

MWH
Geophysics
Ltd.



June 15, 1987

824369

Alex Davidson
Minnova Inc.
4th Floor, 311 Water St.
Vancouver, B.C.
V6B 1B8

Dear Mr. Davidson:

Enclosed please find a copy of the Bouguer Gravity for line 98+50 and 101+00 on your Rea Gold property.

Although the surveyed lines are short to gain a regional picture and an important station on line 9850 (625N) was missed (lack of elevation control) it is apparent that there is approximately 1 mgal. step in the gravity response when traversing from the footwall to the orebody. This is about 2.5 times the standard anomaly signature gravity is capable of delineating in mining environs.

Also note how rough the data is over the orebody compared to line 101+00. This in itself is probably indicative of large erratic density contrasts.

I have enclosed an attempt at a residual anomaly map using line 101+00 as regional data. It's by no means an accurate quantitative effort but it has what the anomaly would look like in a "flat playing field" environment.

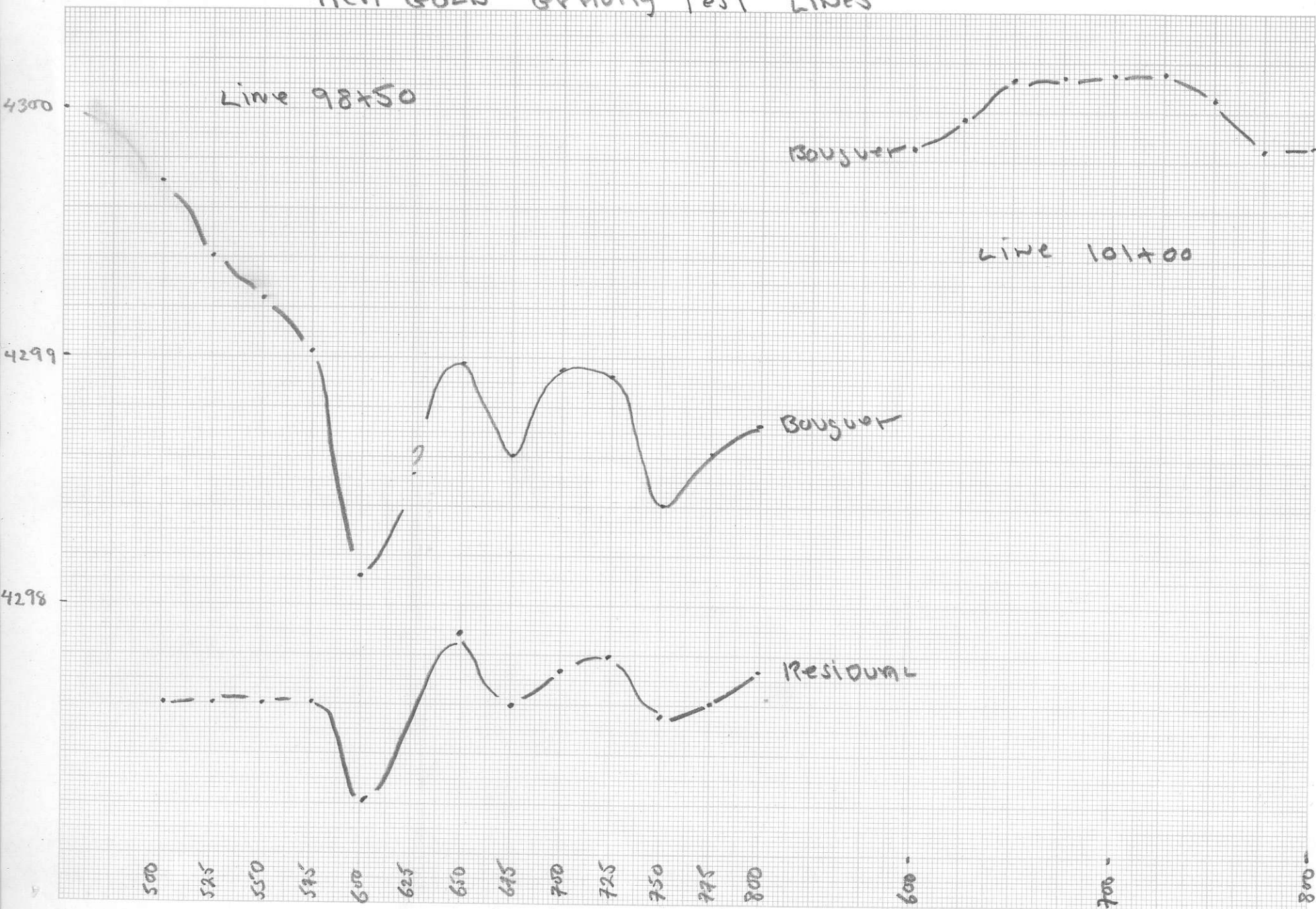
I believe that gravity can be utilized to follow up E.M. anomaly in this environment in an attempt to delineate similar targets.

Yours truly,

Alan Wynne

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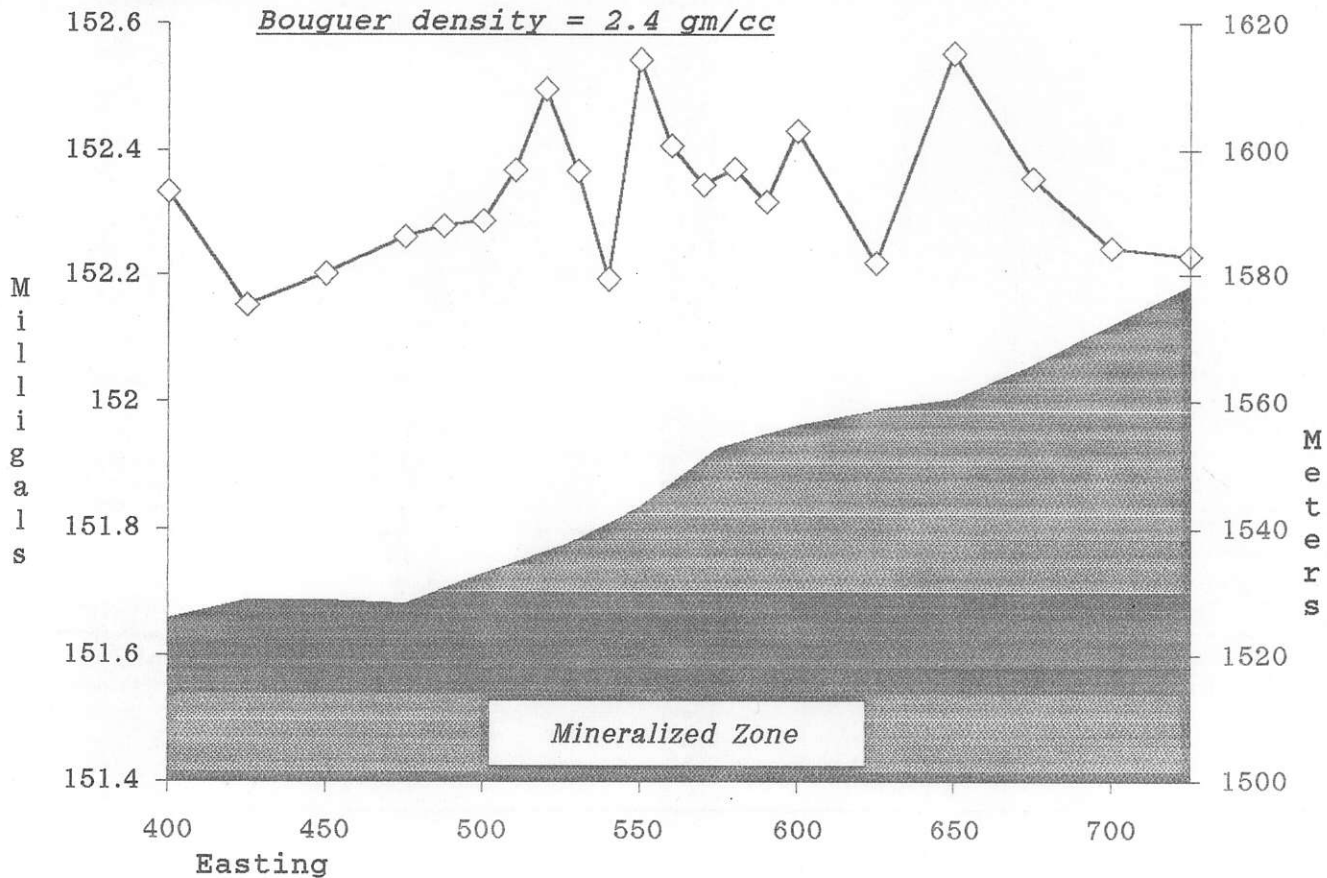
REA GOLD GRAVITY TEST LINES



L 98 N

◇ Bouguer Gravity ■ Topography

Bouguer density = 2.4 gm/cc



GRAVITY TEST SURVEY OVER MINNOVA LINE 98+00 NORTH

Northing	Easting	C.B.	Elev	Rdg	Drift	Factor	Lat	Terr
9800	400	152.33	1525.78	21.17	0.01	1.02751	0.01	0.40
9800	425	152.15	1528.65	20.62	0.02	1.02751	0.01	0.19
9800	450	152.20	1528.64	20.62	0.03	1.02751	0.01	0.23
9800	475	152.26	1528.02	20.71	0.03	1.02751	0.01	0.32
9800	488	152.28	1529.27	20.40	0.04	1.02751	0.01	0.39
9800	500	152.29	1532.62	19.65	0.05	1.02751	0.01	0.46
9800	510	152.37	1534.20	19.32	0.05	1.02751	0.00	0.56
9800	520	152.50	1536.17	18.85	0.05	1.02751	0.00	0.76
9800	530	152.37	1539.34	18.16	0.04	1.02751	0.00	0.68
9800	540	152.19	1543.42	17.29	0.04	1.02751	0.00	0.56
9800	550	152.54	1543.40	17.27	0.04	1.02751	0.00	0.94
9800	560	152.41	1550.02	15.88	0.04	1.02751	0.00	0.85
9800	570	152.34	1552.37	15.43	0.04	1.02751	0.00	0.77
9800	580	152.37	1552.96	15.37	0.03	1.02751	0.00	0.74
9800	590	152.32	1554.59	14.99	0.03	1.02751	0.00	0.74
9800	600	152.43	1556.19	14.67	0.03	1.02751	-0.01	0.85
9800	625	152.22	1558.69	14.21	0.03	1.02751	-0.01	0.59
9800	650	152.55	1560.28	13.84	0.03	1.02751	-0.01	0.98
9800	675	152.35	1565.56	12.77	0.02	1.02751	-0.01	0.79
9800	700	152.24	1571.94	11.56	0.02	1.02751	-0.01	0.60
9800	725	152.23	1578.35	10.27	0.02	1.02751	-0.01	0.58

Gravity instrument: LaCoste & Romberg meter # 618

Leveling instrument: Nikon automatic level AE5W

Constants;	Name;	Value;	Units:
Elev Datum	ED	900	meters
Free Air	FA	0.3085	mgal/m
Slab Density	RO	2.4	gm/cc
Bouguer Corr	S	-0.04188	RO*mgal/m
Bouguer Corr	BC	-0.10051	mgal/m
Combined Cor	B	0.207988	mgal/m
Base Latitude	L	51.1472	Degrees
Latitude Corr	LC	0.797112	mgal/km
Latitude Corr	LL	0.000797	mgal/m
Terrain Densi	RHO	2.4	gm/cc
Gamma	G	0.002	
Sector size	TA	1.570796	radians
A-Zone-Outer	AR	6.56	feet
B-Zone-Outer	BR	54.6	feet
C-Zone-Outer	CR	175	feet
D-Zone-Outer	DR	558	feet