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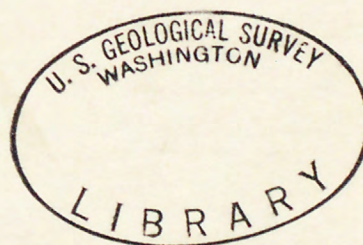
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PRINCIPAL FACTS FOR GRAVITY STATIONS  
IN THE BEARPAW MOUNTAINS AND VICINITY, MONTANA

BY

DONALD L. PETERSON AND WILLIAM L. RAMBO

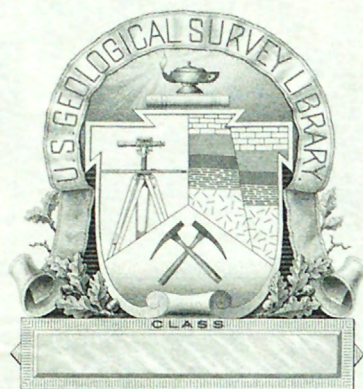
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U. S. GEOLOGICAL SURVEY

Released to open files

July 13, 1967

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GEOLOGIC DIVISION  
U. S. GEOLOGICAL SURVEY  
Washington, D. C.  
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For release JULY 13, 1967

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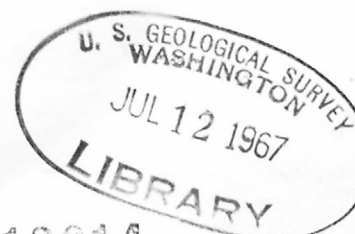
1. Sample size preconcentration requirements for meaningful analysis of gold, by H. Edward Clifton. 1 chart. 108 Skyline Bldg., 508 2nd Ave., Anchorage, Alaska 99501; 504 Custom House, San Francisco, Calif. 94111; 7638 Federal Bldg., Los Angeles, Calif. 90012; 602 Thomas Bldg., Dallas, Texas 75202. Copy from which reproduction can be made at private expense is available in the San Francisco office, shown above.

2. Complete Bouguer gravity anomaly map of the Bearpaw Mountains and vicinity, Montana, by Donald L. Peterson and William L. Rambo. 15 p. tabular text. Montana College of Mineral Science and Technology, Butte, Mont. 59701. Copy from which reproduction can be made at private expense is available in the Spokane office shown in introductory paragraph above.

✓ 3. Principal facts for gravity stations in the Bearpaw Mountains and vicinity, Montana, by Donald L. Peterson and William L. Rambo. Montana College of Mineral Science and Technology, Butte, Mont. 59701.

4. Locations and descriptions of lode mines and prospects in the Fairbanks district, Alaska, by Robert M. Chapman and Robert L. Foster. 28 p., 1 fig., 2 tables. Brooks Bldg., College, Alaska 99735; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. Mines and Minerals, 5th Floor, Goldstein Bldg., Juneau 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504; 108 Skyline Bldg., 508 2nd Ave., Anchorage, Alaska 99401; 504 Custom House, San Francisco, Calif. 94111; 7638 Federal Bldg., Los Angeles, Calif. 90012; 602 Thomas Bldg., Dallas, Texas 75202. Copy from which reproduction can be made at private expense is available in the Alaskan Branch, USGS, 345 Middlefield Rd., Menlo Park, Calif. 94025.

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PRINCIPAL FACTS FOR GRAVITY STATIONS IN THE BEARPAW MOUNTAINS  
AND VICINITY, MONTANA

BY

DONALD L. PETERSON AND WILLIAM L. RAMBO

1967

ABBREVIATIONS OF THE HEADINGS OF THE ACCOMPANYING TABLES OF PRINCIPAL FACTS ARE  
EXPLAINED IN THE FOLLOWING LIST

PACIFIC SW	PROJECT AREA
BEAR PAW MONT	PROJECT AREA
63, 64	THE YEAR THE STATIONS WERE ESTABLISHED
CLEVELAND	GRAVITY BASE STATION LOCATED ABOUT 24 MILES SOUTH OF CHINOOK, MONTANA ALONG A GRADED ROAD, AT THE SMALL SETTLEMENT OF CLEVELAND, IN THE NORTH CORNER OF THE INTERSECTION OF THE TWO GRADED ROADS PASSING THROUGH CLEVELAND, A CONCRETE POST PROJECTING ABOUT 3 1/2 FEET ABOVE THE GROUND WITH A DISK ON TOP STAMPED (STATE HIGHWAY). METER READ ON GROUND AT BASE OF POST. THIS BASE STATION IS TIED TO THE AIRPORT STATION, WA 126, AT LEWISTOWN, MONTANA WITH A VALUE OF 980.4510 (BEHRENDT



	AND WOOLLARD, 1961).
GBV	GRAVITY BASE VALUE IN MILLIGALS
MSV	METER SCALE VALUE
D 1	DENSITY OF 2.67 G PER CC
D 2	DENSITY OF 2.40 G PER CC
STA	STATION NUMBER
LAT	NORTH LATITUDE IN DEGREES, MINUTES, AND HUNDREDTHS OF MINUTES
LONG	WEST LONGITUDE IN DEGREES, MINUTES, AND HUNDREDTHS OF MINUTES
E	ELEVATION IN FEET
MG/OG	MEASURED GRAVITY EXPRESSED TO THE NEAREST TENTH OF A SCALE
	DIVISION
TC	TERRAIN CORRECTION - NOT COMPUTED
OG	OBSERVED GRAVITY IN MILLIGALS
FTH	THEORETICAL GRAVITY IN MILLIGALS
FAA	FREE AIR ANOMALY IN MILLIGALS
BA 1	SIMPLE BOUGUER ANOMALY IN MILLIGALS FOR ASSUMED DENSITY OF 2.67 G PER CC
BA 2	SIMPLE BOUGUER ANOMALY IN MILLIGALS FOR ASSUMED DENSITY OF 2.40 G PER CC
CC	CURVATURE CORRECTION IN MILLIGALS

GRAVITY MEASUREMENTS WERE MADE WITH WORDEN GRAVITY METER NO. W-177.

~~TERRAIN CORRECTIONS WERE COMPUTED BY HAND THROUGH ZONE K USING~~

~~HAYFORD-BOWIE TABLES (SWICK, 1942).~~



#### REFERENCES

BEHRENDT, J. C. , AND WOOLLARD, G. P., 1961, AN EVALUATION OF THE GRAVITY

CONTROL NETWORK IN NORTH AMERICA, GEOPHYSICS, V. 26, P. 57-76.

SWICK, C. H., 1942, PENDULUM GRAVITY MEASUREMENTS AND ISOSTATIC REDUCTIONS, U.S.

COAST AND GEOD. SURVEY SPEC. PUB. 232, 82 P.



PACIFIC SW BEAR PAW MONT 64 CLEVELAND

GBV 980639.40 MSV .49020 D1 2.67 D2 2.40 0007

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC
0365	48	21.94	109 10.32	3170.0	23.40	2650.87	2932.60	16.30	91.70-	80.77-	1.1
0366	48	28.87	109 12.47	2919.0	40.40	2659.20	2942.96	9.32-	108.77-	98.71-	1.0
0367	48	29.75	109 13.53	2918.0	40.00	2659.01	2944.27	10.92-	110.33-	100.28-	1.0
0368	48	25.00	109 8.22	3172.0	19.90	2649.15	2937.17	10.20	97.87-	86.94-	1.1
0369	48	19.70	109 4.30	3465.0	3.20-	2637.83	2929.25	34.34	83.71-	71.77-	1.2
0370	48	16.76	109 3.88	3533.0	1.00-	2638.91	2924.85	46.21	74.16-	61.99-	1.2
0371	48	17.61	109 7.60	3448.0	7.60	2643.13	2926.12	41.17	76.30-	64.42-	1.2
0372	48	18.42	109 8.29	3465.0	.90-	2638.96	2927.34	37.39	80.66-	68.73-	1.2
0373	48	15.97	109 12.80	3835.0	45.90-	2616.90	2923.67	53.77	76.89-	63.68-	1.3
0374	48	9.01	109 14.50	3733.0	62.20-	2608.91	2913.26	46.60	80.58-	67.72-	1.3
0375	48	9.66	109 8.02	4020.0	93.80-	2593.42	2914.23	57.11	79.85-	66.00-	1.3
0376	48	11.02	109 8.39	4781.0	168.70-	2556.70	2916.27	89.88	73.01-	56.54-	1.5
0377	48	12.14	109 8.73	4264.0	101.90-	2589.45	2917.94	72.36	72.91-	58.22-	1.4
0378	48	13.07	109 9.54	4017.0	69.10-	2605.53	2919.34	63.84	73.02-	59.18-	1.3
0379	48	13.90	109 10.22	3828.0	45.70-	2617.00	2920.58	56.30	74.11-	60.92-	1.3
0380	48	28.01	109 19.36	2941.0	36.30	2657.19	2941.67	7.97-	108.17-	98.04-	1.0
0381	48	27.13	109 19.36	3068.0	12.90	2645.72	2940.36	6.19-	110.72-	100.15-	1.1
0382	48	26.29	109 19.36	3298.0	19.30-	2629.94	2939.10	.90	111.46-	100.10-	1.1
0383	48	28.01	109 25.92	2925.0	63.60	2670.58	2941.67	3.91	95.74-	85.66-	1.0
0384	48	28.89	109 27.17	3016.0	58.70	2668.17	2942.99	8.74	94.01-	83.62-	1.1
0385	48	25.89	109 27.88	3278.0	18.30	2648.37	2938.50	18.05	93.63-	82.34-	1.1
0386	48	15.89	109 15.27	4857.0	183.50-	2549.45	2923.55	82.48	82.99-	66.26-	1.5
0387	48	21.12	109 21.49	3571.0	36.60-	2621.46	2931.37	25.81	95.85-	83.55-	1.2
0388	48	20.30	109 21.80	3637.0	40.90-	2619.35	2930.15	31.13	92.78-	80.25-	1.2
0389	48	21.10	109 16.82	3345.0	12.60-	2633.22	2931.34	16.36	97.60-	86.08-	1.1
0390	48	19.85	109 16.13	3897.0	80.60-	2599.89	2929.47	36.78	95.99-	82.56-	1.3
0391	48	17.60	109 24.60	3954.0	73.70-	2603.27	2926.11	48.88	85.83-	72.20-	1.3
0392	48	18.42	109 26.22	4102.0	100.50-	2590.13	2927.34	48.43	91.33-	77.19-	1.3
0393	48	16.59	109 23.90	4249.0	98.20-	2591.26	2924.60	66.11	78.65-	64.01-	1.4
0394	48	15.76	109 24.38	4438.0	120.70-	2580.23	2923.36	74.08	77.12-	61.83-	1.4
0395	48	16.42	109 21.40	4036.0	76.90-	2601.70	2924.35	56.78	80.72-	66.81-	1.3
0396	48	15.02	109 21.08	4377.0	116.40-	2582.34	2922.25	71.57	77.56-	62.48-	1.4
0397	48	15.41	109 18.51	5353.0	250.00-	2516.85	2922.83	97.21	85.16-	66.72-	1.6
0398	48	10.68	109 26.84	4489.0	158.60-	2561.65	2915.76	67.89	85.04-	69.58-	1.4
0399	48	8.20	109 23.54	4618.0	188.70-	2546.90	2912.05	68.98	88.35-	72.44-	1.5
0400	48	14.10	109 16.81	4151.0	91.30-	2594.64	2920.88	64.00	77.42-	63.12-	1.4
0401	48	9.51	109 17.08	4247.0	134.80-	2573.32	2914.01	58.57	86.12-	71.49-	1.4
0402	48	5.29	109 22.92	4065.0	133.60-	2573.91	2907.69	48.37	90.12-	76.11-	1.3
0403	48	6.35	109 24.77	4607.0	197.20-	2542.73	2909.28	66.54	90.41-	74.54-	1.5
0404	48	7.07	109 23.68	4681.0	206.20-	2538.32	2910.36	68.01	91.47-	75.34-	1.5
0405	48	.14	109 9.20	3368.0	75.30-	2602.49	2899.99	19.15	95.59-	83.99-	1.2
0406	48	1.58	109 10.17	3574.0	99.40-	2590.67	2902.14	24.54	97.23-	84.91-	1.2
0407	48	16.80	109 43.20	4019.0	92.50-	2594.06	2924.91	46.98	89.95-	76.10-	1.3
0408	48	17.80	109 43.87	3957.0	82.60-	2598.91	2926.41	44.50	90.31-	76.67-	1.3
0409	48	18.90	109 43.20	4244.0	114.10-	2583.47	2928.05	54.39	90.20-	75.58-	1.4



PACIFIC SW BEAR PAW MONT 64 CLEVELAND GBV 980639.40 MSV .49020 D1 2.67 D2 2.40 0007												
STA	LAT	LONG	E	MG/DG	TC	DG	FTH	FAA	BA1	BA2	CC	
0410	48	21.10	109 42.78	3976.0	85.80-	2597.34	2931.34	39.79	95.67-	81.98-	1.3	
0411	48	23.68	109 40.19	3452.0	10.70-	2634.15	2935.20	23.49	94.12-	82.22-	1.2	
0412	48	20.82	109 32.68	3733.0	48.50-	2615.63	2930.93	35.66	91.52-	78.66-	1.3	
0413	48	22.42	109 35.41	4290.0	119.10-	2581.02	2933.32	51.00	95.15-	80.37-	1.4	
0414	48	23.67	109 35.00	3706.0	34.40-	2622.54	2935.19	35.77	90.49-	77.73-	1.2	
0415	48	24.74	109 30.59	3471.0	8.50-	2635.23	2936.78	24.77	93.48-	81.53-	1.2	
0416	48	25.45	109 35.03	3528.0	2.20-	2638.32	2937.85	32.16	88.04-	75.88-	1.2	
0417	48	27.14	109 38.90	3145.0	37.60	2657.83	2940.37	13.14	94.01-	83.17-	1.1	
0418	48	18.50	109 48.00	3677.0	54.80-	2612.54	2927.46	30.77	94.50-	81.83-	1.2	
0419	48	21.10	109 48.00	3429.0	22.00-	2628.62	2931.34	19.65	97.17-	85.36-	1.2	
0420	48	22.80	109 48.00	3119.0	18.40	2648.42	2933.88	7.77	98.49-	87.74-	1.1	
0421	48	21.95	109 49.30	3080.0	24.80	2651.56	2932.61	8.52	96.41-	85.80-	1.1	
0422	48	20.98	109 52.00	3000.0	32.50	2655.33	2931.16	6.22	95.99-	85.65-	1.0	
0423	48	27.16	109 46.70	2965.0	49.30	2663.57	2940.40	1.93	99.08-	88.87-	1.0	
0424	48	28.02	109 49.29	2688.0	85.70	2681.41	2941.69	7.55-	99.13-	89.87-	1.0	
0425	48	27.18	109 49.29	2739.0	75.80	2676.56	2940.43	6.35-	99.67-	90.23-	1.0	
0426	48	26.31	109 49.29	2800.0	65.30	2671.41	2939.13	4.47-	99.86-	90.22-	1.0	
0427	48	27.17	109 50.60	2660.0	86.50	2681.80	2940.42	8.52-	99.15-	89.98-	.9	
0428	48	27.17	109 55.80	2641.0	88.10	2682.59	2940.42	9.52-	99.50-	90.40-	.9	
0429	48	27.17	109 57.06	2726.0	76.90	2677.10	2940.42	7.02-	99.89-	90.50-	1.0	
0430	48	14.15	109 45.40	3919.0	77.00-	2601.65	2920.95	49.13	84.38-	70.88-	1.3	
0431	48	11.79	109 46.23	4295.0	121.50-	2579.84	2917.42	66.19	80.14-	65.34-	1.4	
0432	48	12.25	109 44.72	4599.0	165.10-	2558.47	2918.11	72.70	83.98-	68.14-	1.5	
0433	48	10.00	109 46.43	4200.0	104.30-	2588.27	2914.74	68.37	74.72-	60.25-	1.4	
0434	48	9.78	109 45.29	4361.0	105.60-	2587.63	2914.41	83.19	65.38-	50.36-	1.4	
0435	48	10.20	109 42.71	5026.0	185.40-	2548.52	2915.04	105.95	65.28-	47.97-	1.5	
0436	48	6.17	109 47.39	4130.0	127.00-	2577.14	2909.01	56.39	84.31-	70.08-	1.4	
0437	48	1.80	109 45.20	3568.0	92.00-	2594.30	2902.47	27.27	94.29-	81.99-	1.2	
0438	48	1.00	109 47.46	3471.0	80.70-	2599.84	2901.27	24.89	93.36-	81.40-	1.2	
0439	48	5.35	109 59.16	3130.0	44.40-	2617.64	2907.78	4.13	102.51-	91.72-	1.1	
0440	48	7.10	109 54.00	3551.0	74.80-	2602.73	2910.40	26.17	94.81-	82.57-	1.2	
0441	48	7.98	109 54.00	3519.0	70.00-	2605.09	2911.72	24.21	95.68-	83.56-	1.2	
0442	48	11.24	109 53.63	4048.0	135.50-	2572.98	2916.60	36.94	100.97-	87.03-	1.3	
0443	48	7.95	109 59.15	3309.0	59.10-	2610.43	2911.68	9.86	102.88-	91.48-	1.1	
0444	48	12.12	109 57.90	3071.0	20.00-	2629.60	2917.91	.41	104.21-	93.63-	1.1	
0445	48	13.14	109 58.50	2966.0	3.30-	2637.78	2919.44	2.80-	103.85-	93.63-	1.0	
0446	48	13.14	109 59.80	2874.0	6.80	2642.73	2919.44	6.50-	104.41-	94.51-	1.0	
0447	48	7.05	109 43.32	4525.0	161.30-	2560.33	2910.33	75.39	78.77-	63.18-	1.4	
0448	48	1.16	109 41.46	3701.0	107.80-	2586.56	2901.51	32.99	93.10-	80.35-	1.2	
0449	48	1.00	109 38.40	3678.0	109.10-	2585.92	2901.27	30.43	94.88-	82.20-	1.2	
0450	48	13.29	109 34.80	4489.0	128.50-	2576.41	2919.66	78.75	74.19-	58.72-	1.4	
0451	48	14.89	109 36.80	4636.0	156.60-	2562.63	2922.06	76.39	81.55-	65.58-	1.5	
0452	48	5.92	109 31.00	4828.0	221.10-	2531.02	2908.64	76.25	88.24-	71.61-	1.5	
0453	48	5.31	109 33.28	4379.0	167.90-	2557.10	2907.72	61.04	88.15-	73.06-	1.4	
0454	48	4.67	109 34.80	4170.0	145.10-	2568.27	2906.77	53.53	88.54-	74.17-	1.4	

PACIFIC SW BEAR PAW MONT 64 CLEVELAND GBV 980639.40 MSV .49020 D1 2.67 D2 2.40 0007											
STA	LAT	LONG	E	MG/DG	TC	DG	FTH	FAA	BA1	BA2	CC
0455	48	10.94	109 35.25	4901.0	193.80-	2544.40	2916.15	88.97	78.00-	61.12-	1.5
0456	48	1.38	109 6.58	3312.0	48.30-	2615.72	2901.84	25.26	87.58-	76.17-	1.1
0457	48	.05	109 5.30	3341.0	71.20-	2604.50	2899.85	18.76	95.07-	83.56-	1.1
0458	48	12.58	109 19.10	4004.5	88.10-	2596.21	2918.60	54.08	82.35-	68.56-	1.3
0459	48	12.43	109 19.10	4026.7	91.80-	2594.40	2918.38	54.58	82.61-	68.74-	1.3
0460	48	12.22	109 19.10	4059.4	97.90-	2591.41	2918.06	54.98	83.33-	69.34-	1.3
0461	48	11.88	109 18.82	4075.9	102.50-	2589.15	2917.56	54.77	84.09-	70.05-	1.3
0462	48	11.69	109 18.59	4119.7	108.80-	2586.07	2917.27	56.10	84.26-	70.07-	1.4
0463	48	11.55	109 18.40	4131.2	112.90-	2584.06	2917.06	55.38	85.37-	71.14-	1.4
0464	48	11.41	109 18.46	4154.0	115.10-	2582.98	2916.85	56.65	84.88-	70.56-	1.4
0465	48	11.34	109 18.64	4174.0	118.30-	2581.41	2916.75	57.06	85.14-	70.76-	1.4
0466	48	11.16	109 18.91	4221.3	126.50-	2577.39	2916.48	57.76	86.06-	71.52-	1.4
0467	48	10.99	109 18.92	4264.0	134.80-	2573.32	2916.22	57.95	87.32-	72.63-	1.4
0468	48	10.97	109 19.20	4306.6	138.00-	2571.75	2916.19	60.42	86.30-	71.47-	1.4
0469	48	10.80	109 19.40	4347.5	144.50-	2568.57	2915.94	61.34	86.78-	71.80-	1.4
0470	48	10.53	109 19.44	4428.8	154.90-	2563.47	2915.54	64.28	86.60-	71.35-	1.4
0471	48	10.33	109 19.51	4471.8	160.90-	2560.53	2915.24	65.68	86.67-	71.26-	1.4
0472	48	10.14	109 19.57	4433.4	157.40-	2562.24	2914.95	64.07	86.98-	71.70-	1.4
0473	48	10.04	109 19.34	4345.1	146.90-	2567.39	2914.80	61.07	86.97-	72.00-	1.4
0474	48	7.68	109 17.90	3922.1	102.90-	2588.96	2911.27	46.41	87.21-	73.70-	1.3
0475	48	7.93	109 17.89	3941.7	103.00-	2588.91	2911.65	47.83	86.46-	72.88-	1.3
0476	48	8.12	109 17.98	3947.1	102.40-	2589.20	2911.93	48.35	86.13-	72.53-	1.3
0477	48	8.29	109 18.10	3963.1	103.30-	2588.76	2912.18	49.16	85.86-	72.21-	1.3
0478	48	8.44	109 18.17	4015.9	108.70-	2586.12	2912.41	51.25	85.57-	71.73-	1.3
0479	48	8.62	109 18.22	4060.2	113.80-	2583.62	2912.68	52.65	85.68-	71.69-	1.3
0480	48	8.83	109 18.36	4104.2	118.40-	2581.36	2912.99	54.21	85.62-	71.48-	1.3
0481	48	12.84	109 21.98	4188.2	106.10-	2587.39	2918.99	62.13	80.56-	66.13-	1.4
0482	48	12.64	109 21.98	4188.5	107.80-	2586.56	2918.69	61.63	81.07-	66.64-	1.4
0483	48	12.41	109 21.98	4164.8	108.40-	2586.26	2918.35	59.45	82.44-	68.10-	1.4
0484	48	12.25	109 21.98	4137.8	107.30-	2586.80	2918.11	57.69	83.28-	69.03-	1.4
0499	48	12.06	109 22.09	4200.9	116.60-	2582.24	2917.82	59.34	83.78-	69.30-	1.4
0500	48	11.97	109 22.48	4236.2	121.30-	2579.94	2917.69	60.50	83.83-	69.23-	1.4
0501	48	11.76	109 22.68	4222.3	120.70-	2580.23	2917.38	59.79	84.06-	69.51-	1.4
0502	48	11.67	109 22.90	4253.5	125.50-	2577.88	2917.24	60.51	84.40-	69.75-	1.4
0503	48	11.57	109 23.10	4285.6	129.10-	2576.12	2917.09	61.92	84.09-	69.33-	1.4
0504	48	11.41	109 23.23	4317.1	134.30-	2573.57	2916.85	62.57	84.51-	69.64-	1.4
0505	48	11.29	109 23.47	4326.1	136.20-	2572.63	2916.67	62.65	84.73-	69.83-	1.4
0506	48	11.16	109 23.78	4386.6	143.70-	2568.96	2916.48	64.86	84.59-	69.47-	1.4
0507	48	9.76	109 19.11	4285.2	139.90-	2570.82	2914.38	59.29	86.71-	71.94-	1.4
0508	48	9.60	109 19.00	4287.0	140.20-	2570.67	2914.14	59.55	86.51-	71.74-	1.4
0509	48	9.36	109 18.92	4225.0	132.80-	2574.30	2913.78	57.71	86.23-	71.68-	1.4
0510	48	9.21	109 18.70	4167.7	125.70-	2577.78	2913.56	56.03	85.96-	71.60-	1.4
0069	48	8.43	109 8.70	3800.0	76.00-	2602.14	2912.39	47.00	82.47-	69.37-	1.3
0074	48	13.37	109 13.89	3797.0	48.30-	2615.72	2919.78	52.90	76.46-	63.38-	1.3
0095	48	11.96	109 19.10	4095.0	104.90-	2587.98	2917.67	55.28	84.23-	70.12-	1.3



PACIFIC SW BEAR PAW MONT 64 CLEVELAND

GBV 980639.40 MSV .49020 D1 2.67 D2 2.40

0007

STA	LAT	LONG	E	MG/DG	TC	DG	FTH	FAA	BA1	BA2	CC
0096	48	9.94	109 19.28	4307.0	142.40-	2569.60	2914.65	59.85	86.89-	72.05-	1.4
0102	47	46.20	109 23.30	3240.0	123.00-	2579.11	2879.11	4.62	105.77-	94.60-	1.1
0103	47	46.60	109 24.40	3209.0	114.40-	2583.32	2879.71	5.32	104.01-	92.96-	1.1
0109	48	11.93	109 22.60	4235.0	121.30-	2579.94	2917.63	60.44	83.84-	69.25-	1.4
0118	48	8.23	109 25.60	4726.0	191.40-	2545.58	2912.09	77.76	83.25-	66.97-	1.5
0128	48	3.00	109 15.80	3626.0	89.60-	2595.48	2904.27	32.11	91.43-	78.93-	1.2
0155	47	45.50	109 22.40	2880.0	78.20-	2601.07	2878.06	6.21-	104.33-	94.41-	1.0

PACIFIC SW BEAR PAW MONT 63 CLEVELAND

GBV 980639.40 MSV .49070 D1 2.67 D2 2.40

0355

STA	LAT	LONG	E	MG/DG	TC	DG	FTH	FAA	BA1	BA2	CC
0001	48 16.55	109 8.35	3517.0	1.00-		2638.91	2924.54	45.02	74.80-	62.69-	1.2
0002	48 16.91	109 7.27	3463.0	9.40		2644.01	2925.08	44.51	73.48-	61.55-	1.2
0003	48 17.15	109 6.01	3407.0	18.30		2648.38	2925.44	43.25	72.82-	61.08-	1.2
0004	48 17.45	109 5.06	3364.0	19.00		2648.72	2925.89	39.10	75.51-	63.92-	1.2
0005	48 17.85	109 4.02	3330.0	24.10		2651.23	2926.48	37.82	75.63-	64.16-	1.1
0006	48 16.70	109 1.19	3315.0	29.10		2653.68	2924.76	40.58	72.36-	60.94-	1.1
0007	48 15.85	109 .41	3358.0	19.10		2648.77	2923.49	40.98	73.42-	61.85-	1.2
0008	48 18.19	109 1.45	3300.0	25.80		2652.06	2926.99	35.32	77.11-	65.74-	1.1
0009	48 18.45	109 2.49	3311.0	22.10		2650.24	2927.38	34.15	78.66-	67.25-	1.1
0010	48 18.20	109 3.85	3324.0	22.80		2650.59	2927.01	36.09	77.16-	65.70-	1.1
0011	48 21.52	109 3.55	3203.0	31.50		2654.86	2931.97	24.02	85.10-	74.06-	1.1
0012	48 22.98	109 3.80	3072.0	46.10		2662.02	2934.15	16.69	87.97-	77.39-	1.1
0013	48 23.10	109 1.90	2984.0	62.90		2670.27	2934.33	16.49	85.18-	74.90-	1.0
0014	48 23.66	109 4.33	2984.0	56.20		2666.98	2935.17	12.36	89.30-	79.02-	1.0
0015	48 21.93	109 6.05	3262.0	16.90		2647.69	2932.58	21.79	89.35-	78.11-	1.1
0016	48 23.78	109 5.50	2979.0	54.00		2665.90	2935.35	10.63	90.86-	80.60-	1.0
0017	48 24.16	109 3.80	2928.0	64.80		2671.20	2935.92	10.57	89.19-	79.10-	1.0
0018	48 24.95	109 3.80	2906.0	68.00		2672.77	2937.10	8.89	90.12-	80.10-	1.0
0019	48 25.68	109 3.80	2944.0	64.20		2670.90	2938.19	9.50	90.80-	80.66-	1.0
0020	48 25.62	109 4.78	2953.0	59.60		2668.65	2938.10	8.19	92.42-	82.25-	1.0
0021	48 25.18	109 6.41	3011.0	47.00		2662.46	2937.44	8.10	94.48-	84.10-	1.1
0022	48 24.67	109 6.33	3017.0	46.20		2662.07	2936.68	9.04	93.75-	83.35-	1.1
0023	48 25.72	109 6.41	2968.0	52.40		2665.11	2938.25	5.91	95.21-	84.99-	1.0
0024	48 26.74	109 7.46	2823.0	66.90		2672.23	2939.77	2.13-	98.31-	88.58-	1.0
0025	48 27.36	109 8.09	2752.0	73.60		2675.52	2940.70	6.44-	100.20-	90.72-	1.0
0026	48 28.40	109 8.99	2830.0	61.20		2669.43	2942.25	6.75-	103.17-	93.42-	1.0
0027	48 28.86	109 9.19	2869.0	56.40		2667.08	2942.94	6.12-	103.87-	93.98-	1.0
0028	48 28.86	109 7.70	2852.0	64.50		2671.05	2942.94	3.75-	100.92-	91.09-	1.0
0029	48 28.86	109 6.38	2801.0	76.30		2676.84	2942.94	2.76-	98.18-	88.53-	1.0
0030	48 28.86	109 5.41	2784.0	82.20		2679.74	2942.94	1.45-	96.30-	86.71-	1.0
0031	48 28.86	109 3.80	2746.0	93.70		2685.38	2942.94	.62	92.94-	83.48-	1.0
0032	48 28.86	109 2.50	2712.0	102.20		2689.55	2942.94	1.59	90.81-	81.46-	1.0
0033	48 28.86	109 1.19	2663.0	112.60		2694.65	2942.94	2.08	88.64-	79.47-	.9
0034	48 28.20	109 3.80	2719.0	96.10		2686.56	2941.96	.24	92.39-	83.02-	1.0
0035	48 27.72	109 3.80	2693.0	98.90		2687.93	2941.24	.11-	91.86-	82.58-	1.0
0036	48 27.05	109 3.80	2709.0	96.40		2686.70	2940.24	1.16	91.13-	81.80-	1.0
0037	48 28.86	109 10.30	2949.0	41.40		2659.71	2942.94	5.97-	106.44-	96.28-	1.0
0038	48 28.86	109 11.49	2946.0	39.10		2658.59	2942.94	7.38-	107.74-	97.59-	1.0
0039	48 28.00	109 11.61	2933.0	39.40		2658.73	2941.66	7.17-	107.10-	96.99-	1.0
0040	48 27.00	109 11.61	2936.0	38.70		2658.39	2940.16	5.74-	105.76-	95.65-	1.0
0041	48 26.15	109 11.38	2875.0	47.90		2662.90	2938.89	5.69-	103.64-	93.73-	1.0
0042	48 25.49	109 13.60	3008.0	26.30		2652.31	2937.91	2.79-	105.27-	94.91-	1.1
0043	48 25.40	109 11.61	2918.0	43.00		2660.50	2937.77	2.93-	102.34-	92.29-	1.0
0044	48 24.74	109 11.30	2882.0	50.30		2664.08	2936.78	1.74-	99.93-	90.00-	1.0
0045	48 24.09	109 14.23	3029.0	27.80		2653.04	2935.81	2.01	101.19-	90.75-	1.1



PACIFIC SW BEAR PAW MONT 63 CLEVELAND GBV 980639.40 MSV .49070 D1 2.67 D2 2.40 0355

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC
0046	48 23.95	109 12.49	2954.0	40.20		2659.13	2935.60	1.26	99.38=	89.21=	1.0
0047	48 23.45	109 12.62	3004.0	35.30		2656.72	2934.86	4.29	98.05=	87.70=	1.1
0048	48 22.15	109 12.60	3075.0	29.90		2654.07	2932.91	10.26	94.50=	83.91=	1.1
0049	48 21.32	109 12.89	3114.0	31.60		2654.91	2931.67	16.01	90.08=	79.36=	1.1
0050	48 20.95	109 11.75	3276.0	11.60		2645.09	2931.12	21.97	89.64=	78.36=	1.1
0051	48 20.10	109 11.60	3317.0	7.50		2643.08	2929.85	25.08	87.92=	76.50=	1.1
0052	48 21.08	109 9.00	3142.0	29.40		2653.83	2931.31	17.92	89.13=	78.30=	1.1
0053	48 19.06	109 9.01	3364.0	5.60		2642.15	2928.29	30.13	84.48=	72.89=	1.2
0054	48 17.89	109 11.65	3518.0	10.20=		2634.39	2926.54	38.59	81.27=	69.15=	1.2
0055	48 18.53	109 14.24	3547.0	13.90=		2632.58	2927.50	38.55	82.30=	70.08=	1.2
0056	48 19.38	109 12.52	3320.0	7.90		2643.28	2928.77	26.64	86.47=	75.03=	1.1
0057	48 19.67	109 11.68	3271.0	14.20		2646.37	2929.21	24.69	86.75=	75.48=	1.1
0058	48 17.38	109 11.50	3514.0	9.80=		2634.59	2925.78	39.18	80.54=	68.44=	1.2
0059	48 16.73	109 10.31	3527.0	9.20=		2634.89	2924.81	41.67	78.49=	66.34=	1.2
0060	48 15.01	109 10.51	3643.0	23.40=		2627.92	2922.24	48.18	75.94=	63.39=	1.2
0061	48 13.25	109 6.18	4289.0	95.80=		2592.39	2919.60	75.99	70.13=	55.35=	1.4
0062	48 11.50	109 2.30	3590.0	34.20=		2622.62	2916.99	43.14	79.16=	66.80=	1.2
0063	48 10.39	109 .30	3355.0	19.80=		2629.68	2915.33	29.78	84.52=	72.97=	1.2
0064	48 5.29	109 1.00	3250.0	40.10=		2619.72	2907.69	17.58	93.14=	81.95=	1.1
0065	48 6.15	109 3.60	3407.0	52.50=		2613.64	2908.98	24.97	91.10=	79.37=	1.2
0066	48 8.02	109 4.88	3630.0	64.20=		2607.90	2911.78	37.39	86.28=	73.77=	1.2
0067	48 8.41	109 4.50	3695.0	67.60=		2606.23	2912.36	41.25	84.64=	71.91=	1.2
0068	48 8.14	109 6.28	3779.0	77.50=		2601.37	2911.96	44.69	84.06=	71.04=	1.3
0069	48 8.43	109 8.70	3799.0	75.30=		2602.45	2912.39	47.21	82.22=	69.13=	1.3
0070	48 9.40	109 11.39	3888.0	75.00=		2602.60	2913.84	54.28	78.18=	64.79=	1.3
0071	48 10.62	109 13.59	3932.0	76.50=		2601.86	2915.67	55.85	78.11=	64.57=	1.3
0072	48 12.87	109 16.54	3911.0	69.40=		2605.35	2919.04	54.00	79.25=	65.77=	1.3
0073	48 13.17	109 14.68	3823.0	52.90=		2613.44	2919.48	53.37	76.88=	63.71=	1.3
0074	48 13.37	109 13.89	3797.0	47.40=		2616.14	2919.78	53.32	76.04=	62.96=	1.3
0075	48 7.01	109 8.75	3601.0	63.00=		2608.49	2910.27	36.77	85.92=	73.51=	1.2
0076	48 6.60	109 6.74	3656.0	75.50=		2602.35	2909.66	36.41	88.15=	75.55=	1.2
0077	48 4.65	109 5.76	3433.0	64.90=		2607.55	2906.74	23.57	93.39=	81.56=	1.2
0078	48 3.57	109 3.60	3352.0	60.60=		2609.66	2905.12	19.68	94.52=	82.97=	1.2
0079	48 2.70	109 3.60	3305.0	57.30=		2611.28	2903.82	18.19	94.41=	83.03=	1.1
0080	48 2.70	109 2.30	3257.0	51.80=		2613.98	2903.82	16.37	94.59=	83.37=	1.1
0081	48 2.42	109 4.37	3297.0	54.20=		2612.80	2903.40	19.37	92.95=	81.59=	1.1
0082	48 1.35	109 3.60	2972.0	16.50=		2631.30	2901.80	8.93	92.33=	82.09=	1.0
0083	48 3.12	109 7.46	3315.0	55.30=		2612.26	2904.45	19.48	93.46=	82.04=	1.1
0084	48 2.70	109 10.03	3397.0	68.10=		2605.98	2903.82	21.53	94.20=	82.50=	1.2
0085	48 4.30	109 12.59	3570.0	77.60=		2601.32	2906.21	30.74	90.89=	78.59=	1.2
0086	48 4.44	109 11.37	3529.0	72.90=		2603.63	2906.42	28.99	91.24=	79.09=	1.2
0087	48 5.29	109 10.08	3348.0	43.30=		2618.15	2907.69	25.22	88.84=	77.31=	1.2
0088	48 3.42	109 12.60	3443.0	65.30=		2607.36	2904.90	26.16	91.14=	79.28=	1.2
0089	48 1.50	109 13.30	3753.0	115.80=		2582.58	2902.02	33.39	94.47=	81.54=	1.3
0090	47 59.80	109 11.18	3504.0	91.50=		2594.50	2899.48	24.45	94.93=	82.85=	1.2

PACIFIC SW BEAR PAW MONT 63 CLEVELAND GBV 980639.40 MSV .49070 D1 2.67 D2 2.40 0355											
STA	LAT	LONG	E	MG/DG	TC	DG	FTH	FAA	BA1	BA2	CC
0091	48 .95	109 12.58	3671.0	116.00-		2582.48	2901.20	26.41	98.66-	86.01-	1.2
0092	48 4.49	109 13.79	3687.0	89.10-		2595.68	2906.50	35.81	89.80-	77.10-	1.2
0093	48 4.60	109 14.83	3728.0	96.50-		2592.05	2906.66	35.87	91.14-	78.30-	1.3
0094	48 12.85	109 19.11	3985.0	83.70-		2598.33	2919.01	53.96	81.80-	68.08-	1.3
0095	48 11.96	109 19.10	4095.0	104.50-		2588.12	2917.67	55.42	84.09-	69.98-	1.3
0096	48 9.94	109 19.28	4307.0	144.50-		2568.49	2914.65	58.74	88.00-	73.16-	1.4
0097	48 9.09	109 18.49	4106.0	118.40-		2581.30	2913.38	53.93	85.96-	71.81-	1.3
0098	48 7.50	109 17.97	3876.0	96.50-		2592.05	2911.00	45.44	86.61-	73.26-	1.3
0099	48 6.57	109 18.25	3890.0	105.50-		2587.63	2909.61	43.73	88.80-	75.40-	1.3
0100	48 5.71	109 18.18	3836.0	102.70-		2589.01	2908.32	41.32	89.37-	76.15-	1.3
0101	48 4.75	109 18.56	3816.0	103.20-		2588.76	2906.89	40.63	89.38-	76.23-	1.3
0102	47 46.20	109 23.30	3241.0	122.30-		2579.39	2879.11	4.99	105.43-	94.26-	1.1
0103	47 46.60	109 24.40	3209.0	113.70-		2583.61	2879.71	5.61	103.72-	92.67-	1.1
0104	47 52.70	109 21.70	3558.0	132.80-		2574.24	2888.85	19.90	101.32-	89.06-	1.2
0105	47 53.10	109 22.40	3580.0	134.70-		2573.30	2889.45	20.43	101.54-	89.20-	1.2
0106	48 14.74	109 11.46	3698.0	31.80-		2623.80	2921.83	49.63	76.36-	63.62-	1.2
0107	48 14.12	109 20.25	4271.0	107.90-		2586.45	2920.91	67.06	78.45-	63.74-	1.4
0108	48 13.02	109 21.98	4200.0	105.40-		2587.68	2919.26	63.26	79.83-	65.36-	1.4
0109	48 11.93	109 22.60	4235.0	120.90-		2580.07	2917.63	60.57	83.71-	69.12-	1.4
0110	48 10.99	109 23.94	4439.0	150.60-		2565.50	2916.22	66.58	84.65-	69.36-	1.4
0111	48 12.80	109 23.40	4358.0	124.70-		2578.21	2918.93	68.97	79.50-	64.49-	1.4
0112	48 13.01	109 24.68	4476.0	138.70-		2571.34	2919.25	72.88	79.62-	64.20-	1.4
0113	48 12.52	109 29.62	4060.0	87.50-		2596.46	2918.51	59.63	78.69-	64.70-	1.3
0114	48 11.18	109 29.29	4189.0	118.40-		2581.30	2916.51	58.60	84.11-	69.68-	1.4
0115	48 10.58	109 29.83	4253.0	126.70-		2577.23	2915.61	61.44	83.45-	68.80-	1.4
0116	48 9.89	109 29.60	4334.0	140.60-		2570.41	2914.58	63.27	84.39-	69.46-	1.4
0117	48 8.75	109 28.27	5013.0	233.90-		2524.63	2912.87	83.00	87.78-	70.51-	1.5
0118	48 8.23	109 25.60	4726.0	191.00-		2545.68	2912.09	77.86	83.15-	66.87-	1.5
0119	48 7.46	109 28.01	4852.0	218.10-		2532.38	2910.94	77.56	87.75-	71.03-	1.5
0120	48 6.39	109 28.34	4660.0	196.00-		2543.22	2909.34	71.95	86.81-	70.75-	1.5
0121	48 5.93	109 29.01	4825.0	218.70-		2532.08	2908.65	77.01	87.38-	70.75-	1.5
0122	48 5.30	109 28.80	4864.0	228.00-		2527.52	2907.71	77.06	88.66-	71.90-	1.5
0123	48 4.76	109 28.37	4606.0	198.40-		2542.05	2906.90	68.15	88.77-	72.91-	1.5
0124	48 4.12	109 26.80	4312.0	166.60-		2557.65	2905.94	57.08	89.83-	74.97-	1.4
0125	48 2.79	109 24.78	4200.0	156.60-		2562.56	2903.95	53.45	89.64-	75.17-	1.4
0126	48 2.50	109 22.87	4222.0	161.50-		2560.15	2903.52	53.54	90.30-	75.75-	1.4
0127	48 4.72	109 17.78	3798.0	101.50-		2589.59	2906.84	39.81	89.58-	76.50-	1.3
0128	48 3.00	109 15.80	3626.0	84.50-		2597.94	2904.27	34.57	88.97-	76.47-	1.2
0129	48 2.19	109 15.56	3694.0	101.70-		2589.50	2903.05	33.73	92.12-	79.39-	1.2
0130	48 1.69	109 17.92	3894.0	126.60-		2577.28	2902.31	41.06	91.61-	78.19-	1.3
0131	48 2.70	109 19.03	4129.0	151.60-		2565.01	2903.82	49.36	91.31-	77.08-	1.4
0132	48 2.49	109 19.99	4044.0	139.20-		2571.09	2903.50	47.77	90.01-	76.07-	1.3
0133	48 3.56	109 21.87	4165.0	150.80-		2565.40	2905.11	51.85	90.05-	75.70-	1.4
0134	48 2.89	109 22.68	4357.0	177.20-		2552.45	2904.10	57.95	90.49-	75.48-	1.4
0135	48 2.16	109 23.17	4195.0	161.00-		2560.40	2903.01	51.76	91.16-	76.70-	1.4



PACIFIC SW BEAR PAW MONT 63 CLEVELAND

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0355

STA	LAT	LONG	E	MG/DG	TC	DG	PTH	FAA	BA1	BA2	CC	
0136	48	1.77	109 23.98	4044.0		144.00-	2568.74	2902.43	46.50	91.28-	77.35-	1.3
0137	48	1.00	109 29.24	3945.0		136.60-	2572.37	2901.27	41.98	92.43-	78.84-	1.3
0138	48	.44	109 29.92	3802.0		125.90-	2577.62	2900.44	34.62	94.91-	81.81-	1.3
0139	48	1.10	109 27.09	3904.0		134.20-	2573.55	2901.42	39.15	93.85-	80.40-	1.3
0140	48	1.50	109 26.06	3931.0		132.00-	2574.63	2902.02	42.17	91.75-	78.21-	1.3
0141	48	.29	109 25.30	3794.0		128.50-	2576.35	2900.21	32.83	96.43-	83.36-	1.3
0142	48	4.69	109 19.98	4046.0		131.40-	2574.92	2906.80	48.49	89.35-	75.41-	1.3
0143	48	4.22	109 21.08	3984.0		125.80-	2577.67	2906.09	46.12	89.61-	75.89-	1.3
0144	47	59.70	109 25.70	3800.0		135.90-	2572.71	2899.33	30.63	98.83-	85.74-	1.3
0145	47	58.90	109 25.50	3642.0		118.80-	2581.10	2898.13	25.37	98.71-	86.16-	1.2
0146	47	58.10	109 24.70	3702.0		126.10-	2577.52	2896.93	28.63	97.50-	84.74-	1.2
0147	47	57.50	109 24.20	3515.0		109.90-	2585.47	2896.03	19.90	99.85-	87.74-	1.2
0148	47	56.10	109 23.90	3513.0		114.70-	2583.12	2893.94	19.46	100.23-	88.12-	1.2
0149	47	55.40	109 23.30	3469.0		111.80-	2584.54	2892.89	17.79	100.39-	88.44-	1.2
0150	47	51.80	109 21.40	3530.0		133.60-	2573.84	2887.50	18.22	102.05-	89.89-	1.2
0151	47	51.00	109 21.60	3506.0		133.70-	2573.79	2886.30	17.11	102.34-	90.26-	1.2
0152	47	49.70	109 22.80	3321.0		115.70-	2582.63	2884.35	10.51	102.64-	91.20-	1.1
0153	47	49.00	109 24.50	3300.0		115.70-	2582.63	2883.30	9.58	102.85-	91.48-	1.1
0154	47	47.00	109 24.90	3193.0		110.10-	2585.37	2880.31	5.26	103.52-	92.52-	1.1
0155	47	45.50	109 22.40	2881.0		77.10-	2601.57	2878.06	5.62-	103.77-	93.85-	1.0
0156	47	45.20	109 20.00	2395.0		17.30-	2630.91	2877.61	21.52-	103.11-	94.86-	.9
0157	47	44.80	109 22.00	2396.0		19.40-	2629.88	2877.01	21.85-	103.48-	95.23-	.9
0158	47	54.50	109 22.80	3529.0		122.50-	2579.29	2891.54	19.53	100.70-	88.54-	1.2
0159	48	17.40	109 21.70	3880.0		62.00-	2608.98	2925.81	47.94	84.25-	70.88-	1.3
0160	48	19.32	109 22.10	3803.0		60.90-	2609.52	2928.68	38.37	91.20-	78.10-	1.3
0161	48	22.18	109 20.10	3431.0		26.00-	2626.64	2932.96	16.25	100.64-	88.82-	1.2
0162	48	22.80	109 18.13	3278.0		8.30-	2635.33	2933.88	9.63	102.05-	90.76-	1.1
0163	48	24.50	109 17.23	3146.0		7.70	2643.18	2936.43	2.53	104.65-	93.81-	1.1
0164	48	24.41	109 15.98	3067.0		21.00	2649.70	2936.29	1.76	102.73-	92.16-	1.1
0165	48	25.00	109 16.74	3091.0		14.20	2646.37	2937.17	.20-	105.50-	94.86-	1.1
0166	48	24.63	109 20.35	3358.0		25.70-	2626.79	2936.62	5.87	108.53-	96.96-	1.2
0167	48	25.61	109 16.31	3013.0		23.90	2651.13	2938.09	3.68-	106.33-	95.95-	1.1
0168	48	27.13	109 15.51	3090.0		14.40	2646.47	2940.36	3.37-	108.65-	98.00-	1.1
0169	48	28.00	109 14.75	3081.0		15.70	2647.10	2941.66	4.89-	109.86-	99.24-	1.1
0170	48	29.77	109 16.86	2785.0		58.80	2668.25	2944.30	14.21-	109.09-	99.50-	1.0
0171	48	28.90	109 16.81	2917.0		40.10	2659.08	2943.00	9.67-	109.05-	99.00-	1.0
0172	48	28.90	109 18.44	2849.0		51.90	2664.87	2943.00	10.27-	107.34-	97.52-	1.0
0173	48	28.90	109 20.70	2867.0		57.00	2667.37	2943.00	6.08-	103.76-	93.88-	1.0
0174	48	28.90	109 22.50	2935.0		55.40	2666.58	2943.00	.48-	100.47-	90.36-	1.0
0175	48	28.23	109 23.20	2988.0		47.40	2662.66	2942.00	1.58	100.21-	89.92-	1.0
0176	48	27.49	109 23.88	3067.0		35.30	2656.72	2940.90	4.18	100.31-	89.75-	1.1
0177	48	26.29	109 24.57	3061.0		33.10	2655.64	2939.10	4.33	99.96-	89.41-	1.1
0178	48	25.40	109 25.50	3109.0		28.40	2653.34	2937.77	7.87	98.05-	87.34-	1.1
0179	48	24.80	109 25.90	3178.0		18.90	2648.67	2936.87	10.58	97.69-	86.74-	1.1
0180	48	24.55	109 28.52	3299.0		14.10	2646.32	2936.50	19.98	92.42-	81.05-	1.1

PACIFIC SW BEAR PAW MONT 63 CLEVELAND

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0355

STA	LAT	LONG	E	MG/DG	TC	DG	FTH	FAA	BA1	BA2	CC
0226	48	9.08	109 56.60	3528.0	79.30=	2600.49	2913.37	18.81	101.39=	89.23=	1.2
0227	48	7.96	109 55.40	3303.0	48.90=	2615.40	2911.69	14.25	98.28=	86.90=	1.1
0228	48	5.84	109 57.30	3303.0	59.60=	2610.15	2908.52	12.17	100.36=	88.98=	1.1
0229	48	4.82	109 55.07	3490.0	79.30=	2600.49	2906.99	21.61	97.29=	85.27=	1.2
0230	48	3.77	109 52.22	3610.0	93.80=	2593.37	2905.42	27.34	95.65=	83.21=	1.2
0231	48	2.97	109 49.69	3549.0	84.90=	2597.74	2904.22	27.18	93.73=	81.51=	1.2
0232	48	2.44	109 49.80	3531.0	86.40=	2597.00	2903.43	25.54	94.76=	82.59=	1.2
0233	48	1.36	109 50.14	3472.0	85.40=	2597.49	2901.81	22.10	96.19=	84.23=	1.2
0234	48	.85	109 51.32	3440.0	85.70=	2597.35	2901.05	19.71	97.48=	85.63=	1.2
0235	48	.99	109 52.69	3435.0	84.30=	2598.03	2901.26	19.72	97.31=	85.48=	1.2
0236	48	1.00	109 56.60	3414.0	91.50=	2594.50	2901.27	14.20	102.12=	90.35=	1.2
0237	48	1.72	109 59.00	3226.0	67.80=	2606.13	2902.35	7.08	102.83=	91.71=	1.1
0238	48	1.00	109 54.40	3480.0	95.00=	2592.78	2901.27	18.68	99.88=	87.89=	1.2
0239	48	.30	109 45.63	3401.0	76.50=	2601.86	2900.23	21.38	94.49=	82.77=	1.2
0240	48	3.40	109 48.51	3617.0	87.80=	2596.32	2904.87	31.50	91.72=	79.26=	1.2
0241	48	4.00	109 47.69	3689.0	94.90=	2592.83	2905.76	33.88	91.80=	79.09=	1.2
0242	48	4.86	109 46.93	3813.0	104.90=	2587.93	2907.05	39.35	90.55=	77.42=	1.3
0243	48	7.23	109 51.87	3881.0	102.80=	2588.96	2910.60	43.22	89.00=	75.63=	1.3
0244	48	8.01	109 51.37	3920.0	104.60=	2588.07	2911.77	44.83	88.72=	75.21=	1.3
0245	48	15.20	109 51.30	3535.0	51.10=	2614.33	2922.52	24.15	96.28=	84.10=	1.2
0246	48	15.51	109 51.90	3502.0	46.50=	2616.58	2922.98	22.84	96.47=	84.41=	1.2
0247	48	15.60	109 52.90	3402.0	36.60=	2621.44	2923.12	18.16	97.74=	86.02=	1.2
0248	48	15.89	109 53.82	3286.0	22.50=	2628.36	2923.55	13.75	98.21=	86.89=	1.1
0249	48	17.08	109 55.94	3061.0	6.80=	2642.74	2925.33	5.20	99.09=	88.54=	1.1
0250	48	17.63	109 53.10	3228.0	9.80=	2634.59	2926.16	11.92	98.05=	86.93=	1.1
0251	48	18.39	109 54.84	2977.0	26.30=	2652.31	2927.29	4.91	96.51=	86.26=	1.0
0252	48	17.61	109 50.98	3408.0	29.80=	2624.78	2926.12	19.06	97.05=	85.31=	1.2
0253	48	17.04	109 50.04	3473.0	37.10=	2621.20	2925.27	22.44	95.88=	83.92=	1.2
0254	48	16.97	109 49.17	3354.0	19.20=	2629.98	2925.17	20.14	94.13=	82.57=	1.2
0255	48	19.22	109 50.71	3409.0	28.40=	2625.46	2928.53	17.43	98.72=	86.97=	1.2
0256	48	20.19	109 50.09	3218.0	.20=	2639.50	2929.98	12.06	97.57=	86.49=	1.1
0257	48	23.70	109 51.89	2781.0	61.50=	2669.58	2935.23	4.18=	98.93=	89.35=	1.0
0258	48	24.58	109 51.89	2744.0	69.60=	2673.55	2936.55	5.01=	98.49=	89.04=	1.0
0259	48	24.58	109 48.63	2951.0	41.50=	2659.76	2936.55	.66=	99.88=	89.71=	1.0
0260	48	24.58	109 45.40	3088.0	27.00=	2652.65	2936.55	6.43	98.78=	88.14=	1.1
0261	48	26.29	109 46.69	3084.0	30.00=	2654.12	2939.10	4.97	100.10=	89.48=	1.1
0262	48	27.98	109 47.32	2965.0	50.40=	2664.13	2941.63	1.27	99.75=	89.53=	1.0
0263	48	28.90	109 47.48	2790.0	75.50=	2676.45	2943.00	4.24=	99.29=	89.68=	1.0
0264	48	29.79	109 47.99	2683.0	92.00=	2684.54	2944.33	7.54=	98.94=	89.70=	1.0
0265	48	29.79	109 51.90	2594.0	103.50=	2690.19	2944.33	10.25=	98.63=	89.69=	.9
0266	48	28.90	109 51.88	2603.0	99.70=	2688.32	2943.00	9.95=	98.63=	89.66=	.9
0267	48	28.90	109 53.16	2595.0	100.10=	2688.52	2943.00	10.50=	98.91=	89.97=	.9
0268	48	28.90	109 55.80	2669.0	90.50=	2683.81	2943.00	8.25=	99.18=	89.99=	.9
0269	48	28.90	109 57.09	2699.0	86.40=	2681.80	2943.00	7.44=	99.40=	90.10=	1.0
0270	48	28.90	109 58.50	2741.0	81.40=	2679.34	2943.00	5.95=	99.34=	89.90=	1.0



PACIFIC SW BEAR PAW MONT 63 CLEVELAND GBV 980639.40 MSV .49070 D1 2.67 D2 2.40 0355												
STA	LAT	LONG	E	MG/DG	TC	DG	FTH	FAA	BA1	BA2	CC	
0181	48	24.73	109 29.53	3317.0	14.70	2646.61	2936.77	21.69	91.32-	79.89-	1.1	
0182	48	25.60	109 29.74	3252.0	26.80	2652.55	2938.07	20.22	90.57-	79.37-	1.1	
0183	48	26.26	109 29.75	3150.0	43.10	2660.55	2939.06	17.65	89.67-	78.82-	1.1	
0184	48	27.15	109 30.84	3145.0	47.10	2662.51	2940.39	17.81	89.34-	78.51-	1.1	
0185	48	28.02	109 29.75	3008.0	64.40	2671.00	2941.69	12.12	90.36-	80.00-	1.1	
0186	48	28.93	109 31.20	3022.0	62.00	2669.82	2943.05	10.89	92.06-	81.65-	1.1	
0187	48	28.25	109 30.73	3032.0	61.40	2669.53	2942.03	12.56	90.74-	80.29-	1.1	
0188	48	23.47	109 27.48	3239.0	17.40	2647.94	2934.89	17.57	92.78-	81.62-	1.1	
0189	48	23.48	109 26.76	3283.0	3.00	2640.87	2934.90	14.62	97.23-	85.92-	1.1	
0190	48	23.78	109 24.02	3647.0	56.60-	2611.63	2935.35	19.15	105.10-	92.54-	1.2	
0191	48	20.96	109 26.27	3851.0	69.30-	2605.39	2931.13	36.30	94.90-	81.64-	1.3	
0192	48	19.61	109 27.06	3816.0	62.20-	2608.88	2929.12	38.52	91.49-	78.34-	1.3	
0193	48	19.09	109 27.28	3731.0	50.80-	2614.47	2928.34	36.90	90.22-	77.36-	1.3	
0194	48	18.03	109 29.12	3724.0	52.10-	2613.83	2926.75	37.18	89.69-	76.86-	1.3	
0195	48	17.80	109 21.40	3853.0	58.10-	2610.89	2926.41	46.71	84.56-	71.28-	1.3	
0196	48	18.04	109 20.53	3780.0	51.90-	2613.93	2926.77	42.53	86.25-	73.23-	1.3	
0197	48	18.05	109 18.76	3706.0	39.60-	2619.97	2926.78	41.60	84.66-	71.89-	1.2	
0198	48	18.02	109 17.67	3710.0	38.40-	2620.56	2926.74	42.61	83.79-	71.00-	1.2	
0199	48	18.02	109 16.33	3664.0	31.10-	2624.14	2926.74	41.87	82.96-	70.34-	1.2	
0200	48	18.45	109 15.09	3608.0	19.40-	2629.88	2927.38	41.70	81.22-	68.79-	1.2	
0201	48	15.71	109 41.58	4266.0	118.10-	2581.45	2923.28	59.21	86.13-	71.43-	1.4	
0202	48	17.07	109 39.79	3773.0	58.70-	2610.60	2925.32	39.99	88.55-	75.55-	1.3	
0203	48	17.90	109 39.79	3707.0	50.40-	2614.67	2926.56	36.62	89.68-	76.90-	1.2	
0204	48	18.70	109 39.39	3635.0	42.00-	2618.79	2927.76	32.78	91.07-	78.54-	1.2	
0205	48	19.72	109 39.49	3602.0	38.00-	2620.75	2929.28	30.11	92.61-	80.20-	1.2	
0206	48	21.47	109 40.19	3381.0	6.80-	2636.06	2931.90	22.03	93.16-	81.51-	1.2	
0207	48	22.90	109 40.61	3246.0	11.10	2644.85	2934.03	15.99	94.60-	83.41-	1.1	
0208	48	23.54	109 41.30	3182.0	23.80	2651.08	2934.99	15.25	93.16-	82.20-	1.1	
0209	48	24.40	109 40.65	3477.0	12.40-	2633.32	2936.28	23.93	94.53-	82.55-	1.2	
0210	48	26.01	109 40.57	3346.0	7.70	2643.18	2938.68	19.07	94.92-	83.40-	1.1	
0211	48	27.59	109 40.49	3241.0	20.70	2649.56	2941.04	13.22	97.20-	86.03-	1.1	
0212	48	28.97	109 41.51	3072.0	45.10	2661.53	2943.11	7.24	97.42-	86.83-	1.1	
0213	48	28.01	109 42.74	2909.0	59.70	2668.69	2941.67	.52	98.59-	88.57-	1.0	
0214	48	26.70	109 42.74	3041.0	41.00	2659.52	2939.71	5.71	97.89-	87.42-	1.1	
0215	48	15.46	109 45.78	3855.0	70.70-	2604.71	2922.91	44.22	87.12-	73.84-	1.3	
0216	48	15.40	109 47.12	3670.0	53.50-	2613.15	2922.82	35.36	89.67-	77.03-	1.2	
0217	48	14.20	109 49.20	3932.0	93.60-	2593.47	2921.03	42.10	91.86-	78.31-	1.3	
0218	48	12.94	109 48.70	4439.0	152.50-	2564.57	2919.14	62.73	88.50-	73.21-	1.4	
0219	48	10.98	109 48.58	3956.0	95.80-	2592.39	2916.21	48.09	86.68-	73.06-	1.3	
0220	48	9.50	109 50.70	3953.0	106.30-	2587.24	2913.99	44.88	89.80-	76.18-	1.3	
0221	48	10.13	109 52.70	3799.0	95.40-	2592.59	2914.94	34.81	94.62-	81.53-	1.3	
0222	48	9.95	109 54.15	3660.0	86.40-	2597.00	2914.67	26.42	98.27-	85.66-	1.2	
0223	48	9.95	109 55.90	3550.0	79.30-	2600.49	2914.67	19.57	101.37-	89.14-	1.2	
0224	48	9.91	109 56.61	3485.0	73.20-	2603.48	2914.61	16.51	102.22-	90.21-	1.2	
0225	48	10.31	109 57.79	3433.0	69.80-	2605.15	2915.21	12.70	104.26-	92.43-	1.2	

PACIFIC SW BEAR PAW MONT 63 CLEVELAND GBV 980639.40 MSV .49070 D1 2.67 D2 2.40 0355

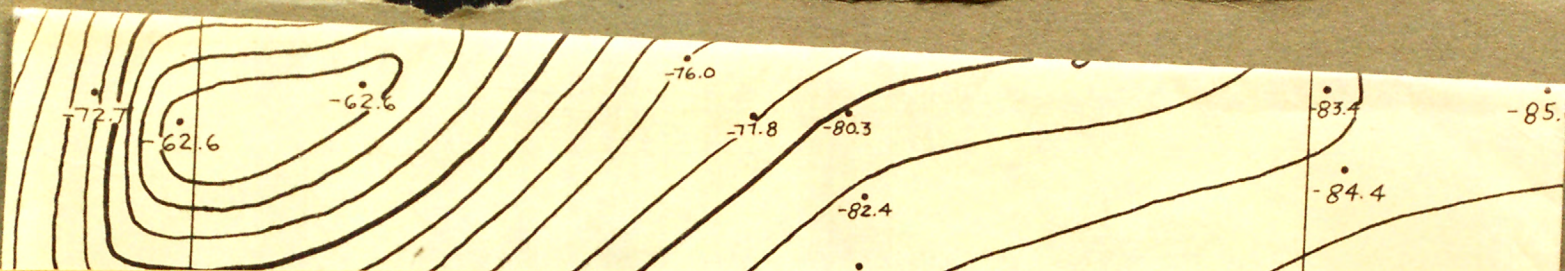
STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC
0271	48	28.82	109 59.80	2790.0	74.70	2676.06	2942.88	4.51-	99.56-	89.95-	1.0
0272	48	27.95	109 59.80	2801.0	69.80	2673.65	2941.58	4.58-	100.01-	90.36-	1.0
0273	48	27.08	109 59.80	2827.0	63.10	2670.36	2940.28	4.13-	100.44-	90.70-	1.0
0274	48	26.20	109 59.80	2784.0	66.60	2672.08	2938.97	5.14-	99.99-	90.40-	1.0
0275	48	25.30	109 59.80	2762.0	66.90	2672.23	2937.62	5.71-	99.81-	90.29-	1.0
0276	48	24.45	109 59.80	2750.0	65.70	2671.64	2936.35	6.16-	99.85-	90.37-	1.0
0277	48	23.59	109 59.80	2648.0	76.60	2676.99	2935.07	9.11-	99.33-	90.20-	.9
0278	48	22.72	109 59.79	2638.0	74.80	2676.10	2933.77	9.64-	99.51-	90.43-	.9
0279	48	24.55	109 58.50	2662.0	77.50	2677.43	2936.50	8.79-	99.48-	90.31-	.9
0280	48	24.55	109 57.09	2596.0	87.10	2682.14	2936.50	10.28-	98.73-	89.78-	.9
0281	48	24.57	109 55.80	2614.0	84.30	2680.77	2936.53	9.99-	99.05-	90.04-	.9
0282	48	23.54	109 55.39	2630.0	79.30	2678.31	2934.99	9.41-	99.01-	89.95-	.9
0283	48	22.20	109 56.30	2620.0	76.90	2677.13	2932.99	9.52-	98.79-	89.76-	.9
0284	48	20.81	109 58.47	2627.0	71.90	2674.68	2930.91	9.24-	98.74-	89.69-	.9
0285	48	15.44	109 56.95	3003.0	4.60	2641.66	2922.88	1.12	101.19-	90.85-	1.1
0286	48	14.90	109 59.18	2810.0	23.60	2650.98	2922.07	6.90-	102.63-	92.95-	1.0
0287	48	15.74	109 59.80	2787.0	30.60	2654.42	2923.33	6.88-	101.83-	92.22-	1.0
0288	48	16.62	109 59.80	2797.0	33.00	2655.59	2924.65	6.08-	101.37-	91.74-	1.0
0289	48	17.93	109 59.79	2753.0	44.70	2661.33	2926.60	6.44-	100.23-	90.75-	1.0
0290	48	20.97	109 57.21	2646.0	71.20	2674.34	2931.15	8.03-	98.18-	89.06-	.9
0291	48	20.97	109 55.93	2704.0	62.80	2670.22	2931.15	6.70-	98.82-	89.51-	1.0
0292	48	20.09	109 55.94	2806.0	47.90	2662.90	2929.83	3.12-	98.71-	89.05-	1.0
0293	48	25.01	109 53.85	2637.0	82.40	2679.83	2937.19	9.43-	99.27-	90.18-	.9
0294	48	26.29	109 51.90	2646.0	85.30	2681.26	2939.10	9.06-	99.21-	90.10-	.9
0295	48	24.55	109 53.18	2664.0	77.60	2677.48	2936.50	8.55-	99.31-	90.13-	.9
0296	48	25.41	109 53.19	2631.0	85.20	2681.21	2937.79	9.21-	98.84-	89.78-	.9
0297	48	25.42	109 51.90	2686.0	77.80	2677.58	2937.80	7.68-	99.19-	89.94-	1.0
0298	48	25.41	109 50.60	2764.0	66.40	2671.98	2937.79	5.94-	100.10-	90.58-	1.0
0299	48	25.41	109 48.63	2922.0	51.40	2664.62	2937.79	1.56	97.99-	87.93-	1.0
0300	48	27.16	109 51.89	2618.0	91.10	2684.10	2940.40	10.16-	99.35-	90.33-	.9
0301	48	28.01	109 51.89	2607.0	95.80	2686.41	2941.67	10.15-	98.97-	89.99-	.9
0302	48	28.90	109 49.96	2626.0	97.00	2687.00	2943.00	9.11-	98.57-	89.52-	.9
0303	48	15.04	109 39.29	3955.0	78.60-	2600.83	2922.28	50.36	84.38-	70.75-	1.3
0304	48	13.30	109 41.49	4695.0	165.60-	2558.14	2919.68	79.82	80.13-	63.96-	1.5
0305	48	13.79	109 39.41	4113.0	92.80-	2593.86	2920.41	60.11	80.01-	65.84-	1.3
0306	48	11.87	109 38.99	4411.0	126.80-	2577.18	2917.54	74.31	75.97-	60.77-	1.4
0307	48	10.55	109 38.45	4640.0	159.60-	2561.08	2915.57	81.71	76.37-	60.39-	1.5
0308	48	10.20	109 37.61	4770.0	179.50-	2551.32	2915.04	84.69	77.82-	61.39-	1.5
0309	48	10.14	109 36.24	5122.0	227.70-	2527.67	2914.95	94.21	80.29-	62.65-	1.6
0310	48	9.39	109 36.02	4860.0	202.20-	2540.18	2913.83	83.22	82.36-	65.61-	1.5
0311	48	8.80	109 36.09	4666.0	183.40-	2549.41	2912.95	75.10	83.87-	67.79-	1.5
0312	48	6.77	109 36.93	4326.0	149.70-	2565.94	2909.91	62.72	84.67-	69.76-	1.4
0313	48	6.20	109 38.41	4406.0	163.60-	2559.12	2909.06	64.27	85.84-	70.66-	1.4
0314	48	5.30	109 38.40	4239.0	147.50-	2567.02	2907.71	57.82	86.60-	72.00-	1.4
0315	48	4.20	109 39.81	4004.0	126.30-	2577.42	2906.06	47.78	88.63-	74.84-	1.3



PACIFIC SW BEAR PAW MONT 63 CLEVELAND GBV 980639.40 MSV .49070 D1 2.67 D2 2.40 0355

STA	LAT	LONG	E	MG/OG	TC	OG	FTH	FAA	BA1	BA2	CC
0316	48	2.73	109 41.04	3804.0	112.60-	2584.15	2903.86	37.91	91.69-	78.58-	1.3
0317	48	4.69	109 40.92	4117.0	133.70-	2573.79	2906.80	54.04	86.23-	72.04-	1.4
0318	48	4.99	109 43.01	4051.0	122.60-	2579.24	2907.25	52.84	85.18-	71.22-	1.3
0319	48	4.98	109 43.86	4110.0	130.90-	2575.17	2907.23	54.33	85.70-	71.54-	1.3
0320	48	4.70	109 45.08	4064.0	132.10-	2574.58	2906.81	49.83	88.63-	74.63-	1.3
0321	48	4.28	109 38.02	4065.0	131.00-	2575.12	2906.18	51.09	87.40-	73.39-	1.3
0322	48	3.80	109 35.56	4019.0	132.20-	2574.53	2905.46	46.90	90.03-	76.18-	1.3
0323	48	3.16	109 33.20	4067.0	140.50-	2570.46	2904.51	48.30	90.26-	76.25-	1.3
0324	48	1.56	109 32.52	3820.0	116.30-	2582.33	2902.11	39.35	90.80-	77.63-	1.3
0325	48	.96	109 31.95	3649.0	103.00-	2588.86	2901.21	30.70	93.61-	81.04-	1.2
0326	48	.20	109 31.00	3652.0	108.20-	2586.31	2900.08	29.57	94.85-	82.26-	1.2
0327	48	4.99	109 36.26	4037.0	123.10-	2578.99	2907.25	51.27	86.27-	72.36-	1.3
0328	48	6.70	109 34.33	4412.0	161.90-	2559.96	2909.81	64.92	85.39-	70.19-	1.4
0329	48	8.10	109 33.30	4538.0	173.20-	2554.41	2911.90	69.12	85.49-	69.85-	1.4
0330	48	8.82	109 31.08	4623.0	182.80-	2549.70	2912.98	71.32	86.18-	70.25-	1.5
0331	48	14.20	109 31.00	3927.0	68.40-	2605.84	2921.03	54.00	79.79-	66.26-	1.3
0332	48	15.62	109 31.44	3808.0	57.80-	2611.04	2923.15	45.89	83.84-	70.73-	1.3
0333	48	16.19	109 31.78	3805.0	59.80-	2610.06	2924.00	43.78	85.86-	72.75-	1.3
0334	48	17.90	109 30.12	3708.0	50.80-	2614.47	2926.56	36.51	89.82-	77.04-	1.2
0335	48	15.45	109 35.00	4158.0	102.10-	2589.30	2922.90	57.30	84.36-	70.03-	1.4
0336	48	17.32	109 38.04	3806.0	62.80-	2608.58	2925.69	40.70	88.97-	75.85-	1.3
0337	48	16.70	109 34.07	3963.0	82.80-	2598.77	2924.76	46.57	88.44-	74.79-	1.3
0338	48	17.95	109 33.60	3865.0	68.40-	2605.84	2926.63	42.56	89.11-	75.80-	1.3
0339	48	19.51	109 32.50	3832.0	61.40-	2609.27	2928.97	40.56	89.99-	76.79-	1.3
0340	48	19.85	109 34.18	4005.0	83.00-	2598.67	2929.47	45.71	90.74-	76.94-	1.3
0341	48	20.20	109 35.17	3846.0	61.60-	2609.17	2930.00	40.74	90.29-	77.04-	1.3
0342	48	22.80	109 32.39	3526.0	18.70-	2630.22	2933.88	27.83	92.30-	80.15-	1.2
0343	48	25.06	109 37.48	3163.0	38.50	2658.29	2937.26	18.40	89.36-	78.46-	1.1
0344	48	26.90	109 37.26	3010.0	61.50	2669.58	2940.01	12.56	89.99-	79.62-	1.1
0345	48	27.86	109 36.70	2930.0	72.10	2674.78	2941.45	8.81	91.02-	80.92-	1.0





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