TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=140

COVER-MANAGEMENT CONDITION--1

VERY LOW RIDGES (0.5-2")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
B	1.00	0.71	0.57	0.52	0.51	0.51	0.52	0.57	0.64	0.73	0.83	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.88	0.82	0.80	0.80	0.80	0.81	0.86	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.98	0.97	0.97	0.96	0.96	0.97	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.50	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.35	0.42	0.48
B	1.00	0.68	0.51	0.43	0.40	0.39	0.39	0.41	0.46	0.52	0.59	0.66	0.75	0.84	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.80	0.69	0.63	0.61	0.61	0.61	0.65	0.71	0.80	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.86	0.79	0.75	0.74	0.74	0.74	0.77	0.84	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.55	0.27	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.19	0.24	0.29	0.34	0.40	0.47
B	1.00	0.66	0.46	0.35	0.29	0.27	0.27	0.28	0.30	0.34	0.39	0.45	0.51	0.57	0.72	0.87	1.00	1.00	1.00	1.00	1.00
C	1.00	0.73	0.57	0.48	0.44	0.43	0.42	0.43	0.48	0.55	0.63	0.72	0.82	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.77	0.64	0.56	0.53	0.51	0.51	0.52	0.58	0.66	0.76	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.59	0.32	0.16	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.13	0.18	0.22	0.27	0.33	0.39	0.45
B	1.00	0.65	0.43	0.29	0.21	0.18	0.16	0.16	0.18	0.20	0.24	0.28	0.32	0.37	0.48	0.59	0.72	0.85	0.98	1.00	1.00
C	1.00	0.69	0.49	0.37	0.30	0.27	0.26	0.25	0.28	0.33	0.39	0.46	0.54	0.63	0.82	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.71	0.53	0.41	0.35	0.32	0.31	0.31	0.34	0.40	0.48	0.57	0.68	0.79	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.59	0.32	0.16	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.08	0.13	0.17	0.22	0.27	0.32	0.39	0.45
B	1.00	0.61	0.36	0.20	0.12	0.08	0.06	0.06	0.07	0.09	0.11	0.14	0.17	0.20	0.28	0.36	0.44	0.53	0.63	0.74	0.86
C	1.00	0.62	0.38	0.23	0.15	0.11	0.10	0.09	0.11	0.14	0.18	0.23	0.28	0.34	0.47	0.61	0.76	0.92	1.00	1.00	1.00
D	1.00	0.63	0.39	0.25	0.17	0.13	0.12	0.11	0.14	0.18	0.23	0.29	0.36	0.44	0.61	0.79	0.99	1.00	1.00	1.00	1.00

10-YEAR STORM EI=140

COVER-MANAGEMENT CONDITION--2

VERY LOW RIDGES (0.5-2")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.57	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.57	0.64	0.79	0.95	1.00	1.00	1.00	1.00	1.00
B	1.00	0.81	0.72	0.69	0.68	0.68	0.70	0.75	0.83	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.98	0.97	0.97	0.96	0.96	0.97	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.59	0.36	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.35	0.39	0.44	0.54	0.65	0.76	0.88	1.00	1.00	1.00
B	1.00	0.75	0.62	0.55	0.53	0.52	0.52	0.55	0.61	0.69	0.78	0.88	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.86	0.79	0.75	0.74	0.74	0.74	0.77	0.84	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.93	0.90	0.88	0.87	0.87	0.87	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.61	0.37	0.23	0.17	0.15	0.15	0.15	0.16	0.18	0.20	0.23	0.26	0.30	0.37	0.45	0.53	0.62	0.70	0.82	0.93
B	1.00	0.71	0.53	0.43	0.38	0.37	0.36	0.37	0.41	0.47	0.53	0.61	0.70	0.79	0.99	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.77	0.64	0.56	0.53	0.51	0.51	0.52	0.58	0.66	0.76	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.82	0.71	0.65	0.62	0.61	0.60	0.62	0.69	0.78	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.62	0.37	0.22	0.14	0.10	0.09	0.09	0.09	0.11	0.12	0.14	0.17	0.19	0.25	0.31	0.37	0.44	0.51	0.59	0.68
B	1.00	0.68	0.46	0.34	0.27	0.23	0.22	0.22	0.24	0.28	0.33	0.38	0.45	0.52	0.67	0.85	1.00	1.00	1.00	1.00	1.00
C	1.00	0.71	0.53	0.41	0.35	0.32	0.31	0.31	0.34	0.40	0.48	0.57	0.68	0.79	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.74	0.56	0.46	0.40	0.37	0.36	0.36	0.41	0.48	0.59	0.70	0.84	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.60	0.34	0.18	0.09	0.05	0.05	0.05	0.05	0.05	0.06	0.08	0.09	0.11	0.15	0.20	0.25	0.30	0.35	0.42	0.48
B	1.00	0.62	0.37	0.22	0.14	0.10	0.08	0.08	0.09	0.12	0.15	0.19	0.24	0.28	0.39	0.50	0.63	0.75	0.89	1.00	1.00
C	1.00	0.63	0.39	0.25	0.17	0.13	0.12	0.11	0.14	0.18	0.23	0.29	0.36	0.44	0.61	0.79	0.99	1.00	1.00	1.00	1.00
D	1.00	0.64	0.41	0.27	0.19	0.15	0.14	0.13	0.16	0.22	0.28	0.36	0.45	0.55	0.76	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=140

COVER-MANAGEMENT CONDITION--3

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.66	0.50	0.50	0.50	0.50	0.50	0.50	0.54	0.61	0.70	0.79	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.79	0.68	0.65	0.64	0.64	0.65	0.71	0.79	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.65	0.46	0.37	0.33	0.33	0.32	0.35	0.38	0.43	0.49	0.55	0.62	0.70	0.86	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.73	0.59	0.52	0.49	0.49	0.49	0.52	0.58	0.65	0.73	0.83	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.87	0.80	0.77	0.76	0.76	0.76	0.79	0.86	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.92	0.88	0.86	0.85	0.85	0.85	0.88	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.64	0.43	0.31	0.25	0.23	0.23	0.23	0.25	0.29	0.32	0.37	0.42	0.47	0.59	0.72	0.85	0.99	1.00	1.00	1.00
B	1.00	0.69	0.51	0.41	0.36	0.34	0.34	0.35	0.38	0.43	0.50	0.57	0.65	0.73	0.92	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.78	0.65	0.57	0.54	0.53	0.52	0.54	0.60	0.68	0.78	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.81	0.70	0.63	0.60	0.59	0.59	0.61	0.67	0.77	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.64	0.41	0.27	0.19	0.15	0.14	0.13	0.15	0.17	0.20	0.23	0.26	0.30	0.39	0.49	0.59	0.69	0.80	0.94	1.00
B	1.00	0.67	0.45	0.32	0.25	0.22	0.21	0.20	0.22	0.26	0.30	0.35	0.41	0.48	0.62	0.78	0.95	1.00	1.00	1.00	1.00
C	1.00	0.72	0.53	0.42	0.36	0.33	0.32	0.31	0.35	0.41	0.50	0.59	0.70	0.82	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.73	0.56	0.45	0.39	0.37	0.36	0.35	0.40	0.47	0.57	0.68	0.81	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.61	0.35	0.19	0.11	0.07	0.05	0.05	0.06	0.07	0.09	0.12	0.14	0.17	0.23	0.30	0.37	0.44	0.52	0.62	0.71
B	1.00	0.62	0.37	0.22	0.13	0.09	0.08	0.08	0.08	0.09	0.11	0.14	0.18	0.22	0.26	0.36	0.46	0.58	0.69	0.81	0.97	1.00
C	1.00	0.63	0.39	0.25	0.17	0.13	0.12	0.12	0.14	0.18	0.24	0.30	0.37	0.45	0.63	0.82	1.00	1.00	1.00	1.00	1.00
D	1.00	0.64	0.40	0.26	0.18	0.15	0.13	0.13	0.16	0.21	0.28	0.35	0.44	0.53	0.74	0.97	1.00	1.00	1.00	1.00	1.00

10-YEAR STORM EI=140

COVER-MANAGEMENT CONDITION--4

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.67	0.52	0.50	0.50	0.50	0.50	0.50	0.56	0.64	0.73	0.83	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.89	0.84	0.83	0.82	0.82	0.83	0.88	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.66	0.47	0.38	0.35	0.34	0.34	0.36	0.40	0.45	0.51	0.58	0.65	0.73	0.90	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.81	0.70	0.65	0.63	0.63	0.63	0.66	0.73	0.82	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.89	0.83	0.81	0.80	0.79	0.79	0.83	0.89	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.93	0.90	0.88	0.87	0.87	0.87	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.65	0.43	0.32	0.26	0.24	0.24	0.24	0.27	0.30	0.34	0.39	0.44	0.50	0.62	0.75	0.90	1.00	1.00	1.00	1.00
B	1.00	0.74	0.58	0.49	0.45	0.44	0.43	0.45	0.49	0.56	0.65	0.74	0.85	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.79	0.67	0.60	0.57	0.55	0.55	0.56	0.63	0.72	0.82	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.82	0.71	0.65	0.62	0.61	0.60	0.62	0.69	0.78	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.64	0.41	0.27	0.19	0.16	0.14	0.14	0.15	0.18	0.21	0.24	0.28	0.32	0.41	0.51	0.62	0.73	0.85	0.99	1.00
B	1.00	0.69	0.49	0.37	0.31	0.28	0.26	0.26	0.29	0.34	0.40	0.47	0.56	0.65	0.85	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.72	0.54	0.43	0.37	0.34	0.33	0.33	0.37	0.44	0.52	0.63	0.74	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.74	0.56	0.46	0.40	0.37	0.36	0.36	0.41	0.48	0.59	0.70	0.84	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.61	0.35	0.20	0.11	0.07	0.06	0.05	0.06	0.08	0.10	0.12	0.15	0.18	0.24	0.31	0.39	0.46	0.54	0.65	0.75
B	1.00	0.63	0.38	0.23	0.15	0.11	0.10	0.10	0.11	0.15	0.19	0.24	0.29	0.36	0.49	0.64	0.79	0.95	1.00	1.00	1.00
C	1.00	0.64	0.40	0.26	0.18	0.14	0.13	0.12	0.15	0.19	0.25	0.32	0.40	0.48	0.67	0.88	1.00	1.00	1.00	1.00	1.00
D	1.00	0.64	0.41	0.27	0.19	0.15	0.14	0.13	0.16	0.22	0.28	0.36	0.45	0.55	0.76	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=140

COVER-MANAGEMENT CONDITION--5

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.75	0.63	0.58	0.57	0.57	0.58	0.64	0.72	0.81	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.94	0.91	0.89	0.89	0.89	0.90	0.94	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.71	0.55	0.47	0.44	0.44	0.44	0.47	0.52	0.58	0.66	0.75	0.84	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.84	0.74	0.70	0.69	0.68	0.68	0.72	0.79	0.88	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.91	0.87	0.84	0.83	0.83	0.83	0.86	0.92	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.95	0.93	0.92	0.91	0.91	0.91	0.93	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.68	0.48	0.38	0.33	0.31	0.30	0.31	0.34	0.39	0.44	0.52	0.58	0.65	0.82	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.76	0.61	0.53	0.49	0.48	0.47	0.49	0.54	0.61	0.71	0.81	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.80	0.69	0.62	0.59	0.58	0.58	0.59	0.66	0.75	0.86	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.83	0.73	0.67	0.64	0.63	0.63	0.65	0.72	0.81	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.66	0.44	0.31	0.23	0.20	0.19	0.18	0.20	0.23	0.27	0.31	0.37	0.42	0.55	0.68	0.83	0.98	1.00	1.00	1.00
B	1.00	0.70	0.51	0.39	0.33	0.30	0.29	0.28	0.31	0.37	0.44	0.52	0.62	0.72	0.94	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.73	0.55	0.45	0.39	0.36	0.35	0.35	0.39	0.46	0.55	0.67	0.79	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.74	0.57	0.47	0.42	0.39	0.38	0.38	0.42	0.51	0.62	0.74	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.61	0.36	0.21	0.13	0.09	0.07	0.07	0.08	0.10	0.13	0.16	0.19	0.23	0.32	0.41	0.51	0.61	0.72	0.85	0.99
B	1.00	0.63	0.39	0.24	0.16	0.12	0.11	0.10	0.13	0.16	0.21	0.26	0.33	0.40	0.54	0.71	0.88	1.00	1.00	1.00	1.00
C	1.00	0.64	0.40	0.26	0.18	0.15	0.13	0.13	0.16	0.20	0.27	0.34	0.42	0.52	0.72	0.94	1.00	1.00	1.00	1.00	1.00
D	1.00	0.64	0.41	0.27	0.19	0.16	0.14	0.14	0.17	0.23	0.30	0.39	0.48	0.58	0.81	1.00	1.00	1.00	1.00	1.00	1.00

10-YEAR STORM EI=140

COVER-MANAGEMENT CONDITION--6

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.79	0.68	0.65	0.64	0.64	0.65	0.71	0.79	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.98	0.97	0.97	0.96	0.96	0.97	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.73	0.59	0.52	0.49	0.49	0.49	0.52	0.58	0.65	0.73	0.83	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.86	0.79	0.75	0.74	0.74	0.74	0.77	0.84	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.93	0.90	0.88	0.87	0.87	0.87	0.90	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.96	0.94	0.93	0.93	0.93	0.93	0.95	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.69	0.51	0.41	0.36	0.34	0.34	0.35	0.38	0.43	0.50	0.57	0.65	0.73	0.92	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.77	0.64	0.56	0.53	0.51	0.51	0.52	0.58	0.66	0.76	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.82	0.71	0.65	0.62	0.61	0.60	0.62	0.69	0.78	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.84	0.74	0.68	0.66	0.65	0.64	0.66	0.73	0.83	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.67	0.45	0.32	0.25	0.22	0.21	0.20	0.22	0.26	0.30	0.35	0.41	0.48	0.62	0.78	0.95	1.00	1.00	1.00	1.00
B	1.00	0.71	0.53	0.41	0.35	0.32	0.31	0.31	0.34	0.40	0.48	0.57	0.68	0.79	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.74	0.56	0.46	0.40	0.37	0.36	0.36	0.41	0.48	0.59	0.70	0.84	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.75	0.58	0.48	0.42	0.40	0.39	0.39	0.43	0.52	0.63	0.76	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.62	0.37	0.22	0.13	0.09	0.08	0.08	0.09	0.11	0.14	0.18	0.22	0.26	0.36	0.46	0.58	0.69	0.81	0.97	1.00
B	1.00	0.63	0.39	0.25	0.17	0.13	0.12	0.11	0.14	0.18	0.23	0.29	0.36	0.44	0.61	0.79	0.99	1.00	1.00	1.00	1.00
C	1.00	0.64	0.41	0.27	0.19	0.15	0.14	0.13	0.16	0.22	0.28	0.36	0.45	0.55	0.76	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.64	0.41	0.27	0.20	0.16	0.15	0.14	0.18	0.23	0.31	0.40	0.50	0.60	0.84	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=140

COVER-MANAGEMENT CONDITION--7

VERY LOW RIDGES (0.5-2")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.96	0.95	0.94	0.94	0.94	0.95	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.85	0.77	0.74	0.72	0.72	0.72	0.76	0.82	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.94	0.91	0.90	0.89	0.89	0.89	0.92	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.77	0.63	0.55	0.51	0.50	0.50	0.51	0.57	0.65	0.74	0.86	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.82	0.72	0.66	0.63	0.62	0.62	0.63	0.70	0.80	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.85	0.77	0.72	0.70	0.69	0.69	0.70	0.78	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.87	0.80	0.76	0.74	0.73	0.73	0.74	0.82	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.71	0.52	0.41	0.34	0.31	0.30	0.30	0.33	0.39	0.47	0.56	0.66	0.77	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.74	0.57	0.47	0.41	0.38	0.37	0.37	0.41	0.50	0.60	0.72	0.86	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.76	0.60	0.50	0.45	0.42	0.41	0.41	0.46	0.56	0.68	0.83	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.77	0.61	0.52	0.47	0.45	0.44	0.44	0.49	0.60	0.73	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.63	0.39	0.25	0.17	0.13	0.11	0.11	0.13	0.17	0.22	0.28	0.35	0.42	0.58	0.76	0.95	1.00	1.00	1.00	1.00
B	1.00	0.64	0.41	0.27	0.19	0.15	0.14	0.14	0.17	0.22	0.29	0.37	0.47	0.57	0.79	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.65	0.42	0.28	0.20	0.17	0.16	0.15	0.19	0.25	0.34	0.43	0.54	0.66	0.92	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.65	0.43	0.29	0.21	0.18	0.16	0.16	0.20	0.27	0.36	0.47	0.59	0.72	1.00	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=150

COVER-MANAGEMENT CONDITION--1

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
B	1.00	0.74	0.61	0.57	0.56	0.56	0.57	0.62	0.70	0.79	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.92	0.88	0.86	0.86	0.86	0.87	0.91	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.50	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.36	0.42	0.48
B	1.00	0.70	0.54	0.46	0.43	0.43	0.43	0.45	0.50	0.57	0.64	0.73	0.82	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.82	0.72	0.68	0.66	0.66	0.66	0.69	0.76	0.85	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.89	0.83	0.80	0.79	0.79	0.79	0.82	0.89	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.55	0.28	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.20	0.24	0.29	0.34	0.41	0.47
B	1.00	0.67	0.48	0.37	0.32	0.30	0.29	0.30	0.33	0.38	0.43	0.49	0.56	0.63	0.79	0.97	1.00	1.00	1.00	1.00	1.00
C	1.00	0.75	0.60	0.51	0.47	0.46	0.45	0.47	0.52	0.59	0.68	0.78	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.79	0.66	0.59	0.56	0.55	0.55	0.56	0.62	0.71	0.82	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.59	0.33	0.17	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.14	0.18	0.23	0.28	0.33	0.39	0.46
B	1.00	0.66	0.44	0.30	0.23	0.19	0.18	0.18	0.19	0.22	0.26	0.30	0.35	0.41	0.53	0.66	0.80	0.95	1.00	1.00	1.00
C	1.00	0.70	0.50	0.38	0.32	0.29	0.28	0.27	0.30	0.35	0.42	0.50	0.59	0.68	0.90	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.72	0.54	0.43	0.37	0.34	0.33	0.33	0.36	0.43	0.52	0.62	0.74	0.86	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.59	0.32	0.16	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.09	0.13	0.17	0.22	0.27	0.32	0.39	0.45
B	1.00	0.61	0.36	0.21	0.12	0.08	0.07	0.07	0.08	0.10	0.12	0.15	0.19	0.22	0.31	0.40	0.49	0.59	0.69	0.82	0.95
C	1.00	0.63	0.38	0.24	0.16	0.12	0.10	0.10	0.12	0.15	0.20	0.25	0.31	0.38	0.52	0.67	0.84	1.00	1.00	1.00	1.00
D	1.00	0.64	0.40	0.25	0.18	0.14	0.12	0.12	0.15	0.19	0.25	0.32	0.39	0.48	0.66	0.86	1.00	1.00	1.00	1.00	1.00

10-YEAR STORM EI=150

COVER-MANAGEMENT CONDITION--2

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.59	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.57	0.64	0.72	0.89	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.85	0.77	0.75	0.74	0.74	0.75	0.81	0.88	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.60	0.38	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.35	0.39	0.44	0.49	0.61	0.73	0.86	1.00	1.00	1.00	1.00
B	1.00	0.77	0.65	0.59	0.57	0.57	0.56	0.60	0.66	0.74	0.84	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.89	0.83	0.80	0.79	0.79	0.79	0.82	0.89	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.96	0.94	0.93	0.92	0.92	0.92	0.94	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.61	0.38	0.25	0.19	0.17	0.16	0.17	0.18	0.20	0.23	0.26	0.30	0.33	0.42	0.50	0.60	0.70	0.80	0.92	1.00
B	1.00	0.72	0.55	0.46	0.41	0.40	0.39	0.40	0.44	0.51	0.58	0.66	0.76	0.86	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.79	0.66	0.59	0.56	0.55	0.55	0.56	0.62	0.71	0.82	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.83	0.73	0.68	0.65	0.64	0.64	0.66	0.73	0.83	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.63	0.38	0.23	0.15	0.11	0.10	0.10	0.11	0.12	0.14	0.16	0.19	0.22	0.28	0.34	0.42	0.49	0.57	0.67	0.76
B	1.00	0.68	0.48	0.35	0.28	0.25	0.24	0.23	0.26	0.30	0.36	0.42	0.49	0.57	0.74	0.93	1.00	1.00	1.00	1.00	1.00
C	1.00	0.72	0.54	0.43	0.37	0.34	0.33	0.33	0.36	0.43	0.52	0.62	0.74	0.86	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.74	0.58	0.48	0.42	0.40	0.39	0.38	0.43	0.52	0.63	0.76	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.60	0.34	0.18	0.10	0.05	0.05	0.05	0.05	0.05	0.07	0.08	0.10	0.12	0.17	0.22	0.27	0.33	0.38	0.46	0.53
B	1.00	0.62	0.37	0.23	0.14	0.10	0.09	0.09	0.10	0.13	0.17	0.21	0.26	0.31	0.43	0.55	0.69	0.83	0.98	1.00	1.00
C	1.00	0.64	0.40	0.25	0.18	0.14	0.12	0.12	0.15	0.19	0.25	0.32	0.39	0.48	0.66	0.86	1.00	1.00	1.00	1.00	1.00
D	1.00	0.64	0.41	0.27	0.20	0.16	0.15	0.14	0.17	0.23	0.31	0.39	0.49	0.60	0.83	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=150

COVER-MANAGEMENT CONDITION--3

VERY LOW RIDGES (0.5-2")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.69	0.54	0.50	0.50	0.50	0.50	0.53	0.59	0.67	0.77	0.87	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.82	0.73	0.70	0.69	0.69	0.71	0.76	0.84	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.67	0.48	0.40	0.37	0.36	0.36	0.38	0.42	0.48	0.54	0.61	0.69	0.77	0.95	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.76	0.62	0.56	0.53	0.53	0.53	0.56	0.62	0.70	0.79	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.90	0.84	0.82	0.81	0.81	0.81	0.84	0.90	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.95	0.92	0.91	0.91	0.90	0.90	0.93	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.65	0.44	0.33	0.27	0.25	0.25	0.25	0.28	0.32	0.36	0.41	0.46	0.52	0.66	0.80	0.95	1.00	1.00	1.00	1.00
B	1.00	0.71	0.53	0.43	0.39	0.37	0.37	0.38	0.42	0.47	0.54	0.62	0.71	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.80	0.67	0.61	0.57	0.56	0.56	0.57	0.64	0.73	0.83	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.83	0.72	0.67	0.64	0.63	0.63	0.64	0.71	0.81	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.65	0.42	0.28	0.20	0.17	0.15	0.15	0.16	0.19	0.22	0.25	0.29	0.34	0.44	0.54	0.66	0.78	0.90	1.00	1.00
B	1.00	0.68	0.47	0.34	0.27	0.24	0.22	0.22	0.24	0.28	0.33	0.39	0.46	0.53	0.69	0.86	1.00	1.00	1.00	1.00	1.00
C	1.00	0.72	0.54	0.44	0.38	0.35	0.34	0.34	0.37	0.44	0.53	0.64	0.76	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.74	0.57	0.47	0.41	0.39	0.38	0.38	0.42	0.50	0.61	0.74	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.61	0.35	0.20	0.11	0.07	0.06	0.06	0.06	0.08	0.10	0.13	0.16	0.19	0.25	0.33	0.41	0.49	0.50	0.68	0.79
B	1.00	0.62	0.37	0.22	0.14	0.10	0.08	0.08	0.10	0.12	0.16	0.20	0.24	0.29	0.39	0.51	0.64	0.77	0.90	1.00	1.00
C	1.00	0.64	0.40	0.26	0.18	0.14	0.13	0.12	0.15	0.20	0.26	0.33	0.41	0.49	0.68	0.89	1.00	1.00	1.00	1.00	1.00
D	1.00	0.64	0.41	0.27	0.19	0.16	0.14	0.14	0.17	0.23	0.30	0.38	0.48	0.58	0.81	1.00	1.00	1.00	1.00	1.00	1.00

10-YEAR STORM EI=150

COVER-MANAGEMENT CONDITION--4

VERY LOW RIDGES (0.5-2")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.70	0.56	0.50	0.50	0.50	0.50	0.55	0.62	0.70	0.80	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.93	0.90	0.88	0.88	0.88	0.89	0.93	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.68	0.50	0.41	0.38	0.38	0.38	0.40	0.44	0.50	0.57	0.64	0.72	0.81	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.83	0.74	0.69	0.68	0.67	0.67	0.71	0.78	0.87	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.92	0.88	0.85	0.85	0.85	0.85	0.88	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.96	0.94	0.93	0.92	0.92	0.92	0.94	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.66	0.45	0.34	0.28	0.26	0.26	0.27	0.29	0.33	0.38	0.43	0.49	0.55	0.69	0.84	1.00	1.00	1.00	1.00	1.00
B	1.00	0.75	0.61	0.52	0.48	0.47	0.47	0.48	0.53	0.61	0.70	0.80	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.81	0.69	0.63	0.60	0.59	0.59	0.60	0.67	0.76	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.83	0.73	0.68	0.65	0.64	0.64	0.66	0.73	0.83	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.65	0.42	0.28	0.21	0.17	0.16	0.16	0.17	0.20	0.23	0.27	0.31	0.35	0.46	0.57	0.69	0.82	0.95	1.00	1.00
B	1.00	0.70	0.51	0.39	0.32	0.29	0.28	0.28	0.31	0.36	0.43	0.52	0.61	0.71	0.93	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.73	0.56	0.45	0.39	0.36	0.35	0.35	0.39	0.47	0.56	0.68	0.81	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.74	0.58	0.48	0.42	0.40	0.39	0.38	0.43	0.52	0.63	0.76	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.61	0.35	0.20	0.12	0.08	0.06	0.06	0.07	0.08	0.11	0.13	0.16	0.20	0.27	0.34	0.43	0.51	0.60	0.72	0.83
B	1.00	0.63	0.39	0.24	0.16	0.12	0.11	0.10	0.12	0.16	0.21	0.26	0.32	0.39	0.54	0.70	0.87	1.00	1.00	1.00	1.00
C	1.00	0.64	0.40	0.26	0.18	0.15	0.13	0.13	0.16	0.21	0.27	0.35	0.43	0.53	0.73	0.96	1.00	1.00	1.00	1.00	1.00
D	1.00	0.64	0.41	0.27	0.20	0.16	0.15	0.14	0.17	0.23	0.31	0.39	0.49	0.60	0.83	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=150

COVER-MANAGEMENT CONDITION--5

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.78	0.67	0.63	0.62	0.62	0.64	0.69	0.77	0.87	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.97	0.96	0.96	0.96	0.96	0.96	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.73	0.58	0.51	0.48	0.48	0.48	0.51	0.56	0.63	0.72	0.81	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.86	0.78	0.75	0.73	0.73	0.73	0.77	0.83	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.94	0.91	0.89	0.89	0.88	0.88	0.91	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.98	0.97	0.97	0.96	0.96	0.96	0.97	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.69	0.50	0.40	0.35	0.33	0.33	0.34	0.37	0.42	0.48	0.55	0.63	0.72	0.90	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.77	0.63	0.56	0.52	0.51	0.51	0.52	0.58	0.66	0.76	0.87	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.82	0.71	0.65	0.63	0.61	0.61	0.63	0.70	0.79	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.85	0.75	0.70	0.68	0.67	0.67	0.68	0.76	0.86	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.67	0.45	0.32	0.25	0.21	0.20	0.20	0.22	0.25	0.29	0.35	0.40	0.47	0.60	0.76	0.92	1.00	1.00	1.00	1.00
B	1.00	0.71	0.52	0.41	0.35	0.32	0.31	0.30	0.34	0.40	0.48	0.57	0.67	0.78	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.74	0.57	0.46	0.41	0.38	0.37	0.37	0.41	0.49	0.60	0.72	0.85	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.75	0.59	0.49	0.44	0.41	0.40	0.40	0.45	0.54	0.66	0.80	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.62	0.37	0.21	0.13	0.09	0.08	0.07	0.09	0.11	0.14	0.17	0.21	0.25	0.35	0.45	0.56	0.68	0.79	0.94	1.00
B	1.00	0.63	0.39	0.25	0.17	0.13	0.12	0.11	0.13	0.18	0.23	0.29	0.36	0.43	0.60	0.78	0.97	1.00	1.00	1.00	1.00
C	1.00	0.64	0.41	0.27	0.19	0.15	0.14	0.14	0.17	0.22	0.29	0.37	0.46	0.56	0.78	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.65	0.42	0.28	0.20	0.16	0.15	0.15	0.18	0.24	0.32	0.42	0.52	0.63	0.89	1.00	1.00	1.00	1.00	1.00	1.00

10-YEAR STORM EI=150

COVER-MANAGEMENT CONDITION--6

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.82	0.73	0.70	0.69	0.69	0.71	0.76	0.84	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.76	0.62	0.56	0.53	0.53	0.53	0.56	0.62	0.70	0.79	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.89	0.83	0.80	0.79	0.79	0.79	0.82	0.89	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.96	0.94	0.93	0.92	0.92	0.92	0.94	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.99	0.99	0.98	0.98	0.98	0.98	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.71	0.53	0.43	0.39	0.37	0.37	0.38	0.42	0.47	0.54	0.62	0.71	0.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.79	0.66	0.59	0.56	0.55	0.55	0.56	0.62	0.71	0.82	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.83	0.73	0.68	0.65	0.64	0.64	0.66	0.73	0.83	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.85	0.76	0.71	0.69	0.68	0.68	0.70	0.77	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.68	0.47	0.34	0.27	0.24	0.22	0.22	0.24	0.28	0.33	0.39	0.46	0.53	0.69	0.86	1.00	1.00	1.00	1.00	1.00
B	1.00	0.72	0.54	0.43	0.37	0.34	0.33	0.33	0.36	0.43	0.52	0.62	0.74	0.86	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.74	0.58	0.48	0.42	0.40	0.39	0.38	0.43	0.52	0.63	0.76	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.75	0.59	0.50	0.45	0.42	0.41	0.41	0.46	0.56	0.68	0.82	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.62	0.37	0.22	0.14	0.10	0.08	0.08	0.10	0.12	0.16	0.20	0.24	0.29	0.39	0.51	0.64	0.77	0.90	1.00	1.00
B	1.00	0.64	0.40	0.25	0.18	0.14	0.12	0.12	0.15	0.19	0.25	0.32	0.39	0.48	0.66	0.86	1.00	1.00	1.00	1.00	1.00
C	1.00	0.64	0.41	0.27	0.20	0.16	0.15	0.14	0.17	0.23	0.31	0.39	0.49	0.60	0.83	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.65	0.42	0.28	0.20	0.17	0.15	0.15	0.19	0.25	0.33	0.43	0.54	0.65	0.91	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=150

COVER-MANAGEMENT CONDITION--7

VERY LOW RIDGES (0.5-2")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.88	0.81	0.78	0.77	0.77	0.77	0.80	0.87	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.97	0.95	0.95	0.94	0.94	0.94	0.96	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.78	0.65	0.58	0.55	0.54	0.53	0.55	0.61	0.69	0.80	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.84	0.74	0.69	0.66	0.66	0.65	0.67	0.74	0.84	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.87	0.79	0.75	0.73	0.72	0.72	0.74	0.81	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.89	0.83	0.79	0.77	0.77	0.77	0.78	0.86	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.72	0.53	0.42	0.36	0.33	0.32	0.32	0.36	0.42	0.50	0.60	0.71	0.83	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.75	0.58	0.48	0.43	0.40	0.39	0.39	0.44	0.53	0.64	0.78	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.77	0.61	0.52	0.47	0.44	0.44	0.43	0.49	0.59	0.73	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.78	0.63	0.54	0.49	0.47	0.46	0.46	0.52	0.64	0.78	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6")

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
	Slope %																				
A	1.00	0.63	0.40	0.25	0.17	0.14	0.12	0.12	0.14	0.19	0.24	0.31	0.38	0.46	0.64	0.84	1.00	1.00	1.00	1.00	1.00
B	1.00	0.65	0.41	0.27	0.20	0.16	0.15	0.15	0.18	0.24	0.31	0.40	0.51	0.62	0.86	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.65	0.43	0.29	0.21	0.18	0.16	0.16	0.20	0.27	0.36	0.47	0.58	0.71	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.66	0.43	0.30	0.22	0.19	0.17	0.17	0.21	0.29	0.39	0.51	0.64	0.78	1.00	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=160

COVER-MANAGEMENT CONDITION--1

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
B	1.00	0.77	0.66	0.61	0.60	0.60	0.62	0.67	0.75	0.85	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.95	0.93	0.92	0.92	0.92	0.92	0.95	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.51	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.32	0.37	0.43	0.49
B	1.00	0.72	0.57	0.50	0.47	0.46	0.46	0.49	0.55	0.62	0.70	0.79	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.85	0.76	0.72	0.70	0.70	0.70	0.74	0.81	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.92	0.87	0.85	0.84	0.84	0.84	0.87	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.55	0.28	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.20	0.25	0.30	0.35	0.41	0.47
B	1.00	0.69	0.50	0.39	0.34	0.32	0.32	0.33	0.36	0.41	0.47	0.54	0.61	0.69	0.87	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.76	0.62	0.54	0.50	0.49	0.49	0.50	0.55	0.63	0.73	0.83	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.81	0.69	0.62	0.59	0.58	0.58	0.59	0.66	0.75	0.86	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.59	0.33	0.17	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.10	0.14	0.18	0.23	0.28	0.33	0.39	0.46
B	1.00	0.66	0.45	0.31	0.24	0.21	0.20	0.19	0.21	0.24	0.28	0.33	0.39	0.45	0.58	0.73	0.89	1.00	1.00	1.00	1.00
C	1.00	0.71	0.51	0.40	0.34	0.31	0.29	0.29	0.32	0.38	0.45	0.54	0.64	0.74	0.98	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.73	0.55	0.45	0.39	0.36	0.35	0.35	0.39	0.46	0.56	0.67	0.79	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.59	0.32	0.16	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.09	0.13	0.17	0.22	0.27	0.32	0.39	0.45
B	1.00	0.61	0.36	0.21	0.13	0.09	0.07	0.07	0.08	0.11	0.13	0.17	0.20	0.25	0.34	0.44	0.54	0.65	0.76	0.91	1.00
C	1.00	0.63	0.39	0.24	0.16	0.13	0.11	0.11	0.13	0.17	0.22	0.27	0.34	0.41	0.57	0.74	0.92	1.00	1.00	1.00	1.00
D	1.00	0.64	0.40	0.26	0.18	0.15	0.13	0.13	0.16	0.21	0.27	0.34	0.43	0.52	0.72	0.94	1.00	1.00	1.00	1.00	1.00

10-YEAR STORM EI=160

COVER-MANAGEMENT CONDITION--2

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.61	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.56	0.64	0.72	0.81	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.88	0.82	0.80	0.79	0.79	0.81	0.86	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.62	0.41	0.31	0.30	0.30	0.30	0.30	0.31	0.34	0.39	0.44	0.50	0.55	0.68	0.82	0.97	1.00	1.00	1.00	1.00
B	1.00	0.80	0.68	0.63	0.61	0.61	0.61	0.64	0.71	0.79	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.92	0.87	0.85	0.84	0.84	0.84	0.87	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.99	0.98	0.98	0.98	0.98	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.62	0.39	0.27	0.21	0.19	0.18	0.18	0.20	0.23	0.26	0.29	0.33	0.37	0.46	0.56	0.67	0.78	0.89	1.00	1.00
B	1.00	0.73	0.57	0.48	0.44	0.42	0.42	0.43	0.48	0.54	0.63	0.72	0.82	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.81	0.69	0.62	0.59	0.58	0.58	0.59	0.66	0.75	0.86	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.85	0.76	0.71	0.69	0.68	0.68	0.69	0.76	0.87	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.63	0.39	0.24	0.16	0.13	0.11	0.11	0.12	0.13	0.16	0.18	0.21	0.24	0.31	0.38	0.46	0.55	0.63	0.74	0.85
B	1.00	0.69	0.49	0.37	0.30	0.27	0.26	0.25	0.28	0.33	0.39	0.46	0.54	0.62	0.81	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.73	0.55	0.45	0.39	0.36	0.35	0.35	0.39	0.46	0.56	0.67	0.79	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.75	0.59	0.50	0.44	0.42	0.41	0.41	0.46	0.55	0.67	0.81	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.60	0.34	0.19	0.10	0.06	0.05	0.05	0.05	0.06	0.07	0.09	0.11	0.14	0.19	0.24	0.30	0.36	0.42	0.50	0.59
B	1.00	0.62	0.38	0.23	0.15	0.11	0.10	0.09	0.11	0.14	0.18	0.23	0.28	0.34	0.47	0.61	0.76	0.91	1.00	1.00	1.00
C	1.00	0.64	0.40	0.26	0.18	0.15	0.13	0.13	0.16	0.21	0.27	0.34	0.43	0.52	0.72	0.94	1.00	1.00	1.00	1.00	1.00
D	1.00	0.65	0.42	0.28	0.20	0.17	0.15	0.15	0.18	0.25	0.33	0.42	0.53	0.65	0.90	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=160

COVER-MANAGEMENT CONDITION--3

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.71	0.58	0.53	0.51	0.51	0.53	0.58	0.65	0.73	0.83	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.85	0.78	0.75	0.75	0.75	0.76	0.81	0.89	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.69	0.51	0.43	0.40	0.39	0.39	0.42	0.46	0.52	0.59	0.67	0.76	0.85	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.78	0.65	0.60	0.58	0.57	0.57	0.61	0.67	0.75	0.85	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.93	0.88	0.86	0.86	0.86	0.86	0.89	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.98	0.96	0.96	0.96	0.96	0.96	0.97	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.66	0.46	0.35	0.30	0.28	0.27	0.28	0.31	0.35	0.40	0.45	0.51	0.58	0.72	0.88	1.00	1.00	1.00	1.00	1.00
B	1.00	0.72	0.55	0.46	0.42	0.40	0.40	0.41	0.45	0.51	0.59	0.67	0.77	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.81	0.70	0.64	0.61	0.60	0.59	0.61	0.67	0.77	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.84	0.75	0.70	0.67	0.66	0.66	0.68	0.75	0.85	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.65	0.43	0.29	0.21	0.18	0.17	0.16	0.18	0.20	0.24	0.28	0.32	0.37	0.48	0.60	0.73	0.86	1.00	1.00	1.00
B	1.00	0.68	0.48	0.35	0.28	0.25	0.24	0.24	0.26	0.30	0.36	0.42	0.50	0.58	0.75	0.95	1.00	1.00	1.00	1.00	1.00
C	1.00	0.73	0.56	0.45	0.40	0.37	0.36	0.36	0.40	0.47	0.57	0.69	0.82	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.75	0.59	0.49	0.43	0.41	0.40	0.40	0.45	0.54	0.65	0.79	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.61	0.36	0.20	0.12	0.08	0.06	0.06	0.07	0.09	0.11	0.14	0.17	0.20	0.28	0.36	0.45	0.54	0.63	0.75	0.87
B	1.00	0.62	0.38	0.23	0.14	0.11	0.09	0.09	0.10	0.13	0.17	0.21	0.26	0.32	0.43	0.56	0.70	0.84	0.99	1.00	1.00
C	1.00	0.64	0.41	0.26	0.19	0.15	0.14	0.13	0.16	0.21	0.28	0.35	0.44	0.54	0.74	0.97	1.00	1.00	1.00	1.00	1.00
D	1.00	0.65	0.42	0.28	0.20	0.16	0.15	0.15	0.18	0.24	0.32	0.41	0.51	0.63	0.87	1.00	1.00	1.00	1.00	1.00	1.00

10-YEAR STORM EI=160

COVER-MANAGEMENT CONDITION--4

VERY LOW RIDGES (0.5-2") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.73	0.60	0.55	0.54	0.54	0.55	0.60	0.67	0.76	0.87	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.97	0.95	0.94	0.94	0.94	0.95	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.69	0.53	0.45	0.42	0.41	0.41	0.44	0.48	0.55	0.62	0.70	0.79	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.86	0.78	0.74	0.72	0.72	0.72	0.76	0.83	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.95	0.92	0.90	0.90	0.90	0.90	0.92	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.99	0.98	0.98	0.98	0.98	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.67	0.47	0.36	0.31	0.29	0.28	0.29	0.32	0.36	0.41	0.47	0.54	0.61	0.76	0.93	1.00	1.00	1.00	1.00	1.00
B	1.00	0.77	0.63	0.55	0.52	0.50	0.50	0.51	0.57	0.65	0.75	0.86	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.82	0.72	0.66	0.63	0.62	0.62	0.64	0.71	0.80	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.85	0.76	0.71	0.69	0.68	0.68	0.69	0.76	0.87	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.66	0.43	0.30	0.22	0.19	0.17	0.17	0.19	0.21	0.25	0.29	0.34	0.39	0.51	0.63	0.77	0.91	1.00	1.00	1.00
B	1.00	0.71	0.52	0.41	0.34	0.31	0.30	0.30	0.33	0.39	0.47	0.56	0.66	0.77	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.74	0.57	0.47	0.41	0.38	0.37	0.37	0.42	0.50	0.60	0.73	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.75	0.59	0.50	0.44	0.42	0.41	0.41	0.46	0.55	0.67	0.81	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6") Slope %

Hyd.	0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.61	0.36	0.21	0.12	0.08	0.07	0.06	0.07	0.09	0.12	0.15	0.18	0.21	0.29	0.38	0.47	0.57	0.66	0.79	0.91
B	1.00	0.63	0.39	0.25	0.17	0.13	0.11	0.11	0.13	0.17	0.22	0.28	0.35	0.42	0.59	0.76	0.95	1.00	1.00	1.00	1.00
C	1.00	0.64	0.41	0.27	0.19	0.15	0.14	0.14	0.17	0.22	0.29	0.38	0.47	0.57	0.79	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.65	0.42	0.28	0.20	0.17	0.15	0.15	0.18	0.25	0.33	0.42	0.53	0.65	0.90	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=160

COVER-MANAGEMENT CONDITION--5

VERY LOW RIDGES (0.5-2")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.81	0.72	0.68	0.67	0.67	0.69	0.74	0.82	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.75	0.61	0.55	0.52	0.52	0.52	0.55	0.61	0.68	0.77	0.87	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.88	0.82	0.79	0.78	0.78	0.78	0.81	0.88	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.97	0.95	0.94	0.94	0.94	0.94	0.95	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.70	0.52	0.43	0.38	0.36	0.36	0.37	0.41	0.46	0.53	0.60	0.69	0.78	0.98	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.79	0.66	0.59	0.55	0.54	0.54	0.55	0.61	0.70	0.81	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.84	0.74	0.68	0.66	0.65	0.65	0.66	0.74	0.84	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.86	0.78	0.73	0.71	0.70	0.70	0.72	0.79	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.67	0.46	0.33	0.26	0.23	0.22	0.21	0.24	0.27	0.32	0.38	0.44	0.51	0.67	0.83	1.00	1.00	1.00	1.00	1.00
B	1.00	0.72	0.54	0.43	0.37	0.34	0.33	0.32	0.36	0.43	0.51	0.61	0.73	0.85	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.75	0.58	0.48	0.43	0.40	0.39	0.39	0.44	0.52	0.64	0.77	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.76	0.60	0.51	0.46	0.43	0.42	0.42	0.48	0.58	0.70	0.85	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.62	0.37	0.22	0.14	0.10	0.08	0.08	0.09	0.12	0.15	0.19	0.23	0.28	0.38	0.50	0.62	0.74	0.87	1.00	1.00
B	1.00	0.63	0.40	0.25	0.17	0.14	0.12	0.12	0.14	0.19	0.25	0.31	0.39	0.47	0.65	0.85	1.00	1.00	1.00	1.00	1.00
C	1.00	0.64	0.41	0.27	0.20	0.16	0.15	0.14	0.18	0.24	0.31	0.40	0.50	0.61	0.85	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.65	0.42	0.28	0.21	0.17	0.16	0.16	0.19	0.26	0.35	0.45	0.56	0.69	0.96	1.00	1.00	1.00	1.00	1.00	1.00

10-YEAR STORM EI=160

COVER-MANAGEMENT CONDITION--6

VERY LOW RIDGES (0.5-2")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.85	0.78	0.75	0.75	0.75	0.76	0.81	0.89	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.78	0.65	0.60	0.58	0.57	0.57	0.61	0.67	0.75	0.85	0.96	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.92	0.87	0.85	0.84	0.84	0.84	0.87	0.92	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.99	0.98	0.98	0.98	0.98	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.72	0.55	0.46	0.42	0.40	0.40	0.41	0.45	0.51	0.59	0.67	0.77	0.87	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.81	0.69	0.62	0.59	0.58	0.58	0.59	0.66	0.75	0.86	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.85	0.76	0.71	0.69	0.68	0.68	0.69	0.76	0.87	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.87	0.79	0.75	0.73	0.72	0.72	0.73	0.81	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.68	0.48	0.35	0.28	0.25	0.24	0.24	0.26	0.30	0.36	0.42	0.50	0.58	0.75	0.95	1.00	1.00	1.00	1.00	1.00
B	1.00	0.73	0.55	0.45	0.39	0.36	0.35	0.35	0.39	0.46	0.56	0.67	0.79	0.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.75	0.59	0.50	0.44	0.42	0.41	0.41	0.46	0.55	0.67	0.81	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.76	0.61	0.52	0.47	0.44	0.43	0.43	0.49	0.59	0.72	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.62	0.38	0.23	0.14	0.11	0.09	0.09	0.10	0.13	0.17	0.21	0.26	0.32	0.43	0.56	0.70	0.84	0.99	1.00	1.00
B	1.00	0.64	0.40	0.26	0.18	0.15	0.13	0.13	0.16	0.21	0.27	0.34	0.43	0.52	0.72	0.94	1.00	1.00	1.00	1.00	1.00
C	1.00	0.65	0.42	0.28	0.20	0.17	0.15	0.15	0.18	0.25	0.33	0.42	0.53	0.65	0.90	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.65	0.42	0.29	0.21	0.18	0.16	0.16	0.20	0.27	0.36	0.46	0.58	0.71	0.99	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 12 - RUSLE CONTOUR P SUBFACTORS FOR ON-GRADE CONDITION

10-YEAR STORM EI=160

COVER-MANAGEMENT CONDITION--7

VERY LOW RIDGES (0.5-2")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

LOW RIDGES (2-3")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.91	0.85	0.83	0.82	0.82	0.82	0.85	0.91	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

MODERATE RIDGES (3-4")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.80	0.68	0.61	0.58	0.57	0.57	0.58	0.64	0.73	0.84	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.86	0.77	0.72	0.70	0.69	0.69	0.71	0.78	0.88	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.89	0.82	0.78	0.77	0.76	0.76	0.78	0.85	0.95	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.91	0.85	0.82	0.81	0.80	0.80	0.82	0.89	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

HIGH RIDGES (4-6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.73	0.55	0.44	0.38	0.35	0.34	0.34	0.38	0.45	0.54	0.65	0.77	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.76	0.60	0.50	0.45	0.42	0.42	0.41	0.47	0.56	0.69	0.83	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.77	0.63	0.54	0.49	0.47	0.46	0.46	0.52	0.63	0.77	0.94	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.78	0.64	0.56	0.51	0.49	0.48	0.48	0.55	0.67	0.83	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

VERY HIGH RIDGES (>6")

Hyd.	Slope % 0	1	2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50
A	1.00	0.64	0.40	0.26	0.18	0.14	0.13	0.13	0.15	0.20	0.26	0.33	0.41	0.50	0.70	0.91	1.00	1.00	1.00	1.00	1.00
B	1.00	0.65	0.42	0.28	0.21	0.17	0.16	0.15	0.19	0.25	0.34	0.44	0.55	0.67	0.93	1.00	1.00	1.00	1.00	1.00	1.00
C	1.00	0.66	0.43	0.29	0.22	0.18	0.17	0.17	0.21	0.29	0.39	0.50	0.63	0.77	1.00	1.00	1.00	1.00	1.00	1.00	1.00
D	1.00	0.66	0.44	0.30	0.23	0.19	0.18	0.18	0.22	0.31	0.42	0.54	0.68	0.84	1.00	1.00	1.00	1.00	1.00	1.00	1.00

TABLE 13. ON GRADE CONTOURING P SUBFACTOR VALUE

ADJUSTED FOR FURROW GRADE

Ratio = Furrow Grade / Profile Grade (slope %)

Example: A field with a slope of 6% and row grade of 1%.
1:6 ratio, 1 ÷ 6 = .166; round to 0.2

On Grade Contouring Subfactor Value (From Table 12)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0.04	0.34	0.47	0.57	0.65	0.72	0.78	0.84	0.90	0.95	1.00
0.06	0.36	0.48	0.57	0.65	0.72	0.79	0.85	0.90	0.95	1.00
0.08	0.37	0.49	0.58	0.66	0.73	0.79	0.85	0.90	0.95	1.00
0.10	0.38	0.50	0.59	0.67	0.74	0.80	0.85	0.90	0.95	1.00
0.12	0.40	0.51	0.60	0.68	0.74	0.80	0.86	0.91	0.95	1.00
0.14	0.41	0.52	0.61	0.68	0.75	0.81	0.86	0.91	0.96	1.00
0.16	0.43	0.54	0.62	0.69	0.75	0.81	0.86	0.91	0.96	1.00
0.18	0.44	0.55	0.63	0.70	0.76	0.82	0.87	0.91	0.96	1.00
0.20	0.45	0.56	0.64	0.71	0.77	0.82	0.87	0.92	0.96	1.00
0.22	0.47	0.57	0.65	0.71	0.77	0.82	0.87	0.92	0.96	1.00
0.24	0.48	0.58	0.66	0.72	0.78	0.83	0.88	0.92	0.96	1.00
0.26	0.49	0.59	0.67	0.73	0.78	0.83	0.88	0.92	0.96	1.00
0.28	0.51	0.60	0.67	0.74	0.79	0.84	0.88	0.92	0.96	1.00
0.30	0.52	0.61.	0.68	0.74	0.79	0.84	0.89	0.93	0.96	1.00
0.32	0.54	0.62	0.69	0.75	0.80	0.85	0.89	0.93	0.97	1.00
0.34	0.55	0.64	0.70	0.76	0.81	0.85	0.89	0.93	0.97	1.00
0.36	0.56	0.65	0.71	0.76	0.81	0.86	0.90	0.93	0.97	1.00
0.38	0.58	0.66	0.72	0.77	0.82	0.86	0.90	0.93	0.97	1.00
0.40	0.59	0.67	0.73	0.78	0.82	0.86	0.90	0.94	0.97	1.00
0.42	0.60	0.68	0.74	0.79	0.83	0.87	0.91	0.94	0.97	1.00
0.44	0.62	0.69	0.75	0.79	0.84	0.87	0.91	0.94	0.97	1.00
0.44	0.63	0.70	0.76	0.80	0.84	0.88	0.91	0.94	0.97	1.00
0.48	0.64	0.71	0.76	0.81	0.85	0.88	0.92	0.95	0.97	1.00
0.50	0.66	0.72	0.77	0.82	0.85	0.89	0.92	0.95	0.97	1.00

TABLE 13. (cont.) CONTOURING P SUBFACTOR VALUE

ADJUSTED FOR FURROW GRADE

Ratio = Furrow Grade / Profile Grade (slope %)

Example: A field with a slope of 6% and row grade of 1%.
1:6 ratio, 1 ÷ 6 = .166; round to 0.2

On Grade Contouring Subfactor Value (From Table 12)	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0.52	0.67	0.73	0.78	0.82	0.86	0.89	0.92	0.95	0.98	1.00
0.54	0.69	0.75	0.79	0.83	0.87	0.90	0.92	0.95	0.98	1.00
0.56	0.70	0.76	0.80	0.84	0.87	0.90	0.93	0.95	0.98	1.00
0.58	0.71	0.77	0.81	0.85	0.88	0.91	0.93	0.96	0.98	1.00
0.60	0.73	0.78	0.82	0.85	0.88	0.91	0.93	0.96	0.98	1.00
0.62	0.74	0.79	0.83	0.86	0.89	0.91	0.94	0.96	0.98	1.00
0.64	0.75	0.80	0.84	0.87	0.89	0.92	0.94	0.96	0.98	1.00
0.66	0.77	0.81	0.85	0.88	0.90	0.92	0.94	0.96	0.98	1.00
0.68	0.78	0.82	0.86	0.88	0.91	0.93	0.95	0.97	0.98	1.00
0.70	0.79	0.83	0.86	0.89	0.91	0.93	0.95	0.97	0.98	1.00
0.72	0.81	0.85	0.87	0.90	0.92	0.94	0.95	0.97	0.99	1.00
0.74	0.82	0.86	0.88	0.90	0.92	0.94	0.96	0.97	0.99	1.00
0.76	0.84	0.87	0.89	0.91	0.93	0.95	0.96	0.97	0.99	1.00
0.78	0.85	0.88	0.90	0.92	0.94	0.95	0.96	0.98	0.99	1.00
0.80	0.86	0.89	0.91	0.93	0.94	0.95	0.97	0.98	0.99	1.00
0.82	0.88	0.90	0.92	0.93	0.95	0.96	0.97	0.98	0.99	1.00
0.84	0.89	0.91	0.93	0.94	0.95	0.96	0.97	0.98	0.99	1.00
0.86	0.90	0.92	0.94	0.95	0.96	0.97	0.98	0.99	0.99	1.00
0.88	0.92	0.93	0.95	0.96	0.96	0.97	0.98	0.99	0.99	1.00
0.90	0.93	0.94	0.95	0.96	0.97	0.98	0.98	0.99	0.99	1.00
0.92	0.95	0.96	0.96	0.97	0.98	0.98	0.99	0.99	1.00	1.00
0.94	0.96	0.97	0.97	0.98	0.98	0.99	0.99	0.99	1.00	1.00
0.96	0.97	0.98	0.98	0.99	0.99	0.99	0.99	1.00	1.00	1.00
0.98	0.99	0.99	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00
1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

RUSLE P SUBFACTOR VALUES FOR TERRACING

Step 1. Gather information for use in RUSLE.

a) Determine the slope gradient of the landscape profile. Will it change with construction of terrace? If yes, determine new slope gradient.

b) Determine what supporting conservation practice will accompany the terraces, contouring or contour stripcropping.

c) Select the terrace horizontal spacing interval based on the state terrace standard to be used with **Table 14**.

d) Decide whether terrace will have an open or closed outlet. (Open outlets are normally used in North Carolina).

e) If an open outlet, decide channel grade of terrace at outlet end. If channel grade is 0.8 or greater, skip step 2, since the terrace P subfactor equals 1.0. Do proceed with step 3, however.

Step 2. Determine terrace P subfactor.

a) Enter **Table 14**. Select proper horizontal terrace interval. Read across to the selected outlet type. If it is an open outlet, then select the appropriate terrace channel grade range column. Read the P subfactor value at the row-column intersection.

Step 3. Recalculate LS, if necessary.

a) If terrace horizontal spacing interval is less than landscape profile slope length, recalculate original LS value to reflect shorter slope length.

b) If significant earthmoving will cause a change in landscape profile slope, use the new landscape slope.

c) Enter appropriate LS table and use the terrace interval for new slope length (L) and the new profile slope (S). This new LS value will be used to calculate soil loss for this selected profile.

Step 4. Determine composite P factor for terracing when used in combination with contouring alone, or with contouring and stripcropping.

a) When terraces are used in conjunction with contouring, multiply terrace P subfactor times the contouring P subfactor to get the composite P factor.

b) When terraces are used in conjunction with both contouring and stripcropping, multiply all three P subfactors together to get the composite P factor.

Example

Step 1. Gather information.

a) Landscape profile = 4%. Will not change with construction of terrace.

b) Contouring will be used. Row grades will parallel to the terrace channel.

c) Horizontal spacing interval selected is 100 feet, slope length = 100 feet.

d) Open outlet selected. Terraces will outlet into grassed waterway.

e) Terrace channel grade will be 0.5%.

Step 2. Determine P subfactor for Terracing.

a) In Table 14 find horizontal interval range "Less than 110 feet" and read across to "Open Outlets", with percent grade of 0.4-0.7. The P subfactor value is 0.7.

Step 3. Adjust LS value.

a) The horizontal terrace spacing interval = 100 feet. Because the terrace spacing interval is the same as the original slope length, no adjustment for slope length is needed.

b) No appreciable change in the landscape profile slope is expected. Continue to use 4%.

c) No adjustment in LS is needed.

Step 4. Determine composite P factor.

a) Contour P subfactor is based on a 10 year EI = 120, Cover-Management Condition = 6, Moderate Ridges(3-4 inches), soil hydrologic group = C, and 0.5% row grade. The off-contour P subfactor is 0.54.

b) Multiply terrace P subfactor 0.7 times off-contour P subfactor 0.54. The product, 0.38,is the composite P factor.

Table 14 . Terrace P subfactor values for conservation planning[1]

Horizontal terrace interval	Closed outlets[2]	Terrace P subfactor values: Open outlets, with percent grade of[3] 0.1-0.3	0.4-0.7	>0.8
feet				
Less than 110	0.5	0.6	0.7	1.0
110-140	0.6	0.7	0.8	1.0
140-180	0.7	0.8	0.9	1.0
180-225	0.8	0.8	0.9	1.0
225-300	0.9	0.9	0.9	1.0
More than 300	1.0	1.0	1.0	1.0

[1]Multiply these values by other P subfactor values for contouring, stripcropping, or other supporting practices on interterrace interval to obtain composite P factor value.

[2]Values for closed-outlet terraces also apply to terraces with underground outlets and to level terraces with open outlets. (None in NC)

[3]Channel grade is measured on the 300 feet of terrace closest to the outlet or one-third of the total length, whichever distance is less.

RUSLE P SUBFACTOR VALUES FOR STRIPCROPPING

Stripcropping sub-factors will require the use of the software not available to field office staffs until FOCS RUSLE is in use. In the interim, if you need a stripcropping P sub-factor calculated, fill out the following worksheet and send to the conservation agronomist.

WORKSHEET FOR CALCULATION OF RUSLE P SUBFACTORS

P SUBFACTOR FOR STRIP CROPPING

County _____

10 year EI _____ (from table of 10–year Single Storm Erosion Index Values)

Soil Hydrologic Group _____ A, B, C, or D (from RUSLE Soil Data)

Downhill Slope_____% (from field measurement)

Grade along Furrow _____% (from field measurement)

Ridge Height in sod strip _____ Very Low, Low. Moderate, High, Very High (see Table 11)

Ridge Height in cropped strip _____ Very Low, Low. Moderate, High, Very High (see Table 11)

Cover-Management Condition in sod strip _____ 1 through 7 (see Table 10)

Cover-Management Condition in cropped strip _____ 1 through 7 (see Table 10)

Width of each Strip _____ (ft.)

Enter crop grown in blank below.

	Year	1	2	3	4
(Top of slope)	Strip 1 Crop				
	Strip 2 Crop				
	Strip 3 Crop				
	Strip 4 Crop				

EXAMPLE

A field in Halifax County is predominately Gritney fine sandy loam on a B slope. A field check and discussion with the client reveals:

- the slope is 6% and the slope length is 120 ft.
- continuous, conventionally planted cotton is grown with no winter cover. No fall plowing is done. Ridges are 3-4 inches high
- the rows are arranged so that the row grade is around 2%

What is the average annual soil loss with this production system?

Solution: Derive the numbers for each factor in the equation, RKLSCP as follows:

1. The R factor for Halifax County is 250, as read directly from the R factor table on page R-3.
2. The K factor is derived as follows: From the *RUSLE* soil data sheet, page K-74, read under the "Kf" column opposite GtB, the number .20. Next, turn to the "Average Annual *RUSLE* K Factors for coastal plain on page K-186. Find .20 under the "Kf" column, then read an "adjusted average annual *RUSLE* K" of .15. This .15 is the K value to use.
3. Choose Table 4-2 on page LS-4 to determine the LS value. Note that there is no column for a 120 foot slope length, therefore, interpolation is in order. Determine that the LS value is 0.84 by interpolation.
4. From the *RUSLE* C values, coastal plain, page C-3, determine that the C value is .340.
5. Follow the steps on page P-2 to determine the P factor:
   - The 10-year EI for Halifax County is 120 as selected from the table on page P-5.
   - Select code 6 as the cover-management condition on page P-7.
   - From the "moderate" ridge (3-4 inches) section of the on-grade Table 12 on page P-35, read across the Hydrologic group C line to 6% slope column. The on-grade P value is .53. This would be the value if the rows were level. Note: The Hydrologic group is listed on the "*RUSLE* Soil Data Sheet".
   - Next, go to Table 13 on page P-54. Calculate the Furrow Grade to Profile Grade ratio as follows:
     Furrow grade = 2%, Profile Grade = 6%
     2/6 = .33. Round down to 0.3. Now find the Table 12 value, .53. Since .53 is not listed, round up to .54 and read across to the 0.3 ratio column and read .79. This is the "P" factor to use on this site.

Now, having determined all the equation factors, enter them as follows and multiply:

A = RKLSCP
A = 250 x .15 x .84 x .340 x .79
A = 8.46 tons/ac/yr