Table A1.4. Three Hills Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID		*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0-2.5}$	STP_{0-15}	l_i
05CE007	13966	8	2.14E+06	4.44E+06	4.00E-06	6.27	13425	7.3	1.17	7	14639	0.6	42	30	8.6
05CE007	13932	8	1.04E+07	4.44E+06	4.00E-06	5.82	60495	7.3	1.26	6	65968	0.6	45	34	41.6
05CE007	14026	8	1.65E+06	4.44E+06	4.00E-06	2.69	4431	7.3	2.73	3	4831	1.4	102	86	6.6
05CE007	13998	8	1.10E+06	4.44E+06	4.00E-06	3.02	3314	7.3	2.43	3	3614	1.2	90	75	4.4
05CE007	13913	8	4.40E+06	4.44E+06	4.00E-06	8.20	36100	7.3	0.89	9	39366	0.4	31	21	17.6
05CE007	14017	8	3.50E+06	4.44E+06	4.00E-06	6.31	22080	7.3	1.16	7	24078	0.6	42	30	14.0
05CE007	14021	8	3.26E+06	4.44E+06	4.00E-06	2.16	7049	7.3	3.40	2	7687	1.7	128	110	13.1
05CE007	13938	8	5.90E+06	4.44E+06	4.00E-06	3.99	23526	7.3	1.84	4	25654	0.9	68	54	23.6
05CE007	13951	8	1.22E+06	4.44E+06	4.00E-06	6.15	7532	7.3	1.19	7	8213	0.6	43	31	4.9
05CE007	7655	8	2.34E+06	4.44E+06	4.00E-06	3.35	7848	7.3	2.19	4	8558	1.1	81	67	9.4
05CE007	13955	8	4.95E+06	4.44E+06	4.00E-06	1.87	9265	7.3	3.92	2	10104	2.0	148	129	19.8
05CE007	13933	8	4.68E+06	4.44E+06	4.00E-06	6.43	30064	7.3	1.14	7	32784	0.6	41	29	18.7
05CE007	7674	8	1.31E+07	4.44E+06	4.00E-06	5.51	72236	7.3	1.33	6	78771	0.7	48	36	52.4
05CE007	13939	8	3.59E+06	4.44E+06	4.00E-06	3.99	14311	7.3	1.84	4	15605	0.9	68	54	14.3
05CE007	7661	8	5.87E+06	4.44E+06	4.00E-06	3.34	19597	7.3	2.20	4	21369	1.1	81	67	23.5
05CE007	13918	8	6.31E+06	4.44E+06	4.00E-06	5.65	35677	7.3	1.30	6	38904	0.6	47	35	25.3
05CE007	7656	8	1.06E+07	4.44E+06	4.00E-06	5.49	58247	7.3	1.34	6	63516	0.7	48	36	42.4
05CE007	14005	8	5.59E+05	4.44E+06	4.00E-06	5.31	2968	7.3	1.38	6	3237	0.7	50	38	2.2
05CE007	7659	8	8.24E+06	4.44E+06	4.00E-06	4.72	38899	7.3	1.55	5	42418	0.8	57	44	33.0
05CE007	14016	8	6.75E+06	4.44E+06	4.00E-06	3.11	20995	7.3	2.36	3	22894	1.2	88	73	27.0
05CE007	7663	8	2.67E+06	4.44E+06	4.00E-06	13.71	36626	7.3	0.54	15	39940	0.3	18	8	10.7
05CE007	7666	8	1.81E+07	4.44E+06	4.00E-06	15.30	276796	7.3	0.48	17	301836	0.2	15	6	72.4
05CE007	13930	8	1.75E+06	4.44E+06	4.00E-06	4.50	7854	7.3	1.63	5	8565	0.8	60	47	7.0
05CE007	14013	8	1.63E+06	4.44E+06	4.00E-06	3.41	5554	7.3	2.15	4	6057	1.1	80	65	6.5
05CE007	14014	8	5.10E+06	4.44E+06	4.00E-06	3.26	16634	7.3	2.25	4	18139	1.1	84	69	20.4
05CE007	7671	8	2.37E+06	4.44E+06	4.00E-06	9.94	23600	7.3	0.74	11	25735	0.4	25	15	9.5
05CE007	13958	8	3.09E+05	4.44E+06	4.00E-06	2.80	864	7.3	2.62	3	942	1.3	98	82	1.2
05CE007	7670	8	1.12E+07	4.44E+06	4.00E-06	14.57	162896	7.3	0.50	16	177632	0.3	16	7	44.7

Table A1.4. Three Hills Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID		*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0-2.5}$	STP_{0-15}	l_i
05CE007	7662	8	2.88E+06	4.44E+06	4.00E-06	13.95	40129	7.3	0.53	15	43759	0.3	17	7	11.5
05CE007	13952	8	8.10E+05	4.44E+06	4.00E-06	2.29	1855	7.3	3.20	2	2023	1.6	120	103	3.2
05CE007	14022	8	6.40E+06	4.44E+06	4.00E-06	2.16	13817	7.3	3.40	2	15067	1.7	128	110	25.6
05CE007	11590	8	3.35E+06	4.44E+06	4.00E-06	4.82	16167	7.3	1.52	5	17629	0.8	56	43	13.4
05CE007	11570	8	4.39E+06	4.44E+06	4.00E-06	4.10	17998	7.3	1.79	4	19626	0.9	66	52	17.6
05CE007	13960	8	2.32E+06	4.44E+06	4.00E-06	1.86	4320	7.3	3.94	2	4711	2.0	149	129	9.3
05CE007	11573	8	3.03E+06	4.44E+06	4.00E-06	4.08	12376	7.3	1.80	4	13495	0.9	66	53	12.1
05CE007	13959	8	4.33E+06	4.44E+06	4.00E-06	1.66	7188	7.3	4.42	2	7838	2.2	167	146	17.3
05CE007	7331	8	7.23E+06	4.44E+06	4.00E-06	4.95	35774	7.3	1.48	5	39010	0.7	54	42	28.9
05CE007	7342	8	1.09E+06	4.44E+06	4.00E-06	3.41	3709	7.3	2.15	4	4045	1.1	80	65	4.4
05CE007	11600	8	2.69E+06	4.44E+06	4.00E-06	5.68	15292	7.3	1.29	6	16675	0.6	47	35	10.8
05CE007	7344	8	2.46E+06	4.44E+06	4.00E-06	3.35	8248	7.3	2.19	4	8994	1.1	81	67	9.8
05CE007	11571	8	8.61E+06	4.44E+06	4.00E-06	3.67	31586	7.3	2.00	4	34444	1.0	74	60	34.4
05CE007	7669	8	5.00E+06	4.44E+06	4.00E-06	10.23	51105	7.3	0.72	11	55728	0.4	25	14	20.0
05CE007	13961	8	3.50E+06	4.44E+06	4.00E-06	1.98	6921	7.3	3.71	2	7547	1.9	140	121	14.0
05CE007	11583	8	2.57E+06	4.44E+06	4.00E-06	4.68	12043	7.3	1.57	5	13132	0.8	57	45	10.3
05CE007	7664	8	4.61E+06	4.44E+06	4.00E-06	13.71	63246	7.3	0.54	15	68967	0.3	18	8	18.5
05CE007	7347	8	2.17E+06	4.44E+06	4.00E-06	3.83	8297	7.3	1.92	4	9048	1.0	71	57	8.7
05CE007	13962	8	3.31E+06	4.44E+06	4.00E-06	1.67	5533	7.3	4.39	2	6033	2.2	166	145	13.3
05CE007	11592	8	2.96E+06	4.44E+06	4.00E-06	3.91	11590	7.3	1.88	4	12638	0.9	69	56	11.9
05CE007	7313	8	3.91E+06	4.44E+06	4.00E-06	8.07	31552	7.3	0.91	9	34406	0.5	32	21	15.6
05CE007	7676	8	1.30E+06	4.44E+06	4.00E-06	5.15	6717	7.3	1.42	6	7325	0.7	52	39	5.2
05CE007	13940	8	3.47E+06	4.44E+06	4.00E-06	4.42	15358	7.3	1.66	5	16747	0.8	61	48	13.9
05CE007	7658	8	8.81E+06	4.44E+06	4.00E-06	4.09	36041	7.3	1.79	4	39301	0.9	66	53	35.2
05CE007	7275	8	5.51E+06	4.44E+06	4.00E-06	8.81	48569	7.3	0.83	10	52962	0.4	29	18	22.1
05CE007	11596	8	8.26E+05	4.44E+06	4.00E-06	5.12	4230	7.3	1.43	6	4612	0.7	52	40	3.3
05CE007	7319	8	7.12E+06	4.44E+06	4.00E-06	4.61	32835	7.3	1.59	5	35806	0.8	58	45	28.5
05CE007	11555	8	7.15E+06	4.44E+06	4.00E-06	6.82	48767	7.3	1.08	7	53178	0.5	38	27	28.6

Table A1.4. Three Hills Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID		*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0-2.5}$	STP_{0-15}	l_i
05CE007	7320	8	1.67E+06	4.44E+06	4.00E-06	2.83	4725	7.3	2.59	3	5152	1.3	97	81	6.7
05CE007	11562	8	7.37E+06	4.44E+06	4.00E-06	6.97	51347	7.3	1.05	8	55992	0.5	37	26	29.5
05CE007	11560	8	6.65E+06	4.44E+06	4.00E-06	7.50	49858	7.3	0.98	8	54368	0.5	35	24	26.6
05CE007	7673	8	4.78E+06	4.44E+06	4.00E-06	6.20	29651	7.3	1.18	7	32333	0.6	43	31	19.1
05CE007	7326	8	6.54E+06	4.44E+06	4.00E-06	3.54	23141	7.3	2.07	4	25235	1.0	77	63	26.1
05CE007	7278	8	3.55E+06	4.44E+06	4.00E-06	6.03	21399	7.3	1.22	7	23335	0.6	44	32	14.2
05CE007	7314	8	5.64E+06	4.44E+06	4.00E-06	8.28	46712	7.3	0.89	9	50938	0.4	31	20	22.6
05CE007	7315	8	2.99E+06	4.44E+06	4.00E-06	9.50	28417	7.3	0.77	10	30988	0.4	27	16	12.0
05CE007	7273	8	8.63E+06	4.44E+06	4.00E-06	8.13	70175	7.3	0.90	9	76523	0.5	32	21	34.5
05CE007	7335	8	2.59E+06	4.44E+06	4.00E-06	4.02	10402	7.3	1.82	4	11342	0.9	67	54	10.3
05CE007	7650	8	9.86E+05	4.44E+06	4.00E-06	6.44	6352	7.3	1.14	7	6927	0.6	41	29	3.9
05CE007	7277	8	1.99E+06	4.44E+06	4.00E-06	5.98	11921	7.3	1.23	7	12999	0.6	44	32	8.0
05CE007	7299	8	7.21E+06	4.44E+06	4.00E-06	17.50	126091	7.3	0.42	19	137498	0.2	13	4	28.8
05CE007	7356	8	1.89E+06	4.44E+06	4.00E-06	6.32	11919	7.3	1.16	7	12997	0.6	42	30	7.5
05CE007	7353	8	1.63E+06	4.44E+06	4.00E-06	6.87	11168	7.3	1.07	7	12178	0.5	38	27	6.5
05CE007	7317	8	4.75E+06	4.44E+06	4.00E-06	9.50	45111	7.3	0.77	10	49192	0.4	27	16	19.0
05CE007	7282	8	7.59E+06	4.44E+06	4.00E-06	2.84	21564	7.3	2.58	3	23515	1.3	96	81	30.4
05CE007	7316	8	2.46E+06	4.44E+06	4.00E-06	9.50	23361	7.3	0.77	10	25474	0.4	27	16	9.8
05CE007	7279	8	8.38E+06	4.44E+06	4.00E-06	6.03	50502	7.3	1.22	7	55070	0.6	44	32	33.5
05CE007	7309	8	3.88E+06	4.44E+06	4.00E-06	12.62	48976	7.3	0.58	14	53406	0.3	19	9	15.5
05CE007	7289	8	2.23E+06	4.44E+06	4.00E-06	17.26	38534	7.3	0.43	19	42020	0.2	13	4	8.9
05CE007	7352	8	1.32E+06	4.44E+06	4.00E-06	6.87	9055	7.3	1.07	7	9874	0.5	38	27	5.3
05CE007	7293	8	1.49E+06	4.44E+06	4.00E-06	18.11	27056	7.3	0.41	20	29503	0.2	13	3	6.0
05CE007	7294	8	7.73E+06	4.44E+06	4.00E-06	17.79	137536	7.3	0.41	19	149978	0.2	13	3	30.9
05CE007	7354	8	1.53E+06	4.44E+06	4.00E-06	6.87	10503	7.3	1.07	7	11454	0.5	38	27	6.1
05CE007	7292	8	1.91E+06	4.44E+06	4.00E-06	18.11	34618	7.3	0.41	20	37750	0.2	13	3	7.6
05CE007	7291	8	2.33E+06	4.44E+06	4.00E-06	18.11	42137	7.3	0.41	20	45949	0.2	13	3	9.3
05CE007	7355	8	9.26E+05	4.44E+06	4.00E-06	6.87	6361	7.3	1.07	7	6936	0.5	38	27	3.7

Table A1.4. Three Hills Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID		*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0-2.5}$	STP_{0-15}	l_i
05CE007	7288	8	6.16E+06	4.44E+06	4.00E-06	4.53	27892	7.3	1.62	5	30415	0.8	59	46	24.6
05CE007	7284	8	8.69E+05	4.44E+06	4.00E-06	2.80	2433	7.3	2.62	3	2653	1.3	98	82	3.5
05CE007	7283	8	2.22E+05	4.44E+06	4.00E-06	2.84	632	7.3	2.58	3	689	1.3	96	81	0.9
05CE007	7295	8	1.06E+07	4.44E+06	4.00E-06	17.79	189019	7.3	0.41	19	206118	0.2	13	3	42.5
05CE007	7318	8	4.02E+06	4.44E+06	4.00E-06	8.46	34030	7.3	0.87	9	37109	0.4	30	20	16.1
05CE007	7310	8	2.43E+06	4.44E+06	4.00E-06	9.36	22750	7.3	0.78	10	24808	0.4	27	17	9.7
05CE007	7323	8	1.97E+06	4.44E+06	4.00E-06	7.42	14623	7.3	0.99	8	15946	0.5	35	24	7.9
05CE007	28128	8	4.75E+05	4.44E+06	4.00E-06	7.13	3390	7.3	1.03	8	3697	0.5	37	25	1.9
05CE007	7327	8	7.49E+05	4.44E+06	4.00E-06	5.69	4263	7.3	1.29	6	4648	0.6	47	35	3.0
05CE007	7396	8	2.64E+05	4.44E+06	4.00E-06	10.88	2872	7.3	0.67	12	3132	0.3	23	13	1.1
05CE007	7271	8	1.55E+06	4.44E+06	4.00E-06	8.91	13818	7.3	0.82	10	15068	0.4	29	18	6.2
05CE007	7338	8	2.47E+06	4.44E+06	4.00E-06	7.81	19283	7.3	0.94	9	21027	0.5	33	22	9.9
05CE007	7324	8	1.15E+06	4.44E+06	4.00E-06	3.62	4168	7.3	2.03	4	4545	1.01	75	61	4.6
Total			5.54E+08				4067263								2217.6

[z] RD = runoff depth

[y] RV = runoff volume

Table A1.5. Buffalo Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05FE002	16844	17	2.09E+06	1.21E+07	8.50E-06	10.33	21607	6.2	0.60	28	59551	0.3	20	10	17.8
05FE002	16675	17	6.88E+06	1.21E+07	8.50E-06	5.30	36471	6.2	1.16	15	100519	0.6	42	30	58.5
05FE002	16588	17	1.02E+08	1.21E+07	8.50E-06	4.23	433273	6.2	1.46	12	1194150	0.7	53	41	870.6
05FE002	28185	17	7.41E+05	1.21E+07	8.50E-06	11.42	8467	6.2	0.54	31	23335	0.3	18	8	6.3
05FE002	16483	17	4.38E+07	1.21E+07	8.50E-06	10.00	438019	6.2	0.62	28	1207231	0.3	21	11	372.3
05FE002	16514	17	3.71E+07	1.21E+07	8.50E-06	6.32	234424	6.2	0.98	17	646100	0.5	35	23	315.3
05FE002	16495	17	2.57E+06	1.21E+07	8.50E-06	7.59	19496	6.2	0.81	21	53733	0.4	28	18	21.8
05FE002	16607	17	2.85E+06	1.21E+07	8.50E-06	2.71	7726	6.2	2.28	7	21295	1.1	85	70	24.2
05FE002	16615	17	2.73E+06	1.21E+07	8.50E-06	3.73	10166	6.2	1.65	10	28018	0.8	61	48	23.2
05FE002	16479	17	4.61E+06	1.21E+07	8.50E-06	10.15	46839	6.2	0.61	28	129094	0.3	20	10	39.2
05FE002	16604	17	5.53E+06	1.21E+07	8.50E-06	9.10	50333	6.2	0.68	25	138723	0.3	23	13	47.0
05FE002	16511	17	4.78E+07	1.21E+07	8.50E-06	5.29	252750	6.2	1.17	15	696608	0.6	42	30	406.1
05FE002	16530	17	8.39E+06	1.21E+07	8.50E-06	9.21	77250	6.2	0.67	25	212909	0.3	23	12	71.3
05FE002	16518	17	3.44E+06	1.21E+07	8.50E-06	5.97	20551	6.2	1.03	16	56642	0.5	37	25	29.3
05FE002	16537	17	6.90E+06	1.21E+07	8.50E-06	10.71	73884	6.2	0.58	30	203634	0.3	19	9	58.6
05FE002	16517	17	6.13E+05	1.21E+07	8.50E-06	5.82	3570	6.2	1.06	16	9838	0.5	38	26	5.2
05FE002	16526	17	1.24E+06	1.21E+07	8.50E-06	10.15	12581	6.2	0.61	28	34675	0.3	20	10	10.5
05FE002	16440	17	7.83E+05	1.21E+07	8.50E-06	8.93	6996	6.2	0.69	25	19282	0.3	24	13	6.7
05FE002	16441	17	1.49E+06	1.21E+07	8.50E-06	8.93	13275	6.2	0.69	25	36588	0.3	24	13	12.6
05FE002	16471	17	9.16E+05	1.21E+07	8.50E-06	9.05	8289	6.2	0.68	25	22847	0.3	23	13	7.8
05FE002	16579	17	1.40E+06	1.21E+07	8.50E-06	9.45	13258	6.2	0.65	26	36541	0.3	22	12	11.9
05FE002	16557	17	6.50E+05	1.21E+07	8.50E-06	8.15	5301	6.2	0.76	22	14609	0.4	26	16	5.5
05FE002	16515	17	5.22E+05	1.21E+07	8.50E-06	5.78	3018	6.2	1.07	16	8319	0.5	38	27	4.4
05FE002	16608	17	1.14E+06	1.21E+07	8.50E-06	4.94	5646	6.2	1.25	14	15561	0.6	45	33	9.7
05FE002	16516	17	1.37E+06	1.21E+07	8.50E-06	5.78	7898	6.2	1.07	16	21769	0.5	38	27	11.6
05FE002	16578	17	2.08E+06	1.21E+07	8.50E-06	2.72	5664	6.2	2.27	7	15612	1.1	84	70	17.7
05FE002	16513	17	2.00E+06	1.21E+07	8.50E-06	6.06	12103	6.2	1.02	17	33357	0.5	36	25	17.0

Table A1.5. Buffalo Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05FE002	16594	17	1.82E+07	1.21E+07	8.50E-06	3.13	56967	6.2	1.97	9	157009	1.0	73	59	154.7
05FE002	16533	17	1.44E+06	1.21E+07	8.50E-06	5.19	7498	6.2	1.19	14	20664	0.6	43	31	12.3
05FE002	16535	17	1.74E+06	1.21E+07	8.50E-06	5.72	9941	6.2	1.08	16	27400	0.5	38	27	14.8
05FE002	16506	17	1.18E+06	1.21E+07	8.50E-06	10.92	12862	6.2	0.56	30	35449	0.3	19	9	10.0
05FE002	16575	17	7.35E+05	1.21E+07	8.50E-06	3.26	2398	6.2	1.89	9	6608	0.9	70	56	6.3
05FE002	16534	17	7.40E+05	1.21E+07	8.50E-06	5.18	3831	6.2	1.19	14	10558	0.6	43	31	6.3
05FE002	16473	17	1.57E+07	1.21E+07	8.50E-06	9.05	141662	6.2	0.68	25	390437	0.3	23	13	133.1
05FE002	16512	17	3.88E+06	1.21E+07	8.50E-06	6.17	23952	6.2	1.00	17	66016	0.5	35	24	33.0
05FE002	16528	17	6.06E+06	1.21E+07	8.50E-06	10.33	62556	6.2	0.60	28	172411	0.3	20	10	51.5
05FE002	16674	17	5.34E+06	1.21E+07	8.50E-06	10.71	57189	6.2	0.58	30	157621	0.3	19	9	45.4
05FE002	16486	17	1.63E+06	1.21E+07	8.50E-06	9.52	15549	6.2	0.65	26	42855	0.3	22	12	13.9
05FE002	16529	17	2.61E+07	1.21E+07	8.50E-06	9.23	240748	6.2	0.67	25	663530	0.3	23	12	221.7
05FE002	16510	17	6.68E+06	1.21E+07	8.50E-06	5.57	37196	6.2	1.11	15	102516	0.6	40	28	56.8
05FE002	16539	17	1.98E+06	1.21E+07	8.50E-06	2.76	5467	6.2	2.23	8	15066	1.1	83	68	16.8
05FE002	16523	17	1.27E+06	1.21E+07	8.50E-06	8.83	11250	6.2	0.70	24	31006	0.3	24	14	10.8
05FE002	16527	17	4.45E+06	1.21E+07	8.50E-06	10.89	48443	6.2	0.57	30	133514	0.3	19	9	37.8
05FE002	16658	17	5.02E+06	1.21E+07	8.50E-06	9.21	46270	6.2	0.67	25	127525	0.3	23	12	42.7
05FE002	16550	17	1.43E+06	1.21E+07	8.50E-06	6.32	9039	6.2	0.98	17	24912	0.5	35	23	12.2
05FE002	16545	17	3.24E+06	1.21E+07	8.50E-06	10.01	32417	6.2	0.62	28	89345	0.3	21	11	27.5
05FE002	16503	17	1.68E+06	1.21E+07	8.50E-06	8.86	14915	6.2	0.70	24	41107	0.3	24	13	14.3
05FE002	16519	17	3.79E+06	1.21E+07	8.50E-06	5.68	21515	6.2	1.09	16	59298	0.5	39	27	32.2
05FE002	16553	17	7.30E+05	1.21E+07	8.50E-06	9.62	7023	6.2	0.64	27	19355	0.3	22	11	6.2
05FE002	16613	17	8.71E+06	1.21E+07	8.50E-06	10.31	89840	6.2	0.60	28	247610	0.3	20	10	74.1
05FE002	16540	17	1.05E+06	1.21E+07	8.50E-06	9.53	9991	6.2	0.65	26	27538	0.3	22	12	8.9
05FE002	16524	17	1.30E+06	1.21E+07	8.50E-06	10.95	14192	6.2	0.56	30	39114	0.3	19	9	11.0
05FE002	29104	17	7.10E+07	1.21E+07	8.50E-06	3.83	271954	6.2	1.61	11	749536	0.8	59	46	603.6
05FE002	16507	17	7.22E+06	1.21E+07	8.50E-06	6.26	45207	6.2	0.99	17	124596	0.5	35	24	61.4
05FE002	16504	17	3.66E+06	1.21E+07	8.50E-06	8.47	30961	6.2	0.73	23	85333	0.4	25	15	31.1

Table A1.5. Buffalo Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05FE002	16488	17	2.55E+07	1.21E+07	8.50E-06	10.33	263012	6.2	0.60	28	724891	0.3	20	10	216.4
05FE002	16536	17	2.26E+07	1.21E+07	8.50E-06	10.71	241698	6.2	0.58	30	666148	0.3	19	9	191.8
05FE002	16532	17	4.87E+07	1.21E+07	8.50E-06	1.02	49687	6.2	6.05	3	136943	3.0	230	205	414.1
05FE002	16476	17	1.65E+06	1.21E+07	8.50E-06	10.31	16994	6.2	0.60	28	46839	0.3	20	10	14.0
05FE002	16465	17	7.59E+06	1.21E+07	8.50E-06	9.73	73891	6.2	0.63	27	203652	0.3	21	11	64.6
05FE002	16595	17	2.38E+07	1.21E+07	8.50E-06	9.64	229521	6.2	0.64	27	632587	0.3	22	11	202.4
05FE002	16609	17	1.30E+06	1.21E+07	8.50E-06	10.95	14219	6.2	0.56	30	39191	0.3	19	9	11.0
05FE002	16521	17	1.41E+07	1.21E+07	8.50E-06	1.67	23519	6.2	3.69	5	64821	1.8	139	120	119.7
05FE002	16525	17	1.18E+06	1.21E+07	8.50E-06	9.27	10948	6.2	0.67	26	30174	0.3	23	12	10.0
05FE002	16601	17	9.80E+06	1.21E+07	8.50E-06	9.94	97455	6.2	0.62	27	268596	0.3	21	11	83.3
05FE002	16631	17	6.81E+06	1.21E+07	8.50E-06	5.00	34053	6.2	1.23	14	93854	0.6	44	33	57.9
05FE002	16522	17	1.51E+06	1.21E+07	8.50E-06	0.69	1043	6.2	8.94	2	2876	4.5	341	308	12.9
05FE002	16617	17	2.62E+06	1.21E+07	8.50E-06	7.86	20562	6.2	0.78	22	56672	0.4	27	17	22.2
05FE002	16531	17	1.32E+06	1.21E+07	8.50E-06	0.71	934	6.2	8.69	2	2574	4.3	331	299	11.2
05FE002	16520	17	6.66E+06	1.21E+07	8.50E-06	1.81	12058	6.2	3.41	5	33232	1.7	128	110	56.6
05FE002	16509	17	2.76E+06	1.21E+07	8.50E-06	1.22	3365	6.2	5.06	3	9275	2.5	191	169	23.4
05FE002	16502	17	8.42E+06	1.21E+07	8.50E-06	1.54	12966	6.2	4.01	4	35736	2.0	151	132	71.6
05FE002	16644	17	4.71E+06	1.21E+07	8.50E-06	4.36	20523	6.2	1.41	12	56565	0.7	51	39	40.0
05FE002	16616	17	3.10E+06	1.21E+07	8.50E-06	9.58	29707	6.2	0.64	26	81877	0.3	22	12	26.4
05FE002	16591	17	1.49E+06	1.21E+07	8.50E-06	3.10	4618	6.2	1.99	9	12728	1.0	74	60	12.7
05FE002	16508	17	1.14E+07	1.21E+07	8.50E-06	1.53	17466	6.2	4.03	4	48139	2.0	152	133	97.0
05FE002	16610	17	3.43E+06	1.21E+07	8.50E-06	10.00	34293	6.2	0.62	28	94516	0.3	21	11	29.1
05FE002	16611	17	8.92E+05	1.21E+07	8.50E-06	10.00	8924	6.2	0.62	28	24594	0.3	21	11	7.6
05FE002	16640	17	2.97E+06	1.21E+07	8.50E-06	3.96	11761	6.2	1.56	11	32414	0.8	57	44	25.2
Total			712197563				4392907								6053.7

[z] RD = runoff depth
[y] RV = runoff volume

Table A1.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	i	D	a_i	Q	L_{ex}	$dwepp_i$	$qwepp_i$	$Dwepp$	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	4764	1	2.45E+07	9.40E+05	5.00E-07	4.38	107112	2.5	0.58	1.7	42237	0.3	19	9	12.2
05CK006	4817	1	1.09E+07	9.40E+05	5.00E-07	3.86	42172	2.5	0.66	1.5	16629	0.3	22	12	5.5
05CK006	4797	1	2.67E+06	9.40E+05	5.00E-07	1.81	4837	2.5	1.40	0.7	1907	0.7	51	39	1.3
05CK006	4823	1	2.99E+06	9.40E+05	5.00E-07	4.56	13655	2.5	0.56	1.8	5384	0.3	18	8	1.5
05CK006	4759	1	7.59E+06	9.40E+05	5.00E-07	3.31	25118	2.5	0.77	1.3	9905	0.4	26	16	3.8
05CK006	4786	1	1.04E+07	9.40E+05	5.00E-07	4.32	45138	2.5	0.59	1.7	17799	0.3	20	10	5.2
05CK006	4775	1	3.74E+06	9.40E+05	5.00E-07	3.84	14370	2.5	0.66	1.5	5666	0.3	22	12	1.9
05CK006	4815	1	5.36E+06	9.40E+05	5.00E-07	3.06	16403	2.5	0.83	1.2	6468	0.4	29	18	2.7
05CK006	4766	1	1.42E+06	9.40E+05	5.00E-07	3.62	5140	2.5	0.70	1.4	2027	0.4	24	14	0.7
05CK006	4758	1	4.01E+06	9.40E+05	5.00E-07	3.84	15392	2.5	0.66	1.5	6069	0.3	22	12	2.0
05CK006	4781	1	1.24E+07	9.40E+05	5.00E-07	2.70	33530	2.5	0.94	1.1	13222	0.5	33	22	6.2
05CK006	4763	1	9.09E+06	9.40E+05	5.00E-07	4.25	38623	2.5	0.60	1.7	15230	0.3	20	10	4.5
05CK006	4808	1	2.40E+06	9.40E+05	5.00E-07	1.02	2445	2.5	2.49	0.4	964	1.2	93	77	1.2
05CK006	4788	1	3.33E+06	9.40E+05	5.00E-07	2.77	9237	2.5	0.92	1.1	3642	0.5	32	21	1.7
05CK006	4806	1	9.49E+05	9.40E+05	5.00E-07	0.72	683	2.5	3.52	0.3	269	1.8	132	114	0.5
05CK006	4755	1	7.70E+06	9.40E+05	5.00E-07	4.20	32338	2.5	0.60	1.7	12752	0.3	20	10	3.8
05CK006	4807	1	1.12E+07	9.40E+05	5.00E-07	0.72	8076	2.5	3.52	0.3	3184	1.8	132	114	5.6
05CK006	4814	1	2.44E+06	9.40E+05	5.00E-07	4.45	10871	2.5	0.57	1.8	4287	0.3	19	9	1.2
05CK006	4816	1	9.56E+05	9.40E+05	5.00E-07	3.41	3259	2.5	0.74	1.3	1285	0.4	26	15	0.5
05CK006	4765	1	1.38E+07	9.40E+05	5.00E-07	4.39	60483	2.5	0.58	1.7	23850	0.3	19	9	6.9
05CK006	4784	1	1.00E+07	9.40E+05	5.00E-07	3.67	36712	2.5	0.69	1.4	14476	0.3	24	13	5.0
05CK006	4756	1	5.14E+06	9.40E+05	5.00E-07	4.10	21054	2.5	0.62	1.6	8302	0.3	21	11	2.6
05CK006	4809	1	1.02E+06	9.40E+05	5.00E-07	0.79	803	2.5	3.21	0.3	317	1.6	120	103	0.5
05CK006	4754	1	1.71E+06	9.40E+05	5.00E-07	3.72	6346	2.5	0.68	1.5	2502	0.3	23	13	0.9
05CK006	4810	1	4.21E+06	9.40E+05	5.00E-07	0.86	3622	2.5	2.95	0.3	1428	1.5	110	94	2.1
05CK006	5119	1	4.70E+07	9.40E+05	5.00E-07	3.44	161676	2.5	0.74	1.4	63752	0.4	25	15	23.5
05CK006	5129	1	2.42E+06	9.40E+05	5.00E-07	3.52	8524	2.5	0.72	1.4	3361	0.4	25	14	1.2

Table A1.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	4757	1	2.20E+06	9.40E+05	5.00E-07	3.28	7229	2.5	0.77	1.3	2851	0.4	27	16	1.1
05CK006	5113	1	2.36E+06	9.40E+05	5.00E-07	3.31	7815	2.5	0.77	1.3	3082	0.4	26	16	1.2
05CK006	4795	1	1.27E+05	9.40E+05	5.00E-07	2.53	321	2.5	1.00	1.0	127	0.5	36	24	0.1
05CK006	4753	1	1.36E+06	9.40E+05	5.00E-07	3.27	4432	2.5	0.78	1.3	1748	0.4	27	16	0.7
05CK006	5126	1	7.22E+06	9.40E+05	5.00E-07	2.87	20734	2.5	0.88	1.1	8176	0.4	31	20	3.6
05CK006	4779	1	1.35E+05	9.40E+05	5.00E-07	2.70	365	2.5	0.94	1.1	144	0.5	33	22	0.1
05CK006	4805	1	3.16E+06	9.40E+05	5.00E-07	3.96	12515	2.5	0.64	1.6	4935	0.3	22	11	1.6
05CK006	5118	1	2.31E+06	9.40E+05	5.00E-07	3.24	7477	2.5	0.78	1.3	2948	0.4	27	17	1.2
05CK006	4924	1	1.83E+05	9.40E+05	5.00E-07	3.83	701	2.5	0.66	1.5	276	0.3	22	12	0.1
05CK006	4800	1	1.31E+06	9.40E+05	5.00E-07	2.58	3373	2.5	0.98	1.0	1330	0.5	35	24	0.7
05CK006	4799	1	1.51E+06	9.40E+05	5.00E-07	2.89	4358	2.5	0.88	1.1	1718	0.4	31	20	0.8
05CK006	4822	1	1.03E+06	9.40E+05	5.00E-07	4.39	4538	2.5	0.58	1.7	1790	0.3	19	9	0.5
05CK006	5106	1	1.04E+07	9.40E+05	5.00E-07	2.26	23524	2.5	1.12	0.9	9276	0.6	40	29	5.2
05CK006	5127	1	3.46E+06	9.40E+05	5.00E-07	3.51	12144	2.5	0.72	1.4	4789	0.4	25	14	1.7
05CK006	5108	1	3.42E+06	9.40E+05	5.00E-07	2.86	9778	2.5	0.89	1.1	3855	0.4	31	20	1.7
05CK006	5104	1	3.77E+06	9.40E+05	5.00E-07	1.96	7392	2.5	1.29	0.8	2915	0.6	47	35	1.9
05CK006	5133	1	3.45E+06	9.40E+05	5.00E-07	2.89	9967	2.5	0.88	1.1	3930	0.4	31	20	1.7
05CK006	5124	1	2.54E+06	9.40E+05	5.00E-07	3.40	8626	2.5	0.75	1.3	3402	0.4	26	15	1.3
05CK006	5102	1	2.93E+06	9.40E+05	5.00E-07	1.73	5069	2.5	1.47	0.7	1999	0.7	53	41	1.5
05CK006	4930	1	4.96E+07	9.40E+05	5.00E-07	3.90	193448	2.5	0.65	1.5	76281	0.3	22	12	24.8
05CK006	4785	1	1.81E+07	9.40E+05	5.00E-07	2.84	51285	2.5	0.89	1.1	20223	0.4	31	20	9.0
05CK006	5112	1	1.45E+06	9.40E+05	5.00E-07	3.08	4462	2.5	0.82	1.2	1760	0.4	29	18	0.7
05CK006	5123	1	7.71E+05	9.40E+05	5.00E-07	3.03	2335	2.5	0.84	1.2	921	0.4	29	18	0.4
05CK006	4791	1	3.33E+06	9.40E+05	5.00E-07	2.53	8437	2.5	1.00	1.0	3327	0.5	36	24	1.7
05CK006	5216	1	2.41E+06	9.40E+05	5.00E-07	1.62	3900	2.5	1.57	0.6	1538	0.8	57	44	1.2
05CK006	5125	1	1.80E+06	9.40E+05	5.00E-07	3.40	6135	2.5	0.75	1.3	2419	0.4	26	15	0.9
05CK006	5103	1	2.73E+06	9.40E+05	5.00E-07	1.48	4040	2.5	1.71	0.6	1593	0.9	63	50	1.4
05CK006	5122	1	2.45E+06	9.40E+05	5.00E-07	2.76	6772	2.5	0.92	1.1	2671	0.5	32	21	1.2

Table A1.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD^z mm	WEPP RV^y m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	5114	1	4.26E+06	9.40E+05	5.00E-07	3.94	16791	2.5	0.64	1.6	6621	0.3	22	12	2.1
05CK006	5130	1	4.51E+06	9.40E+05	5.00E-07	5.63	25395	2.5	0.45	2.2	10014	0.2	14	5	2.3
05CK006	5107	1	6.86E+06	9.40E+05	5.00E-07	2.93	20106	2.5	0.87	1.2	7928	0.4	30	19	3.4
05CK006	5109	1	2.64E+06	9.40E+05	5.00E-07	2.48	6554	2.5	1.02	1.0	2584	0.5	36	25	1.3
05CK006	5207	1	4.26E+06	9.40E+05	5.00E-07	1.55	6602	2.5	1.64	0.6	2603	0.8	60	47	2.1
05CK006	5115	1	1.55E+06	9.40E+05	5.00E-07	3.94	6100	2.5	0.64	1.6	2405	0.3	22	12	0.8
05CK006	5128	1	9.11E+06	9.40E+05	5.00E-07	3.43	31235	2.5	0.74	1.4	12317	0.4	25	15	4.6
05CK006	4794	1	1.52E+06	9.40E+05	5.00E-07	3.29	5016	2.5	0.77	1.3	1978	0.4	27	16	0.8
05CK006	5212	1	2.12E+06	9.40E+05	5.00E-07	1.77	3747	2.5	1.43	0.7	1478	0.7	52	40	1.1
05CK006	4925	1	1.77E+06	9.40E+05	5.00E-07	2.50	4431	2.5	1.01	1.0	1747	0.5	36	25	0.9
05CK006	5067	1	2.34E+07	9.40E+05	5.00E-07	1.86	43525	2.5	1.36	0.7	17163	0.7	49	37	11.7
05CK006	4908	1	1.52E+06	9.40E+05	5.00E-07	1.24	1887	2.5	2.05	0.5	744	1.0	76	62	0.8
05CK006	5121	1	1.65E+06	9.40E+05	5.00E-07	3.44	5670	2.5	0.74	1.4	2236	0.4	25	15	0.8
05CK006	28259	1	4.16E+06	9.40E+05	5.00E-07	2.48	10308	2.5	1.02	1.0	4065	0.5	36	25	2.1
05CK006	5056	1	2.58E+07	9.40E+05	5.00E-07	3.22	82926	2.5	0.79	1.3	32700	0.4	27	17	12.9
05CK006	5206	1	6.62E+06	9.40E+05	5.00E-07	1.41	9330	2.5	1.80	0.6	3679	0.9	66	53	3.3
05CK006	5055	1	2.73E+05	9.40E+05	5.00E-07	2.20	602	2.5	1.15	0.9	237	0.6	41	30	0.1
05CK006	5210	1	3.69E+06	9.40E+05	5.00E-07	2.09	7718	2.5	1.21	0.8	3043	0.6	44	32	1.8
05CK006	5120	1	2.91E+07	9.40E+05	5.00E-07	3.44	99990	2.5	0.74	1.4	39428	0.4	25	15	14.5
05CK006	5205	1	1.68E+06	9.40E+05	5.00E-07	1.41	2372	2.5	1.80	0.6	935	0.9	66	53	0.8
05CK006	5217	1	2.03E+06	9.40E+05	5.00E-07	2.57	5205	2.5	0.99	1.0	2052	0.5	35	24	1.0
05CK006	5116	1	1.40E+06	9.40E+05	5.00E-07	2.93	4099	2.5	0.87	1.2	1616	0.4	30	19	0.7
05CK006	5110	1	1.44E+07	9.40E+05	5.00E-07	0.40	5757	2.5	6.34	0.2	2270	3.2	241	215	7.2
05CK006	5213	1	3.51E+06	9.40E+05	5.00E-07	1.77	6212	2.5	1.43	0.7	2449	0.7	52	40	1.8
05CK006	5105	1	3.47E+06	9.40E+05	5.00E-07	1.56	5420	2.5	1.63	0.6	2137	0.8	60	47	1.7
05CK006	5057	1	5.67E+06	9.40E+05	5.00E-07	2.85	16164	2.5	0.89	1.1	6374	0.4	31	20	2.8
05CK006	5163	1	2.31E+06	9.40E+05	5.00E-07	6.62	15268	2.5	0.38	2.6	6021	0.2	12	2	1.2
05CK006	5132	1	8.37E+06	9.40E+05	5.00E-07	3.53	29534	2.5	0.72	1.4	11646	0.4	25	14	4.2

Table A1.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD^z mm	WEPP RV^y m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	5202	1	2.06E+06	9.40E+05	5.00E-07	1.30	2676	2.5	1.95	0.5	1055	1.0	72	58	1.0
05CK006	4948	1	1.21E+07	9.40E+05	5.00E-07	1.66	20035	2.5	1.53	0.7	7900	0.8	56	43	6.0
05CK006	5101	1	9.37E+05	9.40E+05	5.00E-07	2.02	1892	2.5	1.26	0.8	746	0.6	45	33	0.5
05CK006	5203	1	5.92E+06	9.40E+05	5.00E-07	1.41	8350	2.5	1.80	0.6	3293	0.9	66	53	3.0
05CK006	5204	1	2.77E+06	9.40E+05	5.00E-07	0.88	2435	2.5	2.88	0.3	960	1.4	108	91	1.4
05CK006	5220	1	7.21E+06	9.40E+05	5.00E-07	2.30	16581	2.5	1.10	0.9	6538	0.6	39	28	3.6
05CK006	5117	1	8.65E+06	9.40E+05	5.00E-07	3.24	28010	2.5	0.78	1.3	11045	0.4	27	17	4.3
05CK006	5074	1	2.07E+06	9.40E+05	5.00E-07	5.52	11447	2.5	0.46	2.2	4514	0.2	15	5	1.0
05CK006	5131	1	1.49E+07	9.40E+05	5.00E-07	3.07	45787	2.5	0.83	1.2	18055	0.4	29	18	7.5
05CK006	5166	1	5.03E+07	9.40E+05	5.00E-07	1.36	68433	2.5	1.86	0.5	26984	0.9	69	55	25.2
05CK006	5199	1	2.43E+06	9.40E+05	5.00E-07	1.88	4575	2.5	1.35	0.7	1804	0.7	49	37	1.2
05CK006	5060	1	7.02E+06	9.40E+05	5.00E-07	1.80	12630	2.5	1.41	0.7	4980	0.7	51	39	3.5
05CK006	4957	1	2.09E+06	9.40E+05	5.00E-07	3.90	8147	2.5	0.65	1.5	3212	0.3	22	12	1.0
05CK006	5209	1	1.36E+07	9.40E+05	5.00E-07	1.25	17059	2.5	2.03	0.5	6727	1.0	75	61	6.8
05CK006	5111	1	1.23E+06	9.40E+05	5.00E-07	2.71	3332	2.5	0.94	1.1	1314	0.5	33	22	0.6
05CK006	5222	1	1.01E+06	9.40E+05	5.00E-07	2.36	2382	2.5	1.07	0.9	939	0.5	38	27	0.5
05CK006	5164	1	3.01E+06	9.40E+05	5.00E-07	2.16	6494	2.5	1.17	0.9	2561	0.6	42	31	1.5
05CK006	5214	1	1.95E+06	9.40E+05	5.00E-07	1.50	2924	2.5	1.69	0.6	1153	0.8	62	49	1.0
05CK006	5211	1	2.50E+06	9.40E+05	5.00E-07	1.41	3523	2.5	1.80	0.6	1389	0.9	66	53	1.2
05CK006	5208	1	1.75E+07	9.40E+05	5.00E-07	1.25	21879	2.5	2.03	0.5	8627	1.0	75	61	8.8
05CK006	4970	1	2.86E+07	9.40E+05	5.00E-07	1.30	37218	2.5	1.95	0.5	14676	1.0	72	58	14.3
05CK006	4914	1	9.35E+06	9.40E+05	5.00E-07	1.00	9349	2.5	2.54	0.4	3687	1.3	95	79	4.7
05CK006	5188	1	2.76E+06	9.40E+05	5.00E-07	1.45	3996	2.5	1.75	0.6	1576	0.9	64	51	1.4
05CK006	5197	1	2.80E+06	9.40E+05	5.00E-07	1.55	4347	2.5	1.64	0.6	1714	0.8	60	47	1.4
05CK006	4963	1	3.06E+06	9.40E+05	5.00E-07	0.75	2297	2.5	3.38	0.3	906	1.7	127	109	1.5
05CK006	4950	1	3.34E+07	9.40E+05	5.00E-07	1.25	41775	2.5	2.03	0.5	16473	1.0	75	61	16.7
05CK006	5052	1	3.08E+06	9.40E+05	5.00E-07	1.09	3361	2.5	2.33	0.4	1325	1.2	86	72	1.5
05CK006	5219	1	4.31E+06	9.40E+05	5.00E-07	0.89	3836	2.5	2.85	0.4	1513	1.4	107	90	2.2

Table A1.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	5221	1	5.70E+06	9.40E+05	5.00E-07	1.10	6274	2.5	2.31	0.4	2474	1.2	86	71	2.9
05CK006	4928	1	1.76E+05	9.40E+05	5.00E-07	2.50	440	2.5	1.01	1.0	174	0.5	36	25	0.1
05CK006	4936	1	2.03E+07	9.40E+05	5.00E-07	3.05	61830	2.5	0.83	1.2	24381	0.4	29	18	10.1
05CK006	4960	1	5.55E+06	9.40E+05	5.00E-07	1.30	7212	2.5	1.95	0.5	2844	1.0	72	58	2.8
05CK006	4933	1	9.74E+06	9.40E+05	5.00E-07	3.09	30106	2.5	0.82	1.2	11871	0.4	29	18	4.9
05CK006	5191	1	1.57E+06	9.40E+05	5.00E-07	1.01	1584	2.5	2.51	0.4	625	1.3	94	78	0.8
05CK006	5053	1	2.18E+06	9.40E+05	5.00E-07	1.62	3528	2.5	1.57	0.6	1391	0.8	57	44	1.1
05CK006	5187	1	2.15E+06	9.40E+05	5.00E-07	1.24	2665	2.5	2.05	0.5	1051	1.0	76	62	1.1
05CK006	4913	1	1.66E+06	9.40E+05	5.00E-07	2.87	4766	2.5	0.88	1.1	1879	0.4	31	20	0.8
05CK006	5215	1	4.67E+06	9.40E+05	5.00E-07	1.24	5787	2.5	2.05	0.5	2282	1.0	76	62	2.3
05CK006	4926	1	2.31E+05	9.40E+05	5.00E-07	2.50	578	2.5	1.01	1.0	228	0.5	36	25	0.1
05CK006	5176	1	2.28E+06	9.40E+05	5.00E-07	1.94	4419	2.5	1.31	0.8	1743	0.7	47	35	1.1
05CK006	4951	1	1.40E+06	9.40E+05	5.00E-07	1.36	1901	2.5	1.86	0.5	750	0.9	69	55	0.7
05CK006	5158	1	8.53E+06	9.40E+05	5.00E-07	3.65	31126	2.5	0.69	1.4	12274	0.3	24	13	4.3
05CK006	5179	1	1.65E+06	9.40E+05	5.00E-07	1.79	2959	2.5	1.42	0.7	1167	0.7	51	39	0.8
05CK006	4931	1	1.65E+06	9.40E+05	5.00E-07	3.90	6418	2.5	0.65	1.5	2531	0.3	22	12	0.8
05CK006	5069	1	2.93E+06	9.40E+05	5.00E-07	1.94	5679	2.5	1.31	0.8	2239	0.7	47	35	1.5
05CK006	5063	1	9.02E+06	9.40E+05	5.00E-07	1.88	16957	2.5	1.35	0.7	6687	0.7	49	37	4.5
05CK006	5165	1	1.59E+07	9.40E+05	5.00E-07	1.99	31735	2.5	1.27	0.8	12514	0.6	46	34	8.0
05CK006	5195	1	1.25E+07	9.40E+05	5.00E-07	1.28	16011	2.5	1.98	0.5	6313	1.0	73	59	6.3
05CK006	5218	1	9.21E+06	9.40E+05	5.00E-07	0.75	6908	2.5	3.38	0.3	2724	1.7	127	109	4.6
05CK006	4927	1	1.54E+06	9.40E+05	5.00E-07	2.50	3850	2.5	1.01	1.0	1518	0.5	36	25	0.8
05CK006	5174	1	8.38E+06	9.40E+05	5.00E-07	1.66	13904	2.5	1.53	0.7	5483	0.8	56	43	4.2
05CK006	4967	1	1.08E+07	9.40E+05	5.00E-07	1.83	19700	2.5	1.39	0.7	7768	0.7	50	38	5.4
05CK006	5190	1	5.42E+06	9.40E+05	5.00E-07	1.04	5635	2.5	2.44	0.4	2222	1.2	91	76	2.7
05CK006	4956	1	5.72E+05	9.40E+05	5.00E-07	1.72	984	2.5	1.47	0.7	388	0.7	54	41	0.3
05CK006	5152	1	4.83E+06	9.40E+05	5.00E-07	3.30	15944	2.5	0.77	1.3	6287	0.4	27	16	2.4
05CK006	5062	1	3.04E+06	9.40E+05	5.00E-07	2.35	7138	2.5	1.08	0.9	2815	0.5	39	27	1.5

Table A1.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	4964	1	2.48E+06	9.40E+05	5.00E-07	0.75	1862	2.5	3.38	0.3	734	1.7	127	109	1.2
05CK006	5159	1	4.55E+06	9.40E+05	5.00E-07	3.65	16600	2.5	0.69	1.4	6546	0.3	24	13	2.3
05CK006	4971	1	2.65E+06	9.40E+05	5.00E-07	1.30	3446	2.5	1.95	0.5	1359	1.0	72	58	1.3
05CK006	5184	1	4.96E+06	9.40E+05	5.00E-07	2.09	10359	2.5	1.21	0.8	4085	0.6	44	32	2.5
05CK006	4955	1	6.02E+05	9.40E+05	5.00E-07	1.72	1035	2.5	1.47	0.7	408	0.7	54	41	0.3
05CK006	4953	1	7.74E+05	9.40E+05	5.00E-07	1.01	782	2.5	2.51	0.4	308	1.3	94	78	0.4
05CK006	5181	1	2.44E+05	9.40E+05	5.00E-07	2.43	593	2.5	1.04	1.0	234	0.5	37	26	0.1
05CK006	4946	1	6.02E+05	9.40E+05	5.00E-07	0.83	500	2.5	3.06	0.3	197	1.5	115	98	0.3
Total			9.40E+08				2382743								469.8

[z] RD = runoff depth
[y] RV = runoff volume

Appendix 2. Estimated allowed total phosphorus (TP) concentrations, soil-test phosphorus (STP 0-2.5 cm and STP 0-15 cm) limits, and TP loads within selected watersheds using a TP runoff water quality limit (TPRWQL) of 1.0 mg L^{-1}.

Table A2.1. Wabash Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
07BC003	19597	27	2.58E+06	8.57E+06	2.70E-05	5.85	15075.9	3.4	0.6	46	119472	0.58	42	30	69.6
07BC003	19658	27	3.59E+06	8.57E+06	2.70E-05	2.75	9861.1	3.4	1.2	22	78146	1.24	92	77	96.8
07BC003	19617	27	1.55E+07	8.57E+06	2.70E-05	2.15	33301.6	3.4	1.6	17	263906	1.58	119	102	418.2
07BC003	19640	27	7.16E+06	8.57E+06	2.70E-05	2.39	17101.3	3.4	1.4	19	135523	1.43	107	90	193.2
07BC003	19649	27	1.88E+06	8.57E+06	2.70E-05	2.52	4742.8	3.4	1.4	20	37585	1.35	101	85	50.8
07BC003	19663	27	4.31E+07	8.57E+06	2.70E-05	2.37	102161.7	3.4	1.4	19	809603	1.44	108	91	1163.9
07BC003	19660	27	4.30E+06	8.57E+06	2.70E-05	2.75	11826.9	3.4	1.2	22	93725	1.24	92	77	116.1
07BC003	19654	27	1.89E+07	8.57E+06	2.70E-05	2.60	49067.4	3.4	1.3	21	388845	1.31	98	82	509.5
07BC003	28206	27	3.39E+07	8.57E+06	2.70E-05	2.49	84377.5	3.4	1.4	20	668668	1.37	102	86	914.9
07BC003	19648	27	1.38E+06	8.57E+06	2.70E-05	2.88	3978.3	3.4	1.2	23	31527	1.18	88	73	37.3
07BC003	19659	27	6.07E+06	8.57E+06	2.70E-05	9.14	55476.7	3.4	0.4	72	439637	0.37	26	15	163.9
07BC003	19661	27	4.70E+06	8.57E+06	2.70E-05	3.49	16413.9	3.4	1.0	28	130075	0.98	72	58	127.0
07BC003	19641	27	2.12E+07	8.57E+06	2.70E-05	2.92	61911.0	3.4	1.2	23	490627	1.17	87	72	572.5
07BC003	19636	27	1.56E+06	8.57E+06	2.70E-05	4.08	6357.7	3.4	0.8	32	50383	0.84	61	48	42.1
07BC003	19645	27	8.00E+06	8.57E+06	2.70E-05	2.35	18803.9	3.4	1.4	19	149015	1.45	109	92	216.0
07BC003	19643	27	2.85E+06	8.57E+06	2.70E-05	3.58	10210.7	3.4	1.0	28	80917	0.95	70	57	77.0
07BC003	14050	27	2.63E+06	8.57E+06	2.70E-05	3.69	9704.2	3.4	0.9	29	76903	0.92	68	55	71.0
07BC003	19642	27	1.82E+07	8.57E+06	2.70E-05	3.04	55245.3	3.4	1.1	24	437804	1.12	83	69	490.7
07BC003	19667	27	4.07E+06	8.57E+06	2.70E-05	4.10	16701.0	3.4	0.8	32	132351	0.83	61	48	110.0
07BC003	19652	27	4.94E+06	8.57E+06	2.70E-05	3.69	18212.4	3.4	0.9	29	144328	0.92	68	55	133.3
07BC003	19633	27	2.87E+07	8.57E+06	2.70E-05	3.76	108077.2	3.4	0.9	30	856482	0.91	67	53	776.1
07BC003	19639	27	3.60E+06	8.57E+06	2.70E-05	3.81	13734.5	3.4	0.9	30	108842	0.89	66	52	97.3
07BC003	19653	27	3.78E+06	8.57E+06	2.70E-05	3.72	14077.6	3.4	0.9	29	111561	0.92	67	54	102.2
07BC003	14080	27	8.53E+05	8.57E+06	2.70E-05	2.94	2506.7	3.4	1.2	23	19865	1.16	86	71	23.0
07BC003	19634	27	1.03E+07	8.57E+06	2.70E-05	4.63	47768.5	3.4	0.7	37	378552	0.74	54	41	278.6

Table A2.1. Wabash Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0-2.5}$	STP_{0-15}	l_i
07BC003	19638	27	4.48E+06	8.57E+06	2.70E-05	4.32	19358.2	3.4	0.8	34	153408	0.79	58	45	121.0
07BC003	19635	27	4.63E+07	8.57E+06	2.70E-05	4.25	196606.5	3.4	0.8	34	155805 1	0.80	59	46	1249.0
07BC003	19632	27	4.24E+05	8.57E+06	2.70E-05	4.15	1761.1	3.4	0.8	33	13956	0.82	60	47	11.5
07BC003	14065	27	4.64E+05	8.57E+06	2.70E-05	2.48	1151.1	3.4	1.4	20	9122	1.37	103	87	12.5
07BC003	14064	27	1.03E+06	8.57E+06	2.70E-05	3.13	3209.4	3.4	1.1	25	25434	1.09	81	66	27.7
07BC003	18748	27	1.14E+06	8.57E+06	2.70E-05	3.69	4194.5	3.4	0.9	29	33241	0.92	68	55	30.7
07BC003	14077	27	6.28E+06	8.57E+06	2.70E-05	7.19	45157.7	3.4	0.5	57	357862	0.47	33	22	169.6
07BC003	18738	27	3.30E+06	8.57E+06	2.70E-05	6.64	21909.5	3.4	0.5	53	173626	0.51	36	25	89.1
07BC003	14071	27	1.24E+05	8.57E+06	2.70E-05	6.40	792.8	3.4	0.5	51	6282	0.53	38	27	3.3
Total			3.17E+08				1080836								8565.3

[z] RD = runoff depth
[y] RV = runoff volume

Table A2.2. Colquihoun Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
07GE006	23621	56	7.40E+06	7.22E+06	5.60E-05	9.47	70034	8.3	0.9	64	473223	0.88	64	51	414.1
07GE006	23477	56	4.77E+06	7.22E+06	5.60E-05	10.26	48934	8.3	0.8	69	330650	0.81	59	46	267.1
07GE006	23629	56	4.15E+06	7.22E+06	5.60E-05	4.49	18636	8.3	1.8	30	125927	1.85	139	120	232.4
07GE006	23511	56	1.96E+06	7.22E+06	5.60E-05	7.49	14650	8.3	1.1	51	98989	1.11	82	68	109.5
07GE006	23492	56	7.60E+06	7.22E+06	5.60E-05	9.92	75409	8.3	0.8	67	509541	0.84	61	48	425.7
07GE006	23455	56	2.66E+06	7.22E+06	5.60E-05	7.38	19617	8.3	1.1	50	132553	1.12	83	69	148.9
07GE006	23491	56	5.14E+06	7.22E+06	5.60E-05	11.95	61441	8.3	0.7	81	415156	0.69	50	38	287.9
07GE006	23525	56	1.60E+07	7.22E+06	5.60E-05	7.44	118711	8.3	1.1	50	802129	1.11	83	68	893.5
07GE006	23449	56	7.18E+06	7.22E+06	5.60E-05	10.69	76734	8.3	0.8	72	518492	0.78	57	44	402.0
07GE006	23506	56	1.37E+06	7.22E+06	5.60E-05	7.12	9741	8.3	1.2	48	65820	1.16	87	72	76.6
07GE006	23524	56	8.83E+06	7.22E+06	5.60E-05	7.49	66129	8.3	1.1	51	446834	1.11	82	68	494.4
07GE006	23642	56	1.81E+06	7.22E+06	5.60E-05	4.73	8573	8.3	1.8	32	57926	1.75	132	114	101.5
07GE006	23622	56	9.93E+06	7.22E+06	5.60E-05	15.69	155832	8.3	0.5	106	1052961	0.53	38	26	556.2
07GE006	23515	56	1.33E+06	7.22E+06	5.60E-05	7.79	10360	8.3	1.1	53	70006	1.06	79	65	74.5
07GE006	23559	56	4.76E+06	7.22E+06	5.60E-05	5.39	25683	8.3	1.5	36	173541	1.54	115	98	266.8
07GE006	23571	56	1.36E+07	7.22E+06	5.60E-05	9.88	134260	8.3	0.8	67	907198	0.84	62	48	761.0
07GE006	23560	56	7.16E+06	7.22E+06	5.60E-05	7.78	55671	8.3	1.1	53	376168	1.07	79	65	400.7
07GE006	23563	56	3.26E+06	7.22E+06	5.60E-05	7.21	23508	8.3	1.1	49	158845	1.15	85	71	182.6
07GE006	23554	56	2.12E+06	7.22E+06	5.60E-05	7.09	15052	8.3	1.2	48	101706	1.17	87	72	118.9
07GE006	23572	56	1.27E+07	7.22E+06	5.60E-05	2.71	34431	8.3	3.1	18	232653	3.06	232	207	711.5
07GE006	23575	56	3.88E+06	7.22E+06	5.60E-05	5.06	19651	8.3	1.6	34	132784	1.64	123	106	217.5
07GE006	23573	56	1.45E+06	7.22E+06	5.60E-05	4.24	6159	8.3	2.0	29	41620	1.95	147	128	81.4
Total			1.29E+08				1069219								7224.7

[z] RD = runoff depth
[y] RV = runoff volume

Table A2.3. Mosquito Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05AC001	10912	100	2.45E+05	5.23E+07	1.00E-04	3.05	749	6.2	2.0	49	12122	2.02	153	133	24.5
05AC001	10806	100	3.54E+06	5.23E+07	1.00E-04	3.26	11554	6.2	1.9	53	187082	1.89	143	124	354.4
05AC001	10914	100	6.23E+05	5.23E+07	1.00E-04	2.28	1421	6.2	2.7	37	23009	2.71	205	182	62.3
05AC001	10827	100	1.06E+07	5.23E+07	1.00E-04	3.74	39507	6.2	1.7	61	639685	1.65	124	107	1056.3
05AC001	10805	100	1.02E+07	5.23E+07	1.00E-04	0.73	7449	6.2	8.5	12	120617	8.46	648	593	1020.4
05AC001	10816	100	2.28E+06	5.23E+07	1.00E-04	3.74	8542	6.2	1.7	61	138312	1.65	124	107	228.4
05AC001	10829	100	3.39E+06	5.23E+07	1.00E-04	5.94	20138	6.2	1.0	96	326065	1.04	77	63	339.0
05AC001	10888	100	7.09E+06	5.23E+07	1.00E-04	5.78	40978	6.2	1.1	94	663500	1.07	79	65	709.0
05AC001	10821	100	9.07E+06	5.23E+07	1.00E-04	3.88	35197	6.2	1.6	63	569901	1.59	119	102	907.1
05AC001	10915	100	7.04E+06	5.23E+07	1.00E-04	3.43	24144	6.2	1.8	56	390936	1.80	136	117	703.9
05AC001	10819	100	9.69E+05	5.23E+07	1.00E-04	1.95	1890	6.2	3.2	32	30597	3.17	241	215	96.9
05AC001	10818	100	1.91E+06	5.23E+07	1.00E-04	3.32	6327	6.2	1.9	54	102450	1.86	140	121	190.6
05AC001	10825	100	5.40E+06	5.23E+07	1.00E-04	3.36	18127	6.2	1.8	54	293512	1.84	138	120	539.5
05AC001	10823	100	8.73E+06	5.23E+07	1.00E-04	3.32	28988	6.2	1.9	54	469363	1.86	140	121	873.1
05AC001	10808	100	2.35E+06	5.23E+07	1.00E-04	6.47	15181	6.2	1.0	105	245804	0.95	70	57	234.6
05AC001	10824	100	5.30E+06	5.23E+07	1.00E-04	4.85	25700	6.2	1.3	79	416133	1.27	95	80	529.9
05AC001	11812	100	3.00E+06	5.23E+07	1.00E-04	1.41	4224	6.2	4.4	23	68394	4.38	334	301	299.6
05AC001	10810	100	1.25E+07	5.23E+07	1.00E-04	5.78	72052	6.2	1.1	94	1166647	1.07	79	65	1246.6
05AC001	10809	100	6.06E+06	5.23E+07	1.00E-04	3.77	22860	6.2	1.6	61	370138	1.64	123	106	606.4
05AC001	11831	100	1.28E+06	5.23E+07	1.00E-04	4.93	6286	6.2	1.3	80	101786	1.25	93	78	127.5
05AC001	10811	100	1.90E+07	5.23E+07	1.00E-04	5.78	109908	6.2	1.1	94	1779596	1.07	79	65	1901.5
05AC001	10828	100	4.26E+06	5.23E+07	1.00E-04	6.11	26025	6.2	1.0	99	421397	1.01	75	61	425.9
05AC001	29149	100	1.44E+06	5.23E+07	1.00E-04	4.76	6860	6.2	1.3	77	111078	1.30	97	81	144.1
05AC001	10814	100	1.70E+06	5.23E+07	1.00E-04	5.78	9830	6.2	1.1	94	159165	1.07	79	65	170.1
05AC001	10843	100	6.68E+06	5.23E+07	1.00E-04	4.76	31790	6.2	1.3	77	514734	1.30	97	81	667.9
05AC001	10812	100	1.78E+06	5.23E+07	1.00E-04	5.78	10268	6.2	1.1	94	166254	1.07	79	65	177.6
05AC001	10838	100	6.89E+06	5.23E+07	1.00E-04	5.81	40028	6.2	1.1	94	648116	1.06	79	64	688.9

Table A2.3. Mosquito Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD^z mm	WEPP RV^y m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05AC001	11818	100	4.80E+06	5.23E+07	1.00E-04	5.64	27093	6.2	1.1	91	438686	1.10	81	67	480.4
05AC001	10840	100	4.08E+06	5.23E+07	1.00E-04	1.41	5754	6.2	4.4	23	93166	4.38	334	301	408.1
05AC001	29065	100	6.78E+06	5.23E+07	1.00E-04	5.94	40274	6.2	1.0	96	652110	1.04	77	63	678.0
05AC001	10837	100	4.29E+06	5.23E+07	1.00E-04	4.34	18601	6.2	1.4	70	301190	1.42	106	90	428.6
05AC001	29064	100	1.91E+06	5.23E+07	1.00E-04	4.76	9088	6.2	1.3	77	147143	1.30	97	81	190.9
05AC001	10845	100	4.58E+06	5.23E+07	1.00E-04	5.13	23505	6.2	1.2	83	380592	1.20	90	75	458.2
05AC001	12165	100	6.00E+06	5.23E+07	1.00E-04	5.15	30920	6.2	1.2	83	500649	1.20	89	74	600.4
05AC001	29066	100	6.96E+06	5.23E+07	1.00E-04	5.94	41315	6.2	1.0	96	668966	1.04	77	63	695.5
05AC001	10813	100	8.12E+05	5.23E+07	1.00E-04	5.78	4691	6.2	1.1	94	75963	1.07	79	65	81.2
05AC001	10807	100	8.91E+05	5.23E+07	1.00E-04	6.47	5767	6.2	1.0	105	93373	0.95	70	57	89.1
05AC001	28169	100	1.51E+07	5.23E+07	1.00E-04	5.74	86869	6.2	1.1	93	1406568	1.08	80	65	1513.4
05AC001	12136	100	8.08E+06	5.23E+07	1.00E-04	5.33	43047	6.2	1.2	86	697004	1.16	86	71	807.6
05AC001	10846	100	2.21E+06	5.23E+07	1.00E-04	3.49	7710	6.2	1.8	57	124832	1.77	133	115	220.9
05AC001	12158	100	4.30E+06	5.23E+07	1.00E-04	5.49	23630	6.2	1.1	89	382607	1.12	84	69	430.4
05AC001	12168	100	8.13E+06	5.23E+07	1.00E-04	5.66	46033	6.2	1.1	92	745355	1.09	81	67	813.3
05AC001	10848	100	4.06E+06	5.23E+07	1.00E-04	3.28	13321	6.2	1.9	53	215684	1.88	142	123	406.1
05AC001	10852	100	4.78E+06	5.23E+07	1.00E-04	3.36	16051	6.2	1.8	54	259891	1.84	138	120	477.7
05AC001	12162	100	6.66E+06	5.23E+07	1.00E-04	6.09	40530	6.2	1.0	99	656252	1.01	75	61	665.5
05AC001	10869	100	4.46E+06	5.23E+07	1.00E-04	6.88	30683	6.2	0.9	111	496806	0.90	66	53	446.0
05AC001	10847	100	1.28E+06	5.23E+07	1.00E-04	3.49	4484	6.2	1.8	57	72601	1.77	133	115	128.5
05AC001	10857	100	8.59E+06	5.23E+07	1.00E-04	5.94	51037	6.2	1.0	96	826377	1.04	77	63	859.2
05AC001	10861	100	1.12E+07	5.23E+07	1.00E-04	6.47	72568	6.2	1.0	105	1175008	0.95	70	57	1121.6
05AC001	12178	100	5.35E+06	5.23E+07	1.00E-04	5.13	27426	6.2	1.2	83	444082	1.20	90	75	534.6
05AC001	12179	100	1.11E+07	5.23E+07	1.00E-04	6.36	70859	6.2	1.0	103	1147329	0.97	72	58	1114.1
05AC001	12138	100	9.10E+06	5.23E+07	1.00E-04	5.18	47157	6.2	1.2	84	763561	1.19	89	74	910.4
05AC001	12140	100	3.83E+06	5.23E+07	1.00E-04	3.8	14565	6.2	1.6	62	235838	1.63	122	105	383.3
05AC001	12157	100	2.65E+06	5.23E+07	1.00E-04	8.02	21216	6.2	0.8	130	343528	0.77	56	44	264.5
05AC001	10872	100	2.15E+06	5.23E+07	1.00E-04	7.24	15586	6.2	0.9	117	252368	0.85	63	50	215.3

Table A2.3. Mosquito Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD^z mm	WEPP RV^y m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05AC001	12163	100	1.17E+07	5.23E+07	1.00E-04	5.15	60271	6.2	1.2	83	975897	1.20	89	74	1170.3
05AC001	10841	100	3.41E+06	5.23E+07	1.00E-04	1.37	4669	6.2	4.5	22	75600	4.51	344	311	340.8
05AC001	10656	100	3.22E+06	5.23E+07	1.00E-04	3.73	11996	6.2	1.7	60	194233	1.66	124	107	321.6
05AC001	10615	100	9.79E+06	5.23E+07	1.00E-04	8.12	79502	6.2	0.8	131	1287268	0.76	56	43	979.1
05AC001	10871	100	1.46E+06	5.23E+07	1.00E-04	7.24	10600	6.2	0.9	117	171629	0.85	63	50	146.4
05AC001	12143	100	3.94E+06	5.23E+07	1.00E-04	6.04	23784	6.2	1.0	98	385108	1.02	76	62	393.8
05AC001	12150	100	1.71E+06	5.23E+07	1.00E-04	8.67	14806	6.2	0.7	140	239729	0.71	52	39	170.8
05AC001	10860	100	4.82E+05	5.23E+07	1.00E-04	10.36	4990	6.2	0.6	168	80790	0.60	43	31	48.2
05AC001	12146	100	1.81E+07	5.23E+07	1.00E-04	11.14	201124	6.2	0.6	180	3256554	0.55	40	28	1805.4
05AC001	12176	100	3.97E+06	5.23E+07	1.00E-04	5.82	23097	6.2	1.1	94	373989	1.06	79	64	396.9
05AC001	10741	100	2.09E+06	5.23E+07	1.00E-04	3.65	7629	6.2	1.7	59	123531	1.69	127	109	209.0
05AC001	10835	100	1.08E+06	5.23E+07	1.00E-04	5.78	6259	6.2	1.1	94	101347	1.07	79	65	108.3
05AC001	12177	100	1.39E+06	5.23E+07	1.00E-04	5.39	7476	6.2	1.1	87	121052	1.15	85	70	138.7
05AC001	12152	100	1.46E+07	5.23E+07	1.00E-04	7.05	102803	6.2	0.9	114	1664556	0.88	64	51	1458.2
05AC001	10753	100	4.91E+06	5.23E+07	1.00E-04	5.02	24665	6.2	1.2	81	399369	1.23	92	76	491.3
05AC001	10648	100	5.62E+06	5.23E+07	1.00E-04	7.02	39466	6.2	0.9	114	639018	0.88	65	51	562.2
05AC001	10875	100	5.05E+04	5.23E+07	1.00E-04	7.24	366	6.2	0.9	117	5921	0.85	63	50	5.1
05AC001	12141	100	2.98E+06	5.23E+07	1.00E-04	7.49	22342	6.2	0.8	121	361755	0.82	60	47	298.3
05AC001	12142	100	1.23E+06	5.23E+07	1.00E-04	8.65	10667	6.2	0.7	140	172724	0.71	52	40	123.3
05AC001	12137	100	2.59E+06	5.23E+07	1.00E-04	7.11	18448	6.2	0.9	115	298704	0.87	64	51	259.5
05AC001	10770	100	2.29E+05	5.23E+07	1.00E-04	15.15	3468	6.2	0.4	245	56146	0.41	28	18	22.9
05AC001	12164	100	1.59E+06	5.23E+07	1.00E-04	7.49	11932	6.2	0.8	121	193195	0.82	60	47	159.3
05AC001	12148	100	1.46E+06	5.23E+07	1.00E-04	5.47	7970	6.2	1.1	89	129054	1.13	84	69	145.7
05AC001	12147	100	5.12E+06	5.23E+07	1.00E-04	6.64	33965	6.2	0.9	108	549960	0.93	69	55	511.5
05AC001	10617	100	2.64E+06	5.23E+07	1.00E-04	8.12	21418	6.2	0.8	131	346794	0.76	56	43	263.8
05AC001	10620	100	2.19E+06	5.23E+07	1.00E-04	8.12	17783	6.2	0.8	131	287940	0.76	56	43	219.0
05AC001	12145	100	2.14E+06	5.23E+07	1.00E-04	8.65	18486	6.2	0.7	140	299315	0.71	52	40	213.7
05AC001	12144	100	1.87E+06	5.23E+07	1.00E-04	6.1	11432	6.2	1.0	99	185103	1.01	75	61	187.4

Table A2.3. Mosquito Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05AC001	12156	100	2.46E+07	5.23E+07	1.00E-04	8.23	202594	6.2	0.8	133	3280347	0.75	55	42	2461.7
05AC001	12171	100	3.37E+06	5.23E+07	1.00E-04	5.19	17509	6.2	1.2	84	283502	1.19	89	74	337.4
05AC001	12159	100	2.84E+06	5.23E+07	1.00E-04	7.99	22724	6.2	0.8	129	367943	0.77	56	44	284.4
05AC001	12153	100	1.26E+07	5.23E+07	1.00E-04	8.67	109109	6.2	0.7	140	1766659	0.71	52	39	1258.5
05AC001	12167	100	8.29E+06	5.23E+07	1.00E-04	7.49	62104	6.2	0.8	121	1005569	0.82	60	47	829.2
05AC001	12139	100	1.05E+07	5.23E+07	1.00E-04	10.45	110115	6.2	0.6	169	1782961	0.59	42	31	1053.7
05AC001	12151	100	8.71E+06	5.23E+07	1.00E-04	8.67	75474	6.2	0.7	140	1222057	0.71	52	39	870.5
05AC001	12161	100	4.26E+07	5.23E+07	1.00E-04	8.46	360449	6.2	0.7	137	5836291	0.73	53	41	4260.6
Total			5.23E+08				3227296								52256

[z] RD = runoff depth
[y] RV = runoff volume

Table A2.4. Three Hills Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID		*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0-2.5}$	STP_{0-15}	l_i
05CE007	13900	8	5.04E+05	4.44E+06	8.00E-06	3.86	1945	7.3	1.9	4	2121	1.9	143	124	4.0
05CE007	13924	8	1.32E+07	4.44E+06	8.00E-06	5.76	75995	7.3	1.3	6	82869	1.3	95	80	105.5
05CE007	7675	8	7.65E+06	4.44E+06	8.00E-06	5.11	39105	7.3	1.4	6	42643	1.4	107	91	61.2
05CE007	13911	8	1.87E+06	4.44E+06	8.00E-06	4.60	8603	7.3	1.6	5	9381	1.6	120	102	15.0
05CE007	13914	8	7.63E+05	4.44E+06	8.00E-06	8.46	6455	7.3	0.9	9	7038	0.9	64	51	6.1
05CE007	7660	8	3.65E+06	4.44E+06	8.00E-06	6.54	23898	7.3	1.1	7	26060	1.1	83	69	29.2
05CE007	13921	8	4.78E+06	4.44E+06	8.00E-06	5.35	25556	7.3	1.4	6	27868	1.4	102	87	38.2
05CE007	14004	8	1.67E+06	4.44E+06	8.00E-06	3.94	6561	7.3	1.9	4	7155	1.9	140	122	13.3
05CE007	14003	8	4.18E+06	4.44E+06	8.00E-06	4.60	19217	7.3	1.6	5	20956	1.6	120	102	33.4
05CE007	13928	8	9.66E+06	4.44E+06	8.00E-06	6.47	62513	7.3	1.1	7	68169	1.1	84	70	77.3
05CE007	7654	8	2.23E+06	4.44E+06	8.00E-06	5.00	11134	7.3	1.5	5	12142	1.5	110	93	17.8
05CE007	14002	8	8.12E+05	4.44E+06	8.00E-06	4.60	3737	7.3	1.6	5	4075	1.6	120	102	6.5
05CE007	7652	8	7.05E+06	4.44E+06	8.00E-06	5.47	38576	7.3	1.3	6	42065	1.3	100	84	56.4
05CE007	13996	8	4.44E+06	4.44E+06	8.00E-06	4.17	18517	7.3	1.8	5	20192	1.8	132	114	35.5
05CE007	14006	8	6.19E+06	4.44E+06	8.00E-06	7.00	43330	7.3	1.0	8	47249	1.0	78	63	49.5
05CE007	7667	8	2.53E+06	4.44E+06	8.00E-06	6.19	15631	7.3	1.2	7	17045	1.2	88	73	20.2
05CE007	13925	8	9.39E+06	4.44E+06	8.00E-06	5.76	54060	7.3	1.3	6	58950	1.3	95	80	75.1
05CE007	13922	8	4.96E+06	4.44E+06	8.00E-06	5.35	26518	7.3	1.4	6	28917	1.4	102	87	39.7
05CE007	7665	8	1.80E+07	4.44E+06	8.00E-06	15.30	275078	7.3	0.5	17	299962	0.5	34	23	143.8
05CE007	7668	8	4.81E+06	4.44E+06	8.00E-06	9.39	45185	7.3	0.8	10	49273	0.8	57	44	38.5
05CE007	7351	8	1.78E+07	4.44E+06	8.00E-06	6.72	119848	7.3	1.1	7	130689	1.1	81	67	142.7
05CE007	7672	8	7.39E+06	4.44E+06	8.00E-06	5.69	42054	7.3	1.3	6	45858	1.3	96	81	59.1
05CE007	13915	8	7.03E+06	4.44E+06	8.00E-06	8.20	57654	7.3	0.9	9	62870	0.9	66	52	56.2
05CE007	13917	8	2.30E+06	4.44E+06	8.00E-06	6.90	15870	7.3	1.1	8	17306	1.1	79	65	18.4
05CE007	13926	8	5.81E+06	4.44E+06	8.00E-06	9.16	53235	7.3	0.8	10	58051	0.8	59	46	46.5
05CE007	7657	8	3.50E+06	4.44E+06	8.00E-06	6.63	23194	7.3	1.1	7	25293	1.1	82	68	28.0
05CE007	13956	8	3.15E+06	4.44E+06	8.00E-06	1.87	5888	7.3	3.9	2	6420	3.9	299	269	25.2

Table A2.4. Three Hills Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID		*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0-2.5}$	STP_{0-15}	l_i
05CE007	13966	8	2.14E+06	4.44E+06	8.00E-06	6.27	13425	7.3	1.2	7	14639	1.2	87	72	17.1
05CE007	13932	8	1.04E+07	4.44E+06	8.00E-06	5.82	60495	7.3	1.3	6	65968	1.3	94	79	83.2
05CE007	14026	8	1.65E+06	4.44E+06	8.00E-06	2.69	4431	7.3	2.7	3	4831	2.7	207	183	13.2
05CE007	13998	8	1.10E+06	4.44E+06	8.00E-06	3.02	3314	7.3	2.4	3	3614	2.4	184	162	8.8
05CE007	13913	8	4.40E+06	4.44E+06	8.00E-06	8.20	36100	7.3	0.9	9	39366	0.9	66	52	35.2
05CE007	14017	8	3.50E+06	4.44E+06	8.00E-06	6.31	22080	7.3	1.2	7	24078	1.2	86	72	28.0
05CE007	14021	8	3.26E+06	4.44E+06	8.00E-06	2.16	7049	7.3	3.4	2	7687	3.4	258	231	26.1
05CE007	13938	8	5.90E+06	4.44E+06	8.00E-06	3.99	23526	7.3	1.8	4	25654	1.8	138	120	47.2
05CE007	13951	8	1.22E+06	4.44E+06	8.00E-06	6.15	7532	7.3	1.2	7	8213	1.2	89	74	9.8
05CE007	7655	8	2.34E+06	4.44E+06	8.00E-06	3.35	7848	7.3	2.2	4	8558	2.2	165	145	18.7
05CE007	13955	8	4.95E+06	4.44E+06	8.00E-06	1.87	9265	7.3	3.9	2	10104	3.9	299	269	39.6
05CE007	13933	8	4.68E+06	4.44E+06	8.00E-06	6.43	30064	7.3	1.1	7	32784	1.1	85	70	37.4
05CE007	7674	8	1.31E+07	4.44E+06	8.00E-06	5.51	72236	7.3	1.3	6	78771	1.3	99	84	104.9
05CE007	13939	8	3.59E+06	4.44E+06	8.00E-06	3.99	14311	7.3	1.8	4	15605	1.8	138	120	28.7
05CE007	7661	8	5.87E+06	4.44E+06	8.00E-06	3.34	19597	7.3	2.2	4	21369	2.2	166	145	46.9
05CE007	13918	8	6.31E+06	4.44E+06	8.00E-06	5.65	35677	7.3	1.3	6	38904	1.3	97	81	50.5
05CE007	7656	8	1.06E+07	4.44E+06	8.00E-06	5.49	58247	7.3	1.3	6	63516	1.3	100	84	84.9
05CE007	14005	8	5.59E+05	4.44E+06	8.00E-06	5.31	2968	7.3	1.4	6	3237	1.4	103	87	4.5
05CE007	7659	8	8.24E+06	4.44E+06	8.00E-06	4.72	38899	7.3	1.6	5	42418	1.6	117	100	65.9
05CE007	14016	8	6.75E+06	4.44E+06	8.00E-06	3.11	20995	7.3	2.4	3	22894	2.4	178	157	54.0
05CE007	7663	8	2.67E+06	4.44E+06	8.00E-06	13.71	36626	7.3	0.5	15	39940	0.5	38	27	21.4
05CE007	7666	8	1.81E+07	4.44E+06	8.00E-06	15.30	276796	7.3	0.5	17	301836	0.5	34	23	144.7
05CE007	13930	8	1.75E+06	4.44E+06	8.00E-06	4.50	7854	7.3	1.6	5	8565	1.6	122	105	14.0
05CE007	14013	8	1.63E+06	4.44E+06	8.00E-06	3.41	5554	7.3	2.2	4	6057	2.2	162	142	13.0
05CE007	14014	8	5.10E+06	4.44E+06	8.00E-06	3.26	16634	7.3	2.3	4	18139	2.3	170	149	40.8
05CE007	7671	8	2.37E+06	4.44E+06	8.00E-06	9.94	23600	7.3	0.7	11	25735	0.7	54	41	19.0
05CE007	13958	8	3.09E+05	4.44E+06	8.00E-06	2.80	864	7.3	2.6	3	942	2.6	199	176	2.5
05CE007	7670	8	1.12E+07	4.44E+06	8.00E-06	14.57	162896	7.3	0.5	16	177632	0.5	36	25	89.4

Table A2.4. Three Hills Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID		*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0-2.5}$	STP_{0-15}	l_i
05CE007	7662	8	2.88E+06	4.44E+06	8.00E-06	13.95	40129	7.3	0.5	15	43759	0.5	37	26	23.0
05CE007	13952	8	8.10E+05	4.44E+06	8.00E-06	2.29	1855	7.3	3.2	2	2023	3.2	243	217	6.5
05CE007	14022	8	6.40E+06	4.44E+06	8.00E-06	2.16	13817	7.3	3.4	2	15067	3.4	258	231	51.2
05CE007	11590	8	3.35E+06	4.44E+06	8.00E-06	4.82	16167	7.3	1.5	5	17629	1.5	114	97	26.8
05CE007	11570	8	4.39E+06	4.44E+06	8.00E-06	4.10	17998	7.3	1.8	4	19626	1.8	135	116	35.1
05CE007	13960	8	2.32E+06	4.44E+06	8.00E-06	1.86	4320	7.3	3.9	2	4711	3.9	300	270	18.6
05CE007	11573	8	3.03E+06	4.44E+06	8.00E-06	4.08	12376	7.3	1.8	4	13495	1.8	135	117	24.3
05CE007	13959	8	4.33E+06	4.44E+06	8.00E-06	1.66	7188	7.3	4.4	2	7838	4.4	337	304	34.6
05CE007	7331	8	7.23E+06	4.44E+06	8.00E-06	4.95	35774	7.3	1.5	5	39010	1.5	111	94	57.8
05CE007	7342	8	1.09E+06	4.44E+06	8.00E-06	3.41	3709	7.3	2.2	4	4045	2.2	162	142	8.7
05CE007	11600	8	2.69E+06	4.44E+06	8.00E-06	5.68	15292	7.3	1.3	6	16675	1.3	96	81	21.5
05CE007	7344	8	2.46E+06	4.44E+06	8.00E-06	3.35	8248	7.3	2.2	4	8994	2.2	165	145	19.7
05CE007	11571	8	8.61E+06	4.44E+06	8.00E-06	3.67	31586	7.3	2.0	4	34444	2.0	151	131	68.9
05CE007	7669	8	5.00E+06	4.44E+06	8.00E-06	10.23	51105	7.3	0.7	11	55728	0.7	52	40	40.0
05CE007	13961	8	3.50E+06	4.44E+06	8.00E-06	1.98	6921	7.3	3.7	2	7547	3.7	282	253	28.0
05CE007	11583	8	2.57E+06	4.44E+06	8.00E-06	4.68	12043	7.3	1.6	5	13132	1.6	118	101	20.6
05CE007	7664	8	4.61E+06	4.44E+06	8.00E-06	13.71	63246	7.3	0.5	15	68967	0.5	38	27	36.9
05CE007	7347	8	2.17E+06	4.44E+06	8.00E-06	3.83	8297	7.3	1.9	4	9048	1.9	144	125	17.3
05CE007	13962	8	3.31E+06	4.44E+06	8.00E-06	1.67	5533	7.3	4.4	2	6033	4.4	335	302	26.5
05CE007	11592	8	2.96E+06	4.44E+06	8.00E-06	3.91	11590	7.3	1.9	4	12638	1.9	141	123	23.7
05CE007	7313	8	3.91E+06	4.44E+06	8.00E-06	8.07	31552	7.3	0.9	9	34406	0.9	67	54	31.3
05CE007	7676	8	1.30E+06	4.44E+06	8.00E-06	5.15	6717	7.3	1.4	6	7325	1.4	107	90	10.4
05CE007	13940	8	3.47E+06	4.44E+06	8.00E-06	4.42	15358	7.3	1.7	5	16747	1.7	125	107	27.8
05CE007	7658	8	8.81E+06	4.44E+06	8.00E-06	4.09	36041	7.3	1.8	4	39301	1.8	135	117	70.5
05CE007	7275	8	5.51E+06	4.44E+06	8.00E-06	8.81	48569	7.3	0.8	10	52962	0.8	61	48	44.1
05CE007	11596	8	8.26E+05	4.44E+06	8.00E-06	5.12	4230	7.3	1.4	6	4612	1.4	107	91	6.6
05CE007	7319	8	7.12E+06	4.44E+06	8.00E-06	4.61	32835	7.3	1.6	5	35806	1.6	119	102	57.0
05CE007	11555	8	7.15E+06	4.44E+06	8.00E-06	6.82	48767	7.3	1.1	7	53178	1.1	80	65	57.2

Table A2.4. Three Hills Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID		*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0-2.5}$	STP_{0-15}	l_i
05CE007	7320	8	1.67E+06	4.44E+06	8.00E-06	2.83	4725	7.3	2.6	3	5152	2.6	196	174	13.4
05CE007	11562	8	7.37E+06	4.44E+06	8.00E-06	6.97	51347	7.3	1.1	8	55992	1.1	78	64	58.9
05CE007	11560	8	6.65E+06	4.44E+06	8.00E-06	7.50	49858	7.3	1.0	8	54368	1.0	72	58	53.2
05CE007	7673	8	4.78E+06	4.44E+06	8.00E-06	6.20	29651	7.3	1.2	7	32333	1.2	88	73	38.3
05CE007	7326	8	6.54E+06	4.44E+06	8.00E-06	3.54	23141	7.3	2.1	4	25235	2.1	156	137	52.3
05CE007	7278	8	3.55E+06	4.44E+06	8.00E-06	6.03	21399	7.3	1.2	7	23335	1.2	91	75	28.4
05CE007	7314	8	5.64E+06	4.44E+06	8.00E-06	8.28	46712	7.3	0.9	9	50938	0.9	65	52	45.1
05CE007	7315	8	2.99E+06	4.44E+06	8.00E-06	9.50	28417	7.3	0.8	10	30988	0.8	56	44	23.9
05CE007	7273	8	8.63E+06	4.44E+06	8.00E-06	8.13	70175	7.3	0.9	9	76523	0.9	66	53	69.1
05CE007	7335	8	2.59E+06	4.44E+06	8.00E-06	4.02	10402	7.3	1.8	4	11342	1.8	137	119	20.7
05CE007	7650	8	9.86E+05	4.44E+06	8.00E-06	6.44	6352	7.3	1.1	7	6927	1.1	85	70	7.9
05CE007	7277	8	1.99E+06	4.44E+06	8.00E-06	5.98	11921	7.3	1.2	7	12999	1.2	91	76	15.9
05CE007	7299	8	7.21E+06	4.44E+06	8.00E-06	17.50	126091	7.3	0.4	19	137498	0.4	29	19	57.6
05CE007	7356	8	1.89E+06	4.44E+06	8.00E-06	6.32	11919	7.3	1.2	7	12997	1.2	86	71	15.1
05CE007	7353	8	1.63E+06	4.44E+06	8.00E-06	6.87	11168	7.3	1.1	7	12178	1.1	79	65	13.0
05CE007	7317	8	4.75E+06	4.44E+06	8.00E-06	9.50	45111	7.3	0.8	10	49192	0.8	56	44	38.0
05CE007	7282	8	7.59E+06	4.44E+06	8.00E-06	2.84	21564	7.3	2.6	3	23515	2.6	196	173	60.7
05CE007	7316	8	2.46E+06	4.44E+06	8.00E-06	9.50	23361	7.3	0.8	10	25474	0.8	56	44	19.7
05CE007	7279	8	8.38E+06	4.44E+06	8.00E-06	6.03	50502	7.3	1.2	7	55070	1.2	91	75	67.0
05CE007	7309	8	3.88E+06	4.44E+06	8.00E-06	12.62	48976	7.3	0.6	14	53406	0.6	42	30	31.0
05CE007	7289	8	2.23E+06	4.44E+06	8.00E-06	17.26	38534	7.3	0.4	19	42020	0.4	30	19	17.9
05CE007	7352	8	1.32E+06	4.44E+06	8.00E-06	6.87	9055	7.3	1.1	7	9874	1.1	79	65	10.5
05CE007	7293	8	1.49E+06	4.44E+06	8.00E-06	18.11	27056	7.3	0.4	20	29503	0.4	28	18	12.0
05CE007	7294	8	7.73E+06	4.44E+06	8.00E-06	17.79	137536	7.3	0.4	19	149978	0.4	29	18	61.8
05CE007	7354	8	1.53E+06	4.44E+06	8.00E-06	6.87	10503	7.3	1.1	7	11454	1.1	79	65	12.2
05CE007	7292	8	1.91E+06	4.44E+06	8.00E-06	18.11	34618	7.3	0.4	20	37750	0.4	28	18	15.3
05CE007	7291	8	2.33E+06	4.44E+06	8.00E-06	18.11	42137	7.3	0.4	20	45949	0.4	28	18	18.6
05CE007	7355	8	9.26E+05	4.44E+06	8.00E-06	6.87	6361	7.3	1.1	7	6936	1.1	79	65	7.4

Table A2.4. Three Hills Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID		*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0-2.5}$	STP_{0-15}	l_i
05CE007	7288	8	6.16E+06	4.44E+06	8.00E-06	4.53	27892	7.3	1.6	5	30415	1.6	122	104	49.3
05CE007	7284	8	8.69E+05	4.44E+06	8.00E-06	2.80	2433	7.3	2.6	3	2653	2.6	199	176	7.0
05CE007	7283	8	2.22E+05	4.44E+06	8.00E-06	2.84	632	7.3	2.6	3	689	2.6	196	173	1.8
05CE007	7295	8	1.06E+07	4.44E+06	8.00E-06	17.79	189019	7.3	0.4	19	206118	0.4	29	18	85.0
05CE007	7318	8	4.02E+06	4.44E+06	8.00E-06	8.46	34030	7.3	0.9	9	37109	0.9	64	51	32.2
05CE007	7310	8	2.43E+06	4.44E+06	8.00E-06	9.36	22750	7.3	0.8	10	24808	0.8	57	45	19.4
05CE007	7323	8	1.97E+06	4.44E+06	8.00E-06	7.42	14623	7.3	1.0	8	15946	1.0	73	59	15.8
05CE007	28128	8	4.75E+05	4.44E+06	8.00E-06	7.13	3390	7.3	1.0	8	3697	1.0	76	62	3.8
05CE007	7327	8	7.49E+05	4.44E+06	8.00E-06	5.69	4263	7.3	1.3	6	4648	1.3	96	81	6.0
05CE007	7396	8	2.64E+05	4.44E+06	8.00E-06	10.88	2872	7.3	0.7	12	3132	0.7	49	37	2.1
05CE007	7271	8	1.55E+06	4.44E+06	8.00E-06	8.91	13818	7.3	0.8	10	15068	0.8	60	47	12.4
05CE007	7338	8	2.47E+06	4.44E+06	8.00E-06	7.81	19283	7.3	0.9	9	21027	0.9	69	56	19.8
05CE007	7324	8	1.15E+06	4.44E+06	8.00E-06	3.62	4168	7.3	2.0	4	4545	2.0	153	133	9.2
Total			5.54E+08				4067263								4435.2

[z] RD = runoff depth

[y] RV = runoff volume

Table A2.5. Buffalo Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05FE002	16844	17	2.09E+06	1.21E+07	1.70E-05	10.33	21607	6.2	0.60	28	59551	0.6	43	31	35.6
05FE002	16675	17	6.88E+06	1.21E+07	1.70E-05	5.30	36471	6.2	1.16	15	100519	1.2	87	72	117.0
05FE002	16588	17	1.02E+08	1.21E+07	1.70E-05	4.23	433273	6.2	1.46	12	1194150	1.5	109	93	1741.3
05FE002	28185	17	7.41E+05	1.21E+07	1.70E-05	11.42	8467	6.2	0.54	31	23335	0.5	39	27	12.6
05FE002	16483	17	4.38E+07	1.21E+07	1.70E-05	10.00	438019	6.2	0.62	28	1207231	0.6	44	33	744.6
05FE002	16514	17	3.71E+07	1.21E+07	1.70E-05	6.32	234424	6.2	0.98	17	646100	1.0	72	58	630.6
05FE002	16495	17	2.57E+06	1.21E+07	1.70E-05	7.59	19496	6.2	0.81	21	53733	0.8	60	47	43.7
05FE002	16607	17	2.85E+06	1.21E+07	1.70E-05	2.71	7726	6.2	2.28	7	21295	2.3	172	151	48.5
05FE002	16615	17	2.73E+06	1.21E+07	1.70E-05	3.73	10166	6.2	1.65	10	28018	1.7	124	107	46.3
05FE002	16479	17	4.61E+06	1.21E+07	1.70E-05	10.15	46839	6.2	0.61	28	129094	0.6	44	32	78.4
05FE002	16604	17	5.53E+06	1.21E+07	1.70E-05	9.10	50333	6.2	0.68	25	138723	0.7	49	37	94.0
05FE002	16511	17	4.78E+07	1.21E+07	1.70E-05	5.29	252750	6.2	1.17	15	696608	1.2	87	72	812.2
05FE002	16530	17	8.39E+06	1.21E+07	1.70E-05	9.21	77250	6.2	0.67	25	212909	0.7	49	36	142.6
05FE002	16518	17	3.44E+06	1.21E+07	1.70E-05	5.97	20551	6.2	1.03	16	56642	1.0	76	62	58.5
05FE002	16537	17	6.90E+06	1.21E+07	1.70E-05	10.71	73884	6.2	0.58	30	203634	0.6	41	30	117.3
05FE002	16517	17	6.13E+05	1.21E+07	1.70E-05	5.82	3570	6.2	1.06	16	9838	1.1	79	64	10.4
05FE002	16526	17	1.24E+06	1.21E+07	1.70E-05	10.15	12581	6.2	0.61	28	34675	0.6	44	32	21.1
05FE002	16440	17	7.83E+05	1.21E+07	1.70E-05	8.93	6996	6.2	0.69	25	19282	0.7	50	38	13.3
05FE002	16441	17	1.49E+06	1.21E+07	1.70E-05	8.93	13275	6.2	0.69	25	36588	0.7	50	38	25.3
05FE002	16471	17	9.16E+05	1.21E+07	1.70E-05	9.05	8289	6.2	0.68	25	22847	0.7	49	37	15.6
05FE002	16579	17	1.40E+06	1.21E+07	1.70E-05	9.45	13258	6.2	0.65	26	36541	0.7	47	35	23.9
05FE002	16557	17	6.50E+05	1.21E+07	1.70E-05	8.15	5301	6.2	0.76	22	14609	0.8	55	43	11.1
05FE002	16515	17	5.22E+05	1.21E+07	1.70E-05	5.78	3018	6.2	1.07	16	8319	1.1	79	65	8.9
05FE002	16608	17	1.14E+06	1.21E+07	1.70E-05	4.94	5646	6.2	1.25	14	15561	1.2	93	78	19.4
05FE002	16516	17	1.37E+06	1.21E+07	1.70E-05	5.78	7898	6.2	1.07	16	21769	1.1	79	65	23.2
05FE002	16578	17	2.08E+06	1.21E+07	1.70E-05	2.72	5664	6.2	2.27	7	15612	2.3	171	151	35.4
05FE002	16513	17	2.00E+06	1.21E+07	1.70E-05	6.06	12103	6.2	1.02	17	33357	1.0	75	61	34.0

Table A2.5. Buffalo Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05FE002	16594	17	1.82E+07	1.21E+07	1.70E-05	3.13	56967	6.2	1.97	9	157009	2.0	149	129	309.4
05FE002	16533	17	1.44E+06	1.21E+07	1.70E-05	5.19	7498	6.2	1.19	14	20664	1.2	88	73	24.6
05FE002	16535	17	1.74E+06	1.21E+07	1.70E-05	5.72	9941	6.2	1.08	16	27400	1.1	80	66	29.5
05FE002	16506	17	1.18E+06	1.21E+07	1.70E-05	10.92	12862	6.2	0.56	30	35449	0.6	40	29	20.0
05FE002	16575	17	7.35E+05	1.21E+07	1.70E-05	3.26	2398	6.2	1.89	9	6608	1.9	143	124	12.5
05FE002	16534	17	7.40E+05	1.21E+07	1.70E-05	5.18	3831	6.2	1.19	14	10558	1.2	89	74	12.6
05FE002	16473	17	1.57E+07	1.21E+07	1.70E-05	9.05	141662	6.2	0.68	25	390437	0.7	49	37	266.1
05FE002	16512	17	3.88E+06	1.21E+07	1.70E-05	6.17	23952	6.2	1.00	17	66016	1.0	74	60	66.0
05FE002	16528	17	6.06E+06	1.21E+07	1.70E-05	10.33	62556	6.2	0.60	28	172411	0.6	43	31	102.9
05FE002	16674	17	5.34E+06	1.21E+07	1.70E-05	10.71	57189	6.2	0.58	30	157621	0.6	41	30	90.8
05FE002	16486	17	1.63E+06	1.21E+07	1.70E-05	9.52	15549	6.2	0.65	26	42855	0.6	47	35	27.8
05FE002	16529	17	2.61E+07	1.21E+07	1.70E-05	9.23	240748	6.2	0.67	25	663530	0.7	48	36	443.4
05FE002	16510	17	6.68E+06	1.21E+07	1.70E-05	5.57	37196	6.2	1.11	15	102516	1.1	82	68	113.5
05FE002	16539	17	1.98E+06	1.21E+07	1.70E-05	2.76	5467	6.2	2.23	8	15066	2.2	169	148	33.7
05FE002	16523	17	1.27E+06	1.21E+07	1.70E-05	8.83	11250	6.2	0.70	24	31006	0.7	51	38	21.7
05FE002	16527	17	4.45E+06	1.21E+07	1.70E-05	10.89	48443	6.2	0.57	30	133514	0.6	41	29	75.6
05FE002	16658	17	5.02E+06	1.21E+07	1.70E-05	9.21	46270	6.2	0.67	25	127525	0.7	49	36	85.4
05FE002	16550	17	1.43E+06	1.21E+07	1.70E-05	6.32	9039	6.2	0.98	17	24912	1.0	72	58	24.3
05FE002	16545	17	3.24E+06	1.21E+07	1.70E-05	10.01	32417	6.2	0.62	28	89345	0.6	44	33	55.1
05FE002	16503	17	1.68E+06	1.21E+07	1.70E-05	8.86	14915	6.2	0.70	24	41107	0.7	51	38	28.6
05FE002	16519	17	3.79E+06	1.21E+07	1.70E-05	5.68	21515	6.2	1.09	16	59298	1.1	81	66	64.4
05FE002	16553	17	7.30E+05	1.21E+07	1.70E-05	9.62	7023	6.2	0.64	27	19355	0.6	46	34	12.4
05FE002	16613	17	8.71E+06	1.21E+07	1.70E-05	10.31	89840	6.2	0.60	28	247610	0.6	43	31	148.1
05FE002	16540	17	1.05E+06	1.21E+07	1.70E-05	9.53	9991	6.2	0.65	26	27538	0.6	47	35	17.8
05FE002	16524	17	1.30E+06	1.21E+07	1.70E-05	10.95	14192	6.2	0.56	30	39114	0.6	40	29	22.0
05FE002	29104	17	7.10E+07	1.21E+07	1.70E-05	3.83	271954	6.2	1.61	11	749536	1.6	121	104	1207.1
05FE002	16507	17	7.22E+06	1.21E+07	1.70E-05	6.26	45207	6.2	0.99	17	124596	1.0	73	59	122.8
05FE002	16504	17	3.66E+06	1.21E+07	1.70E-05	8.47	30961	6.2	0.73	23	85333	0.7	53	41	62.1

Table A2.5. Buffalo Creek watershed.

Stn. PFRA name	Soil poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*i*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0-2.5}$	STP_{0-15}	l_i
05FE002	16488	17	2.55E+07	1.21E+07	1.70E-05	10.33	263012	6.2	0.60	28	724891	0.6	43	31	432.8
05FE002	16536	17	2.26E+07	1.21E+07	1.70E-05	10.71	241698	6.2	0.58	30	666148	0.6	41	30	383.6
05FE002	16532	17	4.87E+07	1.21E+07	1.70E-05	1.02	49687	6.2	6.05	3	136943	6.0	462	421	828.1
05FE002	16476	17	1.65E+06	1.21E+07	1.70E-05	10.31	16994	6.2	0.60	28	46839	0.6	43	31	28.0
05FE002	16465	17	7.59E+06	1.21E+07	1.70E-05	9.73	73891	6.2	0.63	27	203652	0.6	46	34	129.1
05FE002	16595	17	2.38E+07	1.21E+07	1.70E-05	9.64	229521	6.2	0.64	27	632587	0.6	46	34	404.8
05FE002	16609	17	1.30E+06	1.21E+07	1.70E-05	10.95	14219	6.2	0.56	30	39191	0.6	40	29	22.1
05FE002	16521	17	1.41E+07	1.21E+07	1.70E-05	1.67	23519	6.2	3.69	5	64821	3.7	281	252	239.4
05FE002	16525	17	1.18E+06	1.21E+07	1.70E-05	9.27	10948	6.2	0.67	26	30174	0.7	48	36	20.1
05FE002	16601	17	9.80E+06	1.21E+07	1.70E-05	9.94	97455	6.2	0.62	27	268596	0.6	45	33	166.7
05FE002	16631	17	6.81E+06	1.21E+07	1.70E-05	5.00	34053	6.2	1.23	14	93854	1.2	92	77	115.8
05FE002	16522	17	1.51E+06	1.21E+07	1.70E-05	0.69	1043	6.2	8.94	2	2876	8.9	685	627	25.7
05FE002	16617	17	2.62E+06	1.21E+07	1.70E-05	7.86	20562	6.2	0.78	22	56672	0.8	57	45	44.5
05FE002	16531	17	1.32E+06	1.21E+07	1.70E-05	0.71	934	6.2	8.69	2	2574	8.7	665	609	22.4
05FE002	16520	17	6.66E+06	1.21E+07	1.70E-05	1.81	12058	6.2	3.41	5	33232	3.4	259	232	113.2
05FE002	16509	17	2.76E+06	1.21E+07	1.70E-05	1.22	3365	6.2	5.06	3	9275	5.1	386	350	46.9
05FE002	16502	17	8.42E+06	1.21E+07	1.70E-05	1.54	12966	6.2	4.01	4	35736	4.0	305	275	143.1
05FE002	16644	17	4.71E+06	1.21E+07	1.70E-05	4.36	20523	6.2	1.41	12	56565	1.4	106	90	80.0
05FE002	16616	17	3.10E+06	1.21E+07	1.70E-05	9.58	29707	6.2	0.64	26	81877	0.6	47	35	52.7
05FE002	16591	17	1.49E+06	1.21E+07	1.70E-05	3.10	4618	6.2	1.99	9	12728	2.0	150	131	25.3
05FE002	16508	17	1.14E+07	1.21E+07	1.70E-05	1.53	17466	6.2	4.03	4	48139	4.0	307	277	194.1
05FE002	16610	17	3.43E+06	1.21E+07	1.70E-05	10.00	34293	6.2	0.62	28	94516	0.6	44	33	58.3
05FE002	16611	17	8.92E+05	1.21E+07	1.70E-05	10.00	8924	6.2	0.62	28	24594	0.6	44	33	15.2
05FE002	16640	17	2.97E+06	1.21E+07	1.70E-05	3.96	11761	6.2	1.56	11	32414	1.6	117	100	50.5
Total			7.12E+08				4392907								12107.4

[z] RD = runoff depth
[y] RV = runoff volume

Table A2.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil Poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD^z mm	WEPP RV^y m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*I*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	4764	1	2.45E+07	9.40E+05	1.00E-06	4.38	107112	2.5	0.58	1.7	42237	0.6	42	30	24.5
05CK006	4817	1	1.09E+07	9.40E+05	1.00E-06	3.86	42172	2.5	0.66	1.5	16629	0.7	48	35	10.9
05CK006	4797	1	2.67E+06	9.40E+05	1.00E-06	1.81	4837	2.5	1.40	0.7	1907	1.4	105	89	2.7
05CK006	4823	1	2.99E+06	9.40E+05	1.00E-06	4.56	13655	2.5	0.56	1.8	5384	0.6	40	28	3.0
05CK006	4759	1	7.59E+06	9.40E+05	1.00E-06	3.31	25118	2.5	0.77	1.3	9905	0.8	56	43	7.6
05CK006	4786	1	1.04E+07	9.40E+05	1.00E-06	4.32	45138	2.5	0.59	1.7	17799	0.6	42	31	10.4
05CK006	4775	1	3.74E+06	9.40E+05	1.00E-06	3.84	14370	2.5	0.66	1.5	5666	0.7	48	36	3.7
05CK006	4815	1	5.36E+06	9.40E+05	1.00E-06	3.06	16403	2.5	0.83	1.2	6468	0.8	61	48	5.4
05CK006	4766	1	1.42E+06	9.40E+05	1.00E-06	3.62	5140	2.5	0.70	1.4	2027	0.7	51	39	1.4
05CK006	4758	1	4.01E+06	9.40E+05	1.00E-06	3.84	15392	2.5	0.66	1.5	6069	0.7	48	36	4.0
05CK006	4781	1	1.24E+07	9.40E+05	1.00E-06	2.70	33530	2.5	0.94	1.1	13222	0.9	69	56	12.4
05CK006	4763	1	9.09E+06	9.40E+05	1.00E-06	4.25	38623	2.5	0.60	1.7	15230	0.6	43	31	9.1
05CK006	4808	1	2.40E+06	9.40E+05	1.00E-06	1.02	2445	2.5	2.49	0.4	964	2.5	188	166	2.4
05CK006	4788	1	3.33E+06	9.40E+05	1.00E-06	2.77	9237	2.5	0.92	1.1	3642	0.9	67	54	3.3
05CK006	4806	1	9.49E+05	9.40E+05	1.00E-06	0.72	683	2.5	3.52	0.3	269	3.5	268	240	0.9
05CK006	4755	1	7.70E+06	9.40E+05	1.00E-06	4.20	32338	2.5	0.60	1.7	12752	0.6	43	32	7.7
05CK006	4807	1	1.12E+07	9.40E+05	1.00E-06	0.72	8076	2.5	3.52	0.3	3184	3.5	268	240	11.2
05CK006	4814	1	2.44E+06	9.40E+05	1.00E-06	4.45	10871	2.5	0.57	1.8	4287	0.6	41	29	2.4
05CK006	4816	1	9.56E+05	9.40E+05	1.00E-06	3.41	3259	2.5	0.74	1.3	1285	0.7	54	42	1.0
05CK006	4765	1	1.38E+07	9.40E+05	1.00E-06	4.39	60483	2.5	0.58	1.7	23850	0.6	41	30	13.8
05CK006	4784	1	1.00E+07	9.40E+05	1.00E-06	3.67	36712	2.5	0.69	1.4	14476	0.7	50	38	10.0
05CK006	4756	1	5.14E+06	9.40E+05	1.00E-06	4.10	21054	2.5	0.62	1.6	8302	0.6	45	33	5.1
05CK006	4809	1	1.02E+06	9.40E+05	1.00E-06	0.79	803	2.5	3.21	0.3	317	3.2	244	218	1.0
05CK006	4754	1	1.71E+06	9.40E+05	1.00E-06	3.72	6346	2.5	0.68	1.5	2502	0.7	49	37	1.7
05CK006	4810	1	4.21E+06	9.40E+05	1.00E-06	0.86	3622	2.5	2.95	0.3	1428	2.9	224	199	4.2
05CK006	5119	1	4.70E+07	9.40E+05	1.00E-06	3.44	161676	2.5	0.74	1.4	63752	0.7	54	41	47.0
05CK006	5129	1	2.42E+06	9.40E+05	1.00E-06	3.52	8524	2.5	0.72	1.4	3361	0.7	52	40	2.4

Table A2.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil Poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD^z mm	WEPP RV^y m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*I*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	4757	1	2.20E+06	9.40E+05	1.00E-06	3.28	7229	2.5	0.77	1.3	2851	0.8	56	44	2.2
05CK006	5113	1	2.36E+06	9.40E+05	1.00E-06	3.31	7815	2.5	0.77	1.3	3082	0.8	56	43	2.4
05CK006	4795	1	1.27E+05	9.40E+05	1.00E-06	2.53	321	2.5	1.00	1.0	127	1.0	74	60	0.1
05CK006	4753	1	1.36E+06	9.40E+05	1.00E-06	3.27	4432	2.5	0.78	1.3	1748	0.8	57	44	1.4
05CK006	5126	1	7.22E+06	9.40E+05	1.00E-06	2.87	20734	2.5	0.88	1.1	8176	0.9	65	52	7.2
05CK006	4779	1	1.35E+05	9.40E+05	1.00E-06	2.70	365	2.5	0.94	1.1	144	0.9	69	56	0.1
05CK006	4805	1	3.16E+06	9.40E+05	1.00E-06	3.96	12515	2.5	0.64	1.6	4935	0.6	46	34	3.2
05CK006	5118	1	2.31E+06	9.40E+05	1.00E-06	3.24	7477	2.5	0.78	1.3	2948	0.8	57	44	2.3
05CK006	4924	1	1.83E+05	9.40E+05	1.00E-06	3.83	701	2.5	0.66	1.5	276	0.7	48	36	0.2
05CK006	4800	1	1.31E+06	9.40E+05	1.00E-06	2.58	3373	2.5	0.98	1.0	1330	1.0	73	59	1.3
05CK006	4799	1	1.51E+06	9.40E+05	1.00E-06	2.89	4358	2.5	0.88	1.1	1718	0.9	65	51	1.5
05CK006	4822	1	1.03E+06	9.40E+05	1.00E-06	4.39	4538	2.5	0.58	1.7	1790	0.6	41	30	1.0
05CK006	5106	1	1.04E+07	9.40E+05	1.00E-06	2.26	23524	2.5	1.12	0.9	9276	1.1	83	69	10.4
05CK006	5127	1	3.46E+06	9.40E+05	1.00E-06	3.51	12144	2.5	0.72	1.4	4789	0.7	53	40	3.5
05CK006	5108	1	3.42E+06	9.40E+05	1.00E-06	2.86	9778	2.5	0.89	1.1	3855	0.9	65	52	3.4
05CK006	5104	1	3.77E+06	9.40E+05	1.00E-06	1.96	7392	2.5	1.29	0.8	2915	1.3	97	81	3.8
05CK006	5133	1	3.45E+06	9.40E+05	1.00E-06	2.89	9967	2.5	0.88	1.1	3930	0.9	65	51	3.4
05CK006	5124	1	2.54E+06	9.40E+05	1.00E-06	3.40	8626	2.5	0.75	1.3	3402	0.7	54	42	2.5
05CK006	5102	1	2.93E+06	9.40E+05	1.00E-06	1.73	5069	2.5	1.47	0.7	1999	1.5	110	93	2.9
05CK006	4930	1	4.96E+07	9.40E+05	1.00E-06	3.90	193448	2.5	0.65	1.5	76281	0.7	47	35	49.6
05CK006	4785	1	1.81E+07	9.40E+05	1.00E-06	2.84	51285	2.5	0.89	1.1	20223	0.9	66	52	18.1
05CK006	5112	1	1.45E+06	9.40E+05	1.00E-06	3.08	4462	2.5	0.82	1.2	1760	0.8	60	47	1.4
05CK006	5123	1	7.71E+05	9.40E+05	1.00E-06	3.03	2335	2.5	0.84	1.2	921	0.8	61	48	0.8
05CK006	4791	1	3.33E+06	9.40E+05	1.00E-06	2.53	8437	2.5	1.00	1.0	3327	1.0	74	60	3.3
05CK006	5216	1	2.41E+06	9.40E+05	1.00E-06	1.62	3900	2.5	1.57	0.6	1538	1.6	117	100	2.4
05CK006	5125	1	1.80E+06	9.40E+05	1.00E-06	3.40	6135	2.5	0.75	1.3	2419	0.7	54	42	1.8
05CK006	5103	1	2.73E+06	9.40E+05	1.00E-06	1.48	4040	2.5	1.71	0.6	1593	1.7	129	111	2.7
05CK006	5122	1	2.45E+06	9.40E+05	1.00E-06	2.76	6772	2.5	0.92	1.1	2671	0.9	68	54	2.5

Table A2.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil Poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD^z mm	WEPP RV^y m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*I*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	5114	1	4.26E+06	9.40E+05	1.00E-06	3.94	16791	2.5	0.64	1.6	6621	0.6	47	35	4.3
05CK006	5130	1	4.51E+06	9.40E+05	1.00E-06	5.63	25395	2.5	0.45	2.2	10014	0.5	32	21	4.5
05CK006	5107	1	6.86E+06	9.40E+05	1.00E-06	2.93	20106	2.5	0.87	1.2	7928	0.9	64	50	6.9
05CK006	5109	1	2.64E+06	9.40E+05	1.00E-06	2.48	6554	2.5	1.02	1.0	2584	1.0	76	62	2.6
05CK006	5207	1	4.26E+06	9.40E+05	1.00E-06	1.55	6602	2.5	1.64	0.6	2603	1.6	123	105	4.3
05CK006	5115	1	1.55E+06	9.40E+05	1.00E-06	3.94	6100	2.5	0.64	1.6	2405	0.6	47	35	1.5
05CK006	5128	1	9.11E+06	9.40E+05	1.00E-06	3.43	31235	2.5	0.74	1.4	12317	0.7	54	41	9.1
05CK006	4794	1	1.52E+06	9.40E+05	1.00E-06	3.29	5016	2.5	0.77	1.3	1978	0.8	56	44	1.5
05CK006	5212	1	2.12E+06	9.40E+05	1.00E-06	1.77	3747	2.5	1.43	0.7	1478	1.4	107	91	2.1
05CK006	4925	1	1.77E+06	9.40E+05	1.00E-06	2.50	4431	2.5	1.01	1.0	1747	1.0	75	61	1.8
05CK006	5067	1	2.34E+07	9.40E+05	1.00E-06	1.86	43525	2.5	1.36	0.7	17163	1.4	102	86	23.4
05CK006	4908	1	1.52E+06	9.40E+05	1.00E-06	1.24	1887	2.5	2.05	0.5	744	2.0	154	135	1.5
05CK006	5121	1	1.65E+06	9.40E+05	1.00E-06	3.44	5670	2.5	0.74	1.4	2236	0.7	54	41	1.6
05CK006	28259	1	4.16E+06	9.40E+05	1.00E-06	2.48	10308	2.5	1.02	1.0	4065	1.0	76	62	4.2
05CK006	5056	1	2.58E+07	9.40E+05	1.00E-06	3.22	82926	2.5	0.79	1.3	32700	0.8	58	45	25.8
05CK006	5206	1	6.62E+06	9.40E+05	1.00E-06	1.41	9330	2.5	1.80	0.6	3679	1.8	135	117	6.6
05CK006	5055	1	2.73E+05	9.40E+05	1.00E-06	2.20	602	2.5	1.15	0.9	237	1.2	86	71	0.3
05CK006	5210	1	3.69E+06	9.40E+05	1.00E-06	2.09	7718	2.5	1.21	0.8	3043	1.2	90	75	3.7
05CK006	5120	1	2.91E+07	9.40E+05	1.00E-06	3.44	99990	2.5	0.74	1.4	39428	0.7	54	41	29.1
05CK006	5205	1	1.68E+06	9.40E+05	1.00E-06	1.41	2372	2.5	1.80	0.6	935	1.8	135	117	1.7
05CK006	5217	1	2.03E+06	9.40E+05	1.00E-06	2.57	5205	2.5	0.99	1.0	2052	1.0	73	59	2.0
05CK006	5116	1	1.40E+06	9.40E+05	1.00E-06	2.93	4099	2.5	0.87	1.2	1616	0.9	64	50	1.4
05CK006	5110	1	1.44E+07	9.40E+05	1.00E-06	0.40	5757	2.5	6.34	0.2	2270	6.3	485	441	14.4
05CK006	5213	1	3.51E+06	9.40E+05	1.00E-06	1.77	6212	2.5	1.43	0.7	2449	1.4	107	91	3.5
05CK006	5105	1	3.47E+06	9.40E+05	1.00E-06	1.56	5420	2.5	1.63	0.6	2137	1.6	122	105	3.5
05CK006	5057	1	5.67E+06	9.40E+05	1.00E-06	2.85	16164	2.5	0.89	1.1	6374	0.9	65	52	5.7
05CK006	5163	1	2.31E+06	9.40E+05	1.00E-06	6.62	15268	2.5	0.38	2.6	6021	0.4	26	16	2.3
05CK006	5132	1	8.37E+06	9.40E+05	1.00E-06	3.53	29534	2.5	0.72	1.4	11646	0.7	52	40	8.4

Table A2.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil Poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD^z mm	WEPP RV^y m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*I*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	5202	1	2.06E+06	9.40E+05	1.00E-06	1.30	2676	2.5	1.95	0.5	1055	2.0	147	128	2.1
05CK006	4948	1	1.21E+07	9.40E+05	1.00E-06	1.66	20035	2.5	1.53	0.7	7900	1.5	115	98	12.1
05CK006	5101	1	9.37E+05	9.40E+05	1.00E-06	2.02	1892	2.5	1.26	0.8	746	1.3	94	78	0.9
05CK006	5203	1	5.92E+06	9.40E+05	1.00E-06	1.41	8350	2.5	1.80	0.6	3293	1.8	135	117	5.9
05CK006	5204	1	2.77E+06	9.40E+05	1.00E-06	0.88	2435	2.5	2.88	0.3	960	2.9	219	194	2.8
05CK006	5220	1	7.21E+06	9.40E+05	1.00E-06	2.30	16581	2.5	1.10	0.9	6538	1.1	82	67	7.2
05CK006	5117	1	8.65E+06	9.40E+05	1.00E-06	3.24	28010	2.5	0.78	1.3	11045	0.8	57	44	8.6
05CK006	5074	1	2.07E+06	9.40E+05	1.00E-06	5.52	11447	2.5	0.46	2.2	4514	0.5	32	21	2.1
05CK006	5131	1	1.49E+07	9.40E+05	1.00E-06	3.07	45787	2.5	0.83	1.2	18055	0.8	61	48	14.9
05CK006	5166	1	5.03E+07	9.40E+05	1.00E-06	1.36	68433	2.5	1.86	0.5	26984	1.9	140	122	50.3
05CK006	5199	1	2.43E+06	9.40E+05	1.00E-06	1.88	4575	2.5	1.35	0.7	1804	1.3	101	85	2.4
05CK006	5060	1	7.02E+06	9.40E+05	1.00E-06	1.80	12630	2.5	1.41	0.7	4980	1.4	105	89	7.0
05CK006	4957	1	2.09E+06	9.40E+05	1.00E-06	3.90	8147	2.5	0.65	1.5	3212	0.7	47	35	2.1
05CK006	5209	1	1.36E+07	9.40E+05	1.00E-06	1.25	17059	2.5	2.03	0.5	6727	2.0	153	133	13.6
05CK006	5111	1	1.23E+06	9.40E+05	1.00E-06	2.71	3332	2.5	0.94	1.1	1314	0.9	69	55	1.2
05CK006	5222	1	1.01E+06	9.40E+05	1.00E-06	2.36	2382	2.5	1.07	0.9	939	1.1	80	65	1.0
05CK006	5164	1	3.01E+06	9.40E+05	1.00E-06	2.16	6494	2.5	1.17	0.9	2561	1.2	87	72	3.0
05CK006	5214	1	1.95E+06	9.40E+05	1.00E-06	1.50	2924	2.5	1.69	0.6	1153	1.7	127	109	1.9
05CK006	5211	1	2.50E+06	9.40E+05	1.00E-06	1.41	3523	2.5	1.80	0.6	1389	1.8	135	117	2.5
05CK006	5208	1	1.75E+07	9.40E+05	1.00E-06	1.25	21879	2.5	2.03	0.5	8627	2.0	153	133	17.5
05CK006	4970	1	2.86E+07	9.40E+05	1.00E-06	1.30	37218	2.5	1.95	0.5	14676	2.0	147	128	28.6
05CK006	4914	1	9.35E+06	9.40E+05	1.00E-06	1.00	9349	2.5	2.54	0.4	3687	2.5	192	170	9.3
05CK006	5188	1	2.76E+06	9.40E+05	1.00E-06	1.45	3996	2.5	1.75	0.6	1576	1.7	132	113	2.8
05CK006	5197	1	2.80E+06	9.40E+05	1.00E-06	1.55	4347	2.5	1.64	0.6	1714	1.6	123	105	2.8
05CK006	4963	1	3.06E+06	9.40E+05	1.00E-06	0.75	2297	2.5	3.38	0.3	906	3.4	257	230	3.1
05CK006	4950	1	3.34E+07	9.40E+05	1.00E-06	1.25	41775	2.5	2.03	0.5	16473	2.0	153	133	33.4
05CK006	5052	1	3.08E+06	9.40E+05	1.00E-06	1.09	3361	2.5	2.33	0.4	1325	2.3	176	155	3.1
05CK006	5219	1	4.31E+06	9.40E+05	1.00E-06	0.89	3836	2.5	2.85	0.4	1513	2.8	216	192	4.3

Table A2.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil Poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD^z mm	WEPP RV^y m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*I*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	5221	1	5.70E+06	9.40E+05	1.00E-06	1.10	6274	2.5	2.31	0.4	2474	2.3	174	153	5.7
05CK006	4928	1	1.76E+05	9.40E+05	1.00E-06	2.50	440	2.5	1.01	1.0	174	1.0	75	61	0.2
05CK006	4936	1	2.03E+07	9.40E+05	1.00E-06	3.05	61830	2.5	0.83	1.2	24381	0.8	61	48	20.3
05CK006	4960	1	5.55E+06	9.40E+05	1.00E-06	1.30	7212	2.5	1.95	0.5	2844	2.0	147	128	5.5
05CK006	4933	1	9.74E+06	9.40E+05	1.00E-06	3.09	30106	2.5	0.82	1.2	11871	0.8	60	47	9.7
05CK006	5191	1	1.57E+06	9.40E+05	1.00E-06	1.01	1584	2.5	2.51	0.4	625	2.5	190	168	1.6
05CK006	5053	1	2.18E+06	9.40E+05	1.00E-06	1.62	3528	2.5	1.57	0.6	1391	1.6	117	100	2.2
05CK006	5187	1	2.15E+06	9.40E+05	1.00E-06	1.24	2665	2.5	2.05	0.5	1051	2.0	154	135	2.1
05CK006	4913	1	1.66E+06	9.40E+05	1.00E-06	2.87	4766	2.5	0.88	1.1	1879	0.9	65	52	1.7
05CK006	5215	1	4.67E+06	9.40E+05	1.00E-06	1.24	5787	2.5	2.05	0.5	2282	2.0	154	135	4.7
05CK006	4926	1	2.31E+05	9.40E+05	1.00E-06	2.50	578	2.5	1.01	1.0	228	1.0	75	61	0.2
05CK006	5176	1	2.28E+06	9.40E+05	1.00E-06	1.94	4419	2.5	1.31	0.8	1743	1.3	98	82	2.3
05CK006	4951	1	1.40E+06	9.40E+05	1.00E-06	1.36	1901	2.5	1.86	0.5	750	1.9	140	122	1.4
05CK006	5158	1	8.53E+06	9.40E+05	1.00E-06	3.65	31126	2.5	0.69	1.4	12274	0.7	50	38	8.5
05CK006	5179	1	1.65E+06	9.40E+05	1.00E-06	1.79	2959	2.5	1.42	0.7	1167	1.4	106	90	1.7
05CK006	4931	1	1.65E+06	9.40E+05	1.00E-06	3.90	6418	2.5	0.65	1.5	2531	0.7	47	35	1.6
05CK006	5069	1	2.93E+06	9.40E+05	1.00E-06	1.94	5679	2.5	1.31	0.8	2239	1.3	98	82	2.9
05CK006	5063	1	9.02E+06	9.40E+05	1.00E-06	1.88	16957	2.5	1.35	0.7	6687	1.3	101	85	9.0
05CK006	5165	1	1.59E+07	9.40E+05	1.00E-06	1.99	31735	2.5	1.27	0.8	12514	1.3	95	80	15.9
05CK006	5195	1	1.25E+07	9.40E+05	1.00E-06	1.28	16011	2.5	1.98	0.5	6313	2.0	149	130	12.5
05CK006	5218	1	9.21E+06	9.40E+05	1.00E-06	0.75	6908	2.5	3.38	0.3	2724	3.4	257	230	9.2
05CK006	4927	1	1.54E+06	9.40E+05	1.00E-06	2.50	3850	2.5	1.01	1.0	1518	1.0	75	61	1.5
05CK006	5174	1	8.38E+06	9.40E+05	1.00E-06	1.66	13904	2.5	1.53	0.7	5483	1.5	115	98	8.4
05CK006	4967	1	1.08E+07	9.40E+05	1.00E-06	1.83	19700	2.5	1.39	0.7	7768	1.4	104	88	10.8
05CK006	5190	1	5.42E+06	9.40E+05	1.00E-06	1.04	5635	2.5	2.44	0.4	2222	2.4	185	163	5.4
05CK006	4956	1	5.72E+05	9.40E+05	1.00E-06	1.72	984	2.5	1.47	0.7	388	1.5	110	94	0.6
05CK006	5152	1	4.83E+06	9.40E+05	1.00E-06	3.30	15944	2.5	0.77	1.3	6287	0.8	56	43	4.8
05CK006	5062	1	3.04E+06	9.40E+05	1.00E-06	2.35	7138	2.5	1.08	0.9	2815	1.1	80	66	3.0

Table A2.6. Kennedy Coulee watershed.

Stn. PFRA name	Soil Poly #	Stn. PFRA RD mm	Soil poly area m^2	Stn. PFRA RV m^3	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
ID	*I*	*D*	a_i	*Q*	L_{ex}	$dwepp_i$	$qwepp_i$	*Dwepp*	RF_i	d_i	q_i	TP_i	$STP_{0\text{-}2.5}$	$STP_{0\text{-}15}$	l_i
05CK006	4964	1	2.48E+06	9.40E+05	1.00E-06	0.75	1862	2.5	3.38	0.3	734	3.4	257	230	2.5
05CK006	5159	1	4.55E+06	9.40E+05	1.00E-06	3.65	16600	2.5	0.69	1.4	6546	0.7	50	38	4.5
05CK006	4971	1	2.65E+06	9.40E+05	1.00E-06	1.30	3446	2.5	1.95	0.5	1359	2.0	147	128	2.7
05CK006	5184	1	4.96E+06	9.40E+05	1.00E-06	2.09	10359	2.5	1.21	0.8	4085	1.2	90	75	5.0
05CK006	4955	1	6.02E+05	9.40E+05	1.00E-06	1.72	1035	2.5	1.47	0.7	408	1.5	110	94	0.6
05CK006	4953	1	7.74E+05	9.40E+05	1.00E-06	1.01	782	2.5	2.51	0.4	308	2.5	190	168	0.8
05CK006	5181	1	2.44E+05	9.40E+05	1.00E-06	2.43	593	2.5	1.04	1.0	234	1.0	77	63	0.2
05CK006	4946	1	6.02E+05	9.40E+05	1.00E-06	0.83	500	2.5	3.06	0.3	197	3.1	232	207	0.6
Total			9.40E+08				2382743								939.6

[z] RD = runoff depth
[y] RV = runoff volume

Appendix 3. Estimated allowed total phosphorus (TP) concentrations, soil-test phosphorus (STP 0-2.5 cm and STP 0-15 cm) limits, and TP loads within selected microwatersheds using a TP runoff water quality limit (TPRWQL) of 0.5 mg L^{-1}.

Table A3.1. Ponoka microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
13124	1	19	72025	5981	6.84E-06	1.1	79.2	2.0	1.78	11	769.5	0.64	46	34	0.5
13124	2	19	63550	5981	6.84E-06	1.7	108.0	2.0	1.15	17	1049.3	0.41	29	18	0.4
13124	3	19	117275	5981	6.84E-06	1.8	211.1	2.0	1.09	17	2050.4	0.39	27	17	0.8
13124	4	19	18950	5981	6.84E-06	2.2	41.7	2.0	0.89	21	404.9	0.32	22	11	0.1
13124	5	19	10250	5981	6.84E-06	3.5	35.9	2.0	0.56	34	348.5	0.20	12	3	0.1
13124	6	19	18100	5981	6.84E-06	4.0	72.4	2.0	0.49	39	703.2	0.18	11	1	0.1
13124	7	19	5700	5981	6.84E-06	4.3	24.5	2.0	0.45	42	238.1	0.16	10	0	0.0
13124	8	19	8950	5981	6.84E-06	4.8	43.0	2.0	0.41	47	417.3	0.15	8	-1	0.1
Total			314800				615.8				5981				2.2

[z] RD = runoff depth
[y] RV = runoff volume

Table A3.2. Renwick microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
13938	1	13	98050	3412	6.76E-06	1.7	166.7	2.4	1.39	9	919.9	0.72	52	40	0.7
13938	2	13	40275	3412	6.76E-06	1.8	72.5	2.4	1.31	10	400.1	0.68	49	37	0.3
13938	3	13	41900	3412	6.76E-06	2.2	92.2	2.4	1.07	12	508.7	0.56	40	28	0.3
13938	4	13	47475	3412	6.76E-06	3.2	151.9	2.4	0.74	18	838.4	0.38	26	16	0.3
13938	5	13	27675	3412	6.76E-06	3.7	102.4	2.4	0.64	20	565.1	0.33	22	12	0.2
13938	6	13	2975	3412	6.76E-06	4.3	12.8	2.4	0.55	24	70.6	0.28	19	9	0.0
13938	7	13	750	3412	6.76E-06	4.4	3.3	2.4	0.54	24	18.2	0.28	18	8	0.0
13938	8	13	3375	3412	6.76E-06	4.9	16.5	2.4	0.48	27	91.3	0.25	16	6	0.0
Total			262475				618.3				3412				1.8

[z] RD = runoff depth

[y] RV = runoff volume

Table A3.3. Crowfoot Creek microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
6657	1	18	90600	44662	1.49E-05	2.0	181	4.6	2.30	8	710	1.91	144	125	1.4
6657	2	18	90100	44662	1.49E-05	2.4	216	4.6	1.91	9	847	1.59	119	102	1.3
6657	3	18	125400	44662	1.49E-05	3.0	376	4.6	1.53	12	1474	1.27	95	79	1.9
6657	4	18	492500	44662	1.49E-05	4.3	2118	4.6	1.07	17	8298	0.89	65	52	7.4
6657	5	18	90300	44662	1.49E-05	4.4	397	4.6	1.04	17	1557	0.87	64	50	1.3
6657	6	18	391400	44662	1.49E-05	4.5	1761	4.6	1.02	18	6901	0.85	62	49	5.8
6657	7	18	333800	44662	1.49E-05	4.6	1535	4.6	1.00	18	6016	0.83	61	48	5.0
6657	8	18	340300	44662	1.49E-05	4.9	1667	4.6	0.94	19	6533	0.78	57	44	5.1
6657	9	18	57600	44662	1.49E-05	5.3	305	4.6	0.87	21	1196	0.72	52	40	0.9
6657	10	18	144600	44662	1.49E-05	5.5	795	4.6	0.84	22	3116	0.69	50	38	2.2
6657	11	18	75500	44662	1.49E-05	5.9	445	4.6	0.78	23	1745	0.65	47	35	1.1
6657	12	18	181300	44662	1.49E-05	6.0	1088	4.6	0.77	24	4262	0.64	46	34	2.7
6657	13	18	6800	44662	1.49E-05	7.1	48	4.6	0.65	28	189	0.54	38	27	0.1
6657	14	18	61000	44662	1.49E-05	7.6	464	4.6	0.60	30	1816	0.50	36	24	0.9
Total			2481200				11399				44662				37.1

[z] RD = runoff depth
[y] RV = runoff volume

Table A3.4. Three Hills Creek microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
13984	1	25	67350	12991	1.85E-05	3.0	202.1	4.2	1.40	18	1204.4	1.03	77	62	1.2
13984	2	25	110250	12991	1.85E-05	3.5	385.9	4.2	1.20	21	2300.1	0.89	65	52	2.0
13984	3	25	87175	12991	1.85E-05	3.9	340.0	4.2	1.08	23	2026.5	0.80	58	45	1.6
13984	4	25	123450	12991	1.85E-05	4.4	543.2	4.2	0.95	26	3237.8	0.71	51	39	2.3
13984	5	25	106475	12991	1.85E-05	5.3	564.3	4.2	0.79	32	3363.8	0.59	42	30	2.0
13984	6	25	13475	12991	1.85E-05	5.5	74.1	4.2	0.76	33	441.8	0.56	40	29	0.2
13984	7	25	11450	12991	1.85E-05	6.1	69.8	4.2	0.69	36	416.3	0.51	36	25	0.2
Total			519625				2179.4				12990.6				9.6

[z] RD = runoff depth
[y] RV = runoff volume

Table A3.5. Grande Prairie Creek microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
22260	1	50	61600	30980	2.50E-05	10.1	622.2	11.6	1.15	43	2674.5	0.58	41	30	1.5
22260	2	50	216300	30980	2.50E-05	10.6	2292.8	11.6	1.10	46	9856.1	0.55	39	28	5.4
22260	3	50	54800	30980	2.50E-05	11.3	619.2	11.6	1.03	49	2662.0	0.51	37	25	1.4
22260	4	50	106900	30980	2.50E-05	11.5	1229.4	11.6	1.01	49	5284.7	0.51	36	25	2.7
22260	5	50	102800	30980	2.50E-05	12.3	1264.4	11.6	0.95	53	5435.5	0.47	33	22	2.6
22260	6	50	24900	30980	2.50E-05	12.6	313.7	11.6	0.92	54	1348.7	0.46	33	22	0.6
22260	7	50	15700	30980	2.50E-05	14.3	224.5	11.6	0.81	61	965.1	0.41	28	18	0.4
22260	8	50	36600	30980	2.50E-05	17.5	640.5	11.6	0.66	75	2753.4	0.33	23	12	0.9
Total			619600				7206.7				30980				15.5

[z] RD = runoff depth

[y] RV = runoff volume

Table A3.6. Lower Little Bow microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
5931	1	7	43150	6252	3.57E-06	3.0	129	5.6	1.88	4	161	0.96	71	57	0.2
5931	2	7	191775	6252	3.57E-06	4.3	825	5.6	1.31	5	1023	0.67	48	36	0.7
5931	3	7	156125	6252	3.57E-06	4.5	703	5.6	1.25	6	871	0.64	46	34	0.6
5931	4	7	51050	6252	3.57E-06	4.6	235	5.6	1.23	6	291	0.63	45	33	0.2
5931	5	7	53950	6252	3.57E-06	5.0	270	5.6	1.13	6	335	0.58	41	30	0.2
5931	6	7	40325	6252	3.57E-06	6.3	254	5.6	0.90	8	315	0.46	32	21	0.1
5931	7	7	95300	6252	3.57E-06	6.5	619	5.6	0.87	8	768	0.44	31	20	0.3
5931	8	7	33925	6252	3.57E-06	7.0	237	5.6	0.81	9	295	0.41	29	18	0.1
5931	9	7	66950	6252	3.57E-06	7.3	489	5.6	0.77	9	606	0.39	27	17	0.2
5931	10	7	20850	6252	3.57E-06	7.4	154	5.6	0.76	9	191	0.39	27	16	0.1
5931	11	7	18850	6252	3.57E-06	7.6	143	5.6	0.74	9	178	0.38	26	16	0.1
5931	12	7	12650	6252	3.57E-06	7.8	99	5.6	0.72	10	122	0.37	25	15	0.0
5931	13	7	59075	6252	3.57E-06	7.9	467	5.6	0.71	10	579	0.36	25	15	0.2
5931	14	7	6425	6252	3.57E-06	8.1	52	5.6	0.70	10	65	0.36	24	14	0.0
5931	15	7	9925	6252	3.57E-06	8.3	82	5.6	0.68	10	102	0.35	24	13	0.0
5931	16	7	32775	6252	3.57E-06	8.6	282	5.6	0.66	11	350	0.33	23	12	0.1
Total			893100				5040				6252				3.2

[z] RD = runoff depth
[y] RV = runoff volume

Table A3.7. Wabash Creek microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
19653	1	27	30475	9083	1.24E-05	0.4	12.2	0.9	2.36	11	349.2	1.08	80	66	0.4
19653	2	27	132275	9083	1.24E-05	0.6	79.4	0.9	1.57	17	2273.4	0.72	53	40	1.6
19653	3	27	42500	9083	1.24E-05	0.9	38.3	0.9	1.05	26	1095.7	0.48	34	23	0.5
19653	4	27	92575	9083	1.24E-05	1.2	111.1	0.9	0.79	34	3182.2	0.36	25	14	1.1
19653	5	27	26375	9083	1.24E-05	1.7	44.8	0.9	0.55	49	1284.4	0.26	17	7	0.3
19653	6	27	5625	9083	1.24E-05	2.3	12.9	0.9	0.41	66	370.6	0.19	12	2	0.1
19653	7	27	6575	9083	1.24E-05	2.8	18.4	0.9	0.34	80	527.4	0.15	9	0	0.1
Total			336400				317.1				9082.8				4.2

[z] RD = runoff depth

[y] RV = runoff volume

Appendix 4. Estimated allowed total phosphorus (TP) concentrations, soil-test phosphorus (STP 0-2.5 cm and STP 0-15 cm) limits, and TP loads within selected microwatersheds using a TP runoff water quality limit (TPRWQL) of 1.0 mg L^{-1}.

Table A4.1. Ponoka microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
13124	1	19	72025	5981	1.37E-05	1.1	79.2	2.0	1.78	11	769.5	1.28	95	80	1.0
13124	2	19	63550	5981	1.37E-05	1.7	108.0	2.0	1.15	17	1049.3	0.83	61	48	0.9
13124	3	19	117275	5981	1.37E-05	1.8	211.1	2.0	1.09	17	2050.4	0.78	57	44	1.6
13124	4	19	18950	5981	1.37E-05	2.2	41.7	2.0	0.89	21	404.9	0.64	46	34	0.3
13124	5	19	10250	5981	1.37E-05	3.5	35.9	2.0	0.56	34	348.5	0.40	28	17	0.1
13124	6	19	18100	5981	1.37E-05	4.0	72.4	2.0	0.49	39	703.2	0.35	24	14	0.2
13124	7	19	5700	5981	1.37E-05	4.3	24.5	2.0	0.45	42	238.1	0.33	22	12	0.1
13124	8	19	8950	5981	1.37E-05	4.8	43.0	2.0	0.41	47	417.3	0.29	20	10	0.1
Total			314800				615.8				5981.2				4.3

[z] RD = runoff depth
[y] RV = runoff volume

Table A4.2. Renwick microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
13938	1	13	98050	3412	1.37E-05	1.7	166.7	2.4	1.39	9	919.9	1.45	109	92	1.3
13938	2	13	40275	3412	1.37E-05	1.8	72.5	2.4	1.31	10	400.1	1.37	103	87	0.5
13938	3	13	41900	3412	1.37E-05	2.2	92.2	2.4	1.07	12	508.7	1.12	83	69	0.6
13938	4	13	47475	3412	1.37E-05	3.2	151.9	2.4	0.74	18	838.4	0.77	56	44	0.6
13938	5	13	27675	3412	1.37E-05	3.7	102.4	2.4	0.64	20	565.1	0.67	48	36	0.4
13938	6	13	2975	3412	1.37E-05	4.3	12.8	2.4	0.55	24	70.6	0.58	41	30	0.0
13938	7	13	750	3412	1.37E-05	4.4	3.3	2.4	0.54	24	18.2	0.56	40	29	0.0
13938	8	13	3375	3412	1.37E-05	4.9	16.5	2.4	0.48	27	91.3	0.50	36	25	0.0
Total			262475				618.3				3412				3.6

[z] RD = runoff depth

[y] RV = runoff volume

Table A4.3. Crowfoot Creek microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
6657	1	18	90600	44662	3.01E-05	2.0	181	4.6	2.30	8	710	3.84	292	263	2.7
6657	2	18	90100	44662	3.01E-05	2.4	216	4.6	1.91	9	847	3.20	243	217	2.7
6657	3	18	125400	44662	3.01E-05	3.0	376	4.6	1.53	12	1474	2.56	194	171	3.8
6657	4	18	492500	44662	3.01E-05	4.3	2118	4.6	1.07	17	8298	1.78	134	116	14.8
6657	5	18	90300	44662	3.01E-05	4.4	397	4.6	1.04	17	1557	1.74	131	113	2.7
6657	6	18	391400	44662	3.01E-05	4.5	1761	4.6	1.02	18	6901	1.70	128	110	11.8
6657	7	18	333800	44662	3.01E-05	4.6	1535	4.6	1.00	18	6016	1.67	125	108	10.0
6657	8	18	340300	44662	3.01E-05	4.9	1667	4.6	0.94	19	6533	1.57	117	100	10.2
6657	9	18	57600	44662	3.01E-05	5.3	305	4.6	0.87	21	1196	1.45	108	92	1.7
6657	10	18	144600	44662	3.01E-05	5.5	795	4.6	0.84	22	3116	1.39	104	88	4.3
6657	11	18	75500	44662	3.01E-05	5.9	445	4.6	0.78	23	1745	1.30	97	81	2.3
6657	12	18	181300	44662	3.01E-05	6.0	1088	4.6	0.77	24	4262	1.28	95	80	5.4
6657	13	18	6800	44662	3.01E-05	7.1	48	4.6	0.65	28	189	1.08	80	66	0.2
6657	14	18	61000	44662	3.01E-05	7.6	464	4.6	0.60	30	1816	1.01	75	61	1.8
Total			2481200				11399				44662				74.6

[z] RD = runoff depth
[y] RV = runoff volume

Table A4.4. Three Hills Creek microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
13984	1	25	67350	12991	3.70E-05	3.0	202.1	4.2	1.40	18	1204.4	2.07	156	136	2.5
13984	2	25	110250	12991	3.70E-05	3.5	385.9	4.2	1.20	21	2300.1	1.77	133	115	4.1
13984	3	25	87175	12991	3.70E-05	3.9	340.0	4.2	1.08	23	2026.5	1.59	119	102	3.2
13984	4	25	123450	12991	3.70E-05	4.4	543.2	4.2	0.95	26	3237.8	1.41	106	89	4.6
13984	5	25	106475	12991	3.70E-05	5.3	564.3	4.2	0.79	32	3363.8	1.17	87	72	3.9
13984	6	25	13475	12991	3.70E-05	5.5	74.1	4.2	0.76	33	441.8	1.13	84	69	0.5
13984	7	25	11450	12991	3.70E-05	6.1	69.8	4.2	0.69	36	416.3	1.02	75	61	0.4
Total			519625				2179.4				12991				19.2

[z] RD = runoff depth
[y] RV = runoff volume

Table A4.5. Grande Prairie Creek microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
22260	1	50	61600	30980	5.00E-05	10.1	622.2	11.6	1.15	43	2674.5	1.15	86	71	3.1
22260	2	50	216300	30980	5.00E-05	10.6	2292.8	11.6	1.10	46	9856.1	1.10	81	67	10.8
22260	3	50	54800	30980	5.00E-05	11.3	619.2	11.6	1.03	49	2662.0	1.03	76	62	2.7
22260	4	50	106900	30980	5.00E-05	11.5	1229.4	11.6	1.01	49	5284.7	1.01	75	61	5.3
22260	5	50	102800	30980	5.00E-05	12.3	1264.4	11.6	0.95	53	5435.5	0.95	70	56	5.1
22260	6	50	24900	30980	5.00E-05	12.6	313.7	11.6	0.92	54	1348.7	0.92	68	55	1.2
22260	7	50	15700	30980	5.00E-05	14.3	224.5	11.6	0.81	61	965.1	0.81	60	47	0.8
22260	8	50	36600	30980	5.00E-05	17.5	640.5	11.6	0.66	75	2753.4	0.66	48	36	1.8
Total			619600				7206.7				30980.0				31.0

[z] RD = runoff depth

[y] RV = runoff volume

Table A4.6. Lower Little Bow microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
5931	1	7	43150	6252	7.14E-06	3.0	129	5.6	1.88	4	161	1.92	145	126	0.3
5931	2	7	191775	6252	7.14E-06	4.3	825	5.6	1.31	5	1023	1.34	100	84	1.4
5931	3	7	156125	6252	7.14E-06	4.5	703	5.6	1.25	6	871	1.28	95	80	1.1
5931	4	7	51050	6252	7.14E-06	4.6	235	5.6	1.23	6	291	1.25	93	78	0.4
5931	5	7	53950	6252	7.14E-06	5.0	270	5.6	1.13	6	335	1.15	86	71	0.4
5931	6	7	40325	6252	7.14E-06	6.3	254	5.6	0.90	8	315	0.91	67	54	0.3
5931	7	7	95300	6252	7.14E-06	6.5	619	5.6	0.87	8	768	0.89	65	52	0.7
5931	8	7	33925	6252	7.14E-06	7.0	237	5.6	0.81	9	295	0.82	60	47	0.2
5931	9	7	66950	6252	7.14E-06	7.3	489	5.6	0.77	9	606	0.79	58	45	0.5
5931	10	7	20850	6252	7.14E-06	7.4	154	5.6	0.76	9	191	0.78	57	44	0.1
5931	11	7	18850	6252	7.14E-06	7.6	143	5.6	0.74	9	178	0.76	55	43	0.1
5931	12	7	12650	6252	7.14E-06	7.8	99	5.6	0.72	10	122	0.74	54	41	0.1
5931	13	7	59075	6252	7.14E-06	7.9	467	5.6	0.71	10	579	0.73	53	41	0.4
5931	14	7	6425	6252	7.14E-06	8.1	52	5.6	0.70	10	65	0.71	52	39	0.0
5931	15	7	9925	6252	7.14E-06	8.3	82	5.6	0.68	10	102	0.69	50	38	0.1
5931	16	7	32775	6252	7.14E-06	8.6	282	5.6	0.66	11	350	0.67	48	36	0.2
Total			893100				5040				6252				6.4

[z] RD = runoff depth

[y] RV = runoff volume

Table A4.7. Wabash Creek microwatershed.

Soil poly #	Hill Slope #	Soil poly # RD mm	Polygon area m^2	Soil poly # RV m^2	TP export coeffcient kg m^{-2}	WEPP RD[z] mm	WEPP RV[y] m^3	Avg. WEPP RD mm	Runoff factor	Adjusted RD mm	Estimated RV m^3	Allow TP mg L^{-1}	STP 0-2.5 cm mg kg^{-1}	STP 0-15 cm mg kg^{-1}	TP load kg
	Ii	d_i	a_{ii}	*q*	*Lex*	$dwepp_{ii}$	$qwepp_{ii}$	*dwepp*	RF_{ii}	d_{ii}	q_{ii}	TP_{ii}	$STP_{ii\ 0\text{-}2.5}$	$STP_{ii\ 0\text{-}1.5}$	l_{ii}
19653	1	27	30475	9083	2.48E-05	0.4	12.2	0.9	2.36	11	349.2	2.17	164	143	0.8
19653	2	27	132275	9083	2.48E-05	0.6	79.4	0.9	1.57	17	2273.4	1.45	108	92	3.3
19653	3	27	42500	9083	2.48E-05	0.9	38.3	0.9	1.05	26	1095.7	0.96	71	57	1.1
19653	4	27	92575	9083	2.48E-05	1.2	111.1	0.9	0.79	34	3182.2	0.72	53	40	2.3
19653	5	27	26375	9083	2.48E-05	1.7	44.8	0.9	0.55	49	1284.4	0.51	36	25	0.7
19653	6	27	5625	9083	2.48E-05	2.3	12.9	0.9	0.41	66	370.6	0.38	26	16	0.1
19653	7	27	6575	9083	2.48E-05	2.8	18.4	0.9	0.34	80	527.4	0.31	21	11	0.2
Total			336400				317.1				9082.8				8.4

[z] RD = runoff depth

[y] RV = runoff volume