
HYDROLOGIC DATA

Table 4. Snowpack measurements, Spring Creek area

[Depth and snowpack-water content rounded to nearest 0.5 inch; -, no measurement; U, unfrozen soil; F, frozen soil; N, soil-water-content measurements also made at site—for example, Nil is representative of neutron-scattering technique and the soil-water-access tube number, and T is time-domain-reflectometry technique; B, bulk snow sample; W, wet soil (visible water in soil); M, moist soil, adheres to snow tube or rule]

Hillslope-transect site	Depth (inches)	Snowpack-water content (inches)	Density (percent)	Remarks
MEASUREMENT DATE: 01-30-89				
SCA-085	0.0	--	--	U (1 inch) over F; Nil
SCA-255	0.0	--	--	U (2 inch) over F; N12
SCA-452	4.5	2.0	39	B, F, N15
SCA-627	5.0	2.0	36	B, N1
SCA-805	3.5	1.5	36	B, N2
SCA-898	4.5	2.0	36	B, N3
SCA-970	5.5	2.0	36	B, N4
SCA-1029	8.0	3.0	36	B, N5
MEASUREMENT DATE: 03-02-89¹				
SCA-085	0.0	--	--	F, N11
SCA-255	0.0	--	--	F, N12
SCA-452	1.5	0.5	25	B, N15
SCA-627	2.0	0.5	31	B, N1
SCA-805	4.5	1.5	31	B, U, W, N2
SCA-898	5.0	1.5	31	B, N3
SCA-970	4.0	1.0	31	B, N4
SCA-1029	4.0	1.0	31	B, N5
MEASUREMENT DATE: 12-20-89				
SCA-000	10.5	--	--	
SCA-085	10.5	--	--	F, N11, T
SCA-150	10.5	--	--	
SCA-250	15.5	--	--	T
SCA-255	16.0	--	--	U, M, N15
SCA-350	16.5	--	--	
SCA-450	14.5	--	--	T
SCA-452	15.0	--	--	U, M, N15
SCA-550	12.0	--	--	
SCA-620	11.5	--	--	T
SCA-627	13.0	--	--	U, M, N1
SCA-700	13.5	--	--	
SCA-800	13.0	--	--	T
SCA-805	16.5	--	--	U, M, N2
SCA-898	15.5	--	--	N3
SCA-960	14.0	--	--	T
SCA-970	13.5	--	--	U, M, N4
SCA-1029	13.0	--	--	N5
SCA-1200	12.0	--	--	

Table 4. Snowpack measurements, Spring Creek area-Continued

Hillslope-transect site	Depth (inches)	Snowpack-water content (inches)	Density (percent)	Remarks
MEASUREMENT DATE: 01-23-90				
SCA-000	0.0	--	--	F
SCA-085	0.5	--	--	F, N11, T
SCA-150	0.0	--	--	F
SCA-250	1.0	--	--	F, T
SCA-255	0.0	--	--	F at least 4 inches deep; N12
SCA-350	5.5	--	--	F
SCA-450	4.5	--	--	F, T
SCA-452	0.0	--	--	F at least 3 inches deep; N15
SCA-550	0.5	--	--	F
SCA-620	1.0	--	--	F, T
SCA-627	1.5	--	--	F at least 4 inches deep; N1
SCA-700	2.5	--	--	F
SCA-800	2.5	--	--	F, T
SCA-805	5.5	1.0	19	B, F at least 2 inches deep; N2
SCA-898	6.0	1.0	19	B, F, N3
SCA-960	5.0	--	--	F, T
SCA-970	7.5	1.5	19	B, F (1 inch) over U, M; N4
SCA-1029	5.0	1.0	19	B, F, N5
SCA-1200	4.5	1.0	19	B, F
MEASUREMENT DATE: 03-06-90₂				
SCA-000	2.0	--	--	U, W
SCA-085	2.0	--	--	U, W, N11, T
SCA-150	2.5	--	--	U, W
SCA-250	5.5	--	--	T
SCA-255	3.5	--	--	U, W, N12
SCA-350	4.5	--	--	U, W
SCA-450	6.5	--	--	U, W, T
SCA-452	5.5	--	--	U, W, N15
SCA-550	4.0	--	--	U, W
SCA-620	5.0	--	--	T
SCA-627	6.5	--	--	U, W, N1
SCA-700	3.0	--	--	U, W
SCA-800	3.0	--	--	T
SCA-805	6.0	--	--	U, W, N2
SCA-898	5.5	--	--	U, W, N3
SCA-960	2.0	--	--	T
SCA-970	4.0	--	--	U, W, N4
SCA-1029	3.5	--	--	N5
SCA-1200	1.0	--	--	

Table 4. Snowpack measurements, Spring Creek area-Continued

Hillslope-transect site	Depth (inches)	Snowpack-water content (inches)	Density (percent)	Remarks
MEASUREMENT DATE: 12-20-89				
SCB-550	13.5	--	--	
SCB-650	13.5	--	--	U, M, T
SCB-750	12.5	--	--	
SCB-850	12.5	--	--	
SCB-950	10.0	--	--	U, M, T
MEASUREMENT DATE: 01-23-90				
SCB-550	0.0	--	--	F
SCB-650	1.0	--	--	F, T
SCB-750	1.5	--	--	F
SCB-850	7.0	--	--	F
SCB-950	4.5	--	--	F, T
MEASUREMENT DATE: 03-06-90²				
SCB-550	2.5	--	--	U, W
SCB-650	3.0	--	--	U, W, T
SCB-750	3.0	--	--	U, W
SCB-850	2.5	--	--	U, W
SCB-950	0.5	--	--	U, W, T
MEASUREMENT DATE: 12-20-89				
SCC-000	12.5	--	--	U
SCC-100	12.5	--	--	
SCC-210	12.5	--	--	U, T
SCC-300	10.0	--	--	
SCC-400	13.5	--	--	U
SCC-450	8.5	--	--	U, T
SCC-500	11.5	--	--	U
SCC-600	10.5	--	--	U
SCC-660	14.5	--	--	U, T
SCC-700	9.5	--	--	U
MEASUREMENT DATE: 01-23-90				
SCC-000	0.0	--	--	F
SCC-100	0.0	--	--	F
SCC-210	0.0	--	--	F, T
SCC-300	0.0	--	--	F
SCC-400	0.5	--	--	F
SCC-450	0.0	--	--	F, T
SCC-500	4.0	--	--	F

Table 4. Snowpack measurements, Spring Creek area-Continued

Hillslope-transect site	Depth (inches)	Snowpack-water content (inches)	Density (percent)	Density (percent)
MEASUREMENT DATE: 01-23-90-Continued				
SCC-600	1.5	--	--	F
SCC-660	5.5	--	--	F, T
SCC-700	1.5	--	--	F
MEASUREMENT DATE: 03-06-90²				
SCC-000	6.0	--	--	
SCC-100	3.5	--	--	
SCC-210	5.5	--	--	U, W, T
SCC-300	3.5	--	--	U, W
SCC-400	6.5	--	--	
SCC-450	1.5	--	--	U, W, T
SCC-500	3.5	--	--	
SCC-600	2.5	--	--	
SCC-660	7.0	--	--	U, W, T
SCC-700	1.5	--	--	

¹Snowpack completely melted at all Spring Creek sites by March 16, 1989.

²Snowpack completely melted at all Spring Creek sites by March 19, 1990.

Table 5. Snowpack measurements, Cow Camp Creek area

[Depth and snowpack-water content rounded to nearest 0.5 inch; --, no measurement; U, unfrozen soil; M, moist soil, adheres to snow tube or ruler; N, soil-water-content measurements also made at site—for example, N14 is representative of neutron-probe technique and the soil-water-access tube number, and T is time-domain-reflectometry technique; W, wet soil (visible water in soil); F, frozen soil]

Hillslope-transect site	Depth (inches)	Snowpack-water content (inches)	Density (percent)	Remarks
MEASUREMENT DATE: 01-31-89				
CCA-425	13.5	4.0	30	U, M
CCA-451	16.5	4.0	24	U, M, N14
CCA-569	13.0	3.5	27	U, M, N4
CCA-567	11.0	2.5	23	U, M, N5
MEASUREMENT DATE: 03-02-89				
CCA-425	19.5	6.0	31	U, W
CCA-451	21.5	7.0	33	U, W, N14
CCA-569	17.0	5.0	29	U, W, N4
CCA-567	12.0	4.5	38	U, W, N5
MEASUREMENT DATE: 03-22-89¹				
CCA-425	0.0	-	--	U, W
CCA-451	0.0	--	--	U, W, N14
CCA-569	0.0	--	--	U, W, N4
CCA-567	0.0	--	--	U, W, N5
MEASUREMENT DATE: 12-20-89				
CCA-000	16.0	--	--	U, M
CCA-100	14.5	--	--	U, M
CCA-200	11.5	--	--	U, M, T
CCA-300	17.0	--	--	U, M
CCA-400	18.0	--	--	U, M, T
CCA-425	16.5	--	--	U, M
CCA-451	15.5	--	--	U, M, N14
CCA-500	14.0	--	--	U, M
CCA-569	14.5	--	--	U, M, N14, T
CCA-567	14.5	--	--	U, M, N5
CCA-602	10.0	--	--	U, W
CCA-650	16.5	--	--	U, M, T
CCA-700	14.0	--	--	U, M
CCA-800	15.5	--	--	U, M
MEASUREMENT DATE: 12-21-89				
CCA-000	15.0	3.0	20	U, M
CCA-100	13.0	4.0	31	U, M
CCA-200	12.0	1.5	12	U, M, T
CCA-300	17.0	3.5	21	U, M
CCA-400	16.5	3.5	21	U, M, T

Table 5. Snowpack measurements, Cow Camp Creek area-Continued

Hillslope-transect site	Depth (inches)	Snowpack- water content (inches)	Density (percent)	Remarks
MEASUREMENT DATE: 12-21-89-Continued				
CCA-425	--	--	--	
CCA-451	14.0	2.5	18	U, M, N14
CCA-500	12.5	2.5	20	U, M
CCA-569	13.5	2.5	18	U, M, N4, T
CCA-567	14.0	3.0	21	U, M, N5
CCA-602	9.5	1.5	16	U, M
CCA-650	14.0	2.0	14	U, M, T
CCA-700	12.5	1.5	12	U, M
CCA-800	14.5	2.5	17	U, M
MEASUREMENT DATE: 01-22-90				
CCA-000	10.5	--	--	
CCA-100	9.5	--	--	
CCA-200	8.5	--	--	T
CCA-300	11.0	--	--	
CCA-400	14.5	--	--	T
CCA-451	12.5	--	--	F, N14
CCA-500	11.5	--	--	
CCA-569	10.5	--	--	U, M, N4, T
CCA-567	11.0	--	--	U, M, N5
CCA-602	8.0	--	--	
CCA-650	11.5	--	--	T
CCA-700	10.0	--	--	
CCA-800	12.0	--	--	
MEASUREMENT DATE: 01-23-90				
CCA-200	9.0	2.0	22	T
CCA-400	14.5	3.5	24	U, T
CCA-451	11.5	3.0	26	F, N14
CCA-569	10.0	3.0	30	U, N4, T
CCA-567	9.0	2.0	22	U, N5
CCA-650	9.5	3.0	32	T
MEASUREMENT DATE: 03-06-90				
CCA-000	16.0	--	--	
CCA-100	10.5	--	--	U
CCA-200	15.0	4.0	27	U, T
CCA-300	14.5	--	--	U
CCA-400	19.5	5.5	28	U, M, T
CCA-451	14.0	3.0	21	U, M, N14

Table 5. Snowpack measurements, Cow Camp Creek area-Continued

Hillslope-transect site	Depth (inches)	Snowpack-water content (inches)	Density (percent)	Remarks
MEASUREMENT DATE: 03-06-90-Continued				
CCA-500	12.0	--	--	U, M
CCA-569	13.5	3.0	22	U, M, N4, T
CCA-567	6.5	--	--	U, M, N5
CCA-602	16.5		--	U
CCA-650	10.0	2.5	25	U, T
CCA-700	10.0	--	--	U
CCA-800	18.5	--	--	U
MEASUREMENT DATE: 03-19-90²				
CCA-000	5.5	--	--	U, W
CCA-100	0.0	--	--	U, M
CCA-200	7.5	--	--	U, W, T
CCA-300	0.0	--	--	U, W
CCA-400	9.0	--	--	U, W, T
CCA-451	4.5	--	--	U, W, N14
CCA-500	1.5	--	--	U, W
CCA-569	5.0	--	--	U, W, N4, T
CCA-567	0.0	--	--	U, W, N5
CCA-602	8.5	--	--	U, W
CCA-650	0.0	--	--	T
CCA-700	0.0	--	--	U, W
CCA-800	11.0	--	--	U, W
MEASUREMENT DATE: 01-31-89				
CCB-407	18.5	5.0	27	U, M, N11
CCB-429	14.5	3.5	24	U, M, N12
MEASUREMENT DATE: 03-02-89				
CCB-407	26.0	8.0	31	U, W, N11
CCB-429	15.0	5.0	33	U, W, N12
MEASUREMENT DATE: 03-22-89¹				
CCB-407	14.5	--	--	U, W, N11
CCB-429	4.5	--	--	U, W, standing water, N12
MEASUREMENT DATE: 12-21-89				
CCB-000	5.0	--	--	F
CCB-100	14.5	--	--	U, M
CCB-200	13.5	--	--	U, M, T
CCB-300	13.5	--	--	U
CCB-350	10.0	--	--	U

Table 5. Snowpack measurements, Cow Camp Creek area-Continued

Hillslope-transect site	Depth (inches)	Snowpack-water content (inches)	Density (percent)	Remarks
MEASUREMENT DATE: 12-21-89-Continued				
CCB-400	14.0	1.0	7	U, M, T
CCB-401	11.5	1.0	9	100 feet east of CCB-400; U
CCB-402	20.0	3.0	15	100 feet west of CCB-400; U
CCB-407	15.5	2.0	13	U, M, N11, T
CCB-429	17.0	—	—	U, M, N12
CCB-450	15.0	—	—	U
CCB-510	15.5	—	—	U
CCB-600	16.5	—	—	U
MEASUREMENT DATE: 01-22-90				
CCB-000	4.0	—	—	F
CCB-100	12.5	—	—	
CCB-200	9.0	—	—	T
CCB-300	6.5	—	—	
CCB-350	7.5	—	—	
CCB-400	9.5	—	—	T
CCB-401	7.5	—	—	
CCB-402	16.5	—	—	
CCB-407	11.5	—	—	N11, T
CCB-429	14.0	—	—	N12
CCB-450	14.5	—	—	
CCB-510	12.5	—	—	
CCB-600	15.0	—	—	
MEASUREMENT DATE: 01-23-90				
CCB-200	8.0	2.5	31	T
CCB-400	10.0	2.0	20	U, T
CCB-401	10.0	2.5	25	
CCB-402	15.5	3.0	19	U, M
CCB-407	12.0	3.0	25	N11, T
CCB-429	13.0	3.0	23	U, W, N12
MEASUREMENT DATE: 03-06-90				
CCB-000	0.0	—	—	U, M
CCB-100	16.0	—	—	U
CCB-200	10.5	—	—	U, T
CCB-300	7.0	—	—	U
CCB-350	5.5	—	—	U
CCB-400	12.5	3.5	28	U, T
CCB-401	7.0	—	—	U

Table 5. Snowpack measurements, Cow Camp Creek area-Continued

Hillslope-transect site	Depth (inches)	Snowpack-water content (inches)	Density (percent)	Remarks
MEASUREMENT DATE: 03-06-90-Continued				
CCB-402	20.0	4.5	22	U
CCB-407	23.5	6.5	28	U, M, N11, T
CCB-429	15.5	--	--	U, M, N12
CCB-450	11.0	--	--	U
CCB-510	11.0	--	--	U
CCB-600	18.5	--	--	U
MEASUREMENT DATE: 03-19-90²				
CCB-000	0.0	--	--	U, W
CCB-100	0.0	--	--	U, W
CCB-200	0.0	--	--	U, W, T
CCB-300	0.0	--	--	U, M
CCB-350	0.0	--	--	U, M
CCB-400	0.0	--	--	U, M, T
CCB-401	0.0	--	--	U, M
CCB-402	14.5	--	--	U, W
CCB-407	6.5	--	--	U, W, N11, T
CCB-429	11.0	--	--	U, W, N12
CCB-450	1.0	--	--	U, W
CCB-510	0.0	--	--	U, W
CCB-600	11.5	--	--	U, W

¹Snowpack completely melted at all Cow Camp Creek sites by April 5, 1989.

²Snowpack completely melted at all Cow Camp Creek sites between March 19, 1990, and April 23, 1990.

Table 6. Soil-water-content measurements using neutron-scattering technique, Spring Creek area

[Soil-water content in percent by volume; Nil, neutron-scattering technique and number (for example, 11) is soil-water-access tube number; --, no measurement]

Measurement date	Measurement Depth (feet)								
	1	2	3	4	5	6	7	8	9
HILLSLOPE-TRANSECT SITE SCA-085 (N11)									
11-16-88	9.3	10.8	11.8	12.1	12.5	12.2	12.2	12.8	--
12-12-88	10.1	11.2	12.2	12.4	13.0	12.0	12.5	13.0	--
01-30-89	10.6	11.8	12.2	12.6	12.8	12.4	12.6	12.9	--
03-01-89	10.8	11.5	12.2	12.5	12.4	12.0	12.3	12.7	--
03-21-89	11.3	11.9	12.1	12.6	12.7	12.0	12.3	13.0	--
04-04-89	11.2	12.0	12.2	12.4	12.5	12.0	12.1	12.6	--
05-09-89	10.3	12.3	12.5	12.8	12.9	12.1	12.5	12.9	--
06-07-89	8.6	11.8	12.3	12.8	12.8	12.0	12.4	13.0	--
07-19-89	7.2	10.8	11.3	12.4	12.6	11.8	12.2	12.6	--
08-31-89	7.0	10.6	10.7	11.7	12.5	11.3	12.2	13.0	--
10-03-89	7.2	10.5	10.9	11.5	11.5	10.9	11.9	12.9	--
11-14-89	7.5	10.7	10.9	11.9	11.7	11.1	12.0	12.7	--
12-20-89	7.3	10.5	10.7	11.6	11.7	10.8	11.6	12.2	--
01-23-90	7.6	10.6	10.9	11.7	12.1	11.0	11.9	12.2	--
03-05-90	7.8	10.7	11.1	11.7	11.8	11.2	11.8	12.4	--
05-22-90	9.6	11.4	11.2	12.0	12.0	11.0	11.8	12.3	--
HILLSLOPE-TRANSECT SITE SCA-2S5 (N12)									
11-16-88	12.3	11.6	8.5	7.8	5.2	3.8	3.4	6.3	--
12-12-88	15.4	12.1	9.1	8.1	5.4	3.7	3.8	7.0	--
01-30-89	18.7	16.8	16.7	8.8	5.7	3.7	3.6	7.8	--
03-01-89	19.6	18.9	21.5	10.7	6.2	3.9	3.8	12.9	--
03-21-89	18.7	17.4	21.2	10.4	6.0	3.9	4.0	12.8	--
04-04-89	18.1	17.1	20.1	10.4	5.8	3.8	3.8	12.5	--
05-09-89	15.1	16.7	19.3	10.2	6.0	3.9	3.9	12.6	--
06-07-89	11.8	14.2	16.1	9.6	5.7	3.9	3.9	11.9	--
07-19-89	9.8	10.9	8.9	8.2	5.3	3.9	3.8	11.6	--
08-31-89	10.1	10.6	8.6	6.9	4.6	3.6	3.7	10.2	--
10-03-89	10.3	10.3	8.6	6.6	4.6	3.7	3.8	9.3	--
11-14-89	10.5	10.5	8.8	6.8	4.6	3.5	3.5	8.8	--
12-20-89	11.3	10.7	8.9	7.2	4.6	3.6	3.8	9.0	--
01-23-90	15.3	13.7	10.4	7.0	4.7	3.6	3.7	9.0	--
03-05-90	18.3	16.9	10.4	7.4	4.8	3.5	3.6	9.2	--
05-22-90	15.1	14.4	13.7	8.2	4.9	3.7	3.7	9.3	--
HILLSLOPE-TRANSECT SITE SC-452 (N15)									
11-16-88	18.9	15.0	13.7	14.7	13.6	14.0	--	--	--
12-12-88	19.2	15.2	14.1	14.7	14.0	14.2	--	--	--
01-30-89	20.5	18.8	18.0	16.3	14.4	14.6	--	--	--

Table 6. Soil-water-content measurements using neutron-scattering technique, Spring Creek area—Continued

Measurement date	Measurement depth (feet)								
	1	2	3	4	5	6	7	8	9
HILLSLOPE-TRANSECT SITE SCA-452 (N15)-Continued									
03-01-89	20.9	22.3	19.4	18.6	17.8	16.4	--	--	--
03-21-89	20.3	18.9	18.6	18.0	17.5	17.6	--	--	--
04-04-89	19.4	18.6	18.0	17.3	16.7	17.3	--	--	--
05-09-89	19.4	19.1	18.1	17.6	17.4	17.2	--	--	--
06-07-89	16.8	18.1	17.7	17.5	16.5	17.0	--	--	--
07-19-89	13.9	14.0	13.9	15.4	16.2	16.6	--	--	--
08-31-89	13.2	12.6	12.1	13.5	14.1	15.8	--	--	--
10-03-89	12.6	12.5	12.0	13.7	14.0	15.0	--	--	--
11-14-89	12.5	12.3	12.6	14.4	14.1	15.2	--	--	--
12-20-89	12.8	12.5	13.0	14.2	14.0	14.9	--	--	--
01-23-90	17.7	13.2	13.1	14.3	14.1	15.0	--	--	--
03-05-90	19.4	19.7	18.9	18.6	18.0	18.0	--	--	--
05-22-90	18.5	18.9	17.8	17.4	16.9	16.8	--	--	--
HILLSLOPE-TRANSECT SITE SCA-627 (N1)									
11-16-88	19.5	19.5	20.0	18.8	18.0	14.8	--	--	--
12-12-88	20.0	20.3	19.7	18.5	17.5	14.7	--	--	--
01-30-89	20.4	20.4	20.1	18.8	18.0	15.0	--	--	--
03-01-89	20.4	20.1	20.4	18.7	18.0	15.4	--	--	--
03-21-89	20.5	20.4	20.4	18.6	17.7	14.6	--	--	--
04-04-89	20.0	19.7	20.0	18.5	17.4	14.4	--	--	--
05-09-89	19.5	20.6	20.6	18.6	17.7	14.8	--	--	--
06-07-89	17.5	20.0	20.3	18.5	17.5	14.4	--	--	--
07-19-89	15.7	17.2	19.3	17.3	17.5	14.5	--	--	--
08-31-89	14.9	16.4	19.2	17.6	17.2	14.6	--	--	--
10-03-89	15.5	17.4	19.8	17.7	17.4	14.4	--	--	--
11-14-89	15.0	17.1	19.6	17.5	17.5	14.7	--	--	--
12-20-89	17.0	17.0	18.9	17.0	17.1	14.4	--	--	--
01-23-90	19.0	19.6	19.9	17.5	17.5	14.3	--	--	--
03-05-90	19.9	20.4	20.7	18.3	17.8	15.1	--	--	--
05-22-90	19.6	20.6	20.7	18.5	18.0	15.0	--	--	--
HILLSLOPE-TRANSECT SITE SCA-805 (N2)									
11-16-88	13.6	12.7	16.2	17.3	14.3	17.8	12.1	10.1	--
12-12-88	17.2	13.0	16.3	17.1	14.5	17.6	12.4	10.2	--
01-30-89	20.0	18.3	16.7	17.1	14.2	17.9	13.1	10.7	--
03-01-89	20.4	20.5	19.5	17.5	14.3	17.9	12.7	10.6	--
03-21-89	20.3	20.6	20.7	19.1	18.2	20.0	14.0	11.7	--
04-04-89	20.2	20.1	20.1	19.0	18.0	19.7	13.8	11.6	--
05-09-89	19.8	20.0	20.2	19.1	18.1	19.7	13.8	11.6	--
06-07-89	15.1	16.4	19.9	18.7	17.8	19.5	13.7	11.4	--

Table 6. Soil-water-content measurements using neutron-scattering technique, Spring Creek area—Continued

Measurement date	Measurement depth (feet)								
	1	2	3	4	5	6	7	8	9
HILLSLOPE-TRANSECT SITE SCA-805 (N2)-Continued									
07-19-89	12.7	12.6	15.1	17.8	16.9	19.2	13.5	11.0	--
08-31-89	12.7	12.2	13.8	16.4	14.8	19.0	13.5	11.1	--
10-03-89	12.5	12.2	13.8	16.0	15.0	18.9	13.2	10.8	--
11-14-89	12.4	12.2	14.0	16.1	15.0	19.1	13.2	10.7	--
12-20-89	12.4	12.2	13.9	15.4	14.5	18.3	12.9	10.2	--
01-23-90	15.9	12.4	13.7	15.4	14.9	18.1	12.9	10.7	--
03-05-90	19.9	20.2	18.0	16.2	14.8	18.4	13.2	10.7	--
05-22-90	18.9	19.0	19.1	17.5	15.5	18.8	13.1	10.5	--
HILLSLOPE-TRANSECT SITE SCA-898 (N3)									
11-16-88	19.4	15.0	9.9	11.0	17.3	16.2	18.0	18.6	--
12-12-88	19.6	15.4	9.8	10.9	17.5	16.6	18.1	18.4	--
01-30-89	20.6	17.6	11.2	11.8	17.6	16.7	18.2	18.8	--
03-01-89	20.5	18.0	12.9	12.3	17.8	16.8	19.1	19.7	--
03-21-89	21.0	18.0	13.7	13.5	17.9	17.1	19.2	19.1	--
04-04-89	20.4	17.8	13.2	12.8	17.6	16.8	18.6	19.0	--
05-09-89	19.0	17.7	13.5	13.5	18.1	17.2	18.9	19.5	--
06-07-89	14.7	17.2	13.5	13.5	18.1	17.2	19.0	19.5	--
07-19-89	13.5	14.5	12.6	13.3	17.9	16.8	19.1	19.2	--
08-31-89	13.3	13.9	12.0	12.9	18.1	16.6	19.2	19.1	--
10-03-89	13.7	13.5	11.2	12.8	17.6	16.6	19.0	19.2	--
11-14-89	14.1	13.3	10.6	12.8	17.6	16.6	19.1	19.2	--
HILLSLOPE-TRANSECT SITE SCA-970 (N4)									
11-16-88	14.8	14.6	17.0	19.2	16.0	16.0	17.0	20.6	15.5
12-12-88	17.8	14.9	17.6	19.2	16.1	16.5	17.2	20.4	15.5
01-30-89	20.3	17.5	18.9	19.2	16.4	16.8	17.3	20.7	15.9
03-01-89	21.0	18.2	19.5	20.1	18.3	16.3	17.2	20.7	15.6
03-21-89	20.5	18.1	19.3	20.1	19.0	17.7	17.2	20.5	15.8
04-04-89	20.4	17.6	19.1	19.8	18.5	17.6	16.8	20.4	15.5
05-09-89	19.6	17.6	19.2	20.1	18.7	18.0	17.2	21.2	15.9
06-07-89	14.8	16.6	19.1	20.4	18.2	18.2	17.4	21.1	15.9
07-19-89	13.1	15.1	17.9	19.9	18.1	18.0	17.2	21.0	15.7
08-31-89	13.5	14.9	17.3	19.3	18.2	18.4	17.4	21.3	15.7
10-03-89	13.4	15.3	16.6	19.3	17.6	18.1	16.9	21.0	16.1
11-14-89	13.5	14.7	16.7	19.0	17.5	18.2	17.2	21.1	16.2
12-20-89	13.6	14.9	16.6	18.9	17.1	17.6	17.0	21.1	16.0
01-23-90	18.8	15.8	16.7	18.5	17.1	17.7	17.2	20.9	16.1
03-05-90	21.3	19.2	19.2	19.6	18.6	18.7	17.1	21.3	16.0
05-22-90	18.6	17.9	19.2	20.0	19.1	18.9	18.0	21.3	16.5

Table 6. Soil-water-content measurements using neutron-scattering technique, Spring Creek area-Continued

Measurement date	Measurement depth								
	1	2	3	4	5	6	7	8	9
HILLSLOPE-TRANSECT SITE SCA-1029 (N5)									
11-16-88	18.9	19.6	14.1	14.2	--	--	--	--	--
12-12-88	20.0	19.8	13.9	14.4	--	--	--	--	--
01-30-89	20.9	20.1	15.4	15.3	--	--	--	--	--
03-01-89	21.3	21.5	15.8	16.2	--	--	-	--	--
03-21-89	21.0	20.5	15.5	15.7	--	--	--	--	--
04-04-89	20.4	20.0	15.3	15.0	--	--	--	--	--
05-09-89	20.2	20.4	15.6	15.4	--	--	--	--	-
06-07-89	17.1	19.7	15.2	15.5	--	--	--	--	--
07-19-89	14.9	16.9	14.3	15.1	--	--	--	--	--
08-31-89	15.4	16.5	13.6	15.0	--	--	--	--	--
10-03-89	15.4	16.1	13.2	14.8	--	--	--	--	--
11-14-89	15.8	16.6	13.3	14.8	--	--	--	--	--

Table 7. Soil-water-content measurements using neutron-scattering technique, Cow Camp Creek area

[Soil-water content in percent by volume; N14, neutron-scattering technique and number (for example, 14) is soil-water-access tube number; --, no measurement]

Measurement date	Measurement depth (feet)							
	1	2	3	4	5	6	7	8
HILLSLOPE-TRANSECT SITE CCA-451 (N14)								
11-14-88	9.5	12.3	11.1	12.3	12.8	8.4	9.5	--
12-13-88	16.1	13.1	11.8	12.6	13.5	9.0	10.4	--
01-31-89	16.4	13.5	11.6	12.2	12.9	9.0	10.3	--
03-01-89	19.8	17.7	12.7	12.5	12.8	9.2	10.3	--
03-22-89	21.3	20.0	17.4	17.6	17.1	15.2	18.1	--
04-05-89	20.6	19.3	16.3	17.1	16.9	14.1	17.3	--
05-09-89	16.4	16.9	15.3	15.9	15.7	12.6	16.2	--
06-07-89	11.8	15.4	14.2	15.1	15.4	12.3	15.8	--
07-19-89	10.2	12.7	12.6	14.0	14.7	11.6	15.5	--
08-31-89	10.1	12.4	11.6	13.0	13.4	10.3	14.1	--
10-03-89	10.2	12.4	11.7	12.8	13.3	10.1	12.6	--
11-14-89	10.5	12.7	11.7	12.9	13.0	9.9	12.3	--
12-21-89	10.8	12.3	11.4	12.5	13.0	9.8	11.7	--
01-22-90	11.9	12.9	11.7	12.6	13.2	9.8	11.8	--
03-05-90	18.5	18.3	15.4	12.6	13.0	9.8	11.6	--
05-21-90	15.8	16.6	15.7	15.7	15.5	12.6	16.0	--
HILLSLOPE-TRANSECT SITE CCA-569 (N4)								
11-14-88	12.2	15.7	15.7	17.2	17.5	17.1	13.9	14.8
12-13-88	15.3	16.4	15.9	17.2	18.1	17.6	14.0	14.9
01-31-89	16.2	16.2	15.6	16.6	17.1	16.6	13.5	14.2
03-01-89	16.6	17.0	16.3	16.4	16.8	16.6	13.4	13.9
03-22-89	17.4	17.7	17.6	18.2	18.1	17.2	14.5	--
04-05-89	17.3	17.4	17.6	18.1	18.3	17.1	14.0	16.2
05-09-89	15.8	17.3	17.6	18.0	17.8	17.3	14.0	15.4
06-07-89	13.4	17.1	17.5	18.2	17.7	17.2	13.8	15.4
07-19-89	12.3	16.2	16.8	17.4	17.6	17.0	13.9	--
08-31-89	12.5	16.0	16.0	16.8	17.3	17.1	13.9	14.9
10-03-89	12.7	15.9	16.0	16.8	16.9	17.1	13.3	--
11-14-89	13.1	15.7	15.7	16.7	16.9	16.8	13.6	--
12-21-89	12.8	15.3	15.5	16.6	16.6	16.6	13.0	--
01-22-90	14.2	15.5	15.7	16.3	16.6	16.8	13.3	--
03-05-90	16.9	16.8	17.0	17.0	17.2	17.0	13.5	--
05-21-90	16.3	17.6	17.9	17.8	17.5	17.3	13.8	--
HILLSLOPE-TRANSECT SITE CCA-567								
11-14-88	15.6	16.5	14.5	17.4	15.9	17.1	11.9	13.9
12-13-88	16.6	16.5	14.0	17.3	15.9	17.0	11.6	13.7
01-31-89	16.3	15.9	14.0	16.4	15.0	16.2	11.0	13.0

Table 7. Soil-water-content measurements using neutron-scattering technique, Cow Camp Creek area-Continued

Measurement date	Measurement depth (feet)							
	1	2	3	4	5	6	7	8
HILLSLOPE-TRANSECT SITE CCA-567-Continued								
03-01-89	16.2	15.8	13.8	16.4	14.7	16.2	10.9	12.7
03-22-89	18.6	17.8	16.6	18.1	16.5	17.7	12.0	14.6
04-05-89	18.3	17.8	16.4	18.0	16.7	17.3	11.9	14.4
05-09-89	16.0	17.4	16.0	18.0	16.0	17.7	11.7	14.0
06-07-89	12.9	16.2	15.5	17.8	16.2	17.2	11.4	13.8
07-19-89	13.1	15.0	14.0	17.6	15.6	16.8	11.1	13.4
08-31-89	12.4	14.7	13.1	16.8	14.9	16.8	11.4	13.4
10-03-89	12.9	14.0	12.5	16.5	14.6	16.6	11.1	13.4
11-14-89	13.1	14.1	12.5	16.4	13.8	16.6	11.0	13.4
12-21-89	13.2	13.8	12.3	15.8	13.6	15.8	10.9	13.0
01-22-90	15.0	13.9	12.4	16.2	13.7	15.8	11.2	13.0
03-05-90	17.4	15.2	12.4	16.3	13.8	16.0	11.2	13.2
05-21-90	17.0	17.8	16.0	17.9	16.0	17.5	11.5	13.8
HILLSLOPE-TRANSECT SITE CCB-407 (N11)								
11-14-88	18.7	14.2	15.4	17.4	15.6	--	--	--
12-13-88	18.9	15.4	15.6	17.6	16.2	--	--	--
01-31-89	19.6	17.6	14.8	16.8	15.5	--	--	--
03-01-89	20.3	20.6	17.2	17.4	15.6	--	--	--
03-22-89	22.7	22.4	18.0	18.7	18.5	--	--	--
04-05-89	21.9	21.8	17.9	18.6	17.9	--	--	--
05-09-89	19.3	20.2	16.9	17.6	15.8	--	--	--
06-07-89	16.9	17.8	16.6	17.1	15.3	--	--	--
07-19-89	11.5	13.0	14.9	17.2	15.4	--	--	--
08-31-89	11.1	12.2	14.6	16.6	15.0	--	--	--
10-03-89	11.2	12.5	14.4	16.5	14.9	--	--	--
11-14-89	11.3	12.9	14.6	16.8	15.2	--	-	--
12-21-89	11.2	12.8	14.5	16.6	14.8	--	--	--
01-22-90	14.7	13.0	14.8	16.8	15.0	--	--	-
03-05-90	19.0	20.2	16.3	16.8	15.1	--	--	--
05-21-90	18.8	20.0	16.8	17.5	15.6	--	--	--
HILLSLOPE-TRANSECT SITE CCB-429 (N11)								
11-14-88	13.5	15.8	14.8	16.6	--	--	--	--
12-13-88	20.6	17.9	15.8	17.3	--	--	--	--
01-31-89	20.4	17.2	15.8	17.6	--	--	--	--
03-01-89	20.7	17.3	17.6	18.7	--	--	--	--
03-22-89	21.4	18.4	17.4	19.0	--	--	--	--
04-05-89	20.9	18.2	17.5	19.1	--	--	--	--
05-09-89	19.7	17.6	17.2	19.1	--	--	--	--
06-07-89	15.8	17.2	16.1	19.1	--	--	--	--

Table 7. Soil-water-content measurements using neutron-scattering technique, Cow Camp Creek area-Continued

Measurement date	Measurement Depth (feet)							
	1	2	3	4	5	6	7	8
HILLSLOPE-TRANSECT SITE CCB-429 (N11)-Continued								
07-19-89	12.3	16.3	15.7	18.0	--	--	--	--
08-31-89	12.3	15.9	15.1	17.6	--	--	--	--
10-03-89	12.7	15.1	14.8	16.8	--	--	--	--
11-14-89	13.4	15.1	14.3	16.7	--	--	--	--
12-21-89	14.3	14.9	13.6	16.3	--	--	--	--
01-22-90	17.8	16.2	13.7	16.4	--	--	--	--
03-05-90	18.8	17.8	16.8	17.5	--	--	--	--
05-21-90	18.4	17.8	17.3	19.4	--	--	--	--

Table 8. Soil-water-content measurements using time-domain-reflectometry technique, Spring Creek area

[Soil-water content in percent by volume; --, no measurement]

Measurement date	Hillslope-transect site					
	SCA-085	SCA-250	SCA-450	SCA-620	SCA-600	SCA-960
11-22-89	10.4	9.9	16.2	22.6	11.1	18.0
12-19-89	11.8	18.8	23.2	35.6	22.2	25.3
01-23-90	7.4	--	29.4	20.0	23.5	25.4
03-06-90	21.0	--	35.7	34.5	29.8	32.4
03-19-90	6.4	--	13.1	11.8	9.6	10.1
04-23-90	--	--	--	--	--	--
05-22-90	1.6	4.4	8.4	11.6	7.4	7.2

Measurment date	Hillslope-transect site				
	SCC-650	SCB-950	SCC-210	SCC-450	SCC-660
11-22-89	12.2	12.8	14.1	8.5	8.9
12-19-89	14.8	19.5	26.6	18.0	20.8
01-23-90	15.3	26.6	23.0	21.0	18.6
03-06-90	23.3	33.0	33.0	31.8	33.0
03-19-90	6.4	10.2	12.1	--	8.5
04-23-90	3.9	--	5.8	--	1.9
05-22-90	3.5	7.2	4.2	3.4	2.3

Table 9. Soil-water-content measurements using time-domain-reflectometry technique, Cow Camp Creek area

[Soil-water content in percent by volume; --, no measurement]

Measurement date	Hillslope-transect site						
	CCA-200	CCA-400	CCA-569	CCA-650	CCB-200	CCB-400	CCB-407
11-22-89	11.2	8.5	12.0	8.3	16.8	7.4	13.6
12-20-89	24.6	16.7	18.3	21.8	24.6	21.9	--
01-22-90	27.4	22.6	27.0	25.0	30.1	23.9	--
03-06-90	32.4	30.5	33.8	31.1	35.4	35.1	--
03-19-90	16.5	13.4	17.1	--	--	15.7	--
04-23-90	6.5	6.1	8.0	--	--	7.8	--
05-21-90	9.5	6.0	7.6	3.9	8.3	6.5	7.0

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area

[Altitudes in feet, relative to local reference mark with arbitrary altitude of 20.00 feet; --, no data]

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCA-250)										
0.2	22.32	22.33	22.05	22.07	21.76	21.76	21.36	21.36	21.13	21.10
0.4	22.36	22.35	22.02	22.02	21.70	21.71	21.40	21.40	21.16	21.15
0.6	22.39	22.32	21.99	21.97	21.69	21.71	21.38	21.40	21.13	21.14
0.8	22.34	22.33	21.99	21.98	21.67	21.67	21.39	21.39	21.09	21.10
1.0	22.32	22.27	22.04	22.03	21.65	21.66	21.42	21.41	21.07	21.08
1.2	22.30	22.26	22.03	22.02	21.63	21.63	21.42	21.42	21.05	21.05
1.4	22.24	22.22	22.05	22.02	21.65	21.62	21.42	21.41	21.02	21.03
1.6	22.24	22.22	22.07	22.05	21.65	21.66	21.47	21.46	21.02	21.05
1.8	22.28	22.27	22.00	22.00	21.65	21.65	21.45	21.45	20.98	20.98
2.0	22.29	22.26	22.01	22.05	21.69	21.66	21.49	21.47	21.01	21.00
2.2	22.26	22.24	21.96	21.99	21.66	21.65	21.46	21.43	21.01	21.01
2.4	22.24	22.23	21.98	21.98	21.64	21.63	21.47	21.45	21.03	21.04
2.6	22.30	22.29	21.96	21.98	21.64	21.64	21.49	21.46	21.04	21.06
2.8	22.33	22.33	21.95	21.96	21.68	21.67	21.53	21.46	21.01	21.03
3.0	22.36	22.33	21.95	21.96	21.69	21.68	21.48	21.49	20.99	21.00
3.2	22.36	22.37	21.93	21.95	21.69	21.69	21.48	21.44	21.05	21.06
3.4	22.26	22.27	21.94	21.94	21.70	21.71	21.47	21.53	21.02	21.03
3.6	22.26	22.26	21.96	21.96	21.68	21.71	21.49	21.45	21.03	21.02
3.8	22.25	22.25	21.97	21.97	21.65	21.70	21.52	21.50	21.05	21.07
4.0	22.23	22.23	21.97	22.00	21.62	21.63	21.45	21.46	21.06	21.05
4.2	22.22	22.23	21.99	22.02	21.72	21.70	21.45	21.45	21.05	21.07
4.4	22.22	22.22	21.98	22.00	21.68	21.69	21.42	21.42	21.03	21.05
4.6	22.26	22.26	22.01	22.01	21.69	21.70	21.42	21.37	21.05	21.06
4.8	22.26	22.26	22.00	21.99	21.70	21.71	21.44	21.44	21.07	21.07
5.0	22.28	22.28	22.01	22.00	21.69	21.71	21.45	21.42	21.06	21.07
5.2	22.33	22.32	22.01	22.02	21.70	21.72	21.45	21.44	21.09	21.07
5.4	22.30	22.29	22.04	22.03	21.76	21.72	21.43	21.45	21.06	21.09
5.6	22.27	22.27	22.02	22.00	21.74	21.74	21.47	21.47	21.09	21.09
5.8	22.26	22.26	21.98	21.98	21.72	21.74	21.44	21.44	21.03	21.03
6.0	22.23	22.23	22.01	22.02	21.76	21.74	21.47	21.48	21.03	21.03
6.2	22.21	22.22	22.01	22.01	21.69	21.73	21.51	21.52	21.04	21.06
6.4	22.26	22.25	22.03	22.03	21.73	21.74	21.54	21.53	21.06	21.05
6.6	22.28	22.28	22.06	22.05	21.70	21.70	21.55	21.53	21.05	21.06
6.8	22.29	22.29	22.05	22.03	21.71	21.71	21.52	21.50	21.05	21.06
7.0	22.30	22.29	22.09	22.07	21.74	21.71	21.49	21.49	21.11	21.13
7.2	22.23	22.22	22.04	22.05	21.71	21.73	21.43	21.39	21.18	21.14
7.4	22.29	22.29	22.02	22.02	21.71	21.72	21.39	21.38	21.16	21.15

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area-Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990
EROSION-STUDY PLOT (SITE SCA-250)-Continued										
7.6	22.30	22.30	22.04	22.05	21.70	21.68	21.45	21.42	21.19	21.18
7.8	22.31	22.30	21.99	22.01	21.71	21.71	21.45	21.45	21.14	21.17
8.0	22.32	22.31	21.96	21.97	21.69	21.67	21.45	21.43	21.19	21.19
8.2	22.31	22.29	21.97	21.98	21.66	21.66	21.47	21.44	21.20	21.19
8.4	22.37	22.32	21.95	21.96	21.64	21.67	21.50	21.51	21.19	21.22
8.6	22.25	22.25	21.94	21.93	21.59	21.60	21.52	21.51	21.24	21.22
8.8	22.23	22.22	21.93	21.93	21.60	21.56	21.53	21.47	21.25	21.25
9.0	22.20	22.17	21.91	21.89	21.52	21.53	21.48	21.52	21.22	21.26
9.2	22.14	22.13	21.86	21.86	21.54	21.55	21.54	21.53	21.24	21.24
9.4	22.15	22.13	21.83	21.86	21.55	21.57	21.55	21.52	21.25	21.25
9.6	22.14	22.14	21.85	21.85	21.55	21.56	21.53	21.56	21.26	21.24
9.8	22.16	22.17	21.85	21.85	21.55	21.55	21.59	21.59	21.27	21.27
10.0	22.19	22.19	21.80	21.77	21.55	21.55	21.54	21.52	21.30	21.27
EROSION-STUDY PLOT (SITE SCA-450)										
0.2	23.39	23.43	22.96	23.01	22.45	22.45	22.02	22.05	21.79	21.81
0.4	23.40	23.45	22.96	22.99	22.43	22.43	22.01	22.02	21.79	21.86
0.6	23.46	23.50	22.94	22.99	22.45	22.46	22.06	22.07	21.81	21.86
0.8	23.46	23.51	22.90	22.92	22.51	22.51	22.14	22.16	21.86	21.88
1.0	23.51	23.57	22.97	23.01	22.50	22.51	22.16	22.16	21.84	21.89
1.2	23.68	23.71	23.01	23.04	22.53	22.56	22.24	22.20	21.83	21.88
1.4	23.50	23.42	22.98	23.05	22.57	22.60	22.20	22.22	21.88	21.88
1.6	23.47	23.49	23.00	23.00	22.59	22.51	22.22	22.22	21.88	21.91
1.8	23.48	23.51	22.93	23.02	22.65	22.64	22.27	22.30	21.90	21.91
2.0	23.43	23.47	23.01	23.11	22.64	22.65	22.23	22.30	21.88	21.91
2.2	23.44	23.48	23.08	23.11	22.62	22.63	22.26	22.28	21.88	21.93
2.4	23.52	23.56	22.95	23.08	22.62	22.66	22.23	22.26	21.89	21.94
2.6	23.42	23.46	22.95	23.03	22.62	22.64	22.23	22.24	21.87	21.91
2.8	23.43	23.47	23.00	23.07	22.62	22.68	22.26	22.26	21.87	21.91
3.0	23.45	23.48	23.03	23.12	22.60	22.57	22.24	22.27	21.86	21.90
3.2	23.44	23.49	23.08	23.13	22.61	22.62	22.25	22.24	21.80	21.84
3.4	23.42	23.45	23.07	23.14	22.64	22.65	22.27	22.33	21.72	21.77
3.6	23.42	23.46	23.08	23.17	22.66	22.71	22.29	22.39	21.69	21.72
3.8	23.54	23.53	23.08	23.15	22.63	22.68	22.34	22.37	21.73	21.76
4.0	23.53	23.58	23.07	23.14	22.58	22.61	22.34	22.33	21.67	21.71
4.2	23.56	23.61	22.98	23.16	22.62	22.60	22.29	22.29	21.65	21.69
4.4	23.57	23.64	23.06	23.17	22.64	22.62	22.21	22.45	21.66	21.70
4.6	23.54	23.61	23.08	23.19	22.66	22.68	22.35	22.23	21.67	21.71
4.8	23.51	23.58	23.12	23.21	22.82	22.76	22.20	22.23	21.72	21.74
5.0	23.53	23.59	23.11	23.22	22.66	22.57	22.26	22.27	21.73	21.77

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area-Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCA-450)-Continued										
5.2	23.52	23.58	23.28	23.39	22.63	22.60	22.23	22.26	21.78	21.80
5.4	23.62	23.67	23.47	23.53	22.62	22.66	22.25	22.31	21.76	21.79
5.6	23.55	23.71	23.53	23.49	22.63	22.66	22.26	22.30	21.79	21.82
5.8	23.50	23.68	23.44	23.40	22.63	22.66	22.19	22.29	21.79	21.81
6.0	23.52	23.59	23.33	23.18	22.63	22.66	22.21	22.27	21.77	21.81
6.2	23.55	23.61	23.11	23.17	22.64	22.67	22.21	22.30	21.77	21.78
6.4	23.61	23.64	23.10	23.16	22.63	22.65	22.23	22.26	21.78	21.79
6.6	23.56	23.59	23.10	23.12	22.63	22.65	22.23	22.28	21.78	21.80
6.8	23.47	23.53	23.11	23.14	22.64	22.66	22.19	22.24	21.78	21.80
7.0	23.47	23.52	23.11	23.17	22.67	22.67	22.16	22.23	21.82	21.83
7.2	23.50	23.52	23.14	23.20	22.67	22.69	22.23	22.27	21.88	21.86
7.4	23.49	23.53	23.11	23.21	22.73	22.67	22.30	22.31	21.84	21.85
7.6	23.48	23.54	23.08	23.13	22.72	22.69	22.30	22.33	21.83	21.85
7.8	23.52	23.55	23.09	23.17	22.69	22.71	22.30	22.34	21.90	21.88
8.0	23.51	23.55	23.12	23.18	22.69	22.73	22.29	22.35	21.87	21.88
8.2	23.51	23.57	23.16	23.14	22.69	22.73	22.30	22.37	21.88	21.89
8.4	23.54	23.57	23.14	23.16	22.64	22.69	22.53	22.58	--	21.89
8.6	23.52	23.55	23.15	23.18	22.63	22.65	22.46	22.49	21.92	21.98
8.8	23.52	23.57	23.13	23.15	22.65	22.66	22.30	22.33	21.83	21.89
9.0	23.54	23.56	23.10	23.16	22.69	22.72	22.30	22.34	21.87	21.89
9.2	23.51	23.54	23.10	23.13	22.71	22.74	22.32	22.36	21.89	21.89
9.4	23.58	23.54	23.08	23.09	22.68	22.69	22.33	22.38	21.90	21.92
9.6	23.57	23.61	23.06	23.10	22.63	22.65	22.32	22.36	21.85	21.90
9.8	23.50	23.48	23.09	23.12	22.60	22.62	22.30	22.34	21.84	21.88
10.0	23.50	23.51	23.04	23.07	22.59	22.57	22.30	22.30	21.85	21.88
EROSION-STUDY PLOT (SITE SCA-620)										
0.2	22.10	22.11	21.77	21.76	21.47	21.48	21.22	21.23	20.81	20.84
0.4	22.12	22.13	21.76	21.78	21.46	21.47	21.25	21.26	20.85	20.88
0.6	22.11	22.09	21.74	21.69	21.45	21.47	21.23	21.24	20.81	20.85
0.8	22.10	22.10	21.72	21.67	21.47	21.48	21.20	21.23	20.80	20.83
1.0	22.13	22.13	21.72	21.74	21.53	21.56	21.21	21.20	20.85	20.87
1.2	22.00	21.99	21.71	21.73	21.49	21.51	21.18	21.18	20.89	20.93
1.4	21.98	21.93	21.69	21.70	21.51	21.54	21.17	21.19	20.91	20.96
1.6	21.95	21.92	21.70	21.73	21.50	21.53	21.14	21.17	20.92	20.86
1.8	21.95	21.92	21.64	21.66	21.42	21.46	21.14	21.15	20.86	20.87
2.0	21.95	21.92	21.59	21.60	21.35	21.35	21.11	21.14	20.77	20.80
2.2	21.96	21.98	21.57	21.57	21.30	21.32	21.08	21.11	20.78	20.83
2.4	21.98	21.90	21.57	21.54	21.30	21.32	21.05	21.06	20.83	20.88
2.6	21.95	21.90	21.54	21.52	21.34	21.35	21.08	21.11	20.92	20.91

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area-Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCA-620)-Continued										
2.8	21.92	21.96	21.55	21.54	21.32	21.33	21.16	21.19	20.86	20.89
3.0	21.96	21.96	21.55	21.53	21.36	21.39	21.17	21.18	20.85	20.88
3.2	21.96	21.96	21.59	21.54	21.37	21.39	21.12	21.17	20.88	20.91
3.4	21.95	21.94	21.59	21.59	21.39	21.40	21.20	21.20	20.94	20.94
3.6	21.95	21.93	21.60	21.57	21.41	21.45	21.30	21.29	21.00	20.94
3.8	21.99	21.95	21.63	21.60	21.39	21.39	21.28	21.28	20.95	20.94
4.0	22.00	21.96	21.63	21.65	21.38	21.38	21.16	21.21	20.93	20.95
4.2	22.15	22.12	21.67	21.67	21.39	21.39	21.18	21.21	20.93	20.94
4.4	22.17	22.05	21.69	21.67	21.42	21.43	21.20	21.18	20.93	20.94
4.6	22.07	22.03	21.72	21.69	21.47	21.48	21.20	21.18	20.93	20.95
4.8	22.13	22.15	21.83	21.81	21.56	21.52	21.22	21.20	20.98	20.96
5.0	22.15	22.15	21.89	21.84	21.60	21.59	21.30	21.30	21.00	20.96
5.2	22.19	22.16	21.89	21.84	21.60	21.57	21.33	21.33	20.97	20.99
5.4	22.23	22.18	21.88	21.85	21.60	21.59	21.28	21.27	20.92	20.96
5.6	22.21	22.16	21.87	21.83	21.58	21.55	21.27	21.28	20.92	20.95
5.8	22.25	22.20	21.88	21.85	21.58	21.60	21.30	21.33	20.94	20.95
6.0	22.20	22.19	21.92	21.90	21.61	21.59	21.41	21.35	20.96	20.97
6.2	22.23	22.21	21.94	21.95	21.65	21.62	21.34	21.34	20.94	20.95
6.4	22.26	22.22	21.96	21.93	21.66	21.62	21.31	21.28	20.92	20.95
6.6	22.27	22.25	22.00	21.98	21.68	21.66	21.35	21.30	20.96	20.98
6.8	22.30	22.33	22.00	22.02	21.72	21.69	21.36	21.33	20.99	20.95
7.0	22.33	22.33	22.04	22.02	21.74	21.72	21.29	21.29	20.97	20.96
7.2	22.38	22.36	22.08	22.02	21.72	21.67	21.24	21.28	20.95	20.96
7.4	22.35	22.36	22.09	22.10	21.80	21.73	21.22	21.21	20.93	20.93
7.6	22.37	22.40	22.08	22.09	21.74	21.74	21.19	21.18	20.91	20.88
7.8	22.38	22.37	22.14	22.16	21.74	21.74	21.18	21.16	20.87	20.91
8.0	22.41	22.39	22.13	22.13	21.68	21.71	21.16	21.17	20.91	20.92
8.2	22.42	22.36	22.15	22.03	21.70	21.69	21.19	21.20	20.88	20.87
8.4	22.41	22.41	22.15	22.11	21.69	21.71	21.22	21.22	20.89	20.88
8.6	22.39	22.38	22.15	22.11	21.73	21.72	21.23	21.23	20.93	20.94
8.8	22.42	22.38	22.18	22.11	21.71	21.72	21.23	21.23	20.95	20.90
9.0	22.44	22.38	22.14	22.10	21.64	21.64	21.26	21.25	20.98	20.92
9.2	22.43	22.38	22.11	22.10	21.66	21.64	21.28	21.27	21.00	21.01
9.4	22.44	22.46	22.11	22.09	21.71	21.69	21.28	21.27	20.97	20.99
9.6	22.46	22.44	22.19	22.14	21.76	21.76	21.28	21.29	20.99	21.01
9.8	22.49	22.49	22.15	22.15	21.79	21.74	21.30	21.29	21.02	21.03
10.0	22.51	22.53	22.18	22.16	21.78	21.74	21.40	21.35	21.13	21.16

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area—Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCA-800)										
0.2	22.20	22.24	21.79	21.81	21.47	21.49	21.07	21.11	20.71	20.70
0.4	22.11	22.20	21.80	21.83	21.41	21.44	21.11	21.14	20.70	20.72
0.6	22.17	22.21	21.86	21.83	21.45	21.48	21.09	21.13	20.72	20.73
0.8	22.24	22.24	21.89	21.90	21.45	21.49	21.06	21.09	20.65	20.69
1.0	22.24	22.23	21.91	21.90	21.46	21.50	21.05	21.11	20.63	20.69
1.2	22.25	22.26	21.85	21.78	21.38	21.46	21.02	21.02	20.63	20.64
1.4	22.25	22.27	21.72	21.76	21.28	21.34	21.03	21.03	20.62	20.61
1.6	22.22	22.22	21.70	21.73	21.30	21.36	21.03	21.03	20.58	20.61
1.8	22.13	22.16	21.68	21.67	21.36	21.39	20.98	21.03	20.55	20.59
2.0	22.06	22.11	21.75	21.69	21.37	21.40	20.98	21.05	20.50	20.50
2.2	22.10	22.13	21.70	21.70	21.40	21.44	21.00	21.00	20.47	20.49
2.4	22.17	22.17	21.71	21.74	21.40	21.38	20.98	20.98	20.47	20.48
2.6	22.22	22.19	21.76	21.76	21.40	21.45	20.90	20.97	20.47	20.48
2.8	22.25	22.24	21.79	21.81	21.47	21.45	20.84	20.89	20.48	20.48
3.0	22.27	22.31	21.83	21.84	21.40	21.36	20.82	20.86	20.44	20.48
3.2	22.26	22.30	21.86	21.82	21.37	21.34	20.83	20.84	20.40	20.38
3.4	22.25	22.25	21.85	21.80	21.30	21.31	20.82	20.79	20.44	20.40
3.6	22.21	22.23	21.84	21.80	21.24	21.23	20.79	20.92	20.43	20.55
3.8	22.18	22.20	21.80	21.81	21.20	21.25	20.96	20.94	20.67	20.69
4.0	22.14	22.18	21.75	21.82	21.25	21.29	21.03	21.03	20.72	20.71
4.2	22.10	22.03	21.68	21.73	21.24	21.27	21.10	21.07	20.79	20.79
4.4	22.02	22.09	21.54	21.62	21.28	21.36	21.12	21.14	20.83	20.81
4.6	21.97	22.12	21.57	21.63	21.41	21.45	21.16	21.13	20.83	20.82
4.8	22.00	22.02	21.66	21.66	21.52	21.53	21.22	21.21	20.82	20.87
5.0	21.96	21.96	21.70	21.69	21.54	21.58	21.27	21.30	20.79	20.88
5.2	21.95	22.01	21.77	21.82	21.63	21.58	21.33	21.36	20.82	20.81
5.4	22.05	22.10	21.82	21.87	21.61	21.53	21.23	21.25	20.81	20.83
5.6	22.11	22.12	21.86	21.90	21.63	21.56	21.24	21.27	20.80	20.77
5.8	22.19	22.19	21.87	21.93	21.61	21.65	21.23	21.24	20.74	20.79
6.0	22.23	22.24	21.93	21.94	21.63	21.62	21.21	21.25	20.77	20.81
6.2	22.26	22.28	21.95	21.98	21.60	21.61	21.20	21.23	20.81	20.82
6.4	22.27	22.29	21.88	21.99	21.55	21.61	21.22	21.24	20.87	20.82
6.6	22.25	22.31	21.92	21.96	21.56	21.62	21.25	21.22	20.82	20.82
6.8	22.23	22.29	21.92	21.96	21.54	21.58	21.25	21.21	20.73	20.74
7.0	22.22	22.26	21.89	21.91	21.50	21.56	21.20	21.18	20.59	20.65
7.2	22.27	22.29	21.95	21.92	21.50	21.53	21.15	21.14	20.54	20.60
7.4	22.27	22.33	21.97	21.94	21.45	21.42	21.08	21.07	20.60	20.65
7.6	22.28	22.32	21.94	21.88	21.43	21.41	21.01	21.02	20.73	20.68
7.8	22.30	22.34	21.92	21.92	21.40	21.40	21.01	21.06	20.77	20.80
8.0	22.28	22.33	21.86	21.84	21.42	21.48	21.08	21.12	20.90	20.88

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area-Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCA-800)-Continued										
8.2	22.28	22.29	21.74	21.75	21.46	21.52	21.20	21.26	20.91	20.99
8.4	22.04	22.12	21.79	21.80	21.51	21.66	21.38	21.39	20.89	20.93
8.6	22.05	22.05	21.83	21.88	21.63	21.69	21.56	21.61	20.97	20.91
8.8	22.08	22.10	21.89	21.94	21.70	21.75	21.42	21.42	20.90	20.91
9.0	22.18	22.20	21.96	22.01	21.77	21.81	21.35	21.38	20.77	20.86
9.2	22.23	22.29	22.12	22.01	21.78	21.81	21.30	21.38	20.72	20.74
9.4	22.35	22.35	22.14	22.05	21.72	21.75	21.26	21.30	20.72	20.73
9.6	22.36	22.43	22.15	22.19	21.70	21.74	21.17	21.17	20.76	20.78
9.8	22.51	22.51	22.09	22.11	21.69	21.73	21.26	21.29	20.84	20.87
10.0	22.58	22.56	22.10	22.18	21.58	21.60	21.33	21.33	20.85	20.90
EROSION-STUDY PLOT (SITE SCA-960)										
0.2	22.62	22.66	22.31	22.35	21.86	21.88	21.48	21.51	21.01	21.03
0.4	22.61	22.65	22.26	22.33	21.86	21.90	21.46	21.49	21.00	21.03
0.6	22.57	22.61	22.19	22.22	21.84	21.86	21.42	21.46	21.04	21.11
0.8	22.54	22.54	22.17	22.20	21.77	21.82	21.39	21.40	21.05	21.09
1.0	22.47	22.53	22.11	22.16	21.70	21.77	21.38	21.40	21.07	21.09
1.2	22.49	22.52	22.06	22.12	21.66	21.71	21.34	21.35	21.05	21.00
1.4	22.55	22.56	22.08	22.18	21.61	--	21.29	21.34	21.01	20.95
1.6	22.61	22.63	22.17	22.21	21.58	21.64	21.28	21.34	20.96	21.02
1.8	22.66	22.68	22.19	22.24	21.52	21.59	21.27	21.30	20.93	21.02
2.0	22.67	22.69	22.17	22.27	21.49	21.53	21.29	21.32	20.97	21.05
2.2	22.70	22.66	22.17	22.25	21.47	21.52	21.30	21.32	21.03	21.09
2.4	22.69	22.70	22.18	22.27	21.53	21.54	21.29	21.34	21.00	21.02
2.6	22.73	22.72	22.16	22.25	21.55	21.59	21.25	21.32	20.92	20.99
2.8	22.82	22.80	22.17	22.24	21.62	21.62	21.20	21.27	20.93	20.96
3.0	22.84	22.86	22.20	22.25	21.63	21.65	21.15	21.19	20.88	20.94
3.2	22.84	22.85	22.20	22.25	21.59	21.63	21.13	21.17	20.87	20.95
3.4	22.81	22.86	22.18	22.25	21.62	21.66	21.09	21.18	20.91	20.93
3.6	22.75	22.74	22.19	22.25	21.64	21.69	21.08	21.13	20.84	20.93
3.8	22.76	22.78	22.20	22.24	21.67	21.70	21.08	21.13	20.77	20.86
4.0	22.77	22.77	22.20	22.20	21.67	21.72	21.11	21.16	20.71	20.78
4.2	22.83	22.73	22.22	22.23	21.64	21.72	21.18	21.22	20.71	20.85
4.4	22.79	22.78	22.22	22.28	21.65	21.72	21.28	21.30	20.77	20.85
4.6	22.80	22.80	22.22	22.29	21.75	21.80	21.25	21.29	20.90	20.91
4.8	22.76	22.81	22.20	22.29	21.77	21.82	21.23	21.26	20.93	20.98
5.0	22.78	22.75	22.19	22.28	21.80	21.84	21.31	21.37	20.93	21.03
5.2	22.74	22.74	22.20	22.22	21.82	21.85	21.39	21.42	20.95	20.99
5.4	22.71	22.76	22.19	22.22	21.86	21.85	21.36	21.43	20.96	20.99
5.6	22.64	22.70	22.20	22.25	21.91	21.89	21.43	21.50	20.99	21.03

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area-Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCA-960)-Continued										
5.8	22.66	22.70	22.24	22.30	21.89	21.94	21.39	21.48	21.03	21.10
6.0	22.64	22.69	22.25	22.30	21.95	21.98	21.43	21.42	21.13	21.12
6.2	22.64	22.68	22.21	22.26	21.94	21.96	21.42	21.49	21.12	21.17
6.4	22.68	22.68	22.22	22.23	21.96	21.97	21.45	21.53	21.12	21.17
6.6	22.67	22.70	22.19	22.25	21.94	21.98	21.50	21.53	21.07	21.17
6.8	22.68	22.67	22.28	22.33	21.95	21.95	21.47	21.55	21.05	21.17
7.0	22.70	22.66	22.30	22.40	21.95	21.91	21.40	21.43	21.09	21.17
7.2	22.65	22.66	22.34	22.39	21.96	21.92	21.36	21.41	21.01	21.10
7.4	22.79	22.82	22.33	22.40	21.92	21.93	21.37	21.40	21.06	21.13
7.6	22.81	22.84	22.40	22.48	21.84	21.89	21.37	21.38	21.05	21.12
7.8	22.76	22.80	22.41	22.49	21.81	21.83	21.52	21.56	21.07	21.14
8.0	22.79	22.74	22.47	22.51	21.82	21.85	21.47	21.49	20.95	21.04
8.2	22.82	22.78	22.42	22.47	21.88	21.93	21.48	21.46	20.96	21.00
8.4	22.82	22.76	22.32	22.33	21.99	22.03	21.47	21.50	20.95	21.13
8.6	22.92	22.87	22.31	22.30	22.11	22.11	21.44	21.47	21.15	21.15
8.8	22.81	22.77	22.34	22.36	22.14	22.17	21.53	21.55	21.19	21.24
9.0	22.80	22.83	22.40	22.38	22.13	22.15	21.59	21.62	21.19	21.23
9.2	22.77	22.81	22.44	22.44	22.08	22.12	21.66	21.68	21.24	21.29
9.4	22.85	22.87	22.47	22.43	22.14	22.15	21.71	21.69	21.26	21.32
9.6	22.96	22.86	22.49	22.44	22.20	22.23	21.74	21.72	21.28	21.33
9.8	23.04	22.92	22.52	22.49	22.26	22.31	21.78	21.75	21.30	21.30
10.0	22.97	22.99	22.50	22.55	22.28	22.31	21.82	21.78	21.31	21.29

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCB-650)										
0.2	22.13	22.14	21.81	21.80	21.44	21.44	21.24	21.26	21.00	21.02
0.4	22.18	22.19	21.78	21.79	21.51	21.54	21.25	21.23	21.03	21.04
0.6	22.24	22.28	21.73	21.76	21.65	21.67	21.25	21.26	21.06	21.04
0.8	22.27	22.30	21.79	21.81	21.71	21.75	21.24	21.25	21.02	21.05
1.0	22.26	22.31	21.82	21.83	21.70	21.75	21.15	21.21	20.93	21.02
1.2	22.26	22.35	21.84	21.80	21.68	21.71	21.17	21.19	20.88	20.90
1.4	22.26	22.13	21.86	21.81	21.66	21.68	21.15	21.15	20.86	20.88
1.6	22.29	22.19	21.85	21.88	21.62	21.61	21.17	21.20	20.90	20.91
1.8	22.27	22.31	21.81	21.81	21.59	21.58	21.24	21.29	20.85	20.87
2.0	22.24	22.26	21.75	21.78	21.55	21.59	21.32	21.37	20.77	20.81
2.2	22.23	22.28	21.76	21.77	21.57	21.59	21.32	21.35	20.71	20.72

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area-Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCB-650)-Continued										
2.4	22.23	22.23	21.75	21.77	21.57	21.60	21.29	21.33	20.74	20.73
2.6	22.20	22.19	21.65	21.67	21.55	21.58	21.33	21.36	20.79	20.79
2.8	22.18	22.19	21.73	21.70	21.55	21.59	21.37	21.40	20.83	20.82
3.0	22.11	22.15	21.77	21.76	21.51	21.54	21.44	21.43	20.87	20.84
3.2	22.05	22.09	21.81	21.84	21.47	21.48	21.43	21.42	20.84	20.88
3.4	22.27	22.26	21.85	21.88	21.39	21.43	21.42	21.43	20.85	20.87
3.6	22.24	22.28	21.88	21.92	21.35	21.38	21.38	21.40	20.82	20.83
3.8	22.26	22.28	21.84	21.88	21.35	21.36	21.22	21.26	20.70	20.78
4.0	22.19	22.22	21.81	21.86	21.39	21.37	21.10	21.19	20.67	20.70
4.2	22.24	22.23	21.79	21.84	21.39	21.38	21.07	21.10	20.55	20.56
4.4	22.27	22.25	21.82	21.78	21.34	21.32	20.95	20.98	20.55	20.54
4.6	22.19	22.20	21.95	21.92	21.39	21.34	21.03	21.04	20.55	20.54
4.8	22.20	22.27	21.95	22.00	21.59	21.54	21.02	21.05	20.53	20.53
5.0	22.33	22.31	21.99	22.02	21.62	21.57	21.10	21.12	20.55	20.52
5.2	22.37	22.40	21.98	22.03	21.68	21.67	21.18	21.20	20.63	20.66
5.4	22.41	22.37	21.99	22.00	21.72	21.71	21.25	21.29	20.74	20.58
5.6	22.36	22.38	21.98	21.99	21.70	21.70	21.25	21.29	20.73	20.63
5.8	22.33	22.37	21.95	21.95	21.69	21.71	21.24	21.14	20.73	20.74
6.0	22.30	22.33	21.90	21.87	21.65	21.65	21.22	21.09	20.83	20.77
6.2	22.29	22.29	21.87	21.81	21.60	21.59	21.26	21.20	20.77	20.74
6.4	22.30	22.31	21.85	21.79	21.58	21.56	21.19	21.21	20.80	20.74
6.6	22.33	22.30	21.87	21.87	21.52	21.52	21.20	21.21	20.83	20.80
6.8	22.36	22.36	21.91	21.90	21.48	21.48	21.21	21.23	20.86	20.83
7.0	22.32	22.21	21.93	21.91	21.45	21.43	21.22	21.19	20.86	20.84
7.2	22.33	22.24	21.92	21.94	21.43	21.40	21.22	21.15	20.84	20.84
7.4	22.34	22.30	21.89	21.88	21.43	21.40	21.07	21.06	20.80	20.81
7.6	22.33	22.31	21.84	21.85	21.42	21.41	21.07	21.06	20.78	20.80
7.8	22.39	22.33	21.88	21.86	21.48	21.45	21.11	21.12	20.78	20.77
8.0	22.36	22.30	21.89	21.86	21.50	21.48	21.17	21.20	20.71	20.65
8.2	22.56	22.53	21.91	21.96	21.55	21.54	21.22	21.30	20.70	20.71
8.4	22.64	22.63	21.93	21.94	21.60	21.60	21.30	21.26	20.90	20.89
8.6	22.56	22.49	22.01	21.99	21.69	21.65	21.35	21.26	20.95	20.95
8.8	22.46	22.62	22.06	22.07	21.73	21.70	21.35	21.35	20.91	20.92
9.0	22.40	22.39	22.05	22.04	21.69	21.63	21.36	21.38	20.90	20.95
9.2	22.45	22.40	22.04	22.03	21.65	21.62	21.35	21.29	20.90	20.94
9.4	22.35	22.32	22.03	22.02	21.66	21.62	21.28	21.28	20.80	20.83
9.6	22.29	22.30	22.01	21.99	21.62	21.62	21.23	21.23	20.79	20.80
9.8	22.30	22.34	22.02	21.99	21.64	21.67	21.16	21.18	20.75	20.72
10.0	22.35	22.33	22.02	22.03	21.57	21.57	21.18	21.18	20.70	20.68

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area—Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCB-950)										
0.2	24.13	24.03	23.47	23.38	22.94	22.85	22.46	22.36	21.74	21.65
0.4	24.12	24.03	23.46	23.43	22.92	22.81	22.41	22.30	21.71	21.63
0.6	24.10	24.05	23.42	23.36	22.91	22.86	22.32	22.26	21.70	21.65
0.8	24.12	24.07	23.44	23.39	22.86	22.84	22.28	22.25	21.74	21.58
1.0	24.08	24.02	23.35	23.33	22.83	22.82	22.29	22.23	21.69	21.64
1.2	24.05	23.98	23.32	23.32	22.80	22.76	22.25	22.21	21.62	21.58
1.4	23.97	23.93	23.28	23.23	22.81	22.75	22.30	22.27	21.52	21.51
1.6	24.02	23.92	23.28	23.21	22.80	22.73	22.29	22.27	21.51	21.45
1.8	23.97	23.88	23.31	23.26	22.81	22.70	22.26	22.17	21.54	21.49
2.0	23.92	23.86	23.30	23.26	22.75	22.70	22.24	22.17	21.50	21.48
2.2	23.89	23.84	23.31	23.25	22.71	22.68	22.19	22.09	21.46	21.39
2.4	23.89	23.84	23.27	23.17	22.64	22.65	22.13	22.02	21.48	21.42
2.6	23.82	23.77	23.23	23.15	22.61	22.60	22.05	21.98	21.46	21.41
2.8	23.84	23.81	23.19	23.20	22.65	22.60	21.95	21.93	21.43	21.35
3.0	23.88	23.86	23.14	23.13	22.67	22.64	21.90	21.85	21.40	21.32
3.2	23.85	23.87	23.13	23.12	22.69	22.60	21.88	21.86	21.37	21.31
3.4	23.86	23.79	23.07	22.99	22.61	22.58	21.85	21.84	21.27	21.30
3.6	23.86	23.80	23.08	23.01	22.56	22.51	21.85	21.83	21.32	21.32
3.8	23.74	23.69	23.10	23.03	22.50	22.47	21.80	21.76	21.33	21.28
4.0	23.72	23.67	23.05	23.04	22.45	22.42	21.83	21.83	21.31	21.30
4.2	23.68	23.62	22.99	22.97	22.34	22.32	21.95	21.92	21.27	21.27
4.4	23.81	23.74	22.90	22.90	22.35	22.32	21.97	21.93	21.25	21.17
4.6	23.67	23.55	22.88	22.87	22.27	22.26	21.95	21.92	21.21	21.14
4.8	23.65	23.53	22.88	22.87	22.28	22.27	21.77	21.71	21.26	21.17
5.0	23.52	23.52	22.88	22.85	22.28	22.27	21.75	21.69	21.21	21.18
5.2	23.52	23.45	22.90	22.87	22.28	22.25	21.69	21.68	21.27	21.23
5.4	23.52	23.46	22.88	22.85	22.22	22.21	21.68	21.65	21.30	21.25
5.6	23.53	23.48	22.83	22.79	22.22	22.18	21.67	21.60	21.28	21.26
5.8	23.51	23.48	22.87	22.82	22.20	22.20	21.65	21.64	21.29	21.27
6.0	23.55	23.47	22.88	22.84	22.23	22.24	21.62	21.59	21.30	21.26
6.2	23.53	23.49	22.90	22.87	22.26	22.26	21.62	21.60	21.32	21.29
6.4	23.57	23.54	22.87	22.85	22.24	22.23	21.60	21.58	21.16	21.17
6.6	23.61	23.56	22.86	22.80	22.26	22.24	21.64	21.64	21.04	21.00
6.8	23.61	23.51	22.83	22.80	22.25	22.26	21.65	21.59	20.99	20.98
7.0	23.38	23.39	22.82	22.78	22.24	22.24	21.61	21.57	20.97	21.01
7.2	23.39	23.33	22.81	22.79	22.15	22.12	21.51	21.47	21.01	20.98
7.4	23.33	23.28	22.78	22.75	22.12	22.11	21.39	21.40	20.98	20.97
7.6	23.26	23.22	22.73	22.72	22.07	22.03	21.31	21.34	20.91	20.89
7.8	23.23	23.20	22.69	22.63	21.97	22.01	21.28	21.24	20.85	20.86
8.0	23.21	23.19	22.63	22.62	22.02	21.98	21.30	21.23	20.77	20.74

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area-Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990
EROSION-STUDY PLOT (SITE SCB-950)-Continued										
8.2	23.26	23.23	22.62	22.58	22.15	22.07	21.39	21.36	20.90	20.88
8.4	23.22	23.20	22.57	22.54	22.16	22.12	21.47	21.46	20.92	20.90
8.6	23.14	23.13	22.59	22.57	22.11	22.07	21.84	21.71	21.00	21.00
8.8	23.07	23.07	22.63	22.59	22.14	22.10	21.81	21.77	20.98	21.02
9.0	23.03	23.00	22.63	22.61	22.19	22.12	21.73	21.70	20.98	20.99
9.2	23.07	23.09	22.68	22.64	22.38	22.35	21.77	21.72	21.00	20.93
9.4	23.16	23.13	22.72	22.72	22.42	22.39	21.80	21.74	20.92	20.92
9.6	23.24	23.21	22.74	22.70	22.40	22.34	21.75	21.75	20.95	21.02
9.8	23.31	23.29	22.75	22.72	22.13	22.15	21.70	21.64	21.00	21.05
10.0	23.38	23.30	22.77	22.74	22.12	22.13	21.63	21.59	21.07	20.97

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990
EROSION-STUDY PLOT (SITE SCC-210)										
0.2	18.63	18.64	18.25	18.25	17.84	17.84	17.48	17.48	17.09	17.09
0.4	18.65	18.62	18.26	18.22	17.87	17.87	17.51	17.52	17.08	17.02
0.6	18.67	18.66	18.26	18.26	17.82	17.83	17.47	17.46	17.08	17.01
0.8	18.67	18.63	18.20	18.23	17.81	17.83	17.45	17.43	16.94	17.00
1.0	18.61	18.63	18.23	18.20	17.78	17.81	17.39	17.34	16.94	16.96
1.2	18.59	18.60	18.28	18.24	17.80	17.81	17.40	17.40	16.99	17.04
1.4	18.59	18.58	18.30	18.28	17.81	17.81	17.39	17.40	16.94	16.97
1.6	18.59	18.60	18.31	18.33	17.83	17.77	17.37	17.37	16.94	16.95
1.8	18.64	18.65	18.34	18.37	17.81	17.78	17.36	17.35	16.94	16.99
2.0	18.71	18.71	18.16	18.21	17.84	17.81	17.40	17.35	16.95	16.98
2.2	18.72	18.68	18.14	18.20	17.72	17.79	17.39	17.37	16.99	17.00
2.4	18.76	18.75	18.25	18.24	17.71	17.76	17.38	17.39	17.01	16.98
2.6	18.79	18.73	18.34	18.33	17.79	17.76	17.38	17.37	17.01	17.01
2.8	18.67	18.70	18.38	18.39	17.81	17.82	17.39	17.42	17.05	17.02
3.0	18.71	18.76	18.45	18.38	17.85	17.84	17.41	17.41	17.04	16.98
3.2	18.82	18.74	18.47	18.38	17.84	17.85	17.32	17.32	17.05	16.99
3.4	18.82	18.75	18.46	18.46	17.84	17.85	17.36	17.38	17.04	17.05
3.6	18.81	18.80	18.57	18.59	17.93	17.89	17.40	17.41	17.05	17.06
3.8	18.83	18.82	18.50	18.53	17.92	17.89	17.41	17.40	17.02	17.03
4.0	18.89	18.86	18.50	18.54	17.95	17.89	17.38	17.41	16.90	16.91
4.2	18.90	18.92	18.50	18.52	17.95	17.84	17.36	17.36	16.88	16.89
4.4	18.94	18.92	18.50	18.52	17.95	17.88	17.33	17.35	16.98	16.93
4.6	18.93	18.86	18.50	18.54	17.95	17.97	17.33	17.38	16.93	16.89

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area-Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCC-210)-Continued										
4.8	18.91	18.88	18.56	18.54	18.02	18.06	17.33	17.34	16.90	16.90
5.0	18.96	18.98	18.49	18.50	17.99	17.91	17.37	17.36	16.88	16.92
5.2	18.95	18.87	18.50	18.51	17.98	17.98	17.32	17.35	16.86	16.93
5.4	18.98	18.92	18.46	18.51	17.93	17.99	17.34	17.35	17.02	16.92
5.6	19.02	18.98	18.50	18.42	17.89	17.92	17.37	17.33	16.92	16.95
5.8	19.03	19.02	18.53	18.47	17.89	17.90	17.35	17.34	16.92	16.93
6.0	18.96	18.95	18.55	18.55	17.92	17.88	17.34	17.36	16.85	16.87
6.2	18.95	18.97	18.55	18.55	17.88	17.85	17.37	17.36	16.86	16.85
6.4	18.92	18.92	18.51	18.49	17.85	17.85	17.36	17.38	16.85	16.86
6.6	18.93	18.92	18.50	18.44	17.93	17.91	17.38	17.38	16.93	16.77
6.8	18.94	18.92	18.55	18.45	18.02	18.00	17.42	17.42	16.84	16.83
7.0	18.92	18.91	18.47	18.39	17.97	17.98	17.46	17.46	16.86	16.87
7.2	18.87	18.89	18.50	18.48	17.94	17.96	17.40	17.41	16.88	16.90
7.4	18.88	18.87	18.52	18.49	17.96	17.96	17.42	17.43	16.93	16.94
7.6	18.89	18.88	18.50	18.44	18.04	17.94	17.45	17.46	16.91	16.95
7.8	18.84	18.85	18.43	18.40	18.04	17.99	17.50	17.50	16.83	16.84
8.0	18.84	18.84	18.48	18.45	17.94	17.96	17.46	17.48	16.87	16.85
8.2	18.85	18.84	18.46	18.48	17.93	17.89	17.50	17.49	16.89	16.89
8.4	18.87	18.85	18.38	18.40	17.99	17.94	17.49	17.50	16.83	16.87
8.6	18.84	18.86	18.39	18.40	18.02	18.00	17.45	17.47	16.85	16.86
8.8	18.81	18.82	18.37	18.38	17.96	17.97	17.60	17.45	16.86	16.89
9.0	18.84	18.80	18.24	18.32	17.95	17.93	17.61	17.59	16.95	16.94
9.2	18.89	18.81	18.32	18.34	17.89	17.85	17.60	17.56	17.00	16.90
9.4	18.85	18.81	18.40	18.40	17.86	17.86	17.62	17.55	16.99	16.91
9.6	18.71	18.74	18.38	18.39	17.85	17.83	17.60	17.62	17.03	17.00
9.8	18.68	18.71	18.35	18.39	17.80	17.80	17.59	17.57	17.02	17.00
10.0	18.69	18.71	18.36	18.38	17.72	17.73	17.57	17.56	16.98	16.90
EROSION-STUDY PLOT (SITE SCCM50)										
0.2	22.86	22.83	22.24	22.19	21.92	21.92	21.25	21.28	20.69	20.71
0.4	22.92	22.82	22.28	22.20	21.93	21.94	21.22	21.24	20.66	20.68
0.6	22.95	22.77	22.21	22.24	21.91	21.80	21.20	21.21	20.65	20.64
0.8	22.87	22.86	22.25	22.22	21.82	21.80	21.26	21.27	20.69	20.68
1.0	22.83	22.88	22.27	22.27	21.77	21.79	21.17	21.22	20.65	20.67
1.2	22.90	22.80	22.31	22.28	21.78	21.77	21.17	21.16	20.65	20.69
1.4	22.94	22.76	22.30	22.31	21.74	21.74	21.19	21.18	20.60	20.63
1.6	22.66	22.76	22.19	22.16	21.73	21.76	21.16	21.10	20.51	20.53
1.8	22.63	22.65	22.15	22.14	21.76	21.75	21.08	21.08	20.49	20.52
2.0	22.62	22.65	22.15	22.13	21.72	21.63	21.11	21.05	20.47	20.49
2.2	22.61	22.66	22.06	22.08	21.65	21.61	20.96	21.01	20.45	20.49

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area-Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCCM50)-Continued										
2.4	22.69	22.67	22.03	22.05	21.58	21.60	20.95	20.94	20.35	20.40
2.6	22.68	22.70	22.08	22.08	21.56	21.57	20.98	20.98	20.40	20.38
2.8	22.59	22.58	22.06	22.09	21.54	21.54	20.88	20.93	20.40	20.40
3.0	22.62	22.62	22.00	22.00	21.48	21.47	20.90	20.76	20.25	20.32
3.2	22.70	22.69	21.97	21.95	21.49	21.50	20.85	20.81	20.23	20.24
3.4	22.70	22.70	21.95	21.94	21.48	21.47	20.78	20.84	20.28	20.25
3.6	22.61	22.64	21.99	21.96	21.45	21.44	20.79	20.81	20.25	20.25
3.8	22.56	22.58	22.07	21.93	21.51	21.50	20.82	20.81	20.24	20.26
4.0	22.63	22.64	22.17	22.06	21.49	21.52	20.82	20.84	20.21	20.22
4.2	22.72	22.74	22.11	22.19	21.45	21.48	20.81	20.84	20.22	20.29
4.4	22.69	22.75	22.13	22.14	21.47	21.54	20.84	20.84	20.20	20.26
4.6	22.73	22.75	22.17	22.14	21.53	21.54	20.93	20.93	20.27	20.23
4.8	22.75	22.77	22.16	22.13	21.67	21.60	20.97	21.00	20.31	20.32
5.0	22.72	22.76	22.05	22.10	21.61	21.63	20.95	20.99	20.35	20.32
5.2	22.72	22.74	22.09	22.08	21.61	21.64	20.95	20.95	20.34	20.42
5.4	22.74	22.74	22.13	22.12	21.63	21.63	20.99	20.99	20.38	20.43
5.6	22.77	22.76	22.20	22.18	21.67	21.62	21.05	20.99	20.53	20.46
5.8	22.80	22.77	22.21	22.17	21.70	21.71	21.03	21.00	20.46	20.43
6.0	22.81	22.81	22.21	22.23	21.69	21.71	21.01	21.02	20.45	20.48
6.2	22.81	22.78	22.17	22.28	21.71	21.78	21.03	21.02	20.53	20.54
6.4	22.85	22.83	22.21	22.23	21.75	21.74	21.16	21.03	20.64	20.55
6.6	22.87	22.84	22.27	22.29	21.75	21.75	21.15	21.08	20.51	20.49
6.8	22.85	22.86	22.29	22.28	21.90	21.92	21.11	21.10	20.53	20.58
7.0	22.87	22.87	22.30	22.30	21.67	21.73	21.15	21.10	20.58	20.61
7.2	22.81	22.82	22.33	22.32	21.68	21.69	21.15	21.16	20.55	20.59
7.4	22.80	22.80	22.34	22.34	21.72	21.73	21.16	21.18	20.57	20.56
7.6	22.72	22.73	22.32	22.34	21.75	21.73	21.17	21.19	20.55	20.54
7.8	22.77	22.79	22.29	22.30	21.79	21.78	21.16	21.19	20.64	20.63
8.0	22.79	22.82	22.34	22.31	21.78	21.80	21.13	21.18	20.65	20.63
8.2	22.86	22.93	22.33	22.30	21.75	21.66	21.14	21.20	20.64	20.58
8.4	22.94	22.96	22.35	22.31	21.73	21.68	21.14	21.14	20.48	20.53
8.6	22.96	22.96	22.37	22.37	21.74	21.74	21.15	21.17	20.47	20.52
8.8	22.96	22.94	22.30	22.33	21.76	21.76	21.16	21.14	20.53	20.55
9.0	22.92	22.91	22.29	22.29	21.71	21.73	21.16	21.15	20.62	20.62
9.2	22.90	22.90	22.29	22.30	21.74	21.73	21.14	21.16	20.68	20.64
9.4	22.88	22.91	22.27	22.33	21.76	21.79	21.21	21.18	20.66	20.61
9.6	22.90	22.90	22.23	22.26	21.72	21.66	21.18	21.19	20.69	20.60
9.8	22.93	22.91	22.13	22.20	21.68	21.73	21.16	21.18	20.62	20.58
10.0	22.91	22.97	22.25	22.25	21.70	21.72	21.14	21.16	20.55	20.55

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area-Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Oct 1989	June 1990	Oct 1989	June 1990	Oct. 1989	June 1990	Oct. 1989	June 1990	Oct. 1989	June 1990
EROSION-STUDY PLOT (SITE SCC-660)										
0.2	19.33	19.31	18.72	18.73	18.15	18.14	17.74	17.69	17.00	17.05
0.4	19.28	19.25	18.69	18.73	18.12	18.10	17.75	17.69	17.02	17.03
0.6	19.29	19.31	18.70	18.71	18.12	18.18	17.75	17.71	17.03	17.08
0.8	19.32	19.32	18.67	18.70	18.23	18.22	17.61	17.66	17.07	17.13
1.0	19.27	19.23	18.66	18.67	18.26	18.29	17.57	17.61	17.05	17.10
1.2	19.19	19.20	18.70	18.70	18.28	18.31	17.61	17.68	17.09	17.12
1.4	19.21	19.19	18.69	18.69	18.24	18.28	17.60	17.72	17.11	17.11
1.6	19.24	19.26	18.72	18.72	18.19	18.23	17.56	17.59	17.08	17.14
1.8	19.21	19.18	18.65	18.67	18.22	18.25	17.67	17.69	17.09	17.12
2.0	19.18	19.23	18.67	18.63	18.28	18.11	17.64	17.63	17.00	17.04
2.2	19.17	19.21	18.65	18.66	18.15	18.12	17.56	17.60	17.03	17.09
2.4	19.15	19.17	18.63	18.64	18.08	18.12	17.59	17.63	17.03	17.07
2.6	19.09	19.10	18.65	18.67	18.23	18.26	17.64	17.67	16.95	16.98
2.8	18.98	19.02	18.66	18.67	18.15	18.12	17.57	17.62	16.89	16.91
3.0	18.98	19.02	18.59	18.64	18.12	18.11	17.59	17.58	16.83	16.87
3.2	19.01	19.00	18.53	18.58	18.15	18.19	17.59	17.66	16.82	16.87
3.4	18.95	18.97	18.56	18.56	18.02	18.05	17.58	17.61	16.81	16.84
3.6	18.98	18.96	18.48	18.52	18.06	18.02	17.45	17.47	16.92	16.94
3.8	18.90	18.90	18.41	18.48	18.05	18.05	17.41	17.45	16.85	16.87
4.0	18.90	18.86	18.39	18.42	18.09	18.10	17.44	17.49	16.74	16.79
4.2	18.94	18.92	18.41	18.44	18.08	18.02	17.36	17.39	16.70	16.75
4.4	18.89	18.92	18.39	18.41	18.03	18.05	17.31	17.31	16.65	16.69
4.6	18.76	18.78	18.35	18.38	17.97	18.00	17.29	17.30	16.71	16.75
4.8	18.76	18.77	18.29	18.31	17.92	17.96	17.29	17.25	16.72	16.78
5.0	18.79	18.81	18.23	18.26	17.95	17.97	17.36	17.35	16.75	16.80
5.2	18.78	18.80	18.26	18.27	17.95	17.98	17.30	17.36	16.75	16.81
5.4	18.91	18.77	18.27	18.27	17.96	18.02	17.29	17.32	16.72	16.74
5.6	18.82	18.79	18.26	18.25	17.97	17.96	17.24	17.28	16.68	16.75
5.8	18.76	18.75	18.17	18.20	17.92	17.91	17.26	17.32	16.68	16.76
6.0	18.73	18.65	18.15	18.13	17.90	17.92	17.28	17.33	16.71	16.83
6.2	18.68	18.63	18.11	18.12	17.88	17.82	17.25	17.30	16.69	16.71
6.4	18.67	18.68	18.06	18.08	17.80	17.82	17.16	17.20	16.63	16.68
6.6	18.71	18.68	18.06	18.08	17.80	17.81	17.10	17.14	16.72	16.71
6.8	18.70	18.70	18.10	18.12	17.77	17.81	17.01	17.09	16.63	16.68
7.0	18.67	18.68	18.09	18.12	17.78	17.81	17.10	17.18	16.66	16.71
7.2	18.74	18.73	18.13	18.15	17.85	17.90	17.31	17.28	16.70	16.73
7.4	18.76	18.75	18.15	18.20	17.85	17.87	17.32	17.17	16.70	16.71
7.6	18.76	18.74	18.14	18.18	17.83	17.85	17.28	17.30	16.57	16.62
7.8	18.74	18.71	18.10	18.16	17.83	17.85	17.20	17.28	16.60	16.70
8.0	18.75	18.71	18.10	18.14	17.78	17.83	17.19	17.32	16.61	16.54

Table 10. Soil-surface surveys from erosion-study plots, Spring Creek area-Continued

Traverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Oct. 1989	June 1990								
EROSION-STUDY PLOT (SITE SCC-660)-Continued										
8.2	18.72	18.72	18.13	18.15	17.83	17.85	17.33	17.39	16.49	16.66
8.4	18.77	18.76	18.15	18.17	17.93	17.95	17.38	17.42	16.63	16.61
8.6	18.75	18.75	18.16	18.20	17.95	17.98	17.39	17.45	16.61	16.67
8.8	18.84	18.89	18.18	18.22	17.97	17.99	17.36	17.42	16.60	16.67
9.0	18.94	18.95	18.23	18.26	17.96	17.86	17.31	17.42	16.61	16.61
9.2	18.96	18.79	18.24	18.27	17.97	17.94	17.33	17.36	16.67	16.60
9.4	18.96	18.89	18.29	18.30	18.03	18.04	17.37	17.41	16.60	16.66
9.6	19.05	19.10	18.30	18.33	18.00	18.04	17.38	17.46	16.69	16.73
9.8	19.07	19.06	18.33	18.38	18.01	18.04	17.43	17.44	16.74	16.76
10.0	19.10	19.12	18.40	18.44	18.04	18.08	17.42	17.45	16.66	16.72

Table 11. Soil-surface surveys from erosion-study plots, Cow Camp Creek area

[Altitudes in feet, relative to local reference mark with arbitrary altitude of 20.00 feet]

Transverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE CCA-200)										
0.2	21.60	21.61	21.28	21.28	20.72	20.71	20.28	20.28	19.97	19.97
0.4	21.65	21.67	21.27	21.29	20.72	20.73	20.26	20.28	19.97	19.97
0.6	21.66	21.66	21.25	21.28	20.74	20.75	20.28	20.29	19.99	20.00
0.8	21.64	21.63	21.29	21.31	20.73	20.73	20.31	20.33	20.00	20.01
1.0	21.64	21.64	21.28	21.30	20.75	20.77	20.36	20.38	20.04	20.03
1.2	21.62	21.62	21.29	21.31	20.77	20.79	20.33	20.32	20.01	20.01
1.4	21.65	21.64	21.26	21.28	20.84	20.84	20.34	20.33	20.03	20.06
1.6	21.67	21.67	21.27	21.28	20.82	20.83	20.35	20.35	20.00	20.00
1.8	21.69	21.69	21.27	21.28	20.85	20.82	20.39	20.37	19.98	20.00
2.0	21.67	21.67	21.31	21.31	20.83	20.84	20.38	20.39	20.00	20.03
2.2	21.62	21.63	21.26	21.27	20.85	20.86	20.40	20.42	20.03	20.05
2.4	21.65	21.65	21.26	21.25	20.89	20.90	20.45	20.44	19.96	20.03
2.6	21.64	21.65	21.31	21.32	20.90	20.91	20.48	20.45	20.05	20.05
2.8	21.63	21.64	21.35	21.35	20.92	20.94	20.48	20.48	19.96	19.98
3.0	21.64	21.64	21.28	21.27	20.92	20.93	20.47	20.49	19.97	20.01
3.2	21.62	21.62	21.28	21.29	20.93	20.94	20.46	20.48	20.01	20.03
3.4	21.60	21.60	21.37	21.38	20.94	20.95	20.49	20.51	20.01	20.04
3.6	21.58	21.59	21.31	21.32	20.98	20.98	20.52	20.53	20.05	20.07
3.8	21.61	21.61	21.33	21.33	20.96	20.97	20.52	20.52	20.05	20.09
4.0	21.59	21.60	21.35	21.35	21.02	21.03	20.55	20.53	20.07	20.12
4.2	21.62	21.61	21.35	21.35	21.03	21.02	20.56	20.56	20.10	20.12
4.4	21.60	21.61	21.36	21.37	20.96	20.98	20.54	20.55	20.11	20.12
4.6	21.62	21.62	21.34	21.35	21.00	21.00	20.54	20.52	20.11	20.13
4.8	21.62	21.61	21.36	21.36	21.10	21.10	20.53	20.53	20.12	20.13
5.0	21.60	21.61	21.33	21.34	21.10	21.10	20.53	20.53	20.08	20.11
5.2	21.62	21.62	21.34	21.35	21.06	21.05	20.54	20.52	20.10	20.11
5.4	21.61	21.61	21.35	21.35	21.06	21.06	20.52	20.51	20.11	20.14
5.6	21.59	21.60	21.35	21.36	21.07	21.05	20.53	20.56	20.15	20.15
5.8	21.64	21.65	21.37	21.38	21.08	21.08	20.51	20.53	20.13	20.15
6.0	21.65	21.64	21.37	21.39	21.06	21.06	20.47	20.52	20.11	20.16
6.2	21.62	21.62	21.41	21.41	21.09	21.09	20.49	20.50	20.10	20.13
6.4	21.64	21.65	21.35	21.37	21.05	21.04	20.52	20.52	20.11	20.11
6.6	21.63	21.63	21.31	21.32	21.02	20.98	20.53	20.54	20.12	20.13

Table 11. Soil-surface surveys from erosion-study plots, Cow Camp Creek area-Continued

Transverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE CCA-200)-Continued										
6.8	21.65	21.65	21.34	21.34	20.99	20.99	20.51	20.50	20.10	20.12
7.0	21.72	21.71	21.33	21.34	20.98	20.97	20.53	20.53	20.12	20.13
7.2	21.67	21.66	21.31	21.31	21.00	21.00	20.54	20.55	20.11	20.12
7.4	21.65	21.66	21.32	21.31	20.97	20.97	20.55	20.54	20.12	20.13
7.6	21.67	21.67	21.31	21.31	20.97	20.96	20.55	20.55	20.13	20.14
7.8	21.65	21.65	21.29	21.29	20.98	20.98	20.53	20.53	20.09	20.13
8.0	21.67	21.68	21.29	21.30	21.01	21.01	20.56	20.57	20.10	20.11
8.2	21.68	21.68	21.34	21.33	20.98	20.97	20.58	20.58	20.10	20.11
8.4	21.67	21.66	21.35	21.33	21.00	20.99	20.58	20.61	20.07	20.06
8.6	21.68	21.68	21.36	21.36	21.01	21.01	20.60	20.60	20.08	20.10
8.8	21.65	21.66	21.38	21.38	20.99	21.00	20.58	20.59	20.11	20.11
9.0	21.69	21.68	21.38	21.38	21.02	21.02	20.56	20.55	20.07	20.08
9.2	21.69	21.68	21.37	21.38	21.06	21.05	20.54	20.54	20.10	20.09
9.4	21.66	21.71	21.40	21.39	21.04	21.03	20.60	20.60	20.07	20.09
9.6	21.71	21.71	21.39	21.40	21.04	21.05	20.60	20.60	20.05	20.06
9.8	21.74	21.73	21.44	21.43	21.04	21.02	20.58	20.59	20.04	20.04
10.0	21.74	21.73	21.44	21.43	21.01	20.99	20.60	20.59	20.06	20.07
EROSION-STUDY PLOT (CCA-400)										
0.2	22.56	22.58	22.08	22.09	21.73	21.74	21.32	21.33	20.92	20.94
0.4	22.60	22.61	22.09	22.09	21.71	21.71	21.33	21.32	20.91	20.90
0.6	22.67	22.70	22.10	22.13	21.70	21.71	21.35	21.36	20.89	20.91
0.8	22.69	22.70	22.08	22.10	21.70	21.71	21.34	21.36	20.87	20.92
1.0	22.68	22.68	22.12	22.14	21.75	21.77	21.38	21.39	20.84	20.87
1.2	22.71	22.72	22.11	22.12	21.82	21.83	21.37	21.35	20.85	20.86
1.4	22.73	22.74	22.10	22.11	21.85	21.85	21.32	21.35	20.87	20.88
1.6	22.77	22.77	22.11	22.11	21.93	21.93	21.37	21.33	20.87	20.89
1.8	22.80	22.82	22.13	22.14	21.88	21.89	21.33	21.35	20.86	20.89
2.0	22.81	22.82	22.13	22.14	21.91	21.92	21.33	21.33	20.92	20.95
2.2	22.83	22.85	22.17	22.17	21.92	21.91	21.38	21.36	20.94	20.96
2.4	22.82	22.85	22.24	22.24	21.86	21.87	21.36	21.39	20.99	21.01
2.6	22.88	22.91	22.29	22.29	21.95	21.96	21.39	21.39	21.00	21.02
2.8	22.80	22.80	22.38	22.37	21.95	21.93	21.42	21.40	21.02	21.03
3.0	22.82	22.82	22.34	22.31	21.93	21.94	21.42	21.42	21.05	21.06
3.2	22.79	22.80	22.31	22.31	21.90	21.96	21.43	21.45	21.04	21.02

Table 11. Soil-surface surveys from erosion-study plots, Cow Camp Creek area-Continued

Transverse Station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (CCA-400)-Continued										
3.4	22.75	22.75	22.31	22.30	21.97	21.98	21.43	21.43	21.12	21.08
3.6	22.86	22.87	22.32	22.31	21.91	21.92	21.44	21.45	21.16	21.12
3.8	22.86	22.86	22.40	22.32	21.92	21.92	21.45	21.44	21.15	21.16
4.0	22.83	22.83	22.34	22.34	21.90	21.89	21.40	21.40	21.14	21.15
4.2	22.88	22.88	22.35	22.35	21.90	21.92	21.43	21.44	21.12	21.14
4.4	22.90	22.90	22.31	22.33	21.87	21.89	21.47	21.48	21.17	21.21
4.6	22.91	22.93	22.34	22.30	21.88	21.89	21.39	21.41	21.13	21.14
4.8	22.93	22.95	22.33	22.31	21.92	21.93	21.37	21.38	21.07	21.07
5.0	22.95	22.97	22.35	22.37	21.93	21.94	21.38	21.38	21.01	21.03
5.2	22.96	22.98	22.39	22.40	21.93	21.95	21.41	21.41	21.02	21.02
5.4	22.95	22.97	22.45	22.46	21.95	21.96	21.41	21.41	21.00	21.01
5.6	22.95	22.96	22.51	22.48	21.99	22.01	21.42	21.42	21.00	21.01
5.8	22.93	22.96	22.45	22.45	22.07	22.08	21.44	21.43	21.00	21.01
6.0	22.97	22.98	22.44	22.42	22.05	22.07	21.42	21.42	20.97	20.97
6.2	22.97	22.99	22.47	22.43	22.07	22.07	21.43	21.45	20.98	20.99
6.4	22.96	22.97	22.47	22.47	22.08	22.08	21.49	21.49	20.99	20.98
6.6	22.99	23.00	22.49	22.47	22.09	22.10	21.50	21.52	20.98	20.98
6.8	23.02	23.03	22.49	22.46	22.14	22.15	22.54	21.54	21.03	21.02
7.0	23.09	23.10	22.51	22.50	22.13	22.16	21.55	21.56	21.06	21.05
7.2	23.08	23.10	22.54	22.54	22.14	22.15	21.58	21.56	21.10	21.11
7.4	23.06	23.07	22.55	22.52	22.15	22.15	21.64	21.64	21.10	21.09
7.6	23.03	23.08	22.54	22.56	22.14	22.16	21.59	21.58	21.07	21.08
7.8	23.08	23.10	22.61	22.60	22.19	22.20	21.60	21.61	21.09	21.12
8.0	23.06	23.09	22.68	22.68	22.24	22.24	21.60	21.61	21.17	21.14
8.2	23.10	23.12	22.64	22.65	22.24	22.25	21.63	21.64	21.14	21.15
8.4	23.08	23.09	22.62	22.63	22.21	22.25	21.67	21.66	21.16	21.17
8.6	23.09	23.09	22.66	22.69	22.19	22.20	21.70	21.69	21.15	21.15
8.8	23.13	23.14	22.72	22.71	22.20	22.21	21.67	21.67	21.14	21.15
9.0	23.12	23.13	22.72	22.71	22.23	22.23	21.66	21.67	21.13	21.13
9.2	23.10	23.13	22.73	22.73	22.24	22.24	21.63	21.64	21.13	21.14
9.4	23.20	23.18	22.69	22.68	22.22	22.20	21.63	21.61	21.15	21.16
9.6	23.13	23.12	22.71	22.71	22.19	22.19	21.66	21.65	21.14	21.15
9.8	23.14	23.14	22.69	22.70	22.27	22.25	21.69	21.69	21.14	21.14
10.0	23.12	23.15	22.74	22.74	22.26	22.26	21.70	21.71	21.13	21.12

Table 11. Soil-surface surveys from erosion-study plots, Cow Camp Creek area-Continued

Transverse Station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE CCA-650)										
0.2	22.43	22.38	21.77	21.78	21.12	21.07	20.42	20.41	19.84	19.83
0.4	22.26	22.28	21.73	21.75	21.14	21.08	20.40	20.40	19.82	19.82
0.6	22.31	22.31	21.71	21.74	21.13	21.14	20.52	20.51	19.84	19.84
0.8	22.30	22.30	21.73	21.79	21.15	21.15	20.46	20.46	19.88	19.88
1.0	22.30	22.25	21.77	21.75	21.18	21.22	20.44	20.47	19.88	19.89
1.2	22.37	22.30	21.80	21.78	21.15	21.15	20.49	20.50	19.90	19.90
1.4	22.29	22.33	21.80	21.80	21.09	21.11	20.50	20.52	19.97	19.98
1.6	22.33	22.33	21.76	21.80	21.08	21.11	20.47	20.48	19.90	19.91
1.8	22.38	22.37	21.78	21.79	21.13	21.13	20.46	20.48	19.91	19.92
2.0	22.34	22.33	21.73	21.74	21.12	21.13	20.51	20.51	19.91	19.93
2.2	22.31	22.32	21.72	21.72	21.08	21.09	20.55	20.56	19.96	20.00
2.4	22.24	22.25	21.68	21.66	21.06	21.02	20.49	20.49	19.96	19.98
2.6	22.23	22.23	21.68	21.69	21.04	21.04	20.53	20.54	19.94	19.96
2.8	22.28	22.26	21.67	21.67	21.05	21.06	20.57	20.56	19.95	19.98
3.0	22.30	22.29	21.74	21.69	21.04	21.02	20.55	20.57	20.02	19.99
3.2	22.29	22.28	21.72	21.74	21.07	21.00	20.57	20.57	20.02	20.01
3.4	22.28	22.30	21.67	21.70	21.06	21.05	20.62	20.64	20.03	20.06
3.6	22.22	22.23	21.67	21.69	21.06	21.06	20.62	20.57	20.00	20.02
3.8	22.24	22.21	21.60	21.62	21.05	21.11	20.54	20.54	19.97	20.00
4.0	22.31	22.36	21.57	21.59	21.07	21.05	20.52	20.50	19.96	19.97
4.2	22.32	22.35	21.57	21.57	20.99	21.00	20.44	20.45	19.97	19.96
4.4	22.20	22.21	21.55	21.55	20.93	20.94	20.42	20.42	19.91	19.93
4.6	22.15	22.16	21.53	21.50	20.91	20.93	20.41	20.40	19.85	19.87
4.8	22.08	22.10	21.57	21.62	20.88	20.91	20.35	20.36	19.81	19.81
5.0	22.01	22.04	21.49	21.47	20.83	20.86	20.32	20.32	19.77	19.78
5.2	22.07	22.07	21.47	21.45	20.82	20.84	20.31	20.34	19.76	19.77
5.4	22.09	22.10	21.43	21.44	20.89	20.91	20.35	20.36	19.74	19.76
5.6	22.10	22.09	21.41	21.42	20.90	21.01	20.38	20.38	19.73	19.74
5.8	22.07	21.98	21.57	21.57	20.98	20.99	20.41	20.45	19.74	19.74
6.0	21.87	21.87	21.53	21.52	21.01	21.01	20.43	20.44	19.72	19.71
6.2	21.88	21.86	21.42	21.41	21.06	20.73	20.27	20.30	19.52	19.51
6.4	21.87	21.82	21.40	21.36	20.73	20.70	20.25	20.21	19.53	19.44
6.6	21.84	21.80	21.46	21.41	20.75	20.74	20.19	20.14	19.54	19.56
6.8	21.84	21.82	21.54	21.55	20.88	20.89	20.19	20.14	19.76	19.77

Table 11. Soil-surface surveys from erosion-study plots, Cow Camp Creek area-Continued

Transverse Station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE CCA-650)-Continued										
7.0	21.91	21.89	21.50	21.50	20.92	20.95	20.36	20.39	19.79	19.80
7.2	22.00	22.06	21.55	21.46	20.98	21.02	20.37	20.39	19.78	19.79
7.4	22.11	22.06	21.66	21.67	20.99	21.02	20.40	20.42	19.78	19.80
7.6	22.12	22.22	21.59	21.59	20.98	21.01	20.40	20.43	19.78	19.80
7.8	22.22	22.22	21.58	21.60	20.99	21.00	20.37	20.38	19.77	19.79
8.0	22.16	22.18	21.62	21.61	21.01	21.03	20.41	20.43	19.75	19.75
8.2	22.14	22.15	21.52	21.54	21.04	21.02	20.35	20.34	19.73	19.73
8.4	22.24	22.25	21.53	21.54	20.95	20.97	20.31	20.33	19.66	19.71
8.6	22.15	22.14	21.55	21.55	20.92	20.92	20.35	20.38	19.71	19.77
8.8	22.12	22.14	21.49	21.51	20.95	20.97	20.38	20.39	19.77	19.78
9.0	22.18	22.19	21.52	21.52	20.96	20.95	20.41	20.43	19.79	19.80
9.2	22.33	22.35	21.66	21.66	20.91	20.94	20.48	20.49	19.77	19.77
9.4	22.36	22.37	21.63	21.64	20.89	20.90	20.34	20.36	19.75	19.80
9.6	22.37	22.37	21.64	21.65	20.92	20.95	20.32	20.31	19.79	19.81
9.8	22.34	22.36	21.63	21.69	20.94	20.96	20.32	20.35	19.71	19.73
10.0	22.36	22.35	21.67	21.69	21.02	21.04	20.41	20.37	19.73	19.74
EROSION-STUDY PLOT (SITE CCB-200)										
0.2	22.41	22.42	21.87	21.87	21.18	21.18	20.66	20.63	20.04	20.03
0.4	22.43	22.41	21.90	21.90	21.16	21.15	20.69	20.70	20.03	20.03
0.6	22.39	22.40	21.88	21.90	21.19	21.18	20.73	20.72	20.01	20.02
0.8	22.43	22.42	21.90	21.90	21.21	21.21	20.75	20.74	20.03	20.03
1.0	22.41	22.39	21.92	21.90	21.28	21.28	20.72	20.69	20.03	20.03
1.2	22.41	22.41	21.87	21.90	21.27	21.29	20.67	20.65	20.05	20.08
1.4	22.41	22.43	21.93	21.93	21.32	21.34	20.70	20.66	20.11	20.13
1.6	22.42	22.42	21.93	21.92	21.34	21.36	20.71	20.70	20.09	20.10
1.8	22.40	22.38	21.89	21.88	21.37	21.38	20.73	20.71	20.11	20.13
2.0	22.40	22.41	21.90	21.89	21.33	21.37	20.69	20.68	20.14	20.13
2.2	22.41	22.39	21.88	21.88	21.34	21.35	20.71	20.72	20.18	20.15
2.4	22.42	22.39	21.88	21.88	21.36	21.37	20.76	20.73	20.19	20.19
2.6	22.40	22.39	21.91	21.90	21.38	21.42	20.78	20.76	20.16	20.13
2.8	22.39	22.41	21.98	21.97	21.41	21.40	20.78	20.76	20.15	20.15
3.0	22.47	22.45	21.93	21.91	21.39	21.41	20.78	20.77	20.18	10.17
3.2	22.43	22.45	21.96	21.98	21.39	21.40	20.84	20.80	20.20	20.19
3.4	22.44	22.44	21.90	21.88	21.39	21.41	20.84	20.83	20.18	20.20

Table 11. Soil-surface surveys from erosion-study plots, Cow Camp Creek area-Continued

Transverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE CCB-200)-Continued										
3.6	22.44	22.43	21.90	21.90	21.42	21.44	20.85	20.85	20.18	20.19
3.8	22.41	22.40	21.90	21.89	21.40	21.44	20.87	20.86	20.18	20.18
4.0	22.39	22.39	21.91	21.91	21.42	21.43	20.87	20.85	20.22	20.17
4.2	22.41	22.41	21.91	21.91	21.43	21.44	20.89	20.88	20.23	20.22
4.4	22.41	22.42	21.88	21.88	21.44	21.49	20.88	20.86	20.22	20.23
4.6	22.37	22.37	21.85	21.85	21.45	21.49	20.87	20.87	20.22	20.22
4.8	22.39	22.36	21.83	21.82	21.39	21.42	20.91	20.91	20.23	20.23
5.0	22.37	22.35	21.83	21.81	21.39	21.41	20.80	20.79	20.22	20.33
5.2	22.37	22.36	21.84	21.83	21.39	21.42	20.88	20.88	20.27	20.37
5.4	22.37	22.37	21.82	21.83	21.43	21.45	20.94	20.92	20.23	20.33
5.6	22.39	22.38	21.82	21.84	21.42	21.45	20.92	20.92	20.24	20.31
5.8	22.36	22.35	21.77	21.77	21.40	21.41	20.90	20.89	20.22	20.31
6.0	22.38	22.37	21.79	21.79	21.37	21.40	20.89	20.88	20.20	20.31
6.2	22.37	22.37	21.80	21.80	21.39	21.40	20.90	20.88	20.28	20.35
6.4	22.33	22.35	21.81	21.81	21.37	21.38	20.88	20.86	20.31	20.31
6.6	22.36	22.36	21.79	21.79	21.37	21.36	20.86	20.85	20.29	20.33
6.8	22.39	22.40	21.80	21.83	21.35	21.36	20.84	20.83	20.23	20.24
7.0	22.36	22.41	21.77	21.76	21.32	21.32	20.77	20.77	20.18	20.18
7.2	22.41	22.41	21.71	21.71	21.32	21.33	20.83	20.83	20.16	20.17
7.4	22.38	22.39	21.71	21.71	21.32	21.33	20.87	20.89	20.21	20.22
7.6	22.38	22.40	21.74	21.75	21.32	21.32	20.83	20.85	20.19	20.21
7.8	22.36	22.32	21.75	21.75	21.32	21.32	20.87	20.87	20.23	20.24
8.0	22.36	22.36	21.77	21.73	21.32	21.36	20.79	20.78	20.24	20.24
8.2	22.42	22.41	21.77	21.76	21.29	21.30	20.77	20.75	20.27	20.23
8.4	22.41	22.43	21.74	21.73	21.28	21.28	20.72	20.70	20.25	20.23
8.6	22.40	22.42	21.74	21.74	21.27	21.28	20.74	20.75	20.28	20.26
8.8	22.39	22.44	21.76	21.77	21.30	21.31	20.86	20.84	20.24	20.25
9.0	22.40	22.41	21.74	21.73	21.30	21.28	20.85	20.85	20.18	20.18
9.2	22.40	22.41	21.74	21.71	21.32	21.29	20.86	20.84	20.17	20.21
9.4	22.41	22.44	21.77	21.76	21.29	21.29	20.87	20.85	20.25	20.26
9.6	22.43	22.43	21.74	21.74	21.28	21.28	20.90	20.89	20.26	20.28
9.8	22.43	22.43	21.75	21.75	21.29	21.29	20.82	20.86	20.25	20.29
10.0	22.41	22.41	21.77	21.81	21.31	21.29	20.90	20.89	20.27	20.26

Table 11. Soil-surface surveys from erosion-study plots, Cow Camp Creek area-Continued

Transverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE CCB-400)										
0.2	23.11	23.11	22.45	22.42	22.14	22.12	21.24	21.26	20.85	20.85
0.4	23.10	23.09	22.44	22.44	22.11	22.11	21.26	21.23	20.84	20.82
0.6	23.09	23.10	22.39	22.38	22.08	22.08	21.20	21.19	20.79	20.77
0.8	23.08	23.08	22.40	22.40	22.03	22.08	21.19	21.20	20.78	20.77
1.0	23.08	23.08	22.42	22.39	22.03	22.04	21.17	21.17	20.76	20.76
1.2	23.05	23.03	22.38	22.42	21.95	22.01	21.14	21.14	20.73	20.72
1.4	23.03	23.03	22.41	22.45	21.93	21.93	21.15	21.13	20.68	20.68
1.6	23.07	23.07	22.36	22.33	21.91	21.93	21.09	21.09	20.65	20.65
1.8	23.04	23.04	22.35	22.37	21.91	21.89	21.10	21.09	20.65	20.65
2.0	23.05	23.01	22.36	22.33	21.88	21.82	21.11	21.05	20.67	20.68
2.2	23.03	23.01	22.34	22.35	21.81	21.79	21.04	21.03	20.64	20.65
2.4	23.01	23.01	22.35	22.36	21.75	21.71	21.01	20.99	20.65	20.64
2.6	23.02	23.02	22.35	22.31	21.65	21.62	20.97	20.97	20.58	20.59
2.8	23.02	23.02	22.32	22.31	21.63	21.63	20.95	20.94	20.61	20.61
3.0	23.02	23.01	22.34	22.33	21.63	21.65	20.98	20.97	20.59	20.59
3.2	23.02	22.99	22.32	22.30	21.70	21.75	20.99	21.02	20.61	20.60
3.4	23.00	22.99	22.32	22.31	21.78	21.81	21.00	20.98	20.62	20.72
3.6	23.00	23.00	22.39	22.39	21.70	21.75	20.98	20.98	20.57	20.58
3.8	22.99	23.00	22.35	22.37	21.66	21.66	21.02	20.97	20.55	20.55
4.0	23.00	23.01	22.40	22.39	21.60	21.60	21.04	21.05	20.56	20.57
4.2	23.04	23.03	22.38	22.37	21.61	21.62	21.00	21.00	20.64	20.64
4.4	23.05	23.02	22.33	22.35	21.65	21.70	20.96	20.95	20.63	20.63
4.6	23.05	23.03	22.35	22.35	21.69	21.67	20.93	20.93	20.60	20.66
4.8	23.05	23.05	22.33	22.33	21.65	21.66	20.94	20.93	20.66	20.68
5.0	23.07	23.05	22.34	22.34	21.62	21.64	20.97	20.96	20.62	20.64
5.2	23.06	23.03	22.32	22.31	21.64	21.64	20.98	20.96	20.68	20.67
5.4	23.05	23.08	22.28	22.28	21.64	21.63	20.99	20.98	20.67	20.68
5.6	23.10	23.12	22.27	22.26	21.68	21.68	21.05	21.04	20.66	20.68
5.8	23.09	23.10	22.24	22.24	21.68	21.71	21.05	21.05	20.67	20.72
6.0	23.13	23.12	22.27	22.27	21.80	21.83	21.07	21.08	20.73	20.78
6.2	23.18	23.16	22.27	22.28	21.81	21.82	21.07	21.06	20.76	20.80
6.4	23.16	23.23	22.27	22.27	21.84	21.86	21.05	21.04	20.81	20.82
6.6	23.23	23.22	22.31	22.33	21.86	21.87	21.07	21.08	20.78	20.79
6.8	23.22	23.22	22.27	22.27	21.92	21.92	21.11	21.10	20.81	20.81

Table 11. Soil-surface surveys from erosion-study plots, Cow Camp Creek area-Continued

Transverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990
EROSION-STUDY PLOT (SITE CCB-400)-Continued										
7.0	23.23	23.22	22.29	22.29	21.89	21.90	21.09	21.08	20.84	20.84
7.2	23.29	23.20	22.33	22.31	21.92	21.93	21.07	21.07	20.86	20.89
7.4	23.37	23.36	22.29	22.29	21.94	21.94	21.08	21.09	20.88	20.86
7.6	23.18	23.20	22.27	22.27	21.89	21.93	21.10	21.08	20.89	20.87
7.8	23.14	23.15	22.29	22.28	22.03	22.03	21.09	21.10	20.84	20.87
8.0	23.13	23.14	22.28	22.29	21.98	21.98	21.11	21.11	20.86	20.90
8.2	23.17	23.17	22.34	22.33	21.91	21.93	21.11	21.12	20.85	20.86
8.4	23.19	23.14	22.31	22.29	21.92	21.93	21.11	21.11	20.81	20.78
8.6	23.15	23.13	22.30	22.30	21.97	21.97	21.09	21.09	20.79	20.81
8.8	23.11	23.11	22.28	22.29	21.93	21.94	21.13	21.14	20.82	20.80
9.0	23.08	23.08	22.30	22.31	21.93	21.94	21.19	21.18	20.84	20.85
9.2	23.04	23.02	22.32	22.32	21.91	21.92	21.16	21.16	20.89	20.88
9.4	22.96	22.97	22.33	22.32	21.96	21.92	21.19	21.22	20.89	20.88
9.6	22.87	22.88	22.27	22.27	21.89	21.89	21.21	21.19	20.88	20.86
9.8	22.92	22.93	22.24	22.22	21.89	21.90	21.17	21.15	20.84	20.84
10.0	23.00	23.01	22.25	22.27	21.88	21.90	21.16	21.16	20.85	20.84

Transverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990	Sept. 1989	June 1990
EROSION-STUDY PLOT (SITE CCB-510)										
0.2	19.16	19.17	18.81	18.81	18.66	18.69	18.36	18.36	18.17	18.18
0.4	19.14	19.13	18.80	18.81	18.65	18.66	18.32	18.33	18.23	18.22
0.6	19.12	19.12	18.78	18.81	18.67	18.67	18.37	18.38	18.14	18.15
0.8	19.07	19.07	18.81	18.82	18.64	18.66	18.39	18.40	18.12	18.13
1.0	18.99	19.01	18.84	18.86	18.61	18.62	18.35	18.36	18.14	18.14
1.2	18.97	18.99	18.82	18.83	18.64	18.65	18.32	18.34	18.11	18.12
1.4	18.92	18.95	18.80	18.82	18.67	18.66	18.30	18.32	18.07	18.10
1.6	18.90	18.89	18.79	18.81	18.55	18.51	18.28	18.29	18.08	18.08
1.8	18.88	18.88	18.77	18.79	18.53	18.55	18.30	18.30	18.08	18.08
2.0	18.87	18.93	18.78	18.81	18.50	18.52	18.26	18.26	18.02	18.02
2.2	18.87	18.94	18.69	18.70	18.45	18.45	18.23	18.24	17.90	17.90
2.4	18.85	18.87	18.64	18.66	18.41	18.44	18.22	18.22	17.86	17.87
2.6	18.87	18.88	18.63	18.65	18.39	18.41	18.16	18.17	17.85	17.87
2.8	18.86	18.84	18.59	18.57	18.35	18.37	18.08	18.08	17.82	17.82

Table 11. Soil-surface surveys from erosion-study plots, Cow Camp Creek area-Continued

Transverse station (feet)	Traverse 1 altitudes		Traverse 3 altitudes		Traverse 5 altitudes		Traverse 7 altitudes		Traverse 9 altitudes	
	Sept. 1989	June 1990								
EROSION-STUDY PLOT (SITE CCB-510)-Continued										
2.8	18.86	18.84	18.59	18.57	18.35	18.37	18.08	18.08	17.82	17.82
3.0	18.84	18.85	18.55	18.56	18.23	18.23	17.95	17.86	17.79	17.79
3.2	18.81	18.81	18.56	18.57	18.20	18.20	17.92	17.84	17.77	17.77
3.4	18.78	18.78	18.59	18.59	18.16	18.18	17.89	17.87	17.69	17.70
3.6	18.72	18.72	18.57	18.57	18.15	18.15	17.77	17.77	17.63	17.64
3.8	18.68	18.69	18.56	18.57	18.07	18.08	17.55	17.54	17.64	17.64
4.0	18.66	18.66	18.44	18.42	17.93	17.81	17.49	17.50	17.63	17.63
4.2	18.64	18.65	18.33	18.34	17.67	17.69	17.41	17.46	17.61	17.61
4.4	18.64	18.61	18.26	18.25	17.63	17.65	17.39	17.47	17.28	17.23
4.6	18.59	18.57	18.11	18.10	17.68	17.69	17.44	17.46	17.14	17.13
4.8	18.52	18.48	17.99	18.00	17.71	17.74	17.65	17.68	17.15	17.08
5.0	18.31	18.37	17.94	17.97	17.80	17.81	17.84	17.85	17.14	17.16
5.2	18.29	18.30	17.92	17.94	17.87	17.91	17.92	17.92	17.16	17.17
5.4	18.25	18.27	17.99	18.00	18.06	18.10	17.91	17.93	17.23	17.28
5.6	18.24	18.25	17.99	18.00	18.16	18.17	17.88	17.87	17.32	17.36
5.8	18.23	18.27	18.16	18.17	18.19	18.19	17.87	17.88	17.39	17.41
6.0	18.33	18.34	18.33	18.34	18.22	18.22	17.92	17.93	17.43	17.44
6.2	18.31	18.30	18.37	18.38	18.21	18.22	17.93	17.93	17.44	17.44
6.4	18.30	18.32	18.39	18.40	18.21	18.25	17.93	17.94	17.47	17.47
6.6	18.44	18.45	18.43	18.44	18.22	18.21	17.97	17.97	17.52	17.50
6.8	18.50	18.56	18.46	18.50	18.16	18.19	17.96	17.97	17.50	17.51
7.0	18.64	18.63	18.42	18.43	18.16	18.17	17.99	18.01	17.52	17.53
7.2	18.66	18.66	18.41	18.39	18.15	18.16	17.99	18.00	17.56	17.57
7.4	18.68	18.68	18.40	18.39	18.14	18.15	17.89	17.91	17.60	17.60
7.6	18.70	18.71	18.37	18.35	18.13	18.14	17.87	17.91	17.59	17.61
7.8	18.72	18.73	18.34	18.36	18.16	18.19	17.94	17.95	17.59	17.60
8.0	18.67	18.70	18.28	18.30	18.17	18.18	18.00	18.01	17.55	17.60
8.2	18.70	18.69	18.28	18.31	18.19	18.20	18.02	18.03	17.58	17.60
8.4	18.73	18.69	18.28	18.38	18.20	18.21	18.06	18.07	17.56	17.57
8.6	18.69	18.70	18.47	18.49	18.29	18.33	18.07	18.10	17.56	17.57
8.8	18.73	18.74	18.43	18.41	18.33	18.33	18.10	18.12	17.55	17.57
9.0	18.73	18.74	18.40	18.42	18.31	18.32	18.05	18.09	17.53	17.54
9.2	18.73	18.74	18.42	18.43	18.35	18.37	18.09	18.09	17.57	17.57
9.4	18.76	18.77	18.46	18.45	18.37	18.38	18.08	18.06	17.53	17.54
9.6	18.81	18.82	18.50	18.50	18.42	18.42	18.05	18.06	17.51	17.52
9.8	18.71	18.73	18.49	18.50	18.40	18.41	18.05	18.06	17.51	17.52
10.0	18.70	18.73	18.47	18.52	18.44	18.45	18.03	18.03	17.52	17.52

Elliott—GEOMORPHIC, HYDROLOGIC AND EROSION DATA FOR SELECTED RECLAIMED HILLSLOPES, THE SENECA II MINE, USGS/WRIR 90-4096

ROUTT COUNTY, COLORADO, OCTOBER 1988 - JULY 1990