

Assessment Work Report

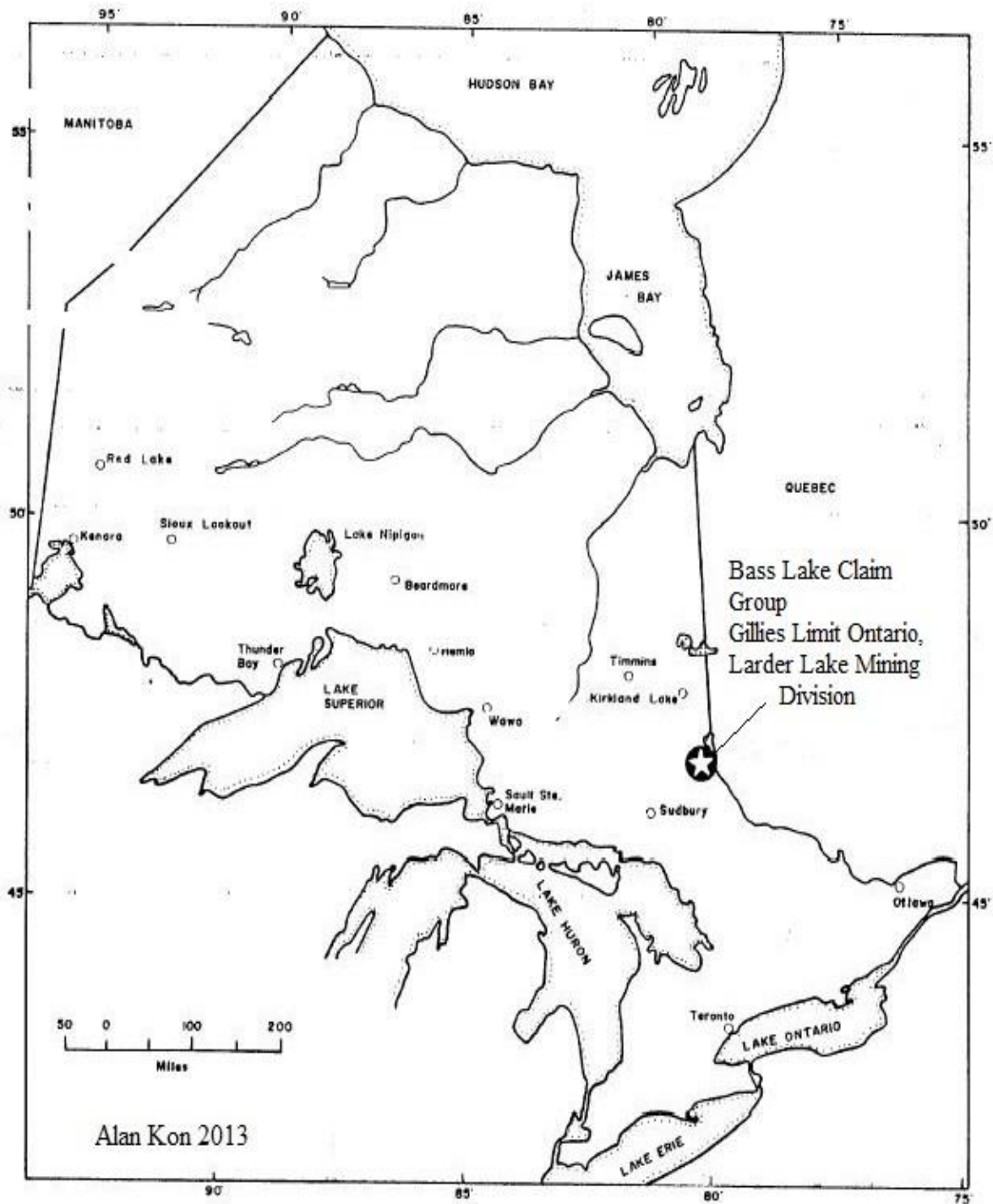
Ground Magnetometer Survey

Bass Lake Claim Group

For Outcrop Explorations Ltd

By Alan Kon

July 23, 2013



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Introduction

A no grid (NG) ground magnetometer survey was performed over three claims of the Bass Lake Claim Group which consists of claims: 1229428, 1229430, 1229432, 1229433, 1240227, 1240228, 1240229, 1242200, 1247794, and 3004219.

Transportation to the claims was by Dodge pickup, ATV and on foot. A Geotronics 816/826A Portable Proton Magnetometer for the Mag survey and the Garmin GPSmap 62stc and Oregon 650 were used for navigation and Mag station recording.

The work was performed by Alan Kon and Steve Novosel was the helper.

This assessment work report has been written by Alan Kon of North Cobalt/Haileybury on the Bass Lake Claim Group situated in Gillies Limit, Larder Lake Mining Division.

The claims are owned by Outcrop Explorations Ltd.

Access & Location

The Bass Lake Claim Group (BLCG) is situated directly south of Bass Lake Ontario, a spring fed lake with a public camp ground and several large cottages/houses surrounding 2/3 of the lake.

The claims can be access by taking the Cobalt turn off to highway 11B east towards Cobalt Ontario then right on Bass Lake Rd. Several bush trails access the claims from this road on the south end of the lake.

Topographical & Vegetation

The topographical setting for the property is much the same as elsewhere in the Cobalt camp. Rolling hills, steep but low cliffs, but less than an average amount of exposed rock. There a few small hills in the area. Besides Bass Lake, water is sparse is the area with only few small ponds and creeks. Swamps and low wet areas are at a minimum as well.

Vegetation is very heavy. Logging was done in the area prior to 1969. Tree types are varied from small to medium sized cedar, birch and willow to medium and large poplar. There are a few very large old white pines. And a protected red pine plantation is also in the area. Undergrowth is thick with dogwood, tag alders, scrub brush and other vegetation.

Wildlife

Even though large wildlife has been observed in the Cobalt area, none was seen during the Mag survey. There was lots of moose and bear poop though...some still steaming.

Only small birds and the occasional crow were seen.

Regional and Property Geology

The BLCG is located within a geological area known as the Cobalt embayment. The rocks that underlie the project area include basement forming Keewatin mafic to felsic metavolcanics and Algoman granitic rocks overlain by relatively flat lying Huronian metasediments. A Nipissing aged diabase unit, in the form of sills and dykes intrudes all of these rock types. Younger diabase dykes locally cross cut all of these rocks. Lamprophyre dykes of various ages intrude the Keewatin and Algoman rocks. The rocks in the project area are strongly influenced by at least four major northwest trending regional scale fault structures. These include the Temiskaming Fault, the Crosswise Lake Fault, the Montreal River Fault and the Latchford Fault. Numerous cross-faults connect these major structures.

Historical Work

The BLCG is in close proximity to the historical silver mining town of Cobalt Ontario.

Teck Mining Ltd and Silverfields Mining Ltd along with several other smaller companies have owned and conducted much of the work in the area prior to Outcrop Explorations Ltd. Only small amounts of silver, cobalt, copper and gold was recovered.

The South Keora shaft first staked in 1913 lies near the eastern side of the claim group. It is the only known deep shaft within the BLCG at approximately 109 feet deep. The shaft is now fenced. An undisclosed amount of ore was recovered from the property.

Outcrop Explorations Ltd has held BLCG since 2000 and Cabo Mining Enterprises held the option on the claims until 2008.

Work Program

Magnetometer Survey

The ground magnetometer survey was completed using a Geotronics-816/826A Portable Proton Magnetometer. This instrument measures the total intensity of the earth's magnetic field in gammas. A Garmin GPS 62stc was used to navigate and a Garmin Oregon 650 recorded the magnetometer's readings. Each station was taken at 10 to 12 meter intervals and the lines were approximately 100 meters apart. No cut grid was in place. The unit was set to 56000 gamma base but the readings only rose above that base number a few times suggesting either solar interference or a possible shift in the magnetic field.

Because of the extremely heavy bush and lack of a good GPS/Satellite lock, obtaining a good straight Mag line was next to impossible. On several occasions the Mag operator had to wait until the GPS re-acquired a good satellite lock.

The main grid (A) consisted of 8 lines. Four fairly short lines between 150 meters to 200 meters in length in the North West and four 1200 meter lines at the centre. Two smaller grids were done after the main grid was finished.

The most interesting low Mag anomaly is on line 8 at the far east side of the grid between two high Mag anomalies. What the low mag is unknown at this time but the high Mag anomalies may be due to higher than normal iron known to occur in the rock in that particular area. There is also an old scrap metal dump nearby and that may contribute to the high Mag readings as well.

Another low Mag anomaly occurs in the far north west part of the grid between lines 1 and 2. The cause of this anomaly is also unknown at this time.

The second grid (B) was done mainly to test for an extension to a low Mag anomaly located by a Mag survey performed by Larder Lake Geophysics in 2012.

(See Outcrop Explorations Ltd No Grid Mag VLF & GPS Survey 2012)

The third grid (C) was done to see if there were any anomalies east of the Newton Shaft, an old mining property on a patent and privately held by an unknown owner. Very few anomalous values were recorded. Only near a few old shallow pits were the readings somewhat lower.

Daily Work Log

• June 24	1242200	GPS MAG points
• June 25	1242200,1229428	Flag Mag lines
• June 26	1242200	Start Mag survey
• June 27	1242200	Mag survey
• June 28	1242200	Mag survey
• June 29	1242200	Mag survey
• July 3	1242200	Mag survey
• July 4	1242200, 1229428	Mag survey
• July 6	1242200, 1229428	Mag survey
• July 8	1242200, 1229428	Mag survey
• July 15	1229428	Mag survey
• July 16	1240227	Mag survey

Recommendations

It is highly recommended that a more extensive Magnetometer program be carried out across the claim group. The Mag lines should be placed closer together i.e. at 50 metre spacing and stations at 10 metres or less.

Other geophysical work should also be considered on the claim group such as EM or IP, especially around the two anomalies mentioned earlier in this report. Ground Penetrating Radar (GPR) may also be employed as a means to determine the depth of the overburden without having to bring in mechanized digging equipment.

Thank you.

Best regards,

A handwritten signature in cursive script that reads "Alan Kon". The ink is dark and the signature is written in a fluid, connected style.

Alan Kon

Appendix I

Magnetometer Readings

L1W	55962	17 T 596218 5245094	307 m	8:53:49 PM
	55979	17 T 596230 5245097	307 m	8:54:40 PM
	55878	17 T 596204 5245099	312 m	27/06/2013 8:51
	55862	17 T 596193 5245091	313 m	27/06/2013 8:52
	55018	17 T 596181 5245090	313 m	27/06/2013 8:55
	55702	17 T 596170 5245095	314 m	27/06/2013 8:58
	55672	17 T 596152 5245100	313 m	27/06/2013 9:00
	55555	17 T 596143 5245102	312 m	27/06/2013 9:02
	55521	17 T 596129 5245096	312 m	27/06/2013 9:04
	55478	17 T 596116 5245094	311 m	27/06/2013 9:06
	55501	17 T 596101 5245091	311 m	27/06/2013 9:08
	55465	17 T 596090 5245092	312 m	27/06/2013 9:09
	55428	17 T 596081 5245095	310 m	27/06/2013 9:11
	55429	17 T 596066 5245093	308 m	27/06/2013 9:13
	55425	17 T 596057 5245087	306 m	27/06/2013 9:15
	55430	17 T 596037 5245090	304 m	27/06/2013 9:17
	55448	17 T 596028 5245095	300 m	9:18:40 PM
	55473	17 T 596014 5245092	298 m	9:19:17 PM
L2W	55461	17 T 596034 5244982	303 m	27/06/2013 9:43
	55492	17 T 596044 5244998	305 m	27/06/2013 9:45
	55473	17 T 596066 5244989	303 m	27/06/2013 9:52
	55438	17 T 596075 5244992	302 m	27/06/2013 9:54
	55437	17 T 596091 5244989	301 m	27/06/2013 9:56
	55437	17 T 596114 5244999	300 m	27/06/2013 9:58
	55420	17 T 596124 5244995	300 m	27/06/2013 10:01
	55438	17 T 596134 5244988	301 m	27/06/2013 10:02
	55467	17 T 596146 5244994	301 m	27/06/2013 10:03
	55494	17 T 596162 5244990	303 m	27/06/2013 10:05
	55468	17 T 596170 5244992	303 m	27/06/2013 10:07
	55488	17 T 596184 5245002	304 m	27/06/2013 10:09
	55471	17 T 596211 5244995	305 m	27/06/2013 10:12
	55139	17 T 596214 5244984	304 m	27/06/2013 10:14
	55527	17 T 596217 5244987	304 m	27/06/2013 10:16
	55476	17 T 596247 5244987	308 m	27/06/2013 10:19
	55453	17 T 596262 5244987	309 m	27/06/2013 10:20

L3W	55757	17 T 596290 5244882	308 m	27/06/2013 11:26
	55604	17 T 596281 5244876	307 m	27/06/2013 11:27
	55580	17 T 596270 5244878	307 m	27/06/2013 11:28
	55557	17 T 596254 5244880	305 m	27/06/2013 11:30
	55544	17 T 596246 5244882	303 m	27/06/2013 11:33
	55499	17 T 596234 5244885	298 m	27/06/2013 11:36
	55579	17 T 596217 5244876	295 m	27/06/2013 11:39
	55522	17 T 596204 5244879	294 m	27/06/2013 11:41
	55546	17 T 596190 5244877	294 m	27/06/2013 11:42
	55570	17 T 596179 5244875	293 m	27/06/2013 11:45
	55577	17 T 596166 5244880	292 m	27/06/2013 11:47
	55524	17 T 596145 5244883	292 m	27/06/2013 11:49
	55523	17 T 596132 5244881	292 m	27/06/2013 11:54
L4W	55532	17 T 596127 5244783	289 m	27/06/2013 12:11
	55525	17 T 596136 5244788	289 m	27/06/2013 12:13
	55523	17 T 596144 5244793	290 m	27/06/2013 12:14
	55536	17 T 596156 5244784	290 m	27/06/2013 12:17
	55539	17 T 596168 5244789	291 m	27/06/2013 12:19
	55546	17 T 596181 5244798	292 m	27/06/2013 12:20
	55532	17 T 596195 5244785	292 m	27/06/2013 12:23
	55501	17 T 596211 5244794	293 m	27/06/2013 12:25
	55546	17 T 596218 5244783	294 m	27/06/2013 12:28
	55482	17 T 596232 5244791	297 m	27/06/2013 12:30
	55516	17 T 596248 5244788	302 m	27/06/2013 12:33
	55538	17 T 596256 5244795	308 m	27/06/2013 12:39
	55535	17 T 596271 5244789	312 m	27/06/2013 12:41
	55587	17 T 596288 5244801	316 m	27/06/2013 12:44
	55592	17 T 596292 5244792	316 m	27/06/2013 12:45
	55587	17 T 596309 5244788	316 m	27/06/2013 12:47
	55570	17 T 596321 5244786	315 m	27/06/2013 12:48

L5 MID	55624	17 T 596366 5244699	314 m	04/07/2013 13:55
	55619	17 T 596376 5244697	315 m	04/07/2013 13:58
	55620	17 T 596390 5244704	316 m	04/07/2013 13:59
	55604	17 T 596405 5244697	315 m	04/07/2013 14:01
	55641	17 T 596421 5244698	316 m	04/07/2013 14:03
	55651	17 T 596427 5244702	316 m	04/07/2013 14:05
	55652	17 T 596443 5244700	318 m	04/07/2013 14:06
	55643	17 T 596452 5244704	319 m	04/07/2013 14:07
	55648	17 T 596465 5244697	320 m	04/07/2013 14:08
	55658	17 T 596482 5244697	322 m	04/07/2013 14:10
	55667	17 T 596491 5244700	321 m	04/07/2013 14:11
	55692	17 T 596505 5244704	322 m	04/07/2013 14:13
	55690	17 T 596519 5244702	322 m	04/07/2013 14:15
	55718	17 T 596532 5244702	323 m	04/07/2013 14:16
	55729	17 T 596542 5244703	323 m	04/07/2013 14:17
	55718	17 T 596555 5244705	322 m	04/07/2013 14:19
	55719	17 T 596566 5244708	321 m	04/07/2013 14:20
	55716	17 T 596576 5244705	321 m	04/07/2013 14:22
	55708	17 T 596592 5244704	319 m	04/07/2013 14:23
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	55706	17 T 596612 5244709	317 m	04/07/2013 14:25
	55694	17 T 596623 5244701	316 m	04/07/2013 14:27
	55715	17 T 596635 5244698	317 m	04/07/2013 14:28
	55727	17 T 596648 5244706	315 m	04/07/2013 14:32
	55753	17 T 596659 5244713	315 m	04/07/2013 14:34

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	55561	17 T 596336 5244697	309 m	28/06/2013 9:27
	55561	17 T 596321 5244690	310 m	28/06/2013 9:29
	55560	17 T 596302 5244695	310 m	28/06/2013 9:33
	55511	17 T 596288 5244707	309 m	28/06/2013 9:35
	55525	17 T 596279 5244697	307 m	28/06/2013 9:38
	55542	17 T 596264 5244697	306 m	28/06/2013 9:41
	55528	17 T 596253 5244707	308 m	28/06/2013 9:49
	55522	17 T 596237 5244700	306 m	28/06/2013 9:53
	55505	17 T 596229 5244692	305 m	28/06/2013 9:56
	55540	17 T 596215 5244693	302 m	28/06/2013 9:58
	55515	17 T 596201 5244698	301 m	28/06/2013 10:01
	55504	17 T 596185 5244697	301 m	28/06/2013 10:03
	55507	17 T 596170 5244700	301 m	28/06/2013 10:07
	55496	17 T 596158 5244698	303 m	28/06/2013 10:10
	55513	17 T 596152 5244696	303 m	28/06/2013 10:12
	55526	17 T 596142 5244697	307 m	28/06/2013 10:15
	55487	17 T 596124 5244707	309 m	28/06/2013 10:18
	55529	17 T 596126 5244698	310 m	28/06/2013 10:22
	55547	17 T 596115 5244689	313 m	28/06/2013 10:26
	55521	17 T 596098 5244686	313 m	28/06/2013 10:30

L5 E	55471	17 T 597289 5244717	327 m	08/07/2013 10:34
	55410	17 T 597276 5244710	321 m	08/07/2013 10:39
	55442	17 T 597254 5244717	320 m	08/07/2013 10:41
	55443	17 T 597253 5244712	320 m	08/07/2013 10:46
	55445	17 T 597237 5244717	319 m	08/07/2013 10:48
	55460	17 T 597223 5244712	320 m	08/07/2013 10:49
	55476	17 T 597200 5244710	319 m	08/07/2013 10:51
	55464	17 T 597187 5244715	318 m	08/07/2013 10:53
	55442	17 T 597173 5244716	317 m	08/07/2013 10:54
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	55515	17 T 596943 5244709	315 m	08/07/2013 12:01
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	55693	17 T 596867 5244710	318 m	08/07/2013 12:07
	55739	17 T 596856 5244705	319 m	08/07/2013 12:08
	55774	17 T 596844 5244709	319 m	08/07/2013 12:11
	55813	17 T 596826 5244708	318 m	08/07/2013 12:12
	55808	17 T 596821 5244704	318 m	08/07/2013 12:14
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	55755	17 T 596672 5244698	318 m	08/07/2013 12:49
	55719	17 T 596664 5244699	318 m	08/07/2013 12:51

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	55520		17 T 596276 5244606	318 m	28/06/2013 11:35
	55545		17 T 596301 5244602	318 m	28/06/2013 11:38
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	55579		17 T 596355 5244611	316 m	28/06/2013 11:55
	55587		17 T 596369 5244605	315 m	28/06/2013 11:57
	55598		17 T 596382 5244602	315 m	28/06/2013 11:59
	55606		17 T 596384 5244601	315 m	28/06/2013 11:59

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	55507	17 T 597282 5244622	318 m	08/07/2013 10:11
	55602	17 T 596600 5244603	317 m	08/07/2013 12:56
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	55673	17 T 596727 5244605	318 m	08/07/2013 13:20
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	55673	17 T 596753 5244601	319 m	08/07/2013 13:24
	55666	17 T 596763 5244597	318 m	08/07/2013 13:25
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	55731	17 T 596839 5244608	319 m	08/07/2013 13:34
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	55964	17 T 596917 5244621	320 m	08/07/2013 13:42
	55991	17 T 596929 5244622	320 m	08/07/2013 13:43
	56009	17 T 596938 5244625	319 m	08/07/2013 13:44
	55965	17 T 596955 5244615	319 m	08/07/2013 13:47
	55938	17 T 596967 5244622	318 m	08/07/2013 13:48
	55826	17 T 596979 5244619	318 m	08/07/2013 13:49
	55723	17 T 596989 5244615	317 m	08/07/2013 13:50
	55645	17 T 597004 5244619	317 m	08/07/2013 13:51
	55601	17 T 597012 5244615	318 m	08/07/2013 13:52
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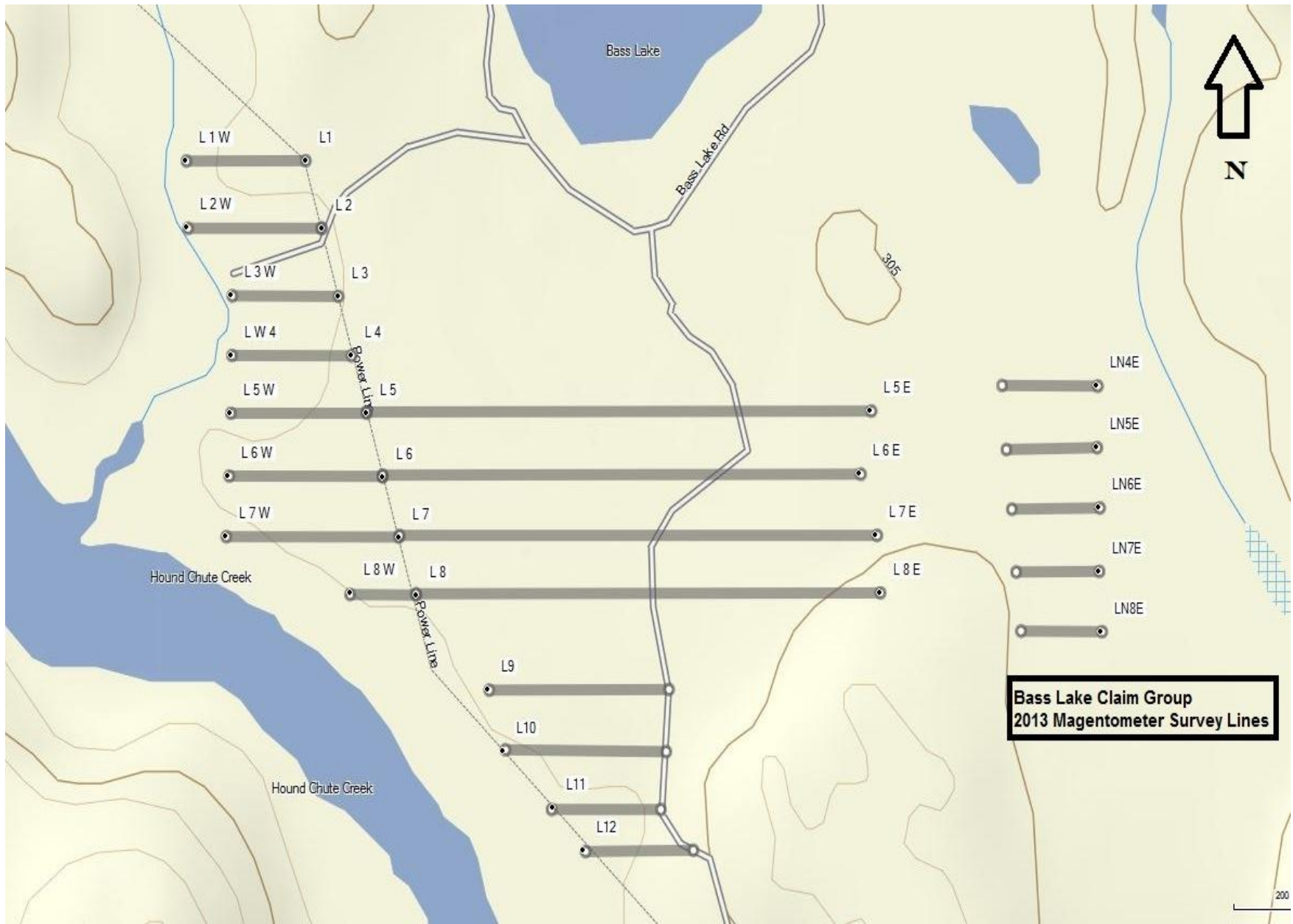
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	55550	17 T 596318 5244496	309 m	29/06/2013 9:49
	55553	17 T 596302 5244494	310 m	29/06/2013 9:53
	55548	17 T 596291 5244495	310 m	29/06/2013 9:55
	55542	17 T 596279 5244499	311 m	29/06/2013 10:03
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	55534	17 T 596243 5244504	311 m	29/06/2013 10:09
	55547	17 T 596223 5244505	312 m	29/06/2013 10:13
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	55539	17 T 596207 5244509	313 m	29/06/2013 10:15
	55537	17 T 596193 5244513	313 m	29/06/2013 10:17
	55537	17 T 596179 5244508	313 m	29/06/2013 10:19
	55539	17 T 596162 5244513	313 m	29/06/2013 10:23
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	55627	17 T 596504 5244503	315 m	03/07/2013 11:51
	55642	17 T 596517 5244503	315 m	03/07/2013 11:53
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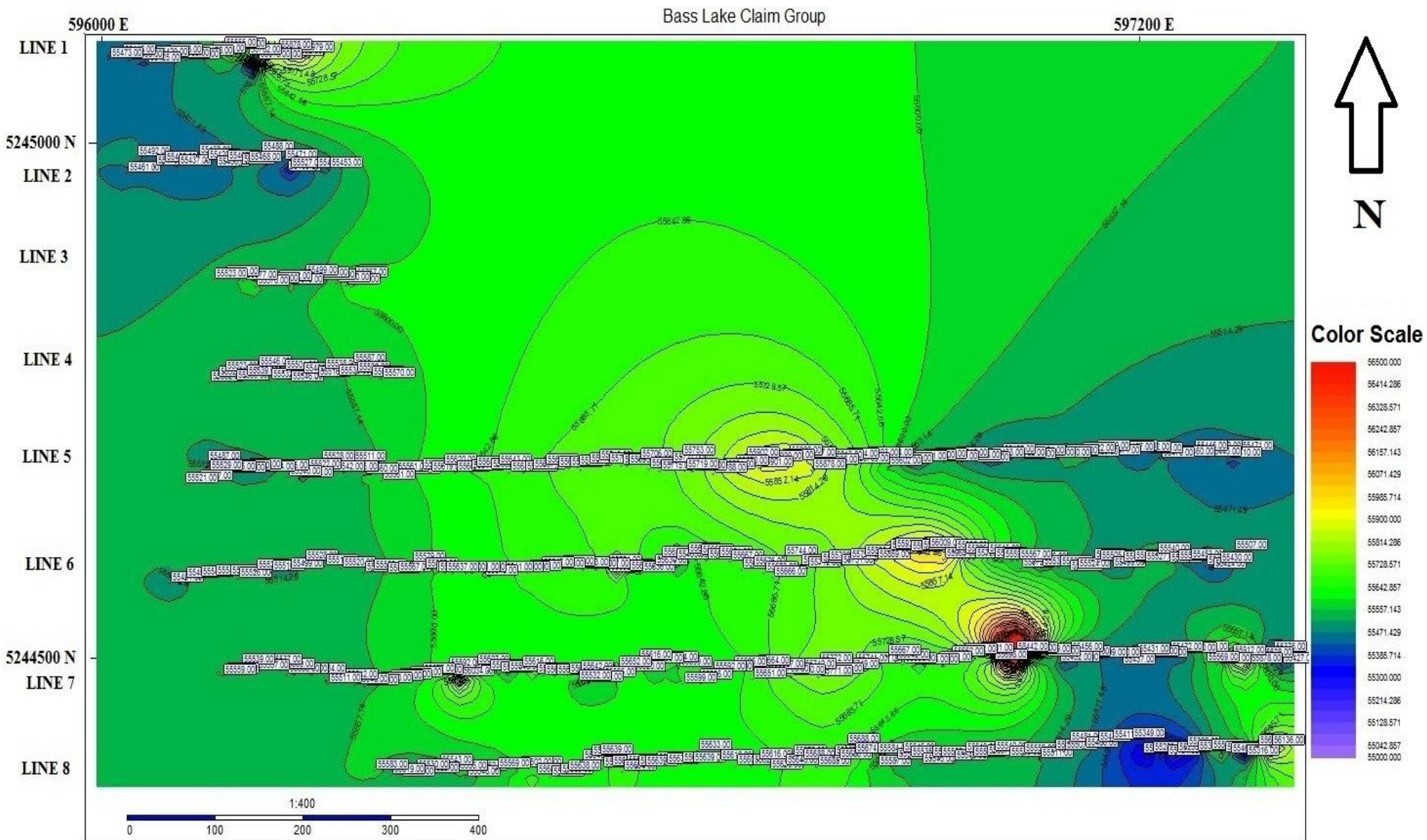
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	55607	17 T 596702 5244507	319 m	04/07/2013 11:13
	55592	17 T 596694 5244507	319 m	04/07/2013 11:14
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	55563	17 T 596624 5244515	321 m	04/07/2013 11:25
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	55566	17 T 596570 5244501	324 m	04/07/2013 11:47
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	55470	17 T 597139 5244520	313 m	06/07/2013 11:35
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	55471	17 T 597105 5244521	314 m	06/07/2013 11:39
	55456	17 T 597097 5244526	313 m	06/07/2013 11:40
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	55688	17 T 596796 5244423	322 m	04/07/2013 10:28
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	55686	17 T 596836 5244423	323 m	04/07/2013 10:31
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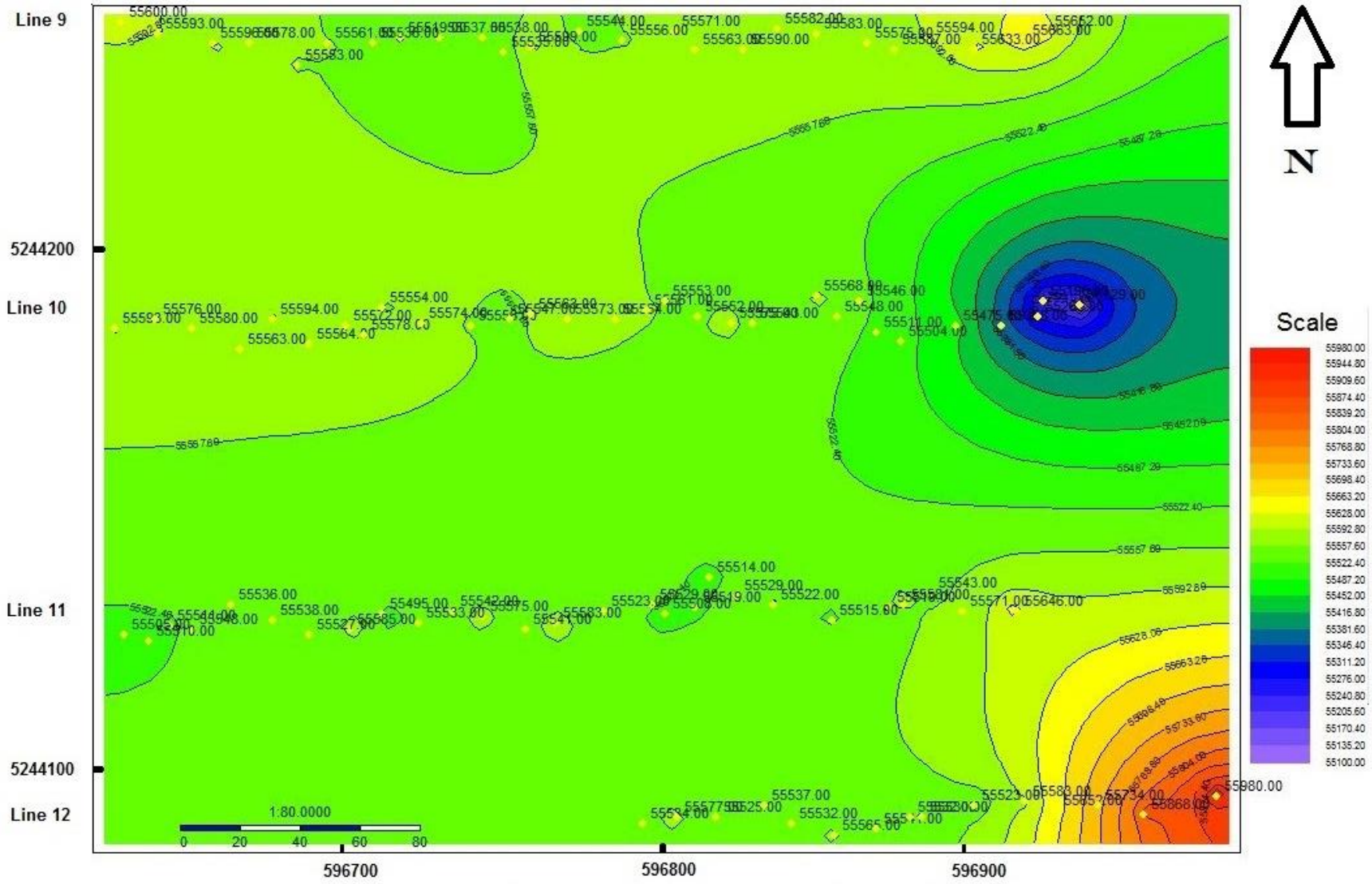
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	55543	17 T 596987 5244425	312 m	06/07/2013 10:12
	55537	17 T 597003 5244426	311 m	06/07/2013 10:14
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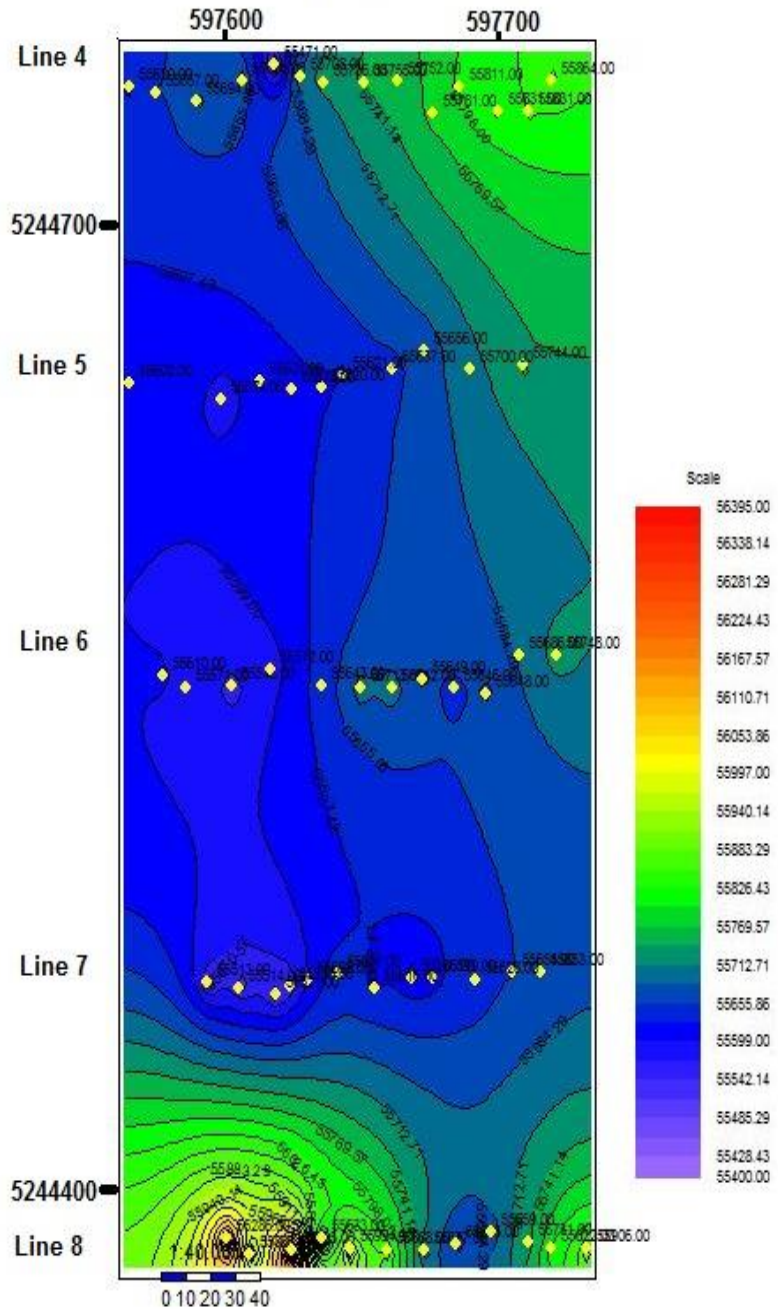
2013 Magnetometer Survey - Map Grid A

Bass Lake Claim Group

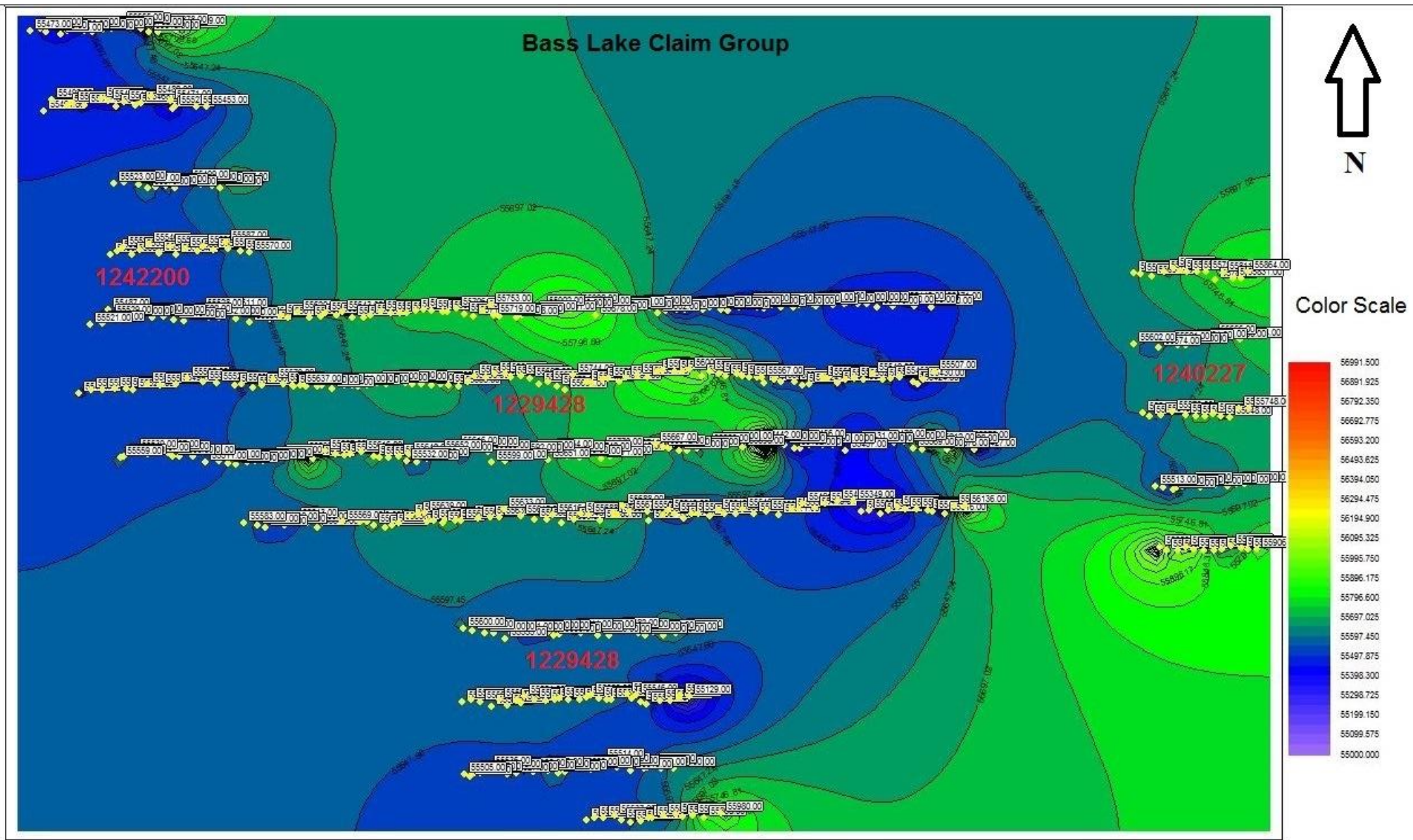


● 2013 Magnetometer Survey - Map Grid B

Bass Lake Claim Group



2013 Magnetometer Survey - Map Grid C



2013 Magnetometer Survey Map Grids A, B, & C

Appendix II

Equipment Descriptions

G-816/826

Portable Proton Magnetometer

Sensor: High signal, noise cancelling, mounted on staff or attached to backpack.

Size: Console: 3.5 x 7 x 11 inches

(9 x 18 x 28 cm)

Sensor: 3.5 x 5 inches (9 x 13 cm)

Staff: 1 inch diameter x 8 ft. length

(3 cm x 2.5 m)

Weight: ' Lbs. Kgs.

Console (w/batteries): 5.5 2.5

Sensor and signal cable: 4 1.8

Aluminum staff: ,J_ .9

11.5 TT

1. G-816/826 Magnetometer console | each
2. Sensor | each
3. Collapsible sensor staff | each
4. Signal cable-staff (long) | each
5. Signal cable-backpack (short) | each
6. Adjustable carrying harness ' | each
7. Batteries: Type D Premium Carbon Zinc with 24 each cardboard jacket (12 each - within console)
8. Applications Manual for Portable Magnetometers | each
9. Operator's Manual | each
10. Storage/Carrying Case | each

Operating

1.3 SPECIFICATIONS

Sensitivity:

Rang*: ' - t Tuner; *3 Gradient tolerance: •T Sampling 'Rate: Output::

Power Requirements: D Cell Batteries

Temperature Range: -10c to 30c

Accuracy (Total Field): ^ | gamma throughout range. 20,000 to 90,000 gammas (worldwide).

Multiposition switch with signal amplitude indicator light on display.

*Exceeds 800 gammas/feet. Manual push button, one reading each six seconds.

Five digit numeric display with readout directly in gammas.

Twelve 1.5 volt "D" cell universally available flashlight-type batteries;

Charge state or replacement signified -by flashing indicator light on display.

Console and sensor: -40* to +55* C.

Battery pack: 0* to +50* C (limited use to -15* C; lower temperature battery belt operation - optional).

^ I gamma through 0" td +50" C temperature range.

Garmin Oregon 650

Physical & Performance:

Unit dimensions, WxHxD 2.4" x 4.5" x 1.3" (6.1 x 11.4 x 3.3 cm)

Display size, WxH 1.5"W x 2.5"H (3.8 x 6.3 cm); 3" diag (7.6 cm)

Display resolution, WxH 240 x 400 pixels

Display type transfective color TFT touchscreen

Weight 7.4 oz (209.8 g) with batteries

Battery rechargeable NiMH pack (included) or 2 AA batteries (not included); NiMH or Lithium recommended

Battery life 16 hours

Waterproof Yes (IPX7)

Floats No

High-sensitivity receiver Yes

Interface high-speed USB and NMEA 0183 compatible

Maps & Memory:

Basemap Yes

Preloaded maps no

Ability to add maps Yes

Built-in memory 3.5 GB

Accepts data cards microSD™ card (not included)

Waypoints/favorites/locations 4000

Routes 200 Track log 10,000 points, 200 saved tracks

Features & Benefits:

Automatic routing (turn by turn routing on roads) Yes (with optional mapping for detailed roads)

Electronic compass Yes (tilt-compensated 3-axis)

Touchscreen Yes

Barometric altimeter Yes

Camera yes (8 megapixel with autofocus; digital zoom)

Geocaching-friendly Yes (Paperless)

Custom maps compatible Yes

Photo navigation (navigate to geotagged photos) Yes
Hunt/fish calendar Yes
Sun and moon information Yes
Tide tables productTemplate.tab.specs.picklist.yes_with_optional_bluechart
Area calculation Yes
Custom POIs (ability to add additional points of interest) Yes
Unit-to-unit transfer (shares data wirelessly with similar units) Yes (plus images and custom maps)
Picture viewer Yes
Garmin Connect™ compatible (online community where you analyze, categorize and share data) Yes

Garmin GPSMap 62stc

Physical & Performance:

Unit dimensions, WxHxD 2.4" x 6.3" x 1.4" (6.1 x 16.0 x 3.6 cm)
Display size, WxH 1.43" x 2.15" (3.6 x 5.5 cm); 2.6" diag (6.6 cm)
Display resolution, WxH 160 x 240 pixels
Display type transfective, 65-K color TFT
Weight 9.2 oz (260.1 g) with batteries
Battery 2 AA batteries (not included); NiMH or Lithium recommended
Battery life 20 hours
Waterproof Yes (IPX7)
Floats No
High-sensitivity receiver Yes
Interface high-speed USB and NMEA 0183 compatible

Maps & Memory:

Basemap Yes
Preloaded maps yes (topographic)
Ability to add maps Yes
Built-in memory 3.5GB
Accepts data cards microSD™ card (not included)
Waypoints/favorites/locations 2000
Routes 200
Track log 10,000 points, 200 saved tracks

Features & Benefits:

Automatic routing (turn by turn routing on roads) Yes (with optional mapping for detailed roads)
Electronic compass Yes (tilt-compensated 3-axis)
Touchscreen No
Barometric altimeter Yes

Camera no
Geocaching-friendly Yes (Paperless)
Custom maps compatible Yes
Photo navigation (navigate to geotagged photos) Yes
Hunt/fish calendar Yes
Sun and moon information Yes
Tide tables productTemplate.tab.specs.picklist.yes_with_optional_bluechart
Area calculation Yes
Custom POIs (ability to add additional points of interest) Yes
Unit-to-unit transfer (shares data wirelessly with similar units) Yes
Picture viewer Yes
Garmin Connect™ compatible (online community where you analyze, categorize and share data) Yes

