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*** INPUT CARD PRINTOUT ***

0	1	2	3	4	5	6	7	8
.....
1	1	CROOKED RUN	STOKES CO	FEMA-LDS	X-PROP	9	1	01 02 10
2	2	7430	7400					
3	3	A	1	37	3	70	0	99 99
4	4	1430						
5	10	0	1	786	10	1	775	20 1 769 30 1 765 40 1 760
5	11	50	1	757	60	1	752	70 1 747 80 1 733 90 1 716
5	12	100	1	717	110	1	716	120 1 716 130 1 717 140 1 719
5	13	150	1	725	160	1	720	170 1 710 180 1 734 190 2 732
5	14	194	2	688	200	2	681	210 2 688 220 3 734 230 3 735
5	15	240	3	736	250	3	739	260 3 738 270 3 731 280 3 739
5	16	290	3	746	310	3	749	330 3 757 350 3 766 370 3 775
5	17	390	3	781	400	3	786	
6	20	1	2	040 040	1	2	035 035	1 2 090 690
3	90	B	0	31	3	73	450	99 99
5	60	0	1	933	10	1	793	20 1 783 30 1 778 40 1 757
5	61	50	1	747	60	1	739	80 1 735 100 1 741 120 1 737
5	62	140	1	740	130	1	736	180 1 748 200 1 744 250 1 745 280 2 756
5	63	210	1	725	220	1	745	240 1 744 250 1 745 280 2 756
5	64	183	2	719	200	2	706	290 2 698 298 2 705 306 3 750
5	65	310	3	752	320	3	749	330 3 762 340 3 774 350 3 786
5	66	360	3	805				
6	60	1	2	100 100	1	2	035 035	1 2 035 035
3	100	C	0	30	3	75	1250	99 99
5	110	0	1	831	20	1	818	40 1 801 60 1 796 80 1 785
5	111	100	1	781	120	1	775	140 1 765 160 1 772 180 1 778
5	112	200	1	775	220	1	778	240 1 778 260 1 776 280 1 781
5	113	298	2	780	300	2	730	310 2 732 316 2 738 322 3 782
5	114	330	3	783	350	3	779	370 3 772 390 3 772 410 3 765
5	115	430	3	785	450	3	768	460 3 773 470 3 791 480 3 831
6	130	1	2	110 110	1	2	035 035	1 2 035 035
3	150	0	4	2	5	78	1610	99 99
5	160	0	1	840	10	1	839	20 1 833 30 1 826 40 1 821
5	161	50	1	818	60	1	815	70 1 806 80 1 804 90 1 803
5	162	100	1	790	110	2	775	115 2 764 120 2 750 130 2 754
5	163	132	3	760	140	3	770	150 3 779 160 3 790 180 3 792
5	164	200	3	794	220	3	791	240 3 791 260 3 786 280 3 789
5	165	290	3	752	300	3	770	320 3 797 340 3 791 360 3 795
5	166	380	3	733	400	3	799	420 3 800 440 3 804 460 3 806
5	167	480	3	800	500	3	816	520 3 821 540 3 824 560 3 832
5	168	580	3	844	600	3	848	
6	180	1	2	040 040	1	2	035 035	1 2 040 040
3	200	E	1	31	3	81	2190	99 99
4	202	1390						
5	210	0	1	880	20	1	859	40 1 845 60 1 845 80 1 842
5	211	100	1	835	110	1	835	140 1 839 160 1 835 180 1 838

8 = $\frac{750-681}{1610} = 0.0435$

$\frac{785}{67.5} = 11.55$
 $\frac{2195}{450} = 4.88$
 $\frac{8.4}{1740} = 0.0048$

8 = $\frac{8.4}{1740} = 0.0048$

1.0674

*** INPUT CARD PRINTOUT ***

0	1	2	3	4	5	6	7	8
.....
5	212	200	1	834	205	2	830	210 2 797 216 2 787 225 2 750
5	213	230	2	782	234	3	846	240 3 848 250 3 836 280 3 838
5	214	300	3	841	320	3	843	340 3 845 360 3 842 390 3 847

5	215	400	3	859	420	3	852	440	3	865	460	3	869	480	3	877	
5	216	500	3	885													
6	230	1	2	110	110	1	2	035	035	1	2	038	038				
3	250	F		30	4	84		2750	99	99							
5	260		1	918	10	1	907	20	2	906	25	2	879	30	2	828	
5	261		38	2	829	45	2	827	50	2	829	55	3	852	65	3	884
5	262		75	3	877	80	3	875	90	3	862	100	4	869	110	4	868
5	263		115	4	853	120	4	853	130	4	867	150	4	870	170	4	873
5	264		190	4	874	210	4	872	230	4	870	250	4	876	270	4	878
5	265		290	4	880	310	4	887	330	4	892	350	4	907	353	4	916
6	280	1	2	100	100	1	2	035	035	1	2	100	100	1	2	035	035
3	300	G		0	24	4	86	3390	99	99							
5	310		0	1	956	10	1	925	20	1	913	30	1	895	50	1	908
5	311		70	1	909	90	1	908	110	1	905	130	1	911	150	1	911
5	312		170	1	904	190	2	904	195	2	863	200	2	842	208	2	854
5	313		214	3	910	220	3	911	240	3	898	260	4	902	280	4	906
5	314		300	4	912	320	4	922	340	4	935	360	4	957			
6	330	1	2	120	120	1	2	035	035	1	2	120	120	1	2	035	035
3	350	H		1	29	3	90	3890	99	99							
4	351		1	330													
5	360		0	1	990	10	1	977	30	1	966	50	1	961	70	1	955
5	361		90	1	940	110	2	929	115	2	909	118	2	907	120	2	899
5	362		130	2	885	133	2	891	135	3	935	140	3	945	160	3	935
5	363		180	3	934	200	3	923	220	3	920	240	3	923	260	3	923
5	364		280	3	925	300	3	923	320	3	925	340	3	930	360	3	944
5	365		380	3	959	400	3	964	420	3	973	440	3	989			
6	380	1	2	100	100	1	2	035	035	1	2	035	035				
3	400	I		1	25	3	95	4600	99	99							
4	401		410														
5	410		0	1	1019	10	1	1000	20	1	987	30	1	980	50	1	977
5	411		70	1	977	90	1	979	110	1	982	130	1	990	135	2	992
5	412		140	2	935	142	2	923	145	2	917	150	2	922	155	2	952
5	413		160	2	913	163	2	919	165	2	920	170	3	959	175	3	974
5	414		180	3	933	220	3	1005	240	3	1011	260	3	1017	290	3	1031
6	420	1	2	035	035	1	2	035	035	1	2	035	035				

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 3 RUN DATE=04/21/86 10:54
INPUT SUMMARY FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP

9 CROSS SECTIONS SPECIFIED (OR ASSUMED)
FOUND 9 TYPE 3 CARDS
KEPT 9 CROSS SECTIONS FOR EDITING
9 " " VALID FOR PROPERTY COMPUTATIONS
9 " " " " PROFILE "

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 4 RUN DATE=04/21/86 10:54

CROSS-SECTION PROPERTIES FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP

SECID=A	AT DISTANCE=	0	PART 1 OF 1	
WS	A	K	LEW	REW
70.0	27	1380	193	213
70.2	31	1696	213	217
70.4	35	2041	213	258
70.6	39	2414	192	302
70.8	44	2816	192	349
71.0	48	3246	192	398
71.2	53	3705	168	427
71.4	59	4198	166	461

71.6	65	4728	1.07	33	35	164	216	500
71.8	79	5323	1.31	83	85	89	217	381
72.0	97	6049	1.59	94	96	88	217	442
72.2	117	6880	1.83	104	107	86	217	517
72.4	138	7817	2.04	114	117	85	218	605
72.6	162	8887	2.20	120	123	84	218	719
72.8	186	10092	2.28	123	126	83	219	861
73.0	211	11403	2.32	126	129	82	219	1019
73.2	237	12817	2.34	131	134	81	271	1181
73.4	265	14206	2.46	149	152	79	274	1276
73.6	297	16057	2.52	176	179	78	276	1389
73.8	333	18069	2.60	189	193	76	279	1557
74.0	374	20243	2.69	206	210	75	281	1738
74.2	415	22603	2.75	211	214	74	284	1995
74.4	458	25122	2.78	215	219	72	287	2271
74.6	501	27794	2.81	219	223	71	290	2567
74.8	547	30455	2.87	235	239	68	303	2791
75.0	595	33263	2.94	249	252	64	313	3050
75.2	646	36281	2.98	258	261	60	318	3359
75.4	698	39468	3.02	266	270	56	322	3688
75.6	753	42825	3.06	275	279	52	327	4036
75.8	809	46254	3.10	286	289	47	332	4384
76.0	867	49771	3.15	297	300	40	337	4734
76.2	927	53697	3.16	305	309	36	341	5154
76.4	989	57803	3.17	314	317	32	346	5596
76.6	1052	62042	3.18	322	326	28	350	6049
76.8	1118	66422	3.19	332	336	23	354	6514
77.0	1185	71081	3.19	341	344	18	359	7021
77.2	1254	76017	3.18	348	352	15	363	7570
77.4	1324	81142	3.17	356	360	12	368	8142
77.6	1397	86490	3.15	364	368	9	373	8737
77.8	1470	92069	3.13	373	377	7	380	9354
78.0	1546	97849	3.12	381	385	5	387	9996
78.2	1623	103919	3.10	388	392	4	392	10692
78.4	1701	110274	3.07	394	398	2	396	11444
78.6	1780	116826	3.04	400	404	0	400	12221

$\frac{973}{2360} = \frac{4}{12}$
 $\frac{1450}{.0674} = 21,216$
 $R = K \cdot \frac{1}{2}$
 $K = \frac{1450}{.0674} = 21,216$

USCS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 5 RUN DATE=04/21/86 10:54

CROSS-SECTION PROPERTIES FOR: CROOKED RUN STOKES CO FEHA-LDS X-PROP								
SECID=B AT DISTANCE=			450				PART 1 OF 1	
WS	A	K	ALPHA	B	P	LEW	REW	QC
73.0	775	38304	1.04	52	148	181	302	16673
73.2	785	39005	1.05	54	150	181	303	16653
73.4	797	39749	1.06	55	152	180	303	16631
73.6	809	39102	1.10	65	162	75	304	15386
73.8	825	34682	1.26	109	206	65	304	11514
74.0	852	31938	1.50	160	257	59	304	9109
74.2	886	32965	1.60	176	273	56	305	8939
74.4	922	34731	1.65	183	281	54	305	9153
74.6	966	34181	1.92	232	330	51	305	8064
74.8	1013	36397	1.96	242	340	49	306	8399
75.0	1062	38963	1.98	252	351	47	321	8800
75.2	1114	41744	2.02	270	369	45	322	9038
75.4	1169	44699	2.06	277	376	43	324	9498
75.6	1225	47815	2.03	284	384	41	325	9988
75.8	1282	51450	2.10	287	387	40	327	10598
76.0	1340	55271	2.11	290	389	39	328	11244
76.2	1398	59237	2.12	292	392	38	330	11909
76.4	1457	63346	2.13	295	394	37	332	12589
76.6	1516	67600	2.13	298	397	36	333	13285
76.8	1576	72001	2.14	300	400	35	335	13999
77.0	1636	76550	2.14	303	402	34	337	14730

77.2	1697	81246	2.15	305	405	33	338	15478
77.4	1758	86090	2.15	308	408	32	340	16243
77.6	1820	91084	2.15	311	410	31	342	17025
77.8	1883	96228	2.16	313	413	30	343	17823
78.0	1946	101124	2.16	319	419	26	345	18476
78.2	2010	106185	2.20	325	424	22	347	19148
78.4	2076	111556	2.21	329	429	19	348	19896
78.6	2142	117231	2.21	333	433	17	350	20718
78.8	2209	123139	2.22	336	436	15	351	21579
79.0	2276	129206	2.22	339	439	13	352	22456
79.2	2345	135432	2.22	342	442	11	353	23348
79.4	2413	141818	2.23	345	445	9	354	24255
79.6	2483	148364	2.23	348	448	7	355	25178
79.8	2553	155071	2.23	351	451	5	356	26116
80.0	2623	161939	2.24	354	454	3	357	27070
80.2	2694	168969	2.24	357	457	1	358	28040
80.4	2766	176346	2.24	359	460	0	359	29099
80.5	2802	180187	2.23	360	460	0	360	29670

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 6 RUN DATE=04/21/86 10:54

CROSS-SECTION PROPERTIES FOR: CROOKED RUN STOKES CO FERA-LDS X-PROP								
SECID=C	AT DISTANCE=			1230				PART 1 OF 1
WS	A	K	ALPHA	B	P	LEW	REW	QC
75.0	22	1100	1.00	17	18	301	318	145
75.2	26	1362	1.00	17	18	301	318	177
75.4	29	1649	1.00	18	19	301	318	211
75.6	33	1958	1.00	18	19	300	318	248
75.8	36	2291	1.00	19	20	300	319	288
76.0	40	2643	1.00	19	21	300	319	329
76.2	44	3025	1.00	20	21	300	319	374
76.4	48	3426	1.00	20	22	300	320	420
76.6	54	3870	1.00	50	52	299	437	309
76.8	66	4452	1.26	69	72	299	450	327
77.0	82	5219	1.41	90	92	137	454	373
77.2	103	6170	1.59	120	122	130	458	427
77.4	133	7316	1.88	162	165	123	461	498
77.5	167	8885	1.97	183	185	117	462	648
77.8	213	10689	2.17	271	274	110	463	726
78.0	273	12902	2.41	315	319	103	464	930
78.2	342	15495	2.60	357	360	95	465	1176
78.4	416	18573	2.71	381	385	85	466	1498
78.6	493	22522	2.65	389	392	78	467	1936
78.8	571	26891	2.57	394	397	75	468	2434
79.0	651	31645	2.51	399	402	71	469	2978
79.2	731	36793	2.45	403	406	67	470	3568
79.4	812	42328	2.40	407	411	64	471	4198
79.6	894	48215	2.36	411	415	60	471	4865
79.8	977	54342	2.34	420	423	52	472	5523
80.0	1062	60809	2.33	428	432	44	472	6209
80.2	1148	67701	2.32	434	438	39	473	6957
80.4	1235	75016	2.30	437	441	36	473	7771
80.6	1323	82656	2.28	440	443	34	474	8616
80.8	1411	90617	2.27	442	446	32	474	9490
81.0	1500	98894	2.26	445	449	29	475	10393
81.2	1589	107481	2.25	448	452	27	475	11323
81.4	1679	116374	2.24	451	455	25	476	12281
81.6	1769	125570	2.23	454	458	22	476	13265
81.8	1861	135065	2.23	457	461	20	477	14274
82.0	1952	144891	2.22	460	464	17	477	15290
82.2	2045	154829	2.22	464	468	14	478	16329
82.4	2138	165146	2.22	467	472	11	478	17392
82.6	2232	175751	2.22	471	475	8	479	18478

82.8	2326	186641	2.22	475	479	5	479	19587
83.0	2421	197817	2.23	478	483	2	480	20719
83.1	2469	203509	2.23	480	484	0	480	21293

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 7 RUN DATE=04/21/86 10:54

CROSS-SECTION PROPERTIES FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP
 SECID= 150 AT DISTANCE= 1610 PART 1 OF 1

WS	A	K	ALPHA	B	P	LEW	REW	QC
78.0	77	4245	1.36	64	65	100	296	408
78.2	90	5117	1.40	68	70	99	297	495
78.4	104	6089	1.43	72	74	98	298	590
78.6	119	7161	1.46	76	78	97	299	696
78.8	137	7739	1.81	114	115	97	325	636
79.0	164	8880	2.07	155	157	96	335	666
79.2	202	10297	2.39	217	219	95	345	712
79.4	249	12440	2.50	261	263	94	355	874
79.6	303	15238	2.43	287	289	93	380	1136
79.8	362	18721	2.26	301	303	92	393	1500
80.0	425	22330	2.18	329	331	91	420	1855
80.2	491	26907	2.01	340	342	90	430	2365
80.4	561	31727	1.91	360	362	80	440	2870
80.6	636	36749	1.87	390	392	70	460	3370
80.8	715	42743	1.78	406	408	68	473	4038
81.0	798	49470	1.70	417	419	66	483	4805
81.2	882	56929	1.62	425	427	63	489	5668
81.4	968	64890	1.55	435	435	61	494	6587
81.6	1056	73283	1.50	443	445	57	500	7530
81.8	1146	81901	1.48	458	460	50	508	8462
82.0	1239	91035	1.45	473	475	43	516	9444
82.2	1335	100397	1.43	489	491	38	527	10449
82.4	1434	109998	1.42	506	508	34	540	11483
82.6	1536	121279	1.40	515	517	30	545	12727
82.8	1640	133126	1.38	523	525	27	550	14040
83.0	1745	145190	1.36	531	533	24	555	15400
83.2	1852	158367	1.34	539	541	21	560	16808
83.4	1961	172055	1.33	545	547	18	563	18288
83.6	2071	186230	1.32	553	555	14	567	19799
83.8	2182	200921	1.31	560	562	10	570	21352
84.0	2294	216263	1.30	565	567	8	573	23011
84.2	2408	232110	1.29	570	572	6	577	24714
84.4	2522	248460	1.28	575	578	5	580	26461
84.6	2639	263322	1.28	587	589	3	590	28046
84.8	2757	278716	1.28	599	601	1	600	29685
84.9	2817	288198	1.27	600	602	0	600	30690

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 8 RUN DATE=04/21/86 10:54

CROSS-SECTION PROPERTIES FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP
 SECID=C AT DISTANCE= 2190 PART 1 OF 1

WS	A	K	ALPHA	B	P	LEW	REW	QC
81.0	49	3181	1.00	24	26	208	232	397
81.2	54	3661	1.00	24	26	208	232	453
81.4	58	4170	1.00	25	27	207	232	511
81.6	63	4706	1.00	25	28	207	232	573
81.8	68	5271	1.00	25	29	207	232	637
82.0	74	5862	1.00	26	29	207	232	704
82.2	79	6481	1.00	26	29	207	232	774
82.4	84	7128	1.00	27	30	206	233	846
82.6	89	7801	1.00	27	31	206	233	921

82.8	95	8501	1.00	28	31	205	233	999
83.0	101	9229	1.00	28	32	205	233	1080
83.2	106	10054	1.00	31	34	203	233	1122
83.4	113	10911	1.02	53	37	200	233	1168
83.6	123	11804	1.10	83	87	97	233	814
83.8	147	12814	1.39	155	160	91	280	690
84.0	182	14057	1.82	188	192	86	293	754
84.2	222	15538	2.25	214	218	80	310	855
84.4	271	17227	2.75	272	276	67	368	924
84.6	330	19418	3.18	312	316	55	376	1030
84.8	395	22165	3.46	337	341	45	382	1304
85.0	463	25471	3.54	347	352	38	385	1613
85.2	534	29199	3.52	355	360	33	388	1978
85.4	606	33094	3.50	372	376	29	423	2347
85.6	682	37376	3.45	388	393	24	426	2761
85.8	761	42053	3.38	405	410	20	429	3223
86.0	844	47400	3.24	414	419	18	432	3791
86.2	927	53353	3.09	419	424	16	435	4451
86.4	1011	59699	2.94	424	429	15	438	5164
86.6	1097	66169	2.84	432	437	13	445	5883
86.8	1184	72771	2.76	444	449	11	455	6606
87.0	1274	80003	2.67	453	458	9	463	7417
87.2	1366	87856	2.58	460	465	7	468	9313
87.4	1458	96098	2.49	467	472	5	472	9257
87.6	1552	104731	2.42	474	479	4	477	10245
87.8	1648	113753	2.35	481	486	2	482	11279
88.0	1745	123164	2.30	488	492	0	488	12355
88.2	1843	133095	2.24	492	498	0	492	13517
88.4	1942	143417	2.18	497	503	0	497	14723
88.6	1992	148725	2.16	500	505	0	500	15343

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 9 RUN DATE=04/21/86 10:54

CROSS-SECTION PROPERTIES FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP								
SECID=F	AT DISTANCE=		2756				PART 1 OF 1	
WS	A	K	ALPHA	B	P	LEW	REW	QC
84.0	25	1109	1.00	22	23	29	51	149
84.2	29	1439	1.00	23	24	29	51	190
84.4	34	1803	1.00	23	24	28	51	234
84.6	39	2191	1.00	23	25	28	52	281
84.8	43	2625	1.00	24	25	28	52	331
85.0	48	3083	1.00	24	26	28	52	385
85.2	53	3570	1.00	25	27	28	52	441
85.4	56	4091	1.02	31	33	27	121	452
85.6	65	4663	1.04	33	36	27	122	502
85.8	72	5287	1.06	36	39	27	124	558
86.0	79	5964	1.08	38	41	27	125	620
86.2	87	6697	1.10	41	44	27	126	688
86.4	96	7489	1.12	48	51	26	128	728
86.6	106	8349	1.16	55	58	26	129	780
86.8	118	9180	1.24	67	71	26	137	795
87.0	135	10071	1.40	94	98	26	150	774
87.2	158	11151	1.61	136	140	26	237	760
87.4	190	12547	1.85	191	196	25	243	788
87.6	229	14735	1.90	202	206	25	250	1005
87.8	272	17118	1.95	226	231	25	270	1213
88.0	320	19882	1.94	249	254	25	290	1471
88.2	370	23345	1.85	258	263	24	296	1851
88.4	424	27198	1.78	277	282	24	301	2228
88.6	480	31587	1.70	283	289	24	307	2719
88.8	537	36308	1.63	291	296	23	314	3248
89.0	596	41360	1.57	299	304	23	322	3812
89.2	657	46801	1.52	307	313	23	330	4420

89.4	719	53034	1.46	319	316	22	333	5136
89.6	781	59657	1.41	313	319	22	335	5891
89.8	844	66663	1.37	317	322	21	338	6684
90.0	908	74046	1.33	320	325	21	341	7510
90.2	972	81800	1.31	323	328	21	343	8370
90.4	1037	89921	1.28	326	331	20	346	9261
90.6	1102	98405	1.26	329	334	20	349	10183
90.8	1170	107634	1.25	341	347	9	350	10970
91.0	1238	117426	1.24	344	349	7	351	11946
91.2	1307	127590	1.24	346	352	5	352	12947
91.4	1377	138121	1.23	349	355	4	352	13973
91.6	1447	149013	1.23	351	357	2	353	15024
91.8	1517	160400	1.23	353	359	0	353	16115

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 10 RUN DATE=04/21/86 10:54

SECID=G	AT DISTANCE=		3390	CROOKED RUN	STOKES CO	FEMA-LDS	X-PROP			
	WS	A					K	ALPHA	B	P
86.0	14	582	1.00	13	14	196	209	80		
86.2	16	753	1.00	14	14	195	209	101		
86.4	19	949	1.00	14	15	195	209	126		
86.6	22	1168	1.00	15	16	195	209	153		
86.8	25	1408	1.00	15	16	194	209	182		
87.0	28	1667	1.00	16	17	194	210	213		
87.2	31	1946	1.00	16	18	194	210	247		
87.4	34	2244	1.00	16	18	194	210	282		
87.6	38	2562	1.00	17	19	193	210	320		
87.8	41	2899	1.00	17	19	193	211	360		
88.0	45	3257	1.00	18	20	193	211	402		
88.2	48	3634	1.00	18	21	193	211	446		
88.4	52	4031	1.00	19	21	192	211	492		
88.6	56	4449	1.00	19	22	192	211	540		
88.8	60	4887	1.00	20	22	192	212	590		
89.0	64	5346	1.00	20	23	192	212	643		
89.2	68	5826	1.00	21	24	191	212	698		
89.4	72	6327	1.00	21	24	191	212	755		
89.6	76	6849	1.00	24	27	29	212	777		
89.8	82	7396	1.02	28	32	28	213	777		
90.0	89	7974	1.09	46	50	27	250	673		
90.2	100	8599	1.22	64	68	26	260	642		
90.4	114	9294	1.41	81	86	25	270	648		
90.6	138	10151	1.77	135	139	24	280	592		
90.8	168	11187	2.24	174	179	23	287	627		
91.0	212	12414	2.90	238	242	22	293	665		
91.2	264	13974	3.62	279	284	21	300	766		
91.4	321	15923	4.10	285	289	19	304	953		
91.6	378	18111	4.39	290	295	18	308	1168		
91.8	437	20535	4.54	296	301	16	312	1412		
92.0	497	23190	4.59	302	306	14	316	1687		
92.2	557	26075	4.57	308	312	13	320	1992		
92.4	619	29223	4.49	312	317	11	323	2335		
92.6	682	32607	4.39	316	321	10	326	2713		
92.8	746	36227	4.27	320	325	9	329	3127		
93.0	810	40071	4.14	324	329	8	332	3572		
93.2	876	44138	4.02	328	332	8	335	4049		
93.4	941	48428	3.90	331	336	7	338	4558		
93.6	1008	52999	3.78	334	339	6	341	5106		
93.8	1075	57848	3.66	337	342	6	343	5694		
94.0	1143	62915	3.55	339	344	5	345	6310		
94.2	1211	68198	3.46	342	347	5	346	6955		
94.4	1280	73695	3.37	344	349	4	348	7627		
94.6	1349	79405	3.28	347	352	3	350	8326		

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 11 RUN DATE=04/21/86 10:54

CROSS-SECTION PROPERTIES FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP
 SECID=G AT DISTANCE= 3390 PART 2 OF 2
 WS A K ALPHA B P LEW REV QC

95.0	1488	91463	3.14	352	357	2	354	9801
95.2	1559	97908	3.08	354	359	1	355	10576
95.4	1630	104364	3.02	357	362	1	357	11376
95.6	1702	111136	2.97	359	364	0	359	12200
95.7	1738	114617	2.94	360	365	0	360	12630

CROSS-SECTION PROPERTIES FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP
 SECID=H AT DISTANCE= 3890 PART 1 OF 2
 WS A K ALPHA B P LEW REV QC

90.0	12	443	1.00	14	15	120	134	62
90.2	15	611	1.00	15	15	119	134	84
90.4	18	803	1.00	15	16	119	134	108
90.6	21	1017	1.00	16	17	118	134	135
90.8	24	1204	1.00	18	19	117	134	159
91.0	28	1436	1.00	20	21	115	134	188
91.2	32	1750	1.00	20	22	114	134	227
91.4	36	2092	1.00	21	22	114	135	268
91.6	40	2461	1.00	21	23	113	135	311
91.8	44	2858	1.00	22	24	113	135	358
92.0	49	3283	1.00	23	25	112	135	408
92.2	56	3761	1.00	50	52	112	233	325
92.4	72	4379	1.35	116	118	111	310	276
92.6	106	5410	1.69	154	157	111	324	352
92.8	132	6876	1.74	166	169	110	332	506
93.0	167	8734	1.68	180	183	108	340	702
93.2	204	11042	1.58	190	193	105	343	952
93.4	243	13694	1.47	201	204	101	346	1242
93.6	287	16321	1.51	230	233	97	349	1483
93.8	334	19824	1.44	241	244	94	351	1858
94.0	383	23706	1.39	252	255	90	354	2271
94.2	433	27968	1.36	263	266	87	357	2725
94.4	488	32608	1.33	273	276	85	360	3216
94.6	544	37806	1.30	281	284	82	363	3769
94.8	601	43552	1.27	286	289	79	365	4379
95.0	658	49676	1.25	291	295	77	368	5019
95.2	717	56173	1.24	297	300	74	371	5689
95.4	777	63037	1.22	302	305	71	373	6387
95.6	838	70233	1.22	309	313	67	376	7086
95.8	901	77770	1.22	319	322	60	379	7784
96.0	966	85236	1.22	331	334	53	384	8463
96.2	1033	92634	1.23	346	349	46	392	9119
96.4	1104	100425	1.24	362	365	38	400	9804

USGS COMPUTER PROGRAM J635 -- VERSION P-86.001 *** PAGE = 12 RUN DATE=04/21/86 10:54

CROSS-SECTION PROPERTIES FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP
 SECID=H AT DISTANCE= 3890 PART 2 OF 2
 WS A K ALPHA B P LEW REV QC

96.6	1178	109308	1.25	374	378	30	404	10589
96.8	1253	118570	1.26	383	386	26	409	11480
97.0	1331	128422	1.26	391	394	23	413	12403

97.2	1410	138564	1.27	399	402	19	418	23358
97.4	1490	149355	1.27	406	409	15	421	14367
97.6	1572	160795	1.27	412	415	12	424	15427
97.8	1655	172668	1.28	417	421	9	426	16542
98.0	1739	184970	1.28	421	425	8	429	17714
98.2	1823	197660	1.28	425	429	6	431	18917
98.4	1909	210736	1.28	429	433	5	434	20150
98.6	1995	224196	1.29	433	437	3	436	21414
98.8	2082	238040	1.29	437	441	2	439	22707
99.0	2170	252764	1.29	440	444	0	440	24069

CROSS-SECTION PROPERTIES FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP

SECID=I AT DISTANCE= 4600 PART 1 OF 2

WS	A	K	ALPHA	B	P	LEW	REW	QC
95.0	77	5798	1.00	30	33	139	169	699
95.2	83	6505	1.00	31	34	138	169	778
95.4	89	7245	1.00	31	34	138	169	860
95.6	96	8019	1.00	32	35	138	170	946
95.8	102	8827	1.00	32	35	138	170	1035
96.0	109	9695	1.00	33	36	138	170	1123
96.2	115	10628	1.00	33	37	138	171	1211
96.4	122	11598	1.01	34	38	137	172	1301
96.6	129	12606	1.01	35	39	137	172	1394
96.8	136	13653	1.01	36	40	137	173	1490
97.0	143	14739	1.02	37	41	137	174	1590
97.2	151	15865	1.02	38	42	137	174	1692
97.4	158	17031	1.03	38	43	137	175	1798
97.6	166	18241	1.03	39	44	136	176	1911
97.8	177	19513	1.06	77	81	43	176	1478
98.0	195	20976	1.15	107	112	30	177	1387
98.2	219	22703	1.27	124	129	27	177	1459
98.4	244	24718	1.36	133	138	24	178	1612
98.6	272	26977	1.43	141	146	21	178	1789
98.8	301	29491	1.47	149	154	19	179	1995
99.0	331	32260	1.50	156	162	18	179	2230
99.2	363	35274	1.52	164	169	16	180	2491
99.4	396	38663	1.52	169	174	15	183	2790
99.6	431	42295	1.53	177	183	13	190	3086
99.8	467	46287	1.52	185	191	12	197	3413

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 13 RUN DATE=04/21/86 10:54

CROSS-SECTION PROPERTIES FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP

SECID=I AT DISTANCE= 4600 PART 2 OF 2

WS	A	K	ALPHA	B	P	LEW	REW	QC
100.0	505	50599	1.51	193	199	10	203	3769
100.2	544	55260	1.49	201	207	9	210	4160
100.4	585	60231	1.47	209	214	8	217	4578
100.6	628	65513	1.46	216	222	7	223	5022
100.8	672	71111	1.44	224	230	6	230	5493
101.0	717	77029	1.43	232	238	5	237	5991
101.2	765	83271	1.41	240	245	4	243	6516
101.4	813	89843	1.40	247	253	3	250	7069
101.6	864	96749	1.39	255	261	2	257	7649
101.8	915	104062	1.38	262	267	1	262	8282
102.0	968	111876	1.36	266	272	0	266	8981
102.2	1022	120122	1.34	271	277	0	271	9722
102.4	1076	128699	1.33	275	281	0	275	10490
102.6	1132	137607	1.31	279	286	0	279	11283
102.8	1188	146848	1.30	284	290	0	284	12102
103.0	1245	156422	1.29	288	295	0	288	12947

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 14 RUN DATE=04/21/86 10:54

PAGE 1 OF PROFILE NOTES FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP
 PROFILE NUMBER 1, UPSTREAM COMPUTATIONS

SECID; ERROR(WARNING) MESSAGE; INTERMEDIATE RESULTS(IF ANY); ACTION TAKEN

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B ; KU/KD < 0.7 OR > 1.4 ; ALERTEO USER
C ; FRON FAILURE ; WS = 77.89 * FR = 1.06; USED HIGHER WS
; ;
C ; WS NOT FOUND BETWEEN ; WS = 75.44 * WS = 83.10; USED DEL = 0.25
; ;
C ; FRON FAILURE ; WS = 77.88 * FR = 1.06; USED HIGHER WS
; ;
C ; WS NOT FOUND BETWEEN ; WS = 75.44 * WS = 83.10; USED WSMIN = WSC
; ;
C ; WS NOT FOUND ; ASSUMED WS = WSC
150; KU/KD < 0.7 OR > 1.4 ; ALERTEO USER
E ; FRON FAILURE ; WS = 83.23 * FR = 1.17; USED HIGHER WS
; ;
E ; WS NOT FOUND BETWEEN ; WS = 80.11 * WS = 88.50; USED DEL = 0.25
; ;
E ; FRON FAILURE ; WS = 83.23 * FR = 1.17; USED HIGHER WS
; ;
E ; WS NOT FOUND BETWEEN ; WS = 80.11 * WS = 88.50; USED WSMIN = WSC
; ;
E ; WS NOT FOUND ; ASSUMED WS = WSC
I ; KU/KD < 0.7 OR > 1.4 ; ALERTEO USER
    
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USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 15 RUN DATE=04/21/86 10:54

WATER-SURFACE PROFILE FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP
 PAGE 1 OF 1, PROFILE NUMBER 1, UPSTREAM COMPUTATIONS

SECID	AT	WS ELEV	HV	HF	HE	EG	V	FN	ACC	REW	ID
A	AT	74.30	0	0	1430.	437.	23843.	2.77	73.	286.	*IS*
		0.46			14.76	3.28	0.54				
B	AT	75.54	450	450	1430.	1208.	46871.	2.08	42.	325.	*XS*
		0.05	0.82	0.00	75.59	1.18	0.08	0.00			
C	AT	78.39	1230	780	1430.	410.	18300.	2.71	86.	466.	*XS*
		0.51	*****	*****	78.90	3.48	0.67	*****			
150	AT	1510	390		1430.	493.	27042.	2.01	90.	430.	

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80.21 / 0.26 / 1.57 / 0.00 / 80.47 / 2.90 / 0.36 / 0.001 *XS*
-----
E AT 2190 / 580 / 1380. / 376. / 21334. / 3.39 / 48. / 381.
84.74 / 0.71 / ***** / ***** / 35.45 / 3.67 / 0.58 / ***** *XS*
-----
F AT 2750 / 560 / 1380. / 257. / 16291. / 1.94 / 23. / 263.
87.73 / 0.87 / 3.07 / 0.08 / 88.60 / 5.36 / 0.74 / 0.000 *XS*
-----
G AT 3390 / 640 / 1380. / 405. / 19195. / 4.47 / 17. / 310.
91.69 / 0.81 / 3.90 / 0.00 / 92.50 / 3.41 / 0.64 / 0.001 *XS*
-----
H AT 3890 / 500 / 1330. / 412. / 26071. / 1.37 / 88. / 356.
94.11 / 0.22 / 1.83 / 0.00 / 94.34 / 3.23 / 0.40 / 0.001 *XS*
-----
I AT 4600 / 710 / 610. / 119. / 11171. / 1.00 / 137. / 171.
96.31 / 0.41 / 2.29 / 0.09 / 96.72 / 5.13 / 0.47 / 0.000 *XS*
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END OF THIS PROFILE

USGS COMPUTER PROGRAM J635 -- VERSION P-84.001 *** PAGE = 16 RUN DATE=04/21/86 10:54

COMPUTED WSC VALUES FOR: CROOKED RUN STOKES CO FEMA-LDS X-PROP
 PROFILE NUMBER 1, UPSTREAM COMPUTATIONS

SECID	C	E
WSC	78.39	84.74

0
1