

FUEL GAS PIPELINE
MONUMENTATION
SURVEY

BEARING AND DISTANCE SCHEDULE
REFERENCE POINT SCHEDULE

PREPARED FOR

ALYESKA PIPELINE
SERVICE COMPANY

PREPARED BY

BOMHOFF & ASSOCIATES, INC.
ANCHORAGE, ALASKA

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1979

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SECTION A

Bearing and Distance
Schedule

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azimuth	Distance	Bearing	Distance
1	5852267.30	666418.60				
			220-27-09	873.75	SW 41-41-56	873.81
1-1	5851602.43	665851.70				
			196-36-45	3660.66	SW 17-51-08.8	3660.91
1-2	5848094.56	664805.13				
			204-29-37	185.48	SW 25-43-44.7	185.49
1-3	5847925.77	664728.23				
			196-58-17	436.10	SW 18-12-21.7	436.13
1-4	5847508.67	664600.94				
			189-48-30	252.26	SW 11-02-32.1	252.27
1-5	5847260.10	664557.96				
			196-32-10	1161.60	SW 17-46-06.9	1161.68
2	5846146.54	664227.35				
			209-13-5	7807.60	SW 30-26-03.6	7808.15
3	5839332.32	660416.16				
			197-4-5	3783.04	SW 18-15-53.3	3783.30
3-1	5835715.90	659305.82				
			182-32-2	1658.90	SW 3-43-32.8	1659.02
4	5834058.62	659232.48				
			203-42-25	4980.37	SW 24-53-25.6	4980.72
5	5829498.52	657230.08				
			209-46-45	2558.45	SW 30-57-0.3	2558.63
6	5827277.93	655959.41				
			199-28-14	3763.56	SW 20-37-53.4	3763.83
6-1	5823729.60	654704.92				
			199-27-3	3782.82	SW 20-36-06.1	3783.09
7	5820162.68	653445.25				
			199-29-16	3704.38	SW 20-37-42.9	3704.65
7-1	5816670.51	652209.45				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
7-1	5816670.51	652209.45				
			199-30-19	2773.81	SW 20-38-15.6	2774.02
8	5814055.88	651283.29				
			163-57-17	2987.09	SE 14-54-49.7	2987.31
8-1	5811185.16	652108.91				
			163-52-18	3170.76	SE 14-59-27.5	3170.99
9	5808139.19	652989.72				
			163-54-13	3370.36	SE 14-57-10.1	3370.61
9-1	5804900.96	653924.16				
			163-52-17	3434.44	SE 14-58-42.6	3434.69
10	5801601.70	654878.23				
			163-52-10	6128.69	SE 14-58-16.8	6129.14
11	5795714.29	656580.94				
			174-32-44	5362.87	SE 4-17-16.7	5363.25
11-1	5790375.71	657090.71				
			187-57-51	2165.89	SW 9-07-50.5	2166.05
12	5788230.71	656790.61				
			175-57-39	2192.72	SE 2-52-24.5	2192.88
12-1	5786043.43	656945.07				
			176-10-35	3236.53	SE 2-39-25.4	3236.76
13	5782814.11	657160.90				
			153-24-54	4016.35	SE 25-24-41.1	4016.63
14	5779222.41	658958.31				
			142-55-57	4919.56	SE 35-52-37.4	4919.91
15	5775296.96	661923.60				
			165-41-29	7606.46	SE 13-06-04.2	7606.99
16	5767926.46	663803.50				
			165-41-29	6912.16	SE 13-05-21	6912.64
17	5761228.73	665511.81				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
17	5761228.73	665511.81				
18	5752492.36	665848.34	177-47-38	8742.85	SE 0-58-49.2	8743.45
18-1	5752145.92	665692.26	204-15-14	379.98	SW 25-28-46.1	380.01
18-2	5752017.31	665609.66	212-42-39	152.84	SW 33-56-07.8	152.85
18-3	5751716.73	665447.64	208-19-32	341.47	SW 29-32-57.2	341.50
18-4	5751495.28	665365.53	200-20-39	236.18	SW 21-34-00.4	236.20
19	5748468.95	663729.22	208-23-59	3440.38	SW 29-36-56.5	3440.62
19-1	5745209.90	663908.78	176-50-47	3263.99	SE 1-56-36.7	3264.21
19-2	5744079.27	664099.08	170-26-46	1146.54	SE 8-20-33.8	1146.62
20	5740531.80	664400.69	175-08-25	3560.27	SE 3-38-49.8	3560.51
21	5735126.89	664405.29	179-57-05	5404.91	SW 1-09-50.9	5405.28
22	5730916.22	665082.57	170-51-44	4264.80	SE 7-55-23.7	4265.09
23	5726182.59	665415.00	175-58-59	4745.29	SE 2-47-58.7	4745.62
24	5719447.27	668311.89	156-43-38	7331.89	SE 22-02-40	7332.39
25	5713325.77	670944.77	156-43-38	6663.69	SE 22-01-31.3	6664.14

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
25	5713325.77	670944.77				
			153-18-32	1711.88	SE 25-25-55.2	1711.99
25-1	5711796.31	671713.72				
			158-25-44	3567.66	SE 20-18-17.1	3567.90
26	5708478.53	673025.39				
			166-17-54	5778.48	SE 12-25-34.4	5778.86
26-1	5702864.49	674394.12				
			176-23-51	3063.70	SE 2-19-19.5	3063.90
27	5699806.84	674586.63				
			155-39-47	928.68	SE 23-03-17.3	928.74
27-1	5698960.69	674969.34				
			160-30-59	3819.38	SE 18-11-45.4	3819.63
28	5695360.02	676243.25				
			160-32-36	5014.64	SE 18-09-32	5014.96
29	5690631.74	677913.60				
			165-41-55	4656.68	SE 12-59-39	4656.97
29-1	5686119.38	679063.91				
			165-33-04	3062.09	SE 13-8-7.5	3062.28
30	5683154.14	679827.95				
			165-35-39	6056.35	SE 13-05-05.7	6056.73
31	5677288.22	681334.71				
			165-37-44	7476.68	SE 13-02-21	7477.15
32	5670045.49	683190.43				
			165-37-13	3293.20	SE 13-02-20.1	3293.40
32-1	5666855.46	684008.28				
			165-35-41	6353.64	SE 13-03-23.6	6354.02
32-2	5660701.58	685588.92				
			121-29-36	134.18	SE 57-09-08.5	134.19
32-3	5660631.49	685703.34				

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	Northing	Easting	Azmuth	Distance	Bearing	Distance
32-3	5660631.49	685703.34				
			165-23-50	890.69	SE 13-14-51	890.75
33	5659769.57	685927.90				
			191-49-40	4982.03	SW 13-10-46.9	4982.33
33-1	5654893.32	684906.72				
			178-14-08	101.33	SE 0-25-00.3	101.33
33-2	5654792.04	684909.84				
			184-48-01	144.32	SW 6-08-52.9	144.33
33-3	5654648.22	684897.77				
			192-53-34	440.83	SW 14-14-24.1	440.85
33-4	5654218.51	684799.40				
			200-34-31	166.99	SW 21-55-18.4	167.00
33-5	5654062.17	684740.72				
			191-50-55	1911.81	SW 13-11-35.8	1911.93
34	5652191.09	684348.17				
			247-54-14	3951.10	SW 69-14-0.6	3951.34
35	5650704.84	680687.27				
			245-55-38	3905.49	SW 67-13-49.3	3905.73
35-1	5649111.82	677121.45				
			218-44-27	3051.85	SW 40-01-25.1	3052.05
36	5646731.42	675211.60				
			199-04-09	4842.38	SW 20-20-18.5	4842.69
36-1	5642154.77	673629.55				
			227-22-44	2286.91	SW 48-38-09.2	2287.06
36-2	5640606.20	671946.73				
			273-30-05	139.12	NW 85-14-54.7	139.13
37	5640614.70	671807.87				
			224-44-19	369.95	SW 45-59-14.5	369.98
37-1	5640351.91	671547.47				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
37-1	5640351.91	671547.47				
			258-00-52	1891.52	SW 79-15-18.9	1891.64
38	5639959.11	669697.20				
			211-56-29	1456.63	SW 33-10-21.2	1456.73
38-1	5638723.03	668926.57				
			243-40-48	3020.09	SW 64-53-53.8	3020.29
38-2	5637383.96	666219.57				
			242-36-33	611.41	SW 63-48-56.1	611.45
38-3	5637102.68	665676.70				
			244-22-44	819.95	SW 65-34-50.1	820.00
39	5636748.12	664937.38				
			186-15-25	1895.69	SW 7-27-17.9	1895.82
39-1	5634863.72	664730.78				
			192-12-35	1155.83	SW 13-24-21	1155.91
39-2	5633734.04	664486.33				
			194-55-19	179.77	SW 16-07-01.3	179.79
39-3	5633560.32	664440.04				
			190-07-30	203.52	SW 11-19-11.1	203.54
39-4	5633359.97	664404.26				
			191-48-49	1606.55	SW 13-00-24.5	1606.66
40	5631787.45	664075.35				
			199-34-59	696.02	SW 20-46-26.4	696.07
40-1	5631131.69	663842.07				
			204-58-24	243.07	SW 26-09-46.9	243.08
40-2	5630911.35	663739.45				
			197-30-42	373.66	SW 18-42-01.6	373.69
40-3	5630555.01	663627.01				
			199-59-26	399.64	SW 21-10-42.3	399.67
40-4	5630179.44	663490.39				

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	Northing	Easting	Azimuth	Distance	Bearing	Distance
40-4	5630179.44	663490.39				
40-5	5628644.87	662957.39	199-09-13	1624.50	SW 20-20-20.4	1624.61
40-6	5628414.47	662845.41	205-55-08	256.17	SW 27-06-06.3	256.19
40-7	5628253.92	662785.24	200-32-47	171.45	SW 21-43-43	171.47
40-8	5628060.46	662728.97	196-13-03	201.48	SW 17-23-57.1	201.49
40-9	5627726.82	662671.67	189-44-38	338.53	SW 10-55-30.2	338.55
41	5627516.33	662632.73	190-28-54	214.06	SW 11-39-44.6	214.07
41-1	5627407.98	662704.90	146-20-07	130.18	SE 32-29-01.9	130.19
42	5624865.11	662235.18	190-27-56	2585.89	SW 11-38-41.8	2586.07
43	5619230.08	660920.84	193-07-45	5786.27	SW 14-18-04.8	5786.68
43-1	5615540.34	661142.72	176-33-31	3696.41	SE 2-16-26.6	3696.67
44	5613964.71	661231.68	176-46-07	1578.15	SE 2-03-48	1578.26
44-1	5611243.37	661398.51	176-29-31	2726.45	SE 2-20-22.3	2726.64
44-2	5610913.01	662119.55	114-36-56	793.11	SE 64-12-46.6	793.17
44-3	5610815.25	662389.34	109-55-06	286.96	SE 68-54-23.8	286.98

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
44-3	5610815.25	662389.34				
44-4	5610563.59	662882.22	117-02-57	553.42	SE 61-46-23	553.45
45	5610193.30	663690.36	114-37-01	888.94	SE 64-12-02	889.00
46	5607424.67	665313.85	149-36-48	3209.52	SE 29-11-44.7	3209.74
47	5604223.56	665627.28	174-24-30	3216.44	SE 4-23-38.7	3216.66
48	5600336.09	666007.87	174-24-30	3906.05	SE 4-23-31.8	3906.32
49	5597568.00	664406.19	210-03-17	3198.08	SW 31-14-56.5	3198.30
49-1	5597367.40	664290.12	210-03-17	231.76	SW 31-14-33.2	231.78
49-2	5597287.34	664243.80	210-03-17	92.49	SW 31-14-31.1	92.50
49-3	5597035.11	664147.53	200-53-24	269.98	SW 22-04-36.1	269.99
49-4	5596739.02	663974.47	210-18-19	342.96	SW 31-29-27.5	342.99
49-5	5596629.09	663895.27	215-46-23	135.48	SW 36-57-28.9	135.49
49-6	5596554.52	663830.17	221-07-14	98.99	SW 42-18-17.3	99.00
49-7	5596398.24	663729.35	212-49-42	185.98	SW 34-00-43.6	185.99
50	5594382.64	662563.07	210-03-17	2328.70	SW 31-14-0.7	2328.86

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
50	5594382.64	662563.07				
51	5589348.38	660729.25	200-00-54	5357.87	SW 21-10-57.3	5358.23
51-1	5586673.53	659754.89	200-00-54	2846.80	SW 21-10-18.5	2847.00
52	5584197.99	659870.19	177-20-00	2478.22	SE 1-30-49	2478.40
52-1	5582713.44	659940.84	177-16-32	1486.10	SE 1-34-15.8	1486.33
52-1-1	5582649.59	659945.32	175-59-26	64.01	SE 2-51-21.2	64.01
52-2	5582319.95	659970.68	175-36-00	330.61	SE 3-14-46.6	330.63
52-3	5581940.36	659987.36	177-29-03	379.96	SE 1-21-43.5	379.99
52-4	5581579.73	659992.14	179-14-24	360.66	SW 00-23-37.8	360.69
52-5	5580391.95	660047.47	177-20-00	1189.07	SE 1-30-46.1	1189.15
52-5-1	5580368.07	660050.58	172-34-11	24.08	SE 6-16-34.6	24.08
52-6	5580200.74	660089.91	166-46-26	171.89	SE 12-04-19.3	171.90
52-7	5579685.06	660113.93	177-20-00	516.24	SE 1-30-44.5	516.28
52-8	5579458.52	660117.97	178-58-38	226.57	SW 00-07-54	226.59
52-9	5579239.61	660103.14	183-52-33	219.41	SW 5-01-48.8	219.42

52 Not P.O.T.

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
52-9	5579239.61	660103.14				
			177-27-14	948.03	SE 1-23-30	948.10
53	5578292.52	660145.25				
			188-33-09	6509.34	SW 9-42-10	6510.09
54	5571855.56	659177.23				
			188-33-09	4445.69	SW 9-41-45.7	4445.73
55	5567459.30	658516.09				
			187-39-32	102.00	SW 8-47-58.5	102.01
55-1	5567358.21	658502.50				
			180-49-29	30.15	SW 1-57-55.7	30.15
55-2	5567328.06	658502.06				
			175-02-27	132.99	SE 3-49-06	133.00
55-3	5567195.58	658513.56				
			184-17-46	127.99	SW 5-26-12.7	128.00
55-4	5567067.95	658503.97				
			188-29-32	951.78	SW 9-37-56.2	951.85
55-5	5566126.60	658363.42				
			198-44-58	663.02	SW 19-53-17.3	663.06
56	5565498.77	658150.31				
			204-33-01	4351.57	SW 25-40-52.7	4351.88
57	5561540.59	656342.27				
			194-46-44	284.73	SW 15-54-10	284.75
57-1	5561265.28	656269.64				
			205-04-53	1058.89	SW 26-12-12.3	1058.97
57-2	5560306.23	655820.77				
			211-41-54	336.03	SW 32-49-05.8	336.06
57-3	5560020.33	655644.20				
			204-41-27	38.00	SW 25-48-34.9	38.00
57-4	5559985.81	655628.33				

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	Northing	Easting	Azmuth	Distance	Bearing	Distance
57-4	5559985.81	655628.33				
			204-33-41	2540.32	SW 25-40-35.1	2540.50
57-5	5557675.35	654572.40				
			204-25-21	2569.39	SW 25-31-45.6	2569.58
58	5555335.86	653510.06				
			202-13-58	676.93	SW 23-20-05.4	676.98
58-0	5554709.26	653253.93				
			202-14-27	3386.74	SW 23-20-13	3386.99
58-1	5551574.49	651972.05				
			181-40-28	3066.02	SW 2-45-54.3	3066.25
58-2	5548509.78	651882.46				
			181-40-41	497.54	SW 2-46-05.1	497.57
59	5548012.46	651867.89				
			161-53-38	2088.55	SE 17-00-50.5	2088.70
59-0	5546027.33	652516.97				
			162-02-03	852.95	SE 16-52-14.3	853.01
59-0-1	5545215.97	652780.06				
			162-13-02	503.61	SE 16-41-10	503.65
59-1	5544736.42	652933.87				
			170-18-00	425.02	SE 8-36-09.2	425.05
59-2	5544317.48	653005.48				
			167-12-51	370.84	SE 11-41-16.7	370.86
59-3	5543955.84	653087.55				
			172-45-46	185.59	SE 6-08-21.1	185.61
59-4	5543771.72	653110.93				
			175-37-14	168.47	SE 3-16-52.3	168.48
59-5	5543603.75	653123.79				
			182-07-46	290.33	SW 3-13-39.4	290.35
59-6	5543313.62	653113.01				

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	Northing	Easting	Azmuth	Distance	Bearing	Distance
59-6	5543313.62	653113.01	189-12-36	233.61	SW 10-18-29.3	233.62
60	5543083.02	653075.62	184-12-01	150.56	SW 5-17-53.4	150.61
60-1	5542932.83	653064.59	185-32-14	333.57	SW 6-38-05.1	333.60
60-2	5542600.81	653032.40	188-54-05	425.74	SW 9-59-55	425.77
60-3	5542180.20	652966.52	194-58-14	449.27	SW 16-04-01.4	449.30
60-4	5541746.18	652850.47	196-19-32	387.83	SW 17-25-16.4	387.85
60-5	5541373.99	652741.45	193-59-54	379.75	SW 15-05-35.2	379.79
60-6	5541005.51	652649.58	188-26-10	211.21	SW 9-31-49.6	211.23
60-7	5540796.59	652618.60	196-38-48	878.06	SW 17-44-23.4	878.12
60-8	5539955.33	652367.07	203-29-28	409.07	SW 24-34-58.4	409.10
60-9	5539580.16	652204.01	196-06-01	527.39	SW 17-11-26.4	527.43
60-10	5539073.46	652057.76	190-17-33	140.57	SW 11-22-56.6	140.58
60-11	5538935.15	652032.64	199-14-02	21.44	SW 20-19-25.5	21.44
60-12	5538914.91	652025.58	204-00-21	126.45	SW 25-05-43.4	126.46
60-13	5538799.40	651974.14				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
60-13	5538799.40	651974.14				
			197-06-40	1214.61	SW 18-11-56.5	1214.70
61	5537638.55	651616.77				
			185-55-13	1261.27	SW 7-00-22.3	1261.36
61-1	5536384.01	651486.68				
			185-56-51	3277.41	SW 7-01-53.7	3277.65
61-2	5533124.25	651147.08				
			185-52-53	1825.16	SW 6-57-46.7	1825.29
P.I 62	5531308.70	650960.06				
			185-52-04	3962.67	SW 6-56-49	3962.97
P.I 63	5527366.79	650554.94				
			185-55-58	1623.29	SW 7-00-34.3	1623.41
63-1	5525752.20	650387.15				
			150-23-43	610.00	SE 28-31-39.7	610.05
63-2	5525221.83	650688.49				
			150-21-47	3150.32	SE 28-33-12.9	3150.56
63-3	5522483.64	652246.34				
			150-21-42	330.75	SE 28-32-56.7	330.78
64	5522196.17	652409.90				
			152-28-28	391.95	SE 26-26-06.4	391.98
64-1	5521848.58	652591.04				
			152-52-25	355.46	SE 26-02-04.9	355.49
64-2	5521532.22	652753.11				
			140-19-58	161.98	SE 38-34-28.3	161.99
64-3	5521407.53	652856.51				
			153-16-24	212.47	SE 25-38-00.4	212.49
64-4	5521217.76	652952.07				
			166-07-19	186.97	SE 12-47-03.9	186.99
64-5	5521036.25	652996.91				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
64-5	5521036.25	652996.91				
64-6	5520612.92	653179.28	156-41-37	460.94	SE 22-12-42.9	460.97
64-7	5519469.18	653735.08	154-04-58	1271.64	SE 24-49-12.6	1271.73
65	5517242.89	655001.81	150-21-38	2561.43	SE 28-32-10	2561.62
66	5512013.24	654215.03	188-33-21	5288.51	SW 9-39-36.4	5288.90
66-1	5511347.34	654546.64	153-31-38	743.90	SE 25-22-14.3	743.95
66-2	5511141.07	654675.05	148-05-43	242.97	SE 30-48-03.2	242.99
66-3	5510800.53	654850.22	152-46-44	382.95	SE 26-06-58.1	382.98
66-4	5510723.38	654871.33	164-42-03	79.99	SE 14-11-37.3	79.99
66-5	5510630.54	654903.60	160-50-01	98.29	SE 18-03-38.3	98.30
67	5508650.92	655889.43	153-31-38	2211.51	SE 25-21-49.3	2211.67
68	5500510.24	654643.21	188-42-13	8235.52	SW 9-48-40.1	8236.12
68-1	5499874.84	654363.90	203-43-44	694.08	SW 24-49-48.6	694.13
68-2	5499736.569	654314.05	199-49-39	146.98	SW 20-55-39.9	146.99
68-3	5499538.13	654230.54	202-49-26	215.30	SW 23-55-24.9	215.31

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
68-3	5499538.13	654230.54				
68-4	5499389.67	654164.27	204-03-14	162.57	SW 25-09-10.8	162.58
68-5	5499302.23	654118.30	207-43-52	98.79	SW 28-49-47.1	98.80
68-6	5499178.39	654053.46	207-38-04	139.79	SW 28-43-57.3	139.80
68-7	5498900.95	653934.73	203-10-07	301.78	SW 24-15-58.3	301.80
68-8	5498714.56	653874.83	197-48-59	195.78	SW 18-54-47.4	195.79
69	5498517.94	653793.38	202-30-06	212.83	SW 23-35-52.7	212.84
69-1	5498477.16	653759.69	219-34-02	52.89	SW 40-39-47.7	52.89
70-1	5438977.53	650287.11				
70-2	5439202.92	650660.35	58-52-21	436.02	NE 59-56-09.1	436.05
71	5439202.98	650799.95	89-58-42	139.60	SE 88-57-23.8	139.61
71-1	5439069.27	650842.63	162-17-45	140.35	SE 16-38-18.4	140.36
71-2	5438426.97	651220.75	149-30-56	745.34	SE 29-25-02.3	745.39
71-3	5436996.07	652059.54	149-37-16	1658.63	SE 29-18-27.4	1658.75
71-4	5436883.29	652137.35	145-23-57	137.02	SE 33-31-35	137.03

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
71-4	5436883.29	652137.35				
71-5	5436710.48	652325.31	132-35-41	255.33	SE 46-19-47.7	255.35
71-6	5436387.56	652545.56	145-42-16	390.87	SE 33-13-07.5	390.90
71-7	5436182.15	652631.19	157-22-12	222.54	SE 21-33-07.6	222.56
72	5435424.73	653187.48	143-42-16	939.76	SE 35-12-56.2	939.83
73	5428869.04	656123.57	155-52-26	7183.16	SE 23-02-03.4	7183.68
73-1	5427866.21	656123.32	180-00-52	1002.82	SW 1-06-57.8	1002.90
73-2	5427652.64	656145.90	173-57-53	214.76	SE 4-56-01.8	214.78
73-3	5427336.45	656146.72	179-51-02	316.19	SW 00-57-07.6	316.21
73-4	5427204.30	656123.15	190-06-50	134.24	SW 11-12-55.8	134.25
74	5423566.44	656122.23	180-00-52	3637.86	SW 1-06-56.1	3638.12
75	5420649.57	656817.81	166-35-14	2998.66	SE 12-18-34.5	2998.88
76	5416037.69	657252.07	174-37-15	4632.28	SE 4-16-21.4	4632.61
76-1	5415706.59	657155.13	196-19-08	345.00	SW 17-25-35.6	345.02
76-2	5415511.22	657097.56	196-25-04	203.68	SW 17-31-28.1	203.70

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
76-2	5415511.22	657097.56				
			206-49-04	283.64	SW 27-55-25.3	283.66
76-3	5415258.08	656969.59				
			214-16-31	394.67	SW 35-22-48.4	394.70
77	5414931.95	656747.32				
			228-57-53	1477.55	SW 50-03-52.6	1477.66
77-1	5413961.90	655632.80				
			208-02-03	1898.15	SW 29-07-36.8	1898.29
77-2	5412286.46	654740.67				
			194-03-47	2370.36	SW 15-09-00.5	2370.53
78	5409987.15	654164.70				
			199-22-15	7226.11	SW 20-26-48.4	7226.64
79	5403170.09	651767.94				
			215-26-02	2589.73	SW 36-29-43.5	2589.93
79-1	5401060.01	650266.51				
			210-33-51	3894.88	SW 31-36-47.7	3895.17
80	5397706.29	648285.95				
			200-02-16	434.01	SW 21-04-44.8	434.04
80-1	5397298.55	648137.24				
			199-50-48	588.66	SW 20-53-12.1	588.70
80-2	5396744.85	647937.39				
			220-38-51	1059.80	SW 41-41-03.5	1059.88
81	5395940.75	647247.03				
			210-18-27	1143.96	SW 31-20-23	1144.05
81-1	5394953.14	646669.74				
			210-26-37	5012.00	SW 31-27-52.2	5012.38
82	5390632.16	644130.20				
			216-49-17	4516.57	SW 37-49-23.2	4516.92
83	5387016.60	641423.33				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
83	5387016.60	641423.33				
			222-12-04	686.77	SW 43-11-29	686.83
83-1	5386507.84	640962.00				
			231-34-33	693.27	SW 52-33-45.3	693.32
83-2	5386076.99	640418.87				
			234-01-20	497.94	SW 55-00-20.8	497.98
84	5385784.47	640015.91				
			241-31-24	1799.09	SW 62-29.58.8	1799.23
84-1	5384926.66	638434.50				
			240-59-43	2616.86	SW 61-57-29.3	2617.07
85	5383657.79	636145.84				
			241-02-00	5768.35	SW 61-58-12.7	5768.81
86	5380864.19	631099.09				
			227-59-52	1185.75	SW 48-54-48.8	1185.84
86-1	5380070.73	630217.94				
			225-39-18	215.48	SW 46-34-01.7	215.50
86-2	5379920.12	630063.84				
			229-11-16	416.28	SW 50-05-53.4	416.31
86-3	5379648.04	629748.78				
			227-39-36	2689.45	SW 48-33-43.6	2689.67
87	5377836.62	627760.84				
			211-41-41	4749.09	SW 32-34-50.9	4749.48
87-1	5373795.81	625265.71				
			211-46-51	1116.38	SW 32-39-20.4	1116.47
88	5372846.81	624677.74				
			214-21-42	726.88	SW 35-13-59.1	726.93
88-1	5372246.78	624267.48				
			209-48-19	186.30	SW 30-40-30	186.32
88-2	5372085.12	624174.88				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
88-2	5372085.12	624174.88	215-46-14	52.86	SW 36-38-22.5	52.86
88-3	5372042.24	624143.99	218-46-09	175.67	SW 39-38-15.7	175.69
88-4	5371905.27	624033.98	214-21-42	957.26	SW 35-13-40.7	957.34
88-5	5371115.06	623493.69	214-09-43	1036.35	SW 35-01-26.8	1036.44
88-6	5370257.53	622911.75	217-06-35	276.55	SW 37-58-09.4	276.58
88-7	5370036.98	622744.89	279-36-29	181.55	NW 79-32-00.6	181.57
89	5370067.28	622565.88	233-46-10	332.32	SW 54-37-34.2	332.35
89-2	5369870.87	622297.82	280-29-54	1401.81	NW 78-39-02.2	1401.93
89-3	5370126.29	620919.47	289-49-33	259.13	NW 69-19-40.9	259.15
89-4	5370214.18	620675.70	267-56-11	193.11	SW 88-46-51.6	193.12
89-5	5370207.22	620482.72	280-29-54	651.16	NW 78-39-38.6	651.21
89-6	5370325.87	619842.46	267-10-21	1111.95	SW 88-00-26.6	1112.04
89-7	5370271.02	618731.87	276-18-54	149.16	NW 82-51-16.9	149.17
89-8	5370287.42	618583.61	268-33-51	107.04	SW 89-23-37.7	107.05
89-9	5370284.74	618476.60				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
89-9	5370284.74	618476.60				
			256-41-37	144.61	SW 77-31-20.3	144.62
89-10	5370251.46	618335.88				
			267-10-21	1165.15	SW 87-59-48	1165.25
90	5370193.98	617172.15				
			244-13-28	7754.90	SW 65-01-11.8	7755.56
91	5366821.79	610188.82				
			244-13-56	6834.08	SW 64-58-52.6	6834.68
92	5363850.84	604034.30				
			236-15-32	6103.74	SW 56-58-06.8	6104.28
93	5360460.58	598958.69				
			236-16-26	6617.80	SW 56-56-45.9	6618.39
94	5356786.22	593454.67				
			236-16-41	2553.24	SW 56-55-24.7	2553.47
94-1	5355368.76	591331.03				
			244-22-59	287.97	SW 65-01-12.4	287.99
94-2	5355244.25	591071.37				
			235-30-21	281.95	SW 56-08-27.9	281.97
94-3	5355084.58	590838.99				
			223-37-17	167.95	SW 44-15-19.0	167.97
94-4	5354963.00	590723.13				
			236-16-41	544.68	SW 56-54-36.5	544.73
94-5	5354660.62	590270.09				
			236-14-58	2626.25	SW 56-52-19.4	2626.48
95	5353201.53	588086.47				
			282-23-00	1652.39	NW 77-00-25.9	1652.54
95-1	5353555.88	586472.52				
			282-57-25	575.19	NW 76-26-28.9	575.24
95-2	5353684.85	585911.98				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
95-2	5353684.85	585911.98				
			283-18-32	4623.87	NW 76-06-24.4	4624.30
96	5354749.28	581412.29				
			291-26-44	541.00	NW 67-59-15.7	541.05
96-1	5354947.07	580908.75				
			280-11-40	426.50	NW 79-14-31.4	426.54
96-2	5355022.56	580488.98				
			276-04-54	349.41	NW 83-21-26.5	349.44
96-3	5355059.58	580141.55				
			269-52-04	1178.69	NW 89-34-35.7	1178.79
96-4	5355056.86	578962.86				
			265-25-52	610.53	SW 85-58-49.3	610.59
96-5	5355008.22	578354.27				
			257-53-08	429.49	SW 78-25-52.6	429.53
96-6	5354918.09	577934.35				
			265-35-11	833.81	SW 86-07-39.5	833.89
96-7	5354853.92	577103.01				
			265-30-17	733.72	SW 86-02-25.8	733.78
97	5354796.41	576371.55				
			265-35-37	1252.70	SW 86-07-21.8	1252.82
97-1	5354700.17	575122.55				
			265-43-44	6160.64	SW 86-13-55.2	6161.21
98	5354241.34	568979.02				
			262-17-04	435.13	SW 82-45-52.9	435.18
98-1	5354182.93	568547.83				
			258-41-45	288.95	SW 79-10-24.7	288.99
98-2	5354126.29	568264.48				
			254-13-20	493.79	SW 74-41-50.2	493.84
98-2-1	5353992.02	567789.30				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azimuth	Distance	Bearing	Distance
98-2-1	5353992.02	567789.30				
98-2-2	5353858.71	567404.16	250-54-26	407.55	SW 71-22-45.3	407.59
98-2-3	5353774.43	567179.97	249-23-47	239.51	SW 69-51-58.6	239.53
98-2-4	5353705.47	567032.15	244-59-27	163.12	SW 65-27-33.9	163.13
98-3	5353368.06	566451.14	239-51-19	671.88	SW 60-19-16	671.94
98-4	5353148.23	566128.13	235-45-44	390.72	SW 56-13-29.8	390.76
98-5	5352892.69	565810.50	231-10-57	407.66	SW 51-38-34.7	407.70
98-6	5352656.99	565545.09	228-23-38	354.96	SW 48-51-08.9	354.99
98-7	5352423.40	565321.10	223-47-51	323.63	SW 44-15-15.1	323.66
98-8	5352052.35	564995.14	221-17-57	493.89	SW 41-45-14.5	493.93
98-9	5351398.20	564425.78	221-02-08	867.23	SW 41-29-14.6	867.31
98-10	5350611.30	563705.06	222-29-10	1067.08	SW 42-56-00.1	1067.18
99	5349954.31	563193.92	217-52-58	832.41	SW 38-19-32.4	832.49
99-1	5349783.45	562267.57	259-32-59	941.97	SW 79-59-15.2	942.06
99-2	5349777.87	562147.26	267-20-44	120.44	SW 87-46-47	120.45
99-3	5349781.42	561982.53	271-14-05	164.77	NW 88-19-56	164.78

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
99-3	5349781.42	561982.53	279-20-24	971.93	NW 80-13-50.6	972.03
99-4	5349939.16	561023.48	279-20-28	1564.26	NW 80-14-18.5	1564.41
99-5	5350193.06	559479.97	188-49-47	3500.96	SW 9-14-34.6	3501.3
100	5346733.59	558942.57	163-00-50	2055.07	SE 16-34-22.7	2055.27
100-1	5344768.17	559542.94	155-35-43	477.62	SE 23-59-19.9	477.66
100-2	5344333.23	559740.28	146-23-11	346.39	SE 33-11-46.8	346.42
100-3	5344044.76	559932.04	150-43-23	957.28	SE 28-51-26.4	957.37
100-4	5343209.76	560400.18	160-54-54	1127.66	SE 18-39-45.7	1127.77
101	5342144.08	560768.89	147-36-51	2640.11	SE 31-57-26.2	2640.36
101-1	5339914.61	562182.98	158-32-56	1305.98	SE 21-00-58.0	1306.10
102	5338699.10	562660.59	166-24-58	824.68	SE 13-08-47.5	824.75
102-1	5337897.49	562854.27	171-57-47	266.92	SE 7-35-56.2	266.95
102-2	5337633.19	562891.59	168-50-05	91.23	SE 10-43-37.3	91.24
102-3	5337543.69	562909.26	160-15-19	276.28	SE 19-18-21.9	276.30
102-4	5337283.66	563002.59				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Eastng	Azmuth	Distance	Bearing	Distance
102-4	5337283.66	563002.59	166-24-58	3713.51	SE 13-08-31.1	3713.87
103	5333674.02	563874.78	126-47-01	680.88	SE 52-46-10.9	680.94
103-1	5333266.31	564420.09	159-56-59	1226.76	SE 19-36-01.2	1226.88
103-2	5332113.90	564840.68	159-11-42	1540.35	SE 20-21-06.3	1540.5
103-3	5330673.98	565387.80	143-41-03	1278.05	SE 35-51-29.6	1278.18
103-4	5329644.18	566144.70	160-38-12	1061.25	SE 18-54-06.2	1061.35
104	5328642.96	566496.57	181-27-53	586.83	SW 1-55-38.3	586.89
104-1	5328056.32	566481.57	165-14-03	3262.29	SE 14-18-01.7	3262.60
104-2	5324901.76	567313.02	164-48-44	265.14	SE 14-43-10.2	265.16
104-3	5324645.89	567382.49	176-02-41	102.67	SE 3-29-12.1	102.68
104-4	5324543.46	567389.57	163-45-33	136.03	SE 15-46-19.7	136.04
104-5	5324412.86	567427.61	157-37-41	139.94	SE 21-54-10.2	139.95
104-6	5324283.45	567480.88	164-48-44	240.69	SE 14-43-06.2	240.71
104-7	5324051.17	567543.93	162-36-43	608.53	SE 16-55-04.1	608.58
105	5323470.45	567725.79				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azimuth	Distance	Bearing	Distance
105	5323470.45	567725.79				
			137-57-42	923.24	SE 41-33-54.9	923.32
105-1	5322784.77	568344.01				
			167-10-33	3165.46	SE 12-20-48	3165.76
105-2	5319698.26	569046.62				
			182-29-22	211.57	SW 2-58-09.7	211.59
105-3	5319486.89	569037.43				
			179-46-49	84.26	SW 00-15-36.6	84.27
105-4	5319402.63	569037.75				
			173-55-09	97.92	SE 5-36-03.9	97.93
105-5	5319305.26	569048.12				
			181-46-28	989.57	SW 02-15-15	989.67
106	5318316.16	569017.48				
			128-08-22	604.70	SE 51-22-45.6	604.76
106-1	5317942.71	569493.08				
			153-53-38	723.00	SE 25-37-20	723.06
106-2	5317293.48	569811.23				
			168-22-56	2139.73	SE 11-07-53.4	2139.93
106-3	5315197.58	570242.13				
			178-46-19	1295.42	SE 00-44-24.5	1295.54
107	5313902.46	570269.90				
			158-33-14	667.41	SE 20-57-26	667.47
107-1	5313281.26	570513.92				
			156-45-20	3041.89	SE 22-45-03.2	3042.17
108	5310486.29	571714.42				
			175-14-57	922.07	SE 4-15-10.6	922.16
108-1	5309567.39	571790.79				
			177-40-11	236.76	SE 1-49-55	236.78
108-2	5309330.83	571800.41				
			171-31-49	154.18	SE 7-58-17.1	154.19
108-3	5309178.33	571823.12				

Point ID No.	Alaska State Plane Coordinates System Zone 4				True Mean	
	Northing	Easting	Azmuth	Distance	Bearing	Distance
108-3	5309178.33	571823.12				
108-4	5308611.44	571858.70	176-24-33	568.01	SE 3-05-32.3	568.06
108-5	5307615.27	571953.03	174-35-26	1000.62	SE 4-54-38	1000.71
108-6	5307266.27	571982.03	175-14-57	350.21	SE 4-15-05.5	350.24
108-7	5306174.05	572079.13	174-55-11	1096.53	SE 4-34-49.9	1096.63
108-8	5305868.12	572101.31	175-51-14	306.73	SE 3-38-46.1	306.76
108-9	5305624.53	572127.98	173-45-02	245.05	SE 5-44-56.9	245.08
109	5305388.29	572148.98	174-55-11	237.17	SE 4-34-47.7	237.19
109-1	5303658.57	572298.79	175-03-00	1736.20	SE 4-26-56.5	1736.36
109-2	5302858.22	572363.95	175-20-45	803.00	SE 4-09-09.2	803.07
110	5299835.88	572596.11	175-36-26	3031.24	SE 3-53-25	3031.53
110-1	5299624.39	572586.98	182-28-25	211.69	SW 2-58-36.3	211.71
110-2	5299556.96	572731.91	114-56-50	159.85	SE 64-32-57.6	159.87
110-3	5299567.08	572971.00	87-34-41	239.30	NE 88-04-58	239.32
110-4	5299494.30	573043.04	135-17-37	102.40	SE 44-12-01.7	102.41