

673-8-5-54

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GRAVITY SURVEY
of the
BRACKETT LAKE AREA
of
the Northwest Territories

Report by

B.M. Tiger

October 1972

PROJECT NO. 673-8-5-72-9

AQUITAINE COMPANY OF CANADA LTD.

GRAVITY SURVEY
OF THE
BRACKETT LAKE AREA
of
the Northwest Territories
by

Western Geophysical Company of Canada Ltd.

for

AQUITAINE COMPANY OF CANADA LTD.

Report by

B.M. TIGER

October 1972

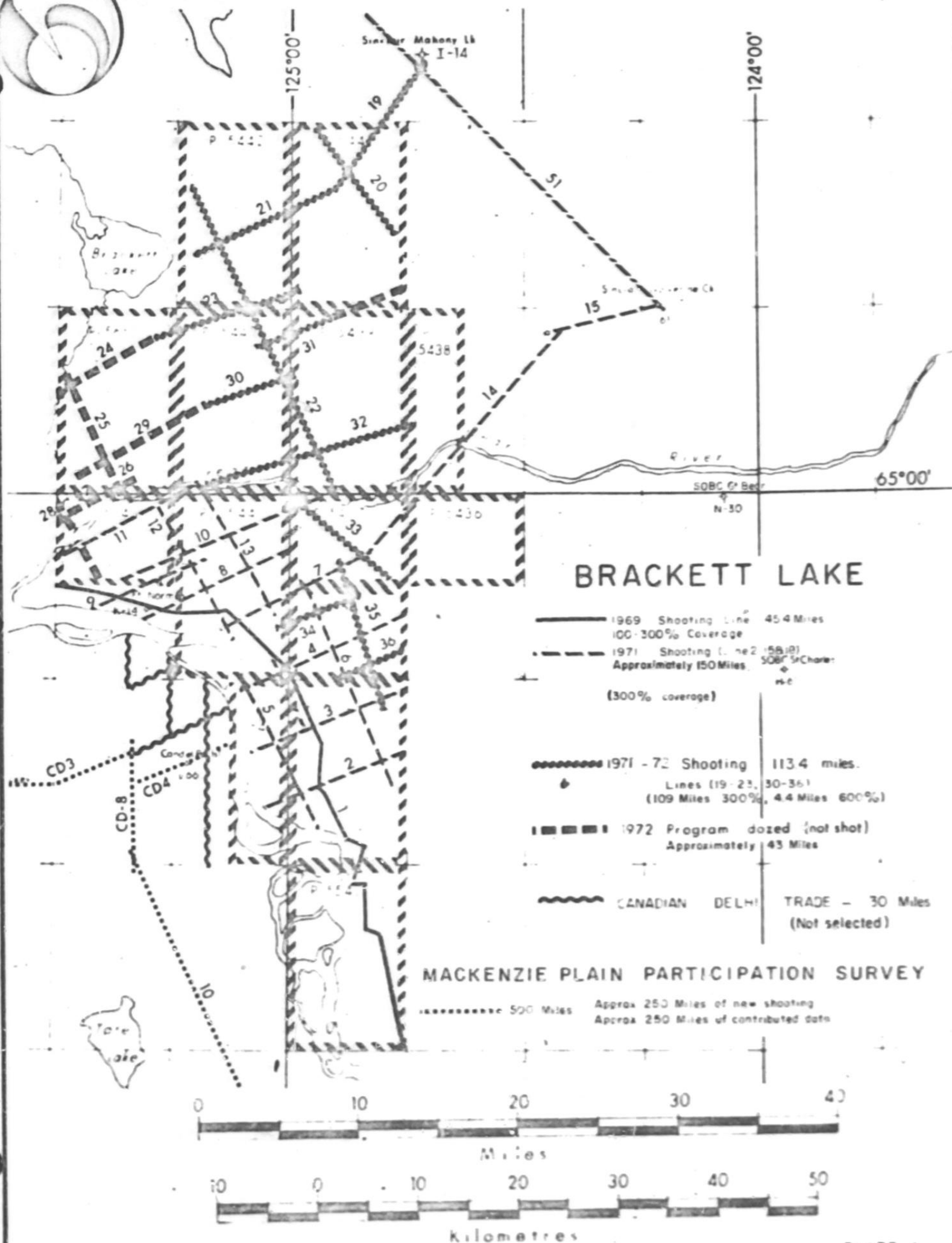


TABLE OF CONTENTS

INDEX MAP -----	PLATE I
GENERAL INTRODUCTION -----	1
SURVEY AND FIELD PROCEDURE -----	1
DATA REDUCTION AND COMPILATION -----	2

ENCLOSURES:

1. Location and ground elevation maps of each station
- scale 1" = 1 mile.
- 2A. Bouguer Gravity value map. Scale 1" = 1 mile.
- 2B. Gravity contour map (Bouguer values). Scale 1" = 1 mile.
3. Computer listing of Bouguer values.



GENERAL

The survey was carried out during February and March of 1972 in conjunction with a seismic survey in the same area.* The profiles surveyed were on lines cut for the seismic program. The field operations were carried out by Western Geophysical Company of Canada Ltd., data reduction and calculations by Aquitaine in their Calgary's office.

TOPOGRAPHIC

The same lines cut and surveyed by the seismic reflection crew were used by the gravity team. Gravity stations were located at surveyed shotpoint locations i.e., four stations per mile or every 1320 feet. Inner circle elevation were recorded where necessary to apply terrain corrections.

GRAVITY

All gravity runs were made in a less than 2.5 hour base to repeat base interval. Very good repeatability and stability of the instrument have been observed. A total of 803 stations were surveyed including 30 base stations. The primary base was chosen at the camp landing strip. Bases were set along lines by making two overlapping base runs from an established base.

DATA

Meter	:	Lacoste Romberg	Model G 217
Meter Constant:		1.0556000	
Base Value	:	527.80 mgals	at station 526 on line 22.
Datum for Bouguer correction:		Sea level	
Density factor:		2.3; 2.4; 2.5; 2.6; 2.7	

* Seismic Reflection Survey Report - Brackett Lake (N.W.T.)
Project Number 673-6-5-72-1

DATA REDUCTION AND COMPILATION

- Latitude and longitude were digitized from 2" = 1 mile shotpoint location maps.

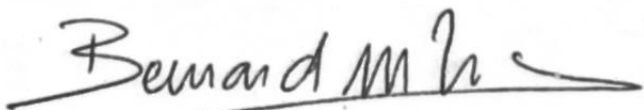
- Elevations were posted on same maps and input to computer program for Bouguer value calculation.

Results are shown on the enclosed listing. (encl. No. 3) Bouguer values were obtained for five different density factor. Contours of the Bouguer values are shown on enclosure 2. A density factor of 2.4 was chosen in plotting the Bouguer.

In conclusion, the gravity survey progressed quite well. The results are believed to be accurate, probably within ± 0.03 milligal. Part of this consistency must be attributed to the excellent low drift rate of the meter and the maximum time between base readings of less than 2.5 hours.

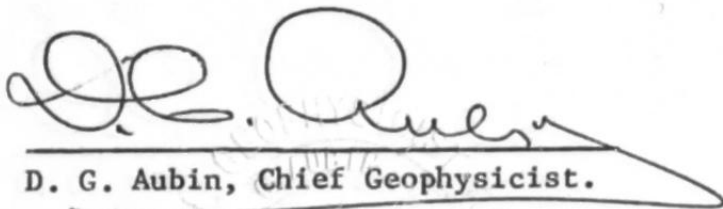
RESPECTFULLY SUBMITTED,

AQUITAINE COMPANY OF CANADA LTD.

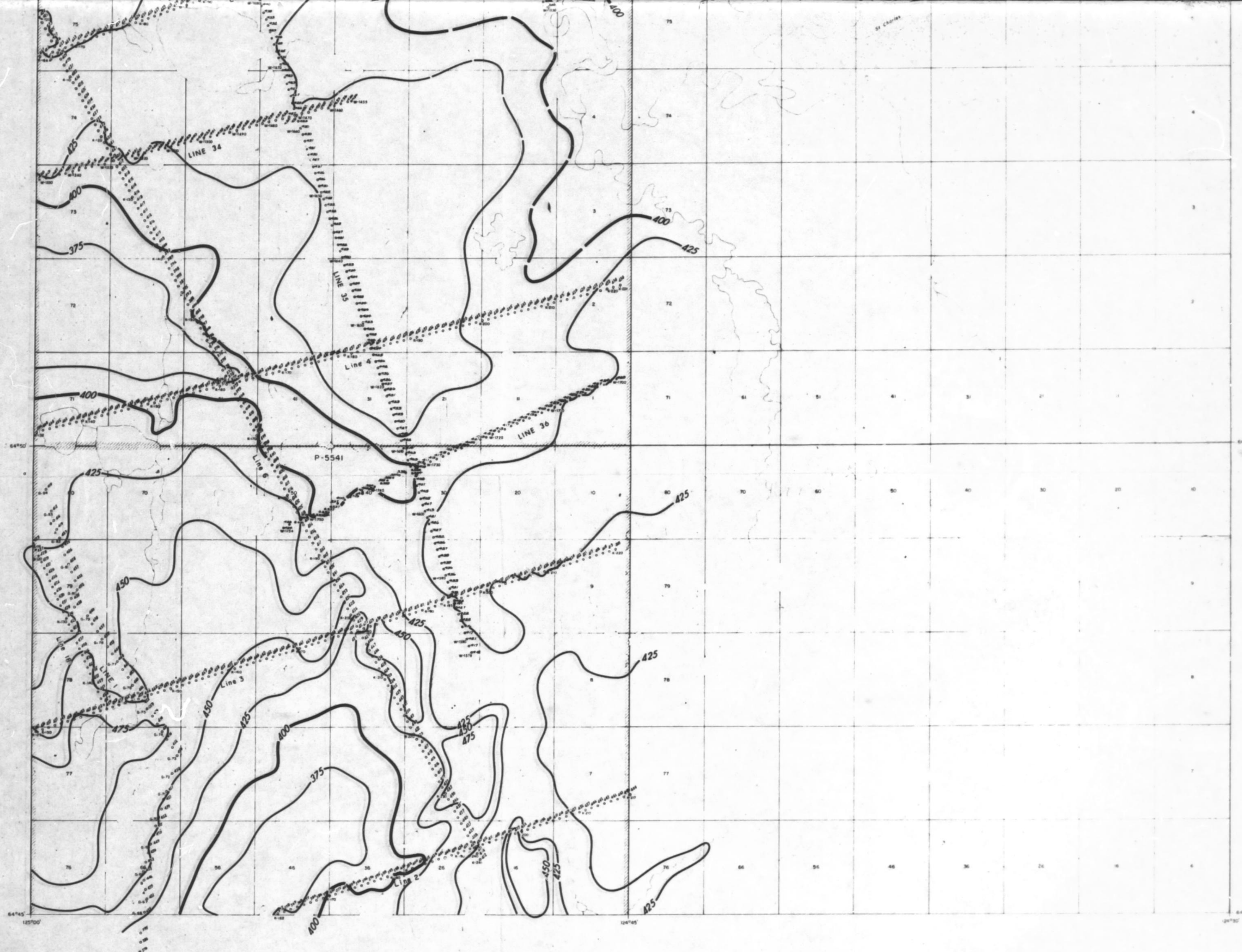


B. Tiger, Research Geophysicist.

REVIEWED AND APPROVED:



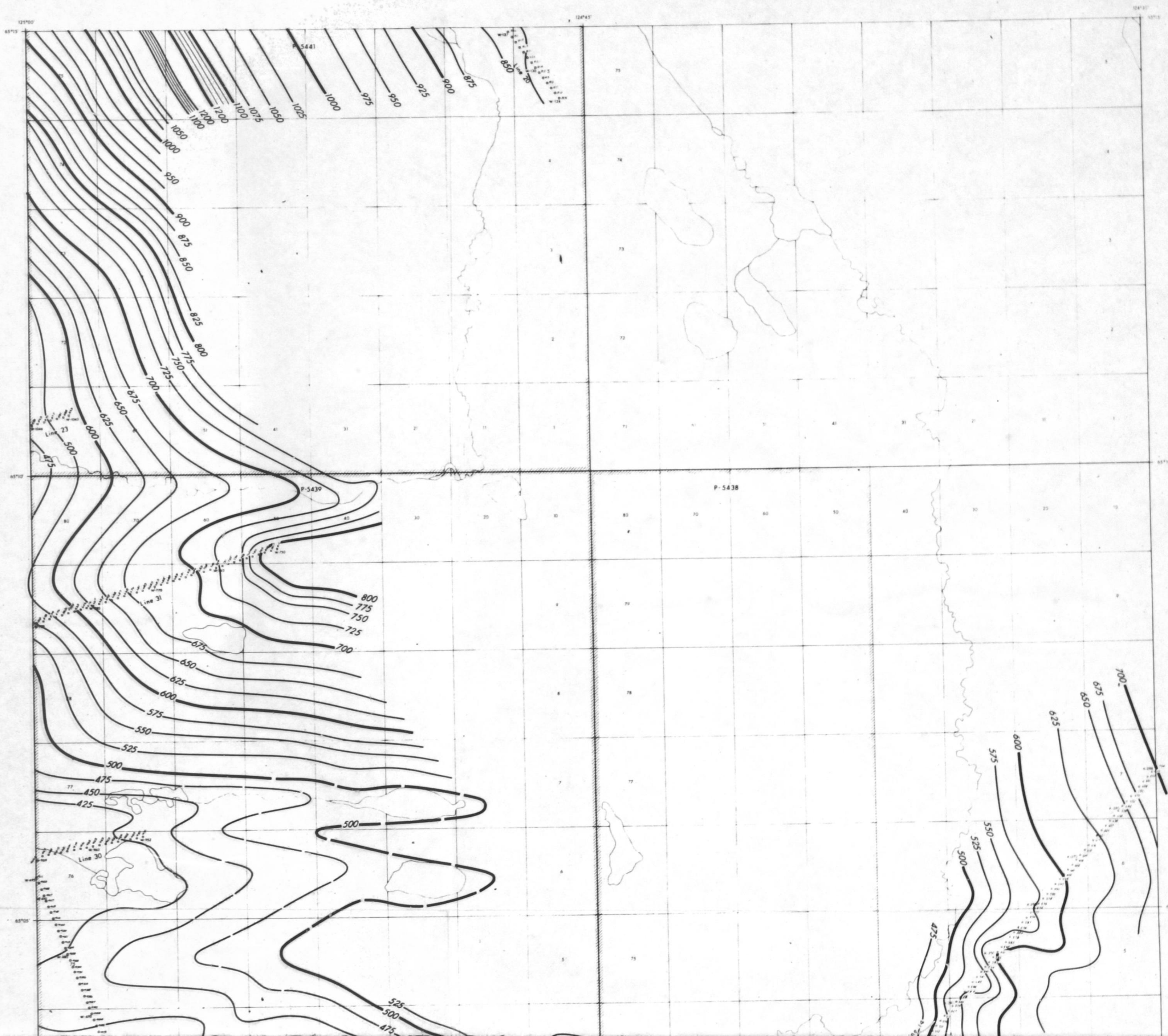
D. G. Aubin, Chief Geophysicist.



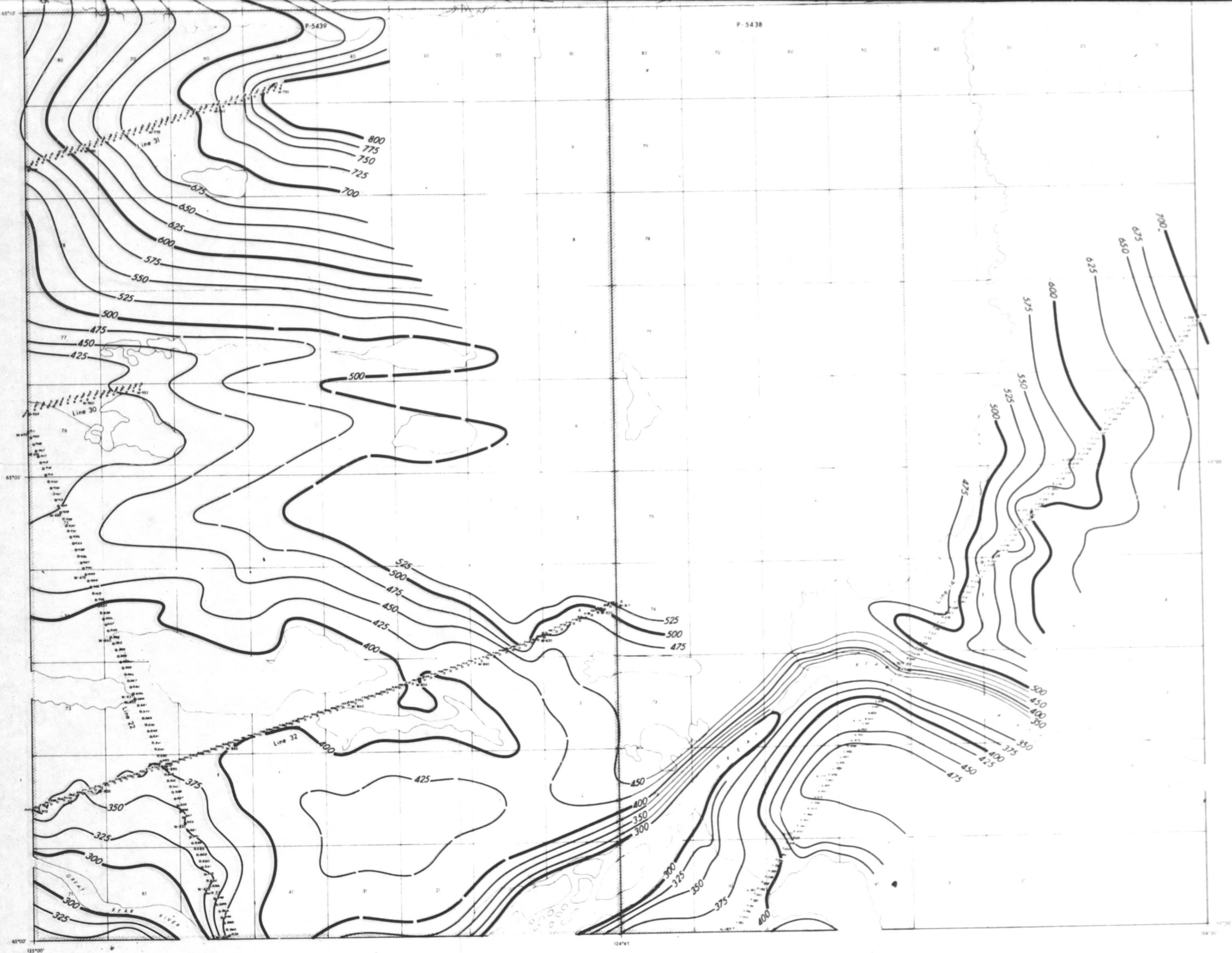
2 of 2


 96-C-15
BRACKETT LAKE AREA
 SURFACE ELEVATION MAP

Scale	1 inch = 20 feet
Projection	UTM
Zone	18N
Datum	NAD 83
Units	Feet



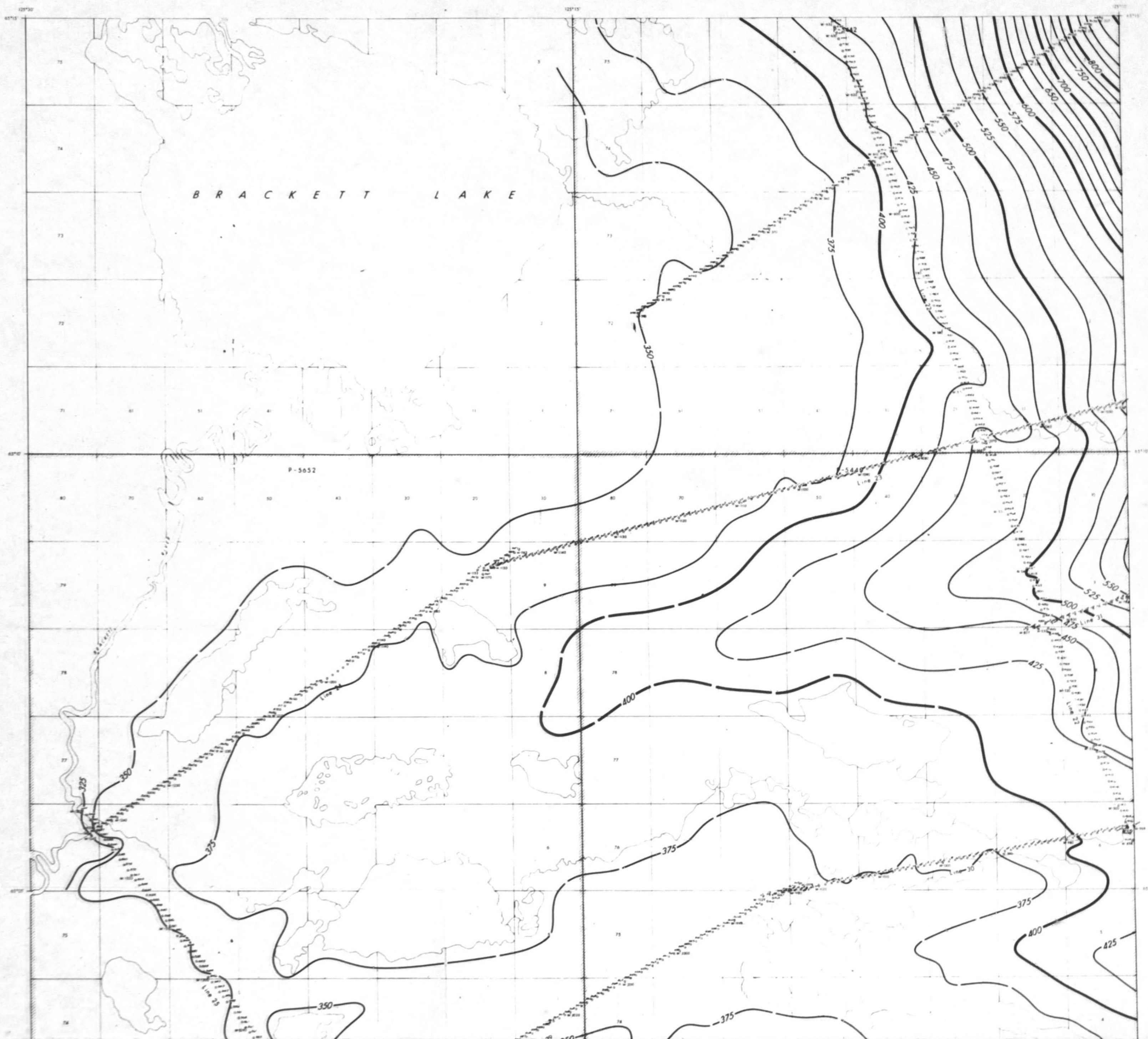
1 of



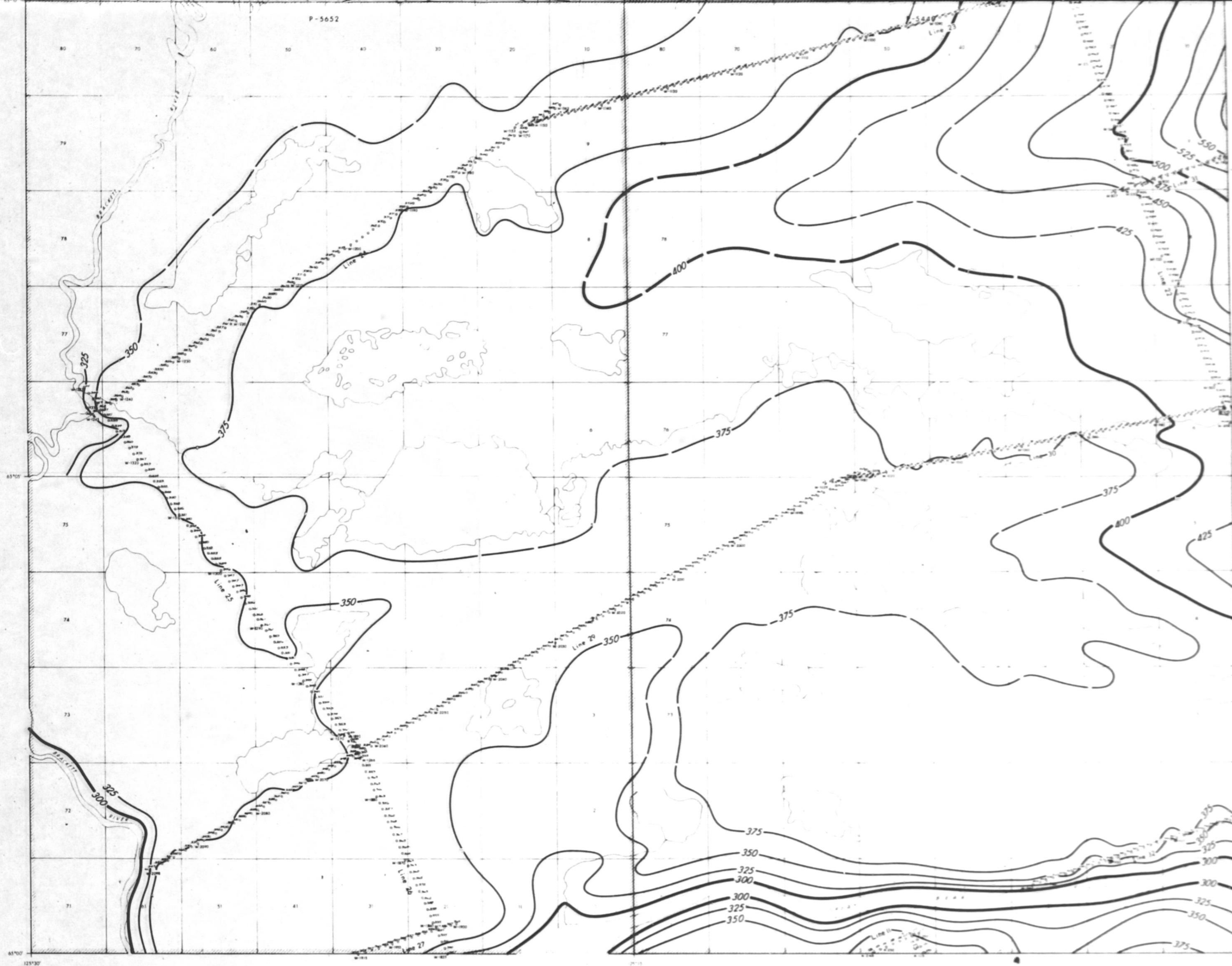
292

6 BRACKETT LAKE
96-F-2
SURFACE ELEVATION MAP

SEA LEVEL 25 FEET
E. B. FUSKAS



1 of

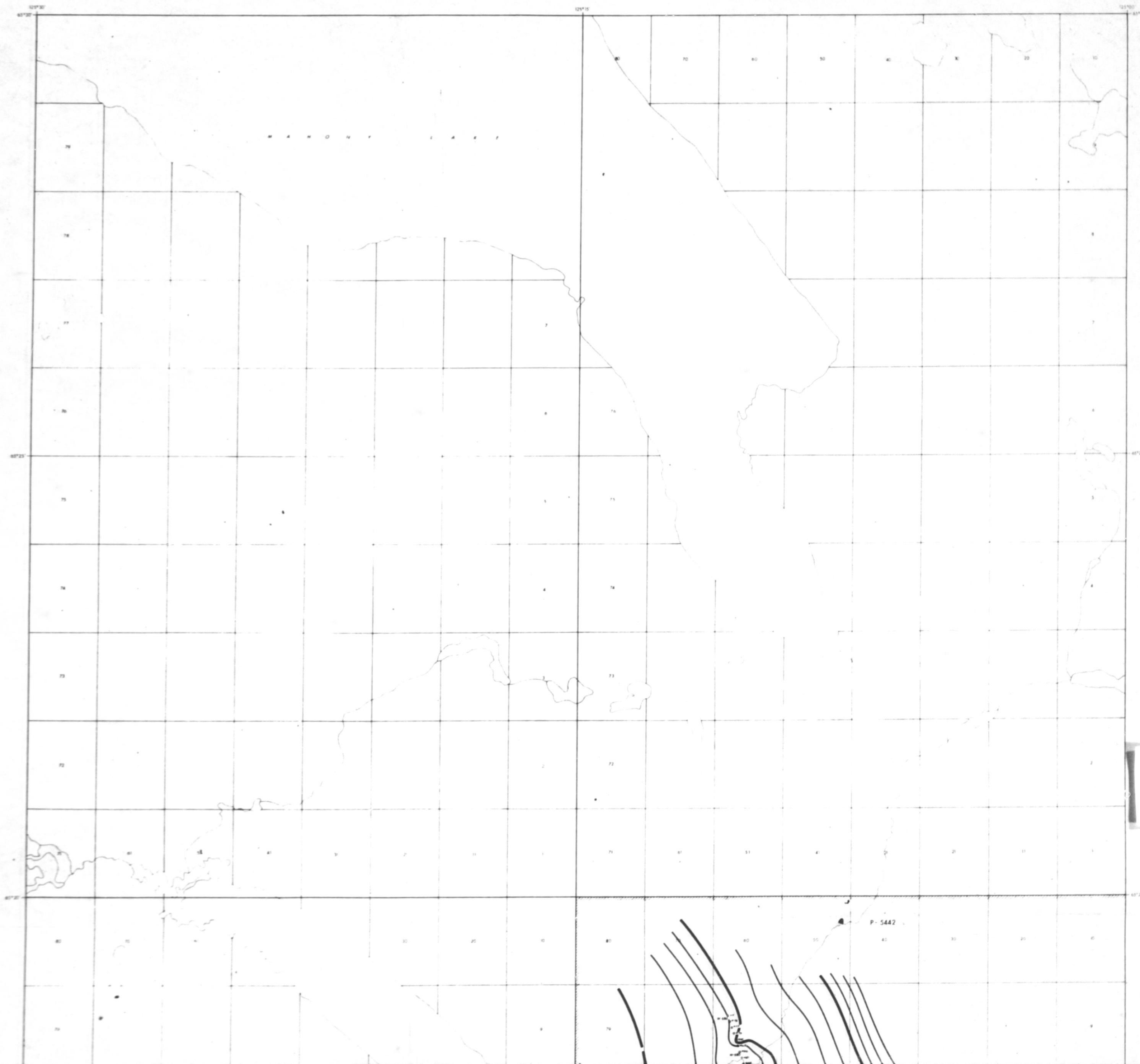


2 of 2

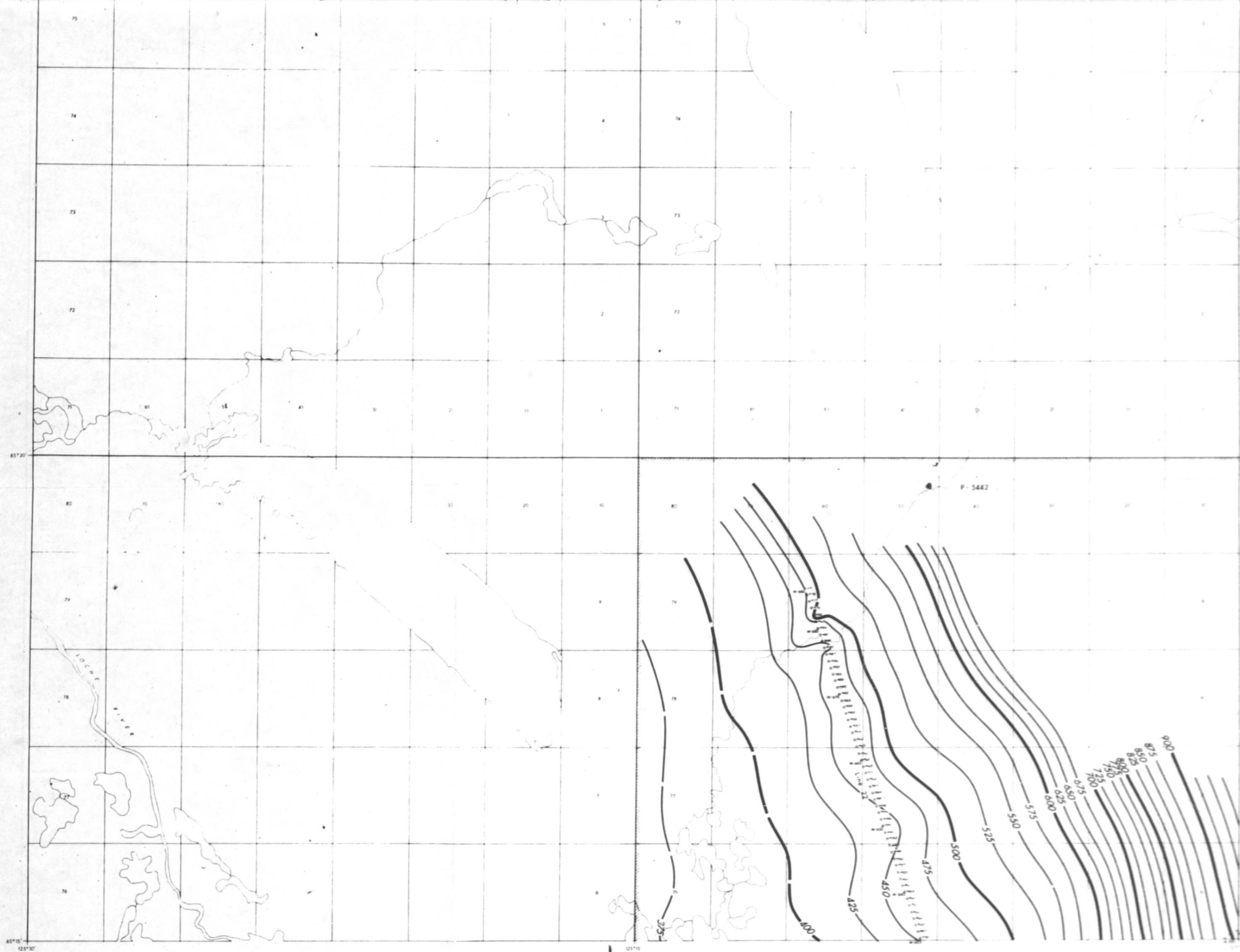
BRACKETT LAKE
96-F-3
SURFACE ELEVATION MAP

SEA LEVEL
1972

25 Feet
ELEVATION

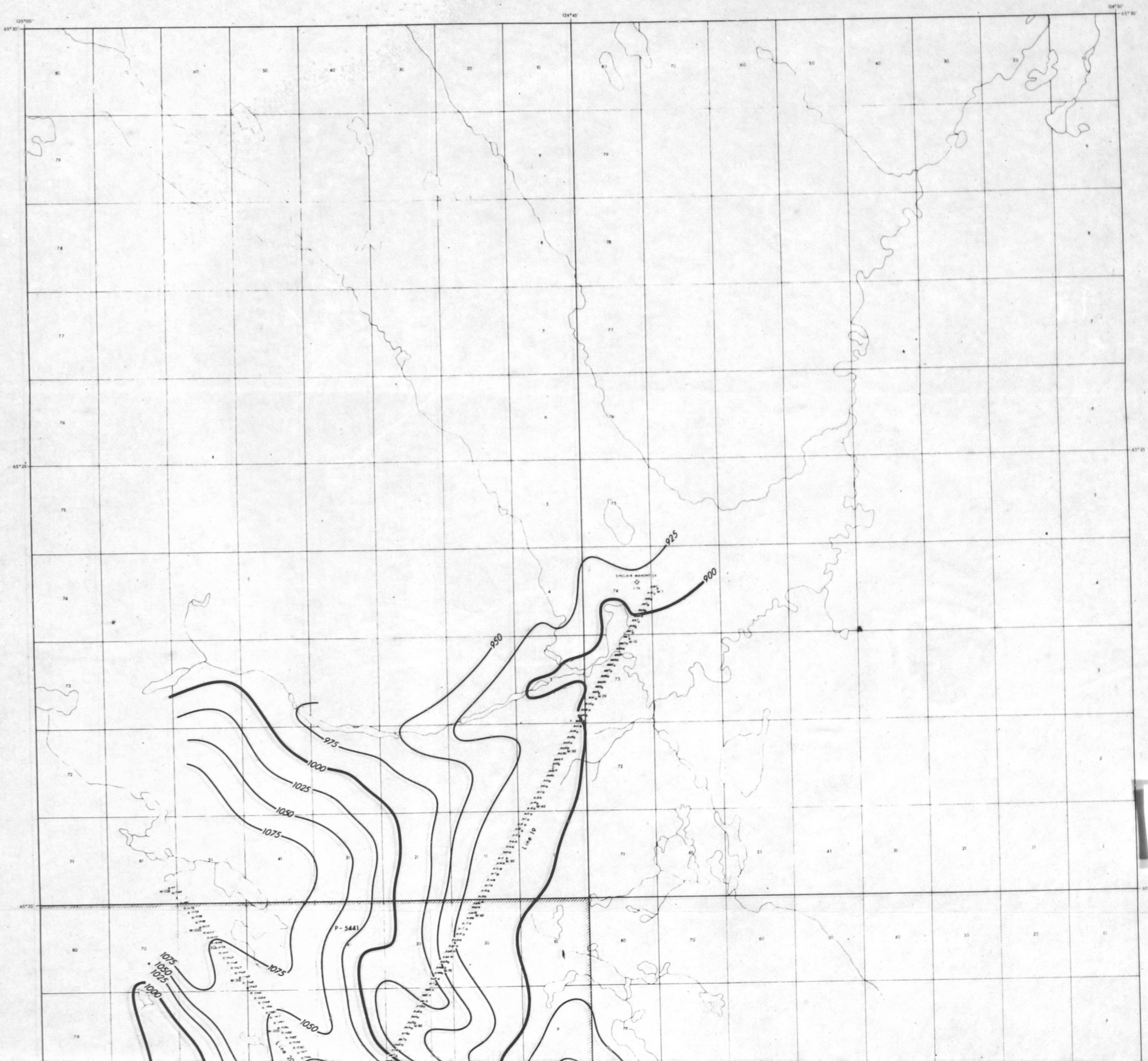


1 of

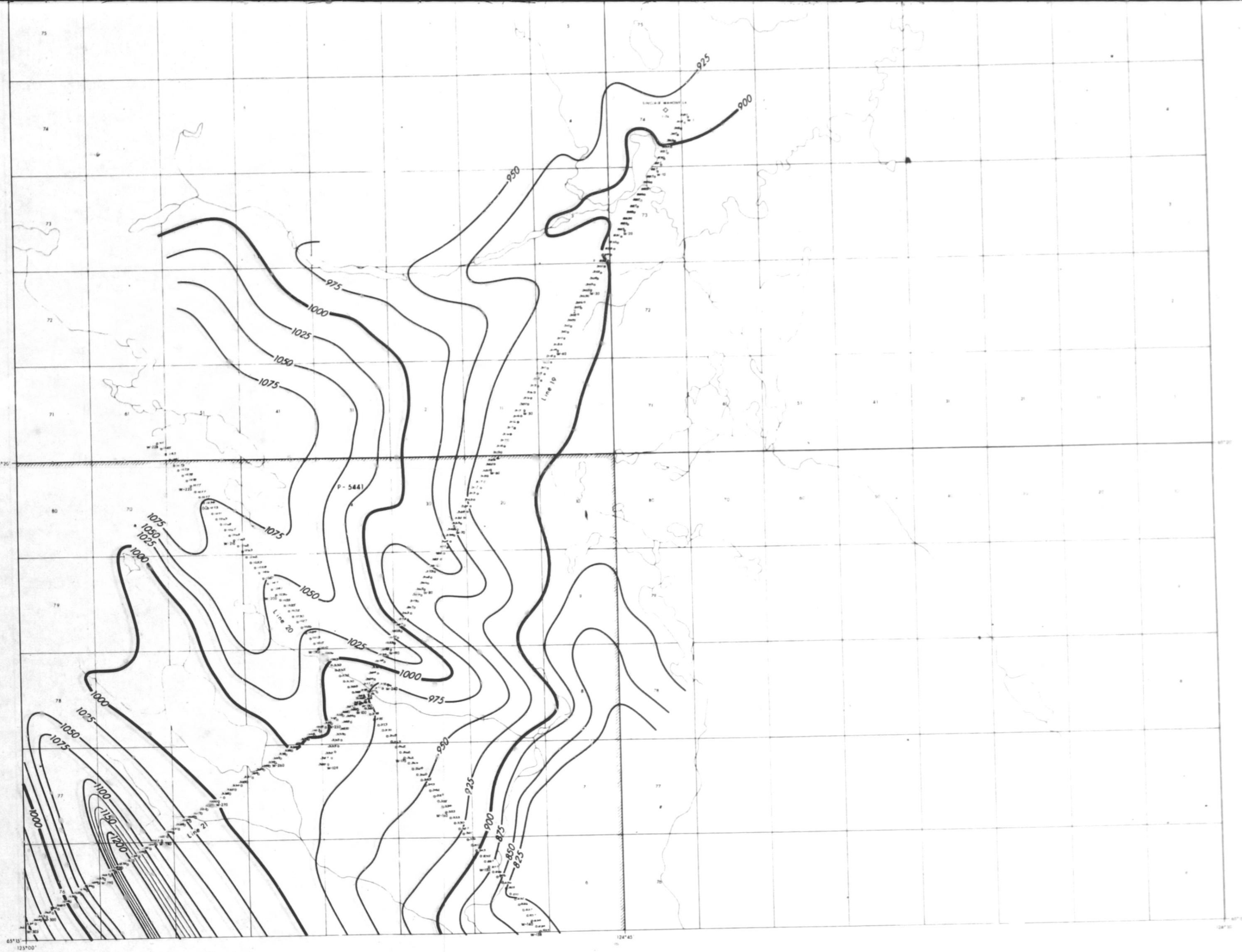


2 of 2

 AQUITAIN COMPANY OF CANADA LTD.		
BRACKETT LAKE 96-F-6 SURFACE ELEVATION MAP		
DATE 1972	SCALE 1" = 1 MILE	DRAWN BY J. L. HALL
CHECKED BY J. L. HALL	APPROVED BY J. L. HALL	DATE 1972



1 of 1



AQUITAINE COMPANY OF CANADA LTD.

BRACKETT LAKE
96-F-7
SURFACE ELEVATION MAP

DATE	SCALE	CONTINUED
OCT 1972	1" = 1 MILE	ES PUGAS
DESIGNED BY	DRAWN BY	FILE NO.
	A.J.	

2 of 2



1 of



2 of 2



96-C-14
BRACKETT LAKE AREA
 SURFACE ELEVATION MAP

1:25,000
1:50,000
1:100,000
1:200,000
1:500,000
1:1,000,000

1:25,000
1:50,000
1:100,000
1:200,000
1:500,000
1:1,000,000

ROUGHIER GRAVITY CALCILATIONS

DENSITY=

1.	2.30
2.	2.40
3.	2.50
4.	2.60
5.	2.70

DATUM= 982303.08

Enclosure 3

NUMBER OF BASE STATIONS * 30

NUMBER IDENTIFICATION VALUE

1	526	527.80
2	562	531.88
3	579	536.11
4	609	539.67
5	310	522.56
6	269	519.80
7	635	541.81
8	497	525.35
9	439	520.85
10	1998	520.61
11	1132	530.62
12	1197	522.62
13	1304	516.72
14	1268	516.22
15	2030	514.85
16	1857	513.79
17	1939	508.54
18	1828	505.95
19	1768	502.45
20	1527	504.00
21	1370	511.58
22	1400	512.77
23	1662	505.30
24	1626	498.28
25	1606	497.42
26	1587	493.97
27	1751	496.23
28	200	496.05

29

99

519.42

30

52

529.74

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE21 INITIAL RASE 310 VALUE 522.56 LINE21 FINAL RASE 310 VALUE 522.56

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELFV	OR GRAV	NORM GRAV	TEMP	BOUGHER ANOMALIES					
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
									G/CC						
21	310	14.82	49.35	65.24868	125.02074	836	522.56	8.23	0	568.43	567.37	566.30	565.23	564.17	
21	269	15.27	46.75	65.27512	124.92110	996	519.82	10.04	0	574.22	572.95	571.68	570.41	569.14	
21	272	15.35	46.46	65.27306	124.92828	1011	519.51	9.90	0	575.03	573.74	572.45	571.16	569.87	
21	275	15.40	46.21	65.27103	124.93536	1024	519.25	9.76	0	575.75	574.44	573.13	571.83	570.52	
21	278	15.45	46.24	65.26910	124.94252	1040	519.32	9.63	0	576.99	575.66	574.34	573.01	571.68	
21	281	15.52	45.38	65.26711	124.94965	1065	518.37	9.49	0	577.79	576.43	575.08	573.72	572.36	
21	284	15.58	41.40	65.26503	124.95683	1134	514.17	9.35	0	578.20	576.75	575.31	573.86	572.41	
21	287	15.77	53.63	65.26317	124.96417	1251	505.97	9.22	0	577.70	576.10	574.51	572.91	571.31	
21	290	15.93	41.23	65.26110	124.97140	1095	513.99	9.09	0	575.76	574.37	572.97	571.57	570.17	
21	293	16.00	41.83	65.25925	124.97877	1076	514.62	8.95	0	575.30	573.93	572.55	571.18	569.81	
21	296	16.07	44.50	65.25739	124.98589	1014	517.44	8.82	0	574.23	572.94	571.65	570.35	569.06	
21	299	16.12	45.94	65.25539	124.99331	965	518.96	8.69	0	572.72	571.49	570.26	569.03	567.80	
21	302	16.18	46.21	65.25360	125.00042	934	519.25	8.56	0	571.12	569.93	568.74	567.55	566.36	
21	305	16.27	46.94	65.25190	125.00830	903	520.02	8.45	0	570.00	568.85	567.70	566.55	565.40	
21	308	16.33	47.88	65.24999	125.01566	869	521.01	8.31	0	568.93	567.82	566.71	565.60	564.49	
21	310	16.73	49.35	65.24868	125.02074	836	522.56	8.23	0	568.43	567.37	566.30	565.23	564.17	
21	311	16.78	70.05	65.24838	125.02303	819	523.30	8.20	0	568.03	566.99	565.94	564.90	563.85	
21	314	16.85	72.54	65.24647	125.03038	764	525.93	8.07	0	567.29	566.32	565.34	564.37	563.39	
21	317	16.92	74.90	65.24443	125.03768	715	528.42	7.93	0	566.76	565.84	564.93	564.02	563.11	
21	320	16.98	76.89	65.24250	125.04501	665	530.52	7.80	0	565.75	564.90	564.06	563.21	562.36	
21	323	17.05	78.65	65.24064	125.05223	622	532.39	7.67	0	564.96	564.16	563.37	562.54	561.78	
21	326	17.12	80.30	65.23864	125.05944	582	534.12	7.53	0	564.25	563.50	562.76	562.02	561.28	
21	329	17.17	81.26	65.23668	125.06674	554	535.13	7.40	0	563.58	562.88	562.17	561.46	560.76	
21	332	17.23	82.33	65.23479	125.07372	526	536.26	7.27	0	563.03	562.36	561.69	561.02	560.35	
21	335	17.32	83.00	65.23283	125.08088	506	536.97	7.13	0	562.58	561.93	561.29	560.64	560.00	
21	310	17.62	49.35	65.24868	125.02074	836	522.56	8.23	0	568.43	567.37	566.30	565.23	564.17	

MAP AREA

ROUGHIER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 609 VALUE 539.67 LINE22 FINAL BASE 609 VALUE 539.67

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	ROUGHIER ANOMALIES				
---	---	---	---	---	---	---	---	---	---	2.0	2.30	2.40	2.50	2.60 2.70
										G/CC				
22	609	11.38	85.67	65.22389	125.11457	413	539.67	6.52	0	559.88	559.35	558.82	558.30	557.77
21	338	11.47	83.28	65.23091	125.08808	489	537.15	7.00	0	561.79	561.17	560.54	559.92	559.29
21	341	11.53	84.05	65.22901	125.09534	465	537.94	6.87	0	561.18	560.59	560.00	559.40	558.81
21	344	11.58	85.22	65.22704	125.10247	437	539.20	6.73	0	560.74	560.18	559.63	559.07	558.51
21	347	11.65	85.53	65.22510	125.10977	424	539.53	6.61	0	560.36	559.82	559.27	558.73	558.19
21	350	11.70	85.86	65.22322	125.11699	404	539.87	6.47	0	559.55	559.03	558.51	558.00	557.48
21	353	11.75	85.94	65.22127	125.12429	395	539.96	6.34	0	559.18	558.68	558.17	557.67	557.17
21	356	11.82	86.41	65.21932	125.13135	379	540.44	6.20	0	558.78	558.30	557.81	557.33	556.84
21	359	11.88	86.00	65.21734	125.13873	373	540.02	6.07	0	558.09	557.62	557.14	556.67	556.19
21	362	11.95	85.54	65.21544	125.14576	371	539.54	5.94	0	557.61	557.14	556.66	556.19	555.72
21	365	12.02	85.16	65.21342	125.15298	366	539.14	5.80	0	557.03	556.56	556.09	555.63	555.16
21	368	12.08	84.66	65.21160	125.16017	360	538.61	5.67	0	556.69	556.22	555.75	555.28	554.82
21	371	12.15	84.55	65.20962	125.16729	363	538.50	5.53	0	556.45	555.99	555.53	555.06	554.60
21	374	12.22	84.30	65.20771	125.17435	357	538.23	5.40	0	555.93	555.48	555.02	554.57	554.11
21	377	12.30	84.14	65.20576	125.18168	351	538.06	5.27	0	555.51	555.06	554.61	554.17	553.72
21	380	12.35	83.72	65.20384	125.18879	348	537.62	5.14	0	555.01	554.56	554.12	553.67	553.23
21	383	12.42	82.70	65.20189	125.19611	356	536.55	5.00	0	554.58	554.13	553.67	553.22	552.76
21	386	12.48	82.10	65.19996	125.20310	357	535.91	4.87	0	554.15	553.69	553.24	552.78	552.32
21	389	12.55	81.36	65.19801	125.21057	355	535.13	4.73	0	553.37	552.92	552.47	552.01	551.56
21	392	12.63	81.73	65.19608	125.21774	348	535.52	4.60	0	553.44	553.00	552.56	552.11	551.67
21	395	12.70	80.34	65.19422	125.22470	348	534.06	4.47	0	552.10	551.66	551.22	550.77	550.33
22	609	13.35	85.65	65.22389	125.11457	413	539.67	6.52	0	559.88	559.35	558.82	558.30	557.77

MAP AREA

BOUGUER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 635 VALUE 541.81 LINE22 FINAL BASE 635 VALUE 541.81

METER CONSTANT 1.0556000

STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGUER ANOMALIES					
----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
								G/CC						
635	14.52	87.68	65.25370	125.13815	460	541.81	8.57	0	563.01	562.42	561.83	561.25	560.66	
686	15.05	91.70	65.31183	125.18502	476	546.05	12.57	0	564.28	563.67	563.07	562.46	561.85	
683	15.13	91.14	65.30950	125.18214	479	545.45	12.34	0	564.11	563.50	562.89	562.28	561.67	
680	15.22	92.38	65.30497	125.17940	456	546.76	12.10	0	564.17	563.59	563.01	562.43	561.85	
677	15.30	92.94	65.30160	125.17685	440	547.35	11.87	0	563.96	563.40	562.84	562.28	561.71	
674	15.37	92.97	65.29807	125.17405	455	547.38	11.62	0	565.20	564.62	564.04	563.46	562.88	
671	15.42	91.40	65.29473	125.17131	455	545.73	11.39	0	563.78	563.20	562.62	562.03	561.45	
668	15.47	91.20	65.29132	125.16856	452	545.51	11.16	0	563.60	563.03	562.45	561.87	561.30	
665	15.53	90.62	65.28794	125.16578	457	544.90	10.93	0	563.55	562.96	562.38	561.80	561.22	
662	15.62	89.75	65.28457	125.16301	463	543.98	10.69	0	563.25	562.66	562.07	561.48	560.89	
659	15.68	89.43	65.28111	125.16026	465	543.64	10.46	0	563.28	562.68	562.09	561.50	560.90	
656	15.75	89.50	65.27764	125.15749	457	543.72	10.22	0	563.07	562.49	561.90	561.32	560.74	
653	15.82	89.57	65.27423	125.15454	448	543.79	9.98	0	562.80	562.22	561.65	561.08	560.51	
650	15.88	89.67	65.27087	125.15199	441	543.89	9.75	0	562.68	562.12	561.55	560.99	560.43	
647	15.95	88.82	65.26744	125.14914	448	543.00	9.52	0	562.47	561.90	561.33	560.76	560.18	
644	16.00	88.03	65.26406	125.14635	457	542.16	9.28	0	562.45	561.87	561.28	560.70	560.12	
641	16.07	87.75	65.26051	125.14364	461	541.86	9.04	0	562.66	562.07	561.48	560.89	560.30	
638	16.12	87.82	65.25711	125.14087	461	541.94	8.81	0	562.96	562.38	561.79	561.20	560.61	
635	16.22	87.70	65.25370	125.13815	460	541.81	8.57	0	563.01	562.42	561.83	561.25	560.66	

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 609 VALUE 539.67 LINE22 FINAL BASE 609 VALUE 539.67

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES				
----	----	----	----	----	----	----	----	----	----	2.0	2.30	2.40	2.50	2.60 2.70
										G/CC				
22	609	16.78	85.62	65.22389	125.11457	413	539.67	6.52	0	559.88	559.35	558.82	558.30	557.77
22	632	17.05	88.01	65.25026	125.13539	449	542.19	8.33	0	562.91	562.34	561.77	561.19	560.62
22	629	17.12	86.41	65.24682	125.13263	444	540.50	8.10	0	561.13	560.57	560.00	559.43	558.87
22	626	17.18	87.15	65.24338	125.12987	434	541.28	7.86	0	561.50	560.95	560.40	559.84	559.29
22	623	17.25	86.76	65.23994	125.12712	425	540.87	7.62	0	560.75	560.20	559.66	559.12	558.58
22	620	17.32	86.53	65.23667	125.12454	424	540.62	7.40	0	560.66	560.12	559.58	559.04	558.50
22	617	17.38	86.12	65.23320	125.12166	424	540.19	7.16	0	560.47	559.93	559.39	558.85	558.30
22	614	17.47	85.79	65.22985	125.11893	423	539.84	6.93	0	560.28	559.75	559.21	558.67	558.13
22	611	17.53	85.72	65.22640	125.11593	418	539.77	6.69	0	560.12	559.59	559.06	558.52	557.99
22	608	17.60	85.59	65.22296	125.11318	413	539.63	6.45	0	559.90	559.37	558.85	558.32	557.79
22	605	17.65	85.54	65.21944	125.11028	408	539.57	6.21	0	559.77	559.24	558.72	558.20	557.68
22	602	17.70	84.78	65.21610	125.10754	416	538.77	5.98	0	559.71	559.18	558.65	558.12	557.59
22	599	17.77	84.38	65.21266	125.10474	419	538.35	5.74	0	559.72	559.18	558.65	558.11	557.58
22	596	17.82	84.00	65.20934	125.10198	420	537.95	5.52	0	559.61	559.07	558.54	558.00	557.47
22	593	17.87	83.37	65.20584	125.09925	426	537.28	5.27	0	559.57	559.03	558.49	557.94	557.40
22	590	17.92	82.73	65.20241	125.09654	434	536.60	5.04	0	559.65	559.10	558.54	557.99	557.44
22	587	18.05	82.88	65.19897	125.09366	428	536.76	4.80	0	559.66	559.11	558.56	558.02	557.47
22	584	18.10	82.36	65.19563	125.09105	432	536.21	4.57	0	559.60	559.05	558.49	557.94	557.39
22	581	18.15	82.40	65.19210	125.08806	425	536.25	4.33	0	559.43	558.89	558.34	557.80	557.26
22	609	18.33	85.64	65.22389	125.11457	413	539.67	6.52	0	559.88	559.35	558.82	558.30	557.77

MAP AREA

BOUGUIER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 526 VALUE 527.80 LINE22 FINAL BASE 526 VALUE 527.80

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGUIER ANOMALIES				
----	----	----	----	-----	----	----	----	----	----	2.0 G/CC	2.30	2.40	2.50	2.60 2.70
22	526	13.15	74.32	65.12942	125.03701	434	527.80	0	0	555.89	555.33	554.78	554.22	553.67
22	578	13.53	82.23	65.18880	125.09542	418	536.15	4.10	0	559.10	558.57	558.03	557.50	556.97
22	575	13.65	82.63	65.18534	125.08262	407	536.57	3.86	0	559.05	558.53	558.01	557.49	556.97
22	572	13.70	82.40	65.18183	125.07986	406	536.33	3.62	0	558.98	558.47	557.95	557.43	556.91
22	569	13.77	79.60	65.17845	125.07708	446	533.37	3.39	0	558.85	558.28	557.71	557.14	556.57
22	566	13.83	79.00	65.17506	125.07431	449	532.74	3.15	0	558.64	558.07	557.50	556.93	556.35
22	563	13.90	78.52	65.17171	125.07153	452	532.23	2.92	0	558.56	557.99	557.41	556.83	556.26
22	560	13.97	77.79	65.16825	125.06879	459	531.44	2.68	0	558.48	557.90	557.31	556.73	556.14
22	557	14.02	77.55	65.16484	125.06579	459	531.21	2.45	0	558.40	557.82	557.23	556.65	556.06
22	554	14.08	77.28	65.16144	125.06318	457	530.92	2.21	0	558.29	557.70	557.12	556.54	555.95
22	551	14.15	76.39	65.15795	125.06023	463	529.99	1.97	0	557.98	557.39	556.79	556.20	555.61
22	548	14.20	75.65	65.15466	125.05755	468	529.20	1.74	0	557.75	557.15	556.55	555.95	555.36
22	545	14.27	74.12	65.15111	125.05468	485	527.59	1.50	0	557.48	556.86	556.24	555.62	555.00
22	542	14.32	73.42	65.14767	125.05187	489	526.85	1.26	0	557.23	556.61	555.99	555.36	554.74
22	539	14.37	72.13	65.14434	125.04904	503	525.49	1.03	0	557.01	556.37	555.72	555.08	554.44
22	536	14.42	71.90	65.14084	125.04629	500	525.25	.79	0	556.81	556.17	555.54	554.90	554.26
22	533	14.48	72.77	65.13749	125.04351	476	526.16	.56	0	556.41	555.80	555.19	554.59	553.98
22	530	14.52	73.45	65.13401	125.04064	456	526.88	.32	0	556.07	555.49	554.91	554.33	553.75
22	527	14.57	74.18	65.13053	125.03788	439	527.65	.08	0	555.98	555.42	554.86	554.30	553.74
22	526	14.72	74.32	65.12942	125.03701	434	527.80	0	0	555.89	555.33	554.78	554.22	553.67
22	524	14.83	74.45	65.12719	125.03508	429	527.94	-0.15	0	555.85	555.31	554.76	554.21	553.66
22	521	14.88	73.89	65.12393	125.03193	429	527.35	-0.38	0	555.49	554.94	554.39	553.84	553.30
22	518	14.93	73.50	65.12042	125.02867	430	526.93	-0.62	0	555.38	554.83	554.29	553.74	553.19
22	515	14.98	72.38	65.11724	125.02560	446	525.75	-0.84	0	555.46	554.89	554.32	553.75	553.18
22	512	15.05	70.74	65.11380	125.02253	464	524.02	-1.08	0	555.13	554.53	553.94	553.35	552.76
22	509	15.12	72.66	65.11041	125.01914	424	526.05	-1.31	0	554.80	554.26	553.72	553.18	552.64
22	506	15.17	72.60	65.10706	125.01624	416	525.98	-1.55	0	554.45	553.92	553.39	552.86	552.33
22	503	15.25	72.50	65.10374	125.01303	414	525.88	-1.77	0	554.44	553.92	553.39	552.86	552.33
22	500	15.32	72.03	65.10019	125.00965	411	525.38	-2.02	0	554.00	553.48	552.95	552.43	551.90
22	497	15.38	72.00	65.09700	125.00682	406	525.35	-2.24	0	553.87	553.35	552.83	552.31	551.79
22	526	15.68	74.32	65.12942	125.03701	434	527.80	0	0	555.89	555.33	554.78	554.22	553.67

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE19 INITIAL BASE 52 VALUE 529.74 LINE19 FINAL BASE 52 VALUE 529.74

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TEMP	BOUGHER ANOMALIES				
										2.0 G/CC	2.30	2.40	2.50	2.60 2.70
19	52	9.35	76.25	65.33946	124.79066	916	529.74	14.47	0	574.55	573.38	572.21	571.04	569.87
19	1	10.03	83.66	65.39240	124.71748	920	537.54	18.10	0	579.00	577.82	576.65	575.48	574.30
19	4	10.12	83.92	65.38930	124.72182	907	537.84	17.89	0	578.64	577.49	576.33	575.17	574.01
19	7	10.18	84.30	65.38615	124.72630	897	538.24	17.67	0	578.61	577.47	576.32	575.14	574.04
19	10	10.27	84.36	65.38297	124.73055	887	538.30	17.45	0	578.25	577.12	575.98	574.85	573.72
19	13	10.35	83.76	65.37499	124.73472	885	537.67	17.25	0	577.69	576.56	575.43	574.30	573.17
19	16	10.43	83.30	65.37681	124.73918	887	537.18	17.03	0	577.55	576.42	575.29	574.16	573.02
19	19	10.50	82.66	65.37376	124.74327	889	536.51	16.82	0	577.21	576.08	574.95	573.81	572.68
19	22	10.58	82.00	65.37052	124.74773	893	535.81	16.60	0	577.00	575.86	574.72	573.58	572.44
19	25	10.67	81.36	65.36739	124.75188	898	535.13	16.38	0	576.86	575.72	574.57	573.42	572.28
19	28	10.75	80.18	65.36427	124.75633	904	533.89	16.17	0	576.22	575.07	573.91	572.76	571.60
19	31	10.83	80.02	65.36130	124.76051	903	533.72	15.97	0	576.19	575.04	573.88	572.73	571.58
19	34	10.92	79.17	65.35814	124.76473	908	532.82	15.75	0	575.83	574.67	573.51	572.36	571.20
19	37	10.98	78.65	65.35501	124.76915	910	532.27	15.53	0	575.63	574.47	573.31	572.14	570.98
19	40	11.07	77.92	65.35180	124.77349	914	531.50	15.31	0	575.34	574.17	573.00	571.84	570.67
19	44	11.17	77.38	65.34774	124.77921	915	530.93	15.04	0	575.11	573.94	572.77	571.61	570.44
19	46	11.23	77.10	65.34565	124.78206	913	530.64	14.89	0	574.83	573.66	572.50	571.33	570.17
19	49	11.30	76.48	65.34252	124.78630	920	529.98	14.68	0	574.84	573.67	572.49	571.32	570.15
19	52	11.38	76.25	65.33946	124.79066	916	529.74	14.47	0	574.55	573.38	572.21	571.04	569.87

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE19 INITIAL RASE 52 VALUE 529.74 LINE19 FINAL RASE 52 VALUE 529.74

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TEMP	BOUGHER ANOMALIFS					
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0 G/CC	2.30	2.40	2.50	2.60	2.70
19	52	12.07	76.25	65.33946	124.79066	916	529.74	14.47	0	574.55	573.38	572.21	571.04	569.87	
19	55	12.15	75.71	65.33635	124.79503	917	529.17	14.25	0	574.26	573.09	571.92	570.75	569.58	
19	58	12.22	74.95	65.33319	124.79930	922	528.37	14.04	0	574.00	572.82	571.65	570.47	569.29	
19	61	12.28	75.14	65.33009	124.80374	918	528.57	13.82	0	574.16	572.98	571.81	570.64	569.47	
19	64	12.35	74.68	65.32693	124.80811	919	528.09	13.61	0	573.95	572.78	571.61	570.43	569.26	
19	67	12.42	73.70	65.32380	124.81244	928	527.06	13.39	0	573.72	572.53	571.35	570.16	568.98	
19	70	12.50	72.42	65.32067	124.81674	948	525.71	13.18	0	573.88	572.67	571.46	570.25	569.04	
19	73	12.58	70.22	65.31753	124.82106	977	523.39	12.96	0	573.65	572.40	571.16	569.91	568.66	
19	76	12.65	69.65	65.31433	124.82550	981	522.79	12.74	0	573.53	572.28	571.02	569.77	568.52	
19	79	12.72	70.23	65.31126	124.82969	966	523.40	12.53	0	573.38	572.15	570.92	569.68	568.45	
19	82	12.78	69.49	65.30817	124.83410	973	522.62	12.32	0	573.27	572.02	570.78	569.54	568.30	
19	85	12.87	69.01	65.30502	124.83855	973	522.11	12.10	0	572.98	571.74	570.49	569.25	568.01	
19	88	12.93	65.89	65.30189	124.84276	1017	518.82	11.89	0	572.75	571.45	570.15	568.86	567.56	
19	91	13.02	64.24	65.29879	124.84716	1035	517.08	11.67	0	572.39	571.07	569.74	568.42	567.10	
19	94	13.10	67.21	65.29573	124.85131	984	520.22	11.46	0	572.43	571.18	569.92	568.67	567.41	
19	97	13.17	67.30	65.29261	124.85562	978	520.32	11.25	0	572.36	571.11	569.86	568.61	567.36	
19	100	13.25	66.50	65.28941	124.86004	985	519.47	11.03	0	572.19	570.93	569.67	568.42	567.16	
19	103	13.32	66.03	65.28618	124.86443	985	518.98	10.81	0	571.91	570.66	569.40	568.14	566.89	
19	106	13.40	65.32	65.28305	124.86858	995	518.23	10.59	0	572.03	570.76	569.49	568.22	566.95	
19	109	13.47	65.24	65.27988	124.87295	988	518.15	10.37	0	571.71	570.45	569.19	567.93	566.67	
19	52	14.12	76.21	65.33946	124.79066	916	529.74	14.47	0	574.55	573.38	572.21	571.04	569.87	

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE19 INITIAL BASE 99 VALUE 519.42 LINE19 FINAL BASE 99 VALUE 519.42

AFTER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES					
----	----	----	----	-----	-----	----	-----	-----	----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
19	99	15.10	46.50	65.29036	124.85928	987	519.42	11.09	0	572.20	570.94	569.68	568.42	567.16	
21	242	15.20	47.60	65.29315	124.85678	971	520.59	11.28	0	572.13	570.89	569.66	568.42	567.18	
21	245	15.27	46.48	65.29109	124.84415	987	519.40	11.14	0	572.13	570.87	569.61	568.35	567.09	
21	248	15.35	45.90	65.28910	124.87100	993	518.79	11.01	0	572.04	570.78	569.51	568.24	566.97	
21	251	15.41	46.84	65.28714	124.87848	1005	517.67	10.87	0	571.84	570.55	569.27	567.99	566.71	
21	254	15.57	45.25	65.28507	124.88569	999	518.11	10.73	0	572.03	570.75	569.48	568.20	566.93	
21	257	15.63	45.05	65.28309	124.89264	998	517.90	10.59	0	571.89	570.61	569.34	568.07	566.79	
21	260	15.75	45.25	65.28108	124.89972	994	518.11	10.45	0	571.98	570.71	569.44	568.17	566.91	
21	263	0													
21	266	15.93	45.86	65.27715	124.91391	994	518.74	10.18	0	572.90	571.63	570.36	569.09	567.82	
21	269	16.05	46.84	65.27512	124.92110	996	519.79	10.04	0	574.20	572.93	571.66	570.39	569.12	
19	99	16.53	46.48	65.29036	124.85928	987	519.42	11.09	0	572.20	570.94	569.68	568.42	567.16	

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE19 INITIAL BASE 99 VALUE 519.42 LINE19 FINAL BASE 99 VALUE 519.42

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES				
										2.0 G/CC	2.30	2.40	2.50	2.60
19	99	17.42	66.48	65.29036	124.85928	987	519.42	11.09	0	572.20	570.94	569.68	568.42	567.16
20	228	17.98	65.01	65.33654	124.94160	1083	517.87	14.27	0	573.69	572.30	570.92	569.54	568.16
20	225	18.03	64.90	65.33367	124.93645	1081	517.75	14.07	0	573.64	572.26	570.88	569.50	568.12
20	222	18.12	65.00	65.33080	124.93130	1078	517.86	13.87	0	573.75	572.37	570.99	569.62	568.24
20	219	18.18	64.80	65.32790	124.92610	1077	517.65	13.67	0	573.67	572.29	570.92	569.55	568.17
20	216	18.30	64.65	65.32500	124.92102	1073	517.49	13.47	0	573.45	572.08	570.71	569.34	567.97
20	213	18.37	64.64	65.32213	124.91558	1068	517.48	13.28	0	573.31	571.95	570.59	569.23	567.86
20	210	18.45	64.78	65.31928	124.91037	1063	517.63	13.08	0	573.33	571.98	570.62	569.26	567.91
20	207	18.52	64.53	65.31631	124.90531	1062	517.36	12.88	0	573.21	571.85	570.50	569.14	567.79
20	204	18.58	64.71	65.31352	124.90017	1056	517.55	12.68	0	573.20	571.86	570.51	569.16	567.81
20	201	18.65	65.44	65.31058	124.89498	1041	518.32	12.48	0	573.20	571.88	570.55	569.22	567.89
20	198	18.72	65.48	65.30777	124.88967	1035	518.36	12.29	0	573.05	571.73	570.41	569.09	567.77
20	195	18.78	65.56	65.30483	124.88454	1027	518.45	12.09	0	572.82	571.51	570.20	568.89	567.58
20	192	18.87	65.83	65.30194	124.87924	1019	518.73	11.89	0	572.79	571.49	570.19	568.89	567.59
20	189	18.95	66.30	65.29916	124.87421	1006	519.23	11.70	0	572.63	571.35	570.07	568.78	567.50
20	186	19.02	66.75	65.29637	124.86893	995	519.71	11.51	0	572.59	571.32	570.05	568.78	567.51
20	183	19.10	66.76	65.29341	124.86381	995	519.72	11.30	0	572.80	571.53	570.26	568.99	567.72
20	180	19.18	66.73	65.29055	124.85875	987	519.68	11.11	0	572.45	571.19	569.93	568.67	567.41
19	99	19.33	66.48	65.29036	124.85928	987	519.42	11.09	0	572.20	570.94	569.68	568.42	567.16
20	177	19.43	67.00	65.28762	124.85348	975	519.97	10.90	0	572.16	570.91	569.67	568.43	567.18
20	174	19.52	67.03	65.28468	124.84818	968	520.00	10.70	0	571.94	570.70	569.47	568.23	567.00
20	171	0												
20	168	19.62	66.83	65.27891	124.83768	964	519.79	10.31	0	571.87	570.64	569.41	568.18	566.95
20	165	19.70	67.18	65.27599	124.83246	949	520.16	10.10	0	571.47	570.26	569.04	567.83	566.62
20	162	19.77	67.76	65.27320	124.82724	935	520.77	9.91	0	571.36	570.17	568.98	567.79	566.59
20	159	19.83	67.52	65.27027	124.82218	933	520.52	9.71	0	571.18	569.99	568.80	567.61	566.42
20	156	19.92	68.22	65.26746	124.81674	921	521.26	9.52	0	571.34	570.16	568.99	567.81	566.64
20	153	19.98	69.30	65.26448	124.81145	903	522.40	9.31	0	571.52	570.37	569.21	568.06	566.91
20	150	20.07	70.35	65.26167	124.80643	877	523.51	9.12	0	571.14	570.02	568.90	567.78	566.66
20	147	20.13	72.52	65.25888	124.80106	836	525.80	8.93	0	570.97	569.90	568.83	567.77	566.70
20	144	20.20	72.40	65.25592	124.79580	832	525.67	8.72	0	570.79	569.72	568.66	567.60	566.54
20	141	20.28	71.62	65.25305	124.79079	837	524.85	8.53	0	570.48	569.42	568.35	567.28	566.21
20	138	20.35	71.60	65.25025	124.78554	833	524.82	8.33	0	570.40	569.33	568.27	567.21	566.14
20	135	20.42	71.32	65.24722	124.78072	829	524.53	8.12	0	570.05	568.99	567.94	566.88	565.82
20	132	20.50	71.66	65.24419	124.77573	823	524.89	7.92	0	570.23	569.18	568.13	567.08	566.03
20	129	20.57	71.96	65.24145	124.77056	815	525.20	7.73	0	570.22	569.18	568.14	567.10	566.06
20	126	20.65	72.10	65.23863	124.76523	811	525.35	7.53	0	570.30	569.27	568.23	567.20	566.16
19	99	21.28	66.48	65.29036	124.85928	987	519.42	11.09	0	572.20	570.94	569.68	568.42	567.16

MAP AREA

BOUGUER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 497 VALUE 525.35 LINE22 FINAL BASE 497 VALUE 525.35

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TERR	BOUGUER ANOMALIES				
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60 2.70
										G/CC				
22	497	11.88	72.21	65.09700	125.00682	406	525.35	-2.24	0	553.86	553.35	552.83	552.31	551.79
22	493	11.97	71.27	65.09153	125.00009	411	524.35	-2.62	0	553.57	553.05	552.52	552.00	551.47
22	491	12.02	71.14	65.08929	124.99785	407	524.22	-2.77	0	553.33	552.81	552.29	551.77	551.25
22	488	12.07	70.65	65.08606	124.99480	413	523.70	-3.00	0	553.42	552.89	552.37	551.84	551.31
22	485	12.12	70.03	65.08250	124.99174	420	523.04	-3.24	0	553.46	552.93	552.40	551.86	551.32
22	481	12.18	69.27	65.07816	124.98767	424	522.24	-3.54	0	553.22	552.68	552.14	551.59	551.05
22	479	12.30	68.79	65.07584	124.98564	428	521.72	-3.70	0	553.13	552.58	552.03	551.48	550.94
22	476	12.35	67.82	65.07253	124.98260	436	520.70	-3.93	0	552.85	552.29	551.73	551.18	550.62
22	473	12.40	67.73	65.06907	124.97960	436	520.60	-4.17	0	552.99	552.43	551.88	551.32	550.76
22	470	12.45	67.03	65.06575	124.97656	444	519.86	-4.40	0	553.00	552.43	551.86	551.30	550.73
22	467	12.50	68.68	65.06236	124.97344	413	521.60	-4.64	0	552.97	552.44	551.91	551.34	550.78
22	464	12.55	69.11	65.05884	124.97020	398	522.05	-4.88	0	552.69	552.18	551.67	551.17	550.66
22	461	12.62	68.96	65.05561	124.96720	395	521.89	-5.11	0	552.56	552.06	551.55	551.05	550.54
22	458	0												
22	454	12.73	68.82	65.04777	124.96014	386	521.74	-5.65	0	552.37	551.87	551.38	550.89	550.40
22	497	13.05	72.25	65.09700	125.00682	406	525.35	-2.24	0	553.86	553.35	552.83	552.31	551.79

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 439 VALUE 520.85 LINE22 FINAL BASE 439 VALUE 520.85

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES				
---	---	---	---	---	---	---	---	---	---	2.0 G/CC	2.30	2.40	2.50	2.60 2.70
22	439	12.72	68.00	65.03087	124.94465	375	520.85	-6.82	0	551.94	551.46	550.98	550.50	550.02
32	821	13.25	72.46	65.05810	124.75912	497	525.54	-4.93	0	562.64	562.00	561.37	560.74	560.10
32	824	13.32	74.47	65.05658	124.76683	475	527.64	-5.04	0	563.44	562.83	562.23	561.62	561.02
32	827	13.37	74.82	65.05512	124.77447	477	528.03	-5.14	0	564.04	563.43	562.82	562.21	561.60
32	830	13.43	75.49	65.05375	124.78184	455	528.74	-5.23	0	563.41	562.83	562.25	561.67	561.09
32	833	13.50	72.31	65.05221	124.78992	503	525.38	-5.34	0	563.27	562.63	561.99	561.34	560.70
32	836	13.55	74.78	65.05113	124.79809	448	527.98	-5.42	0	562.39	561.82	561.25	560.68	560.10
32	839	13.60	74.62	65.05004	124.80609	419	527.81	-5.49	0	560.42	559.88	559.35	558.82	558.28
32	842	13.65	72.90	65.04884	124.81451	413	526.00	-5.57	0	558.30	557.77	557.24	556.72	556.19
32	845	13.72	72.98	65.04778	124.82226	401	526.08	-5.65	0	557.68	557.16	556.65	556.14	555.63
32	848	13.77	71.10	65.04659	124.83075	393	524.09	-5.73	0	555.26	554.75	554.25	553.75	553.25
32	851	13.83	68.86	65.04556	124.83844	412	521.73	-5.80	0	554.19	553.66	553.14	552.61	552.09
32	854	13.88	69.66	65.04446	124.84661	392	522.57	-5.88	0	553.82	553.31	552.81	552.31	551.81
32	857	13.93	69.26	65.04332	124.85473	392	522.15	-5.96	0	553.47	552.97	552.47	551.97	551.47
32	860	14.00	68.78	65.04222	124.86278	395	521.64	-6.03	0	553.23	552.73	552.22	551.72	551.22
32	863	14.05	68.85	65.04112	124.87082	393	521.71	-6.11	0	553.25	552.75	552.25	551.75	551.25
32	866	14.12	68.64	65.04000	124.87921	391	521.49	-6.19	0	552.98	552.48	551.98	551.48	550.98
32	869	14.18	67.95	65.03897	124.88699	396	520.74	-6.26	0	552.64	552.14	551.63	551.13	550.62
32	872	14.25	67.65	65.03772	124.89539	399	520.44	-6.34	0	552.60	552.09	551.58	551.08	550.57
32	875	14.30	67.54	65.03672	124.90326	400	520.32	-6.41	0	552.62	552.11	551.60	551.09	550.58
32	878	14.35	67.28	65.03555	124.91144	400	520.05	-6.49	0	552.42	551.91	551.40	550.89	550.38
32	881	14.42	67.49	65.03448	124.91927	394	520.27	-6.57	0	552.33	551.83	551.33	550.82	550.32
32	884	14.47	67.38	65.03338	124.92777	390	520.15	-6.64	0	552.03	551.53	551.04	550.54	550.04
32	887	14.52	67.35	65.03229	124.93558	390	520.12	-6.72	0	552.07	551.58	551.08	550.58	550.08
32	890	14.58	67.86	65.03121	124.94399	377	520.65	-6.80	0	551.84	551.36	550.88	550.40	549.92
22	439	14.67	68.05	65.03087	124.94465	375	520.85	-6.82	0	551.94	551.46	550.98	550.50	550.02

MAP AREA

BOUGIER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 439 VALUE 520.85 LINE22 FINAL BASE 439 VALUE 520.85

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TEMP	BOUGIER ANOMALIES				
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60 2.70
									G/CC					
22	439	15.22	68.01	65.03087	124.94465	375	520.85	-6.82	0	551.94	551.46	550.98	550.50	550.02
22	452	15.35	68.39	65.04549	124.95797	390	521.25	-5.81	0	552.30	551.80	551.30	550.81	550.31
22	449	15.40	68.55	65.04218	124.95485	381	521.43	-6.04	0	552.12	551.63	551.14	550.66	550.17
22	446	15.47	67.88	65.03870	124.95161	390	520.72	-6.28	0	552.23	551.74	551.24	550.74	550.24
22	443	15.52	67.48	65.03544	124.94881	391	520.30	-6.50	0	552.10	551.60	551.11	550.61	550.11
22	440	15.57	67.62	65.03199	124.94556	383	520.45	-6.74	0	551.97	551.49	551.00	550.51	550.02
22	437	15.63	68.51	65.02857	124.94264	362	521.39	-6.98	0	551.79	551.33	550.87	550.41	549.95
22	434	15.72	68.42	65.02535	124.93962	357	521.30	-7.20	0	551.60	551.15	550.69	550.23	549.78
22	430	15.78	68.27	65.02086	124.93541	353	521.14	-7.51	0	551.50	551.05	550.60	550.15	549.69
22	428	15.85	68.91	65.01843	124.93321	341	521.82	-7.68	0	551.57	551.13	550.70	550.26	549.83
22	425	15.92	69.26	65.01521	124.93043	329	522.19	-7.90	0	551.38	550.96	550.54	550.12	549.70
22	421	16.42	69.44	65.01054	124.92627	320	522.39	-8.23	0	551.33	550.92	550.51	550.10	549.70
22	419	16.48	67.64	65.00838	124.92434	341	520.50	-8.38	0	550.94	550.51	550.07	549.63	549.20
22	416	16.53	66.01	65.00499	124.92122	362	518.78	-8.61	0	550.81	550.35	549.89	549.43	548.97
22	413	16.58	64.34	65.00167	124.91839	382	517.02	-8.84	0	550.58	550.09	549.60	549.12	548.63
22	410	16.65	64.62	64.99865	124.91563	373	517.31	-9.05	0	550.50	550.03	549.55	549.07	548.60
22	407	16.70	64.33	64.99540	124.91282	372	517.01	-9.28	0	550.36	549.88	549.41	548.93	548.46
22	404	16.77	64.01	64.99192	124.90959	371	516.67	-9.52	0	550.20	549.73	549.25	548.78	548.31
22	401	16.82	64.27	64.98854	124.90675	362	516.95	-9.75	0	550.13	549.67	549.20	548.74	548.28
22	439	17.05	67.96	65.03087	124.94465	375	520.85	-6.82	0	551.94	551.46	550.98	550.50	550.02

ROUGHER CALCULATIONS FOR AQUITAINE

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELFV	OR GRAV	NORM GRAV	TERR	BOUGIER ANOMALIES					
----	----	----	-----	-----	----	----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
34	1527	17.60	53.00	64.88445	124.96695	420	504.00	-16.99	0	548.16	547.63	547.09	546.56	546.02	
6	127	17.68	52.68	64.88114	124.96374	418	503.66	-17.22	0	547.93	547.39	546.86	546.33	545.79	
6	124	17.77	52.93	64.88433	124.96771	420	503.93	-16.99	0	548.10	547.56	547.03	546.49	545.96	
6	122	17.92	52.67	64.88651	124.97046	421	503.65	-16.84	0	547.74	547.20	546.66	546.13	545.59	
6	121	17.97	52.55	64.88757	124.97168	425	503.52	-16.77	0	547.80	547.25	546.71	546.17	545.63	
6	118	18.03	52.85	64.89071	124.97546	423	503.84	-16.55	0	547.77	547.23	546.69	546.15	545.61	
6	116	18.17	52.76	64.89283	124.97829	430	503.75	-16.40	0	547.98	547.43	546.88	546.33	545.78	
6	112	18.25	52.60	64.89710	124.98364	438	503.58	-16.11	0	548.03	547.47	546.91	546.35	545.79	
6	110	18.30	52.66	64.89918	124.98621	433	503.64	-15.96	0	547.62	547.07	546.52	545.96	545.41	
6	109	18.35	52.86	64.90028	124.98744	431	503.85	-15.88	0	547.63	547.08	546.53	545.98	545.43	
6	108	18.40	53.00	64.90128	124.98871	429	504.00	-15.81	0	547.58	547.03	546.48	545.93	545.39	
6	106	18.45	53.13	64.90345	124.99148	425	504.14	-15.66	0	547.30	546.76	546.22	545.68	545.13	
6	104	18.52	53.20	64.90558	124.99410	427	504.21	-15.52	0	547.36	546.81	546.27	545.72	545.18	
6	102	18.57	53.14	64.90778	124.99665	433	504.15	-15.36	0	547.53	546.98	546.43	545.87	545.32	
34	1527	18.85	53.00	64.88445	124.96695	420	504.00	-16.99	0	548.16	547.63	547.09	546.56	546.02	

MAP AREA

BOUGIER CALCULATIONS FOR AQUITAINE

LINE35 INITIAL BASE 1662 VALUE 505.30 LINE35 FINAL BASE 1662 VALUE 505.30

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGIER ANOMALIES				
---	---	---	---	---	---	---	---	---	---	2.0	2.30	2.40	2.50	2.60 2.70
										G/CC				
35	1662	12.85	54.22	64.89253	124.89153	431	505.30	-16.42	0	549.61	549.06	548.51	547.96	547.41
35	1659	12.93	53.60	64.88904	124.88893	430	504.65	-16.67	0	549.14	548.59	548.04	547.49	546.94
35	1656	13.00	53.05	64.88548	124.88649	430	504.06	-16.91	0	548.81	548.26	547.71	547.16	546.61
35	1653	13.05	52.95	64.88220	124.88357	426	503.96	-17.14	0	548.67	548.13	547.58	547.04	546.49
35	1650	13.10	52.63	64.87881	124.88095	425	503.62	-17.38	0	548.50	547.96	547.42	546.88	546.33
35	1647	13.17	51.65	64.87532	124.87831	432	502.59	-17.62	0	548.16	547.61	547.06	546.51	545.96
35	1645	13.25	51.33	64.87295	124.87637	433	502.25	-17.79	0	548.06	547.50	546.95	546.40	545.85
35	1642	13.28	50.93	64.86950	124.87367	432	501.83	-18.03	0	547.81	547.26	546.71	546.16	545.60
35	1641	13.33	50.58	64.86836	124.87286	433	501.46	-18.11	0	547.58	547.03	546.48	545.93	545.37
35	1638	13.40	50.12	64.86477	124.87007	434	500.97	-18.36	0	547.41	546.86	546.31	545.75	545.20
35	1635	13.47	49.50	64.86134	124.86740	435	500.32	-18.59	0	547.06	546.51	545.95	545.40	544.84
35	1632	13.53	48.82	64.85796	124.86471	434	499.60	-18.83	0	546.51	545.96	545.41	544.85	544.30
35	1629	13.67	48.31	64.85459	124.86216	433	499.06	-19.06	0	546.15	545.59	545.04	544.49	543.94
35	1626	13.73	47.65	64.85120	124.85922	434	498.36	-19.30	0	545.75	545.20	544.64	544.09	543.54
35	1623	14.42	46.45	64.84768	124.85658	442	497.10	-19.55	0	545.25	544.68	544.12	543.55	542.99
35	1662	14.78	54.22	64.89253	124.89153	431	505.30	-16.42	0	549.61	549.06	548.51	547.96	547.41
35	1689	15.37	56.73	64.92319	124.91532	434	507.95	-14.29	0	550.33	549.77	549.22	548.66	548.11
35	1686	15.43	56.02	64.91973	124.91272	444	507.20	-14.53	0	550.46	549.90	549.33	548.76	548.20
35	1683	15.48	55.99	64.91630	124.90995	440	507.17	-14.77	0	550.41	549.85	549.29	548.73	548.17
35	1680	16.03	55.37	64.91296	124.90741	444	506.51	-15.00	0	550.25	549.68	549.12	548.55	547.98
35	1677	16.08	55.53	64.90944	124.90461	433	506.68	-15.25	0	549.95	549.40	548.85	548.29	547.74
35	1674	16.13	55.30	64.90610	124.90226	426	506.44	-15.48	0	549.49	548.94	548.40	547.86	547.31
35	1671	16.20	54.96	64.90262	124.89929	431	506.08	-15.72	0	549.69	549.14	548.59	548.04	547.49
35	1668	16.27	54.82	64.89921	124.89663	429	505.93	-15.96	0	549.65	549.11	548.56	548.01	547.46
35	1665	16.33	54.68	64.89587	124.89401	427	505.79	-16.19	0	549.61	549.06	548.52	547.97	547.43
35	1662	16.42	54.22	64.89253	124.89153	431	505.30	-16.42	0	549.61	549.06	548.51	547.96	547.41

MAP AREA

BOUGUER CALCULATIONS FOR AQUITAINE

LINE35 INITIAL BASE 1626 VALUE 498.28 LINE35 FINAL BASE 1626 VALUE 498.28

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGUER ANOMALIES				
										2.0 G/CC	2.30	2.40	2.50	2.60
35	1626	17.00	47.62	64.85120	124.85922	434	498.28	-19.30	0	545.67	545.11	544.56	544.00	543.45
35	1620	17.20	46.30	64.84481	124.85452	437	496.88	-19.75	0	544.91	544.35	543.79	543.24	542.68
35	1617	17.35	46.15	64.84149	124.85158	433	496.72	-19.98	0	544.72	544.17	543.61	543.06	542.51
35	1614	17.43	45.78	64.83817	124.84908	430	496.33	-20.21	0	544.37	543.82	543.27	542.72	542.17
35	1611	17.50	45.82	64.83472	124.84660	422	496.37	-20.45	0	544.13	543.59	543.05	542.51	541.98
35	1608	17.58	46.27	64.83120	124.84379	409	496.85	-20.69	0	544.01	543.48	542.96	542.44	541.92
35	1605	17.67	46.33	64.82781	124.84094	403	496.91	-20.93	0	543.92	543.40	542.89	542.37	541.86
35	1602	17.73	45.95	64.82434	124.83827	405	496.51	-21.17	0	543.89	543.37	542.85	542.34	541.82
35	1599	17.78	44.88	64.82099	124.83553	421	495.38	-21.41	0	544.02	543.49	542.95	542.41	541.88
35	1596	17.87	44.10	64.81749	124.83281	432	494.55	-21.65	0	544.16	543.60	543.05	542.50	541.95
35	1593	17.93	43.53	64.81407	124.83048	430	493.95	-21.89	0	543.66	543.11	542.56	542.02	541.47
35	1590	18.00	43.50	64.81076	124.82765	436	493.91	-22.12	0	544.25	543.69	543.14	542.58	542.02
35	1587	18.07	43.59	64.80738	124.82498	430	494.01	-22.35	0	544.19	543.64	543.09	542.54	541.99
35	1584	18.15	43.88	64.80386	124.82216	422	494.31	-22.60	0	544.22	543.68	543.15	542.61	542.07
35	1581	18.22	43.72	64.80054	124.81941	417	494.14	-22.83	0	543.96	543.43	542.90	542.36	541.83
35	1578	18.28	43.39	64.79706	124.81660	418	493.79	-23.07	0	543.92	543.38	542.85	542.32	541.78
35	1626	18.97	47.65	64.85120	124.85922	434	498.28	-19.30	0	545.67	545.11	544.56	544.00	543.45

MAP AREA

BOUGUER CALCULATIONS FOR AQUITAINE

LINE35 INITIAL BASE 1606

VALUE 497.42

LINE35

FINAL BASE 1606

VALUE 497.42

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGIER ANOMALIES					
----	----	----	----	----	----	----	----	----	----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
35	1606	14.88	46.85	64.82892	124.84187	394	497.42	-20.85	0						
36	1733	14.95	46.83	64.82949	124.84192	399	497.40	-20.81	0	543.77	543.27	542.76	542.26	541.76	
36	1730	15.05	45.89	64.83104	124.83431	411	496.41	-20.71	0	544.03	543.52	543.01	542.50	542.00	
36	1727	15.13	45.17	64.83248	124.82683	418	495.65	-20.60	0	543.71	543.18	542.66	542.14	541.61	
36	1724	15.20	45.05	64.83403	124.81882	413	495.52	-20.50	0	543.30	542.77	542.23	541.70	541.17	
36	1721	15.30	44.24	64.83542	124.81121	419	494.66	-20.40	0	542.74	542.22	541.69	541.16	540.63	
36	1718	15.40	44.12	64.83687	124.80335	413	494.54	-20.30	0	542.18	541.64	541.11	540.58	540.04	
36	1715	15.50	43.49	64.83837	124.79573	415	493.87	-20.19	0	541.56	541.04	540.51	539.98	539.46	
36	1712	15.58	43.10	64.83980	124.78803	409	493.46	-20.09	0	540.92	540.39	539.86	539.33	538.80	
36	1709	15.67	40.89	64.84128	124.78027	420	491.13	-19.99	0	540.02	539.50	538.98	538.46	537.94	
36	1706	15.75	39.25	64.84277	124.77245	425	489.40	-19.89	0	538.30	537.76	537.23	536.69	536.16	
36	1703	15.83	38.28	64.84437	124.76481	422	488.37	-19.78	0	536.79	536.25	535.70	535.16	534.62	
36	1700	15.90	38.73	64.84576	124.75700	428	488.85	-19.68	0	535.46	534.92	534.38	533.84	533.30	
35	1606	16.85	46.85	64.82892	124.84187	394	497.42	-20.85	0	536.22	535.68	535.13	534.59	534.04	
36	1736	0							0	543.77	543.27	542.76	542.26	541.76	
36	1739	17.12	47.42	64.82648	124.85755	388	498.02	-21.02	0	544.15	543.66	543.16	542.67	542.17	
36	1742	17.18	46.44	64.82509	124.86493	401	496.99	-21.12	0	544.06	543.54	543.03	542.52	542.01	
36	1745	17.25	47.22	64.82344	124.87291	400	497.81	-21.23	0	544.93	544.42	543.91	543.40	542.89	
36	1748	17.33	47.09	64.82195	124.88028	397	497.67	-21.34	0	544.70	544.20	543.69	543.18	542.68	
36	1751	17.38	45.73	64.82101	124.88562	400	496.24	-21.40	0	544.93	544.42	543.91	543.40	542.89	
36	1754	17.45	45.57	64.81907	124.89537	424	496.07	-21.54	0	543.53	543.02	542.51	542.00	541.49	
35	1606	17.77	46.85	64.82892	124.84187	394	497.42	-20.85	0	545.05	544.51	543.96	543.42	542.88	
									0	543.77	543.27	542.76	542.26	541.76	

MAP AREA

BOUGIER CALCULATIONS FOR AQUITAINE

LINE35 INITIAL BASE 1606 VALUE 497.42 LINE35 FINAL BASE 1606 VALUE 497.42

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TERR	BOUGIER ANOMALIES				
										2.0 G/CC	2.30	2.40	2.50	2.60
35	1606	14.88	46.85	64.82892	124.84187	394	497.42	-20.85	0	543.77	543.27	542.76	542.26	541.76
36	1705	16.18	38.51	64.84328	124.76986	426	488.62	-19.85	0	536.04	535.49	534.95	534.41	533.86
36	1707	16.25	39.63	64.84221	124.77515	426	489.80	-19.93	0	537.29	536.75	536.21	535.66	535.12
36	1708	16.30	40.00	64.84179	124.77753	428	490.19	-19.96	0	537.84	537.30	536.75	536.20	535.66
36	1709	16.35	40.89	64.84127	124.78015	425	491.13	-19.99	0	538.62	538.08	537.54	537.00	536.45
36	1710	16.40	41.66	64.84081	124.78262	419	491.94	-20.02	0	539.08	538.55	538.01	537.48	536.94
36	1711	16.45	42.77	64.84033	124.78526	409	493.11	-20.06	0	539.64	539.12	538.59	538.07	537.55
35	1606	16.85	46.85	64.82892	124.84187	394	497.42	-20.85	0	543.77	543.27	542.76	542.26	541.76

MAP AREA

BOUGUER CALCULATIONS FOR AQUITAINE

LINE35 INITIAL BASE 1626 VALUE 498.28 LINE35 FINAL BASE 1626 VALUE 498.28

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGUER ANOMALIES				
---	---	---	---	---	---	---	---	---	---	2.0	2.30	2.40	2.50	2.60 2.70
										G/CC				
35	1626	15.43	47.68	64.85120	124.85922	434	498.28	-19.30	0	545.67	545.11	544.56	544.00	543.45
4	180	15.48	47.73	64.85026	124.86770	437	498.33	-19.37	0	545.98	545.42	544.86	544.31	543.75
4	189	15.57	47.13	64.85287	124.84315	436	497.70	-19.18	0	545.10	544.54	543.99	543.43	542.87
4	194	15.68	47.17	64.85426	124.82960	430	497.74	-19.09	0	544.66	544.11	543.56	543.01	542.46
4	196	15.77	47.00	64.85480	124.82411	427	497.56	-19.04	0	544.24	543.69	543.15	542.60	542.06
4	197	15.82	47.27	64.85520	124.82133	420	497.85	-19.02	0	544.05	543.51	542.98	542.44	541.90
4	199	15.87	48.19	64.85580	124.81581	402	498.82	-18.98	0	543.81	543.30	542.79	542.27	541.76
4	208	16.03	47.24	64.85837	124.79127	403	497.82	-18.80	0	542.70	542.18	541.67	541.15	540.64
4	209	16.10	46.75	64.85873	124.78857	406	497.30	-18.78	0	542.35	541.83	541.31	540.79	540.28
4	210	16.15	46.45	64.85900	124.78586	409	496.98	-18.78	0	542.20	541.68	541.16	540.63	540.11
4	211	16.20	46.16	64.85933	124.78340	412	496.68	-18.73	0	542.07	541.55	541.02	540.49	539.97
4	213	16.25	45.66	64.85990	124.77792	416	496.15	-18.69	0	541.76	541.23	540.70	540.17	539.64
4	214	16.30	45.26	64.86021	124.77503	420	495.73	-18.67	0	541.58	541.04	540.51	539.97	539.43
4	215	16.37	45.14	64.86055	124.77221	420	495.60	-18.65	0	541.43	540.89	540.36	539.82	539.28
4	216	16.43	44.71	64.86076	124.76952	424	495.14	-18.63	0	541.22	540.68	540.14	539.59	539.05
4	219	16.50	43.89	64.86174	124.76124	432	494.28	-18.57	0	540.80	540.25	539.70	539.15	538.60
4	220	16.55	43.73	64.86203	124.75866	434	494.11	-18.55	0	540.74	540.19	539.63	539.08	538.53
35	1626	17.15	47.68	64.85120	124.85922	434	498.28	-19.30	0	545.67	545.11	544.56	544.00	543.45

MAP AREA

ROUGHER CALCULATIONS FOR AQUITAINE

LINE36 INITIAL BASE 1751 VALUE 496.23 LINE36 FINAL BASE 1751 VALUE 496.23

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	ROUGHER ANOMALIES				
										2.0 G/CC	2.30	2.40	2.50	2.60 2.70
36	1751	11.97	45.82	64.82101	124.88562	400	496.23	-21.40	0	543.52	543.01	542.50	541.99	541.48
6	176	12.20	47.57	64.82919	124.89910	406	498.08	-20.83	0	545.18	544.67	544.15	543.63	543.11
6	179	12.27	46.66	64.82599	124.89501	412	497.12	-21.06	0	544.84	544.31	543.78	543.26	542.73
6	182	12.33	45.18	64.82279	124.89163	432	495.55	-21.28	0	544.79	544.24	543.69	543.14	542.59
6	185	12.42	46.64	64.81960	124.88717	410	497.10	-21.50	0	545.13	544.61	544.08	543.56	543.04
6	188	12.48	47.21	64.81643	124.88310	408	497.70	-21.72	0	545.82	545.30	544.78	544.26	543.74
6	189	12.55	46.86	64.81535	124.88171	411	497.33	-21.80	0	545.72	545.20	544.67	544.15	543.63
6	193	12.63	45.22	64.81119	124.87659	435	495.60	-22.09	0	545.84	545.28	544.73	544.17	543.62
6	194	12.70	44.62	64.81012	124.87531	441	495.03	-22.16	0	545.73	545.17	544.60	544.04	543.48
6	197	12.77	43.81	64.80692	124.87120	453	494.11	-22.39	0	545.81	545.23	544.65	544.08	543.50
6	200	12.83	45.65	64.80369	124.86709	426	496.05	-22.61	0	546.23	545.69	545.14	544.60	544.06
36	1751	13.12	45.82	64.82101	124.88562	400	496.23	-21.40	0	543.52	543.01	542.50	541.99	541.48

MAP AREA

BOUGUER CALCULATIONS FOR AQUITAINE

LINE 6 INITIAL BASE 200 VALUE 496.05 LINE 6 FINAL BASE 200 VALUE 496.05

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGUER ANOMALIES				
										2.0 G/CC	2.30	2.40	2.50	2.60
6	200	13.72	45.65	64.80369	124.86709	426	496.05	-22.61	0	546.23	545.69	545.14	544.60	544.06
3	218	14.80	40.32	64.81476	124.76211	414	490.44	-21.84	0	539.07	538.54	538.01	537.49	536.96
3	215	14.80	37.32	64.81364	124.77022	421	487.27	-21.92	0	536.44	535.90	535.36	534.82	534.29
3	212	14.93	35.90	64.81255	124.77848	422	485.79	-21.99	0	535.08	534.54	534.00	533.46	532.92
3	209	15.00	36.33	64.81150	124.78637	426	486.23	-22.07	0	535.87	535.32	534.78	534.23	533.69
3	206	15.08	39.97	64.81037	124.79443	426	490.07	-22.15	0	539.79	539.24	538.70	538.16	537.61
3	200	15.18	42.31	64.80817	124.81038	426	492.55	-22.30	0	542.41	541.87	541.33	540.78	540.24
3	199	15.23	42.70	64.80790	124.81302	426	492.96	-22.32	0	542.84	542.30	541.76	541.21	540.67
3	196	15.28	43.68	64.80675	124.82103	427	493.99	-22.40	0	544.02	543.48	542.93	542.39	541.84
3	193	15.42	44.06	64.80601	124.82654	424	494.40	-22.45	0	544.28	543.74	543.20	542.66	542.12
3	192	15.47	44.51	64.80564	124.82936	421	494.87	-22.48	0	544.59	544.05	543.52	542.98	542.44
3	190	15.53	45.05	64.80492	124.83468	416	495.44	-22.53	0	544.89	544.36	543.83	543.30	542.77
3	187	15.60	45.44	64.80383	124.84263	417	495.86	-22.60	0	545.44	544.91	544.38	543.85	543.31
3	185	15.65	44.87	64.80318	124.84790	432	495.25	-22.65	0	545.86	545.31	544.76	544.20	543.65
3	183	15.72	45.07	64.80245	124.85317	429	495.47	-22.70	0	545.93	545.38	544.83	544.28	543.74
3	181	15.80	45.23	64.80170	124.85844	429	495.64	-22.75	0	546.15	545.60	545.05	544.51	543.96
6	200	15.88	45.62	64.80369	124.86709	426	496.05	-22.61	0	546.23	545.69	545.14	544.60	544.06

MAP AREA

BOUGIER CALCULATIONS FOR AQUITAINE

LINE 6 INITIAL BASE 200 VALUE 496.05 LINE 6 FINAL BASE 200 VALUE 496.05

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELFV	OR GRAV	NORM GRAV	TERR	BOUGIER ANOMALIES					
----	----	----	-----	-----	-----	-----	--	-----	-----	-----	-----	-----	-----	-----	
										2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
6	200	15.88	45.62	64.80369	124.86709	426	496.05	-22.61	0	546.23	545.69	545.14	544.60	544.06	
6	204	16.75	45.48	64.79959	124.86197	427	495.91	-22.90	0	546.44	545.89	545.35	544.80	544.26	
3	179	16.83	45.45	64.80090	124.86426	421	495.88	-22.81	0	545.93	545.39	544.85	544.32	543.78	
3	176	17.08	44.42	64.79986	124.87232	440	494.79	-22.88	0	546.14	545.58	545.02	544.46	543.90	
3	173	17.15	43.28	64.79871	124.88058	458	493.59	-22.96	0	546.19	545.60	545.02	544.43	543.85	
3	170	17.25	43.03	64.79765	124.88837	461	493.32	-23.03	-0.01	546.18	545.59	545.01	544.42	543.83	
6	200	17.53	45.61	64.80369	124.86709	426	496.05	-22.61	0	546.23	545.69	545.14	544.60	544.06	

MAP AREA

BOUGIER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 439 VALUE 520.85 LINE22 FINAL BASE 439 VALUE 520.85

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGIER ANOMALIES				
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0 G/CC	2.30	2.40	2.50	2.60 2.70
22	439	17.48	69.25	65.03087	124.94465	375	520.85	-6.82	0	551.94	551.46	550.98	550.50	550.02
32	893	17.60	69.08	65.03002	124.95211	375	520.67	-6.88	0	551.82	551.34	550.86	550.38	549.90
32	896	17.68	68.87	65.02893	124.96012	372	520.45	-6.95	0	551.48	551.01	550.53	550.06	549.58
32	899	17.73	68.61	65.02784	124.96790	375	520.18	-7.03	0	551.48	551.00	550.52	550.04	549.56
32	902	17.78	68.67	65.02672	124.97643	371	520.25	-7.11	0	551.36	550.89	550.41	549.94	549.47
32	905	17.83	69.07	65.02563	124.98412	361	520.67	-7.18	0	551.21	550.75	550.29	549.83	549.37
32	908	17.88	68.53	65.02452	124.99226	361	520.10	-7.25	0	550.72	550.26	549.80	549.33	548.87
32	911	17.95	68.30	65.02340	125.00003	360	519.86	-7.34	0	550.49	550.03	549.57	549.12	548.66
32	915	18.05	67.70	65.02186	125.01317	360	519.23	-7.44	0	549.97	549.51	549.05	548.59	548.13
32	917	18.12	66.79	65.02113	125.01845	371	518.27	-7.49	0	549.77	549.30	548.83	548.35	547.88
32	920	18.17	66.88	65.01998	125.02678	365	518.37	-7.57	0	549.56	549.10	548.63	548.16	547.70
32	923	18.22	65.83	65.01890	125.03444	373	517.26	-7.65	0	549.05	548.57	548.09	547.62	547.14
32	926	18.28	66.74	65.01772	125.04273	357	518.22	-7.73	0	549.06	548.60	548.14	547.69	547.23
32	929	18.37	66.46	65.01660	125.05076	354	517.93	-7.81	0	548.65	548.19	547.74	547.29	546.84
32	933	18.50	66.82	65.01519	125.06149	337	518.31	-7.91	0	548.03	547.60	547.17	546.74	546.31
32	935	18.55	65.20	65.01441	125.06679	351	516.61	-7.96	0	547.28	546.83	546.38	545.94	545.49
32	938	18.60	64.60	65.01329	125.07583	360	515.97	-8.04	0	547.31	546.85	546.39	545.93	545.47
32	941	18.68	64.95	65.01209	125.08293	345	516.35	-8.12	0	546.79	546.35	545.91	545.47	545.03
22	439	19.32	69.20	65.03087	124.94465	375	520.85	-6.82	0	551.94	551.46	550.98	550.50	550.02

MAP AREA

ROUGHIER CALCULATIONS FOR AQUITAINE

LINE33 INITIAL BASE 1400 VALUE 512.77 LINE33 FINAL BASE 1400 VALUE 512.77

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	ROUGHER ANOMALIES					
----	----	----	----	----	----	----	----	----	----	2.0	2.30	2.40	2.50	2.60	2.70
									G/CC						
33	1400	12.73	61.32	64.95651	124.88097	401	512.77	-11.98	0	550.70	550.18	549.67	549.16	548.65	
33	1403	12.92	61.80	64.95919	124.88649	393	513.28	-11.79	-0.00	550.50	550.00	549.49	548.99	548.49	
33	1406	13.02	61.43	64.96192	124.89215	403	512.89	-11.60	-0.01	550.56	550.05	549.53	549.02	548.50	
33	1409	13.08	61.88	64.96456	124.89807	401	513.36	-11.42	0	550.73	550.22	549.71	549.20	548.68	
33	1412	13.15	61.92	64.96716	124.90365	400	513.41	-11.24	0	550.53	550.02	549.51	549.00	548.49	
33	1415	13.25	62.00	64.97001	124.90931	402	513.49	-11.04	0	550.55	550.03	549.52	549.01	548.49	
33	1417	13.33	62.87	64.97189	124.91306	393	514.41	-10.91	0	550.75	550.25	549.75	549.25	548.75	
33	1421	13.45	63.03	64.97668	124.92107	381	514.58	-10.58	0	549.81	549.33	548.84	548.35	547.87	
33	1424	13.63	64.22	64.97947	124.92609	376	515.84	-10.38	0	550.55	550.07	549.59	549.11	548.63	
33	1427	13.72	67.47	64.98234	124.93102	323	519.27	-10.18	0	550.35	549.94	549.53	549.12	548.71	
33	1430	13.83	70.31	64.98534	124.93592	295	522.27	-9.98	-0.00	551.33	550.95	550.57	550.20	549.82	
33	1400	14.20	61.31	64.95651	124.88097	401	512.77	-11.98	0	550.70	550.18	549.67	549.16	548.65	

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE33 INITIAL BASE 1400 VALUE 512.77 LINE33 FINAL BASE 1400 VALUE 512.77

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES					
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
33	1400	14.20	61.31	64.95651	124.88097	401	512.77	-11.98	0	550.70	550.18	549.67	549.16	548.65	
33	1433	14.77	65.62	64.98828	124.94102	368	517.33	-9.77	0	550.91	550.44	549.98	549.51	549.04	
33	1436	14.85	64.47	64.99108	124.94599	381	516.12	-9.58	0	550.35	549.86	549.38	548.89	548.40	
33	1439	14.92	64.53	64.99407	124.95105	387	516.18	-9.37	0	550.59	550.10	549.61	549.11	548.62	
33	1442	14.98	65.07	64.99697	124.95608	385	516.75	-9.17	0	550.83	550.34	549.85	549.36	548.87	
33	1445	15.05	66.18	64.99995	124.96120	368	517.92	-8.96	0	550.70	550.23	549.76	549.29	548.82	
33	1400	15.52	61.29	64.95651	124.88097	401	512.77	-11.98	0	550.70	550.18	549.67	549.16	548.65	

MAP AREA

BOUGUER CALCULATIONS FOR 'AQUITAINE

LINE33 INITIAL BASE 1370 VALUE 511.58 LINE33 FINAL BASE 1370 VALUE 511.58

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES					
										2.0 G/CC	2.30	2.40	2.50	2.60	2.70
33	1370	9.15	60.22	64.92963	124.82427	389	511.58	-13.84	0	550.60	550.10	549.60	549.11	548.61	
7	228	9.22	59.99	64.92845	124.82921	392	511.34	-13.93	0	550.63	550.13	549.63	549.13	548.63	
7	225	9.28	59.62	64.92725	124.83720	398	510.95	-14.01	0	550.71	550.21	549.70	549.19	548.68	
7	222	9.33	59.32	64.92602	124.84528	403	510.63	-14.09	0	550.81	550.29	549.78	549.26	548.75	
7	219	9.42	58.47	64.92483	124.85300	412	509.74	-14.18	0	550.58	550.05	549.52	549.00	548.47	
7	216	9.48	58.14	64.92360	124.86115	416	509.39	-14.26	0	550.57	550.04	549.51	548.98	548.45	
7	213	9.53	57.58	64.92245	124.86926	425	508.80	-14.34	0	550.65	550.10	549.56	549.02	548.48	
7	210	9.60	56.99	64.92124	124.87705	433	508.18	-14.43	0	550.63	550.07	549.52	548.97	548.42	
7	207	9.65	56.14	64.92001	124.88502	443	507.28	-14.51	0	550.46	549.90	549.33	548.77	548.20	
7	204	9.72	56.20	64.91881	124.89313	441	507.35	-14.60	0	550.48	549.92	549.35	548.79	548.23	
7	200	9.78	55.80	64.91709	124.90346	448	506.92	-14.72	0	550.63	550.06	549.49	548.92	548.34	
7	198	9.83	56.10	64.91644	124.90885	442	507.24	-14.76	0	550.61	550.04	549.48	548.91	548.35	
7	196	9.88	56.19	64.91561	124.91441	437	507.34	-14.82	0	550.44	549.88	549.32	548.76	548.21	
7	192	9.93	55.73	64.91397	124.92490	436	506.85	-14.93	0	550.00	549.44	548.89	548.33	547.77	
7	189	9.98	55.92	64.91276	124.93254	430	507.05	-15.02	0	549.90	549.35	548.80	548.25	547.70	
7	186	10.03	55.58	64.91164	124.94045	429	506.70	-15.09	0	549.55	549.01	548.46	547.91	547.36	
7	183	10.08	55.31	64.91038	124.94858	429	506.41	-15.18	0	549.36	548.81	548.26	547.71	547.17	
7	180	10.15	55.08	64.90923	124.95642	426	506.17	-15.26	0	549.00	548.46	547.91	547.37	546.83	
7	177	10.18													
7	174	10.23	54.17	64.90682	124.97246	427	505.21	-15.43	0	548.27	547.73	547.18	546.64	546.09	
7	171	10.28	53.89	64.90557	124.98033	424	504.92	-15.52	0	547.87	547.33	546.79	546.25	545.71	
7	167	10.35	53.11	64.90395	124.99086	423	504.09	-15.63	0	547.10	546.56	546.02	545.48	544.94	
7	165	10.40	52.97	64.90323	124.99649	425	503.95	-15.68	0	547.13	546.59	546.04	545.50	544.96	
7	162	10.47	52.73	64.90215	125.00624	426	503.70	-15.75	0	547.02	546.47	545.93	545.39	544.84	
33	1370	11.07	60.19	64.92963	124.82427	389	511.58	-13.84	0	550.60	550.10	549.60	549.11	548.61	

MAP AREA

ROUGHIER CALCILATIONS FOR AQUITAINE

LINE33 INITIAL BASE 1370 VALUE 511.58 LINE33 FINAL BASE 1370 VALUE 511.58

MFTER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	ROUGHIER ANOMALIES					
----	----	----	-----	-----	-----	----	-----	-----	-----	2.0 G/CC	2.30	2.40	2.50	2.60	2.70
33	1370	16.75	60.16	64.92963	124.82427	389	511.58	-13.84	0	550.60	550.10	549.60	549.11	548.61	
33	1352	17.00	57.77	64.91354	124.79080	392	509.05	-14.96	0	549.38	548.88	548.38	547.88	547.38	
33	1355	17.07	58.52	64.91626	124.79624	386	509.84	-14.77	0	549.60	549.10	548.61	548.12	547.63	
33	1359	17.13	60.22	64.91974	124.80369	371	511.64	-14.53	0	550.18	549.70	549.23	548.76	548.28	
33	1361	17.22	60.82	64.92151	124.80738	367	512.27	-14.41	0	550.43	549.96	549.49	549.02	548.56	
33	1364	17.28	59.91	64.92416	124.81292	390	511.31	-14.22	0	550.77	550.27	549.78	549.28	548.78	
33	1367	17.37	60.05	64.92700	124.81877	390	511.46	-14.03	0	550.72	550.22	549.73	549.23	548.73	
33	1370	17.43	60.16	64.92963	124.82427	389	511.57	-13.84	0	550.59	550.09	549.60	549.10	548.60	
33	1373	17.50	60.69	64.93246	124.83029	392	512.13	-13.65	0	551.14	550.64	550.14	549.66	549.14	
33	1376	17.57	60.36	64.93504	124.83641	401	511.78	-13.47	0	551.20	550.69	550.18	549.66	549.15	
33	1379	17.63	60.87	64.93779	124.84154	396	512.32	-13.28	0	551.22	550.72	550.21	549.71	549.20	
33	1382	17.72	60.03	64.94042	124.84731	409	511.43	-13.09	0	550.99	550.47	549.95	549.43	548.90	
33	1385	17.77	59.90	64.94317	124.85282	414	511.29	-12.90	0	550.99	550.46	549.93	549.40	548.87	
33	1388	17.88	60.55	64.94575	124.85861	404	511.98	-12.72	0	550.85	550.33	549.81	549.30	548.78	
33	1391	17.95	61.20	64.94845	124.86426	397	512.66	-12.54	0	550.89	550.38	549.88	549.37	548.86	
33	1394	18.03	60.74	64.95107	124.86983	407	512.18	-12.35	0	550.87	550.35	549.83	549.31	548.79	
33	1398	18.12	60.72	64.95466	124.87718	408	512.15	-12.11	0	550.66	550.14	549.62	549.10	548.58	
33	1370	18.48	60.18	64.92963	124.82427	389	511.58	-13.84	0	550.60	550.10	549.60	549.11	548.61	

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE33 INITIAL BASE 1370 VALUE 511.58 LINE33 FINAL BASE 1370 VALUE 511.58

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES					
----	----	----	----	-----	-----	----	-----	-----	----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
33	1370	16.75	60.16	64.92963	124.82427	389	511.58	-13.84	0	550.60	550.10	549.60	549.11	548.61	
33	1352	17.00	57.77	64.91356	124.79080	392	509.05	-14.96	0	549.38	548.88	548.38	547.88	547.38	
33	1355	17.07	58.52	64.91626	124.79624	386	509.84	-14.77	0	549.60	549.10	548.61	548.12	547.63	
33	1359	17.13	60.22	64.91974	124.80369	371	511.64	-14.53	0	550.18	549.70	549.23	548.76	548.28	
33	1361	17.22	60.82	64.92151	124.80738	367	512.27	-14.41	0	550.43	549.96	549.49	549.02	548.56	
33	1364	17.28	59.91	64.92416	124.81292	390	511.31	-14.22	0	550.77	550.27	549.78	549.28	548.78	
33	1367	17.37	60.05	64.92700	124.81877	390	511.46	-14.03	0	550.72	550.22	549.73	549.23	548.73	
33	1370	17.43	60.16	64.92963	124.82427	389	511.57	-13.84	0	550.59	550.09	549.60	549.10	548.60	
33	1373	17.50	60.69	64.93246	124.83029	392	512.13	-13.65	0	551.14	550.64	550.14	549.64	549.14	
33	1376	17.57	60.36	64.93504	124.83641	401	511.78	-13.47	0	551.20	550.69	550.18	549.66	549.15	
33	1379	17.63	60.87	64.93779	124.84154	396	512.32	-13.28	0	551.22	550.72	550.21	549.71	549.20	
33	1382	17.72	60.03	64.94042	124.84731	409	511.43	-13.09	0	550.99	550.47	549.95	549.43	548.90	
33	1385	17.77	59.90	64.94317	124.85282	414	511.29	-12.90	0	550.99	550.46	549.93	549.40	548.87	
33	1388	17.88	60.55	64.94575	124.85861	404	511.98	-12.72	0	550.85	550.33	549.81	549.30	548.78	
33	1391	17.95	61.20	64.94845	124.86426	397	512.66	-12.54	0	550.89	550.38	549.88	549.37	548.86	
33	1394	18.03	60.74	64.95107	124.86983	407	512.18	-12.35	0	550.87	550.35	549.83	549.31	548.79	
33	1398	18.12	60.72	64.95466	124.87718	408	512.15	-12.11	0	550.66	550.14	549.62	549.10	548.58	
33	1370	18.48	60.18	64.92963	124.82427	389	511.58	-13.84	0	550.60	550.10	549.60	549.11	548.61	

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE34 INITIAL BASE 1527 VALUE 504.00 LINE34 FINAL BASE 1527 VALUE 504.00

METER CONSTANT 1.0556000

LINE	STAT	TIME	METE0	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES				
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60 2.70
										G/CC				
34	1527	13.20	53.00	64.88445	124.96695	420	504.00	-16.99	0	548.16	547.63	547.09	546.56	546.02
34	1521	13.27	52.70	64.88529	124.95873	431	503.68	-16.93	0	548.50	547.95	547.40	546.85	546.30
34	1512	13.42	53.66	64.88660	124.94642	424	504.70	-16.84	0	548.97	548.43	547.89	547.35	546.81
34	1509	13.47	53.08	64.88703	124.94236	431	504.08	-16.81	0	548.78	548.23	547.68	547.13	546.58
34	1503	13.53	53.23	64.88792	124.93427	439	504.24	-16.74	0	549.40	548.84	548.28	547.72	547.15
34	1497	13.58	53.28	64.88891	124.92548	440	504.30	-16.68	0	549.44	548.88	548.32	547.76	547.20
34	1491	13.63	53.70	64.88962	124.91784	436	504.74	-16.63	0	549.58	549.02	548.47	547.91	547.35
34	1485	13.70	54.04	64.89055	124.90966	433	505.10	-16.56	0	549.68	549.13	548.57	548.02	547.47
34	1479	13.75	53.95	64.89144	124.90158	434	505.00	-16.50	0	549.59	549.03	548.48	547.93	547.37
34	1473	13.80	54.91	64.89232	124.89322	432	506.02	-16.44	0	550.41	549.86	549.31	548.76	548.20
34	1467	13.87	54.29	64.89316	124.88513	431	505.36	-16.38	0	549.63	549.08	548.53	547.98	547.43
34	1461	13.93	54.44	64.89397	124.87695	434	505.52	-16.32	0	549.93	549.37	548.82	548.27	547.71
34	1455	14.00	53.91	64.89498	124.86870	436	504.96	-16.25	0	549.43	548.87	548.32	547.76	547.20
34	1527	14.95	53.00	64.88445	124.96695	420	504.00	-16.99	0	548.16	547.63	547.09	546.56	546.02
34	1563	15.43	51.70	64.87895	125.01771	393	502.63	-17.37	0	545.43	544.93	544.43	543.92	543.42
34	1557	15.50	51.93	64.87986	125.00903	403	502.87	-17.31	0	546.25	545.74	545.23	544.71	544.20
34	1551	15.63	51.32	64.88077	125.00035	420	502.23	-17.24	0	546.65	546.11	545.58	545.04	544.50
34	1545	15.82	51.45	64.88168	124.99167	426	502.36	-17.18	0	547.11	546.57	546.02	545.48	544.94
34	1541	15.97	52.37	64.88224	124.98611	417	503.33	-17.14	0	547.46	546.93	546.40	545.86	545.33
34	1536	16.27	52.67	64.88299	124.97943	415	503.65	-17.09	0	547.59	547.06	546.54	546.01	545.48
34	1533	16.53	52.15	64.88343	124.97541	419	503.10	-17.06	0	547.27	546.74	546.20	545.67	545.14
34	1527	16.80	53.00	64.88445	124.96695	420	504.00	-16.99	0	548.16	547.63	547.09	546.56	546.02

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE34 INITIAL BASE 1527

VALUE 504.00

LINE34

FINAL BASE 1527

VALUE 504.00

AFTER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELFV	OR GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES					
----	----	----	----	----	----	----	----	----	----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
34	1527	17.82	53.05	64.88445	124.96695	420	504.00	-16.99	0	548.16	547.63	547.09	546.56	546.02	
6	128	18.20	52.82	64.88008	124.96257	415	503.76	-17.29	0	547.90	547.37	546.84	546.31	545.78	
6	130	18.25	52.47	64.87789	124.95977	416	503.39	-17.44	0	547.75	547.22	546.69	546.16	545.63	
6	132	18.30	52.38	64.87591	124.95731	417	503.29	-17.58	0	547.86	547.33	546.79	546.26	545.73	
6	135	18.38	52.19	64.87264	124.95334	416	503.09	-17.81	0	547.82	547.29	546.76	546.23	545.70	
6	138	18.43	52.13	64.86945	124.94942	403	503.03	-18.03	0	547.14	546.62	546.11	545.59	545.08	
6	140	18.50	53.28	64.86729	124.94677	397	504.24	-18.18	0	548.11	547.61	547.10	546.59	546.04	
6	143	18.57	52.72	64.86415	124.94288	398	503.65	-18.40	0	547.81	547.30	546.79	546.28	545.77	
6	147	18.67	52.85	64.85988	124.93744	393	503.79	-18.70	-0.00	547.91	547.41	546.91	546.41	545.91	
6	149	18.75	52.21	64.85777	124.93484	400	503.11	-18.84	0	547.84	547.33	546.82	546.31	545.80	
6	152	18.82	52.14	64.85459	124.93070	397	503.08	-19.06	0	547.84	547.33	546.82	546.32	545.81	
6	155	18.87	51.63	64.85139	124.92666	394	502.50	-19.29	0	547.28	546.78	546.28	545.78	545.27	
6	165	19.02	49.63	64.84077	124.91350	407	500.39	-20.03	0	546.75	546.24	545.72	545.20	544.68	
6	168	19.08	48.63	64.83752	124.90948	409	499.33	-20.25	0	546.06	545.53	545.01	544.49	543.97	
6	170	19.15	48.62	64.83553	124.90677	403	499.32	-20.39	0	545.79	545.28	544.77	544.25	543.74	
6	173	19.33	48.31	64.83241	124.90310	398	499.00	-20.61	0	545.36	544.85	544.35	543.84	543.33	
34	1527	19.80	53.05	64.88445	124.96695	420	504.00	-16.99	0	548.16	547.63	547.09	546.56	546.02	

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

122 INITIAL BASE 497 VALUE 525.35 LINE22 FINAL BASE 497 VALUE 525.35

METER CONSTANT 1.0556000

	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES					
									2.0 G/CC	2.30	2.40	2.50	2.60	2.70
497	11.37	73.53	65.09700	125.00682	406	525.35	-2.24	0	553.86	553.35	552.83	552.31	551.79	
970	11.57	73.57	65.09589	125.00563	404	525.39	-2.32	0	553.85	553.34	552.82	552.31	551.79	
30 967	11.62	73.49	65.09648	124.99463	408	525.31	-2.28	0	553.99	553.47	552.95	552.43	551.90	
30 964	11.82	73.36	65.09712	124.98622	414	525.17	-2.23	0	554.19	553.67	553.14	552.61	552.08	
30 961	11.92	73.13	65.09782	124.97767	422	524.93	-2.18	0	554.42	553.88	553.34	552.81	552.27	
30 958	12.00	73.17	65.09842	124.96918	423	524.97	-2.14	0	554.49	553.95	553.41	552.87	552.33	
30 955	12.07	73.24	65.09906	124.96067	425	525.04	-2.10	0	554.64	554.10	553.56	553.02	552.48	
30 952	12.15	73.10	65.09973	124.95269	431	524.90	-2.05	0	554.84	554.29	553.74	553.19	552.64	
22 497	12.70	73.53	65.09700	125.00682	406	525.35	-2.24	0	553.86	553.35	552.83	552.31	551.79	

MAP AREA

BOUGUER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 497 VALUE 525.35 LINE22 FINAL BASE 497 VALUE 525.35

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGIER ANOMALIES					
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
22	497	12.70	73.53	65.09700	125.00682	406	525.35	-2.24	0	553.86	553.35	552.83	552.31	551.79	
30	1027	13.20	70.18	65.08326	125.16442	375	521.80	-3.19	0	549.26	548.78	548.30	547.83	547.35	
30	1024	13.27	70.28	65.08396	125.15601	379	521.91	-3.14	0	549.58	549.09	548.61	548.12	547.64	
30	1021	13.33	70.80	65.08458	125.14783	373	522.45	-3.10	0	549.69	549.22	548.74	548.26	547.79	
30	1017	13.43	71.17	65.08549	125.13669	373	522.84	-3.04	0	550.02	549.54	549.06	548.59	548.11	
30	1015	13.50	70.93	65.08595	125.13109	376	522.59	-3.01	0	549.92	549.44	548.96	548.48	548.00	
30	1012	13.55	71.64	65.08663	125.12262	373	523.34	-2.96	0	550.43	549.96	549.48	549.00	548.53	
30	1009	13.62	71.61	65.08730	125.11450	374	523.30	-2.91	0	550.42	549.94	549.46	548.98	548.51	
30	1006	13.67	72.41	65.08800	125.10599	367	524.15	-2.86	0	550.76	550.29	549.82	549.35	548.89	
30	1003	13.73	72.02	65.08865	125.09768	377	523.73	-2.82	0	550.95	550.47	549.99	549.50	549.02	
30	1000	13.78	72.44	65.08930	125.08925	370	524.17	-2.77	0	551.47	550.99	550.51	550.02	549.54	
30	997	13.87	72.17	65.09003	125.08103	386	523.89	-2.72	0	551.59	551.10	550.60	550.11	549.62	
30	994	13.92	72.92	65.09071	125.07244	380	524.68	-2.68	0	551.94	551.46	550.97	550.49	550.01	
30	991	13.98	73.44	65.09133	125.06415	377	525.23	-2.63	0	552.25	551.77	551.29	550.81	550.33	
30	988	14.05	73.58	65.09197	125.05574	381	525.37	-2.59	0	552.62	552.13	551.64	551.16	550.67	
30	985	14.12	73.64	65.09265	125.04740	385	525.43	-2.54	0	552.89	552.40	551.91	551.42	550.92	
30	982	14.17	73.47	65.09338	125.03896	391	525.25	-2.49	0	553.05	552.55	552.05	551.55	551.05	
30	979	14.32	73.12	65.09405	125.03051	395	524.88	-2.45	0	552.89	552.38	551.88	551.37	550.87	
30	976	14.38	72.76	65.09471	125.02231	412	524.50	-2.40	0	553.56	553.03	552.51	551.98	551.46	
30	973	14.45	73.48	65.09539	125.01402	403	525.26	-2.35	0	553.69	553.17	552.66	552.15	551.63	
22	497	14.53	73.57	65.09700	125.00682	406	525.35	-2.24	0	553.86	553.35	552.83	552.31	551.79	

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 562 VALUE 531.88 LINE22 FINAL BASE 562 VALUE 531.88

METER CONSTANT 1.0556000

LINE	STAT	TIME	METED	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TEMP	BOUGHER ANOMALIES					
----	----	----	-----	-----	-----	----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
									G/CC						
22	562	15.27	79.72	65.17042	125.07068	456	531.88	2.83	0	558.56	557.98	557.39	556.81	556.23	
23	1042	15.72	76.67	65.17859	124.98825	581	528.65	3.39	0	562.86	562.12	561.37	560.63	559.89	
23	1045	15.78	77.36	65.17766	124.99691	563	529.78	3.33	0	562.48	561.76	561.05	560.33	559.61	
23	1048	15.85	77.70	65.17677	125.00902	550	529.74	3.27	0	562.06	561.36	560.66	559.96	559.25	
23	1051	15.92	77.83	65.17581	125.01738	541	529.87	3.20	0	561.68	560.99	560.30	559.61	558.92	
23	1054	15.98	78.84	65.17492	125.02558	514	530.94	3.14	0	561.06	560.40	559.75	559.09	558.44	
23	1057	16.05	79.28	65.17405	125.03387	495	531.40	3.08	0	560.35	559.72	559.09	558.46	557.83	
23	1060	16.12	79.93	65.17313	125.04201	479	532.09	3.02	0	560.07	559.46	558.85	558.23	557.62	
23	1063	16.20	81.64	65.17221	125.05064	445	533.80	2.95	0	559.73	559.17	558.60	558.03	557.46	
23	1066	16.27	81.34	65.17134	125.05867	459	533.57	2.89	0	560.38	559.80	559.21	558.63	558.04	
23	1069	16.57	79.55	65.17045	125.06712	458	531.68	2.83	0	558.49	557.90	557.32	556.73	556.15	
22	562	16.65	79.74	65.17042	125.07068	456	531.88	2.83	0	558.56	557.98	557.39	556.81	556.23	

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 526 VALUE 527.80 LINE22 FINAL BASE 526 VALUE 527.80

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TEMP	BOUGIER ANOMALIES				
										2.0 G/CC	2.30	2.40	2.50	2.60
22	526	17.05	75.81	65.12942	125.03701	434	527.80	0	0	555.89	555.33	554.78	554.22	553.67
31	750	17.57	62.24	65.15405	124.89485	811	513.47	1.70	0	564.25	563.21	562.18	561.15	560.11
31	753	17.62	62.24	65.15300	124.90297	795	513.47	1.63	0	563.29	562.27	561.26	560.24	559.23
31	756	17.68	64.60	65.15192	124.91131	743	515.94	1.55	0	562.49	561.54	560.59	559.64	558.69
31	759	17.73	64.76	65.15085	124.91921	731	516.13	1.48	0	561.95	561.02	560.09	559.15	558.22
31	762	17.80	65.71	65.14979	124.92748	705	517.13	1.41	0	561.34	560.45	559.55	558.65	557.75
31	765	17.85	66.01	65.14884	124.93537	693	517.45	1.34	0	560.95	560.07	559.18	558.30	557.41
31	768	17.92	65.92	65.14778	124.94361	688	517.35	1.27	0	560.60	559.73	558.85	557.97	557.09
31	771	17.98	65.75	65.14675	124.95178	683	517.17	1.20	0	560.17	559.30	558.43	557.56	556.68
31	774	18.03	65.66	65.14573	124.96007	676	517.07	1.13	0	559.69	558.83	557.97	557.11	556.24
31	777	18.10	66.74	65.14464	124.96841	652	518.21	1.05	0	559.35	558.52	557.69	556.86	556.03
31	780	18.17	68.98	65.14355	124.97675	627	520.59	.98	0	560.18	559.38	558.58	557.78	556.98
31	783	18.22	69.72	65.14256	124.98491	593	521.34	.91	0	558.82	558.07	557.31	556.55	555.80
31	786	18.28	70.35	65.14148	124.99325	576	522.02	.83	0	558.46	557.73	556.99	556.26	555.52
31	789	18.35	70.95	65.14037	125.00148	560	522.65	.76	0	558.14	557.42	556.71	555.99	555.28
31	792	18.42	71.90	65.13930	125.00942	538	523.66	.68	0	557.79	557.10	556.42	555.73	555.04
31	795	18.48	72.89	65.13823	125.01736	517	524.70	.61	0	557.55	556.89	556.23	555.57	554.91
31	798	18.57	73.53	65.13707	125.02565	499	525.38	.53	0	557.14	556.50	555.86	555.23	554.59
31	801	18.62	74.25	65.13603	125.03374	479	526.13	.46	0	556.68	556.06	555.45	554.84	554.23
31	807	18.75	75.91	65.13380	125.04909	437	527.80	.30	0	555.86	555.30	554.75	554.19	553.63
22	526	18.85	75.83	65.12942	125.03701	434	527.80	0	0	555.89	555.33	554.78	554.22	553.67

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE22 INITIAL BASE 562 VALUE 531.88 LINE22 FINAL BASE 562 VALUE 531.88

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES					
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
22	562	19.40	79.73	65.17042	125.07068	456	531.88	2.83	0	558.56	557.98	557.39	556.81	556.23	
23	1072	19.47	80.87	65.16955	125.07535	444	533.08	2.77	0	559.05	558.48	557.91	557.35	556.78	
23	1075	19.53	80.63	65.16863	125.08363	430	532.83	2.71	0	557.95	557.40	556.85	556.31	555.76	
23	1078	19.58	80.47	65.16774	125.09176	425	532.67	2.65	0	557.52	556.98	556.44	555.89	555.35	
23	1081	19.63	80.41	65.16689	125.10003	418	532.60	2.59	0	557.07	556.53	556.00	555.46	554.93	
23	1084	19.68	80.18	65.16599	125.10807	414	532.36	2.53	0	556.63	556.10	555.57	555.04	554.51	
23	1087	19.73	80.87	65.16502	125.11651	389	533.09	2.46	0	555.81	555.31	554.81	554.32	553.82	
23	1090	19.80	80.50	65.16415	125.12463	388	532.70	2.40	0	555.41	554.92	554.42	553.93	553.43	
23	1093	19.87	80.65	65.16323	125.13299	383	532.86	2.33	0	555.31	554.82	554.33	553.84	553.36	
23	1096	19.93	80.80	65.16230	125.14112	376	533.02	2.27	0	555.08	554.60	554.12	553.64	553.16	
23	1099	20.00	80.69	65.16134	125.14946	375	532.91	2.20	0	554.97	554.49	554.01	553.53	553.05	
23	1102	20.08	80.20	65.16055	125.15746	372	532.39	2.15	0	554.31	553.84	553.36	552.89	552.42	
23	1105	20.15	80.71	65.15960	125.16601	369	532.93	2.08	0	554.73	554.25	553.78	553.31	552.84	
23	1108	20.22	80.33	65.15864	125.17399	372	532.53	2.02	0	554.59	554.11	553.64	553.16	552.69	
23	1111	20.27	80.28	65.15775	125.18233	371	532.48	1.96	0	554.53	554.06	553.58	553.11	552.64	
23	1114	20.33	80.48	65.15685	125.19059	366	532.69	1.89	0	554.48	554.01	553.55	553.08	552.61	
23	1117	20.40	80.44	65.15594	125.19901	363	532.65	1.83	0	554.31	553.85	553.38	552.92	552.46	
23	1120	20.53	80.38	65.15507	125.20686	358	532.59	1.77	0	553.99	553.53	553.07	552.62	552.16	
23	1123	20.60	79.77	65.15413	125.21537	362	531.95	1.71	0	553.67	553.21	552.74	552.28	551.82	
23	1128	20.75	79.14	65.15270	125.22905	359	531.29	1.61	0	552.91	552.45	551.99	551.54	551.08	
23	1129	20.80	78.90	65.15234	125.23188	359	531.03	1.58	0	552.68	552.22	551.77	551.31	550.85	
23	1132	20.85	78.48	65.15151	125.23988	357	530.59	1.53	0	552.17	551.71	551.26	550.80	550.35	
22	562	21.37	79.69	65.17042	125.07068	456	531.88	2.83	0	558.56	557.98	557.39	556.81	556.23	

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE23 INITIAL BASE 1132 VALUE 530.62 LINE23 FINAL BASE 1132 VALUE 530.62

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES				
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60 2.70
										G/CC				
23	1132	15.45	78.55	65.15151	125.23988	357	530.62	1.53	0	552.20	551.74	551.29	550.83	550.37
23	1135	15.58	77.75	65.15050	125.24835	359	529.78	1.46	0	551.55	551.09	550.63	550.18	549.72
23	1138	15.65	77.14	65.14963	125.25644	359	529.13	1.40	0	550.97	550.51	550.05	549.59	549.14
23	1141	15.70	76.26	65.14873	125.26478	356	528.20	1.33	0	549.91	549.45	549.00	548.54	548.09
23	1144	15.77	75.28	65.14779	125.27286	357	527.17	1.27	0	549.00	548.55	548.09	547.63	547.18
23	1147	15.83	74.52	65.14679	125.28119	359	526.37	1.20	0	548.40	547.94	547.48	547.02	546.57
23	1150	15.90	73.88	65.14592	125.28936	359	525.69	1.14	0	547.78	547.32	546.87	546.41	545.95
23	1153	15.95	73.65	65.14495	125.29792	357	525.45	1.07	0	547.48	547.02	546.57	546.11	545.65
24	1164	16.12	74.93	65.14826	125.28112	353	526.80	1.30	0	548.34	547.89	547.44	546.99	546.54
24	1167	16.18	74.08	65.14626	125.28850	359	525.90	1.16	0	547.97	547.51	547.05	546.60	546.14
24	1170	16.23	73.52	65.14415	125.29560	360	525.31	1.02	0	547.59	547.13	546.67	546.21	545.75
24	1173	16.28	73.37	65.14218	125.30263	359	525.15	.88	0	547.50	547.04	546.59	546.13	545.67
24	1176	16.37	72.56	65.14016	125.30979	366	524.30	.74	0	547.24	546.77	546.31	545.84	545.37
24	1179	16.45	72.26	65.13830	125.31653	368	523.98	.61	0	547.18	546.71	546.24	545.77	545.30
24	1182	16.52	71.73	65.13623	125.32369	373	523.42	.47	0	547.09	546.61	546.14	545.66	545.18
24	1185	16.58	72.18	65.13426	125.33092	365	523.90	.33	0	547.18	546.72	546.25	545.78	545.32
24	1188	16.65	71.86	65.13219	125.33795	369	523.54	.19	0	547.25	546.77	546.30	545.83	545.36
24	1191	16.70	71.10	65.13025	125.34503	375	522.74	.06	0	546.97	546.49	546.01	545.53	545.05
24	1194	16.77	71.13	65.12822	125.35224	370	522.79	-0.08	0	546.81	546.34	545.87	545.40	544.93
24	1197	16.87	70.98	65.12641	125.35912	369	522.63	-0.21	0	546.72	546.24	545.77	545.30	544.83
23	1132	17.42	78.55	65.15151	125.23988	357	530.62	1.53	0	552.20	551.74	551.29	550.83	550.37

MAP AREA

BOUGIER CALCULATIONS FOR AQUITAINE

LINE24 INITIAL BASE 1197 VALUE 522.62 LINE24 FINAL BASE 1197 VALUE 522.62

METER CONSTANT 1.0556000

LINE	STAT	TIME	METED	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TERR	BOUGIER ANOMALIES				
										2.0 G/CC	2.30	2.40	2.50	2.60
24	1197	18.87	70.98	65.12641	125.35912	369	522.62	-0.21	0	546.71	546.24	545.77	545.29	544.82
24	1200	19.00	71.07	65.12424	125.36635	365	522.72	-0.36	0	546.70	546.23	545.76	545.30	544.83
24	1201	19.05	70.39	65.12355	125.36880	373	522.00	-0.41	0	546.54	546.07	545.59	545.12	544.64
24	1206	19.22	70.75	65.12029	125.38047	366	522.39	-0.63	0	546.70	546.23	545.77	545.30	544.83
24	1209	19.28	70.62	65.11829	125.38762	372	522.25	-0.77	0	547.09	546.62	546.14	545.67	545.19
24	1211	19.35	71.32	65.11703	125.39243	365	522.99	-0.86	0	547.21	546.75	546.29	545.83	545.37
24	1215	19.50	70.23	65.11433	125.40184	366	521.84	-1.04	0	546.57	546.10	545.64	545.17	544.70
24	1218	19.58	69.93	65.11225	125.40909	364	521.53	-1.19	0	546.27	545.81	545.34	544.88	544.41
24	1221	19.63	69.65	65.11030	125.41608	361	521.23	-1.32	0	545.92	545.46	545.00	544.53	544.07
24	1224	19.70	69.17	65.10828	125.42333	360	520.73	-1.46	0	545.49	545.03	544.57	544.11	543.65
24	1227	19.75	68.53	65.10623	125.43050	364	520.05	-1.60	0	545.21	544.75	544.28	543.82	543.35
24	1230	19.82	68.87	65.10425	125.43752	354	520.42	-1.74	0	545.06	544.61	544.16	543.71	543.26
24	1233	19.87	68.10	65.10224	125.44440	359	519.60	-1.88	0	544.71	544.26	543.80	543.34	542.88
24	1236	19.93	67.33	65.10027	125.45177	364	518.79	-2.01	0	544.36	543.90	543.43	542.97	542.50
24	1239	20.00	66.32	65.09827	125.45871	363	517.73	-2.15	0	543.37	542.91	542.44	541.98	541.52
24	1242	20.08	67.00	65.09625	125.46582	360	518.45	-2.29	0	544.04	543.58	543.12	542.66	542.20
24	1197	20.65	70.94	65.12641	125.35912	369	522.62	-0.21	0	546.71	546.24	545.77	545.29	544.82

MAP AREA

ROUGHIER CALCULATIONS FOR AQUITAINE

LINE25 INITIAL BASE 1304 VALUE 516.72 LINE25 FINAL BASE 1304 VALUE 516.72

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	ROUGHIER ANOMALIES				
---	---	---	---	---	---	---	---	---	---	2.0 G/CC	2.30	2.40	2.50	2.60 2.70
25	1304	14.62	65.40	65.07067	125.42756	352	516.72	-4.06	0	543.56	543.11	542.66	542.21	541.76
25	1331	14.90	68.14	65.09703	125.47331	347	519.61	-2.24	0	544.30	543.86	543.41	542.97	542.53
25	1328	14.97	67.82	65.09431	125.46846	351	519.27	-2.43	0	544.41	543.96	543.51	543.06	542.62
25	1325	15.08	70.58	65.09145	125.46345	313	522.18	-2.62	0	545.06	544.66	544.26	543.86	543.46
25	1322	15.23	66.84	65.08852	125.45816	373	518.23	-2.83	0	545.19	544.71	544.24	543.76	543.29
25	1319	15.30	66.66	65.08559	125.45316	359	518.03	-3.03	0	544.30	543.84	543.38	542.92	542.46
25	1316	15.35	67.51	65.08266	125.44815	353	518.93	-3.23	0	545.01	544.56	544.11	543.66	543.20
25	1313	15.45	67.12	65.07976	125.44295	350	518.52	-3.43	0	544.60	544.15	543.71	543.26	542.81
25	1310	15.53	66.47	65.07681	125.43771	351	517.83	-3.64	0	544.18	543.73	543.28	542.84	542.39
25	1308	15.62	66.28	65.07492	125.43445	348	517.63	-3.77	0	543.91	543.47	543.03	542.58	542.14
25	1305	15.72	65.71	65.07193	125.42930	350	517.02	-3.98	0	543.65	543.20	542.75	542.31	541.86
25	1304	15.98	65.43	65.07067	125.42756	352	516.72	-4.06	0	543.56	543.11	542.66	542.21	541.76

MAP AREA

BOUGUER CALCILATIONS FOR AQUITAINE

LINE25 INITIAL BASE 1304 VALUE 516.72 LINE25 FINAL BASE 1304 VALUE 516.72

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGUER ANOMALIES					
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
25	1304	15.98	65.43	65.07067	125.42756	352	516.72	-4.06	0	543.56	543.11	542.66	542.21	541.76	
25	1301	16.03	65.12	65.06807	125.42263	354	516.39	-4.24	0	543.54	543.09	542.64	542.19	541.74	
25	1298	0													
25	1295	16.12	65.20	65.06234	125.41233	348	516.48	-4.64	0	543.63	543.19	542.75	542.30	541.86	
25	1292	16.18	64.97	65.05934	125.40711	362	516.23	-4.85	0	544.50	544.04	543.58	543.12	542.66	
25	1289	16.27	63.81	65.05654	125.40210	361	515.01	-5.04	0	543.41	542.95	542.49	542.03	541.57	
25	1286	16.33	64.15	65.05353	125.39707	353	515.36	-5.25	0	543.46	543.01	542.56	542.11	541.66	
25	1283	16.38	64.34	65.05075	125.39202	346	515.56	-5.44	0	543.40	542.95	542.51	542.07	541.63	
25	1280	16.45	64.46	65.04783	125.38680	345	515.69	-5.64	0	543.66	543.22	542.78	542.34	541.90	
25	1277	16.57	64.00	65.04493	125.38197	351	515.20	-5.84	0	543.76	543.31	542.87	542.42	541.97	
25	1274	16.62	63.30	65.04193	125.37655	354	514.46	-6.05	0	543.42	542.97	542.52	542.07	541.62	
25	1271	16.67	64.52	65.03920	125.37196	352	515.75	-6.24	0	544.77	544.32	543.87	543.42	542.97	
25	1268	16.73	64.96	65.03632	125.36688	355	516.21	-6.44	0	545.63	545.18	544.72	544.27	543.82	
25	1304	17.63	65.45	65.07067	125.42756	352	516.72	-4.06	0	543.56	543.11	542.66	542.21	541.76	

MAP AREA

BOUGUER CALCULATIONS FOR AQUITAINE

LINE25 INITIAL BASE 1268 VALUE 516.22 LINE25 FINAL BASE 1268 VALUE 516.22

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGUER ANOMALIES					
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
25	1268	11.35	64.94	65.03632	125.36688	355	516.22	-6.44	0	545.63	545.18	544.73	544.27	543.82	
29	2096	12.03	58.71	65.01568	125.44574	351	509.63	-7.87	0	540.22	539.77	539.32	538.87	538.43	
29	2093	12.10	58.71	65.01747	125.43834	352	509.63	-7.75	0	540.16	539.71	539.26	538.81	538.36	
29	2090	12.17	58.92	65.01926	125.43077	351	509.85	-7.62	0	540.19	539.74	539.29	538.84	538.40	
29	2088	12.30	59.15	65.02041	125.42586	349	510.09	-7.54	0	540.22	539.77	539.33	538.88	538.44	
29	2086	12.47	59.83	65.02162	125.42098	342	510.81	-7.46	0	540.40	539.96	539.52	539.09	538.65	
29	2084	12.57	59.61	65.02281	125.41593	350	510.57	-7.38	0	540.60	540.15	539.71	539.26	538.81	
29	2081	12.65	59.88	65.02452	125.40868	354	510.86	-7.26	0	541.02	540.57	540.12	539.67	539.22	
29	2078	12.73	60.22	65.02632	125.40126	357	511.21	-7.13	0	541.45	540.99	540.54	540.08	539.63	
29	2075	12.80	60.50	65.02812	125.39367	360	511.51	-7.01	0	541.81	541.35	540.89	540.44	539.98	
29	2072	12.88	61.88	65.02993	125.38625	351	512.96	-6.88	0	542.56	542.11	541.66	541.22	540.77	
29	2070	12.98	62.26	65.03111	125.38108	349	513.36	-6.80	0	542.75	542.30	541.86	541.41	540.97	
29	2064	13.07	65.33	65.03463	125.36647	352	516.60	-6.56	0	545.94	545.49	545.04	544.59	544.14	
25	1268	13.15	64.97	65.03632	125.36688	355	516.22	-6.44	0	545.63	545.18	544.73	544.27	543.82	

MAP AREA

ROUGIER CALCULATIONS FOR ADUITAINE

LINE29 INITIAL BASE 1998 VALUE 520.61 LINE29 FINAL BASE 1998 VALUE 520.61

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TERR	ROUGIER ANOMALIES					
----	----	----	-----	-----	-----	-----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
29	1998	14.95	69.06	65.07342	125.20317	353	520.61	-3.87	0	547.33	546.88	546.42	545.97	545.52	
29	1996	15.07	68.80	65.07467	125.19811	360	520.34	-3.79	0	547.42	546.96	546.50	546.04	545.58	
29	1994	15.12	69.50	65.07589	125.19318	355	521.07	-3.70	0	547.75	547.30	546.84	546.39	545.94	
29	1991	15.18	69.40	65.07763	125.18586	363	520.97	-3.58	0	548.04	547.58	547.11	546.65	546.19	
29	1988	15.27	69.59	65.07936	125.17827	366	521.17	-3.46	0	548.32	547.85	547.38	546.91	546.45	
29	1985	15.32	70.21	65.08114	125.17099	363	521.82	-3.34	0	548.65	548.19	547.73	547.26	546.80	
29	1982	15.37	70.33	65.08293	125.16336	367	521.95	-3.21	0	548.91	548.45	547.98	547.51	547.04	
29	1979	15.43	70.62	65.08481	125.15586	367	522.24	-3.08	0	549.09	548.62	548.15	547.69	547.22	
29	1998	15.73	69.06	65.07342	125.20317	353	520.61	-3.87	0	547.33	546.88	546.42	545.97	545.52	

MAP AREA

BOUGUER CALCULATIONS FOR AQUITAINE

LINE29 INITIAL BASE 1998 VALUE 520.61 LINE29 FINAL BASE 1998 VALUE 520.61

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGIER ANOMALIES					
----	----	----	-----	-----	-----	-----	----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
29	1998	15.73	69.06	65.07342	125.20317	353	520.61	-3.87	0	547.33	546.88	546.42	545.97	545.52	
29	2030	16.07	63.61	65.05462	125.28242	362	514.85	-5.17	0	543.45	542.99	542.53	542.06	541.60	
29	2027	16.15	64.04	65.05649	125.27491	362	515.30	-5.04	0	543.77	543.31	542.85	542.39	541.93	
29	2023	16.23	64.18	65.05875	125.26505	367	515.45	-4.89	0	544.09	543.62	543.15	542.68	542.21	
29	2021	16.30	64.42	65.05992	125.26004	367	515.70	-4.81	0	544.26	543.79	543.32	542.85	542.38	
29	2018	16.37	65.26	65.06166	125.25267	361	516.59	-4.69	0	544.63	544.17	543.71	543.25	542.79	
29	2015	16.43	65.23	65.06341	125.24545	368	516.55	-4.57	0	544.93	544.46	543.99	543.53	543.06	
29	2012	16.50	65.86	65.06521	125.23776	366	517.22	-4.44	0	545.34	544.88	544.41	543.94	543.48	
29	2009	16.57	67.15	65.06697	125.23027	355	518.58	-4.32	0	545.87	545.42	544.96	544.51	544.06	
29	2006	16.65	67.36	65.06876	125.22268	359	518.80	-4.19	0	546.23	545.77	545.31	544.85	544.39	
29	2004	16.72	67.26	65.06994	125.21805	363	518.69	-4.11	0	546.30	545.83	545.37	544.91	544.44	
29	2002	16.78	67.80	65.07111	125.21303	361	519.26	-4.03	0	546.65	546.19	545.73	545.27	544.81	
29	2000	16.85	68.30	65.07226	125.20815	358	519.79	-3.95	0	546.91	546.45	545.99	545.54	545.08	
29	1998	16.93	69.08	65.07342	125.20317	353	520.61	-3.87	0	547.33	546.88	546.42	545.97	545.52	

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE29 INITIAL BASE 2030 VALUE 514.85 LINE29 FINAL BASE 2030 VALUE 514.85

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES					
----	----	----	-----	-----	-----	----	-----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
29	2030	17.68	63.63	65.05462	125.28242	362	514.85	-5.17	0	543.45	542.99	542.53	542.06	541.60	
29	2063	18.45	65.90	65.03526	125.36403	352	517.23	-6.51	0	546.52	546.07	545.62	545.18	544.73	
29	2060	18.50	65.89	65.03702	125.35630	360	517.22	-6.39	0	546.91	546.45	545.99	545.53	545.07	
29	2057	18.57	65.03	65.03860	125.34907	369	516.31	-6.28	0	546.47	546.00	545.53	545.06	544.59	
29	2052	18.68	64.11	65.04167	125.33660	364	515.34	-6.07	0	544.96	544.50	544.03	543.57	543.10	
29	2051	18.73	63.77	65.04229	125.33401	365	514.98	-6.03	0	544.62	544.16	543.69	543.23	542.76	
29	2048	18.78	63.36	65.04404	125.32668	361	514.54	-5.91	0	543.81	543.35	542.89	542.43	541.97	
29	2045	18.83	63.36	65.04578	125.31934	356	514.54	-5.79	0	543.36	542.91	542.46	542.00	541.55	
29	2042	18.90	63.32	65.04762	125.31197	354	514.50	-5.66	0	543.06	542.61	542.16	541.71	541.26	
29	2039	18.97	63.11	65.04932	125.30450	356	514.27	-5.54	0	542.85	542.40	541.94	541.49	541.04	
29	2036	19.05	63.27	65.05113	125.29707	357	514.44	-5.42	0	542.96	542.50	542.05	541.59	541.14	
29	2033	19.10	63.46	65.05288	125.28973	357	514.64	-5.29	0	543.04	542.58	542.13	541.67	541.21	
29	2030	19.18	63.66	65.05462	125.28242	362	514.85	-5.17	0	543.45	542.99	542.53	542.06	541.60	

MAP AREA

BOUGUER CALCULATIONS FOR AQUITAINE

LINE25 INITIAL BASE 1268 VALUE 516.22 LINE25 FINAL BASE 1268 VALUE 516.22

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGUER ANOMALIES				
---	---	---	---	---	---	---	---	---	---	2.0	2.30	2.40	2.50	2.60 2.70
										G/CC				
25	1268	11.10	65.00	65.03632	125.36688	355	516.22	-6.44	0	545.63	545.18	544.73	544.27	543.82
26	1890	11.27	65.00	65.03861	125.36836	351	516.22	-6.28	0	545.22	544.77	544.32	543.87	543.42
26	1887	11.33	65.46	65.03526	125.36410	352	516.71	-6.51	0	546.00	545.55	545.10	544.65	544.20
26	1884	11.40	66.07	65.03196	125.36137	359	517.35	-6.74	0	547.32	546.87	546.41	545.95	545.49
26	1891	11.47	65.80	65.02872	125.35806	366	517.04	-6.97	0	547.72	547.25	546.78	546.32	545.85
26	1877	11.58	65.75	65.02421	125.35342	362	517.01	-7.28	0	547.72	547.26	546.79	546.33	545.87
26	1875	11.65	64.88	65.02207	125.35100	366	516.09	-7.43	0	547.21	546.74	546.27	545.81	545.34
26	1872	11.70	63.82	65.01868	125.34750	364	514.97	-7.66	0	546.19	545.73	545.26	544.80	544.34
26	1869	11.77	63.33	65.01546	125.34406	363	514.46	-7.89	0	545.83	545.37	544.91	544.44	543.98
26	1866	11.82	62.69	65.01206	125.34054	372	513.78	-8.12	0	545.98	545.50	545.03	544.55	544.08
26	1863	11.88	63.56	65.00891	125.33715	357	514.70	-8.34	0	546.14	545.69	545.23	544.78	544.32
26	1860	11.93	63.21	65.00556	125.33399	355	514.33	-8.57	0	545.88	545.42	544.97	544.52	544.06
26	1857	12.00	62.70	65.00222	125.33038	351	513.79	-8.80	0	545.31	544.86	544.41	543.97	543.52
25	1268	12.27	65.00	65.03632	125.36688	355	516.22	-6.44	0	545.63	545.18	544.73	544.27	543.82

MAP AREA

BOUGIER CALCULATIONS FOR AQUITAINE

LINE26 INITIAL BASE 1857 VALUE 513.79 LINE26 FINAL BASE 1857 VALUE 513.79

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TERR	BOUGIER ANOMALIES				
---	---	---	---	---	---	---	---	---	---	2.0	2.30	2.40	2.50	2.60 2.70
										G/CC				
26	1857	12.77	62.70	65.00222	125.33038	351	513.79	-8.80	0	545.31	544.86	544.41	543.96	543.52
27	1900	12.90	63.65	65.00549	125.32407	365	514.79	-8.58	0	546.99	546.52	546.06	545.59	545.13
27	1903	12.98	62.89	65.00440	125.33268	357	513.99	-8.65	0	545.75	545.29	544.84	544.38	543.92
27	1906	13.15	61.10	65.00330	125.34012	355	512.10	-8.73	0	543.80	543.35	542.90	542.44	541.99
27	1909	13.23	60.04	65.00215	125.34835	357	510.98	-8.81	0	542.89	542.44	541.98	541.53	541.07
27	1912	13.32	59.24	65.00107	125.35639	360	510.14	-8.88	0	542.32	541.86	541.40	540.94	540.48
27	1915	13.38	60.40	64.99986	125.36848	355	511.36	-8.97	0	543.30	542.85	542.40	541.94	541.49
27	1918	13.67	58.49	64.99868	125.37643	355	509.35	-9.05	0	541.37	540.92	540.46	540.01	539.56
27	1921	13.73	58.32	64.99760	125.38448	352	509.17	-9.13	0	541.07	540.62	540.17	539.72	539.27
27	1924	13.78	58.10	64.99649	125.39277	349	508.93	-9.20	0	540.72	540.28	539.83	539.38	538.94
27	1927	13.85	58.22	64.99537	125.40082	339	509.06	-9.28	0	540.28	539.85	539.41	538.98	538.55
27	1930	13.93	57.32	64.99427	125.40867	345	508.11	-9.36	0	539.79	539.35	538.91	538.47	538.03
27	1933	14.02	57.97	64.99316	125.41694	345	508.80	-9.43	0	540.56	540.12	539.68	539.24	538.79
27	1936	14.10	57.05	64.99203	125.42508	338	507.83	-9.51	0	539.21	538.78	538.35	537.92	537.48
27	1939	14.17	57.73	64.99098	125.43299	327	508.54	-9.58	0	539.29	538.87	538.45	538.04	537.62
27	1942	14.25	56.85	64.98982	125.44098	341	507.61	-9.66	0	539.35	538.91	538.48	538.04	537.61
27	1945	14.30	56.31	64.98871	125.44923	350	507.04	-9.74	0	539.44	538.99	538.54	538.10	537.65
27	1948	14.38	56.10	64.98764	125.45717	340	506.82	-9.82	0	538.64	538.21	537.77	537.34	536.91
26	1857	14.73	62.70	65.00222	125.33038	351	513.79	-8.80	0	545.31	544.86	544.41	543.96	543.52

MAP AREA

BOUGUER CALCULATIONS FOR AQUITAINE

LINE28 INITIAL BASE 1828 VALUE 505.95 LINE28 FINAL BASE 1828 VALUE 505.95

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TERR	BOUGUER ANOMALIES				
----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
										2.0	2.30	2.40	2.50	2.60
										G/CC				
28	1828	10.83	55.52	64.97457	125.48876	365	505.95	-10.72	0	540.29	539.83	539.36	538.90	538.43
27	1960	11.15	57.47	64.98331	125.48934	345	508.00	-10.12	0	540.45	540.01	539.56	539.12	538.68
27	1963	11.23	55.04	64.98223	125.49739	388	505.44	-10.19	0	540.74	540.24	539.75	539.25	538.76
27	1966	11.32	53.88	64.98117	125.50576	405	504.21	-10.26	0	540.68	540.17	539.65	539.13	538.62
28	1837	11.55	56.92	64.98438	125.49998	361	507.42	-10.04	0	540.82	540.36	539.90	539.44	538.98
28	1834	11.63	54.60	64.98108	125.49632	392	504.97	-10.27	0	540.60	540.10	539.60	539.10	538.60
28	1831	11.70	54.58	64.97781	125.49232	385	504.94	-10.50	0	540.36	539.86	539.37	538.88	538.39
28	1828	11.77	55.54	64.97457	125.48876	365	505.95	-10.72	0	540.30	539.83	539.37	538.90	538.44
28	1825	11.85	56.00	64.97134	125.48468	352	506.44	-10.95	0	540.17	539.72	539.27	538.82	538.37
28	1822	11.93	55.73	64.96815	125.48096	350	506.15	-11.17	0	539.97	539.52	539.08	538.63	538.19
28	1828	12.13	55.54	64.97457	125.48876	365	505.95	-10.72	0	540.29	539.83	539.36	538.90	538.43

MAP AREA

BOUGHER CALCULATIONS FOR AQUITAINE

LINE28 INITIAL BASE 1768 VALUE 502.45 LINE28 FINAL BASE 1768 VALUE 502.45

METER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OB GRAV	NORM GRAV	TERR	BOUGHIER ANOMALIES					
										2.0	2.30	2.40	2.50	2.60	2.70
----	----	----	----	----	----	----	----	----	----	G/CC					
29	1768	10.17	52.18	64.91787	125.42425	373	502.45	-14.66	0	541.25	540.77	540.30	539.82	539.35	
28	1798	11.12	63.42	64.94907	125.46086	224	514.31	-12.49	0	541.30	541.02	540.73	540.45	540.16	
28	1795	11.27	61.90	64.94698	125.45861	245	512.71	-12.64	0	541.20	540.89	540.58	540.27	539.95	
28	1792	11.38	55.52	64.94361	125.45467	340	505.98	-12.87	0	540.85	540.42	539.98	539.55	539.11	
28	1789	11.50	53.89	64.94027	125.45091	360	504.26	-13.10	0	540.66	540.20	539.74	539.28	538.82	
28	1786	11.60	53.29	64.93733	125.44706	367	503.62	-13.31	0	540.68	540.21	539.74	539.28	538.81	
28	1783	11.68	52.84	64.93385	125.44330	369	503.15	-13.55	0	540.58	540.11	539.63	539.16	538.69	
28	1780	11.77	52.58	64.93069	125.43952	368	502.87	-13.77	0	540.46	539.99	539.52	539.05	538.58	
28	1777	11.85	52.52	64.92752	125.43567	365	502.81	-13.99	0	540.42	539.95	539.49	539.02	538.56	
28	1774	11.93	52.44	64.92430	125.43188	360	502.72	-14.21	0	540.24	539.78	539.32	538.86	538.40	
28	1771	12.02	52.61	64.92110	125.42799	349	502.90	-14.44	0	539.93	539.48	539.03	538.59	538.14	
28	1768	12.12	52.18	64.91787	125.42425	373	502.45	-14.66	0	541.25	540.77	540.30	539.82	539.35	

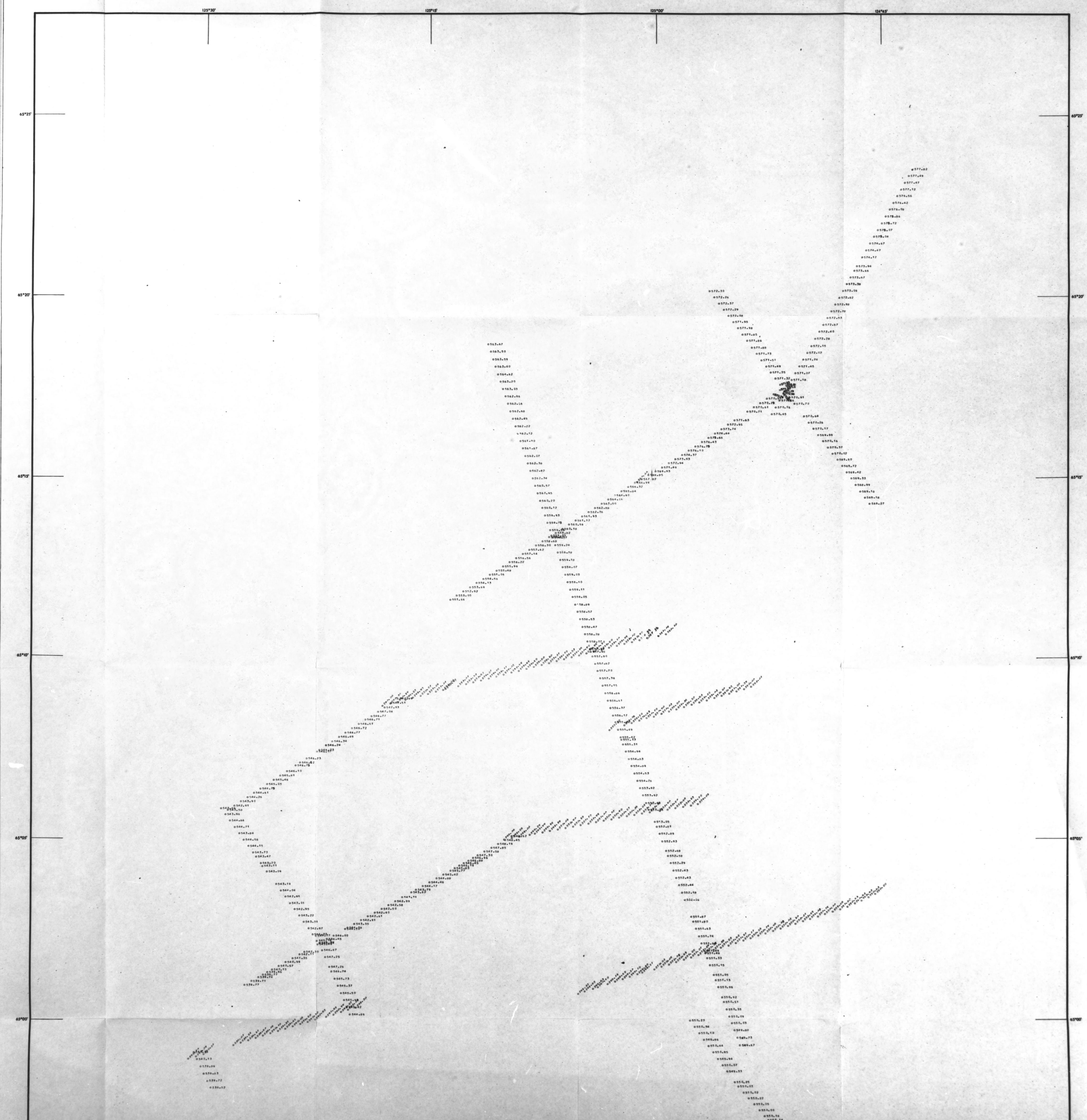
MAP AREA

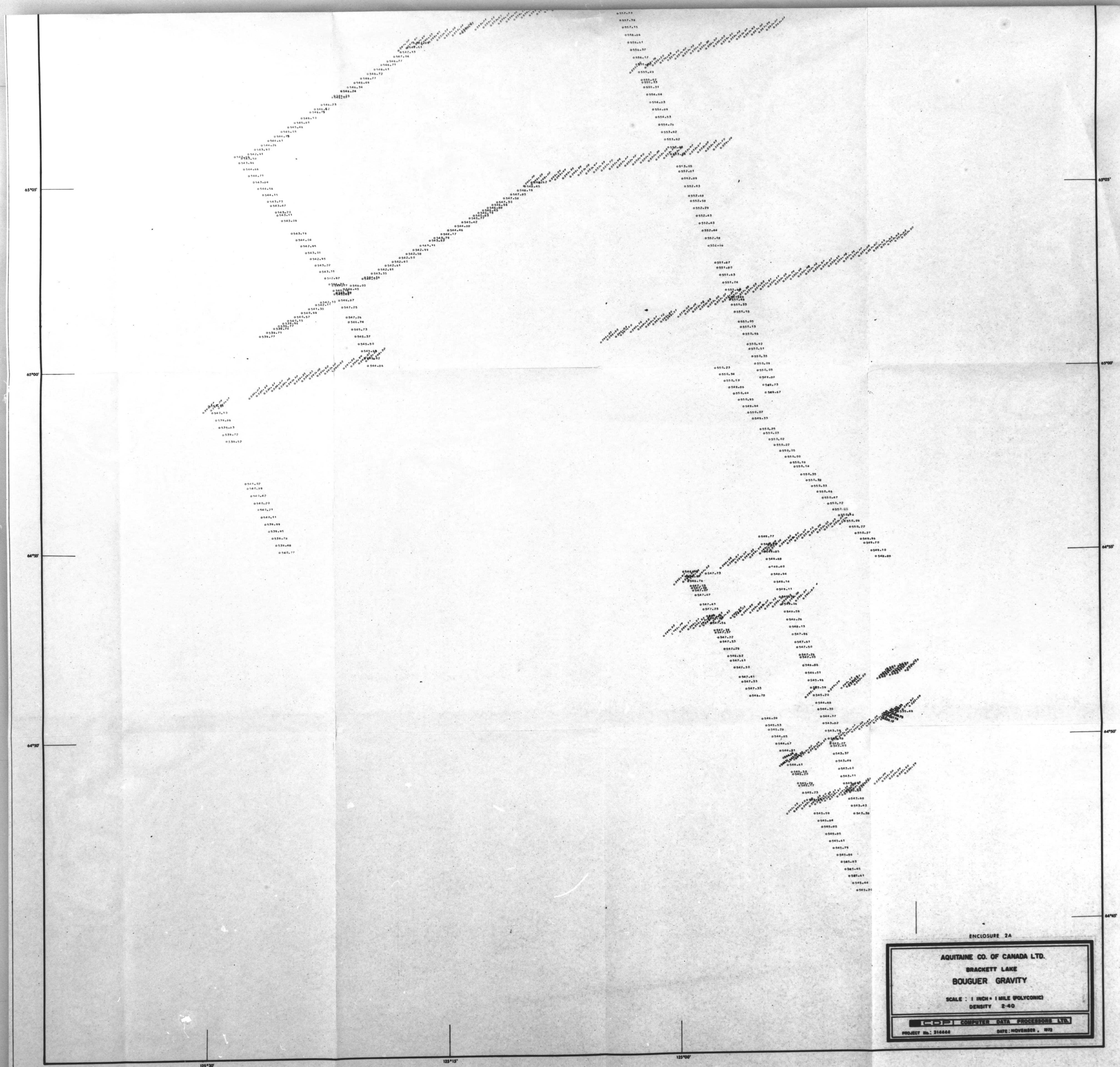
BOUGHER CALCULATIONS FOR AQUITAINE

LINE 6 INITIAL BASE 200 VALUE 496.05 LINE 6 FINAL BASE 200 VALUE 496.05

AFTER CONSTANT 1.0556000

LINE	STAT	TIME	METER	LATIT	LONG	ELEV	OR GRAV	NORM GRAV	TERR	BOUGHER ANOMALIES					
----	----	----	-----	-----	----	----	----	-----	-----	2.0	2.30	2.40	2.50	2.60	2.70
										G/CC					
6	200	12.05	46.13	64.80369	124.86709	426	496.05	-22.61	0	546.23	545.69	545.14	544.60	544.06	
6	239	12.63	43.23	64.76230	124.81490	421	492.99	-25.50	0	545.73	545.20	544.66	544.12	543.58	
6	236	12.72	42.95	64.76552	124.81892	433	492.69	-25.28	0	545.99	545.44	544.88	544.33	543.78	
6	233	12.80	43.21	64.76875	124.82304	435	492.97	-25.05	0	546.17	545.61	545.06	544.50	543.95	
6	230	12.93	40.38	64.77187	124.82694	483	489.98	-24.83	0	546.07	545.45	544.84	544.22	543.60	
6	227	13.03	44.92	64.77513	124.83097	417	494.77	-24.60	0	546.36	545.83	545.30	544.77	544.23	
6	224	13.10	45.10	64.77833	124.83519	418	494.96	-24.38	0	546.39	545.86	545.33	544.79	544.26	
6	221	13.18	45.12	64.78147	124.83926	420	494.98	-24.16	0	546.33	545.79	545.25	544.72	544.18	
6	218	13.23	43.54	64.78466	124.84305	447	493.32	-23.94	0	546.18	545.61	545.04	544.47	543.90	
6	215	13.30	44.22	64.78788	124.84719	443	494.03	-23.71	0	546.42	545.85	545.29	544.72	544.16	
6	212	13.37	45.58	64.79115	124.85129	424	495.47	-23.49	0	546.39	545.85	545.31	544.77	544.23	
6	209	13.43	45.53	64.79417	124.85515	428	495.42	-23.28	0	546.39	545.84	545.30	544.75	544.20	
6	206	13.52	43.16	64.79742	124.85908	467	492.91	-23.05	0	546.18	545.59	544.99	544.40	543.80	
6	200	13.68	46.13	64.80369	124.86709	426	496.05	-22.61	0	546.23	545.69	545.14	544.60	544.06	



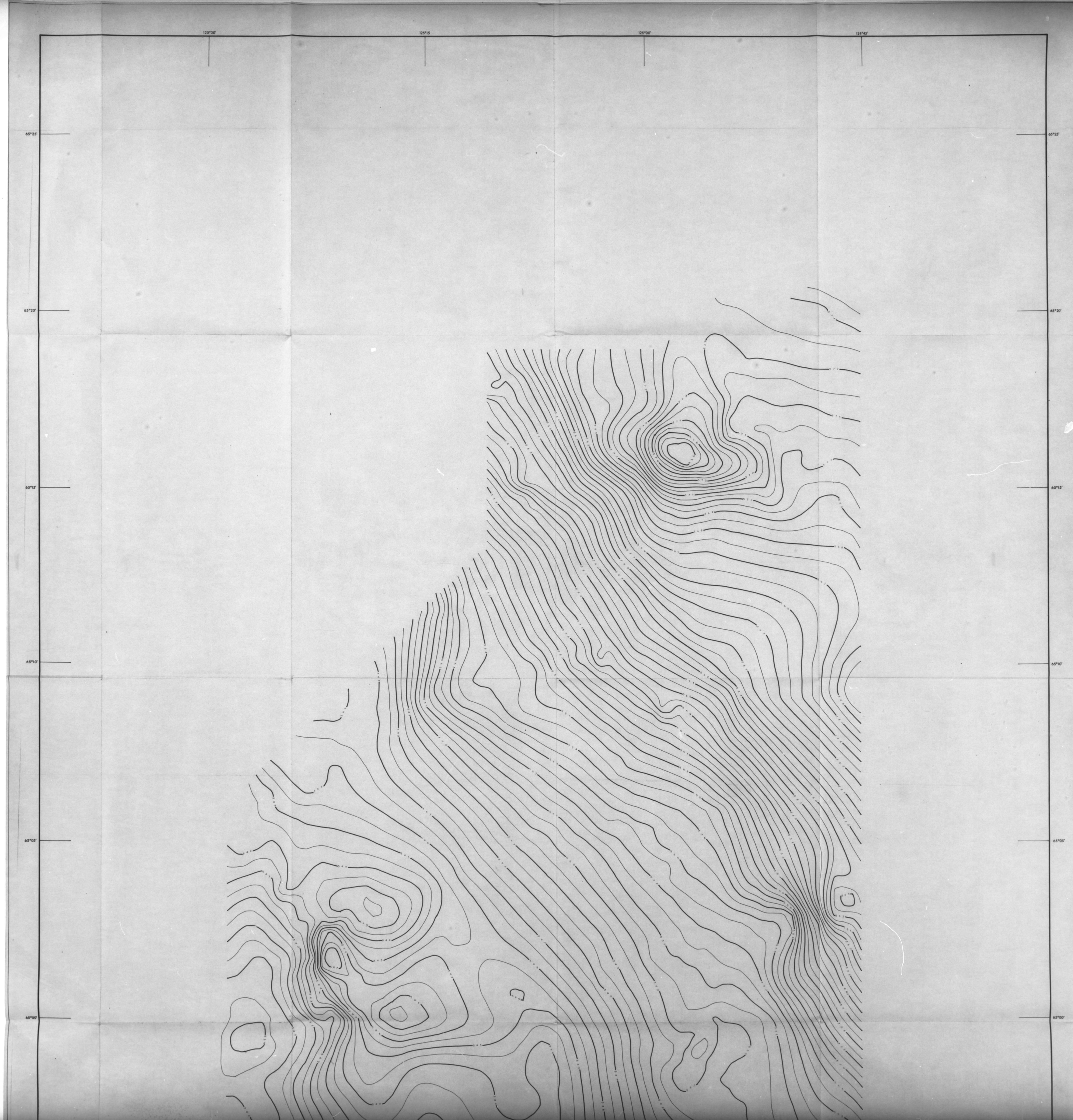


ENCLOSURE 2A

AQUITAINE CO. OF CANADA LTD.
BRACKETT LAKE
BOUGUER GRAVITY

SCALE : 1 INCH = 1 MILE (POLYCONIC)
DENSITY 2.65

CPI COMPUTER DATA PROCESSORS LTD.
PROJECT No. 316666 DATE: NOVEMBER, 1979



65°10'

65°10'

65°05'

65°05'

65°00'

65°00'

64°55'

64°55'

64°50'

64°50'

64°45'

123°30'

123°15'

123°00'

ENCLOSURE 28

AQUITAINE CO. OF CANADA LTD.
BRACKETT LAKE
BOUGUER GRAVITY

GRID INTERVAL : 1500 FEET
CONTOUR INTERVAL : 5 MGALS
SCALE : 1 INCH = 1 MILE (POLYCONIC)
DENSITY : 2.40

COMPUTER DATA PROCESSORS LTD.

PROJECT No. : 314444

DATE : NOVEMBER , 1972