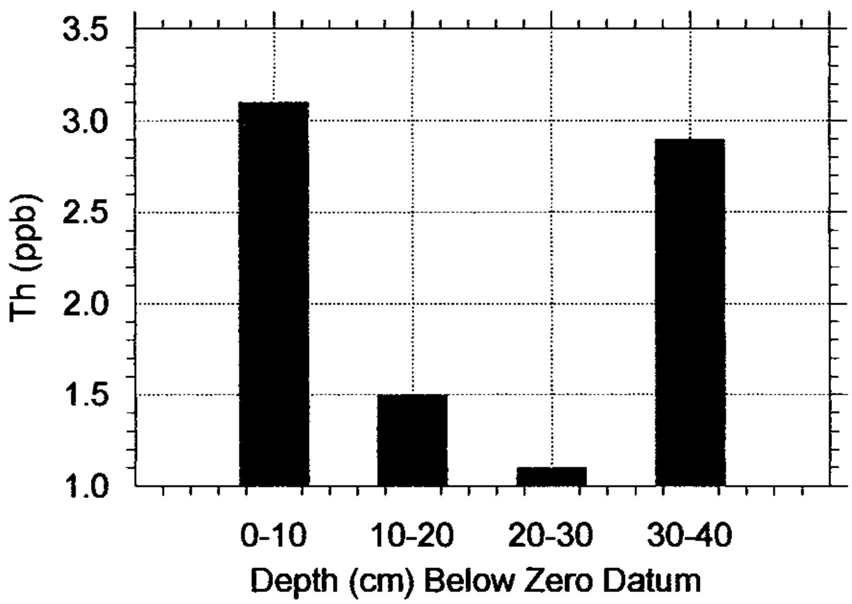
Stewart Deltaic Grid Orientation MMI-M 2006



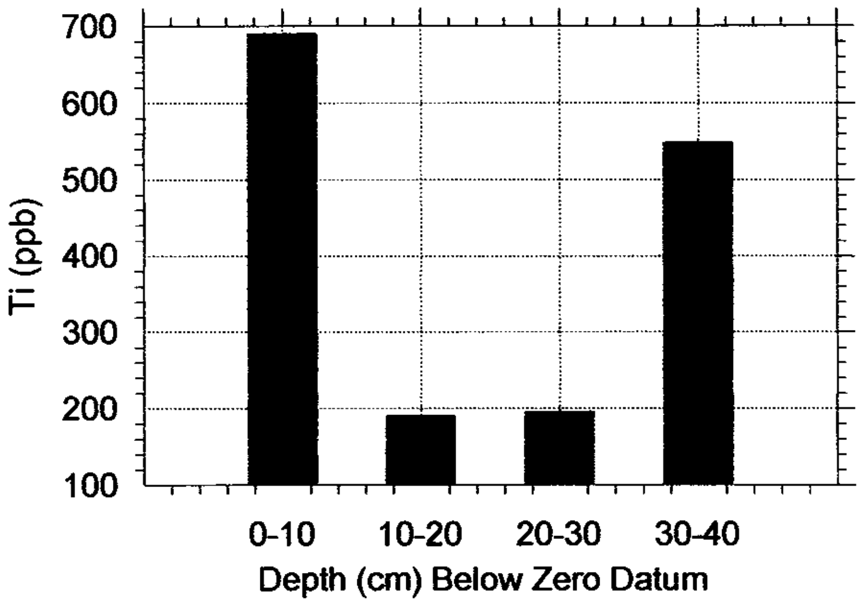
Stewart Deltaic Grid Orientation MMI-M 2006



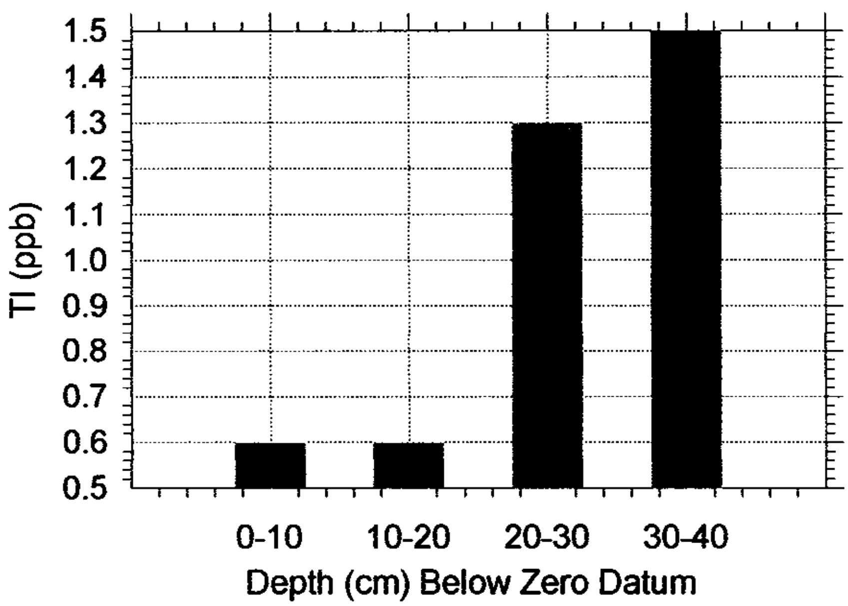
Stewart Deltaic Grid Orientation MMI-M 2006



Stewart Deltaic Grid Orientation MMI-M 2006



Stewart Deltaic Grid Orientation MMI-M 2006



Stewart Deltaic Grid Orientation MMI-M 2006