

ORKUSTOFNUN
Landmælingar

Lega og hæð stöðva í línustæði
frá Kröflu austur í Fljótsdal



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Inngangur

Sumarið 1975 var mældur fyrri hluti háspennulínu frá Kröflu að Grímsárvirkjun eða Eyrarteig í Skriðdal.

Mælingarnar voru gerðar á vegum Orkustofnunar undir stjórn Sigurjóns Páls Ísakssonar, en Samúel Ásgeirsson hjá RARIK hafði umsjón með verkinu.

Mælt var frá Kröflu austur á austurbrún Fljótsdalsheiðar, auk breytinga sem gerðar voru í Núpaskoti og á Jökuldalsheiði. Mælingamenn voru Jón Árnason, Steinunn Jakobsdóttir og Hlynur Andrésson, en Jón Baldursson tók við af Hlyn um miðjan júlí. Wild T-16 mælitæki var notað við próffílmælingu á kaflanum frá Kröflu að Jökulsá á Fjöllum (KA001 - KCO02). Við próffílmælingu á öðrum hlutum línunnar var notað Wild RDS mælitæki.

Jarðfræðilegar athuganir voru gerðar á línustæðinu, en greinargerð þessi fjallar aðeins um landmælingar á línustæðinu og niðurstöður þeirra.

Lega línustæðisins

Upphafspunktur línunnar KA001, er sunnan undir Þríhyrningi við Kröflu. Þar er upphafspunktur línu frá Kröflu til Akureyrar og hugsanlegt spennistöðvarstæði.

Þaðan liggur hún yfir Hlíðardalinn og sunnan undir Sandabotnafjalli og Jörundi, og er norðan vegar austur að Vegarsveinum. Síðan bein lína suður yfir Ferjuás við Jökulsá á Fjöllum. Á milli Jökulsár og Víðidals voru mældir 3 möguleikar vegna hugsanlegs lónsstæðis í Núpaskoti, sjá viðauka II.

Úr Víðidal fer línan gegnum Sauðaskarð, síðan suðaustur um Dyngjudal upp á Geitasand og austur af sandinum gegnum skarð í Austari Möðrudalsfjallgarði næst sunnan við Gestreiðarstaðaskarð. Í gegnum þetta skarð og austur að Þrívörðuhálsi á Jökuldalsheiði voru mældir tveir möguleikar.



Hornið KD201 er vestan í Þrívörðuhálsi norðan vegar. Þaðan liggur línan vestan í Stóra-Svalbarði og sunnan við Litla-Svalbarð, og beint austur af Jökuldalsheiði og yfir Jökuldalinn á milli Hákonarstaða og Stuðlafoss.

Á Fljótsdalsheiði krækir línan svolítið í suður með horni á miðri heiði; mælingu var hætt á austurbrún heiðarinnar beint upp af Bessastöðum í Fljótsdal.

Umferðarstefna

Umferðarstefna í línunni er frá Kröflu austur í Fljótsdal. Horn í hornpunktum, línulengdir og afstaða punkta utan línu eru gefin upp í samræmi við þetta. Línan beygir til hægri eða vinstri í hornpunktum og punktar utan línu eru hægra eða vinstra megin línunnar, og er þá miðað við að horft sé í stefnu vaxandi línulengdar.

Láréttur kvarði tækis var stilltur þannig að hann sýndi $0,00^{\text{g}}$ í umferðarstefnu línunnar, (þ.e. $0,00$ nýgráður).

Hornpunktur

Í töflu I er að finna skrá yfir hornpunkta í línunni. Gefið er nafn punkts, stefnubreyting (pósítíf til hægri, negatíf til vinstri), línulengd í punktinum og lausleg staðarlýsing. Hornin eru gefin upp í nýgráðum.

Línulengdir

Lengd línunnar er 2.250 m í upphafspunktinum KA001. Hún vex síðan áfram eftir línunni og er 121.543 m í endanum KE100, á austurbrún Fljótsdalsheiðar.

Lengd línunnar er því 119.293 m. Þar sem mældir voru fleiri kostir en einn var lengsta línuleiðin lögð til grundvallar. Hinir línubútarnir eru því styttri .

LK- lína	780 m	styttri en	CK- lína.
KC- lína	1.433 m	-	- CK- -
KD- lína	852 m	-	- DK- -

Alls voru mældir 143.250 m, að meðtöldum breytingum.



Punktur utan línu

Til mælingar á hliðarhalla voru teknir hliðarpunktar 5 m utan línu. Þeir eru auðkenndir í mælibókum með stöfunum VP eða HP eftir því hvort punkturinn er vinstra eða hægra megin línunnar.

Til að mæla stefnu þverana (raf- og símalína, vega, skurða o.fl.), voru teknir stefnupunktar utan línu.

Þegar tekinn hefur verið venjulegur mælipunktur í skurðpunkti þverunarinnar og stefnupunktur utan línu, fæst stefnan með því að draga strik gegnum þessa tvo punkta.

Til að auðvelda teiknara að setja stefnupunktinn inn á prófíl, er í mælibókum reiknuð línulengd punktsins, og fyrir ofan línulengdina er skráð hornrétt fjarlægð hans frá línu (pósítíf til hægri, negatíf til vinstri).

Stefnumælingin verður því aðeins nákvæm að nokkuð langt sé á milli þessara tveggja punkta.

Hæðir

Mælt var í hæðarpunkta á 4 stöðum og var hæðum jafnað út á milli þeirra. Í báðum endum línunnar eru hins vegar kaflar sem ekki koma til útjöfnunar (KA001-KB010 og KD306-KE100). Í viðauka I er að finna niðurstöður mælinga í hæðarpunkta. Þess ber að geta að á þeim hluta línunnar sem mældur var með Wild T-16 (KA001-KC002), eru hæðir í sumum hælunum 5 sm of lágar. Þessar hæðir eru merktar með stjörnu í töflu II, og þarf að bæta við þær 0,05 m til að þær verði réttar.

Mælistöðvar

Skrá yfir mælistöðvar er að finna í töflu II, sem er úttak úr tölvu, IBM 1620, samkvæmt forriti GTREDU.

Niðurstöður mælinga milli stöðva ásamt línulengdum og hæðum eru gefnar.

Mælibækur

Sjálfar mælingarnar er að finna í 29 mælibókum og hefur línu-



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Blað: 04
Dags: 19-01-76
Gert: SPÍ

lengd og hæð verið reiknuð og skráð þar fyrir hvern mælipunkt.
Bækurnar eru merktar K-lína 1975, og númeraðar 1-29.

Þveranir

Ein raflínubverun var prófílmæld. Er þá mælingu að finna í
viðkomandi mælibók. Þessi þverun er í austanverðum Jökuldal
og er eina raflínubverunin á leiðinni.
Hún hefur verið teiknuð upp sérstaklega.

Athugasemdir; sjá viðauka II aftast.



Tafla I, Hornpunktur

Hæll	Horn (nýgr.)	Línulengd (m)	Staðarlýsing
KA001	(endi)	2.250	S undir Þríhyrningi við Kröflu
KA003	-33,56 ^g	2.489	Í hrauninu svolítið sunnar
KB051	-5,67 ^g	8.436	Á melum sunnan við Jörund
KB121	49,27 ^g	17.527	Norðan vegar við Vegarsveina
CK002	-74,92 ^g	43.497	Við Jökulsá á Fjöllum S Ferjuáss
CK012	-44,35 ^g	45.186	A við Jökulsá og S við Skarðsá
CK024	86,68 ^g	46.904	Austan í Fremri-Grímsstaðanúp
CK062	11,65 ^g	52.227	Á milli Rauðanúps og Sauðaskarðs
CK070	-11,92 ^g	53.405	Vestan við Víðidal, á stalli
KD008	18,61 ^g	55.173	Á milli Sauðaskarðs og Skarðsár
KD060	-9,05 ^g	62.889	Á mel sunnan við Dyngju
KD118	-48,45 ^g	70.689	Austan við Geitasand
DK010	63,30 ^g	72.879	Austan við "Línuskarð"
KD201	34,18 ^g	83.203	V í Þrívörðuhálsi norðan vegar
KD246	-42,14 ^g	89.248	Suðvestan undir Stóra-Svalbarði
KE001	25,04 ^g	103.600	Á vesturbrún Fljótsdalsheiðar
KE048	-52,95 ^g	112.969	V Sandskeiðiskíls á Fljótsdalsh.
KE100	(endi)	121.543	Upp af Bessastöðum í Fljótsdal
<u>LK-lína</u>			
CK012	0,00 ^g	45.186	Um 1 km austan við Jökulsá á Fj.
CK037	42,34 ^g	47.906 48.686	Á milli Fr.-Grímsstaðanúps og Rauðanúps
<u>KC-lína</u>			
KC001	-48,82 ^g	43.301 44.734	Skammt N við CK002, á sandflöt austan vegar
KC065	15,97 ^g	54.309	A vegar í Víðidal við Sauðaskarð
<u>KD-lína</u>			
KD118	0,00 ^g	70.689	Austan við Geitasand
KD127	5,27 ^g	71.876	Í dalverpi í Austari Möðrud.fjallg.
KD201	43,71 ^g	82.351 83.203	Vestan í Þrívörðuhálsi norðan við Þjóðveginn

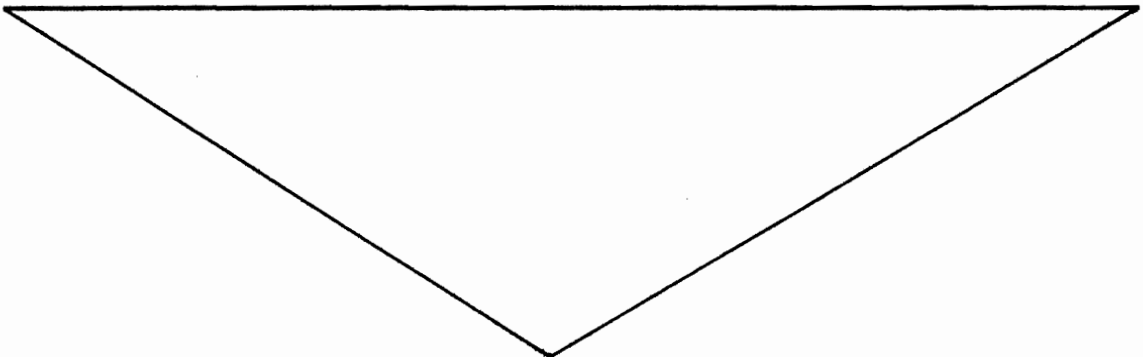


Tafla II. Mælistöðvar

Skrá yfir mælistöðvar er á blaði 7 - 34. Við útreikninga var aðallínunni skipt í 8 línubúta, auk þess sem aukalínur (eða breytingar) eru 3. Í báðum endum eru kaflar sem ekki koma til útgöfnunar, (KA001 - KBO10 og KD306 - KE100). Í öðrum bútum línunnar er hæðum jafnað út, til samræmis við mælingu í hæðarpunkta.

Línubútarnir eru sem hér segir:

<u>Línubútur</u>		<u>Blað</u>
KA001 - KBO10		7
KBO10 - KCO01		8
KCO01 - KC065	CK	16
KC065 - KDO12		18
KDO12 - KD118		19
KD118 - KD201	DK	22
KD201 - KD306		24
KD306 - KE100		27
 Aukalínur:		
CK012 - CK037	LK	30
KCO01 - KC065	KC	31
KD118 - KD201	KD	33



DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
2249.7	462.79				KA001	2249.7	462.79
0.0	0.00						
27.9	1.08	9653.0	.4	1.12	- KA002	2277.6	461.66 x
210.9	-5.12	10141.0	.4	-5.07	- KA003	2466.5	456.59
123.5	-8.36	10402.0	.5	-8.30	- KA004	2612.0	464.90 x
105.1	9.12	9416.0	.5	9.16	- KB001	2717.1	474.07
39.5	3.18	9391.0	.6	3.19	- KB002	2756.6	470.88
40.0	-4.14	10563.0	.6	-4.14	- KB003	2796.6	466.73
133.8	18.24	9110.0	.6	18.22	- KB005	2930.4	448.50
25.4	2.61	9197.0	.6	2.62	- KB006	2955.8	451.12
32.0	-0.63	9996.0	.6	-0.57	- KB007	2987.8	451.70 x
166.4	-3.88	10124.0	.6	-3.84	- KB008	3154.2	447.86
84.9	5.16	9572.0	.5	5.21	- KB009	3239.1	442.65 x
118.1	-7.34	10366.0	.5	-7.29	- KB010	3357.2	435.35

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
3357.2	435.35				KB010	3357.2	435.35
39943.8	-0.46						
46.7	6.40	9047.0	.6	6.44	KB011	3403.9	428.90 x
97.9	-7.04	10414.0	.6	-0.97	KB013	3501.8	421.92
20.9	-2.34	10531.0	.6	-2.34	KB014	3522.7	424.27
143.9	11.03	9487.0	.6	11.02	KB016	3666.6	435.29 x
94.8	-11.30	10712.0	.6	-11.24	KB017	3761.4	446.54 x
114.1	11.02	9351.0	.6	11.07	KB018	3875.5	457.61
129.0	-1.78	10061.0	.5	-1.73	KB019	4004.5	459.34 x
77.0	-0.35	9984.0	.5	-0.30	KB020	4081.5	459.03
85.5	-6.80	10465.0	.5	-6.75	KB021	4167.0	465.79 x
145.5	5.73	9725.0	.5	5.78	KB022	4312.5	471.58
180.0	-0.49	9998.0	.5	-0.44	KB023	4492.5	472.02 x
68.0	-1.52	10091.0	.5	-1.47	KB024	4560.5	470.55
230.3	-1.62	10028.0	.6	-1.61	KB025	4790.8	472.16
77.5	5.35	9513.0	.6	5.34	KB026	4868.3	477.50
89.4	-3.74	10227.0	.5	-3.68	KB028	4957.7	481.18 x
195.7	7.31	9744.0	.5	7.37	KB029	5153.4	488.56
229.5	-11.64	10306.0	.6	-11.63	KB030	5382.9	500.19
139.8	4.38	9773.0	.6	4.38	KB031	5522.7	504.58
229.6	8.93	9736.0	.6	8.92	KB032	5752.3	495.65
187.8	1.57	9927.0	.6	1.55	KB033	5940.1	497.20
44.0	-1.74	10173.0	.5	-1.69	KB034	5984.1	498.90 x
128.9	2.53	9848.0	.5	2.57	KB036	6113.0	501.47
6.0	-0.26	9695.0	.5	-0.21	KB037	6119.0	501.68 x
132.2	-3.38	10136.0	.5	-3.32	KB038	6251.2	498.36
79.0	1.20	9863.0	.5	1.20	KB039	6330.2	497.16
150.0	-1.85	10058.0	.5	-1.86	KB040	6480.2	495.29
131.0	-2.27	10084.0	.5	-2.22	KB041	6611.2	497.52 x
205.3	-0.39	9995.0	.5	-0.33	KB042	6816.5	497.17
205.0	-1.55	10030.0	.6	-1.56	KB043	7021.5	498.74
135.8	0.88	9931.0	.6	0.87	KB044	7157.3	499.61
202.0	-0.72	10007.0	.5	-0.72	KB045	7359.3	500.33
188.5	0.38	9970.0	.5	0.38	KB046	7547.8	500.71
187.5	1.22	9943.0	.4	1.27	KB047	7735.3	499.43 x
171.5	-0.17	9990.0	.4	-0.13	KB048	7906.0	499.30
194.5	1.38	9940.0	.4	1.43	KB049	8101.2	497.87 x
150.4	2.40	9879.0	.4	2.45	KB050	8251.7	500.32
163.8	0.32	9973.0	.4	0.37	KB051	8435.5	499.94 x
190.2	-4.94	10150.0	.4	-4.88	KB052	8625.7	495.06

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
66.7	2.18	9740.0	.5	2.22	- KB053	8692.4	492.83 x
187.7	-8.50	10270.0	.5	-8.46	- KB054	8880.1	484.36
84.9	6.27	9486.0	.6	6.26	- KB056	8965.0	478.09
89.9	-3.40	10199.0	.6	-3.41	- KB057	9054.9	474.68
191.7	6.25	9773.0	.6	6.23	- KB058	9246.6	468.44
41.0	.29	9862.0	.6	.28	- KB059	9287.6	468.73
184.0	-2.27	10063.0	.4	-2.22	- KB060	9471.6	470.95 x
142.0	-9.00	10383.0	.4	-8.95	- KB061	9613.6	461.99
211.3	9.69	9690.0	.6	9.69	- KB062	9824.9	452.29
45.9	-2.30	10235.0	.6	-2.29	- KB063	9870.8	450.00
187.9	3.60	9861.0	.5	3.60	- KB064	10058.7	446.39
82.9	1.91	9815.0	.5	1.90	- KB065	10141.6	448.30
81.5	1.01	9882.0	.5	1.01	- KB066	10223.1	447.29
211.4	-4.73	10128.0	.5	-4.75	- KB067	10434.5	442.53
149.9	-4.46	10164.0	.6	-4.46	- KB068	10584.4	447.00
204.8	-7.62	10218.0	.6	-7.61	- KB069	10789.2	439.38
219.9	-3.75	10094.0	.5	-3.74	- KB070	11009.1	443.12
166.0	1.69	9916.0	.5	1.69	- KB071	11175.1	444.81
113.9	3.01	9807.0	.4	3.05	- KB072	11289.0	441.75 x
155.9	-5.04	10188.0	.4	-5.00	- KB073	11444.9	436.75
225.4	3.88	9875.0	.5	3.92	- KB074	11670.3	432.82 x
145.8	-1.42	10038.0	.5	-1.37	- KB075	11816.1	431.45
38.5	3.70	9299.0	.5	3.75	- KB076	11854.6	427.69 x
72.4	-15.57	11303.0	.5	-15.52	- KB077	11927.0	412.16
161.1	32.76	8702.0	.5	32.80	- KB078	12088.1	379.35 x
54.5	-9.67	11056.0	.5	-9.62	- KB079	12142.6	369.72
31.9	5.21	8855.0	.6	5.20	- KB080	12174.5	364.52
52.3	2.34	9643.0	.6	2.33	- KB081	12226.8	366.86
123.5	-7.87	10380.0	.5	-7.88	- KB082	12350.3	374.74
259.5	1.16	9959.0	.5	1.17	- KB083	12609.8	375.91
40.8	1.94	9612.0	.5	1.98	- KB084	12650.6	373.92 x
46.9	1.74	9689.0	.5	1.79	- KB085	12697.5	375.71
103.0	-0.07	9974.0	.5	-0.07	- KB086	12800.5	375.79
44.0	-0.41	9988.0	.5	-0.41	- KB087	12844.5	375.37
166.5	-1.36	10033.0	.5	-1.36	- KB088	13011.0	376.73
246.0	-0.65	10004.0	.5	-0.65	- KB089	13257.0	376.07
211.0	-0.45	9997.0	.5	-0.40	- KB090	13468.0	376.47 x
72.0	-0.91	10032.0	.5	-0.86	- KB091	13540.0	375.61
70.0	1.00	9859.0	.5	1.05	- KB092	13610.0	374.56 x
76.9	1.77	9808.0	.5	1.81	- KB093	13686.5	376.38

DISTANCE	DIFF/M	ANGLE	S-1	DIFF/C	NAME	LENGTH	ELEVATION
50.0	.15	9910.0	.5	.20	- KB094	13736.9	376.17 x
46.0	.38	9871.0	.5	.43	- KB095	13782.9	376.60
36.7	-3.61	10529.0	.5	-3.55	- KB096	13819.6	380.16 x
133.0	1.41	9906.0	.5	1.46	- KB097	13952.6	381.62
163.9	3.29	9853.0	.5	3.28	- KB098	14116.5	378.33
179.8	1.31	9936.0	.5	1.30	- KB099	14296.3	379.64
139.5	1.55	9904.0	.5	1.60	- KB100	14435.8	378.03 x
118.0	1.18	9907.0	.5	1.22	- KB101	14553.8	379.25
110.0	1.70	9870.0	.5	1.74	- KB102	14663.8	377.51 x
216.0	2.30	9916.0	.5	2.35	- KB103	14879.8	379.85
187.0	-1.43	10030.0	.5	-1.38	- KB104	15066.8	381.23 x
264.8	.28	9980.0	.5	.33	- KB105	15331.6	381.56
304.0	-.50	10000.0	.5	-.50	- KB106	15635.6	382.06
197.1	8.70	9703.0	.5	8.70	- KB107	15832.7	390.76
122.0	.53	9947.0	.5	.51	- KB108	15954.7	390.24
257.0	-2.07	10039.0	.5	-2.07	- KB109	16211.7	388.16
97.0	-.48	9999.0	.5	-.48	- KB110	16308.7	388.65
213.9	-4.25	10112.0	.5	-4.26	- KB111	16522.6	384.38
84.0	.01	9965.0	.4	.06	- KB112	16606.6	384.32 x
160.0	-.03	9983.0	.4	.02	- KB113	16766.6	384.34
38.9	.90	9771.0	.5	.89	- KB114	16805.5	383.44
78.8	1.00	9879.0	.5	.99	- KB115	16884.3	384.44
91.0	4.19	9669.0	.5	4.23	- KB116	16975.3	380.20 x
211.1	-6.08	10167.0	.5	-6.03	- KB117	17186.4	374.16
106.8	-.78	10017.0	.5	-.78	- KB118	17293.2	374.95
121.9	3.48	9792.0	.5	3.48	- KB120	17415.1	378.43
111.9	2.45	9833.0	.5	2.43	- KB121	17527.0	375.99
65.0	.14	9937.0	.5	.14	- KB122	17592.0	376.13
150.0	1.76	9900.0	.6	1.75	- KB123	17742.0	374.38
57.0	-.46	9984.0	.6	-.45	- KB124	17799.0	373.92
117.5	.72	9931.0	.5	.77	- KB125	17916.5	373.14 x
122.3	-.01	9972.0	.5	.03	- KB126	18038.8	373.18
18.3	3.04	8785.0	.5	3.03	-	18057.1	370.15
205.7	2.41	9910.0	.5	2.40	- KB127	18262.8	372.55
199.9	2.87	9891.0	.5	2.92	- KB128	18462.7	369.63 x
71.0	.72	9886.0	.5	.77	- KB129	18533.7	370.40
207.8	-1.70	10037.0	.5	-1.70	- KB130	18741.5	372.10
83.0	.40	9931.0	.5	.39	- KB131	18824.5	372.50
121.0	1.06	9918.0	.5	1.05	- KB132	18945.5	371.44
195.7	-8.77	10269.0	.5	-8.77	- KB133	19141.2	362.66

DISTANCE	DIFF/H	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
46.0	-1.40	10124.0	.5	-1.39	- KB134	19187.2	364.06
177.0	.41	9967.0	.5	.41	KB135	19364.2	364.48
192.3	-1.58	10034.0	.5	-1.52	- KB136	19556.5	366.00
193.0	1.46	9934.0	.5	1.50	KB137	19749.5	367.50
180.3	-0.5	9984.0	.5	-0.4	- KB138	19929.8	367.54
177.9	3.83	9845.0	.5	3.83	KB139	20107.7	371.37
121.8	.30	9958.0	.5	.30	- KB140	20229.5	371.07
143.0	.94	9936.0	.5	.93	KB141	20372.5	372.00
81.8	1.27	9863.0	.5	1.26	- KB142	20454.3	370.74
183.0	-0.4	9984.0	.5	-0.4	KB143	20637.3	370.70
160.3	-2.41	10074.0	.5	-2.36	- KB144	20797.6	373.06
88.7	4.35	9649.0	.5	4.39	KB145	20886.3	377.46
80.5	.22	9942.0	.5	.23	- KB146	20966.8	377.22
67.0	-2.31	10172.0	.5	-2.31	KB147	21033.8	374.91
118.5	.29	9960.0	.4	.34	- KB148	21152.3	374.57
112.0	-0.80	10020.0	.4	-0.75	KB149	21264.3	373.81
90.0	-0.75	10014.0	.5	-0.69	- KB150	21354.3	374.51
206.0	-2.49	10060.0	.5	-2.44	KB151	21560.3	372.07
150.0	-3.15	10115.0	.4	-3.10	- KB152	21710.3	375.17
80.5	-1.32	10069.0	.4	-1.27	KB153	21790.8	373.90
197.7	4.06	9855.0	.4	4.10	- KB154	21988.5	369.79
172.0	-0.77	10012.0	.4	-0.72	KB155	22160.5	369.07
166.0	-0.35	9996.0	.4	-0.29	- KB156	22326.5	369.36
68.4	2.39	9735.0	.4	2.44	KB157	22394.9	371.81
93.0	1.52	9865.0	.4	1.57	- KB158	22487.9	370.24
104.8	3.92	9735.0	.4	3.96	KB159	22592.7	374.20
54.0	-1.07	10062.0	.5	-1.02	- KB160	22646.7	375.23
88.0	-0.10	9967.0	.5	-0.04	KB161	22734.7	375.18
80.0	.28	9938.0	.5	.27	-	22814.7	374.90
93.0	.28	9947.0	.5	.27	KB162	22907.7	375.17
56.0	-1.49	10112.0	.5	-1.48	- KB163	22963.7	376.66
62.0	.37	9911.0	.5	.36	KB164	23025.7	377.02
79.0	-0.83	10023.0	.5	-0.78	- KB165	23104.7	377.81
68.0	-1.37	10077.0	.5	-1.32	KB166	23172.7	376.49
137.9	2.14	9878.0	.5	2.14	- KB167	23310.4	374.34
110.5	.16	9962.0	.5	.15	KB168	23421.1	374.50
105.0	-0.64	10009.0	.5	-0.64	- KB169	23526.1	375.15
70.0	-2.23	10158.0	.5	-2.23	KB170	23596.1	372.91
49.8	3.00	9566.0	.4	3.00	-	23645.9	369.91
194.9	-4.01	10118.0	.4	-4.01	KB171	23840.8	365.89

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
211.0	-1.08	10019.0	.4	-1.02	- KB172	24051.8	366.92 x
142.0	.13	9974.0	.4	.17	KB173	24193.8	367.10
218.9	-4.70	10122.0	.5	-4.69	- KB174	24412.7	371.79
46.7	3.21	9495.0	.5	3.21	KB175	24459.4	375.00
180.0	-2.37	10068.0	.4	-2.32	- KB176	24639.4	377.32 x
131.0	.77	9941.0	.4	.81	KB177	24770.4	378.14
130.5	-.51	10003.0	.4	-.46	- KB178	24900.9	378.60 x
140.0	-1.27	10038.0	.4	-1.23	- KB179	25040.9	377.36
136.0	.15	9967.0	.5	.20	- KB180	25176.9	377.15
208.0	.17	9978.0	.5	.21	KB181	25384.9	377.37
93.0	-1.46	10067.0	.5	-1.47	- KB182	25477.9	378.85
130.0	.24	9964.0	.5	.23	KB183	25607.9	379.08
189.0	-.86	10012.0	.5	-.85	- KB184	25796.9	379.93
154.0	-.26	9990.0	.5	-.25	- KB185	25950.9	379.67
154.0	-.74	10010.0	.5	-.74	- KB186	26104.9	380.41
147.4	2.49	9871.0	.5	2.48	KB187	26252.3	382.90
131.0	-.02	9972.0	.6	-.02	- KB188	26383.3	382.92
108.0	-.16	9974.0	.6	-.15	- KB189	26491.3	382.76
92.0	-1.06	10035.0	.5	-1.00	- KB190	26583.3	383.77 x
138.0	.19	9966.0	.5	.23	KB191	26721.3	384.00
179.0	-.97	10017.0	.5	-.97	- KB192	26900.3	384.98
168.0	-.97	10018.0	.5	-.97	- KB193	27068.3	384.00
169.0	-2.70	10083.0	.5	-2.70	- KB194	27237.3	386.70
143.0	-1.28	10025.0	.5	-1.28	- KB195	27380.3	385.41
185.0	-.98	10001.0	.9	-.92	- KB196	27565.3	386.34 x
169.9	4.09	9830.0	.4	4.13	KB197	27735.2	390.48
191.9	2.76	9892.0	.5	2.75	- KB198	27927.1	387.72
176.0	.93	9912.0	1.5	.93	KB199	28103.1	388.65
110.0	-1.37	10056.0	.4	-1.36	- KB200	28213.1	390.02
117.0	1.16	9915.0	.4	1.16	KB201	28330.1	391.18
80.0	-1.62	10097.0	.4	-1.61	- KB202	28410.1	392.80
128.0	-.30	9995.0	.4	-.29	- KB203	28538.1	392.49
176.0	.25	9973.0	.5	.24	- KB204	28714.1	392.25
71.9	1.45	9828.0	.5	1.44	KB205	28786.0	393.69
104.9	-3.29	10172.0	.4	-3.23	- KB206	28890.9	396.92 x
156.0	-.46	10001.0	.4	-.42	- KB207	29046.9	396.50
84.0	-.23	9949.0	.9	-.22	- KB208	29130.9	396.72
120.0	-1.90	10080.0	.4	-1.90	- KB209	29250.9	394.81
141.0	-2.45	10090.0	.4	-2.39	- KB210	29391.9	397.20 x
129.0	-.57	10006.0	.4	-.52	- KB211	29520.9	396.68

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
120.0	1.23	9911.0	.4	1.27	- KB212	29640.9	395.40 x
155.0	.43	9964.0	.4	.47	- KB213	29795.9	395.88
73.0	-1.57	10102.0	.4	-1.56	- KB214	29868.9	397.45
146.0	-1.52	10049.0	.4	-1.52	- KB215	30014.9	395.92
116.0	-1.79	10016.0	.5	-1.79	- KB216	30130.9	396.71
109.0	.82	9923.0	.5	.81	- KB217	30239.9	397.53
158.0	-4.58	10126.0	1.4	-4.52	- KB218	30397.9	402.05 x
165.0	1.86	9911.0	.4	1.90	- KB219	30562.9	403.96
239.9	-3.66	10093.0	.1	-3.60	- KB220	30802.8	407.56 x
89.0	-1.49	10024.0	.1	-1.43	- KB221	30891.8	407.12
80.0	-1.77	10022.0	.5	-1.77	- KB222	30971.8	407.90
131.0	.45	9954.0	.5	.44	- KB223	31102.8	408.34
86.0	-1.05	9970.0	.4	0.00	- KB224	31188.8	408.34 x
240.9	-3.63	10084.0	.4	-3.57	- KB225	31429.7	404.76
117.0	.02	9969.0	.5	.06	- KB226	31546.7	404.69 x
138.9	3.12	9832.0	.5	3.16	- KB227	31685.6	407.85
139.9	2.69	9857.0	.4	2.74	- KB228	31825.5	405.11 x
57.0	.90	9849.0	.4	.95	- KB229	31882.5	406.06
103.0	1.51	9882.0	.4	1.50	- KB230	31985.5	404.55
121.0	-1.41	10053.0	.4	-1.40	- KB231	32106.5	403.14
53.0	-1.02	9955.0	.4	-1.02	- KB232	32159.5	403.16
121.0	-1.82	10075.0	.4	-1.82	- KB233	32280.5	401.34
65.0	-1.92	10046.0	.4	-1.86	- KB234	32345.5	402.20 x
62.0	.56	9896.0	.4	.61	- KB235	32407.5	402.82
63.8	2.78	9668.0	.5	2.83	- KB236	32471.3	399.99 x
221.4	-11.68	10320.0	.5	-11.63	- KB237	32692.7	388.35
153.4	3.72	9821.0	.6	3.71	- KB238	32846.1	384.63
129.4	3.38	9804.0	.6	3.38	- KB239	32975.5	388.01
211.9	-6.03	10168.0	.4	-5.99	- KB240	33187.4	394.00 x
102.0	1.07	9905.0	.4	1.12	- KB241	33289.4	395.12
179.0	-1.39	9996.0	.5	-1.38	- KB242	33468.4	395.51
32.8	1.86	9542.0	.5	1.86	- KB243	33501.2	397.37
50.0	.25	9910.0	.4	.30	- KB245	33551.2	397.07 x
40.9	1.40	9712.0	.4	1.45	- KB244	33592.1	398.52
185.0	-3.12	10092.0	.4	-3.07	- KB246	33777.1	401.59 x
46.9	2.02	9665.0	.4	2.07	- KB247	33824.0	403.66
58.0	-1.68	10135.0	.4	-1.63	- KB248	33882.0	405.29 x
67.8	2.83	9692.0	.4	2.88	- KB249	33949.8	408.17
25.0	-1.61	10015.0	.5	-1.55	- KB250	33974.8	408.73 x
49.7	3.39	9496.0	.5	3.44	- KB251	34024.5	412.17

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
203.0	-3.15	10083.0	.5	-3.14	- KB252	34227.5	415.32
95.0	-.56	10004.0	.5	-.55	KB253	34322.5	414.75
48.9	1.23	9774.0	.5	1.23	- KB254	34371.4	413.52
89.0	-2.53	10145.0	.5	-2.52	KB255	34460.4	410.99
75.0	-2.00	10132.0	.4	-1.95	- KB256	34535.4	412.94
83.0	-2.46	10155.0	.4	-2.42	KB257	34618.4	410.52
112.5	1.61	9883.0	.4	1.66	- KB258	34730.9	408.85
159.9	2.75	9873.0	.4	2.79	KB259	34890.8	411.64
51.0	-.30	9974.0	.5	-.29	- KB260	34941.8	411.93
83.0	-.22	9978.0	.5	-.21	KB261	35024.8	411.72
64.0	-.18	9979.0	.4	-.18	- KB262	35088.8	411.91
78.0	-1.84	10118.0	.4	-1.84	KB263	35166.8	410.06
54.9	1.11	9808.0	.5	1.15	- KB265	35221.7	408.90
15.0	.32	9633.0	.5	.36	KB266	35236.7	409.27
61.0	.75	9869.0	.5	.75	- KB267	35297.7	408.51
57.9	1.80	9748.0	.5	1.79	KB269	35355.6	410.30
66.9	1.88	9764.0	.6	1.88	- KB270	35422.5	408.42
131.9	2.21	9864.0	.6	2.21	KB271	35554.4	410.64
123.0	.38	9952.0	.5	.42	- KB272	35677.4	410.21
180.0	1.70	9920.0	.5	1.76	KB273	35857.4	411.97
131.0	.37	9960.0	.4	.42	- KB274	35988.4	411.55
130.9	-3.04	10126.0	.4	-2.99	KB275	36119.3	408.55
77.7	3.91	9639.0	.5	3.91	- KB276	36197.0	404.64
221.9	-4.58	10117.0	.5	-4.57	KB277	36418.9	400.06
75.0	-.66	10018.0	.4	-.61	- KB278	36493.9	400.67
126.0	1.51	9901.0	.4	1.55	KB279	36619.9	402.23
155.8	-6.23	10234.0	.5	-6.22	- KB280	36775.7	408.46
31.8	2.20	9459.0	.5	2.20	KB281	36807.5	410.67
54.0	-.26	9966.0	.5	-.21	- KB282	36861.5	410.88
166.0	.16	9973.0	.5	.20	KB283	37027.5	411.08
156.0	-.65	10006.0	.5	-.64	- KB284	37183.5	411.72
154.0	.51	9958.0	.5	.51	KB285	37337.5	412.24
125.5	.32	9961.0	.4	.36	- KB286	37463.0	411.87
67.0	-.15	9971.0	.4	-.09	KB287	37530.0	411.77
237.0	-.24	9992.0	.5	-.20	- KB288	37767.0	411.97
195.9	-3.78	10105.0	.5	-3.73	KB289	37962.9	408.24
117.0	1.40	9899.0	.4	1.45	- KB290	38079.9	406.78
153.8	4.75	9785.0	.4	4.79	KB291	38233.7	411.57
44.0	-.72	10039.0	.4	-.66	- KB292	38277.7	412.24
36.0	.57	9820.0	.4	.61	KB293	38313.7	412.86

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
144.8	4.31	9795.0	.3	4.36	- KB294	38458.5	408.50 x
57.0	-.24	9989.0	.3	-.20	- KB295	38515.5	408.29
140.0	-1.64	10052.0	.5	-1.64	- KB296	38655.5	409.93
185.0	-2.26	10061.0	.5	-2.27	- KB297	38840.5	407.66
171.9	-4.60	10152.0	.5	-4.60	- KB298	39012.4	412.26
107.0	.04	9968.0	.5	.03	- KB299	39119.4	412.30
164.0	-2.34	10072.0	.5	-2.35	- KB300	39283.4	414.65
73.9	1.98	9786.0	.5	1.98	- KB301	39357.3	416.64
105.0	.44	9940.0	.5	.48	- KB302	39462.3	416.15 x
113.0	.07	9965.0	.5	.12	- KB303	39575.3	416.27
96.9	1.88	9847.0	.4	1.92	- KB304	39672.2	414.34 x
147.9	3.38	9835.0	.4	3.43	- KB305	39820.1	417.77
149.0	.31	9965.0	.5	.31	- KB306	39969.1	417.45
64.5	.49	9902.0	.5	.49	- KB307	40033.6	417.94
140.0	.50	9957.0	.4	.54	- KB308	40173.6	417.39 x
204.5	.77	9962.0	.4	.82	- KB309	40378.1	418.21
193.0	-1.42	10032.0	.4	-1.37	- KB310	40571.1	419.58 x
217.0	.33	9977.0	.4	.38	- KB311	40788.1	419.96
183.8	-6.56	10208.0	.5	-6.50	- KB312	40971.9	426.47 x
195.3	22.21	9262.0	.5	22.24	- KB313	41167.2	448.71
108.4	-13.68	10770.0	.5	-13.67	- KB315	41275.6	462.38
46.9	4.98	9259.0	.5	4.98	- KB316	41322.5	467.36
149.5	-9.39	10378.0	.5	-9.38	- KB317	41472.0	476.75
125.0	.70	9939.0	.5	.69	- KB318	41597.0	477.44
162.8	5.10	9783.0	.4	5.15	- KB319	41759.8	472.29 x
167.8	-5.84	10205.0	.4	-5.80	- KB320	41927.6	466.48
190.9	13.62	9528.0	.5	13.67	- KB321	42118.5	452.80 x
158.8	-5.86	10213.0	.5	-5.81	- KB322	42277.3	446.99
173.0	.53	9964.0	.4	.57	- KB323	42450.3	446.40 x
120.0	-2.41	10104.0	.4	-2.36	- KB324	42570.3	444.04
88.2	7.65	9417.0	.4	7.69	- KB325	42658.5	436.34 x
198.7	-8.04	10243.0	.4	-7.98	- KB326	42857.2	428.35
157.8	5.43	9761.0	.5	5.42	- KB327	43015.0	422.92
196.0	-3.59	10101.0	.5	-3.60	- KB328	43211.0	419.31
90.0	1.04	9891.0	.5	1.04	- KC001	43301.0	418.27

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
43301.0	418.27				KC001	43301.0	418.27
11007.5	-.66						
196.0	-.90	10027.0	0.0	-.83	-	43497.0	419.08
148.0	.70	9969.0	0.0	.72	CK002	43645.0	419.80
158.0	3.50	9859.0	0.0	3.49	CK003	43803.0	416.29
307.0	2.80	9942.0	0.0	2.79	-	44110.0	419.07
59.0	-2.65	10286.0	0.0	-2.65	CK005	44169.0	421.71
224.0	-2.50	10072.0	0.0	-2.53	CK006	44393.0	419.17
184.5	2.70	9907.0	0.0	2.69	CK007	44577.5	416.46
142.0	2.90	9868.0	0.0	2.94	CK008	44719.5	419.40
231.0	8.90	9754.0	0.0	8.93	CK009	44950.5	410.45
148.0	2.20	9904.0	0.0	2.23	CK010	45098.5	412.68
87.0	-3.50	10258.0	0.0	-3.52	CK011	45185.5	416.20
171.0	-5.90	10218.0	0.0	-5.85	CK012	45356.5	410.33
96.5	3.00	9804.0	0.0	2.97	CK013	45453.0	407.35
183.0	2.80	9903.0	0.0	2.78	CK014	45636.0	410.13
262.0	3.90	9906.0	0.0	3.86	CK015	45898.0	406.25
187.5	49.00	8373.0	0.0	48.99	CK016	46085.5	455.22
87.0	-32.00	12237.0	0.0	-31.89	CK017	46172.5	487.11
51.0	8.90	8910.0	0.0	8.81	CK018	46223.5	495.93
211.0	-.50	10016.0	0.0	-.53	CK019	46434.5	496.45
155.0	-12.30	10503.0	0.0	-12.27	CK020	46589.5	484.17
97.5	2.50	9838.0	0.0	2.48	CK021	46687.0	481.68
67.5	-5.80	10548.0	0.0	-5.82	CK022	46754.5	475.85
149.0	16.50	9298.0	0.0	16.49	CK023	46903.5	459.34
171.5	-20.70	10765.0	0.0	-20.70	CK024	47075.0	438.62
145.0	-12.80	10563.0	0.0	-12.85	CK025	47220.0	451.47
100.0	2.80	9820.0	0.0	2.82	CK026	47320.0	454.29
79.0	5.30	9573.0	0.0	5.30	CK027	47399.0	448.98
192.0	26.80	9117.0	0.0	26.80	CK028	47591.0	475.77
134.5	-11.40	10537.0	0.0	-11.37	CK029	47725.5	487.14
189.0	13.00	9563.0	0.0	12.99	CK030	47914.5	500.12
120.0	-6.45	10343.0	0.0	-6.47	CK031	48034.5	506.59
118.5	3.30	9825.0	0.0	3.25	CK032	48153.0	509.84
57.0	6.60	9264.0	0.0	6.61	CK033	48210.0	503.21
189.0	-13.75	10463.0	0.0	-13.76	CK034	48399.0	489.43
122.0	-6.00	10315.0	0.0	-6.04	CK035	48521.0	495.47
165.0	14.80	9432.0	0.0	14.76	CK036	48686.0	510.22
112.0	-1.45	10081.0	0.0	-1.42	CK037	48798.0	511.64
175.0	-4.15	10152.0	0.0	-4.17	CK038	48973.0	507.45
					CK039		

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
189.0	3.20	9893.0	0.0	3.17	- CK040	49162.0	504.26
114.0	-3.25	10183.0	0.0	-3.27	- CK041	49276.0	500.97
251.0	21.25	9462.0	0.0	21.26	- CK042	49527.0	479.70
202.0	12.10	9621.0	0.0	12.03	- CK043	49729.0	491.72
67.5	-5.60	10526.0	0.0	-5.58	- CK044	49796.5	497.31
79.0	1.00	9919.0	0.0	1.00	- CK045	49875.5	498.31
174.5	9.45	9655.0	0.0	9.46	- CK046	50050.0	488.83
193.0	-9.25	10306.0	0.0	-9.28	- CK047	50243.0	479.54
128.0	-9.80	10487.0	0.0	-9.81	- CK048	50371.0	489.34
76.0	-1.80	10149.0	0.0	-1.77	- CK049	50447.0	487.56
190.0	1.50	9949.0	0.0	1.52	- CK050	50637.0	486.02
194.0	-2.30	10074.0	0.0	-2.25	- CK051	50831.0	483.76
108.0	5.00	9705.0	0.0	5.00	- CK052	50939.0	478.74
165.0	-29.00	11101.0	0.0	-28.82	- CK053	51104.0	449.91
109.5	9.00	9479.0	0.0	8.98	- CK054	51213.5	440.92
152.0	-1.45	10062.0	0.0	-1.48	- CK055	51365.5	439.43
177.5	-3.10	10111.0	0.0	-3.09	- CK056	51543.0	442.52
133.5	38.75	8197.0	0.0	38.85	- CK057	51676.5	481.36
85.0	-16.75	11227.0	0.0	-16.58	- CK058	51761.5	497.95
128.0	11.25	9446.0	0.0	11.16	- CK059	51889.5	509.11
115.5	-3.30	10183.0	0.0	-3.32	- CK060	52005.0	512.42
222.0	9.60	9724.0	0.0	9.63	- CK062	52227.0	522.04
284.0	.70	9985.0	0.0	.66	- CK064	52511.0	521.35
230.0	-7.30	10203.0	0.0	-7.33	- CK065	52741.0	514.00
181.5	-9.40	10329.0	0.0	-9.38	- CK066	52922.5	523.38
75.5	-1.10	10091.0	0.0	-1.07	- CK067	52998.0	522.29
216.0	21.35	9370.0	0.0	21.44	- CK068	53214.0	500.84
48.0	-7.45	10976.0	0.0	-7.41	- CK069	53262.0	493.42
143.0	31.50	8618.0	0.0	31.54	- CK070	53405.0	461.87
175.0	-.05	10001.0	0.0	-.02	- CK071	53580.0	461.83
125.0	1.35	9932.0	0.0	1.33	- CK072	53705.0	460.49
43.5	-3.65	10535.0	0.0	-3.66	- CK073	53748.5	456.82
169.0	19.20	9281.0	0.0	19.16	- CK074	53917.5	437.64
167.5	6.20	9764.0	0.0	6.21	- CK075	54085.0	443.84
163.0	-12.90	10503.0	0.0	-12.90	- CK076	54248.0	456.74
60.5	13.00	8661.0	0.0	12.91	- KC065	54308.5	469.65

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
54308.5	469.65				KC065	54308.5	469.65
1311.0	-0.15						
64.0	6.10	9393.0	0.0	6.12	KD001	54372.5	475.76
60.0	-3.50	10372.0	0.0	-3.51	- KD002	54432.5	479.26
208.5	-24.60	10747.0	0.0	-24.57	- KD003	54641.0	503.82
55.0	15.50	8235.0	0.0	15.65	KD004	54696.0	519.46
122.0	-14.60	10755.0	0.0	-14.53	- KD005	54818.0	533.98
53.0	-1.00	10117.0	0.0	-0.97	KD006	54871.0	533.00
69.5	14.25	8703.0	0.0	14.35	- KD007	54940.5	518.64
232.0	-29.20	10804.0	0.0	-29.45	* KD008	55172.5	489.15
66.0	.75	9930.0	0.0	.72	- KD009	55238.5	488.42
89.0	-7.80	10558.0	0.0	-7.82	KD010	55327.5	480.59
34.0	5.80	8923.0	0.0	5.80	- KD011	55361.5	474.78
258.0	-33.80	10825.0	0.0	-33.62	KD012	55619.5	441.13

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
55619.5	441.13				KD012	55619.5	441.13
15069.5	.20						
195.0	-14.60	10475.0	0.0	-14.57	-	55814.5	455.70
61.0	6.40	9346.0	0.0	6.28	KD013	55875.5	461.99
70.0	-1.30	10120.0	0.0	-1.31	KD014	55945.5	463.31
157.0	14.00	9436.0	0.0	13.94	-	56102.5	477.26
84.5	-5.90	10446.0	0.0	-5.92	KD016	56187.0	483.19
89.0	-1.80	10133.0	0.0	-1.85	-	56276.0	481.33
155.0	7.00	9714.0	0.0	6.96	KD017	56431.0	474.37
172.5	-13.15	10484.0	0.0	-13.13	-	56603.5	461.23
151.0	1.50	9938.0	0.0	1.47	KD020	56754.5	459.76
259.0	5.50	9865.0	0.0	5.49	-	57013.5	465.26
189.0	4.20	9861.0	0.0	4.12	KD022	57202.5	461.13
223.0	3.10	9912.0	0.0	3.08	-	57425.5	464.22
238.5	-4.65	10125.0	0.0	-4.68	KD024	57664.0	468.91
180.5	18.00	9363.0	0.0	18.12	-	57844.5	487.03
55.0	1.00	9889.0	0.0	.95	KD026	57899.5	486.07
46.0	-5.00	10692.0	0.0	-5.01	-	57945.5	481.05
143.0	13.00	9419.0	0.0	13.08	KD028	58088.5	467.97
235.0	-2.40	10067.0	0.0	-2.47	-	58323.5	465.50
250.0	.50	9989.0	0.0	.43	KD030	58573.5	465.07
203.0	2.20	9933.0	0.0	2.13	-	58776.5	467.21
116.0	-.20	10010.0	0.0	-.18	KD032	58892.5	467.39
227.0	2.40	9933.0	0.0	2.38	-	59119.5	469.78
83.0	1.10	9917.0	0.0	1.08	KD034	59202.5	468.70
116.0	-3.10	10170.0	0.0	-3.09	-	59318.5	465.61
203.0	1.45	9955.0	0.0	1.43	KD035	59521.5	464.17
106.5	3.85	9769.0	0.0	3.86	-	59628.0	468.04
182.0	-1.20	10041.0	0.0	-1.17	KD037	59810.0	469.21
35.0	.75	9864.0	0.0	.74	-	59845.0	469.96
155.0	-.90	10036.0	0.0	-.87	KD040	60000.0	470.84
253.0	5.50	9862.0	0.0	5.48	-	60253.0	476.33
165.0	-1.30	10052.0	0.0	-1.34	KD042	60418.0	477.68
160.0	4.55	9820.0	0.0	4.52	-	60578.0	482.21
155.0	-8.10	10331.0	0.0	-8.06	KD043	60733.0	490.28
98.0	4.35	9719.0	0.0	4.32	-	60831.0	494.61
249.0	0.00	10000.0	0.0	0.00	KD044	61080.0	494.61
150.0	.90	9963.0	0.0	.87	-	61230.0	495.48
221.0	-1.80	10049.0	0.0	-1.70	KD045	61451.0	497.19
157.5	1.30	9949.0	0.0	1.26	-	61608.5	498.45

DISTANCE	DIFF/M	ANGLE	S-I	D IFF/C	NAME	LENGTH	ELEVATION
153.5	-11.00	10454.0	0.0	-10.96	- KD051	61762.0	509.42
74.5	5.00	9576.0	0.0	4.96	KD052	61836.5	514.39
216.0	-13.55	10400.0	0.0	-13.58	- KD053	62052.5	527.98
37.0	.35	9939.0	0.0	.35	KD054	62089.5	528.34
172.5	-4.90	10180.0	0.0	-4.87	- KD055	62262.0	533.22
73.0	-.50	10043.0	0.0	-.49	KD056	62335.0	532.72
244.0	-1.20	10030.0	0.0	-1.14	- KD057	62579.0	533.88
36.0	-.70	10125.0	0.0	-.70	KD058	62615.0	533.17
208.0	-3.30	10103.0	0.0	-3.36	- KD059	62823.0	536.54
66.0	5.20	9499.0	0.0	5.20	KD060	62889.0	541.74
142.5	3.15	9859.0	0.0	3.15	- KD061	63031.5	538.59
77.5	1.35	9890.0	0.0	1.33	KD062	63109.0	539.93
43.0	2.90	9570.0	0.0	2.90	- KD063	63152.0	537.02
94.5	-13.60	10913.0	0.0	-13.64	KD064	63246.5	523.38
156.0	0.00	10001.0	0.0	-.02	- KD065	63402.5	523.40
28.0	1.50	9654.0	0.0	1.52	KD066	63430.5	524.93
117.5	4.55	9754.0	0.0	4.54	- KD067	63548.0	520.39
62.0	-4.75	10489.0	0.0	-4.77	KD068	63610.0	515.62
120.0	1.05	9944.0	0.0	1.05	- KD069	63730.0	514.56
181.0	11.35	9600.0	0.0	11.38	KD070	63911.0	525.95
72.0	-5.80	10513.0	0.0	-5.81	- KD071	63983.0	531.77
115.0	9.70	9464.0	0.0	9.70	KD072	64098.0	541.47
183.0	-14.00	10483.0	0.0	-13.91	- KD073	64281.0	555.39
27.0	2.60	9385.0	0.0	2.61	KD074	64308.0	558.00
86.0	-2.00	10147.0	0.0	-1.98	- KD075	64394.0	559.99
30.0	.50	9898.0	0.0	.48	KD076	64424.0	560.47
157.5	-.40	10015.0	0.0	-.37	- KD077	64581.5	560.84
72.0	14.15	8771.0	0.0	14.07	KD078	64653.5	574.92
106.0	-19.25	11143.0	0.0	-19.23	- KD079	64759.5	594.16
62.0	3.82	9607.0	0.0	3.83	KD080	64821.5	597.99
217.5	-3.90	10114.0	0.0	-3.89	- KD081	65039.0	601.89
128.0	6.30	9686.0	0.0	6.31	KD082	65167.0	608.21
182.0	-3.50	10124.0	0.0	-3.54	- KD083	65349.0	611.76
59.5	-2.60	10277.0	0.0	-2.59	KD084	65408.5	609.17
71.5	-.50	10045.0	0.0	-.50	- KD085	65480.0	609.68
126.0	3.00	9847.0	0.0	3.02	KD086	65606.0	612.71
157.0	2.20	9913.0	0.0	2.14	- KD087	65763.0	610.56
101.5	1.80	9887.0	0.0	1.80	KD088	65864.5	612.37
170.5	-1.00	10037.0	0.0	-.99	- KD089	66035.0	613.36
207.0	-1.25	10036.0	0.0	-1.17	KD090	66242.0	612.19

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
98.0	7.30	9526.0	0.0	7.31	- KD091	66340.0	604.88
139.5	-4.95	10226.0	0.0	-4.95	- KD092	66479.5	599.93
137.5	5.70	9736.0	0.0	5.70	- KD093	66617.0	594.23
263.0	-6.10	10144.0	0.0	-5.94	- KD094	66880.0	588.28
232.5	.80	9979.0	0.0	.76	- KD095	67112.5	587.52
182.5	4.25	9852.0	0.0	4.24	- KD096	67295.0	591.76
144.5	-.05	10001.0	0.0	-.02	- KD097	67439.5	591.79
144.5	15.30	9330.0	0.0	15.26	- KD098	67584.0	607.05
163.5	-2.75	10106.0	0.0	-2.72	- KD099	67747.5	609.78
96.0	6.45	9572.0	0.0	6.46	- KD100	67843.5	616.24
160.0	-4.35	10175.0	0.0	-4.39	- KD101	68003.5	620.64
174.0	-5.75	10209.0	0.0	-5.71	- KD102	68177.5	614.93
208.0	3.00	9908.0	0.0	3.00	- KD103	68385.5	611.93
203.0	-1.00	10032.0	0.0	-1.02	- KD104	68588.5	610.91
145.5	-2.70	10118.0	0.0	-2.69	- KD105	68734.0	613.61
260.0	16.40	9599.0	0.0	16.39	- KD106	68994.0	630.01
154.5	-18.00	10735.0	0.0	-17.91	- KD107	69148.5	647.93
102.0	10.50	9345.0	0.0	10.53	- KD108	69250.5	658.47
63.0	-.60	10059.0	0.0	-.58	- KD109	69313.5	659.05
87.0	-7.45	10544.0	0.0	-7.45	- KD110	69400.5	651.60
243.0	-5.10	10133.0	0.0	-5.07	- KD111	69643.5	656.68
122.5	6.85	9645.0	0.0	6.83	- KD112	69766.0	663.52
197.5	-3.50	10115.0	0.0	-3.56	- KD113	69963.5	667.09
160.0	1.40	9944.0	0.0	1.40	- KD114	70123.5	668.50
45.5	2.10	9703.0	0.0	2.12	- KD115	70169.0	666.38
225.0	-2.20	10060.0	0.0	-2.12	- KD116	70394.0	664.26
47.0	4.50	9393.0	0.0	4.49	- KD117	70441.0	659.76
248.0	-7.20	10187.0	0.0	-7.28	- KD118	70689.0	652.48

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
70689.0	652.48				KD118	70689.0	652.48
12514.0	-1.37						
189.0	-1.15	10039.0	0.0	-1.15	- DK001	70878.0	653.61
244.5	15.50	9597.0	0.0	15.49	DK002	71122.5	669.08
207.0	13.30	9591.0	0.0	13.31	- DK003	71329.5	655.74
254.0	-8.40	10211.0	0.0	-8.42	DK004	71583.5	647.29
255.0	1.10	9974.0	0.0	1.04	- DK005	71838.5	646.23
287.5	-21.40	10474.0	0.0	-21.44	DK006	72126.0	624.75
284.0	-10.75	10239.0	0.0	-10.66	- DK007	72410.0	635.38
61.0	-0.30	10029.0	0.0	-0.27	DK008	72471.0	635.10
130.0	9.50	9536.0	0.0	9.49	- DK009	72601.0	625.59
278.0	-28.80	10657.0	0.0	-28.79	DK010	72879.0	596.77
119.0	2.50	9867.0	0.0	2.48	- DK011	72998.0	594.27
186.0	-3.30	10113.0	0.0	-3.30	DK012	73184.0	590.95
204.0	23.60	9264.0	0.0	23.69	- DK013	73388.0	567.24
173.0	-6.20	10229.0	0.0	-6.22	DK014	73561.0	560.99
232.0	12.25	9665.0	0.0	12.21	- DK015	73793.0	548.75
134.0	-2.80	10134.0	0.0	-2.82	DK016	73927.0	545.91
163.0	6.80	9735.0	0.0	6.78	- DK017	74090.0	539.10
170.0	-2.00	10074.0	0.0	-1.97	DK018	74260.0	537.11
254.0	-5.90	10145.0	0.0	-5.78	- DK019	74514.0	542.87
163.5	4.20	9837.0	0.0	4.18	DK020	74677.5	547.04
146.5	-1.10	10048.0	0.0	-1.10	- DK021	74824.0	548.13
123.0	1.40	9928.0	0.0	1.39	DK022	74947.0	549.50
112.0	-1.80	10104.0	0.0	-1.82	- DK023	75059.0	551.32
152.0	.95	9961.0	0.0	.93	DK024	75211.0	552.24
163.0	-3.25	10129.0	0.0	-3.30	- DK025	75374.0	555.52
208.0	3.55	9890.0	0.0	3.59	DK026	75582.0	559.09
159.0	-6.00	10241.0	0.0	-6.02	- DK027	75741.0	565.10
96.0	4.25	9717.0	0.0	4.27	DK028	75837.0	569.36
98.5	-0.60	10038.0	0.0	-0.58	- DK029	75935.5	569.93
139.0	-4.95	10228.0	0.0	-4.98	DK030	76074.5	564.94
103.0	13.60	9160.0	0.0	13.66	- DK031	76177.5	551.26
268.0	-9.20	10217.0	0.0	-9.13	DK032	76445.5	542.09
234.0	.70	9983.0	0.0	.62	- DK033	76679.5	541.44
74.0	-0.60	10050.0	0.0	-0.58	DK034	76753.5	540.85
165.0	7.60	9708.0	0.0	7.57	- DK035	76918.5	533.26
187.0	0.00	10000.0	0.0	0.00	DK036	77105.5	533.24
136.0	3.35	9842.0	0.0	3.37	- DK037	77241.5	529.85
100.0	11.80	9253.0	0.0	11.78	DK038	77341.5	541.62

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
64.0	-3.30	10328.0	0.0	-3.30	- DK039	77405.5	544.92
92.0	-1.10	10076.0	0.0	-1.09	DK040	77497.5	543.81
265.0	15.40	9631.0	0.0	15.37	- DK041	77762.5	528.40
135.0	-4.35	10207.0	0.0	-4.39	DK042	77897.5	524.00
153.0	-1.80	10073.0	0.0	-1.75	- DK043	78050.5	525.73
180.0	-5.10	10181.0	0.0	-5.11	DK044	78230.5	520.60
172.0	-2.90	10107.0	0.0	-2.89	- DK045	78402.5	523.47
97.5	5.85	9618.0	0.0	5.85	DK046	78500.0	529.32
69.0	.40	9963.0	0.0	.40	- DK047	78569.0	528.91
230.5	-9.15	10253.0	0.0	-9.16	DK048	78799.5	519.72
250.0	3.00	9926.0	0.0	2.90	- DK049	79049.5	516.78
160.0	4.40	9826.0	0.0	4.37	DK050	79209.5	521.14
228.0	-2.00	10057.0	0.0	-2.04	- DK051	79437.5	523.16
170.5	.70	9975.0	0.0	.66	DK052	79608.0	523.81
208.0	-5.30	10163.0	0.0	-5.32	- DK053	79816.0	529.11
219.0	10.85	9684.0	0.0	10.87	DK054	80035.0	539.97
202.5	-16.10	10504.0	0.0	-16.06	- DK055	80237.5	556.01
176.5	2.30	9916.0	0.0	2.32	DK056	80414.0	558.32
241.0	-4.40	10118.0	0.0	-4.46	- DK057	80655.0	562.76
194.0	.70	9978.0	0.0	.67	DK058	80849.0	563.41
209.0	2.65	9920.0	0.0	2.62	- DK059	81058.0	560.76
237.5	4.15	9889.0	0.0	4.14	DK060	81295.5	564.88
136.0	-2.40	10113.0	0.0	-2.41	- DK061	81431.5	567.27
193.0	3.50	9884.0	0.0	3.51	DK062	81624.5	570.77
150.0	-5.40	10230.0	0.0	-5.42	- DK063	81774.5	576.18
166.5	11.70	9552.0	0.0	11.73	DK064	81941.0	587.89
335.0	10.00	9812.0	0.0	9.89	- DK065	82276.0	577.96
140.0	1.70	9923.0	0.0	1.69	DK066	82416.0	579.64
120.0	3.50	9817.0	0.0	3.45	- DK067	82536.0	576.18
155.5	-6.70	10274.0	0.0	-6.69	DK068	82691.5	569.46
274.0	.50	9989.0	0.0	.47	- DK069	82965.5	568.96
237.5	9.40	9749.0	0.0	9.36	KD201	83203.0	578.30

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
83203.0	578.30				KD201	83203.0	578.30
17102.0	.23						
253.5	.78	9981.0	0.0	.75	KD206	83456.5	579.05
68.0	-1.83	10171.0	0.0	-1.82	- KD207	83524.5	580.88
204.0	.50	9985.0	0.0	.48	KD209	83728.5	581.37
135.0	-5.50	10260.0	0.0	-5.51	- KD210	83863.5	586.88
160.0	1.38	9945.0	0.0	1.38	KD211	84023.5	588.27
162.0	2.35	9909.0	0.0	2.31	- KD212	84185.5	585.96
133.0	-4.20	10201.0	0.0	-4.20	KD213	84318.5	581.76
165.0	7.03	9729.0	0.0	7.02	- KD214	84483.5	574.73
222.0	-4.60	10132.0	0.0	-4.60	KD215	84705.5	570.13
128.0	.65	9968.0	0.0	.64	- KD216	84833.5	569.49
263.0	.95	9978.0	0.0	.90	KD218	85096.5	570.40
134.5	1.95	9909.0	0.0	1.92	- KD219	85231.0	568.48
203.0	-4.70	10147.0	0.0	-4.68	KD222	85434.0	563.79
189.0	18.50	9378.0	0.0	18.52	- KD223	85623.0	545.27
251.0	-13.75	10347.0	0.0	-13.69	KD224	85874.0	531.58
333.5	3.05	9942.0	0.0	3.03	- KD225	86207.5	528.55
262.0	1.00	9978.0	0.0	.90	KD226	86469.5	529.46
301.0	-11.90	10252.0	0.0	-11.92	- KD227	86770.5	541.38
160.5	4.30	9828.0	0.0	4.33	KD228	86931.0	545.72
102.0	-6.40	10399.0	0.0	-6.40	- KD229	87033.0	552.12
138.0	9.30	9574.0	0.0	9.24	KD230	87171.0	561.37
84.0	-2.68	10202.0	0.0	-2.66	- KD231	87255.0	564.04
101.5	5.35	9664.0	0.0	5.36	KD232	87356.5	569.40
208.0	-9.30	10284.0	0.0	-9.28	- KD233	87564.5	578.69
173.0	3.45	9872.0	0.0	3.47	KD234	87737.5	582.17
188.0	.40	9987.0	0.0	.38	- KD235	87925.5	581.79
94.0	-1.40	10093.0	0.0	-1.37	KD236	88019.5	580.42
154.0	6.60	9726.0	0.0	6.63	- KD237	88173.5	573.79
93.0	-3.80	10262.0	0.0	-3.82	KD238	88266.5	569.96
112.5	0.00	10000.0	0.0	0.00	- KD239	88379.0	569.96
243.0	-8.10	10210.0	0.0	-8.01	KD240	88622.0	561.95
135.0	-.20	10009.0	0.0	-.19	- KD241	88757.0	562.14
182.5	1.85	9935.0	0.0	1.86	KD244	88939.5	564.01
201.0	-.90	10028.0	0.0	-.88	- KD245	89140.5	564.89
107.5	-1.40	10083.0	0.0	-1.40	KD246	89248.0	563.49
166.0	-10.38	10398.0	0.0	-10.39	- KD247	89414.0	573.89
81.5	2.10	9836.0	0.0	2.09	KD248	89495.5	575.99
154.0	-2.60	10106.0	0.0	-2.56	- KD249	89649.5	578.55
261.5	13.65	9668.0	0.0	13.64	KD250	89911.0	592.21

DISTANCE	DIFF/M	ANGLE	S-I	D IFF/C	NAME	LENGTH	ELEVATION
146.5	-13.20	10570.0	0.0	-13.15	- KD251	90057.5	605.36
114.0	4.93	9724.0	0.0	4.94	- KD252	90171.5	610.31
247.0	-5.75	10147.0	0.0	-5.70	- KD253	90418.5	616.02
114.5	1.45	9919.0	0.0	1.45	- KD254	90533.0	617.47
69.0	-3.80	10349.0	0.0	-3.78	- KD255	90602.0	621.26
75.0	-.70	10061.0	0.0	-.71	- KD256	90677.0	620.54
274.0	1.05	9976.0	0.0	1.03	- KD257	90951.0	619.51
47.0	-2.20	10298.0	0.0	-2.20	- KD258	90998.0	617.31
107.0	14.40	9150.0	0.0	14.37	- KD259	91105.0	602.94
214.5	-27.00	10800.0	0.0	-27.09	- KD260	91319.5	575.85
251.0	2.00	9949.0	0.0	2.01	- KD261	91570.5	573.84
169.0	-6.10	10231.0	0.0	-6.13	- KD262	91739.5	567.71
165.0	9.50	9634.0	0.0	9.49	- KD263	91904.5	558.21
224.0	-4.10	10116.0	0.0	-4.08	- KD264	92128.5	554.13
232.0	2.80	9923.0	0.0	2.80	- KD265	92360.5	551.33
263.0	-1.80	10039.0	0.0	-1.61	- KD266	92623.5	549.72
166.5	-4.20	10161.0	0.0	-4.21	- KD267	92790.0	553.94
174.0	10.20	9628.0	0.0	10.17	- KD268	92964.0	564.12
164.0	2.10	9919.0	0.0	2.08	- KD269	93128.0	562.03
211.0	5.25	9841.0	0.0	5.27	- KD270	93339.0	567.31
95.0	-3.30	10221.0	0.0	-3.29	- KD271	93434.0	570.61
111.0	1.60	9912.0	0.0	1.53	- KD272	93545.0	572.14
184.0	.90	9969.0	0.0	.89	- KD273	93729.0	571.25
282.0	-3.80	10085.0	0.0	-3.76	- KD274	94011.0	567.49
105.5	-2.20	10132.0	0.0	-2.18	- KD275	94116.5	569.68
216.5	-7.95	10233.0	0.0	-7.92	- KD276	94333.0	561.75
203.0	5.30	9836.0	0.0	5.23	- KD277	94536.0	556.53
245.0	2.30	9941.0	0.0	2.27	- KD278	94781.0	558.80
208.0	-2.50	10077.0	0.0	-2.51	- KD279	94989.0	561.32
226.0	.60	9983.0	0.0	.60	- KD280	95215.0	561.93
181.0	-2.10	10072.0	0.0	-2.04	- KD281	95396.0	563.97
217.0	-2.20	10066.0	0.0	-2.24	- KD282	95613.0	561.73
230.0	-3.40	10096.0	0.0	-3.46	- KD283	95843.0	565.20
232.0	-1.05	10028.0	0.0	-1.02	- KD284	96075.0	564.18
230.0	-.65	10019.0	0.0	-.68	- KD285	96305.0	564.87
76.0	2.38	9802.0	0.0	2.36	- KD286	96381.0	567.24
183.0	6.20	9785.0	0.0	6.18	- KD287	96564.0	561.06
109.0	-3.05	10177.0	0.0	-3.03	- KD288	96673.0	558.03
206.0	6.20	9810.0	0.0	6.14	- KD289	96879.0	551.88
126.0	3.00	9849.0	0.0	2.98	- KD290	97005.0	554.87

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
230.0	-4.23	10116.0	0.0	-4.19	- KD291	97235.0	559.07
230.0	-8.00	10217.0	0.0	-7.84	- KD292	97465.0	551.23
143.5	.63	9972.0	0.0	.63	- KD293	97608.5	550.60
280.0	-2.60	10060.0	0.0	-2.63	- KD294	97888.5	547.96
239.0	5.30	9857.0	0.0	5.36	- KD295	98127.5	542.60
163.0	-7.10	10276.0	0.0	-7.07	- KD296	98290.5	535.53
230.5	8.05	9778.0	0.0	8.04	- KD297	98521.0	527.49
211.5	-10.25	10308.0	0.0	-10.24	- KD298	98732.5	517.25
269.0	15.03	9647.0	0.0	14.93	- KD299	99001.5	502.32
96.0	-3.53	10232.0	0.0	-3.50	- KD300	99097.5	498.82
268.5	13.70	9679.0	0.0	13.54	- KD301	99366.0	485.28
70.5	-5.05	10454.0	0.0	-5.03	- KD302	99436.5	480.24
269.5	26.20	9380.0	0.0	26.32	- KD303	99706.0	453.92
224.0	-35.20	10991.0	0.0	-35.15	- KD304	99930.0	418.77
170.0	31.50	8828.0	0.0	31.65	- KD305	100100.0	387.11
205.0	-38.00	11162.0	0.0	-37.83	- KD306	100305.0	349.28

DISTANCE	DIFF/M	ANGLE	S-I	D DIFF/C	NAME	LENGTH	ELEVATION
100305.0	349.28				KD306	100305.0	349.28
0.0	0.00						
46.5	11.38	8473.0	0.0	11.37	- KD307	100351.5	337.90
78.0	-19.50	11560.0	0.0	-19.50	- KD308	100429.5	318.40
233.5	18.05	9508.0	0.0	18.08	- KD309	100663.0	300.32
104.0	-23.50	11413.0	0.0	-23.46	- KD310	100767.0	276.85
170.5	-35.50	11307.0	0.0	-35.50	- KD311	100937.5	312.35
185.5	53.50	8218.0	0.0	53.32	- KD312	101123.0	365.67
157.0	-35.38	11405.0	0.0	-35.22	- KD313	101280.0	400.90
124.0	30.50	8473.0	0.0	30.32	- KD314	101404.0	431.22
111.0	-21.00	11186.0	0.0	-20.92	- KD315	101515.0	452.15
74.0	11.30	9037.0	0.0	11.27	- KD316	101589.0	463.43
155.0	-15.05	10616.0	0.0	-15.04	- KD317	101744.0	478.47
194.0	26.35	9142.0	0.0	26.30	- KD318	101938.0	504.78
262.0	-31.50	10761.0	0.0	-31.46	- KD319	102200.0	536.25
209.0	12.65	9616.0	0.0	12.62	- KD321	102409.0	548.87
182.5	-13.10	10460.0	0.0	-13.20	- KD322	102591.5	562.08
268.0	2.95	9930.0	0.0	2.94	- KD323	102859.5	565.02
292.0	-4.20	10092.0	0.0	-4.22	- KD324	103151.5	569.24
293.0	8.00	9828.0	0.0	7.91	- KD325	103444.5	577.16
155.0	-4.00	10163.0	0.0	-3.96	- KE001	103599.5	581.13
306.0	6.95	9857.0	0.0	6.87	- KE002	103905.5	588.01
300.0	-10.60	10226.0	0.0	-10.65	- KE003	104205.5	598.66
52.0	.40	9951.0	0.0	.40	- KE004	104257.5	599.06
285.0	7.25	9841.0	0.0	7.11	- KE005	104542.5	591.94
295.0	1.60	9966.0	0.0	1.57	- KE006	104837.5	593.52
139.0	-1.40	10066.0	0.0	-1.44	- KE007	104976.5	594.96
293.0	3.30	9930.0	0.0	3.22	- KE008	105269.5	598.18
270.0	-3.50	10084.0	0.0	-3.56	- KE009	105539.5	601.74
162.5	1.55	9939.0	0.0	1.55	- KE010	105702.0	603.30
236.0	-5.10	10139.0	0.0	-5.15	- KE011	105938.0	608.45
214.0	4.05	9881.0	0.0	4.00	- KE012	106152.0	612.45
242.5	-3.50	10095.0	0.0	-3.61	- KE013	106394.5	616.07
206.0	1.00	9970.0	0.0	.97	- KE014	106600.5	617.04
212.0	-1.30	10040.0	0.0	-1.33	- KE015	106812.5	618.38
205.0	2.35	9929.0	0.0	2.28	- KE016	107017.5	620.66
236.5	-.80	10022.0	0.0	-.81	- KE017	107254.0	621.48
238.5	.35	9992.0	0.0	.29	- KE018	107492.5	621.78
218.0	-1.90	10058.0	0.0	-1.98	- KE019	107710.5	623.77
227.0	2.70	9925.0	0.0	2.67	- KE020	107937.5	626.44

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
157.0	-3.60	10146.0	0.0	-3.60	-	108094.5	630.04
191.0	1.35	9956.0	0.0	1.32	KE021	108285.5	631.36
226.0	-2.30	10068.0	0.0	-2.41	KE022	108511.5	633.77
207.0	2.30	9930.0	0.0	2.27	-	108718.5	636.05
228.0	-0.50	10013.0	0.0	-0.46	KE023	108946.5	636.52
121.0	1.80	9908.0	0.0	1.74	KE024	109067.5	638.27
235.0	3.80	9899.0	0.0	3.72	KE025	109302.5	634.54
136.0	-1.10	10051.0	0.0	-1.08	KE026	109438.5	633.45
245.0	1.60	9961.0	0.0	1.50	KE027	109683.5	631.95
179.5	3.20	9887.0	0.0	3.18	KE028	109863.0	635.13
127.0	-1.60	10083.0	0.0	-1.65	KE029	109990.0	636.79
216.5	4.60	9865.0	0.0	4.59	KE030	110206.5	641.38
87.5	.45	9971.0	0.0	.39	KE031	110294.0	640.98
167.0	-2.20	10084.0	0.0	-2.20	KE032	110461.0	638.78
186.0	0.00	9999.0	0.0	.02	KE033	110647.0	638.75
226.0	-0.10	10004.0	0.0	-0.14	KE034	110873.0	638.61
211.0	-0.70	10020.0	0.0	-0.66	KE035	111084.0	639.27
215.0	2.10	9940.0	0.0	2.02	KE036	111299.0	641.30
230.0	-3.40	10096.0	0.0	-3.46	KE037	111529.0	644.76
216.5	4.10	9883.0	0.0	3.97	KE038	111745.5	648.74
224.0	-2.90	10082.0	0.0	-2.88	KE039	111969.5	651.63
204.0	2.10	9936.0	0.0	2.05	KE040	112173.5	653.68
211.0	-1.10	10034.0	0.0	-1.12	KE041	112384.5	654.81
185.0	-0.40	10015.0	0.0	-0.43	KE042	112569.5	654.37
162.5	5.25	9796.0	0.0	5.20	KE043	112732.0	649.16
237.0	-9.15	10248.0	0.0	-9.23	KE044	112969.0	639.93
249.0	4.30	9890.0	0.0	4.30	KE045	113218.0	635.62
200.0	4.00	9867.0	0.0	4.17	KE046	113418.0	639.80
201.0	-3.15	10100.0	0.0	-3.15	KE047	113619.0	642.96
222.5	3.45	9900.0	0.0	3.49	KE048	113841.5	646.45
111.0	-2.10	10122.0	0.0	-2.12	KE049	113952.5	648.58
222.0	-2.40	10071.0	0.0	-2.47	KE050	114174.5	646.11
274.0	2.45	9944.0	0.0	2.41	KE051	114448.5	643.70
142.0	3.65	9838.0	0.0	3.61	KE052	114590.5	647.31
219.0	-0.90	10027.0	0.0	-0.92	KE053	114809.5	648.24
223.0	.35	9991.0	0.0	.31	KE054	115032.5	648.55
241.0	-6.30	10169.0	0.0	-6.39	KE055	115273.5	654.95
224.0	4.40	9873.0	0.0	4.46	KE056	115497.5	659.42
244.0	3.80	9902.0	0.0	3.75	KE057	115741.5	655.67
222.0	-1.15	10035.0	0.0	-1.22	KE058	115963.5	654.45

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
161.0	.50	9977.0	0.0	.58	KE065	116124.5	653.86
80.0	-4.30	10341.0	0.0	-4.28	KE066	116204.5	649.57
114.5	3.80	9790.0	0.0	3.77	KE067	116319.0	645.80
254.0	-2.80	10070.0	0.0	-2.79	KE068	116573.0	643.00
135.0	.30	9987.0	0.0	.27	KE069	116708.0	642.73
160.0	-3.30	10130.0	0.0	-3.26	KE070	116868.0	639.46
225.0	7.50	9788.0	0.0	7.49	KE072	117093.0	631.96
108.0	4.90	9713.0	0.0	4.87	KE073	117201.0	636.84
225.0	.60	9984.0	0.0	.56	KE074	117426.0	636.27
270.0	-3.80	10092.0	0.0	-3.90	KE075	117696.0	632.37
138.0	6.30	9710.0	0.0	6.29	KE076	117834.0	626.08
197.0	-5.90	10191.0	0.0	-5.91	KE077	118031.0	620.17
208.5	3.00	9908.0	0.0	3.01	KE078	118239.5	617.15
160.0	-.15	10008.0	0.0	-.20	KE079	118399.5	616.95
95.0	-2.40	10163.0	0.0	-2.43	KE080	118494.5	619.38
232.0	.50	9987.0	0.0	.47	KE081	118726.5	619.86
27.0	1.20	9709.0	0.0	1.23	KE082	118753.5	618.62
153.0	-9.15	10380.0	0.0	-9.14	KE083	118906.5	609.48
120.0	8.40	9558.0	0.0	8.34	KE084	119026.5	601.13
138.0	-7.80	10360.0	0.0	-7.81	KE085	119164.5	593.32
236.0	12.90	9656.0	0.0	12.76	KE086	119400.5	580.56
190.0	-6.50	10217.0	0.0	-6.47	KE087	119590.5	574.08
290.0	7.30	9841.0	0.0	7.24	KE089	119880.5	566.83
243.0	-16.15	10422.0	0.0	-16.13	KE090	120123.5	550.70
138.5	5.60	9743.0	0.0	5.59	KE091	120262.0	545.11
138.5	-7.10	10324.0	0.0	-7.05	KE092	120400.5	538.05
123.0	14.25	9265.0	0.0	14.26	KE093	120523.5	523.79
207.0	-10.95	10336.0	0.0	-10.93	KE094	120730.5	512.85
146.0	9.30	9594.0	0.0	9.32	KE095	120876.5	503.53
149.0	-10.10	10431.0	0.0	-10.10	KE096	121025.5	493.43
203.0	13.85	9566.0	0.0	13.86	KE097	121228.5	479.57
116.0	-10.30	10564.0	0.0	-10.30	KE098	121344.5	469.26
60.0	7.40	9211.0	0.0	7.47	KE099	121404.5	461.79
138.0	-13.25	10612.0	0.0	-13.30	KE100	121542.5	448.48

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
45185.5	416.20				CK012	45185.5	416.20
2720.5	.55						
178.0	-13.60	10487.0	0.0	-13.64	- LK001	45363.5	429.87
132.0	5.85	9718.0	0.0	5.85	LK002	45495.5	435.75
121.0	4.50	9764.0	0.0	4.48	- LK003	45616.5	431.29
198.0	-20.10	10645.0	0.0	-20.12	LK004	45814.5	411.20
231.5	6.85	9811.0	0.0	6.87	- LK005	46046.0	404.37
240.0	10.00	9736.0	0.0	9.95	LK006	46286.0	414.38
282.0	-.50	10012.0	0.0	-.53	- LK009	46568.0	414.97
65.5	1.60	9841.0	0.0	1.63	LK010	46633.5	416.62
183.0	9.90	9658.0	0.0	9.84	- LK011	46816.5	406.81
233.0	50.00	8651.0	0.0	50.12	LK014	47049.5	456.98
152.5	-20.80	10863.0	0.0	-20.80	- LK016	47202.0	477.82
58.0	.40	9957.0	0.0	.39	LK017	47260.0	478.22
129.0	-2.15	10107.0	0.0	-2.16	- LK018	47389.0	480.41
54.5	-.40	10048.0	0.0	-.41	LK019	47443.5	480.01
116.0	-4.70	10260.0	0.0	-4.74	- LK020	47559.5	484.78
49.5	6.50	9170.0	0.0	6.49	LK021	47609.0	491.28
171.0	-6.90	10255.0	0.0	-6.85	- LK022	47780.0	498.17
126.0	12.00	9394.0	0.0	12.03	CK037	47906.0	510.22

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
44734.0	418.27				KC001	44734.0	418.27
9574.5	-1.10						
266.0	-0.39	9997.5	.5	-0.39	KC002	45000.0	417.84
154.0	2.00	9917.0	0.0	2.00	KC003	45154.0	415.81
264.0	9.40	9776.0	0.0	9.29	KC004	45418.0	425.08
44.0	-5.60	10809.0	0.0	-5.62	KC005	45462.0	430.69
84.0	5.20	9608.0	0.0	5.17	KC006	45546.0	435.86
84.0	-6.90	10519.0	0.0	-6.86	KC007	45630.0	442.72
241.5	15.75	9584.0	0.0	15.80	KC008	45871.5	458.49
184.0	-7.40	10257.0	0.0	-7.43	KC009	46055.5	465.90
61.0	-1.15	10120.0	0.0	-1.14	KC010	46116.5	464.74
179.0	.80	9971.0	0.0	.81	KC011	46295.5	463.91
97.0	12.40	9190.0	0.0	12.40	KC012	46392.5	476.31
126.0	-10.70	10540.0	0.0	-10.71	KC013	46518.5	487.01
67.0	-0.45	10043.0	0.0	-0.45	KC014	46585.5	486.55
223.0	21.00	9405.0	0.0	20.90	KC015	46808.5	465.62
237.5	-9.40	10254.0	0.0	-9.48	KC016	47046.0	456.11
128.0	-6.40	10319.0	0.0	-6.41	KC017	47174.0	462.51
38.5	-0.90	10151.0	0.0	-0.91	KC018	47212.5	461.60
188.0	8.70	9708.0	0.0	8.62	KC019	47400.5	452.94
137.5	-4.20	10194.0	0.0	-4.19	KC020	47538.0	448.74
93.5	16.75	8874.0	0.0	16.71	KC021	47631.5	432.01
81.0	-14.35	11116.0	0.0	-14.34	KC022	47712.5	417.66
171.5	-2.05	10076.0	0.0	-2.04	KC023	47884.0	419.69
68.0	3.40	9681.0	0.0	3.41	KC024	47952.0	423.09
222.0	-0.70	10020.0	0.0	-0.69	KC025	48174.0	423.76
227.5	.55	9984.0	0.0	.57	KC026	48401.5	424.31
195.5	-3.40	10111.0	0.0	-3.40	KC027	48597.0	427.69
115.5	-2.30	10127.0	0.0	-2.30	KC028	48712.5	425.38
66.0	2.70	9743.0	0.0	2.66	KC029	48778.5	422.70
161.0	-2.55	10103.0	0.0	-2.60	KC030	48939.5	420.08
227.0	7.45	9791.0	0.0	7.45	KC031	49166.5	412.60
166.5	-1.25	10047.0	0.0	-1.22	KC032	49333.0	411.35
151.5	-3.05	10129.0	0.0	-3.07	KC033	49484.5	414.40
163.0	1.95	9926.0	0.0	1.89	KC034	49647.5	416.28
210.0	-1.70	10053.0	0.0	-1.74	KC035	49857.5	418.00
217.0	.40	9989.0	0.0	.37	KC036	50074.5	418.35
151.0	-3.45	10146.0	0.0	-3.46	KC037	50225.5	421.80
215.0	24.90	9266.0	0.0	24.89	KC038	50440.5	446.67
48.5	.45	9943.0	0.0	.43	KC039	50489.0	446.23
118.0	-13.60	10727.0	0.0	-13.53	KC040	50607.0	432.69

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
167.0	2.95	9888.0	0.0	2.93	- KC041	50774.0	429.73
225.0	-2.60	10073.0	0.0	-2.58	KC042	50999.0	427.12
183.0	-9.60	10333.0	0.0	-9.58	- KC043	51182.0	436.68
152.0	11.85	9505.0	0.0	11.84	KC044	51334.0	448.51
74.0	-24.50	12027.0	0.0	-24.39	- KC045	51408.0	472.89
34.0	6.00	8879.0	0.0	6.04	KC046	51442.0	478.94
199.5	-10	10003.0	0.0	-0.9	- KC047	51641.5	479.01
214.0	4.75	9859.0	0.0	4.74	KC048	51855.5	483.72
225.0	-11.95	10335.0	0.0	-11.85	- KC049	52080.5	495.55
64.0	.95	9906.0	0.0	.94	KC050	52144.5	496.49
195.0	-3.75	10123.0	0.0	-3.76	- KC051	52339.5	500.23
75.0	.20	9987.0	0.0	.15	KC052	52414.5	500.38
250.5	-3.35	10009.0	0.0	-3.35	- KC053	52665.0	500.70
127.5	2.25	9888.0	0.0	2.24	KC054	52792.5	502.93
150.5	-7.65	10325.0	0.0	-7.68	- KC055	52943.0	510.60
112.0	.30	9985.0	0.0	.26	KC056	53055.0	510.85
89.0	5.70	9593.0	0.0	5.69	- KC057	53144.0	505.15
133.0	-10.10	10484.0	0.0	-10.13	KC058	53277.0	495.00
79.0	15.00	8795.0	0.0	15.13	- KC059	53356.0	479.86
141.5	-17.20	10771.0	0.0	-17.22	KC060	53497.5	462.62
197.0	.35	9990.0	0.0	.30	- KC061	53694.5	462.29
22.0	-2.24	10647.0	0.0	-2.24	KC062	53716.5	460.04
191.0	20.90	9303.0	0.0	20.99	- KC063	53907.5	439.02
218.0	2.50	9924.0	0.0	2.60	KC064	54125.5	441.60
183.0	-28.20	10969.0	0.0	-28.07	- KC065	54308.5	469.65

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
70689.0	652.48				KD118	70689.0	652.48
11662.0	.16						
269.0	-35.10	10826.0	0.0	-35.09	-	70958.0	687.58
46.0	7.80	8913.0	0.0	7.93	KD119	71004.0	695.51
129.0	-23.50	11150.0	0.0	-23.55	KD120	71133.0	719.07
114.0	16.00	9110.0	0.0	16.04	-	71247.0	735.12
137.0	.30	9989.0	0.0	.23	KD121	71384.0	734.88
201.0	-12.20	10385.0	0.0	-12.17	KD122	71585.0	722.71
93.0	10.40	9291.0	0.0	10.40	KD123	71678.0	712.31
54.5	-15.15	11717.0	0.0	-15.06	KD124	71732.5	697.25
143.5	39.25	8299.0	0.0	39.28	KD125	71876.0	657.97
205.0	4.65	9855.0	0.0	4.66	-	72081.0	662.64
159.0	-21.80	10870.0	0.0	-21.86	KD126	72240.0	684.51
91.0	15.30	8939.0	0.0	15.30	KD127	72331.0	699.82
36.0	-2.90	10514.0	0.0	-2.91	KD128	72367.0	702.73
143.0	-.35	10015.0	0.0	-.33	-	72510.0	702.40
154.5	10.85	9554.0	0.0	10.84	KD129	72664.5	691.56
44.5	-5.10	10730.0	0.0	-5.12	KD130	72709.0	686.43
55.5	12.50	8581.0	0.0	12.57	KD131	72764.5	673.85
64.5	-20.00	11922.0	0.0	-20.08	KD132	72829.0	653.77
105.0	26.25	8440.0	0.0	26.25	KD133	72934.0	627.51
125.0	-9.38	10476.0	0.0	-9.36	-	73059.0	618.15
73.0	9.90	9136.0	0.0	9.96	KD134	73132.0	608.18
188.5	-7.70	10260.0	0.0	-7.70	KD135	73320.5	600.48
112.0	2.85	9837.0	0.0	2.86	KD136	73432.5	597.61
41.0	-10.25	11558.0	0.0	-10.23	-	73473.5	587.38
36.5	7.25	8747.0	0.0	7.27	KD137	73510.0	580.10
129.5	-14.00	10681.0	0.0	-13.90	KD138	73639.5	566.19
85.0	3.80	9714.0	0.0	3.82	KD139	73724.5	562.37
79.5	-9.90	10786.0	0.0	-9.86	-	73804.0	552.51
136.0	10.80	9497.0	0.0	10.76	KD140	73940.0	541.74
227.0	.10	9997.0	0.0	.10	KD141	74167.0	541.85
234.5	6.50	9822.0	0.0	6.55	-	74401.5	535.30
196.0	-1.00	10033.0	0.0	-1.01	KD142	74597.5	534.29
271.0	-1.00	10024.0	0.0	-1.02	KD143	74868.5	535.31
303.0	7.10	9853.0	0.0	6.99	-	75171.5	542.31
53.0	-8.06	10957.0	0.0	-8.02	KD144	75224.5	550.34
91.0	-2.50	10175.0	0.0	-2.50	KD145	75315.5	547.84
71.0	2.80	9748.0	0.0	2.81	-	75386.5	545.03
184.0	-.60	10020.0	0.0	-.57	KD146	75570.5	544.45

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
124.0	.40	9979.0	0.0	.40	- KD160	75694.5	544.05
262.0	1.50	9964.0	0.0	1.48	- KD162	75956.5	545.53
100.5	6.20	9611.0	0.0	6.14	- KD163	76057.0	539.38
155.0	1.90	9921.0	0.0	1.92	- KD164	76212.0	541.31
225.0	-8.00	10226.0	0.0	-7.99	- KD165	76437.0	549.30
234.0	.80	9979.0	0.0	.77	- KD166	76671.0	550.08
221.0	-24.65	10709.0	0.0	-24.71	- KD167	76892.0	574.80
138.0	15.60	9281.0	0.0	15.65	- KD168	77030.0	590.45
173.0	12.00	9558.0	0.0	12.03	- KD169	77203.0	578.42
64.0	-7.90	10778.0	0.0	-7.86	- KD170	77267.0	570.56
140.0	17.70	9199.0	0.0	17.70	- KD171	77407.0	552.86
288.0	-22.80	10502.0	0.0	-22.75	- KD173	77695.0	530.10
211.5	4.23	9874.0	0.0	4.18	- KD174	77906.5	525.92
188.0	-1.50	10053.0	0.0	-1.56	- KD175	78094.5	524.36
102.0	.70	9957.0	0.0	.68	- KD176	78196.5	523.67
202.5	-3.30	10105.0	0.0	-3.34	- KD177	78399.0	520.33
175.0	-3.90	10142.0	0.0	-3.90	- KD178	78574.0	524.24
102.5	.05	9997.0	0.0	.04	- KD179	78676.5	524.29
152.0	.80	9969.0	0.0	.74	- KD180	78828.5	523.55
177.5	-.93	10034.0	0.0	-.94	- KD181	79006.0	522.61
155.0	-1.10	10045.0	0.0	-1.09	- KD182	79161.0	523.70
213.0	4.15	9876.0	0.0	4.14	- KD183	79374.0	527.86
205.0	-18.70	10578.0	0.0	-18.66	- KD184	79579.0	546.52
76.5	8.55	9294.0	0.0	8.51	- KD185	79655.5	555.04
143.0	.95	9957.0	0.0	.96	- KD186	79798.5	554.08
230.0	3.35	9907.0	0.0	3.36	- KD187	80028.5	557.44
247.5	1.10	9973.0	0.0	1.04	- KD188	80276.0	556.39
149.0	2.90	9875.0	0.0	2.92	- KD189	80425.0	559.32
170.0	.45	9984.0	0.0	.42	- KD190	80595.0	558.90
204.0	4.75	9853.0	0.0	4.71	- KD191	80799.0	563.61
207.5	-12.70	10389.0	0.0	-12.69	- KD192	81006.5	576.31
166.0	15.35	9412.0	0.0	15.37	- KD193	81172.5	591.69
146.0	4.80	9790.0	0.0	4.81	- KD194	81318.5	586.87
102.5	-3.85	10241.0	0.0	-3.88	- KD195	81421.0	582.99
209.0	2.20	9934.0	0.0	2.16	- KD196	81630.0	580.83
99.5	-5.45	10349.0	0.0	-5.46	- KD197	81729.5	575.37
157.5	7.60	9693.0	0.0	7.60	- KD198	81887.0	567.77
222.0	-.75	10021.0	0.0	-.73	- KD199	82109.0	567.04
242.0	-11.20	10296.0	0.0	-11.26	- KD201	82351.0	578.30



ORKUSTOFNUN
Landmælingar

Blað: 35
Dags: 20-01-76
Gert: SPI

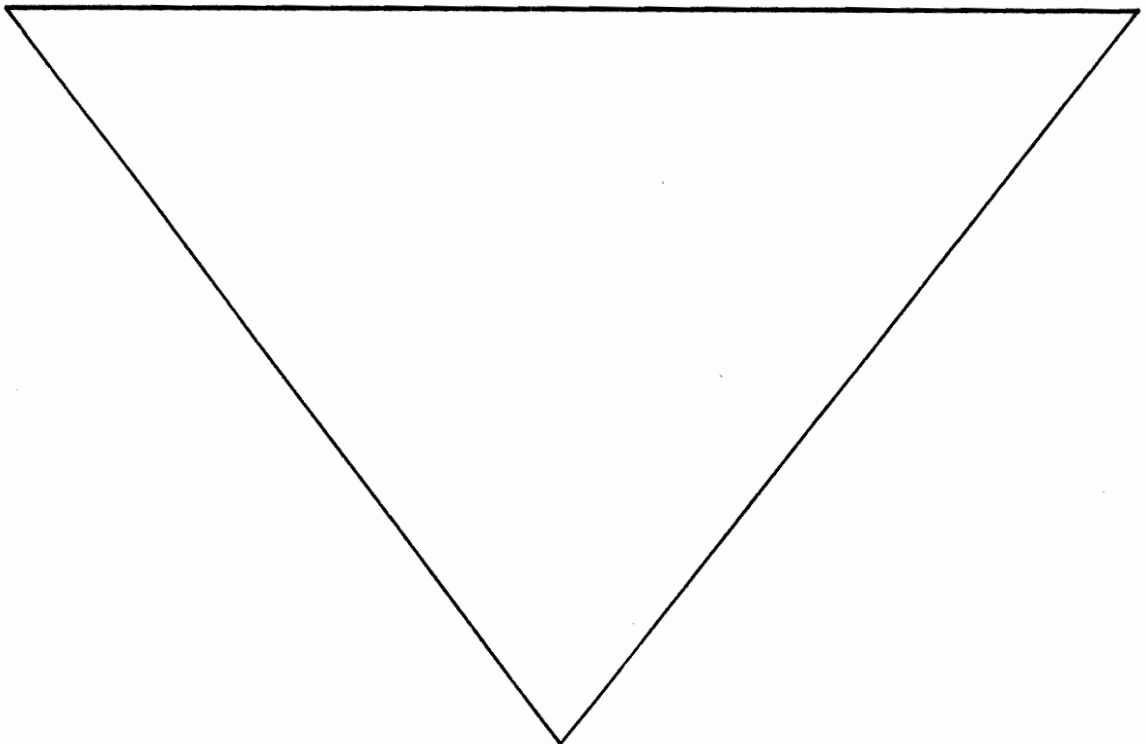
Viðauki I. Hæðarpunktur

Á blaðsíðum 36 - 39 eru niðurstöður mælinga úr hæðarpunktum, í punkta í línunni.

5598 er í Hlíðardal við Kröflu, skammt ofan við línustæðið.
FM27 er á vesturbakka Jökulsár á Fjöllum, sunnan við Ferjuás.
FM6616 er í Skarðsárbrú, neðri brúarvæng að austan.
FM5574 er í steyptri stétt íbúðarhúss að Hákonarstöðum Jök.d.

Yfirlit yfir mælingarnar er sem hér segir:

<u>Mæling</u>	<u>Blað</u>
KB010 - 5598	36
KC002 - FM27	37
KD012 - FM6616	38
KD306 - FM5574	39



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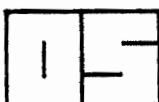
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DISTANCE  DIFF/M  ANGLE  S-I  DIFF/C  NAME  LENGTH  ELEVATION
=====
0.0      442.76
0.0      0.00
138.5    -2.65    10099.0  .5   -2.65  - A   138.5   445.41
233.4    -10.06   10247.0  1.0  -10.06 KB010  371.9   435.35
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DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
0.0	417.84				KC002	0.0	417.84
0.0	0.00						
127.5	2.10	9897.0	0.0	2.06	- M1	127.5	415.77
159.0	-0.80	10030.0	0.0	-0.74	M2	286.5	415.02
125.0	-0.45	10021.0	0.0	-0.41	- M3	411.5	415.44
160.0	-1.50	10060.0	0.0	-1.50	FM27	571.5	413.93

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
0.0	441.13				KD012	0.0	441.13
0.0	0.00						
248.0	-1.20	10029.0	0.0	-1.12	- M1	248.0	442.25
163.0	.40	9985.0	0.0	.38	M2	411.0	442.64
143.5	1.50	9934.0	0.0	1.48	- M3	554.5	441.15
129.0	-2.65	10131.0	0.0	-2.65	M4	683.5	438.50
172.5	-.95	10034.0	0.0	-.92	- M5	856.0	439.42
21.0	-.60	10181.0	0.0	-.59	FM6616	877.0	438.82

DISTANCE	DIFF/M	ANGLE	S-I	DIFF/C	NAME	LENGTH	ELEVATION
0.0	349.28				KD 306	0.0	349.28
0.0	0.00						
151.0	.10	9998.0	0.0	.04	M1	151.0	349.23
193.0	-11.10	10366.0	0.0	-11.10	M2	344.0	338.12
183.5	6.65	9770.0	0.0	6.63	M3	527.5	331.49
284.0	-14.65	10328.0	0.0	-14.64	M4	811.5	316.84
102.0	2.20	9860.0	0.0	2.24	M5	913.5	314.60
213.0	-.20	10007.0	0.0	-.23	M6	1126.5	314.36
126.5	-2.20	10113.0	0.0	-2.24	M7	1253.0	316.61
13.5	.70	9667.0	0.0	.70	FM5574	1266.5	317.32

Viðauki II, Athugasemdir

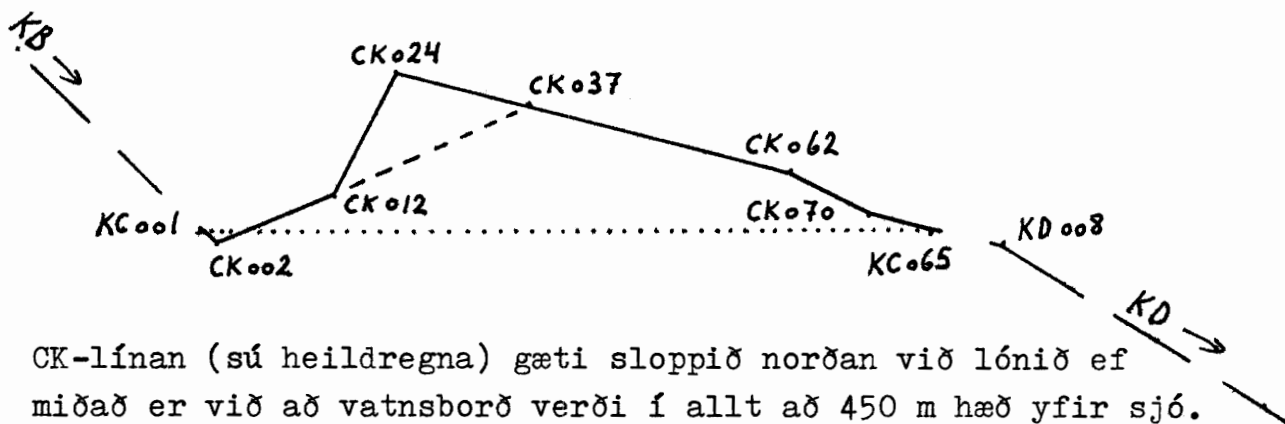
a) Spennistöðvarstæði við Kröflu hafði ekki verið ákveðið í sumar þegar mælt var fyrir línunni, og er því endinn næst Kröflu óviss og gæti þurft að breyta honum.

Það eykur á óvissuna um línustæðið að ekki hefur enn verið valinn staður fyrir kælingarlón frárennslisvatns frá virkjuninni. Hvorki lína né spennistöð má vera nálægt því vegna ísingarhættu.

Þurfi að gera einhverjar umtalsverðar breytingar á línunni er ástæða til að athuga hvort hagkvæmt sé að breyta línunni austur að horni við Vegarsveina KB121, ef þannig mætti fækka hornum.

b) Samkvæmt einni hugmynd um virkjun Jökulsár á Fjöllum er gert ráð fyrir miklu miðlunarlóni í Núpaskoti, sunnan og austan við Fremri-Grímsstaðanúp og Lambafjöll.

Með hliðsjón af þessu voru mældar 3 línuleiðir á kaflanum frá Jökulsá á Fjöllum að Sauðaskarði.



CK-línan (sú heildregna) gæti sloppið norðan við lónið ef miðað er við að vatnsborð verði í allt að 450 m hæð yfir sjó.

LK-línan (sú slitrótta) er afbrigði af CK-línu. Í staðinn fyrir að sveigja í CK012 norður fyrir lónið, heldur LK-línan beint áfram yfir hugsanlegt stíflu- og lónsstæði og kemur aftur inn í CK-línu í CK037.

KC-línan (punktalínan) fer stytztu leið þvert yfir lónsstæðið. Hún er 1.433 m styttri en CK-lína, horn þremur færri og árpverun við Jökulsá um 40 m styttri.



Ef CK-línan á að sleppa við lón með 450 m vatnsborðshæð þá þarf nokkur löng staurabil, tvö þau lengstu 600-700 m. Þar sem þjóðvegurinn er í Víðidal yrði um 10 m djúpt vatn og sömuleiðis við Skarðsá austan Sauðaskarðs. Verði Vatnsborð hins vegar 10 m lægra fæst meira svigrúm til að koma línunni vel fyrir, og stytta staurabilin.

Hægt er að stytta CK-línuna allmikið með því að fara ekki lengra suður eftir KB-línu en upp á Ferjuás, beygja þar í austur og fara í 800 m spennu af ásnum yfir á höfða sem gengur suður úr Fremri-Grímsstaðanúp. Þetta er sett hér sérfróðum mönnum til athugunar.

c) Tveir möguleikar voru mældir gegnum skarð í Austari-Möðrudalsfjallgarði næst sunnan við Gestreiðarstaðaskarð og austur að Þrívörðuhálsi á Jökuldalsheiði.

DK-línan er talin æskilegri frá náttúruverndarsjónarmiði, auk þess er hún 65 m lægri (669 m í stað 735 m yfir sjó). Hún er hins vegar 852 m lengri en KD-línan og með 2 kröpp horn í staðinn fyrir 1 milt, sjá hornalista.

d) Hugmyndir eru uppi um virkjanir í Fljótsdal í Bessastaðaá og Jökulsá, með uppistöðulóni í Gilsárvötnum á Fljótsdalsheiði.

Þegar línustæðið var valið yfir heiðina var reynt að teygja línuna suður til að hún yrði sem lægst. Mjög flatt er norðan við Gilsárvötnin og er lægsti punktur línunnar þar í um 634 m hæð (á milli KE048 og KE050), sjá prófíl.

Gefið hefur verið upp að vatnsborð í lóni gæti orðið í 632,5m hæð og ætti línann samkvæmt því að sleppa norðan lónsins. Nokkurri óvissu veldur þó að ekki var mælt í hæðarpunkt austan heiðarinnar og getur því einhverju skakkað um reiknaðar hæðir í línunni. Athugist.

Kanna þarf snjóalög á heiðinni sem og á Jökuldalsheiði og Geitasandi.



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e) Endi línunnar er á austurbrún Fljótsdalsheiðar upp af Bessastöðum í Fljótsdal. Reynt var að ganga þannig frá honum að svigrúm væri til að snúa kaflanum austur af heiðinni eftir þörfum. Hornið á heiðarbrúninni þarf ekki að vera í KE100 frekar en verkast vill.

f) Aðveitustöð í Fljótsdal er óvalin enn. Lausleg könnun var gerð á línustæði þaðan að Hallormsstaðarhálsi.

Um spennistöðvarstæði í Skriðdal, sjá aftast í skýrslu um línu frá Djúpavogi að Grímsárvirkjun.

