

MAR 24 2004

Schlumberger

3K-29 Dmag Corrected Survey Report

Report Date: March 1, 2004
Client: CHEVRON CANADA RESOURCES
Field: FT. LIARD(CDN-NAD27)
Structure / Slot: Chevron K-29 PAD / Job#4000 3-K29
Well: 3K-29
Borehole: 3-K29 Hole 1
UWVAPI#:

Survey Name / Date: 3K-29 Dmag Corrected / January 28, 2004
Tort / AHD / DDI / ERD ratio: 301.427° / 2001.20 m / 6.443 / 0.757
Grid Coordinate System: NAD27 UTM Zone 10N
Location Lat/Long: N 60 28 42.337, W 123 35 3.406
Location Grid N/E Y/X: N 6704631.490 m, E 467880.970 m
Grid Convergence Angle: -0.50842687°
Grid Scale Factor: 0.99961264

Survey / DLS Computation Method: Minimum Curvature / Lubinski
Vertical Section Azimuth: 155.940°
Vertical Section Origin: N 0.000 m, E 0.000 m
TVD Reference Datum: KB
TVD Reference Elevation: 416.9 m relative to MSL
Sea Bed / Ground Level Elevation: 409.900 m relative to MSL
Magnetic Declination: 24.498°
Total Field Strength: 58727.218 nT
Magnetic Dip: 78.548°
Declination Date: January 28, 2004
Magnetic Declination Model: BGGM 2003
North Reference: True North
Total Corr Mag North -> True North: +24.498°
Local Coordinates Referenced To: Well Head

Comments	Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Vertical Section (m)	NS (m)	EW (m)	DLS (deg/30 m)	Northing (m)	Easting (m)	Latitude	Longitude
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6704631.49	467880.97	N 60 28 42.337	W 123 35 3.406
Mud Line	7.00	0.05	227.19	7.00	0.00	0.00	0.00	0.22	6704631.49	467880.97	N 60 28 42.337	W 123 35 3.406
	75.15	0.54	227.19	75.15	0.11	-0.24	-0.26	0.22	6704631.25	467880.71	N 60 28 42.329	W 123 35 3.423
	103.90	0.64	208.43	103.90	0.26	-0.47	-0.44	0.23	6704631.02	467880.53	N 60 28 42.322	W 123 35 3.434
	132.60	0.66	188.11	132.60	0.49	-0.78	-0.54	0.24	6704630.72	467880.43	N 60 28 42.312	W 123 35 3.441
	156.30	1.69	251.65	156.29	0.57	-1.02	-0.89	1.92	6704630.47	467880.08	N 60 28 42.304	W 123 35 3.464
	184.30	1.98	248.60	184.28	0.51	-1.33	-1.73	0.33	6704630.18	467879.23	N 60 28 42.294	W 123 35 3.519
	211.53	2.52	250.54	211.49	0.44	-1.70	-2.73	0.60	6704629.81	467878.23	N 60 28 42.282	W 123 35 3.585
	223.00	2.49	257.04	222.94	0.37	-1.84	-3.21	0.75	6704629.68	467877.74	N 60 28 42.278	W 123 35 3.616
	232.40	2.39	253.16	232.34	0.31	-1.94	-3.60	0.62	6704629.58	467877.36	N 60 28 42.274	W 123 35 3.642
	241.80	2.11	246.27	241.73	0.28	-2.07	-3.94	1.24	6704629.46	467877.01	N 60 28 42.270	W 123 35 3.664
	250.90	1.64	242.67	250.82	0.29	-2.20	-4.21	1.60	6704629.33	467876.74	N 60 28 42.266	W 123 35 3.682
	260.10	1.08	211.37	260.02	0.35	-2.33	-4.38	2.97	6704629.20	467876.58	N 60 28 42.262	W 123 35 3.692
	269.20	1.62	169.13	269.12	0.52	-2.53	-4.40	3.61	6704629.00	467876.55	N 60 28 42.255	W 123 35 3.694
	278.10	2.18	151.45	278.01	0.81	-2.80	-4.29	2.71	6704628.73	467876.66	N 60 28 42.247	W 123 35 3.687
	287.30	2.97	138.74	287.20	1.21	-3.14	-4.05	3.16	6704628.39	467876.89	N 60 28 42.236	W 123 35 3.671
	306.00	3.58	135.68	305.87	2.22	-3.92	-3.32	1.02	6704627.60	467877.61	N 60 28 42.211	W 123 35 3.623
	315.80	4.23	138.28	315.65	2.85	-4.41	-2.87	2.06	6704627.11	467878.06	N 60 28 42.195	W 123 35 3.594
	325.20	4.70	135.25	325.02	3.55	-4.94	-2.37	1.68	6704626.57	467878.56	N 60 28 42.178	W 123 35 3.561
	334.80	5.04	139.26	334.59	4.32	-5.54	-1.81	1.50	6704625.97	467879.11	N 60 28 42.158	W 123 35 3.525
	344.50	5.78	142.92	344.25	5.20	-6.25	-1.24	2.52	6704625.25	467879.67	N 60 28 42.135	W 123 35 3.487
	354.20	6.33	147.85	353.89	6.21	-7.09	-0.66	2.34	6704624.41	467880.24	N 60 28 42.108	W 123 35 3.449
	363.90	6.93	152.22	363.53	7.32	-8.06	-0.11	2.42	6704623.43	467880.79	N 60 28 42.077	W 123 35 3.413
	373.60	7.13	156.68	373.15	8.51	-9.13	0.41	1.80	6704622.36	467881.29	N 60 28 42.042	W 123 35 3.379
	383.50	7.72	161.73	382.97	9.78	-10.33	0.86	2.66	6704621.16	467881.74	N 60 28 42.003	W 123 35 3.350
	393.20	8.38	167.97	392.57	11.12	-11.64	1.21	3.38	6704619.84	467882.07	N 60 28 41.961	W 123 35 3.327
	402.90	9.25	173.33	402.16	12.56	-13.11	1.45	3.70	6704618.38	467882.30	N 60 28 41.914	W 123 35 3.311
	412.44	10.46	178.21	411.56	14.09	-14.73	1.56	4.62	6704616.75	467882.40	N 60 28 41.861	W 123 35 3.304
	422.10	11.76	179.83	421.04	15.80	-16.59	1.59	4.15	6704614.89	467882.42	N 60 28 41.801	W 123 35 3.302
	431.80	12.72	179.99	430.52	17.68	-18.65	1.60	2.97	6704612.83	467882.40	N 60 28 41.735	W 123 35 3.301
	441.50	13.44	179.60	439.97	19.69	-20.85	1.60	2.24	6704610.64	467882.39	N 60 28 41.664	W 123 35 3.301
	451.20	14.53	179.88	449.38	21.83	-23.19	1.61	3.38	6704608.30	467882.38	N 60 28 41.588	W 123 35 3.300
	480.00	16.75	180.46	477.11	28.91	-30.95	1.59	2.32	6704600.54	467882.28	N 60 28 41.337	W 123 35 3.302
	489.77	17.69	183.62	486.44	31.51	-33.84	1.48	4.07	6704597.65	467882.15	N 60 28 41.244	W 123 35 3.309
	518.60	19.56	179.88	513.76	39.80	-43.04	1.22	2.31	6704588.46	467881.81	N 60 28 40.947	W 123 35 3.326
	528.40	20.38	182.09	522.97	42.83	-46.39	1.16	3.41	6704585.11	467881.72	N 60 28 40.838	W 123 35 3.330
	538.10	20.72	181.16	532.06	45.90	-49.79	1.06	1.46	6704581.71	467881.59	N 60 28 40.729	W 123 35 3.336
	547.90	21.11	179.24	541.21	49.09	-53.29	1.05	2.41	6704578.22	467881.55	N 60 28 40.615	W 123 35 3.337
	556.90	21.91	177.58	549.58	52.14	-56.59	1.14	3.35	6704574.92	467881.61	N 60 28 40.509	W 123 35 3.331
	566.90	22.94	176.66	558.83	55.69	-60.40	1.34	3.26	6704571.11	467881.77	N 60 28 40.386	W 123 35 3.319
	576.70	23.76	175.40	567.82	59.34	-64.27	1.60	2.94	6704567.23	467882.00	N 60 28 40.261	W 123 35 3.301
	586.20	24.35	175.98	576.50	62.99	-68.13	1.90	2.01	6704563.37	467882.26	N 60 28 40.136	W 123 35 3.282
	595.40	25.26	176.25	584.85	66.61	-71.98	2.16	2.99	6704559.52	467882.49	N 60 28 40.011	W 123 35 3.265
	605.50	26.35	177.97	593.94	70.71	-76.37	2.38	3.93	6704555.13	467882.67	N 60 28 39.870	W 123 35 3.250

615.00	27.36	177.70	602.42	74.69	-80.66	2.54	3.21	6704550.84	467882.79	N 60 28 39.731	W 123 35 3.240
624.40	27.41	178.69	610.77	78.69	-84.98	2.68	1.46	6704546.52	467882.89	N 60 28 39.591	W 123 35 3.231
634.30	27.28	179.43	619.56	82.87	-89.53	2.75	1.10	6704541.97	467882.93	N 60 28 39.445	W 123 35 3.226
644.00	27.64	180.94	628.17	86.95	-94.00	2.74	2.42	6704537.50	467882.87	N 60 28 39.300	W 123 35 3.227
653.80	27.70	181.01	636.85	91.07	-98.55	2.66	0.21	6704532.96	467882.75	N 60 28 39.153	W 123 35 3.232
663.30	27.68	181.35	645.26	95.07	-102.97	2.57	0.50	6704528.54	467882.62	N 60 28 39.010	W 123 35 3.238
673.00	28.21	180.05	653.83	99.20	-107.51	2.51	2.50	6704524.00	467882.53	N 60 28 38.864	W 123 35 3.242
682.80	28.51	179.84	662.45	103.45	-112.17	2.52	0.97	6704519.35	467882.49	N 60 28 38.713	W 123 35 3.241
692.41	29.27	179.59	670.86	107.70	-116.81	2.54	2.40	6704514.71	467882.47	N 60 28 38.563	W 123 35 3.240
702.00	29.15	179.83	679.24	111.98	-121.49	2.56	0.52	6704510.03	467882.45	N 60 28 38.412	W 123 35 3.238
711.60	29.01	178.25	687.63	116.27	-126.15	2.64	2.44	6704505.37	467882.49	N 60 28 38.261	W 123 35 3.233
721.20	29.29	177.11	696.01	120.61	-130.83	2.83	1.94	6704500.69	467882.64	N 60 28 38.110	W 123 35 3.221
730.70	29.52	176.31	704.29	124.98	-135.48	3.10	1.44	6704496.04	467882.87	N 60 28 37.960	W 123 35 3.203
740.10	29.44	176.54	712.47	129.31	-140.10	3.39	0.44	6704491.42	467883.11	N 60 28 37.811	W 123 35 3.184
759.40	29.73	177.48	729.25	138.20	-149.62	3.88	0.85	6704481.90	467883.53	N 60 28 37.503	W 123 35 3.152
787.50	27.58	174.50	753.91	150.85	-163.05	4.81	2.76	6704468.46	467884.34	N 60 28 37.069	W 123 35 3.091
821.50	24.43	168.76	784.47	165.17	-177.79	6.94	3.55	6704453.71	467886.33	N 60 28 36.593	W 123 35 2.952
831.20	24.43	167.19	793.30	169.10	-181.71	7.78	2.01	6704449.79	467887.13	N 60 28 36.466	W 123 35 2.897
840.20	25.63	167.64	801.46	172.83	-185.43	8.60	4.05	6704446.06	467887.93	N 60 28 36.346	W 123 35 2.843
850.08	27.28	165.79	810.30	177.15	-189.71	9.62	5.60	6704441.77	467888.90	N 60 28 36.208	W 123 35 2.776
859.30	28.35	164.51	818.46	181.40	-193.87	10.72	3.99	6704437.61	467889.97	N 60 28 36.073	W 123 35 2.704
868.40	28.23	164.74	826.47	185.66	-198.03	11.87	0.53	6704433.44	467891.07	N 60 28 35.939	W 123 35 2.629
877.10	28.50	167.14	834.12	189.73	-202.04	12.87	4.04	6704429.42	467892.04	N 60 28 35.809	W 123 35 2.564
887.00	28.38	170.19	842.83	194.33	-206.66	13.80	4.42	6704424.80	467892.93	N 60 28 35.660	W 123 35 2.503
896.50	27.70	172.21	851.21	198.64	-211.07	14.48	3.69	6704420.38	467893.57	N 60 28 35.518	W 123 35 2.458
904.00	27.50	171.76	857.86	201.98	-214.51	14.96	1.16	6704416.94	467894.02	N 60 28 35.406	W 123 35 2.426
914.70	27.53	172.71	867.35	206.72	-219.41	15.63	1.23	6704412.03	467894.65	N 60 28 35.248	W 123 35 2.383
923.90	27.63	172.29	875.51	210.80	-223.63	16.19	0.71	6704407.81	467895.17	N 60 28 35.112	W 123 35 2.346
933.00	28.30	173.59	883.54	214.88	-227.87	16.71	2.99	6704403.57	467895.65	N 60 28 34.975	W 123 35 2.312
942.70	28.68	175.41	892.07	219.27	-232.47	17.15	2.93	6704398.96	467896.05	N 60 28 34.826	W 123 35 2.283
951.80	28.30	178.41	900.07	223.32	-236.81	17.39	4.88	6704394.63	467896.25	N 60 28 34.686	W 123 35 2.268
959.60	28.28	177.56	906.94	226.75	-240.50	17.52	1.55	6704390.94	467896.35	N 60 28 34.567	W 123 35 2.259
970.50	28.38	178.71	916.53	231.54	-245.67	17.69	1.53	6704385.77	467896.47	N 60 28 34.400	W 123 35 2.248
980.00	28.25	176.81	924.89	235.72	-250.17	17.86	2.88	6704381.27	467896.61	N 60 28 34.254	W 123 35 2.237
988.60	28.30	177.41	932.47	239.52	-254.24	18.07	1.01	6704377.20	467896.78	N 60 28 34.123	W 123 35 2.223
1002.40	28.30	176.81	944.62	245.62	-260.77	18.40	0.62	6704370.66	467897.05	N 60 28 33.912	W 123 35 2.202
1012.70	28.35	175.74	953.68	250.20	-265.65	18.72	1.49	6704365.79	467897.32	N 60 28 33.754	W 123 35 2.181
1021.60	28.08	176.44	961.53	254.15	-269.85	19.00	1.44	6704361.59	467897.57	N 60 28 33.619	W 123 35 2.162
1031.60	27.95	175.64	970.36	258.56	-274.53	19.33	1.19	6704356.90	467897.85	N 60 28 33.467	W 123 35 2.141
1040.80	27.55	176.31	978.50	262.59	-278.81	19.63	1.65	6704352.63	467898.12	N 60 28 33.329	W 123 35 2.121
1049.60	28.10	174.69	986.28	266.46	-282.90	19.95	3.19	6704348.53	467898.40	N 60 28 33.197	W 123 35 2.100
1060.40	28.20	174.59	995.80	271.28	-287.98	20.43	0.31	6704343.46	467898.83	N 60 28 33.033	W 123 35 2.069
1069.60	28.43	174.91	1003.90	275.41	-292.32	20.83	0.90	6704339.11	467899.19	N 60 28 32.892	W 123 35 2.043
1078.90	28.50	176.34	1012.08	279.59	-296.74	21.16	2.21	6704334.69	467899.49	N 60 28 32.750	W 123 35 2.021
1088.80	28.53	175.19	1020.78	284.03	-301.45	21.51	1.67	6704329.97	467899.80	N 60 28 32.597	W 123 35 1.998
1098.50	28.38	174.81	1029.31	288.40	-306.06	21.92	0.73	6704325.37	467900.16	N 60 28 32.449	W 123 35 1.971
1108.10	28.83	175.21	1037.73	292.75	-310.64	22.32	1.53	6704320.79	467900.52	N 60 28 32.301	W 123 35 1.945
1117.40	28.50	174.14	1045.89	296.97	-315.08	22.73	1.97	6704316.34	467900.89	N 60 28 32.157	W 123 35 1.918
1127.40	28.45	172.89	1054.68	301.52	-319.81	23.27	1.79	6704311.61	467901.39	N 60 28 32.004	W 123 35 1.883
1136.60	28.40	172.99	1062.77	305.70	-324.16	23.81	0.23	6704307.26	467901.89	N 60 28 31.864	W 123 35 1.848
1146.10	28.28	173.01	1071.14	310.01	-328.64	24.36	0.38	6704302.78	467902.40	N 60 28 31.719	W 123 35 1.812
1155.80	27.83	173.91	1079.70	314.36	-333.17	24.88	1.91	6704298.24	467902.88	N 60 28 31.573	W 123 35 1.778
1165.00	27.68	175.06	1087.84	318.43	-337.43	25.29	1.81	6704293.98	467903.25	N 60 28 31.435	W 123 35 1.751
1174.90	28.18	175.01	1096.58	322.81	-342.05	25.69	1.52	6704289.35	467903.61	N 60 28 31.286	W 123 35 1.725
1184.10	27.95	175.81	1104.70	326.89	-346.37	26.04	1.44	6704285.04	467903.92	N 60 28 31.146	W 123 35 1.702
1193.44	27.85	174.79	1112.96	331.01	-350.72	26.39	1.57	6704280.68	467904.24	N 60 28 31.006	W 123 35 1.678
1203.50	28.28	173.21	1121.83	335.51	-355.43	26.89	2.56	6704275.97	467904.69	N 60 28 30.853	W 123 35 1.646
1213.00	28.15	172.21	1130.21	339.81	-359.88	27.46	1.55	6704271.52	467905.22	N 60 28 30.710	W 123 35 1.609
1222.10	27.80	174.66	1138.24	343.88	-364.12	27.95	3.96	6704267.27	467905.67	N 60 28 30.573	W 123 35 1.577
1231.90	27.55	174.79	1146.92	348.19	-368.66	28.37	0.79	6704262.74	467906.05	N 60 28 30.426	W 123 35 1.549
1241.50	27.48	173.76	1155.44	352.40	-373.07	28.81	1.50	6704258.32	467906.46	N 60 28 30.284	W 123 35 1.520
1251.20	27.85	174.61	1164.03	356.68	-377.55	29.26	1.67	6704253.84	467906.87	N 60 28 30.139	W 123 35 1.491
1260.85	27.50	174.29	1172.57	360.93	-382.01	29.70	1.18	6704249.38	467907.27	N 60 28 29.995	W 123 35 1.462
1270.20	27.20	175.21	1180.88	365.00	-386.29	30.09	1.66	6704245.10	467907.62	N 60 28 29.856	W 123 35 1.436

1279.40	27.63	174.79	1189.04	369.00	-390.51	30.46	1.54	6704240.88	467907.95	N 60 28 29.720	W 123 35 1.412
1289.30	28.10	172.86	1197.80	373.40	-395.11	30.96	3.08	6704236.28	467908.41	N 60 28 29.571	W 123 35 1.380
1299.00	27.98	172.11	1206.36	377.77	-399.63	31.55	1.15	6704231.75	467908.97	N 60 28 29.425	W 123 35 1.341
1308.40	28.25	173.51	1214.65	382.01	-404.02	32.11	2.27	6704227.35	467909.48	N 60 28 29.283	W 123 35 1.304
1317.90	28.33	175.04	1223.01	386.29	-408.50	32.56	2.30	6704222.87	467909.89	N 60 28 29.139	W 123 35 1.275
1327.60	28.10	174.26	1231.56	390.63	-413.07	32.98	1.34	6704218.30	467910.28	N 60 28 28.991	W 123 35 1.247
1336.90	28.48	174.46	1239.75	394.81	-417.46	33.42	1.26	6704213.92	467910.67	N 60 28 28.849	W 123 35 1.219
1347.00	28.45	173.74	1248.63	399.38	-422.24	33.91	1.02	6704209.13	467911.12	N 60 28 28.695	W 123 35 1.186
1356.30	28.50	172.46	1256.81	403.62	-426.65	34.45	1.98	6704204.72	467911.62	N 60 28 28.553	W 123 35 1.151
1365.50	28.75	173.54	1264.88	407.83	-431.02	34.98	1.87	6704200.34	467912.11	N 60 28 28.411	W 123 35 1.116
1375.30	29.25	174.66	1273.45	412.35	-435.75	35.47	2.26	6704195.62	467912.56	N 60 28 28.259	W 123 35 1.084
1384.90	29.00	177.46	1281.84	416.73	-440.41	35.79	4.33	6704190.95	467912.84	N 60 28 28.108	W 123 35 1.063
1394.10	29.05	176.41	1289.88	420.90	-444.86	36.03	1.67	6704186.50	467913.04	N 60 28 27.964	W 123 35 1.048
1404.00	28.85	176.06	1298.55	425.40	-449.64	36.34	0.79	6704181.72	467913.31	N 60 28 27.809	W 123 35 1.027
1413.20	28.83	174.64	1306.61	429.58	-454.07	36.70	2.23	6704177.29	467913.63	N 60 28 27.667	W 123 35 1.004
1422.20	28.90	175.49	1314.49	433.69	-458.40	37.08	1.39	6704172.96	467913.97	N 60 28 27.527	W 123 35 0.979
1432.60	28.68	175.41	1323.60	438.41	-463.39	37.48	0.64	6704167.97	467914.32	N 60 28 27.365	W 123 35 0.953
1442.20	28.63	173.26	1332.03	442.78	-467.97	37.93	3.23	6704163.38	467914.73	N 60 28 27.217	W 123 35 0.923
1451.50	28.98	174.31	1340.18	447.04	-472.42	38.41	1.98	6704158.93	467915.18	N 60 28 27.073	W 123 35 0.892
1461.10	28.80	175.41	1348.58	451.43	-477.04	38.83	1.75	6704154.31	467915.55	N 60 28 26.924	W 123 35 0.864
1470.80	28.48	177.46	1357.09	455.78	-481.68	39.12	3.20	6704149.67	467915.80	N 60 28 26.774	W 123 35 0.845
1480.30	28.63	176.96	1365.44	460.01	-486.22	39.34	0.89	6704145.13	467915.98	N 60 28 26.628	W 123 35 0.831
1489.80	28.63	177.06	1373.78	464.26	-490.76	39.58	0.15	6704140.58	467916.18	N 60 28 26.481	W 123 35 0.815
1497.60	28.58	176.76	1380.62	467.75	-494.49	39.78	0.58	6704136.86	467916.35	N 60 28 26.360	W 123 35 0.802
1508.70	28.38	174.74	1390.38	472.73	-499.77	40.17	2.66	6704131.58	467916.69	N 60 28 26.190	W 123 35 0.777
1518.50	28.15	173.59	1399.01	477.14	-504.39	40.64	1.81	6704126.96	467917.12	N 60 28 26.041	W 123 35 0.746
1528.20	28.15	174.86	1407.57	481.48	-508.94	41.10	1.85	6704122.40	467917.54	N 60 28 25.894	W 123 35 0.716
1537.50	28.33	176.01	1415.76	485.63	-513.33	41.45	1.85	6704118.02	467917.85	N 60 28 25.752	W 123 35 0.693
1547.10	28.25	176.49	1424.21	489.90	-517.87	41.75	0.75	6704113.47	467918.11	N 60 28 25.605	W 123 35 0.673
1556.80	28.18	175.89	1432.76	494.20	-522.44	42.06	0.90	6704108.90	467918.37	N 60 28 25.457	W 123 35 0.653
1566.10	28.08	174.39	1440.96	498.34	-526.81	42.43	2.30	6704104.53	467918.71	N 60 28 25.316	W 123 35 0.629
1575.90	28.35	175.44	1449.60	502.72	-531.43	42.84	1.73	6704099.91	467919.08	N 60 28 25.167	W 123 35 0.602
1585.50	28.65	175.64	1458.03	507.03	-535.99	43.19	0.98	6704095.34	467919.39	N 60 28 25.020	W 123 35 0.579
1594.90	28.48	173.41	1466.29	511.29	-540.47	43.62	3.45	6704090.87	467919.78	N 60 28 24.875	W 123 35 0.551
1604.60	28.15	173.79	1474.83	515.68	-545.04	44.14	1.16	6704086.29	467920.25	N 60 28 24.727	W 123 35 0.517
1614.30	27.83	175.11	1483.39	520.00	-549.57	44.58	2.16	6704081.76	467920.65	N 60 28 24.581	W 123 35 0.488
1623.60	28.10	174.64	1491.61	524.12	-553.91	44.97	1.12	6704077.42	467921.00	N 60 28 24.441	W 123 35 0.463
1633.40	27.83	174.26	1500.26	528.48	-558.49	45.41	0.99	6704072.84	467921.41	N 60 28 24.293	W 123 35 0.434
1642.90	27.88	172.26	1508.66	532.71	-562.89	45.93	2.96	6704068.43	467921.89	N 60 28 24.150	W 123 35 0.400
1652.10	28.23	173.01	1516.78	536.86	-567.18	46.49	1.62	6704064.13	467922.40	N 60 28 24.012	W 123 35 0.363
1661.80	28.28	173.99	1525.33	541.24	-571.75	47.01	1.44	6704059.57	467922.88	N 60 28 23.864	W 123 35 0.329
1671.50	28.38	174.26	1533.87	545.61	-576.33	47.48	0.50	6704054.99	467923.31	N 60 28 23.716	W 123 35 0.299
1681.00	28.18	174.09	1542.23	549.89	-580.80	47.93	0.68	6704050.51	467923.73	N 60 28 23.572	W 123 35 0.269
1690.50	28.30	172.74	1550.60	554.17	-585.27	48.45	2.05	6704046.04	467924.21	N 60 28 23.427	W 123 35 0.235
1700.10	28.42	172.66	1559.05	558.54	-589.79	49.03	0.39	6704041.51	467924.75	N 60 28 23.281	W 123 35 0.197
1709.70	28.95	173.31	1567.47	562.94	-594.37	49.59	1.92	6704036.94	467925.27	N 60 28 23.134	W 123 35 0.160
1719.20	28.55	175.54	1575.80	567.28	-598.91	50.04	3.61	6704032.39	467925.67	N 60 28 22.987	W 123 35 0.131
1728.80	28.33	177.69	1584.24	571.55	-603.48	50.31	3.27	6704027.83	467925.90	N 60 28 22.839	W 123 35 0.113
1738.50	28.43	177.79	1592.78	575.84	-608.08	50.49	0.34	6704023.22	467926.04	N 60 28 22.690	W 123 35 0.102
1747.80	28.33	177.56	1600.96	579.94	-612.50	50.67	0.48	6704018.80	467926.18	N 60 28 22.548	W 123 35 0.090
1757.30	28.30	178.56	1609.32	584.12	-617.00	50.82	1.50	6704014.30	467926.29	N 60 28 22.402	W 123 35 0.080
1764.50	28.20	177.81	1615.66	587.27	-620.41	50.93	1.54	6704010.89	467926.37	N 60 28 22.292	W 123 35 0.073
1772.90	28.28	174.96	1623.06	590.99	-624.37	51.18	4.82	6704006.93	467926.59	N 60 28 22.164	W 123 35 0.056
1782.80	28.20	174.99	1631.79	595.42	-629.04	51.59	0.25	6704002.26	467926.96	N 60 28 22.013	W 123 35 0.030
1792.20	27.68	176.43	1640.09	599.57	-633.43	51.92	2.72	6703997.87	467927.25	N 60 28 21.871	W 123 35 0.008
1801.40	27.45	174.31	1648.25	603.58	-637.68	52.26	3.29	6703993.62	467927.55	N 60 28 21.734	W 123 34 59.986
1811.30	27.40	173.89	1657.03	607.91	-642.21	52.73	0.61	6703989.09	467927.98	N 60 28 21.588	W 123 34 59.955
1820.90	26.80	174.16	1665.58	612.07	-646.56	53.19	1.91	6703984.73	467928.40	N 60 28 21.447	W 123 34 59.925
1830.10	26.15	177.46	1673.82	615.93	-650.65	53.49	5.24	6703980.64	467928.66	N 60 28 21.315	W 123 34 59.905
1839.90	26.43	179.26	1682.60	619.94	-654.99	53.61	2.59	6703976.31	467928.75	N 60 28 21.175	W 123 34 59.897
1849.50	26.75	179.36	1691.19	623.88	-659.28	53.66	1.01	6703972.01	467928.76	N 60 28 21.036	W 123 34 59.894
1858.60	26.85	179.06	1699.31	627.65	-663.39	53.72	0.55	6703967.91	467928.78	N 60 28 20.904	W 123 34 59.890
1868.60	27.68	177.01	1708.20	631.90	-667.96	53.88	3.76	6703963.33	467928.90	N 60 28 20.756	W 123 34 59.880
1878.20	27.68	176.39	1716.70	636.07	-672.42	54.13	0.90	6703958.88	467929.12	N 60 28 20.612	W 123 34 59.863

1887.60	27.58	176.76	1725.03	640.15	-676.77	54.39	0.63	6703954.53	467929.34	N 60 28 20.471	W 123 34 59.846
1897.30	28.18	177.99	1733.60	644.37	-681.30	54.60	2.57	6703950.00	467929.50	N 60 28 20.325	W 123 34 59.832
1906.10	28.13	177.76	1741.36	648.22	-685.45	54.75	0.41	6703945.85	467929.62	N 60 28 20.191	W 123 34 59.822
1916.30	27.95	174.66	1750.36	652.72	-690.23	55.07	4.32	6703941.06	467929.90	N 60 28 20.036	W 123 34 59.802
1926.10	27.53	174.84	1759.04	657.03	-694.77	55.49	1.31	6703936.52	467930.27	N 60 28 19.889	W 123 34 59.774
1935.70	28.00	174.84	1767.53	661.26	-699.23	55.89	1.47	6703932.06	467930.63	N 60 28 19.746	W 123 34 59.748
1945.00	28.10	173.89	1775.74	665.41	-703.58	56.32	1.48	6703927.71	467931.03	N 60 28 19.605	W 123 34 59.720
1954.80	28.48	171.96	1784.37	669.86	-708.19	56.89	3.03	6703923.10	467931.56	N 60 28 19.456	W 123 34 59.682
1964.30	28.43	170.86	1792.72	674.22	-712.66	57.57	1.66	6703918.62	467932.19	N 60 28 19.311	W 123 34 59.638
1973.30	28.05	171.06	1800.65	678.33	-716.87	58.24	1.31	6703914.41	467932.82	N 60 28 19.176	W 123 34 59.594
1983.30	28.33	172.69	1809.46	682.87	-721.55	58.91	2.46	6703909.73	467933.45	N 60 28 19.024	W 123 34 59.551
2002.40	28.65	175.21	1826.25	691.53	-730.60	59.86	1.95	6703900.67	467934.33	N 60 28 18.732	W 123 34 59.488
2012.00	28.51	173.54	1834.68	695.89	-735.17	60.31	2.53	6703896.09	467934.74	N 60 28 18.584	W 123 34 59.459
2020.10	28.63	173.36	1841.80	699.59	-739.02	60.76	0.55	6703892.24	467935.15	N 60 28 18.460	W 123 34 59.430
2030.60	28.53	173.94	1851.02	704.37	-744.01	61.31	0.84	6703887.25	467935.66	N 60 28 18.299	W 123 34 59.393
2040.60	28.10	174.49	1859.82	708.87	-748.73	61.79	1.51	6703882.53	467936.09	N 60 28 18.146	W 123 34 59.362
2050.10	28.13	172.76	1868.20	713.14	-753.18	62.29	2.58	6703878.08	467936.55	N 60 28 18.002	W 123 34 59.329
2059.40	28.35	174.46	1876.39	717.33	-757.55	62.78	2.69	6703873.70	467937.00	N 60 28 17.861	W 123 34 59.297
2069.20	28.38	174.91	1885.02	721.74	-762.19	63.21	0.66	6703869.06	467937.39	N 60 28 17.711	W 123 34 59.269
2078.80	28.20	173.34	1893.47	726.06	-766.72	63.67	2.39	6703864.54	467937.82	N 60 28 17.565	W 123 34 59.239
2088.40	28.38	174.41	1901.92	730.39	-771.24	64.16	1.68	6703860.01	467938.26	N 60 28 17.419	W 123 34 59.207
2097.90	28.43	174.41	1910.28	734.68	-775.74	64.60	0.16	6703855.51	467938.66	N 60 28 17.274	W 123 34 59.178
2107.30	28.33	173.79	1918.55	738.92	-780.18	65.06	0.99	6703851.06	467939.08	N 60 28 17.130	W 123 34 59.148
2116.80	27.98	174.91	1926.92	743.18	-784.64	65.50	2.00	6703846.60	467939.48	N 60 28 16.986	W 123 34 59.119
2126.40	28.15	174.29	1935.40	747.45	-789.14	65.92	1.06	6703842.10	467939.87	N 60 28 16.841	W 123 34 59.091
2136.00	27.85	173.16	1943.87	751.75	-793.62	66.42	1.90	6703837.62	467940.32	N 60 28 16.696	W 123 34 59.059
2145.50	27.90	173.64	1952.27	755.98	-798.03	66.93	0.73	6703833.21	467940.79	N 60 28 16.553	W 123 34 59.026
2155.20	27.88	173.61	1960.84	760.31	-802.54	67.43	0.08	6703828.69	467941.25	N 60 28 16.408	W 123 34 58.993
2164.70	27.30	174.84	1969.26	764.48	-806.92	67.87	2.57	6703824.31	467941.66	N 60 28 16.266	W 123 34 58.964
2174.30	27.53	176.01	1977.79	768.65	-811.32	68.23	1.83	6703819.91	467941.97	N 60 28 16.124	W 123 34 58.941
2183.80	27.75	174.06	1986.20	772.81	-815.71	68.61	2.94	6703815.52	467942.31	N 60 28 15.982	W 123 34 58.916
2193.50	27.60	173.81	1994.79	777.10	-820.19	69.08	0.59	6703811.03	467942.75	N 60 28 15.837	W 123 34 58.885
2202.90	27.68	175.66	2003.12	781.23	-824.54	69.48	2.75	6703806.69	467943.11	N 60 28 15.697	W 123 34 58.858
2212.40	27.68	177.74	2011.53	785.35	-828.94	69.74	3.05	6703802.28	467943.33	N 60 28 15.555	W 123 34 58.842
2222.00	27.60	176.96	2020.04	789.50	-833.39	69.94	1.16	6703797.84	467943.49	N 60 28 15.411	W 123 34 58.828
2231.40	27.43	177.46	2028.37	793.55	-837.73	70.16	0.92	6703793.50	467943.67	N 60 28 15.271	W 123 34 58.815
2241.10	27.43	178.56	2036.98	797.69	-842.19	70.31	1.57	6703789.03	467943.78	N 60 28 15.126	W 123 34 58.804
2250.70	27.17	177.09	2045.51	801.77	-846.59	70.48	2.26	6703784.63	467943.91	N 60 28 14.984	W 123 34 58.794
2260.10	27.55	178.09	2053.86	805.79	-850.91	70.66	1.90	6703780.32	467944.05	N 60 28 14.845	W 123 34 58.782
2269.80	27.30	175.24	2062.47	809.96	-855.37	70.92	4.13	6703775.86	467944.27	N 60 28 14.701	W 123 34 58.765
2279.30	27.10	176.54	2070.92	814.05	-859.70	71.23	1.98	6703771.53	467944.54	N 60 28 14.561	W 123 34 58.744
2288.20	27.18	176.16	2078.84	817.85	-863.75	71.49	0.64	6703767.47	467944.77	N 60 28 14.430	W 123 34 58.727
2298.40	27.30	174.41	2087.91	822.26	-868.40	71.87	2.38	6703762.82	467945.11	N 60 28 14.280	W 123 34 58.702
2307.90	27.38	173.56	2096.35	826.40	-872.74	72.33	1.26	6703758.48	467945.53	N 60 28 14.139	W 123 34 58.672
2316.70	27.30	173.13	2104.17	830.26	-876.76	72.80	0.73	6703754.46	467945.96	N 60 28 14.010	W 123 34 58.642
2327.10	27.13	173.26	2113.42	834.80	-881.48	73.36	0.52	6703749.74	467946.48	N 60 28 13.857	W 123 34 58.605
2336.60	27.13	172.46	2121.87	838.95	-885.78	73.90	1.15	6703745.44	467946.98	N 60 28 13.718	W 123 34 58.570
2345.60	26.85	171.21	2129.89	842.88	-889.82	74.48	2.11	6703741.39	467947.53	N 60 28 13.588	W 123 34 58.532
2357.80	26.90	170.91	2140.77	848.20	-895.27	75.34	0.36	6703735.94	467948.33	N 60 28 13.412	W 123 34 58.476
2367.40	26.45	171.59	2149.35	852.36	-899.53	75.99	1.70	6703731.67	467948.95	N 60 28 13.274	W 123 34 58.433
2376.80	25.90	170.46	2157.79	856.36	-903.62	76.64	2.37	6703727.57	467949.56	N 60 28 13.142	W 123 34 58.390
2386.40	26.08	172.41	2166.42	860.41	-907.78	77.27	2.73	6703723.41	467950.15	N 60 28 13.007	W 123 34 58.349
2396.20	26.58	173.86	2175.20	864.57	-912.10	77.78	2.49	6703719.09	467950.63	N 60 28 12.868	W 123 34 58.315
2405.50	26.27	174.21	2183.53	868.50	-916.21	78.21	1.12	6703714.97	467951.02	N 60 28 12.735	W 123 34 58.287
2415.10	25.83	173.31	2192.15	872.51	-920.40	78.67	1.85	6703710.78	467951.44	N 60 28 12.599	W 123 34 58.257
2424.50	25.89	172.93	2200.61	876.43	-924.47	79.16	0.56	6703706.71	467951.90	N 60 28 12.468	W 123 34 58.225
2433.80	25.86	172.77	2208.98	880.31	-928.50	79.67	0.25	6703702.68	467952.37	N 60 28 12.338	W 123 34 58.192
2443.80	25.90	172.76	2217.98	884.49	-932.83	80.22	0.12	6703698.34	467952.88	N 60 28 12.198	W 123 34 58.156
2453.30	25.66	172.41	2226.53	888.45	-936.93	80.75	0.90	6703694.24	467953.38	N 60 28 12.066	W 123 34 58.121
2462.40	25.60	173.46	2234.73	892.21	-940.84	81.24	1.51	6703690.34	467953.83	N 60 28 11.939	W 123 34 58.090
2472.40	25.60	174.24	2243.75	896.33	-945.13	81.70	1.01	6703686.04	467954.25	N 60 28 11.801	W 123 34 58.059
2481.90	25.77	173.96	2252.31	900.24	-949.23	82.12	0.66	6703681.94	467954.64	N 60 28 11.668	W 123 34 58.032
2491.40	25.92	173.54	2260.86	904.18	-953.34	82.57	0.75	6703677.82	467955.05	N 60 28 11.535	W 123 34 58.002
2501.10	26.10	171.34	2269.58	908.26	-957.56	83.13	3.04	6703673.60	467955.57	N 60 28 11.399	W 123 34 57.965

2510.70	26.10	171.56	2278.20	912.33	-961.74	83.76	0.30	6703669.42	467956.16	N 60 28 11.264	W 123 34 57.924
2520.00	26.23	169.89	2286.55	916.29	-965.78	84.42	2.41	6703665.37	467956.79	N 60 28 11.133	W 123 34 57.881
2529.60	26.15	171.81	2295.16	920.39	-969.97	85.10	2.66	6703661.18	467957.43	N 60 28 10.998	W 123 34 57.837
2539.30	25.85	171.04	2303.88	924.48	-974.17	85.73	1.40	6703656.98	467958.02	N 60 28 10.862	W 123 34 57.796
2548.60	25.98	169.41	2312.25	928.42	-978.18	86.42	2.34	6703652.97	467958.68	N 60 28 10.733	W 123 34 57.750
2558.40	26.00	168.91	2321.06	932.60	-982.39	87.23	0.67	6703648.74	467959.45	N 60 28 10.597	W 123 34 57.698
2568.00	26.48	170.18	2329.67	936.73	-986.57	88.00	2.31	6703644.56	467960.18	N 60 28 10.462	W 123 34 57.647
2577.50	27.08	171.04	2338.15	940.87	-990.79	88.69	2.26	6703640.34	467960.84	N 60 28 10.325	W 123 34 57.602
2587.00	28.23	171.21	2346.56	945.12	-995.15	89.38	3.64	6703635.98	467961.48	N 60 28 10.185	W 123 34 57.557
2596.60	29.00	170.86	2354.99	949.56	-999.69	90.09	2.46	6703631.43	467962.16	N 60 28 10.038	W 123 34 57.510
2606.00	29.85	169.56	2363.18	954.04	-1004.24	90.88	3.39	6703626.87	467962.90	N 60 28 9.891	W 123 34 57.459
2615.70	28.98	168.09	2371.63	958.68	-1008.91	91.80	3.50	6703622.19	467963.78	N 60 28 9.740	W 123 34 57.398
2626.80	28.35	165.26	2381.37	963.91	-1014.09	93.03	4.04	6703617.01	467964.96	N 60 28 9.572	W 123 34 57.318
2636.20	28.70	162.91	2389.63	968.36	-1018.41	94.26	3.75	6703612.68	467966.15	N 60 28 9.433	W 123 34 57.238
2645.70	30.67	160.18	2397.88	973.04	-1022.87	95.75	7.54	6703608.21	467967.60	N 60 28 9.289	W 123 34 57.140
2655.40	31.20	157.63	2406.20	978.02	-1027.52	97.54	4.37	6703603.54	467969.36	N 60 28 9.139	W 123 34 57.022
2664.60	31.50	155.89	2414.06	982.80	-1031.92	99.43	3.11	6703599.13	467971.21	N 60 28 8.997	W 123 34 56.899
2674.50	30.23	156.34	2422.56	987.88	-1036.56	101.49	3.91	6703594.47	467973.22	N 60 28 8.847	W 123 34 56.764
2683.60	29.73	154.16	2430.44	992.43	-1040.69	103.39	3.95	6703590.33	467975.09	N 60 28 8.713	W 123 34 56.640
2692.70	29.35	152.93	2438.36	996.91	-1044.71	105.39	2.36	6703586.29	467977.05	N 60 28 8.583	W 123 34 56.509
2702.70	29.95	150.08	2447.05	1001.84	-1049.05	107.75	4.60	6703581.93	467979.37	N 60 28 8.443	W 123 34 56.355
2711.70	30.30	149.18	2454.83	1006.33	-1052.95	110.04	1.90	6703578.01	467981.62	N 60 28 8.317	W 123 34 56.205
2721.90	31.73	146.44	2463.57	1011.53	-1057.39	112.84	5.91	6703573.55	467984.38	N 60 28 8.173	W 123 34 56.022
2731.70	33.85	146.96	2471.81	1016.77	-1061.83	115.75	6.55	6703569.09	467987.25	N 60 28 8.030	W 123 34 55.831
2740.90	35.88	146.31	2479.36	1021.96	-1066.22	118.64	6.73	6703564.67	467990.10	N 60 28 7.888	W 123 34 55.642
2750.90	38.02	147.68	2487.35	1027.89	-1071.26	121.91	6.88	6703559.60	467993.33	N 60 28 7.725	W 123 34 55.428
2759.90	40.90	147.79	2494.30	1033.56	-1076.10	124.97	9.60	6703554.74	467996.34	N 60 28 7.569	W 123 34 55.228
2770.00	43.57	149.83	2501.78	1040.29	-1081.91	128.48	8.91	6703548.90	467999.80	N 60 28 7.381	W 123 34 54.998
2779.00	45.26	150.85	2508.20	1046.56	-1087.38	131.60	6.12	6703543.41	468002.86	N 60 28 7.204	W 123 34 54.794
2789.70	46.51	152.92	2515.65	1054.22	-1094.16	135.21	5.44	6703536.60	468006.42	N 60 28 6.986	W 123 34 54.557
2799.20	48.87	154.61	2522.05	1061.24	-1100.46	138.32	8.43	6703530.27	468009.47	N 60 28 6.782	W 123 34 54.354
2808.10	51.29	156.48	2527.76	1068.07	-1106.67	141.14	9.48	6703524.04	468012.23	N 60 28 6.581	W 123 34 54.170
2817.50	54.75	155.84	2533.41	1075.57	-1113.54	144.18	11.16	6703517.15	468015.21	N 60 28 6.359	W 123 34 53.971
2826.60	56.96	156.25	2538.52	1083.10	-1120.42	147.23	7.37	6703510.24	468018.20	N 60 28 6.137	W 123 34 53.771
2836.30	58.82	154.94	2543.68	1091.32	-1127.90	150.63	6.70	6703502.73	468021.53	N 60 28 5.895	W 123 34 53.549
2845.70	58.43	154.26	2548.57	1099.34	-1135.15	154.07	2.23	6703495.46	468024.91	N 60 28 5.661	W 123 34 53.323
2855.70	59.09	153.95	2553.76	1107.89	-1142.84	157.81	2.13	6703487.73	468028.57	N 60 28 5.412	W 123 34 53.079
2864.60	60.51	154.75	2558.23	1115.58	-1149.78	161.14	5.32	6703480.77	468031.84	N 60 28 5.188	W 123 34 52.861
2874.20	63.05	153.28	2562.77	1124.03	-1157.38	164.84	8.91	6703473.14	468035.48	N 60 28 4.943	W 123 34 52.619
2884.40	65.01	155.49	2567.24	1133.20	-1165.65	168.80	8.21	6703464.84	468039.36	N 60 28 4.676	W 123 34 52.359
2893.50	66.39	154.84	2570.98	1141.49	-1173.17	172.29	4.95	6703457.29	468042.78	N 60 28 4.432	W 123 34 52.131
2921.50	69.91	155.80	2581.40	1167.47	-1196.79	183.14	3.89	6703433.59	468053.41	N 60 28 3.670	W 123 34 51.422
2931.40	71.03	155.80	2584.71	1176.80	-1205.30	186.96	3.39	6703425.05	468057.16	N 60 28 3.395	W 123 34 51.171
2941.30	71.55	155.72	2587.89	1186.18	-1213.85	190.81	1.59	6703416.47	468060.93	N 60 28 3.118	W 123 34 50.920
2950.70	72.33	155.83	2590.80	1195.11	-1222.00	194.48	2.51	6703408.29	468064.52	N 60 28 2.855	W 123 34 50.680
2959.60	73.46	154.72	2593.42	1203.62	-1229.72	198.03	5.22	6703400.54	468068.01	N 60 28 2.605	W 123 34 50.447
2969.70	74.24	154.30	2596.23	1213.32	-1238.48	202.21	2.61	6703391.75	468072.11	N 60 28 2.322	W 123 34 50.174
2979.10	75.84	153.37	2598.66	1222.39	-1246.63	206.21	5.86	6703383.56	468076.04	N 60 28 2.059	W 123 34 49.912
2988.40	76.17	153.73	2600.90	1231.41	-1254.71	210.23	1.55	6703375.45	468079.98	N 60 28 1.798	W 123 34 49.649
2998.00	76.03	151.71	2603.21	1240.71	-1262.99	214.50	6.14	6703367.14	468084.18	N 60 28 1.530	W 123 34 49.369
3007.40	76.49	151.11	2605.44	1249.82	-1271.01	218.87	2.37	6703359.08	468088.48	N 60 28 1.271	W 123 34 49.083
3017.10	77.46	150.61	2607.63	1259.23	-1279.26	223.48	3.36	6703350.79	468093.00	N 60 28 1.005	W 123 34 48.782
3026.80	78.34	149.29	2609.66	1268.66	-1287.47	228.23	4.83	6703342.54	468097.68	N 60 28 0.739	W 123 34 48.471
3036.60	79.14	148.09	2611.58	1278.20	-1295.68	233.22	4.36	6703334.29	468102.60	N 60 28 0.474	W 123 34 48.145
3045.70	79.35	147.26	2613.28	1287.04	-1303.24	238.00	2.78	6703326.70	468107.31	N 60 28 0.230	W 123 34 47.832
3055.70	79.70	146.23	2615.09	1296.75	-1311.46	243.39	3.21	6703318.43	468112.63	N 60 27 59.964	W 123 34 47.479
3065.10	80.50	145.19	2616.71	1305.86	-1319.11	248.61	4.15	6703310.74	468117.77	N 60 27 59.717	W 123 34 47.138
3074.40	81.13	144.60	2618.19	1314.87	-1326.62	253.89	2.77	6703303.18	468122.98	N 60 27 59.475	W 123 34 46.792
3084.10	81.72	143.34	2619.64	1324.26	-1334.38	259.53	4.26	6703295.38	468128.55	N 60 27 59.224	W 123 34 46.423
3093.80	82.27	142.15	2620.99	1333.61	-1342.02	265.35	4.02	6703287.69	468134.30	N 60 27 58.977	W 123 34 46.043
3102.90	81.85	142.63	2622.25	1342.37	-1349.16	270.85	2.09	6703280.50	468139.73	N 60 27 58.746	W 123 34 45.683
3112.90	82.06	141.49	2623.65	1351.98	-1356.97	276.93	3.44	6703272.64	468145.75	N 60 27 58.494	W 123 34 45.284
3122.40	82.47	141.17	2624.93	1361.09	-1364.32	282.82	1.64	6703265.24	468151.56	N 60 27 58.256	W 123 34 44.900
3131.60	83.10	140.09	2626.08	1369.89	-1371.38	288.61	4.05	6703258.14	468157.29	N 60 27 58.028	W 123 34 44.521

3141.50	83.72	139.52	2627.22	1379.34	-1378.89	294.95	2.54	6703250.57	468163.57	N 60 27 57.786	W 123 34 44.105
3151.10	85.27	139.08	2628.14	1388.50	-1386.13	301.18	5.03	6703243.28	468169.73	N 60 27 57.552	W 123 34 43.698
3160.70	85.44	137.76	2628.92	1397.62	-1393.29	307.53	4.15	6703236.07	468176.01	N 60 27 57.320	W 123 34 43.282
3170.30	85.54	135.98	2629.67	1406.66	-1400.27	314.08	5.55	6703229.03	468182.49	N 60 27 57.095	W 123 34 42.854
3179.80	85.95	135.29	2630.38	1415.55	-1407.05	320.70	2.53	6703222.20	468189.05	N 60 27 56.876	W 123 34 42.421
3189.20	86.71	134.60	2630.98	1424.31	-1413.67	327.34	3.27	6703215.52	468195.63	N 60 27 56.662	W 123 34 41.986
3199.00	87.67	133.98	2631.46	1433.40	-1420.51	334.35	3.50	6703208.62	468202.57	N 60 27 56.441	W 123 34 41.528
3208.50	89.14	133.04	2631.72	1442.18	-1427.05	341.23	5.51	6703202.03	468209.40	N 60 27 56.230	W 123 34 41.077
3218.20	89.86	131.41	2631.81	1451.06	-1433.57	348.42	5.51	6703195.45	468216.52	N 60 27 56.019	W 123 34 40.607
3227.80	90.34	130.88	2631.79	1459.78	-1439.88	355.65	2.23	6703189.07	468223.69	N 60 27 55.815	W 123 34 40.134
3237.30	89.76	132.11	2631.78	1468.43	-1446.18	362.76	4.29	6703182.71	468230.75	N 60 27 55.611	W 123 34 39.669
3246.70	90.03	130.57	2631.80	1476.97	-1452.38	369.82	4.99	6703176.44	468237.75	N 60 27 55.411	W 123 34 39.207
3256.60	90.03	131.32	2631.79	1485.95	-1458.87	377.30	2.27	6703169.89	468245.16	N 60 27 55.201	W 123 34 38.718
3266.10	90.31	130.37	2631.77	1494.55	-1465.09	384.48	3.13	6703163.62	468252.29	N 60 27 55.000	W 123 34 38.248
3275.50	90.38	130.40	2631.71	1503.03	-1471.18	391.64	0.24	6703157.47	468259.40	N 60 27 54.804	W 123 34 37.779
3294.80	88.15	128.00	2631.96	1520.26	-1483.37	406.60	5.09	6703145.15	468274.23	N 60 27 54.410	W 123 34 36.801
3304.30	88.36	126.82	2632.25	1528.60	-1489.14	414.14	3.78	6703139.31	468281.72	N 60 27 54.223	W 123 34 36.307
3314.10	88.35	126.73	2632.53	1537.16	-1495.00	421.98	0.28	6703133.38	468289.51	N 60 27 54.034	W 123 34 35.794
3323.60	88.60	127.23	2632.78	1545.47	-1500.72	429.57	1.76	6703127.60	468297.05	N 60 27 53.849	W 123 34 35.298
3333.10	88.56	126.91	2633.02	1553.78	-1506.44	437.15	1.02	6703121.81	468304.57	N 60 27 53.664	W 123 34 34.802
3343.30	88.46	127.25	2633.28	1562.71	-1512.59	445.28	1.04	6703115.60	468312.65	N 60 27 53.465	W 123 34 34.270
3352.90	88.77	126.15	2633.51	1571.09	-1518.32	452.98	3.57	6703109.79	468320.29	N 60 27 53.280	W 123 34 33.766
3362.30	88.36	126.99	2633.75	1579.28	-1523.92	460.52	2.98	6703104.13	468327.78	N 60 27 53.099	W 123 34 33.272
3371.80	88.15	127.14	2634.04	1587.59	-1529.65	468.10	0.81	6703098.34	468335.30	N 60 27 52.914	W 123 34 32.777
3381.50	88.53	124.49	2634.32	1595.98	-1535.32	475.96	8.28	6703092.60	468343.11	N 60 27 52.731	W 123 34 32.262
3390.20	88.12	125.36	2634.57	1603.43	-1540.30	483.09	3.32	6703087.56	468350.19	N 60 27 52.570	W 123 34 31.796
3400.50	87.53	125.86	2634.96	1612.31	-1546.29	491.46	2.25	6703081.50	468358.51	N 60 27 52.376	W 123 34 31.248
3410.04	87.91	125.43	2635.34	1620.54	-1551.85	499.21	1.80	6703075.88	468366.20	N 60 27 52.197	W 123 34 30.741
3420.00	87.67	126.28	2635.73	1629.16	-1557.68	507.27	2.66	6703069.98	468374.21	N 60 27 52.008	W 123 34 30.214
3429.50	87.18	127.10	2636.15	1637.44	-1563.35	514.88	3.01	6703064.24	468381.77	N 60 27 51.825	W 123 34 29.716
3439.30	87.71	127.10	2636.59	1646.01	-1569.25	522.69	1.62	6703058.27	468389.52	N 60 27 51.634	W 123 34 29.205
3448.50	88.18	128.12	2636.92	1654.10	-1574.86	529.98	3.66	6703052.60	468396.75	N 60 27 51.453	W 123 34 28.728
3458.40	89.42	127.58	2637.13	1662.84	-1580.94	537.79	4.10	6703046.46	468404.51	N 60 27 51.257	W 123 34 28.217
3467.90	89.62	126.67	2637.21	1671.16	-1586.67	545.37	2.94	6703040.66	468412.03	N 60 27 51.071	W 123 34 27.721
3478.00	89.28	124.96	2637.31	1679.90	-1592.58	553.55	5.18	6703034.68	468420.16	N 60 27 50.880	W 123 34 27.186
3487.60	88.25	124.87	2637.51	1688.12	-1598.07	561.43	3.23	6703029.12	468427.98	N 60 27 50.703	W 123 34 26.671
3497.10	88.08	124.54	2637.82	1696.24	-1603.48	569.23	1.17	6703023.65	468435.73	N 60 27 50.528	W 123 34 26.160
3506.60	87.70	126.00	2638.17	1704.40	-1608.96	576.98	4.76	6703018.10	468443.43	N 60 27 50.351	W 123 34 25.653
3516.20	87.67	126.10	2638.55	1712.72	-1614.61	584.74	0.33	6703012.39	468451.14	N 60 27 50.169	W 123 34 25.146
3525.80	88.77	125.93	2638.85	1721.04	-1620.25	592.50	3.48	6703006.68	468458.84	N 60 27 49.986	W 123 34 24.638
3535.20	89.14	125.18	2639.02	1729.14	-1625.71	600.14	2.67	6703001.15	468466.44	N 60 27 49.810	W 123 34 24.138
3545.10	89.42	126.21	2639.15	1737.70	-1631.49	608.18	3.23	6702995.30	468474.42	N 60 27 49.623	W 123 34 23.612
3554.50	89.69	125.13	2639.22	1745.81	-1636.97	615.82	3.55	6702989.76	468482.01	N 60 27 49.446	W 123 34 23.112
3563.90	89.49	126.78	2639.29	1753.95	-1642.49	623.43	5.30	6702984.17	468489.56	N 60 27 49.268	W 123 34 22.614
3573.80	88.97	126.23	2639.42	1762.58	-1648.38	631.39	2.29	6702978.22	468497.46	N 60 27 49.077	W 123 34 22.094
3583.40	88.53	126.65	2639.63	1770.93	-1654.08	639.11	1.90	6702972.45	468505.13	N 60 27 48.893	W 123 34 21.589
3592.80	88.28	127.55	2639.89	1779.16	-1659.75	646.60	2.98	6702966.72	468512.57	N 60 27 48.710	W 123 34 21.098
3602.50	88.08	127.94	2640.20	1787.70	-1665.68	654.27	1.36	6702960.72	468520.18	N 60 27 48.518	W 123 34 20.597
3612.20	88.42	129.26	2640.50	1796.32	-1671.73	661.84	4.21	6702954.60	468527.70	N 60 27 48.323	W 123 34 20.101
3621.70	88.97	128.37	2640.71	1804.77	-1677.68	669.24	3.30	6702948.59	468535.05	N 60 27 48.130	W 123 34 19.617
3631.60	89.11	129.16	2640.88	1813.58	-1683.88	676.96	2.43	6702942.32	468542.71	N 60 27 47.930	W 123 34 19.112
3641.00	89.38	129.21	2641.00	1821.97	-1689.82	684.25	0.88	6702936.32	468549.94	N 60 27 47.738	W 123 34 18.635
3650.80	89.93	129.13	2641.06	1830.72	-1696.01	691.85	1.70	6702930.07	468557.48	N 60 27 47.538	W 123 34 18.138
3660.30	89.79	127.17	2641.09	1839.12	-1701.88	699.32	6.21	6702924.14	468564.89	N 60 27 47.348	W 123 34 17.650
3670.00	88.97	125.74	2641.19	1847.56	-1707.64	707.12	5.10	6702918.31	468572.64	N 60 27 47.162	W 123 34 17.139
3682.80	87.57	124.73	2641.58	1858.56	-1715.02	717.57	4.05	6702910.84	468583.02	N 60 27 46.924	W 123 34 16.456
3700.00	87.00	124.00	2642.39	1873.20	-1724.72	731.75	1.61	6702901.02	468597.11	N 60 27 46.610	W 123 34 15.528

Survey Type: Definitive Survey

Survey Error Model: SLB ISCWSA version 16 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

MD From (m)

MD To (m) EOU Freq Survey Tool Type

0.00	759.40	Act-Stns SLB_MWD+DMAG
759.40	3700.00	Act-Stns SLB_MWD-STD

**Italicized stations are NOT used in position calculations.*