United States
Environmental Protection
Agency

Great Lakes
National Program Office
230 South Dearborn Street
Chicago, Illinois 60604

EPA-905/9-91-008B
GL-09B-91

EPA

The Maumee River Basin Pilot Watershed Study

Volume V - Continued Watershed Monitoring (1981-1985) and Rainulator Study - Detailed Data (1986)

FOREWORD

The U.S. Environmental Protection Agency (**USEPA**) was created because of increasing public and governmental concern about the dangers of pollution to the health and welfare of the American people. Noxious air, foul water, and spoiled land are tragic testimony to the deterioration of our natural environment.

The Great Lakes National Program Office (**GLNPO**) of the U.S. EPA was established in Chicago, Illinois to provide specific focus on the water quality concerns of the Great Lakes. The Section 108(a) Demonstration Grant Program of the Clean Water Act (PL 92-500) is specific to the Great Lakes drainage basin and thus is administered by the Great Lakes National Program Office.

Several demonstration projects within the Great Lakes drainage basin have been funded as a result of Section 108(a). This report describes one such project supported by this office to carry out our responsibility to improve water quality in the Great Lakes.

We hope the information and data contained herein will help planners and managers of pollution control agencies to make better decisions in carrying forward their pollution control responsibilities.

Director
Great Lakes National Program Office

EPA-905/9-91-008B
GL-09B-91

THE MAUMEE RIVER BASIN PILOT WATERSHED STUDY

Continued Watershed Monitoring (1981-1985) and

Rainulator Study-Detailed Data

Volume V

by

TERRY J. LOGAN
Principal Investigator

AND

ROBERT RETTIG

for

The Ohio State University, Columbus, Ohio 43210

and

Defiance County, Soil and Water Conservation District
Defiance, Ohio

GRANT NO. R005774-01

Ralph G. Christensen
Project Officer

John C. Lowrey
Technical Assistant

Submitted to:

GREAT LAKES NATIONAL PROGRAM OFFICE
U.S. ENVIRONMENTAL PROTECTION AGENCY
230 SOUTH DEARBORN STREET
CHICAGO, ILLINOIS 60604

D I S C L A I M E R

This report has been reviewed by the Great Lakes National Program Office, U.S. Environmental Protection Agency, and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. Environmental Protection Agency nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

PREFACE

The data summarized here have been discussed and the methodology presented in Volume IV of this report by T. J. Logan entitled "Continued Watershed Monitoring (1981-85) and Rainulator Study." This report is available through the USEPA Region V, Great Lakes National Program Office.

Appendix A

Runoff and Tile Drainage From the Blount; Paulding and Roselms Watersheds (1981-83)

DEFIANCE PLOTS- RUNOFF AND TILE DRAINAGE

---------- PLOT=BLOUNT RUNOFF(401) YEAR=81 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
6	6	108	2772	12.503	0.299	11.19	34.11
6	11	88	2554	7.511	0.063	5.38	25.18
6	15	83	3748	0.099	0.260	2.39	17.59
6	25	154	6766	3.026	0.157	0.70	3.67
7	1	134	10370	3.805	0.079	0.35	5.42
9	11	55	4846	4.955	0.039	0.00	1.99
10	23	123	250	0.099	0.008	0.00	2.96
11	24	50	52	0.195	0.012	0.46	5.66

---------- PLOT=BLOUNT RUNOFF(401) YEAR=82 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
1	28	183	26	0.195	.	0.86	1.96
3	12	80	36	0.000	0.039	0.39	1.07
3	14	50	138	0.390	0.102	0.82	0.71
3	15	180	96	0.439	0.035	0.89	0.25
3	16	321	80	0.098	0.062	0.71	0.57
5	28	248	1616	2.245	0.059	0.93	0.18
7	6	59	588	0.781	0.016	0.11	1.46

---------- PLOT=BLOUNT RUNOFF(401) YEAR=83 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
6	13	197	1126	1.806	0.166	0.04	1.06
6	28	244	100	1.318	0.878	0.37	0.49
11	16	.	330	2.200	0.127	.	.
11	26	.	600	1.169	0.107	0.04	3.31
12	6	.	296	2.000	0.000	0.09	3.83

---------- PLOT=BLOUNT TILE (402) YEAR=81 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
2	26	48524	20	0.000	.	.	.
3	3	.	34	0.500	0.012	0.00	5.80
4	17	87467	76	0.494	.	0.00	11.84
4	22	8985	2	0.148	0.067	0.00	9.78
4	24	2110	18	.	0.031	0.14	0.21
4	29	87565	160	0.500	0.067	0.00	16.29
5	1	34986	14	0.297	0.035	0.00	17.64
5	8	66194	42	0.247	0.050	0.09	13.75

DEFIANCE PLOTS- RUNOFF AND TILE DRAINAGE

---------- PLOT=BLOUNT TILE (402) YEAR=81 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
5	11	47691	76	0.148	0.089	0.00	6.90
5	13	13356	36	0.544	0.047	0.00	1.55
5	15	5000	142	0.445	0.089	0.00	4.03
5	19	34338	14	0.395	0.054	0.00	4.74
5	29	8117	6	.	0.020	0.14	8.33
6	1	2864	18	0.494	0.039	0.19	11.18
6	5	.	26	0.198	0.039	0.05	11.32
6	8	61091	68	0.148	0.133	0.69	18.19
6	11	75616	218	.	0.205	0.37	70.25
6	15	79571	102	0.395	0.114	0.37	55.51
6	22	28426	510	0.494	0.098	0.09	50.97
6	25	10565	66	0.494	0.137	0.70	40.43
6	26	4114	20	0.000	0.133	0.35	0.50
7	1	7594	126	0.791	0.067	0.32	15.21
7	10	3406	.	.	.	.	.
9	4	66827	94	.	0.196	11.85	17.11
9	11	1538	232	0.634	0.094	0.00	19.42
10	6	62435	36	.	0.051	0.79	3.19
10	23	74460	128	0.099	0.031	0.69	14.44
10	27	28100	62	0.099	0.008	1.39	4.80
10	28	51041	98	0.468	0.070	0.75	6.32
10	29	7635	58	0.876	0.068	0.16	5.19
11	24	19704	30	0.146	0.008	0.71	2.05
12	2	12345	12	0.293	.	0.11	5.43
12	9	23322	42	0.195	0.016	0.82	3.16

---------- PLOT=BLOUNT TILE (402) YEAR=82 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
1	4	60400	22	0.146	.	0.18	8.82
1	6	36911	48	0.195	0.035	0.46	3.25
1	15	36916	68	0.244	.	.	.
2	18	94917	.	.	.	.	.
2	24	44210	20	0.146	.	0.75	2.07
2	26	34141	20	0.000	0.008	0.68	2.40
3	2	9007	8	0.195	.	0.00	0.79
3	12	89347	.	.	.	.	.
3	12	14345	22	0.049	0.016	0.00	1.43
3	14	38247	20	0.049	0.031	0.08	0.86
3	15	43000	14	0.049	0.016	0.29	0.43
3	16	67856	30	0.000	0.020	0.92	0.12
3	17	61200	38	0.098	0.043	0.22	0.43
3	18	45627	50	0.098	0.055	0.37	1.14
3	22	53627	88	0.244	0.051	0.00	2.46
3	23	5707	16	0.146	0.133	0.46	3.28
3	26	32450	58	0.146	0.079	0.25	4.74

DEFIANCE PLOTS- RUNOFF AND TILE DRAINAGE

---------- PLOT=BLOUNT TILE (402) YEAR=82 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
3	31	52678	230	0.195	0.109	0.14	5.71
4	1	10178	242	0.390	0.059	0.64	7.39
4	5	29265	210	0.244	0.062	0.46	2.26
4	12	10703	82	0.098	0.043	0.04	5.71
4	13	60007	132	0.098	0.043	0.04	4.24
4	20	74769	218	0.244	0.078	0.32	5.32
5	26	76864	104	0.195	0.105	0.14	1.82
5	28	61005	200	0.586	0.121	0.14	3.61
6	3	23265	70	0.439	0.102	0.36	4.46
6	18	13697	64	0.293	0.058	0.18	7.71
6	22	22046	140	0.342	0.043	10.63	0.00
6	29	3729	26	0.146	0.066	0.79	6.28
7	6	85605	70	0.293	0.051	0.29	3.07
7	12	29760	120	0.293	0.055	0.11	4.07
7	21	4995	88	0.244	0.043	0.23	2.99
11	2	61334	322	0.976	0.298	0.26	4.01
11	3	45299	122	0.634	0.146	0.26	2.37
11	12	10774	238	0.439	0.160	0.10	4.24
11	14	6825	122	0.195	0.108	0.24	5.44
11	22	36920	244	0.781	0.277	0.74	1.82
11	24	63904	248	0.683	0.188	0.53	2.90
11	30	20912	242	0.439	0.180	0.10	2.11
12	3	39838	404	0.678	0.136	0.66	1.32
12	4	65724	400	0.976	.	0.13	0.46
12	7	78342	242	0.781	0.196	0.11	0.39
12	17	72310	350	0.732	0.172	0.33	0.46
12	21	17099	288	0.537	0.088	0.20	2.70
12	26	44729	624	1.269	0.176	0.20	1.51
12	28	63782	28	0.976	0.136	0.43	0.56
12	29	10256	370	0.781	0.076	0.14	0.25

---------- PLOT=BLOUNT TILE (402) YEAR=83 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
1	25	6420	116	0.390	0.040	0.12	0.65
2	2	12438	192	0.537	0.120	0.21	2.21
2	4	25638	158	0.537	0.104	0.57	2.44
3	14	16740	96	0.439	0.064	0.00	2.48
3	18	.	16	0.098	0.020	0.00	3.21
3	25	9860	104	0.293	0.024	0.00	0.53
3	28	12077	318	0.634	0.080	0.12	1.74
3	30	17602	376	0.732	0.064	0.28	2.15
4	2	53930	226	0.439	0.040	0.32	1.58
4	7	66559	352	0.683	0.056	0.11	0.67
4	8	6208	284	0.586	0.032	[illegible]	1.06
4	11	96186	454	0.830	0.078	[illegible]	0.81

DEFIANCE PLOTS- RUNOFF AND TILE DRAINAGE

---------- PLOT=BLOUNT TILE (402) YEAR=83 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
4	14	99415	440	0.781	0.107	0.00	0.64
4	15	9535	346	0.634	0.059	0.04	0.65
4	20	6653	56	0.195	0.049	0.00	0.37
5	1	42912	256	0.537	0.107	0.24	2.03
5	2	57595	358	0.732	0.098	0.16	0.45
5	4	11521	280	0.537	0.078	0.41	0.90
5	9	3565	78	0.195	0.059	0.49	1.87
5	25	33423	602	0.927	0.107	0.32	2.11
6	13	13639	222	0.439	0.107	0.24	0.90
6	30	11545	108	0.634	0.381	0.28	0.28
11	16	1650	390	2.050	0.098	0.00	3.78
11	21	36434	432	2.050	0.088	0.00	3.48
11	28	22600	410	2.000	0.107	0.00	3.25
11	29	61514	430	2.500	0.107	0.00	2.54
12	5	45806	230	1.330	0.098	0.00	3.28
12	6	75500	132	1.600	0.098	0.05	2.87
12	12	98030	254	1.700	0.137	0.01	2.12

---------- PLOT=FAULDING RUNOFF(501 YEAR=81 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
4	17	275	1368	2.965	0.110	0.00	9.73
4	29	117	3592	1.137	0.376	0.00	5.57
5	1	94	2602	1.038	0.067	.	.
5	15	115	862	1.532	0.062	0.00	0.24
6	1	776	1618	1.977	0.122	0.00	0.89
6	15	110	608	.	0.043	0.00	0.00
6	22	229	466	1.038	0.055	0.09	0.00
6	26	92	1704	1.415	0.147	0.21	0.00
9	4	917	598	0.741	0.353	0.14	1.06
10	28	146	420	.	0.074	1.58	2.69

---------- PLOT=FAULDING RUNOFF(501 YEAR=82 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
1	4	493	52	0.195	0.006	0.00	0.00
2	19	285	54	0.244	0.023	0.00	1.52
2	24	32	102	0.488	0.113	0.04	1.00
3	12	110	.	.	.	.	.
3	14	40	60	0.195	0.043	0.32	2.39
3	15	178	80	0.244	0.027	0.16	0.86
3	16	456	782	0.683	0.039	0.52	0.37
3	17	125	502	0.537	0.039	0.22	0.99

DEFIANCE PLOTS- RUNOFF AND TILE DRAINAGE

PLOT=PAULDING RUNOFF(501 YEAR=82

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
3	22	146	366	0.390	0.012	1.54	9.14
4	1	61	42	2.733	0.023	0.54	0.89
4	15	114	158	0.293	0.016	0.50	2.53
4	20	62	854	1.074	0.000	0.54	1.50
5	28	492	1260	1.415	0.082	0.57	9.28
7	6	28	652	0.878	0.000	0.07	17.63
11	30	56	378	0.683	0.000	0.20	4.94
12	4	158	566	0.537	0.024	0.07	0.46
12	8	50	234	0.488	0.024	0.20	0.20
12	26	271	1766	1.806	.	0.10	0.16

PLOT=PAULDING RUNOFF(501 YEAR=83

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
4	2	349	1862	2.050	0.004	0.00	0.61
5	2	308	1516	1.610	0.039	0.28	0.57
6	28	518	926	1.074	0.068	0.00	2.37
11	16	204	1390	4.250	0.127	0.00	2.75
11	28	290	932	3.400	0.088	0.04	0.38
12	10	130	322	1.350	0.107	0.02	0.70
12	12	138	166	6.300	0.185	0.50	0.53

PLOT=PAULDING TILE (502) YEAR=81

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
2	26	2810	26	1.433	.	.	.
3	4	7072	6	0.198	.	.	.
4	17	15399	.	0.148	.	0.00	2.20
4	22	1454	66	0.247	0.039	0.61	0.14
4	29	5769	620	1.137	0.055	0.23	2.16
5	1	4492	528	0.791	0.266	0.00	0.66
5	8	4665	166	0.346	0.256	0.00	0.00
5	11	2462	.	.	.	.	.
5	15	4732	500	0.791	0.361	.	.
5	19	2472	84	0.346	0.043	0.00	0.00
6	11	6362	690	2.224	0.209	0.33	0.04
6	15	5589	686	1.087	0.039	0.33	0.42
6	22	2736	778	1.067	0.055	0.00	0.47
6	26	4770	680	0.494	0.090	0.00	0.00
9	4	23441	60	0.244	0.106	0.07	0.07
9	25	4085	78	0.099	0.055	0.11	0.52
10	6	2518	646	0.198	0.039	0.68	0.37
10	23	4478	414	0.346	0.031	0.96	1.69

DEFIANCE PLOTS- RUNOFF AND TILE DRAINAGE

---------- PLOT=PAULDING TILE (502) YEAR=81 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
10	27	2271	376	1.171	0.063	0.00	0.00
10	28	2242	346	0.248	0.029	0.00	2.23
11	24	3071	132	0.341	0.078	0.71	0.73
12	2	1111	74	0.146	0.098	1.57	0.00
12	23	1554	30	0.244	0.039	0.82	0.19

---------- PLOT=PAULDING TILE (502) YEAR=82 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
1	4	2430	44	0.195	.	0.93	0.93
2	19	13315	24	0.195	0.062	0.14	0.07
3	12	1735	.	.	.	.	.
3	16	3714	136	0.439	0.039	0.21	1.14
3	17	2974	208	0.293	0.035	0.22	0.46
3	18	1300	84	0.390	0.047	0.07	0.43
3	22	3846	138	0.342	0.043	0.50	0.25
4	1	2559	1246	1.464	0.076	0.79	2.00
4	20	4552	390	0.586	0.062	2.78	2.61
5	28	2447	32	0.634	0.394	.	.
.	.	.	.	.	.	0.82	5.75
.	.	.	196	0.195	0.052	0.20	4.41
5	28	1600	284	0.732	0.203	0.07	15.00
6	3	1200	74	0.537	0.215	0.29	9.35
6	29	2766	42	0.244	0.094	0.07	7.07
7	6	3037	106	0.342	0.152	0.16	20.67
11	2	7510	770	0.878	0.120	0.26	15.20
11	3	6009	144	0.468	0.117	0.20	12.83
11	12	2626	148	0.439	0.043	0.22	16.69
11	19	1205	90	0.342	0.031	0.34	13.24
11	22	10109	348	0.146	0.048	0.28	4.22
11	24	5125	.	.	.	.	.
11	30	9336	176	0.390	0.024	0.07	3.82
12	4	7244	342	0.537	0.032	0.33	1.84
12	6	13228	370	0.390	0.052	0.33	0.86
12	17	2633	430	0.342	0.036	0.33	2.83
12	22	3340	134	1.100	0.032	0.10	2.83
12	26	6094	896	3.100	0.024	0.20	2.17
12	28	3893	770	1.008	.	0.00	0.66
12	29	1079	678	2.350	0.028	0.04	0.00

DEFIANCE PLOTS- RUNOFF AND TILE DRAINAGE

---------- PLOT=PAULDING TILE (502) YEAR=83 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
2	2	828	.	3.250	0.052	0.07	8.26
2	4	2490	322	1.250	0.028	0.00	4.91
3	16	15668	110	0.800	0.072	0.00	4.67
3	26	6134	262	1.150	0.012	0.07	5.25
4	2	3797	526	1.950	0.008	0.25	5.74
4	3	1813	828	3.000	0.008	0.00	2.88
4	7	4065	316	1.150	0.012	0.46	4.41
4	11	4181	550	0.634	0.049	0.04	0.65
4	14	3684	918	1.025	0.049	0.93	0.00
5	1	2742	546	0.634	0.049	1.69	0.53
5	2	1832	1240	1.220	0.059	0.00	2.21
5	20	2137	524	0.732	0.088	0.20	2.13
6	13	1359	682	0.732	0.098	0.12	1.17
6	28	6919	710	0.732	0.096	0.04	2.68
6	30	2400	214	0.342	0.078	0.28	0.32
10	24	13646	122	1.500	0.244	0.05	4.70
11	3	7688	48	1.000	0.166	.	.
11	15	6939	130	0.900	0.195	0.07	5.93
11	16	4553	988	4.250	0.264	0.00	1.46
11	20	8315	404	2.500	0.205	0.07	2.84
11	25	7708	.	.	.	.	.
11	28	4404	790	3.900	0.185	0.00	1.22
12	5	4893	522	2.600	0.195	0.01	2.09
12	10	6366	696	4.300	0.293	0.00	1.78
12	12	4436	326	2.050	0.176	0.02	1.23
12	20	5216	.	.	.	.	.

---------- PLOT=PAULDING TILE (502) YEAR=84 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
2	17	4333	.	.	.	.	.
3	21	11403	.	.	.	.	.
3	30	12354	.	.	.	.	.
4	5	5197	.	.	.	.	.
4	9	5998	.	.	.	.	.
4	16	6592	.	.	.	.	.
4	17	4791	.	.	.	.	.
4	23	10957	.	.	.	.	.

DEFIANCE PLOTS- RUNOFF AND TILE DRAINAGE

PLOT=ROSELMS RUNOFF(111) YEAR=81

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
4	17	162	232	1.067	0.521	0.09	2.06
4	29	278	300	0.000	0.086	0.05	0.32
5	11	220	106	0.247	0.089	0.00	1.30
5	15	540	110	0.346	0.105	0.00	0.19
6	11	1430	4330	4.546	0.020	0.09	1.27
6	15	906	3472	3.163	0.035	0.00	0.51
6	22	3408	1990	3.163	0.012	0.00	1.36
6	26	1562	7722	1.384	0.079	0.00	0.00
9	4	238	1422	1.137	0.063	0.14	4.71
10	9	73	482	0.148	0.082	0.00	3.43
10	23	161	352	0.446	0.063	0.00	0.43
10	26	273	444	0.099	0.004	0.29	1.59

PLOT=ROSELMS RUNOFF(111) YEAR=82

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
1	4	5736	180	0.293	0.062	0.96	2.00
2	19	3608	92	0.244	0.020	0.36	0.99
3	12	3000	102	0.195	0.006	1.54	0.00
3	15	9800	720	0.634	0.004	0.43	0.99
3	16	419	3078	2.391	0.004	0.22	2.13
3	17	122	1776	1.171	0.008	.	.
4	1	140	7292	4.880	0.016	0.21	0.93
4	20	272	5222	3.172	0.020	0.04	2.11
5	28	2050	9930	5.466	0.000	0.36	3.53
7	12	213	6004	4.099	0.000	0.93	0.29
11	2	248	5698	2.977	0.031	0.77	1.02
11	30	0	788	0.683	0.012	0.11	1.30
12	4	0	1966	0.927	0.008	0.18	0.67
12	17	353	1538	0.976	0.008	0.25	2.21
12	25	957	4314	2.489	.	0.00	0.89
12	28	145	2012	1.269	0.008	0.13	0.79

PLOT=ROSELMS RUNOFF(111) YEAR=83

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
2	2	109	2706	1.854	0.004	0.32	2.63
3	27	385	1272	0.878	0.000	0.18	2.07
3	28	41	5446	2.538	0.004	0.41	1.22
4	2	460	2420	1.220	0.004	0.24	1.30
4	11	292	2658	1.806	0.019	0.00	0.93
4	13	109	1764	1.269	0.098	0.24	0.89
4	14	670	3412	2.098	0.009	0.24	0.73

DEFIANCE PLOTS- RUNOFF AND TILE DRAINAGE

---------- PLOT=ROSELMS RUNOFF(111) YEAR=83 ----------

MONTH	DAY	PUMP TIME (SEC)	SEDIMENT (MG/L)	TOTAL P (MG/L)	ORTHO P (MG/L)	NH3N (MG/L)	NO3N (MG/L)
5	1	277	808	1.854	1.074	0.16	2.60
5	2	1308	2234	2.050	0.234	0.32	5.60
6	13	3017	4350	3.074	0.029	0.00	1.09
6	28	1053	2748	2.000	0.049	0.24	3.50
11	16	413	1526	4.150	0.117	0.00	4.25
11	19	162	1716	4.000	0.068	0.02	2.34
11	28	1244	.	.	.	.	.
12	10	674	962	2.700	0.039	0.04	2.62
12	12	1391	458	1.500	0.059	0.00	1.92

Appendix B

Runoff Data From The Baldwin, Paulding and Rethmel Watersheds in 1981-85 for Individual Events

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	12	1230	60	1.0
.	.	4	12	1330	60	1.0
.	.	4	12	1430	60	0.9
.	.	4	12	1530	60	0.7
.	.	4	12	1630	60	0.6
.	.	4	12	1730	60	0.5
.	.	4	12	1830	60	0.4
.	.	4	12	1930	60	0.2
.	.	4	13	30	60	3.4
.	.	4	13	130	60	4.0
.	.	4	13	230	60	4.2
.	.	4	13	330	60	6.4
.	.	4	13	430	60	7.4
.	.	4	13	530	60	6.2
.	.	4	13	630	60	5.6
.	.	4	13	730	60	5.2
.	.	4	13	830	60	4.6
.	.	4	13	930	60	4.4
.	.	4	13	1030	60	4.0
.	.	4	13	1130	60	3.6
.	.	4	13	1230	60	3.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	13	1330	60	3.0
.	.	4	13	1430	60	2.6
.	.	4	13	1530	60	2.4
.	.	4	13	1630	60	2.0
.	.	4	13	1730	60	1.8
.	.	4	13	1830	60	1.6
.	.	4	13	1930	60	1.4
.	.	4	13	2030	60	1.2
.	.	4	13	2130	60	1.0
.	.	4	13	2230	60	1.0
.	.	4	13	2330	60	0.9
.	.	4	14	30	60	0.8
.	.	4	14	130	60	0.8
.	.	4	14	230	60	0.7
.	.	4	14	330	60	0.6
.	.	4	14	430	60	0.6
.	.	4	14	530	60	0.5
.	.	4	14	630	60	0.4
.	.	4	14	730	60	0.4
.	.	4	14	830	60	0.4
.	.	4	14	930	60	0.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY FAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	26	230	60	0.2
.	.	4	26	330	60	0.2
.	.	4	26	430	60	0.2
.	.	4	26	530	60	0.2
.	.	4	26	630	60	0.2
.	.	4	26	730	60	0.2
.	.	4	26	830	60.	0.2
.	.	4	26	930	60	0.2
.	.	4	26	1030	60	0.2
.	.	4	26	1130	60	1.6
.	.	4	26	1230	60	2.2
.	.	4	26	1330	60	1.6
.	.	4	26	1430	60	1.3
.	.	4	26	1530	60	1.0
.	.	4	26	1630	60	2.8
.	.	4	26	1730	60	5.4
.	.	4	26	1830	60	5.2
.	.	4	26	1930	60	6.0
.	.	4	26	2030	60	6.0
.	.	4	26	2130	60	7.4
.	.	4	26	2230	60	6.8

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- ILOT=BALDWIN (801) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	26	2330	60	6.2
.	.	4	29	30	60	6.0
.	.	4	29	130	60	5.6
.	.	4	29	230	60	5.2
.	.	4	29	330	60	4.6
.	.	4	29	430	60	4.4
.	.	4	29	530	60	4.2
.	.	4	29	630	60	3.8
.	.	4	29	730	60	3.6
.	.	4	29	830	60	3.4
.	.	4	29	930	60	3.2
.	.	4	29	1030	60	3.0
.	.	4	29	1130	60	2.8
.	.	4	29	1230	60	2.7
.	.	4	29	1330	60	2.6
.	.	4	29	1430	60	2.4
.	.	4	29	1530	60	2.3
.	.	4	29	1630	60	2.2
.	.	4	29	1730	60	2.1
.	.	4	29	1830	60	2.0
.	.	4	29	1930	60	1.9

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	29	2030	60	1.8
.	.	4	29	2130	60	1.7
.	.	4	29	2230	60	1.6
.	.	4	29	2330	60	1.6
.	.	4	30	30	60	1.5
.	.	4	30	130	60	1.4
.	.	4	30	230	60	1.4
.	.	4	30	330	60	1.4
.	.	4	30	430	60	1.3
.	.	4	30	530	60	1.3
.	.	4	30	630	60	1.3
.	.	4	30	730	60	1.2
.	.	4	30	830	60	1.2
.	.	4	30	930	60	1.2
.	.	4	30	1030	60	1.2
.	.	4	30	1130	60	1.1
.	.	4	30	1230	60	1.0
.	.	4	30	1330	60	0.9
.	.	4	30	1430	60	0.8
.	.	4	30	1530	60	0.7
.	.	4	30	1630	60	0.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY FALLDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	30	1730	60	0.6
.	.	4	30	1830	60	0.5
.	.	4	30	1930	60	0.2
.	.	4	30	2030	60	0.2
.	.	4	30	2130	60	0.2
.	.	4	30	2230	60	0.2
.	.	4	30	2330	60	0.2
.	.	5	1	30	60	0.2
.	.	5	1	130	60	0.7
.	.	5	1	230	60	0.7
.	.	5	1	330	60	0.9
.	.	5	1	430	60	0.9
.	.	5	1	530	60	1.0
.	.	5	1	630	60	1.1
.	.	5	1	730	60	1.1
.	.	5	1	830	60	1.0
.	.	5	1	930	60	1.0
.	.	5	1	1030	60	1.0
.	.	5	1	1130	60	0.9
.	.	5	1	1230	60	0.8
.	.	5	1	130	60	0.5

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	5	1	230	60	0.4
.	.	5	9	1700	60	1.8
.	.	5	9	1800	60	1.8
.	.	5	9	1900	60	1.2
.	.	5	9	2000	60	0.6
.	.	5	9	2100	60	0.1
.	.	5	9	2200	60	0.1
.	.	5	9	2300	60	0.1
.	.	5	9	2400	60	0.1
.	.	5	10	100	60	0.1
.	.	5	10	200	60	0.1
.	.	5	10	300	60	0.1
.	.	5	10	400	60	0.1
.	.	5	10	500	60	0.6
.	.	5	10	600	60	0.8
.	.	5	10	700	60	0.8
.	.	5	10	800	60	0.8
.	.	5	10	900	60	0.8
.	.	5	10	1000	60	0.9
.	.	5	10	1100	60	1.1
.	.	5	10	1200	60	1.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	5	10	1300	60	1.7
.	.	5	10	1400	60	2.0
.	.	5	10	1500	60	2.8
.	.	5	10	1600	60	3.8
.	.	5	10	1700	60	4.0
.	.	5	10	1800	60	4.2
.	.	5	10	1900	60	4.2
.	.	5	10	2000	60	3.8
.	.	5	10	2100	60	3.5
.	.	5	10	2200	60	3.4
.	.	5	10	2300	60	3.4
.	.	5	10	2400	60	5.0
.	.	5	11	100	60	5.2
.	.	5	11	200	60	4.8
.	.	5	11	300	60	4.4
.	.	5	11	400	60	4.2
.	.	5	11	500	60	3.8
.	.	5	11	600	60	3.6
.	.	5	11	700	60	3.4
.	.	5	11	800	60	3.2
.	.	5	11	900	60	3.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=61 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	5	11	1000	60	2.9
.	.	5	11	1100	60	2.8
.	.	5	11	1200	60	2.6
.	.	5	11	1300	60	2.5
.	.	5	11	1400	60	2.4
.	.	5	11	1500	60	2.2
.	.	5	11	1600	60	2.1
.	.	5	11	1700	60	2.0
.	.	5	11	1600	60	1.8
.	.	5	11	1900	60	1.7
.	.	5	11	2000	60	1.6
.	.	5	11	2100	60	1.5
.	.	5	11	2200	60	1.4
.	.	5	11	2300	60	1.3
.	.	5	11	2400	60	1.2
.	.	5	12	100	60	1.2
.	.	5	12	200	60	1.1
.	.	5	12	300	60	1.1
.	.	5	12	400	60	1.0
.	.	5	12	500	60	0.9
.	.	5	12	600	60	0.9

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	5	12	700	60	0.6
.	.	5	12	800	60	0.7
.	.	5	14	1100	60	1.2
.	.	5	14	1200	60	3.0
.	.	5	14	1300	60	4.4
.	.	5	14	1400	60	5.0
.	.	5	14	1500	60	5.4
.	.	5	14	1600	60	5.3
.	.	5	14	1700	60	5.2
.	.	5	14	1800	60	5.2
.	.	5	14	1900	60	4.8
.	.	5	14	2000	60	4.6
.	.	5	14	2100	60	4.2
.	.	5	14	2200	60	4.0
.	.	5	14	2300	60	3.7
.	.	5	14	2400	60	3.4
.	.	5	15	100	60	3.2
.	.	5	15	200	60	3.4
.	.	5	15	300	60	4.6
.	.	5	15	400	60	4.7
.	.	5	15	500	60	4.7

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=81 ----------

EVENT	SAMPLE	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	5	15	600	60	4.7
.	.	5	15	700	60	4.6
.	.	5	15	800	60	4.4
.	.	5	15	900	60	4.2
.	.	5	15	1000	60	4.0
.	.	5	15	1100	60	3.8
.	.	5	15	1200	60	3.6
.	.	5	15	1300	60	3.4
.	.	5	15	1400	60	3.2
.	.	5	15	1500	60	3.1
.	.	5	15	1600	60	2.9
.	.	5	15	1700	60	2.8
.	.	5	15	1800	60	2.6
.	.	5	15	1900	60	2.4
.	.	5	15	2000	60	2.3
.	.	5	15	2100	60	2.2
.	.	5	15	2200	60	2.1
.	.	5	15	2300	60	2.0
.	.	5	15	2400	60	1.9
.	.	5	16	100	60	1.8
.	.	5	16	200	60	1.7

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY FAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (B01) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	5	16	300	60	1.6
.	.	5	16	400	60	1.5
.	.	5	16	500	60	1.4
.	.	5	16	600	60	1.4
.	.	5	16	700	60	1.3
.	.	5	16	800	60	1.3
.	.	5	16	900	60	1.2
.	.	5	16	1000	60	1.2
.	.	5	16	1100	60	1.1
.	.	5	16	1200	60	1.0
.	.	5	16	1300	60	0.9
.	.	5	16	1400	60	0.8
.	.	5	16	1500	60	0.8
.	.	6	5	1600	60	3.2
.	.	6	5	1700	60	3.2
.	.	6	5	1800	60	2.8
.	.	6	5	1900	60	4.8
.	.	6	5	2000	60	4.8
.	.	6	5	2100	60	4.2
.	.	6	5	2200	60	3.8
.	.	6	5	2300	60	3.8

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	6	5	2400	60	3.8
.	.	6	6	100	60	3.6
.	.	6	6	200	60	3.4
.	.	6	6	300	60	3.3
.	.	6	6	400	60	3.2
.	.	6	6	500	60	3.0
.	.	6	6	600	60	2.8
.	.	6	6	700	60	2.6
.	.	6	6	800	60	2.6
.	.	6	6	900	60	2.5
.	.	6	6	1000	60	2.4
.	.	6	6	1100	60	2.3
.	.	6	6	1200	60	2.2
.	.	6	6	1300	60	2.0
.	.	6	6	1400	60	1.8
.	.	6	6	1500	60	1.6
.	.	6	6	1600	60	1.4
.	.	6	6	1700	60	1.2
.	.	6	6	1800	60	1.0
.	.	6	6	1900	60	0.7
.	.	6	6	2000	60	0.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	6	25	100	60	8.0
.	.	6	25	200	60	13.0
.	.	6	25	300	60	16.6
.	.	6	25	400	60	16.8
.	.	6	25	500	60	3.6
.	.	10	22	1100	60	0.3
.	.	10	22	1200	60	1.1
.	.	10	22	1300	60	3.0
.	.	10	22	1400	60	4.0
.	.	10	22	1500	60	4.6
.	.	10	22	1600	60	6.0
.	.	10	22	1700	60	6.6
.	.	10	22	1800	60	6.8
.	.	10	22	1900	60	6.7
.	.	10	22	2000	60	6.4
.	.	10	22	2100	60	6.0
.	.	10	22	2200	60	5.4
.	.	10	22	2300	60	4.8
.	.	10	22	2400	60	4.4
.	.	10	23	100	60	4.0
.	.	10	23	200	60	3.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	10	23	300	60	3.4
.	.	10	23	400	60	3.1
.	.	10	23	500	60	2.8
.	.	10	23	600	60	2.6
.	.	10	23	700	60	2.5
.	.	10	23	800	60	2.3
.	.	10	23	900	60	2.2
.	.	10	23	1000	60	2.0
.	.	10	23	1100	60	2.0
.	.	10	23	1200	60	1.9
.	.	10	23	1300	60	1.8
.	.	10	23	1400	60	1.6
.	.	10	23	1500	60	0.7
.	.	10	23	1600	60	0.6
.	.	10	23	1700	60	0.5
.	.	10	23	1800	60	0.4
.	.	10	23	1900	60	0.2
.	.	10	23	2000	60	0.2
.	.	10	27	700	60	1.4
.	.	10	27	800	60	2.0
.	.	10	27	900	60	2.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	10	27	1000	60	2.3
.	.	10	27	1100	60	2.3
.	.	10	27	1200	60	2.3
.	.	10	27	1300	60	2.3
.	.	10	27	1400	60	2.6
.	.	10	27	1500	60	3.4
.	.	10	27	1600	60	5.4
.	.	10	27	1700	60	7.0
.	.	10	27	1800	60	7.2
.	.	10	27	1900	60	6.8
.	.	10	27	2000	60	6.2
.	.	10	27	2100	60	5.6
.	.	10	27	2200	60	5.0
.	.	10	27	2300	60	4.4
.	.	10	27	2400	60	4.0
.	.	10	28	100	60	3.4
.	.	10	28	200	60	3.0
.	.	10	28	300	60	2.6
.	.	10	28	400	60	2.2
.	.	10	28	500	60	2.0
.	.	10	28	600	60	1.9

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	10	28	700	60	1.7
.	.	10	28	800	60	1.4
.	.	10	28	900	60	1.2
.	.	10	28	1000	60	1.0
.	.	10	28	1100	60	0.9
.	.	10	28	1200	60	0.8
.	.	10	28	1300	60	0.8
.	.	10	28	1400	60	0.6
.	.	10	28	1500	60	0.5
.	.	10	28	1600	60	0.4
.	.	10	28	1700	60	0.3
.	.	11	26	1200	60	0.3
.	.	11	26	1300	60	0.1
.	.	11	26	1400	60	0.1
.	.	11	26	1500	60	0.1
.	.	11	26	1600	60	0.0
.	.	11	26	1700	60	0.0
.	.	11	26	1800	60	0.1
.	.	11	26	1900	60	0.5
.	.	11	26	2000	60	0.4
.	.	11	26	2100	60	0.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	11	26	2200	60	0.4
.	.	11	26	2300	60	0.4
.	.	11	26	2400	60	0.4
.	.	11	27	100	60	0.3
.	.	11	27	200	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

---------- PLOT=BALDWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	2	22	1500	60	12.4
.	.	2	22	1600	60	12.8
.	.	2	22	1700	60	12.6
.	.	2	22	1800	60	12.2
.	.	2	22	1900	60	12.0
.	.	2	22	2000	60	11.6
.	.	2	22	2100	60	10.6
.	.	2	22	2200	60	9.0
.	.	2	22	2300	60	13.6
.	.	2	22	2400	60	14.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	2	23	100	60	14.4
.	.	2	23	200	60	14.6
.	.	2	23	300	60	14.8
.	.	2	23	400	60	15.2
.	.	2	23	500	60	15.6
.	.	2	23	600	60	16.4
.	.	2	23	700	60	17.2
.	.	2	23	800	60	17.6
.	.	2	23	900	60	17.0
.	.	2	23	1000	60	15.8
.	.	2	23	1100	60	15.0
.	.	2	23	1200	60	14.0
.	.	2	23	1300	60	10.8
.	.	2	23	1400	60	11.8
.	.	2	23	1500	60	12.0
.	.	2	23	1600	60	12.1
.	.	2	23	1700	60	11.8
.	.	2	23	1800	60	11.6
.	.	2	23	1900	60	11.2
.	.	2	23	2000	60	10.4
.	.	2	23	2100	60	9.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY BALDWIN SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	2	23	2200	60	4.6
.	.	2	23	2300	60	2.0
.	.	2	23	2400	60	1.2
.	.	2	24	100	60	0.6
.	.	3	16	600	60	2.4
.	.	3	16	700	60	6.2
.	.	3	16	800	60	9.6
.	.	3	16	900	60	10.0
.	.	3	16	1000	60	8.0
.	.	3	16	1100	60	6.6
.	.	3	16	1200	60	5.4
.	.	3	16	1300	60	4.6
.	.	3	16	1400	60	4.2
.	.	3	16	1500	60	4.6
.	.	3	16	1600	60	6.2
.	.	3	16	1700	60	5.8
.	.	3	16	1800	60	5.0
.	.	3	16	1900	60	4.0
.	.	3	16	2000	60	3.2
.	.	3	16	2100	60	2.5
.	.	3	16	2200	60	2.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY BAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	16	2300	60	2.0
.	.	3	16	2400	60	1.6
.	.	3	17	100	60	1.3
.	.	3	17	200	60	1.0
.	.	3	17	300	60	0.9
.	.	3	17	400	60	0.7
.	.	3	17	500	60	0.5
.	.	3	17	600	60	0.4
.	.	3	19	1500	60	1.0
.	.	3	19	1600	60	1.8
.	.	3	19	1700	60	1.5
.	.	3	19	1800	60	1.3
.	.	3	19	1900	60	1.5
.	.	3	19	2000	60	1.8
.	.	3	19	2100	60	1.9
.	.	3	19	2200	60	1.6
.	.	3	19	2300	60	2.2
.	.	3	19	2400	60	2.8
.	.	3	20	100	60	3.7
.	.	3	20	200	60	3.6
.	.	3	20	300	60	3.5

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	20	400	60	3.2
.	.	3	20	500	60	2.9
.	.	3	20	600	60	3.2
.	.	3	20	700	60	3.0
.	.	3	20	600	60	2.7
.	.	3	20	900	60	2.4
.	.	3	20	1000	60	2.2
.	.	3	20	1100	60	2.2
.	.	3	20	1200	60	1.9
.	.	3	20	1300	60	1.4
.	.	3	20	1400	60	1.2
.	.	3	20	1500	60	1.0
.	.	3	20	1600	60	0.9
.	.	3	20	1700	60	0.8
.	.	3	20	1800	60	0.8
.	.	3	20	1900	60	0.7
.	.	3	20	2000	60	0.6
.	.	3	20	2100	60	0.5
.	.	3	20	2200	60	0.5
.	.	3	20	2300	60	0.4
.	.	3	25	1500	60	0.3

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	25	1600	60	0.3
.	.	3	25	1700	60	0.5
.	.	3	25	1800	60	0.5
.	.	3	25	1900	60	0.4
.	.	3	25	2000	60	3.0
.	.	3	25	2100	60	1.8
.	.	3	30	2200	60	5.0
.	.	3	30	2300	60	4.4
.	.	3	30	2400	60	3.6
.	.	4	1	100	60	2.2
.	.	4	1	200	60	1.6
.	.	4	1	300	60	1.2
.	.	4	1	400	60	0.9
.	.	4	1	500	60	0.6
.	.	4	1	600	60	0.4
.	.	4	12	930	60	0.6
.	.	4	12	1030	60	1.6
.	.	4	12	1130	60	4.2
.	.	4	12	1230	60	6.8
.	.	4	12	1330	60	6.0
.	.	4	12	1430	60	5.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	12	1530	60	4.4
.	.	4	12	1630	60	3.4
.	.	4	12	1730	60	2.8
.	.	4	12	1830	60	2.0
.	.	4	12	1930	60	1.4
.	.	4	12	2030	60	0.4
.	.	4	17	30	60	3.8
.	.	4	17	130	60	7.0
.	.	4	17	230	60	6.6
.	.	4	17	330	60	5.4
.	.	4	17	430	60	4.2
.	.	4	17	530	60	2.6
.	.	4	17	630	60	1.4
.	.	4	17	730	60	0.8
.	.	4	17	830	60	0.4
.	.	5	27	2200	60	7.0
.	.	5	27	2300	60	5.4
.	.	5	27	2400	60	3.4
.	.	5	28	100	60	2.2
.	.	5	28	200	60	1.4
.	.	5	28	300	60	0.9

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	5	28	400	60	0.7
.	.	5	28	500	60	0.5
.	.	5	28	600	60	0.4
.	.	7	3	330	60	2.6
.	.	7	3	430	60	4.8
.	.	7	3	530	60	4.4
.	.	7	3	630	60	3.4
.	.	7	3	730	60	2.4
.	.	7	3	830	60	6.2
.	.	7	3	930	60	6.6
.	.	7	3	1030	60	5.4
.	.	7	3	1130	60	4.4
.	.	7	3	1230	60	4.2
.	.	7	3	1330	60	4.2
.	.	7	3	1430	60	3.4
.	.	7	3	1530	60	2.2
2	1	11	23	1530	60	0.2
2	0	11	23	1630	60	0.3
2	0	11	23	1730	60	0.6
2	0	11	23	1830	60	0.9
2	0	11	23	1930	60	0.9

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
2	1	96	0.20	0.094	0.00	0.16
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (B01) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
2	0	11	23	2030	60	0.7
2	0	11	23	2130	60	0.6
2	0	11	23	2230	60	0.6
2	0	11	23	2330	60	0.5
2	0	11	24	30	60	0.4
2	0	11	24	130	60	0.4
2	0	11	24	230	60	0.3
2	0	11	24	330	60	0.3
2	0	11	24	430	60	0.2
2	0	11	24	530	60	0.2
2	0	11	24	630	60	0.2
2	0	11	24	730	60	0.2
2	0	11	24	830	60	0.2
2	0	11	24	930	60	0.2
2	2	11	24	1030	60	0.2
3	0	11	28	1030	60	0.4
3	0	11	28	1130	60	1.5
3	0	11	28	1230	60	2.0
3	0	11	28	1330	60	2.2
3	0	11	28	1430	60	2.6
3	0	11	28	1530	60	3.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	0	.	.	.	.	.
2	2	200	0.39	0.396	0.13	0.39
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
3	0	11	28	1630	60	3.3
3	0	11	28	1730	60	3.5
3	0	11	28	1830	60	3.6
3	0	11	28	1930	60	3.6
3	0	11	28	2030	60	3.5
3	0	11	28	2130	60	3.4
3	0	11	28	2230	60	3.1
3	0	11	28	2330	60	2.7
3	0	11	29	30	60	2.5
3	0	11	29	130	60	2.2
3	0	11	29	230	60	2.6
3	0	11	29	330	60	2.8
3	0	11	29	430	60	2.8
3	0	11	29	530	60	2.3
3	0	11	29	630	60	1.9
3	0	11	29	730	60	1.3
3	0	11	29	830	60	1.0
3	0	11	29	930	60	0.6
3	0	11	29	1030	60	0.4
3	0	11	29	1130	60	0.3
3	0	11	29	1230	60	0.3

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	0	.	.	.	.	.

DEFIANCE COUNTY FAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
3	0	11	29	1330	60	0.3
3	0	11	29	1430	60	0.3
3	1	11	29	1530	60	0.3
4	0	12	3	1830	60	0.2
4	0	12	3	1930	60	1.2
4	0	12	3	2030	60	4.0
4	0	12	3	2130	60	6.4
4	0	12	3	2230	60	6.3
4	0	12	3	2330	60	6.0
4	0	12	4	30	60	7.6
4	0	12	4	130	60	7.6
4	0	12	4	230	60	6.8
4	0	12	4	330	60	6.1
4	0	12	4	430	60	5.2
4	0	12	4	530	60	4.3
4	0	12	4	630	60	3.5
4	0	12	4	730	60	2.7
4	0	12	4	830	60	2.1
4	0	12	4	930	60	1.0
4	1	12	4	1030	60	0.4
4	0	12	4	1130	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
3	0	.	.	.	.	.
3	0	.	.	.	.	.
3	1	390	0.61	1.970	0.10	0.66
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	1	530	0.54	0.064	.	.
4	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALLWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
4	0	12	4	1230	60	0.1
4	0	12	4	1330	60	0.1
4	0	12	4	1430	60	0.1
4	0	12	4	1530	60	0.1
4	0	12	4	1630	60	0.1
4	0	12	4	1730	60	0.1
4	2	12	4	1830	60	0.1
4	0	12	4	1930	60	0.0
4	0	12	4	2030	60	0.1
4	0	12	4	2130	60	1.2
4	0	12	4	2230	60	1.5
4	0	12	4	2330	60	1.1
4	0	12	5	30	60	0.9
4	0	12	5	130	60	0.8
4	0	12	5	230	60	0.7
4	0	12	5	330	60	0.5
4	0	12	5	430	60	0.4
4	0	12	5	530	60	0.1
4	0	12	5	630	60	0.1
4	0	12	5	730	60	0.1
4	0	12	5	830	60	0.1

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	2	350	0.39	0.044	0.13	0.39
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
4	0	12	5	930	60	0.1
4	0	12	5	1030	60	0.6
4	0	12	5	1130	60	0.7
4	0	12	5	1230	60	0.7
4	0	12	5	1330	60	0.8
4	0	12	5	1430	60	1.0
4	0	12	5	1530	60	0.9
4	0	12	5	1630	60	0.5
4	0	12	5	1730	60	0.3
0	0	12	15	800	60	0.9
0	0	12	15	900	60	1.7
0	0	12	15	1000	60	2.5
0	0	12	15	1100	60	3.1
0	0	12	15	1200	60	3.0
0	0	12	15	1300	60	2.8
0	0	12	15	1400	60	2.8
0	0	12	15	1500	60	2.5
0	0	12	15	1600	60	2.2
0	0	12	15	1700	60	2.2
0	0	12	15	1800	60	1.7
0	0	12	15	1900	60	1.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
4	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
0	0	12	15	2000	60	1.2
0	0	12	15	2100	60	0.9
0	0	12	15	2200	60	0.6
0	0	12	15	2300	60	0.5
0	0	12	15	2400	60	0.3
5	0	12	24	200	60	1.0
5	0	12	24	300	60	1.4
5	0	12	24	400	60	1.3
5	0	12	24	500	60	1.2
5	0	12	24	600	60	1.0
5	0	12	24	700	60	0.8
5	0	12	24	800	60	0.6
5	0	12	24	900	60	0.4
5	0	12	24	1000	60	0.3
5	0	12	24	1100	60	0.3
5	0	12	24	1200	60	0.3
5	0	12	24	1300	60	0.3
5	0	12	24	1400	60	0.2
5	0	12	24	1500	60	0.2
5	0	12	24	1600	60	0.2
5	0	12	24	1700	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
5	0	12	24	1800	60	0.2
5	0	12	24	1900	60	0.2
5	0	12	24	2000	60	0.2
5	0	12	24	2100	60	0.6
5	0	12	24	2200	60	0.6
5	0	12	24	2300	60	0.6
5	0	12	24	2400	60	2.0
5	0	12	25	100	60	2.0
5	0	12	25	200	60	2.6
5	0	12	25	300	60	4.0
5	0	12	25	400	60	8.4
5	1	12	25	500	60	12.0
5	0	12	25	600	60	10.0
5	0	12	25	700	60	7.8
5	0	12	25	800	60	6.4
5	0	12	25	900	60	5.3
5	0	12	25	1000	60	4.3
5	0	12	25	1100	60	3.3
5	0	12	25	1200	60	2.5
5	0	12	25	1300	60	1.9
5	0	12	25	1400	60	1.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	1	3234	3.83	0.016	0.13	0.66
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
5	0	12	25	1500	60	1.0
5	0	12	25	1600	60	0.8
5	0	12	25	1700	60	0.5
5	0	12	25	1800	60	0.3
6	0	12	26	1000	60	0.5
6	0	12	26	1100	60	1.1
6	0	12	26	1200	60	2.4
6	0	12	26	1300	60	4.0
6	0	12	26	1400	60	3.9
6	0	12	26	1500	60	3.6
6	0	12	26	1600	60	2.9
6	0	12	26	1700	60	2.5
6	0	12	26	1800	60	2.0
6	0	12	26	1900	60	1.5
6	0	12	26	2000	60	1.4
6	0	12	26	2100	60	1.1
6	0	12	26	2200	60	1.0
6	0	12	26	2300	60	0.8
6	0	12	26	2400	60	0.5
6	1	12	26	100	60	0.3

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
5	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	0	.	.	.	.	.
6	1	476	0.56	0.064	0.39	0

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
8	0	3	27	730	30	0.4
8	1	3	27	800	30	1.7
8	2	3	27	830	30	3.6
8	3	3	27	900	30	4.9
8	4	3	27	930	30	5.0
8	5	3	27	1000	30	5.0
8	6	3	27	1030	30	5.0
8	7	3	27	1100	30	5.0
8	8	3	27	1130	30	5.0
8	9	3	27	1200	30	5.0
8	10	3	27	1230	30	5.0
8	11	3	27	1300	30	5.0
8	12	3	27	1330	30	5.0
8	13	3	27	1400	30	9.4
8	14	3	27	1430	30	12.7
8	15	3	27	1500	30	13.7
8	0	3	27	1530	30	14.1
8	0	3	27	1600	30	14.6
8	0	3	27	1630	30	15.2
8	0	3	27	1700	30	16.2
8	30	3	27	1730	30	17.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
8	0	.	.	.	.	.
8	1	842	1.200	0.032	0.140	2.00
8	2	634	1.290	0.036	0.110	1.47
8	3	600	1.780	0.044	.	2.14
8	4	940	1.171	0.039	0.091	2.85
8	5	2916	3.200	0.028	0.070	1.33
8	6	4594	5.173	0.029	0.000	4.63
8	7	2442	3.000	0.016	0.250	2.38
8	8	2060	2.733	0.029	0.000	4.10
8	9	78	0.220	0.008	0.420	1.89
8	10	812	1.025	0.020	0.127	3.87
8	11	460	0.610	0.049	0.000	3.59
8	12	636	0.927	0.020	0.000	3.38
8	13	584	1.000	0.010	0.163	3.79
8	14	356	.	0.029	0.000	3.32
8	15	428	0.560	0.029	0.000	3.83
8	0	.	.	.	.	.
8	0	.	.	.	.	.
8	0	.	.	.	.	.
8	0	.	.	.	.	.
8	30	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
8	0	3	27	1800	30	17.0
8	0	3	27	1830	30	16.8
8	0	3	27	1900	30	16.4
8	0	3	27	1930	30	15.4
8	0	3	27	2000	30	15.0
8	33	3	27	2030	30	13.8
8	34	3	27	2100	30	13.4
8	35	3	27	2130	30	10.0
8	36	3	27	2200	30	9.2
8	37	3	27	2230	30	8.6
8	38	3	27	2300	30	8.2
8	39	3	27	2330	30	7.8
8	40	3	27	2400	30	7.2
8	41	3	28	30	30	6.0
8	42	3	28	100	30	5.6
8	43	3	28	130	30	5.4
8	44	3	28	200	30	5.0
8	45	3	28	230	30	4.6
8	46	3	28	300	30	4.4
8	47	3	28	330	30	4.4
8	48	3	28	400	30	4.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
8	0	.	.	.	.	.
8	0	.	.	.	.	.
8	0	.	.	.	.	.
8	0	.	.	.	.	.
8	0	.	.	.	.	.
8	33	592	0.83	0.036	0.070	2.80
8	34	258	0.39	0.020	0.000	4.13
8	35	900	1.34	0.039	0.000	4.21
8	36	738	.	0.156	1.460	4.90
8	37	692	1.51	0.049	0.022	4.50
8	38	2544	.	0.137	0.011	3.67
8	39	2028	2.88	0.029	0.000	3.39
8	40	1527	.	0.020	0.000	3.39
8	41	1274	1.61	0.010	0.000	2.02
8	42	1010	.	0.010	0.000	3.65
8	43	1020	1.17	.	.	.
8	44	940	.	0.010	0.000	2.93
8	45	805	1.03	0.029	0.008	1.52
8	46	622	.	0.010	0.019	3.82
8	47	508	0.73	0.000	.	.
8	48	624	.	0.000	0.030	2.35

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
8	49	3	28	430	30	4.0
8	50	3	28	500	30	3.8
8	51	3	28	530	30	3.7
8	52	3	28	600	30	3.6
8	53	3	28	630	30	3.4
8	54	3	28	700	30	3.4
8	55	3	28	730	30	3.3
8	56	3	28	800	30	3.3
8	57	3	28	830	30	3.2
8	0	3	28	900	30	3.2
8	0	3	28	930	30	2.8
8	61	3	28	1000	30	2.8
8	62	3	28	1030	30	2.7
8	63	3	28	1100	30	2.7
8	0	3	28	1130	30	2.6
8	0	3	28	1200	30	2.6
8	0	3	28	1230	30	2.4
8	65	3	28	1300	30	2.4
8	0	3	28	1330	30	2.5
8	0	3	28	1400	30	2.5
8	72	3	28	1430	30	2.5

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
8	49	712	0.850	0.020	0.023	3.43
8	50	572	.	0.010	0.000	3.63
8	51	508	0.780	0.000	0.042	3.72
8	52	526	.	0.000	0.057	3.67
8	53	500	0.510	0.059	0.053	1.79
8	54	438	.	0.020	0.164	1.61
8	55	523	0.560	0.000	0.154	1.26
8	56	442	.	0.068	0.159	3.37
8	57	468	0.560	0.010	0.023	2.70
8	0	.	.	.	.	.
8	0	.	.	.	.	.
8	61	450	0.490	0.000	0.000	1.91
8	62	465	.	0.010	0.000	3.64
8	63	384	0.490	0.020	0.000	4.03
8	0	.	.	.	.	.
8	0	.	.	.	.	.
8	0	.	.	.	.	.
8	65	912	.	0.010	0.000	4.02
8	0	.	.	.	.	.
8	0	.	.	.	.	.
8	72	[illegible]	.	0.029	0.000	3.80

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
8	73	3	28	1500	30	2.4
8	74	3	28	1530	30	2.3
8	0	3	28	1600	30	2.2
8	0	3	28	1630	30	1.6
9	1	4	2	1100	30	0.7
9	2	4	2	1130	30	1.4
9	3	4	2	1200	30	2.4
9	4	4	2	1230	30	3.2
9	5	4	2	1300	30	3.8
9	6	4	2	1330	30	4.1
9	7	4	2	1400	30	4.1
9	8	4	2	1430	30	4.4
9	9	4	2	1500	30	5.0
9	10	4	2	1530	30	4.8
9	11	4	2	1600	30	4.6
9	12	4	2	1630	30	4.4
9	13	4	2	1700	30	3.8
9	14	4	2	1730	30	3.2
9	15	4	2	1800	30	2.7
9	16	4	2	1630	30	2.2
9	17	4	2	1900	30	1.7

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
8	73	367	.	0.010	0.000	4.22
8	74	416	.	0.049	0.000	4.80
8	0	.	.	.	.	.
8	0	.	.	.	.	.
9	1	2398	4.690	0.024	0.210	1.75
9	2	2300	3.760	0.016	0.110	1.47
9	3	3352	4.950	0.016	0.110	1.82
9	4	8690	10.400	0.029	0.000	2.83
9	5	6072	20.700	0.036	0.210	1.86
9	6	.	.	0.059	0.000	5.05
9	7	4273	.	0.029	0.000	3.34
9	8	2090	2.590	0.000	0.000	3.26
9	9	5130	12.250	0.016	0.210	1.75
9	10	7330	7.030	0.000	0.042	3.99
9	11	1754	3.340	0.012	0.250	2.21
9	12	2300	2.762	0.000	0.000	3.48
9	13	1614	2.420	0.000	0.070	2.10
9	14	1554	1.806	0.000	0.000	3.58
9	15	1430	2.170	0.004	0.110	1.33
9	16	1378	1.513	0.000	0.000	3.98
9	17	1302	2.000	0.004	.	2.17

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
9	18	4	2	1930	30	1.3
9	19	4	2	2000	30	1.0
9	20	4	2	2030	30	0.8
9	21	4	2	2100	30	0.7
9	0	4	2	2130	30	0.4
9	0	4	2	2200	30	0.3
9	0	4	2	2230	30	0.3
9	0	4	2	2300	30	0.3
9	0	4	2	2330	30	0.3
9	0	4	2	2400	30	0.2
10	1	4	7	300	60	0.5
10	0	4	7	400	60	1.1
10	0	4	7	500	60	0.7
10	0	4	7	600	60	0.4
10	0	4	7	700	60	0.3
10	0	4	7	800	60	0.3
10	0	4	7	900	60	0.3
10	0	4	7	1000	60	0.2
10	0	4	7	1100	60	0.2
10	0	4	7	1200	60	0.2
10	0	4	7	1300	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
9	18	1276	1.464	0.029	0.000	3.47
9	19	1182	1.980	0.004	0.040	2.59
9	20	1164	1.366	0.000	0.019	4.28
9	21	1506	2.540	0.012	0.180	2.63
9	0	.	.	.	.	.
9	0	.	.	.	.	.
9	0	.	.	.	.	.
9	0	.	.	.	.	.
9	0	.	.	.	.	.
9	0	.	.	.	.	.
10	1	266	0.390	0.024	.	1.33
10	0	.	.	.	.	.
10	0	.	.	.	.	.
10	0	.	.	.	.	.
10	0	.	.	.	.	.
10	0	.	.	.	.	.
10	0	.	.	.	.	.
10	0	.	.	.	.	.
10	0	.	.	.	.	.
10	0	.	.	.	.	.
10	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
11	0	4	9	900	60	0.8
11	0	4	9	1000	60	0.7
11	0	4	9	1100	60	0.4
11	0	4	9	1200	60	0.3
11	1	4	9	1300	60	0.2
11	0	4	9	1400	60	3.0
11	0	4	9	1500	60	4.0
11	0	4	9	1600	60	3.3
11	0	4	9	1700	60	2.6
11	0	4	9	1800	60	2.0
11	0	4	9	1900	60	1.4
11	0	4	9	2000	60	1.0
11	0	4	9	2100	60	0.6
11	0	4	9	2200	60	0.4
11	0	4	9	2300	60	0.3
11	0	4	9	2400	60	0.2
12	0	4	10	1500	60	1.4
12	1	4	10	1600	60	1.7
12	0	4	10	1700	60	3.0
12	0	4	10	1800	60	3.0
12	0	4	10	1900	60	2.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	1	1116	1.39	0.008	0.25	0.07
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	0	.	.	.	.	.
11	0	.	.	.	.	.
12	0	.	.	.	.	.
12	1	1344	1.64	0.032	.	0.32
12	0	.	.	.	.	.
12	0	.	.	.	.	.
12	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
12	0	4	10	2000	60	2.0
12	0	4	10	2100	60	1.2
12	0	4	10	2200	60	0.9
12	0	4	10	2300	60	0.6
12	0	4	10	2400	60	0.4
13	0	4	13	500	60	0.2
13	0	4	13	600	60	0.4
13	0	4	13	700	60	1.8
13	0	4	13	800	60	2.7
13	0	4	13	900	60	2.4
13	0	4	13	1000	60	2.2
13	0	4	13	1100	60	1.8
13	0	4	13	1200	60	1.2
13	0	4	13	1300	60	0.8
13	0	4	13	1400	60	0.3
13	0	4	13	1500	60	0.3
13	0	4	13	1600	60	0.3
13	0	4	13	1700	60	0.2
13	0	4	13	1800	60	0.2
13	0	4	13	1900	60	0.2
13	0	4	13	2000	60	2.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
12	0	.	.	.	.	.
12	0	.	.	.	.	.
12	0	.	.	.	.	.
12	0	.	.	.	.	.
12	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
13	0	4	13	2100	60	4.2
13	0	4	13	2200	60	5.0
13	0	4	13	2300	60	5.0
13	0	4	13	2400	60	4.8
13	0	4	14	100	60	4.6
13	0	4	14	200	60	3.6
13	0	4	14	300	60	3.6
13	0	4	14	400	60	4.1
13	0	4	14	500	60	3.8
13	0	4	14	600	60	3.1
13	0	4	14	700	60	2.4
13	0	4	14	800	60	1.9
13	1	4	14	900	60	1.6
13	0	4	14	1000	60	4.6
13	0	4	14	1100	60	5.6
13	0	4	14	1200	60	4.8
13	2	4	14	1300	60	4.4
13	0	4	14	1400	60	3.2
13	0	4	14	1500	60	2.4
13	0	4	14	1600	60	1.8
13	0	4	14	1700	60	1.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	1	1222	1.61	0.016	0.14	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	2	978	1.20	0.012	0.28	0.597
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
13	0	4	14	1800	60	0.6
13	0	4	14	1900	60	0.4
13	0	4	14	2000	60	0.3
14	0	4	30	1000	60	3.2
14	0	4	30	1100	60	4.6
14	0	4	30	1200	60	6.2
14	0	4	30	1300	60	9.8
14	0	4	30	1400	60	7.6
14	0	4	30	1500	60	5.8
14	0	4	30	1600	60	4.2
14	0	4	30	1700	60	2.6
14	0	4	30	1800	60	2.0
14	0	4	30	1900	60	1.4
14	0	4	30	2000	60	0.9
14	0	4	30	2100	60	0.9
14	0	4	30	2200	60	0.9
14	0	4	30	2300	60	0.9
14	0	4	30	2400	60	0.9
14	0	5	1	100	60	0.9
14	0	5	1	200	60	0.9
14	0	5	1	300	60	0.9

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
13	0	.	.	.	.	.
13	0	.	.	.	.	.
13	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
14	0	5	1	400	60	0.9
14	0	5	1	500	60	0.9
14	0	5	1	600	60	0.9
14	0	5	1	700	60	0.9
14	0	5	1	800	60	0.9
14	0	5	1	900	60	0.9
14	0	5	1	1000	60	0.2
14	0	5	1	1100	60	0.2
14	0	5	1	1200	60	0.2
14	0	5	1	1300	60	0.2
14	0	5	1	1400	60	0.2
14	0	5	1	1500	60	0.2
14	0	5	1	1600	60	0.2
14	0	5	1	1700	60	0.2
14	0	5	1	1800	60	1.0
14	0	5	1	1900	60	7.4
14	0	5	1	2000	60	14.4
14	0	5	1	2100	60	14.6
14	0	5	1	2200	60	14.8
14	0	5	1	2300	60	11.4
14	0	5	1	2400	60	11.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.

DEFIANCE COUNTY BAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
14	0	5	2	100	60	14.2
14	0	5	2	200	60	12.0
14	0	5	2	300	60	10.6
14	0	5	2	400	60	7.4
14	0	5	2	500	60	6.0
14	0	5	2	600	60	4.6
14	0	5	2	700	60	3.2
14	0	5	2	800	60	2.4
14	0	5	2	900	60	1.8
14	0	5	2	1000	60	1.0
14	0	5	2	1100	60	0.7
14	0	5	2	1200	60	0.4
14	0	5	2	1300	60	0.6
14	1	5	2	1400	60	1.0
14	0	5	2	1500	60	0.4
15	0	5	3	1100	60	0.8
15	0	5	3	1200	60	0.9
15	0	5	3	1300	60	0.9
15	1	5	3	1400	60	1.0
15	0	5	3	1500	60	0.9
15	0	5	3	1600	60	0.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	0	.	.	.	.	.
14	1	2600	3.316	0.039	0.004	1.420
14	0	.	.	.	.	.
15	0	.	.	.	.	.
15	0	.	.	.	.	.
15	0	.	.	.	.	.
15	1	306	.	0.010	0.000	0.412
15	0	.	.	.	.	.
15	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
15	0	5	3	1700	60	0.4
15	0	5	3	1800	60	0.3
15	0	5	3	1900	60	0.2
16	0	6	27	2300	60	20.0
16	0	6	27	2400	60	16.5
16	0	6	28	100	60	16.6
16	0	6	28	200	60	10.0
16	0	6	28	300	60	8.0
16	0	6	28	400	60	7.0
16	0	6	28	500	60	6.2
16	0	6	28	600	60	6.1
16	0	6	28	700	60	5.8
16	0	6	28	800	60	6.0
16	0	6	28	900	60	6.4
16	1	6	28	1000	60	6.2
16	0	6	28	1100	60	5.9
16	0	6	28	1200	60	5.7
16	0	6	28	1300	60	5.4
16	0	6	28	1400	60	5.2
16	0	6	28	1500	60	5.0
16	0	6	28	1600	60	4.8

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
15	0	.	.	.	.	.
15	0	.	.	.	.	.
15	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	1	.	.	0.098	0	5.550
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
16	0	6	28	1700	60	4.0
16	0	6	28	1800	60	3.5
16	0	6	28	1900	60	3.2
16	0	6	28	2000	60	2.9
16	0	6	28	2100	60	2.0
16	0	6	28	2200	60	1.2
16	0	6	28	2300	60	0.4
17	1	6	30	1430	.	0.0
17	0	6	30	1800	60	11.8
17	0	6	30	1900	60	11.2
17	0	6	30	2000	60	6.8
17	0	6	30	2100	60	5.2
17	0	6	30	2200	60	4.0
17	0	6	30	2300	60	2.8
17	0	6	30	2400	60	1.8
17	0	7	1	100	60	1.3
17	0	7	1	200	60	0.3
17	0	7	1	300	60	0.1
18	0	11	15	1830	60	1.4
18	0	11	15	1930	60	1.8
18	0	11	15	2030	60	1.8

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
16	0	.	.	.	.	.
17	1	456	.	0.156	0.000	0.971
17	0	.	.	.	.	.
17	0	.	.	.	.	.
17	0	.	.	.	.	.
17	0	.	.	.	.	.
17	0	.	.	.	.	.
17	0	.	.	.	.	.
17	0	.	.	.	.	.
17	0	.	.	.	.	.
17	0	.	.	.	.	.
17	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
18	0	11	15	2130	60	1.6
18	0	11	15	2230	60	1.5
18	0	11	15	2330	60	1.4
18	0	11	16	30	60	1.3
18	0	11	16	130	60	1.2
18	0	11	16	230	60	1.2
18	0	11	16	330	60	1.1
18	0	11	16	430	60	1.0
18	0	11	16	530	60	0.6
18	0	11	16	630	60	0.2
18	0	11	16	730	60	0.1
18	1	11	16	830	60	0.1
19	0	11	19	1430	60	2.2
19	0	11	19	1530	60	2.3
19	0	11	19	1630	60	2.1
19	0	11	19	1730	60	1.9
19	0	11	19	1830	60	1.5
19	0	11	19	1930	60	1.3
19	0	11	19	2030	60	1.0
19	1	11	19	2130	60	0.9
19	0	11	19	2230	60	0.8

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	0	.	.	.	.	.
18	1	1340	3.00	0.146	0.172	2.59
19	0	.	.	.	.	.
19	0	.	.	.	.	.
19	0	.	.	.	.	.
19	0	.	.	.	.	.
19	0	.	.	.	.	.
19	0	.	.	.	.	.
19	0	.	.	.	.	.
19	1	1202	2.42	0.088	0.000	1.60
19	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
19	0	11	19	2330	60	0.8
19	0	11	20	30	60	0.7
19	0	11	20	130	60	0.6
19	0	11	20	230	60	0.5
19	0	11	20	330	60	0.5
19	0	11	20	430	60	0.4
20	0	11	20	1800	60	0.4
20	0	11	20	1900	60	0.5
20	0	11	20	2000	60	0.6
20	0	11	20	2100	60	0.6
20	0	11	20	2200	60	0.6
20	0	11	20	2300	60	0.5
20	0	11	20	2400	60	0.4
20	0	11	21	100	60	0.4
20	0	11	21	200	60	0.3
20	0	11	21	300	60	0.3
20	0	11	21	400	60	0.3
20	0	11	21	500	60	0.2
0	0	11	23	930	60	1.6
0	0	11	23	1030	60	2.1
0	0	11	23	1130	60	2.1

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
19	0	.	.	.	.	.
19	0	.	.	.	.	.
19	0	.	.	.	.	.
19	0	.	.	.	.	.
19	0	.	.	.	.	.
19	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
20	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (601) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
0	0	11	23	1230	60	1.9
0	0	11	23	1330	60	1.6
0	0	11	23	1430	60	1.4
0	0	11	23	1530	60	1.2
0	0	11	23	1630	60	0.9
0	0	11	23	1730	60	0.9
0	0	11	23	1830	60	0.9
0	0	11	23	1930	60	0.9
0	0	11	23	2030	60	0.9
0	0	11	23	2130	60	0.9
0	0	11	23	2230	60	0.9
0	0	11	23	2330	60	0.9
0	0	11	24	30	60	0.8
0	0	11	24	130	60	0.8
21	0	11	27	1700	60	2.4
21	0	11	27	1800	60	4.2
21	0	11	27	1900	60	5.6
21	0	11	27	2000	60	6.0
21	0	11	27	2100	60	6.4
21	0	11	27	2200	60	6.0
21	0	11	27	2300	60	6.5

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
21	0	11	27	2400	60	6.0
21	0	11	28	100	60	5.6
21	0	11	28	200	60	5.2
21	0	11	28	300	60	4.9
21	0	11	28	400	60	4.8
21	0	11	28	500	60	4.4
21	0	11	28	600	60	4.0
21	0	11	28	700	60	3.4
21	0	11	28	800	60	3.2
21	1	11	28	900	60	2.7
21	0	11	28	1000	60	2.4
21	0	11	28	1100	60	2.0
21	0	11	28	1200	60	1.6
21	2	11	28	1300	60	1.4
21	0	11	28	1400	60	1.0
21	0	11	28	1500	60	0.8
21	0	11	28	1600	60	0.6
21	0	11	28	1700	60	0.4
21	0	11	28	1800	60	0.3
21	0	11	28	1900	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	1	1456	1.71	0.117	0.072	0.710
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	2	1476	.	0.137	0.163	0.635
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.
21	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
23	0	4	4	1400	60	0.3
23	0	4	4	1500	60	0.7
23	0	4	4	1600	60	0.8
23	0	4	4	1700	60	0.7
23	0	4	4	1800	60	0.5
23	0	4	4	1900	60	0.4
23	0	4	4	2000	60	0.3
23	0	4	4	2100	60	0.7
23	0	4	4	2200	60	1.0
23	0	4	4	2300	60	1.2
23	0	4	4	2400	60	1.4
23	0	4	5	100	60	2.6
23	0	4	5	200	60	3.8
23	0	4	5	300	60	4.8
23	0	4	5	400	60	6.0
23	0	4	5	500	60	6.6
23	0	4	5	600	60	6.0
23	0	4	5	700	60	5.4
23	0	4	5	800	60	5.2
23	0	4	5	900	60	4.6
23	0	4	5	1000	60	4.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
23	1	4	5	1100	60	3.2
23	0	4	5	1200	60	2.2
23	0	4	5	1300	60	1.5
23	0	4	5	1400	60	1.1
23	0	4	5	1500	60	1.1
23	0	4	5	1600	60	0.8
23	0	4	5	1700	60	0.6
23	0	4	5	1800	60	0.5
23	0	4	5	1900	60	0.5
23	0	4	5	2000	60	0.4
23	0	4	5	2100	60	0.4
23	0	4	5	2200	60	0.4
23	0	4	5	2300	60	0.9
23	0	4	5	2400	60	0.8
23	0	4	5	100	60	0.8
23	0	4	6	200	60	1.0
23	0	4	6	300	60	1.2
23	0	4	6	400	60	1.2
23	0	4	6	500	60	0.6
23	0	4	6	600	60	0.5
23	0	4	6	700	60	0.5

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
23	1	1662	2.85	0.015	0.16	4.03
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
23	0	4	6	800	60	0.4
23	0	4	6	900	60	0.3
23	0	4	6	1000	60	0.3
23	0	4	6	1100	60	0.2
23	0	4	6	1200	60	0.2
24	0	4	15	1430	60	2.0
24	0	4	15	1530	60	2.1
24	0	4	15	1630	60	2.2
24	0	4	15	1730	60	2.4
24	0	4	15	1830	60	2.3
24	0	4	15	1930	60	2.2
24	0	4	15	2030	60	2.2
24	0	4	15	2130	60	2.2
24	0	4	15	2230	60	2.1
24	0	4	15	2330	60	1.6
24	0	4	16	30	60	1.2
24	0	4	16	130	60	1.2
24	0	4	16	230	60	1.0
24	0	4	16	330	60	0.8
24	0	4	16	430	60	0.7
24	0	4	16	530	60	0.5

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
23	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
24	0	4	16	630	60	0.5
24	0	4	16	730	60	0.4
24	1	4	16	830	60	1.4
24	0	4	16	930	60	2.2
24	0	4	16	1030	60	1.8
24	0	4	16	1130	60	1.4
24	0	4	16	1230	60	1.3
24	0	4	16	1330	60	1.0
24	0	4	16	1430	60	5.2
24	0	4	16	1530	60	4.0
24	0	4	16	1630	60	3.0
24	0	4	16	1730	60	2.4
24	0	4	16	1830	60	1.9
24	0	4	16	1930	60	1.3
24	0	4	16	1930	60	1.0
24	0	4	16	2130	60	0.6
24	0	4	16	2230	60	0.4
25	0	4	17	1100	60	0.6
25	1	4	17	1200	60	1.4
25	0	4	17	1300	60	2.1
25	0	4	17	1400	60	2.5

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	1	1466	2.75	0.020	0.20	4.95
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
24	0	.	.	.	.	.
25	0	.	.	.	.	.
25	1	564	3.00	0.025	0.04	2.99
25	0	.	.	.	.	.
25	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
25	0	4	17	1500	60	2.6
25	0	4	17	1600	60	2.3
25	0	4	17	1700	60	2.0
25	0	4	17	1800	60	1.7
25	0	4	17	1900	60	1.4
25	0	4	17	2000	60	1.1
25	0	4	17	2100	60	1.1
25	0	4	17	2200	60	0.8
25	0	4	17	2300	60	0.6
26	0	4	22	1030	60	2.5
26	0	4	22	1130	60	2.4
26	0	4	22	1230	60	14.2
26	0	4	22	1330	60	19.2
26	0	4	22	1430	60	13.2
26	0	4	22	1530	60	8.8
26	0	4	22	1630	60	6.8
26	0	4	22	1730	60	6.0
26	0	4	22	1830	60	7.0
26	0	4	22	1930	60	5.8
26	0	4	22	2030	60	4.4
26	0	4	22	2130	60	3.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
25	0	.	.	.	.	.
25	0	.	.	.	.	.
25	0	.	.	.	.	.
25	0	.	.	.	.	.
25	0	.	.	.	.	.
25	0	.	.	.	.	.
25	0	.	.	.	.	.
25	0	.	.	.	.	.
25	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
26	0	4	22	2230	60	2.8
26	0	4	22	2330	60	2.0
26	0	4	23	30	60	1.8
26	0	4	23	130	60	1.4
26	0	4	23	230	60	1.1
26	0	4	23	330	60	1.0
26	0	4	23	430	60	0.4
26	0	4	23	530	60	0.3
26	0	4	23	630	60	0.3
26	0	4	23	730	60	0.2
26	1	4	23	830	60	0.1
0	0	4	23	1200	60	0.3
0	0	4	23	1300	60	0.6
0	0	4	23	1400	60	1.0
0	0	4	23	1500	60	1.3
0	0	4	23	1600	60	1.7
0	0	4	23	1700	60	1.9
0	0	4	23	1800	60	1.9
0	0	4	23	1900	60	1.9
0	0	4	23	2000	60	1.9
0	0	4	23	2100	60	2.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	0	.	.	.	.	.
26	1	1454	2	0.015	0.04	1.88
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
0	0	4	23	2200	60	2.0
0	0	4	23	2300	60	1.8
0	0	4	23	2400	60	1.5
0	0	4	24	100	60	1.5
0	0	4	24	200	60	1.8
0	0	4	24	300	60	1.9
0	0	4	24	400	60	1.9
0	0	4	24	500	60	1.7
0	0	4	24	600	60	1.4
0	0	4	24	700	60	0.9
0	0	4	24	800	60	0.6
0	0	4	24	900	60	0.5
0	0	4	24	1000	60	0.4
0	0	4	24	1100	60	0.2
0	0	4	24	1200	60	0.2
0	0	4	24	1300	60	0.2
0	0	4	24	1400	60	0.2
0	0	5	26	100	60	2.0
0	0	5	26	200	60	2.6
0	0	5	26	300	60	1.7
0	0	5	26	400	60	2.5

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
0	0	5	26	500	60	2.2
0	0	5	26	600	60	1.8
0	0	5	26	700	60	1.1
0	0	5	26	800	60	0.9
0	0	5	26	900	60	0.6
0	0	5	26	1000	60	0.4
0	0	5	26	1100	60	0.3
0	0	5	26	1200	60	0.3
0	0	5	26	1300	60	0.3
0	0	5	26	1400	60	0.3
29	1	11	10	2130	60	2.8
29	2	11	10	2230	60	3.2
29	3	11	10	2330	60	3.3
29	4	11	11	30	60	3.2
29	5	11	11	130	60	6.7
29	6	11	11	230	60	9.3
29	7	11	11	330	60	11.7
29	8	11	11	430	60	11.6
29	9	11	11	530	60	9.2
29	10	11	11	630	60	8.8
29	11	11	11	730	60	9.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
29	1	2178	7.03	1.850	4.28	1.60
29	2	1095	4.50	0.540	0.45	1.91
29	3	863	3.30	0.840	1.65	1.75
29	4	3107	1.80	0.430	0.22	3.15
29	5	709	1.30	0.360	0.30	3.03
29	6	1083	1.22	0.290	0.42	3.11
29	7	600	1.02	0.280	0.10	2.60
29	8	1063	1.53	0.220	0.50	2.23
29	9	747	1.30	0.160	0.10	2.79
29	10	700	1.07	0.130	0.30	3.95
29	11	563	1.05	0.140	0.22	2.55

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
29	12	11	11	830	60	9.2
29	13	11	11	930	60	8.8
29	14	11	11	1030	60	8.2
29	15	11	11	1130	60	7.8
29	16	11	11	1230	60	7.3
29	17	11	11	1330	60	6.8
29	18	11	11	1430	60	6.3
29	19	11	11	1530	60	5.6
29	20	11	11	1630	60	5.0
29	21	11	11	1730	60	4.2
29	22	11	11	1830	60	3.4
29	23	11	11	1930	60	2.6
29	24	11	11	2030	60	2.1
29	25	11	11	2130	60	1.9
29	26	11	11	2230	60	1.5
29	27	11	11	2330	60	1.5
29	28	11	12	30	60	1.4
29	0	11	12	130	60	1.3
29	0	11	12	230	60	1.1
29	0	11	12	330	60	0.7
29	0	11	12	430	60	0.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
29	12	540	2.07	0.260	0.62	2.31
29	13	473	0.94	0.150	0.06	0.96
29	14	487	0.71	0.130	0.30	1.28
29	15	160	0.61	0.130	0.06	1.56
29	16	413	0.83	0.180	0.18	1.20
29	17	403	0.63	0.130	0.00	1.94
29	18	323	0.56	0.130	0.10	1.76
29	19	287	0.51	0.110	0.06	1.76
29	20	297	1.14	0.290	0.38	1.04
29	21	293	0.51	0.120	0.00	1.70
29	22	267	0.67	0.180	0.22	1.12
29	23	283	0.46	0.110	0.00	1.66
29	24	303	0.48	0.120	0.10	1.04
29	25	283	0.49	0.140	0.00	1.66
29	26	247	0.40	0.140	0.06	1.60
29	27	290	0.54	0.140	0.22	1.60
29	28	270	0.70	0.150	0.06	1.60
29	0	.	.	.	.	.
29	0	.	.	.	.	.
29	0	.	.	.	.	.
29	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
29	0	11	12	530	60	0.3
30	1	11	28	700	60	0.7
30	0	11	28	800	60	1.1
30	0	11	28	900	60	1.1
30	0	11	28	1000	60	1.2
30	0	11	28	1100	60	1.2
30	0	11	28	1200	60	1.0
30	0	11	28	1300	60	0.6
30	0	11	28	1400	60	0.5
30	0	11	28	1500	60	0.5
30	0	11	28	1600	60	0.4
30	0	11	28	1700	60	0.4
30	0	11	28	1800	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
29	0	.	.	.	.	.
30	1	993	1.77	0.252	0.63	11.8
30	0	.	.	.	.	.
30	0	.	.	.	.	.
30	0	.	.	.	.	.
30	0	.	.	.	.	.
30	0	.	.	.	.	.
30	0	.	.	.	.	.
30	0	.	.	.	.	.
30	0	.	.	.	.	.
30	0	.	.	.	.	.
30	0	.	.	.	.	.
30	0	.	.	.	.	.
30	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
31	1	3	28	630	60	0.2
31	2	3	28	730	60	3.2
31	4	3	28	930	120	5.0
31	6	3	28	1130	120	9.2
31	7	3	28	1230	60	7.8
31	8	3	28	1330	60	5.8
31	9	3	28	1430	60	4.4
31	10	3	28	1530	60	3.6
31	11	3	28	1630	60	3.0
31	12	3	28	1730	60	2.9
31	13	3	28	1830	60	3.9
31	14	3	28	1930	60	3.8
31	15	3	28	2030	60	16.0
31	16	3	28	2130	60	14.0
31	17	3	28	2230	60	7.0
31	18	3	28	2330	60	6.0
31	19	3	29	30	60	8.8
31	20	3	29	130	60	6.8
31	21	3	29	230	60	5.4
31	22	3	29	330	60	4.4
31	23	3	29	430	60	3.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
31	1	11770.0	12.030	0.1210	0.08	4.19
31	2	3115.0	4.369	0.0400	0.54	2.49
31	4	2460.0	3.689	0.0480	0.00	3.81
31	6	9945.0	11.760	0.0400	0.39	3.26
31	7	2563.3	3.366	0.0440	0.00	3.96
31	8	10705.0	14.160	0.0590	0.23	4.20
31	9	1470.0	1.938	0.0400	0.00	5.21
31	10	4545.0	4.369	0.0330	0.23	1.87
31	11	2860.0	2.771	0.0220	0.08	2.17
31	12	3003.3	3.060	0.0180	0.39	2.02
31	13	1966.7	2.091	0.0220	0.39	1.61
31	14	1656.7	1.683	0.0220	0.00	1.79
31	15	1550.0	1.377	0.0290	0.00	1.48
31	16	1690.0	1.666	0.0330	0.00	2.10
31	17	193.3	1.156	0.0290	0.00	2.87
31	18	1356.7	1.292	0.0480	0.08	2.17
31	19	1016.7	0.952	0.0260	0.23	1.71
31	20	876.7	0.816	0.0180	0.70	1.40
31	21	.	0.816	0.0150	0.39	2.48
31	22	.	0.714	0.0150	0.23	3.42
31	23	.	0.629	0.0150	0.08	2.79

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
31	24	3	29	530	60	3.0
31	25	3	29	630	60	2.4
32	2	3	31	200	120	6.0
32	3	3	31	300	60	7.6
32	2	3	31	200	120	6.0
32	3	3	31	300	60	7.6
32	4	3	31	400	60	8.4
32	5	3	31	500	60	13.0
32	6	3	31	600	60	14.0
32	7	3	31	700	60	10.8
32	8	3	31	800	60	8.2
32	9	3	31	900	60	6.2
32	10	3	31	1000	60	5.0
32	11	3	31	1100	60	4.2
32	12	3	31	1200	60	3.8
32	13	3	31	1300	60	3.3
32	14	3	31	1400	60	2.8
32	15	3	31	1500	60	2.4
32	16	3	31	1600	60	2.0
32	17	3	31	1700	60	1.8
32	18	3	31	1800	60	1.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
31	24	.	0.578	0.0220	0.00	2.25
31	25	.	0.633	0.0220	0.00	2.72
32	2	.	.	.	.	.
32	3	.	.	.	.	.
32	2	2355	3.315	.	0.08	0.93
32	3	14565	14.070	.	1.48	0.46
32	4	3510	4.896	.	1.63	0.16
32	5	2085	2.533	.	0.08	0.77
32	6	1620	2.108	.	0.39	0.15
32	7	1025	2.142	.	0.70	1.24
32	8	1315	1.564	.	0.23	0.16
32	9	1210	1.292	.	0.39	0.15
32	10	1015	1.088	.	0.39	0.15
32	11	855	1.190	.	0.23	0.31
32	12	810	0.935	.	0.08	1.24
32	13	1150	1.207	.	0.08	0.77
32	14	845	0.833	0.0110	0.00	0.00
32	15	695	0.680	0.0337	0.08	0.31
32	16	590	0.663	0.0000	0.00	0.54
32	17	675	1.071	0.0000	0.08	0.31
32	18	600	0.816	0.0337	0.00	0.54

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
32	19	3	31	1900	60	1.0
32	20	3	31	2000	60	0.9
32	21	3	31	2100	60	0.8
32	22	3	31	2200	60	0.7
32	23	3	31	2300	60	0.5
32	24	3	31	2400	60	0.4
32	25	4	1	100	60	0.3
32	26	4	1	200	60	0.2
33	1	4	5	1530	60	2.9
33	2	4	5	1630	60	8.4
33	3	4	5	1730	60	10.6
33	4	4	5	1830	60	9.0
33	5	4	5	1930	60	6.6
33	6	4	5	2030	60	5.0
33	7	4	5	2130	60	3.6
33	8	4	5	2230	60	2.8
33	9	4	5	2330	60	2.2
33	10	4	6	30	60	1.8
33	11	4	6	130	60	1.0
33	12	4	6	230	60	0.9
33	13	4	6	330	60	0.9

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
32	19	575	0.935	0.0000	0.00	0.70
32	20	525	0.799	0.0337	0.08	0.62
32	21	720	0.799	0.0073	0.00	0.54
32	22	560	0.629	0.0000	0.08	0.00
32	23	515	0.612	0.0337	0.08	0.31
32	24	500	0.476	0.0337	0.00	0.54
32	25	465	0.595	0.0000	0.00	1.17
32	26	420	0.663	0.0000	0.00	0.39
33	1	26990	14.360	0.1540	0.00	3.11
33	2	13850	6.670	0.0880	0.00	1.56
33	3	30020	14.570	0.0660	0.78	0.31
33	4	5795	4.870	0.0110	0.00	0.62
33	5	3565	2.620	0.0370	0.00	0.93
33	6	2295	2.260	0.0260	0.00	0.16
33	7	1980	2.600	0.0110	0.00	0.31
33	8	2115	3.620	0.0400	0.00	0.00
33	9	2730	1.970	0.0040	0.00	0.00
33	10	1665	1.560	0.0040	0.00	0.00
33	11	1070	1.310	0.0000	0.00	0.00
33	12	1150	1.050	0.0000	0.00	0.00
33	13	945	1.160	0.0000	0.00	0.93

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BALDWIN (801) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
33	14	4	6	430	60	0.9
33	15	4	6	530	60	0.9
33	16	4	6	630	60	0.8
33	17	4	6	730	60	0.8
33	18	4	6	830	60	0.8
33	19	4	6	930	60	0.7
33	20	4	6	1030	60	0.7
33	21	4	6	1130	60	0.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
33	14	815	0.96	0.004	0.00	0.00
33	15	890	0.94	0.011	0.00	0.00
33	16	760	0.88	0.015	0.00	0.00
33	17	740	0.74	0.004	0.00	0.00
33	18	895	1.16	0.016	0.00	1.09
33	19	760	0.91	0.015	0.00	0.00
33	20	1120	0.95	0.213	0.47	0.31
33	21	.	1.07	0.026	0.62	0.31

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	19	1700	60	3.8
.	.	3	19	1800	60	3.4
.	.	3	19	1900	60	3.0
.	.	3	19	2000	60	3.4
.	.	3	19	2100	60	3.6
.	.	3	19	2200	60	3.4
.	.	3	19	2300	60	3.1
.	.	3	19	2400	60	3.8
.	.	3	20	100	60	4.4
.	.	3	20	200	60	5.2
.	.	3	20	300	60	4.6
.	.	3	20	400	60	4.0
.	.	3	20	500	60	3.4
.	.	3	20	600	60	3.2
.	.	3	20	700	60	3.6
.	.	3	20	800	60	3.2
.	.	3	20	900	60	2.6
.	.	3	20	1000	60	2.1
.	.	3	20	1100	60	2.0
.	.	3	20	1200	60	2.0
.	.	3	20	1300	60	1.8

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY FAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	20	1400	60	1.6
.	.	3	20	1500	60	1.5
.	.	3	20	1600	60	1.4
.	.	3	20	1700	60	1.3
.	.	3	20	1800	60	1.2
.	.	3	20	1900	60	1.2
.	.	3	20	2000	60	1.2
.	.	3	20	2100	60	1.1
.	.	3	20	2200	60	1.1
.	.	3	20	2300	60	1.0
.	.	3	20	2400	60	0.9
.	.	3	21	100	60	0.9
.	.	3	21	200	60	0.9
.	.	3	21	300	60	0.8
.	.	3	21	400	60	0.8
.	.	3	21	500	60	0.8
.	.	3	21	600	60	0.8
.	.	3	21	700	60	0.8
.	.	3	21	800	60	0.8
.	.	3	21	900	60	0.7
.	.	3	21	1000	60	0.7

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	21	1100	60	0.6
.	.	3	21	1200	60	0.5
.	.	3	21	1300	60	0.4
.	.	3	21	1400	60	0.3
.	.	3	21	1500	60	0.3
.	.	3	21	1600	60	0.3
.	.	3	21	1700	60	0.3
.	.	3	21	1800	60	0.3
.	.	3	21	1900	60	0.2
.	.	3	25	1100	60	0.4
.	.	3	25	1200	60	0.9
.	.	3	25	1300	60	1.4
.	.	3	25	1400	60	2.4
.	.	3	25	1500	60	3.1
.	.	3	25	1600	60	3.1
.	.	3	25	1700	60	3.2
.	.	3	25	1800	60	3.0
.	.	3	25	1900	60	2.6
.	.	3	25	2000	60	1.7
.	.	3	30	2000	60	7.2
.	.	3	30	2100	60	9.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	30	2200	60	7.8
.	.	3	30	2300	60	5.2
.	.	3	30	2400	60	3.8
.	.	3	31	100	60	2.8
.	.	3	31	200	60	1.6
.	.	3	31	300	60	1.4
.	.	3	31	400	60	1.2
.	.	3	31	500	60	1.0
.	.	3	31	600	60	1.0
.	.	3	31	700	60	1.0
.	.	3	31	800	60	1.0
.	.	3	31	900	60	1.0
.	.	3	31	1000	60	1.0
.	.	3	31	1100	60	1.0
.	.	3	31	1200	60	1.0
.	.	3	31	1300	60	1.0
.	.	3	31	1400	60	1.0
.	.	3	31	1500	60	0.9
.	.	3	31	1600	60	0.9
.	.	3	31	1700	60	0.9
.	.	3	31	1800	60	0.8

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	31	1900	60	0.8
.	.	3	31	2000	60	0.7
.	.	3	31	2100	60	0.7
.	.	3	31	2200	60	0.7
.	.	3	31	2300	60	0.6
.	.	3	31	2400	60	0.6
.	.	4	1	100	60	0.6
.	.	4	1	200	60	0.5
.	.	4	1	300	60	0.5
.	.	4	1	400	60	0.4
.	.	4	1	500	60	0.4
.	.	4	1	600	60	0.3
.	.	4	1	700	60	0.3
.	.	4	1	800	60	0.3
.	.	4	1	900	60	0.3
.	.	4	1	1000	60	0.3
.	.	4	1	1100	60	0.3
.	.	4	1	1200	60	0.3
.	.	4	1	1300	60	0.3
.	.	4	1	1400	60	0.3
.	.	4	1	1500	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	1	1600	60	0.2
.	.	4	1	1700	60	0.2
.	.	4	11	2230	60	0.2
.	.	4	11	2330	60	0.7
.	.	4	12	30	60	0.7
.	.	4	12	130	60	1.0
.	.	4	12	230	60	1.0
.	.	4	12	330	60	1.2
.	.	4	12	430	60	1.8
.	.	4	12	530	60	1.8
.	.	4	12	630	60	1.6
.	.	4	12	730	60	1.4
.	.	4	12	830	60	1.4
.	.	4	12	930	60	1.3
.	.	4	12	1030	60	1.3
.	.	4	12	1130	60	1.3
.	.	4	12	1230	60	1.2
.	.	4	12	1330	60	1.2
.	.	4	12	1430	60	1.1
.	.	4	12	1530	60	0.8
.	.	4	12	1630	60	2.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	12	1730	60	5.0
.	.	4	12	1830	60	7.0
.	.	4	12	1930	60	7.6
.	.	4	12	2030	60	7.2
.	.	4	12	2130	60	6.4
.	.	4	12	2230	60	5.2
.	.	4	12	2330	60	4.4
.	.	4	13	30	60	3.4
.	.	4	13	130	60	2.6
.	.	4	13	230	60	2.2
.	.	4	13	330	60	1.8
.	.	4	13	430	60	1.6
.	.	4	13	530	60	1.4
.	.	4	13	630	60	1.2
.	.	4	13	730	60	1.0
.	.	4	13	830	60	0.9
.	.	4	13	930	60	0.9
.	.	4	13	1030	60	0.8
.	.	4	13	1130	60	0.8
.	.	4	13	1230	60	0.7
.	.	4	13	1330	60	0.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	13	1430	60	0.60
.	.	4	13	1530	60	0.60
.	.	4	13	1630	60	0.60
.	.	4	13	1730	60	0.50
.	.	4	13	1830	60	0.40
.	.	4	13	1930	60	0.30
.	.	4	16	1800	60	0.60
.	.	4	16	1900	60	0.60
.	.	4	16	2000	60	0.50
.	.	4	16	2100	60	0.40
.	.	4	16	2200	60	0.40
.	.	4	16	2300	60	0.30
.	.	4	16	2400	60	3.80
.	.	4	17	100	60	5.80
.	.	4	17	200	60	7.80
.	.	4	17	300	60	6.20
.	.	4	17	400	60	4.40
.	.	4	17	500	60	3.00
.	.	4	17	600	60	2.00
.	.	4	17	700	60	1.50
.	.	4	17	800	60	1.20

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	17	900	60	1.10
.	.	4	17	1000	60	1.10
.	.	4	17	1100	60	1.00
.	.	4	17	1200	60	0.60
.	.	4	17	1300	60	0.50
.	.	4	17	1400	60	0.50
.	.	4	17	1500	60	0.50
.	.	4	17	1600	60	0.40
.	.	4	17	1700	60	0.20
1	1	5	27	1315	210	0.20
2	1	11	23	1600	30	0.10
2	2	11	24	1030	30	0.10
3	1	11	29	1500	30	1.00
3	2	11	30	1430	30	1.00
4	1	12	3	1930	480	2.50
4	2	12	4	300	360	2.00
4	3	12	6	200	120	0.90
5	1	12	25	1225	180	13.00
5	2	12	26	1225	480	0.85
6	1	12	27	855	120	1.90

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
1	1	3334	0.32	0.066	0.07	7.73
2	1	136	0.22	0.039	0.20	2.83
2	2	102	0.12	0.032	0.00	2.47
3	1	26	0.32	0.036	0.07	3.62
3	2	268	0.17	0.039	0.00	3.59
4	1	426	0.24	2.240	0.13	0.72
4	2	412	0.46	0.092	0.13	0.00
4	3	216	0.17	0.026	0.26	0.00
5	1	2950	3.46	0.104	0.26	0.79
5	2	800	0.73	0.020	0.07	0.49
6	1	734	0.83	0.044	0.33	0.33

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
7	1	3	17	1625	30	0.10
8	19	3	21	225	240	2.90
8	26	3	21	445	160	3.40
8	33	3	21	305	240	3.00
8	39	3	21	505	160	3.00
9	1	3	27	335	20	1.00
9	2	3	27	355	20	1.05
9	3	3	27	415	20	1.20
9	5	3	27	455	20	1.40
9	7	3	27	635	20	1.60
9	9	3	27	715	20	1.65
9	10	3	27	735	20	1.70
9	13	3	27	835	20	1.80
9	14	3	27	855	20	1.90
9	17	3	27	955	20	2.20
9	21	3	27	1115	20	3.50
9	25	3	27	1235	20	7.30
9	29	3	27	1355	20	9.30
9	31	3	27	1435	20	8.20
11	1	4	6	335	20	1.10
11	2	4	6	355	20	1.05

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
7	1	964	1.120	0.052	0.000	0.650
8	19	388	0.630	0.012	0.140	0.560
8	26	.	0.510	0.332	0.210	0.250
8	33	8	0.220	0.100	0.000	0.630
8	39	12	0.240	0.100	0.110	0.420
9	1	98	0.220	0.012	0.000	0.600
9	2	108	0.240	0.004	0.000	1.160
9	3	82	0.320	0.004	0.140	0.700
9	5	110	0.240	0.008	0.070	0.630
9	7	112	0.170	0.004	0.140	0.260
9	9	98	0.270	0.000	0.140	0.210
9	10	122	0.240	0.012	0.000	0.530
9	13	130	0.200	0.004	0.040	0.450
9	14	118	0.170	0.008	0.070	0.670
9	17	148	0.200	0.012	0.000	0.670
9	21	370	0.440	0.012	0.040	1.300
9	25	1428	1.680	0.004	0.040	0.350
9	29	798	1.240	0.004	0.070	0.840
9	31	1136	2.000	0.008	0.250	0.910
11	1	490	0.610	0.004	0.140	0.180
11	2	446	0.610	0.004	0.320	0.210

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
11	3	4	6	415	20	1.01
11	7	4	6	535	20	1.90
11	15	4	6	815	20	1.45
11	23	4	6	1055	20	1.10
11	29	4	6	1255	20	1.70
13	5	4	13	550	240	2.80
13	13	4	13	830	180	4.00
13	17	4	13	950	180	2.00
13	23	4	13	1150	240	1.40
13	39	4	13	1710	180	4.40
14	43	5	1	1030	.	0.40
15	2	.	.	.	.	.
15	5	.	.	.	.	.
15	8	.	.	.	.	.
15	11	.	.	.	.	.
15	14	.	.	.	.	.
15	18	.	.	.	.	.
16	1	5	3	930	105	1.50
16	6	5	3	1200	210	3.70
16	15	5	3	1630	270	1.90
16	24	5	3	2100	180	1.40

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
11	3	426	0.610	0.00	0.250	0.140
11	7	632	0.880	0.00	0.180	0.770
11	15	468	0.560	0.00	0.110	0.210
11	23	408	0.342	0.00	0.180	0.140
11	29	422	0.244	0.00	0.070	0.070
13	5	3254	0.660	0.01	0.140	0.000
13	13	4730	18.620	0.01	.	.
13	17	1730	2.030	0.00	0.140	0.000
13	23	1492	1.610	0.00	0.045	0.318
13	39	4658	5.320	0.03	0.000	0.900
14	43	.	1.074	0.16	0.125	1.200
15	2	993	7.418	0.03	0.039	3.900
15	5	2656	5.075	0.03	0.000	3.590
15	8	1712	4.880	0.10	0.000	3.310
15	11	1914	43.188	0.03	0.000	2.120
15	14	1628	2.679	0.02	0.000	2.330
15	18	.	.	.	.	.
16	1	1106	6.393	0.03	0.019	0.815
16	6	1304	4.631	0.04	0.000	1.190
16	15	474	4.636	0.02	0.000	0.888
16	24	446	4.246	0.02	0.144	0.090

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
16	27	5	3	2230	75	1.1
16	32	5	3	2330	660	1.0
17	1	.	.	.	.	.
17	11	.	.	.	.	.
17	25	.	.	.	.	.
18	1	6	27	1930	75	1.0
18	3	6	27	2130	60	13.0
18	5	6	27	2400	90	11.4
18	9	6	28	430	150	4.8
18	14	6	28	700	150	3.0
18	29	6	28	1430	420	2.8
18	42	6	28	2100	1305	.
19	1	6	30	.	.	.
19	2	6	30	.	.	.
20	1	7	2	200	30	0.9
20	2	7	2	230	45	1.1
20	4	7	2	330	45	1.1
20	5	7	2	400	45	1.0
20	6	7	2	430	45	0.9
20	7	7	2	500	255	0.9
20	23	7	2	1300	255	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
16	27	.	4.343	0.01	0.000	0.091
16	32	404	3.758	0.01	0.053	0.045
17	1	328	0.732	0.06	4.770	0.242
17	11	.	.	.	0.000	0.079
17	25	.	.	.	0.299	0.045
18	1	3424	3.660	0.05	1.220	0.046
18	3	2496	2.586	0.02	0.476	0.182
18	5	1888	2.050	0.29	0.662	3.880
18	9	1018	0.976	0.08	0.000	2.800
18	14	14360	6.051	0.07	0.000	4.710
18	29	10876	7.320	0.07	0.000	3.300
18	42	562	0.488	0.10	0.034	0.204
19	1	6348	6.051	0.05	0.000	0.896
19	2	16524	8.394	0.05	0.000	0.072
20	1	1310	1.318	0.06	0.057	0.400
20	2	1268	1.074	0.03	0.000	0.079
20	4	842	0.976	0.03	0.087	0.189
20	5	746	0.878	0.02	0.000	0.004
20	6	626	0.718	0.03	0.000	0.000
20	7	498	0.586	0.02	0.011	0.000
20	23	492	0.588	0.10	0.079	6.900

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BETHEL (901) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
21	1	9	6	.	.	.
21	2	9	6	.	.	.
22	4	10	22	900	255	4.8
22	12	10	22	1300	240	5.4
22	20	10	22	1700	240	4.0
22	28	10	22	2100	240	2.6
22	36	10	23	100	240	1.8
22	44	10	23	500	150	1.4
22	46	10	23	700	420	1.3
23	3	11	2	1500	105	4.6
23	7	11	2	1700	105	4.0
23	10	11	2	1830	105	3.4
23	14	11	2	2030	135	2.2
23	19	11	2	2300	120	1.4
23	23	11	3	30	450	1.2
24	2	11	10	1900	75	1.2
24	3	11	10	2030	75	2.6
24	4	11	10	2130	45	2.4
24	5	11	10	2200	45	3.0
24	6	11	10	2300	45	4.4
24	7	11	10	2330	750	4.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
21	1	5978	9.200	0.03	0.000	0.142
21	2	4038	2.725	0.03	0.069	0.068
22	4	.	.	0.03	.	.
22	12	690	0.425	0.15	1.130	6.050
22	20	212	0.294	0.05	0.286	1.790
22	28	164	0.106	0.05	2.500	2.530
22	36	44	0.694	0.03	0.203	4.070
22	44	20	.	1088.00	.	.
22	46	.	.	.	0.361	5.350
23	3	1442	0.906	0.03	0.248	0.197
23	7	766	0.781	0.01	0.339	1.740
23	10	670	0.519	0.03	0.462	10.900
23	14	474	3.025	0.03	0.165	0.517
23	19	774	0.200	0.10	0.603	6.500
23	23	148	0.188	0.04	0.414	13.600
24	2	184	0.200	0.02	0.069	10.700
24	3	156	0.044	0.02	0.119	9.430
24	4	102	0.200	0.04	0.074	10.400
24	5	232	0.650	0.03	0.021	4.890
24	6	182	0.331	0.09	0.195	22.200
24	7	132	0.306	0.04	0.097	22.100

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETRNEL (901) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
25	4	11	15	1400	240	5.8
25	12	11	15	1800	225	8.4
25	19	11	15	2130	300	7.0
25	32	11	16	400	315	3.8
25	40	11	16	800	180	2.0
25	44	11	16	1000	750	1.4
26	2	11	19	600	90	4.6
26	4	11	19	700	60	6.4
26	6	11	19	800	105	8.6
26	11	11	19	1030	150	5.6
26	16	11	19	1300	270	4.0
26	29	11	19	1930	210	0.8
26	30	11	19	2000	195	0.8
27	2	11	20	230	60	0.6
27	5	11	20	430	75	2.0
27	6	11	20	530	60	2.0
27	13	11	20	630	60	2.0
27	15	11	20	730	90	1.6
27	19	11	20	930	75	0.6
27	20	11	20	1000	120	0.4
27	27	11	20	1330	135	2.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
25	4	2722	3.256	0.076	1.900	5.470
25	12	3108	3.200	0.029	0.131	9.600
25	19	1866	2.481	0.029	0.101	11.000
25	32	29578	50.188	0.098	0.000	14.000
25	40	218	0.168	0.039	0.025	11.000
25	44	244	0.250	0.088	.	.
26	2	4844	6.938	0.049	0.169	9.970
26	4	3514	6.660	0.264	0.130	7.070
26	6	4594	1.380	0.165	0.420	4.580
26	11	3544	3.719	0.029	0.017	5.990
26	16	3216	4.225	0.000	0.070	7.530
26	29	996	1.100	0.078	0.076	5.480
26	30	980	0.981	0.107	0.068	6.880
27	2	812	0.625	0.049	0.552	9.550
27	5	727	0.744	0.029	0.242	8.280
27	6	700	1.350	0.127	0.816	14.800
27	13	1034	1.161	0.029	0.008	11.100
27	15	830	0.900	0.019	0.098	19.200
27	19	740	1.094	0.049	0.030	2.760
27	20	532	0.663	0.078	0.000	6.260
27	27	1154	1.301	0.039	0.000	20.300

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BETHMEL (901) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
27	29	11	20	1430	90	2.0
27	31	11	20	1530	75	1.8
27	32	11	20	1600	90	1.4
27	37	11	20	1830	570	0.5
28	1	11	23	700	150	2.4
28	9	11	23	1200	240	4.8
28	17	11	23	1600	240	3.4
28	25	11	23	2000	240	1.2
28	33	11	23	2400	195	2.4
28	43	11	24	200	465	1.0
29	1	.	.	.	.	.
30	1	12	5	900	210	0.9
30	9	12	5	1200	210	1.9
30	21	12	5	1600	120	1.8
30	30	12	5	1900	105	1.3
30	31	12	5	1930	195	1.3
30	41	12	5	2300	210	0.3
30	50	12	6	230	465	0.9

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
27	29	806	1.394	0.166	2.120	14.900
27	31	620	1.013	0.059	0.113	12.100
27	32	126	0.575	0.049	0.008	18.400
27	37	510	0.600	0.066	0.059	14.500
28	1	1440	3.330	0.400	8.850	0.514
28	9	142	2.800	0.078	.	.
28	17	.	6.250	0.068	.	.
28	25	1212	4.850	0.068	0.045	12.200
28	33	472	2.600	0.107	0.491	3.160
28	43	494	1.569	0.644	9.370	2.990
29	1	314	.	.	.	.
30	1	304	5.300	0.361	1.930	14.800
30	9	346	2.013	0.068	0.053	10.100
30	21	246	3.140	0.078	0.068	8.300
30	30	.	2.963	0.078	0.096	11.000
30	31	2172	.	.	.	.
30	41	2446	3.378	0.107	1.040	11.700
30	50	2222	0.368	0.273	3.480	11.400

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHELL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
31	0	4	4	900	60	2.4
31	0	4	4	1000	60	1.6
31	0	4	4	1100	60	1.1
31	0	4	4	1200	60	0.9
31	0	4	4	1300	60	0.8
31	0	4	4	1400	60	0.8
31	0	4	4	1500	60	2.0
31	0	4	4	1600	60	2.2
31	0	4	4	1700	60	2.6
31	0	4	4	1800	60	2.8
31	0	4	4	1900	60	4.0
31	0	4	4	2000	60	5.0
31	0	4	4	2100	60	5.2
31	0	4	4	2200	60	4.7
31	0	4	4	2300	60	4.6
31	0	4	4	2400	60	4.3
31	0	4	5	100	60	4.5
31	0	4	5	200	60	4.5
31	0	4	5	300	60	4.3
31	1	4	5	400	60	3.8
31	0	4	5	500	60	3.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	1	3514	3.725	0.01	0.12	12.4
31	0	.	.	.	.	.

DEFIANCE COUNTY FAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETRNEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
31	0	4	5	600	60	2.2
31	0	4	5	700	60	1.4
31	0	4	5	800	60	0.7
31	0	4	5	900	60	0.6
31	0	4	5	1000	60	0.6
31	0	4	5	1100	60	0.6
31	0	4	5	1200	60	0.6
31	0	4	5	1300	60	0.6
31	0	4	5	1400	60	0.6
31	0	4	5	1500	60	0.6
31	0	4	5	1600	60	1.2
31	0	4	5	1700	60	1.8
31	0	4	5	1800	60	3.0
31	0	4	5	1900	60	3.0
31	0	4	5	2000	60	2.2
31	0	4	5	2100	60	2.2
31	0	4	5	2200	60	3.1
31	0	4	5	2300	60	3.0
31	0	4	5	2400	60	2.4
31	0	4	6	100	60	1.6
31	0	4	6	200	60	1.3

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
31	0	4	6	300	60	1.0
31	0	4	6	400	60	1.0
31	0	4	6	500	60	0.9
31	0	4	6	600	60	0.9
31	0	4	6	700	60	0.8
31	0	4	6	800	60	0.8
31	0	4	6	900	60	0.7
31	0	4	6	1000	60	0.7
31	0	4	6	1100	60	0.7
31	0	4	6	1200	60	0.7
31	0	4	6	1300	60	0.7
31	0	4	6	1400	60	0.7
31	0	4	6	1500	60	0.7
31	0	4	6	1600	60	0.7
31	0	4	6	1700	60	0.7
31	0	4	6	1800	60	0.7
31	0	4	6	1900	60	0.7
31	0	4	6	2000	60	0.7
31	0	4	6	2100	60	0.6
32	0	4	15	1300	60	3.0
32	0	4	15	1400	60	2.8

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
31	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
32	0	4	15	1500	60	4.2
32	0	4	15	1600	60	5.0
32	0	4	15	1700	60	3.8
32	0	4	15	1800	60	2.7
32	0	4	15	1900	60	3.6
32	0	4	15	2000	60	3.8
32	0	4	15	2100	60	3.4
32	0	4	15	2200	60	2.7
32	0	4	15	2300	60	2.5
32	0	4	15	2400	60	2.2
32	0	4	16	100	60	1.9
32	0	4	16	200	60	1.9
32	0	4	16	300	60	1.8
32	0	4	16	400	60	1.7
32	0	4	16	500	60	1.6
32	0	4	16	600	60	1.6
32	0	4	16	700	60	2.2
32	1	4	16	800	60	4.4
32	0	4	16	900	60	2.2
32	0	4	16	1000	60	1.2
32	0	4	16	1100	60	1.1

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	1	1324	3.350	0.015	0.12	11.9
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETENEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
32	0	4	16	1200	60	1.1
32	0	4	16	1300	60	1.0
32	0	4	16	1400	60	1.7
32	0	4	16	1500	60	2.4
32	0	4	16	1600	60	1.6
32	0	4	16	1700	60	1.2
32	0	4	16	1800	60	0.9
32	0	4	16	1900	60	0.5
32	0	4	16	2000	60	0.5
32	0	4	16	2100	60	0.5
33	1	4	17	1300	60	3.8
33	0	4	17	1400	60	5.2
33	0	4	17	1500	60	5.2
33	0	4	17	1600	60	4.4
33	0	4	17	1700	60	3.0
33	0	4	17	1800	60	2.4
33	0	4	17	1900	60	1.9
33	0	4	17	2000	60	1.6
33	0	4	17	2100	60	1.6
33	0	4	17	2200	60	1.6
33	0	4	17	2300	60	1.5

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
32	0	.	.	.	.	.
33	1	2924	3.225	0.01	0.2	12.7
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.

DEFIANCE COUNTY FAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETEMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
33	0	4	17	2400	60	1.5
33	0	4	18	100	60	1.3
33	0	4	18	200	60	1.1
33	0	4	18	300	60	1.0
33	0	4	18	400	60	0.9
33	0	4	18	500	60	0.9
33	0	4	18	600	60	0.9
33	0	4	18	700	60	0.9
33	0	4	18	800	60	1.0
33	0	4	18	900	60	1.0
33	0	4	18	1000	60	1.0
33	0	4	18	1100	60	1.0
33	0	4	18	1200	60	1.0
33	0	4	18	1300	60	0.9
33	0	4	18	1400	60	0.8
33	0	4	18	1500	60	0.7
33	0	4	18	1600	60	0.7
33	0	4	18	1700	60	0.6
33	0	4	18	1800	60	0.5
33	0	4	18	1900	60	0.5
33	0	4	18	2000	60	0.5

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.

DEFIANCE COUNTY FAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BETHNEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
33	0	4	16	2100	60	0.4
33	0	4	16	2200	60	0.4
33	0	4	16	2300	60	0.4
34	0	4	22	800	60	3.0
34	0	4	22	900	60	8.2
34	0	4	22	1000	60	6.2
34	0	4	22	1100	60	9.0
34	0	4	22	1200	60	15.4
34	0	4	22	1300	60	11.2
34	0	4	22	1400	60	12.2
34	0	4	22	1500	60	15.4
34	0	4	22	1600	60	9.4
34	0	4	22	1700	60	6.4
34	0	4	22	1800	60	4.2
34	0	4	22	1900	60	2.6
34	0	4	22	2000	60	1.4
34	0	4	22	2100	60	1.2
34	0	4	22	2200	60	1.2
34	0	4	22	2300	60	1.2
34	0	4	22	2400	60	1.2
34	0	4	23	100	60	1.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
33	0	.	.	.	.	.
33	0	.	.	.	.	.
33	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
34	0	4	23	200	60	1.2
34	0	4	23	300	60	1.2
34	0	4	23	400	60	1.2
34	0	4	23	500	60	1.2
34	0	4	23	600	60	1.2
34	0	4	23	700	60	1.2
34	1	4	23	800	60	1.2
.	.	4	23	1030	60	1.0
0	0	4	23	1130	60	3.2
0	0	4	23	1230	60	2.0
0	0	4	23	1330	60	3.4
0	0	4	23	1430	60	3.5
0	0	4	23	1530	60	4.2
0	0	4	23	1630	60	3.8
0	0	4	23	1730	60	3.4
0	0	4	23	1830	60	3.3
0	0	4	23	1930	60	3.2
0	0	4	23	2030	60	3.5
0	0	4	23	2130	60	2.8
0	0	4	23	2230	60	2.0
0	0	4	23	2330	60	1.9

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	0	.	.	.	.	.
34	1	1690	1.65	0.01	0.36	10.7
.	.	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
0	0	4	24	30	60	2.0
0	0	4	24	130	60	3.0
0	0	4	24	230	60	3.4
0	0	4	24	330	60	3.0
0	0	4	24	430	60	2.1
0	0	4	24	530	60	1.8
0	0	4	24	630	60	1.7
0	0	4	24	730	60	1.6
0	0	4	24	830	60	1.5
0	0	4	24	930	60	1.5
0	0	4	24	1030	60	1.3
0	0	4	24	1130	60	1.2
0	0	4	24	1230	60	1.2
0	0	4	24	1330	60	1.1
0	0	4	24	1430	60	1.0
0	0	4	24	1530	60	0.8
0	0	4	24	1630	60	0.8
0	0	4	24	1730	60	0.8
0	0	4	24	1830	60	0.8
0	0	4	24	1930	60	0.8
0	0	4	24	2030	60	0.7

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
0	0	4	24	2130	60	0.7
0	0	4	24	2230	60	0.6
0	0	4	24	2330	60	0.5
0	0	4	25	30	60	0.5
0	0	4	25	130	60	0.5
0	0	4	25	230	60	0.4
0	0	4	25	330	60	0.4
0	0	4	25	430	60	0.4
0	0	4	25	530	60	0.3
0	0	4	27	630	60	5.8
0	0	4	27	730	60	5.4
0	0	4	27	830	60	2.6
0	0	4	27	930	60	2.0
0	0	4	27	1030	60	1.8
0	0	4	27	1130	60	1.6
0	0	4	27	1230	60	1.5
0	0	4	27	1330	60	1.2
0	0	4	27	1430	60	0.2
35	0	5	20	1100	60	4.4
35	1	5	20	1200	60	4.4
35	2	5	20	1300	60	4.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
0	0	.	.	.	.	.
35	0	.	.	.	.	.
35	1	4863	7.125	0.335	0.00	7.54
35	2	34870	25.000	0.125	0.00	8.70

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
35	3	5	20	1400	60	4.6
35	4	5	20	1500	60	5.8
35	5	5	20	1600	60	4.0
35	6	5	20	1700	60	2.0
35	7	5	20	1800	60	1.2
35	8	5	20	1900	60	0.8
35	0	5	20	2000	60	0.6
35	0	5	20	2100	60	0.6
36	0	5	21	1800	60	4.6
36	1	5	21	1900	60	2.0
36	2	5	21	2000	60	1.1
36	3	5	21	2100	60	0.8
36	0	5	21	2200	60	0.6
36	0	5	21	2300	60	0.6
36	0	5	21	2400	60	0.5
37	0	5	22	2300	60	8.2
37	0	5	22	2400	60	7.4
37	0	5	23	100	60	5.4
37	1	5	23	200	60	3.6
37	2	5	23	300	60	2.8
37	3	5	23	400	60	2.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
35	3	16690	30.875	0.1150	0.12	11.30
35	4	86640	134.630	0.0700	0.20	6.14
35	5	290370	0.880	60.0000	20.00	0.51
35	6	150220	57.000	0.1000	0.32	11.60
35	7	18580	23.000	0.2200	0.12	24.10
35	8	95800	36.250	0.1850	0.20	14.80
35	0	.	.	.	.	.
35	0	.	.	.	.	.
36	0	.	.	.	.	.
36	1	45550	68.250	0.1000	0.24	15.30
36	2	39540	55.750	0.1200	0.04	20.70
36	3	84460	118.510	0.1300	0.16	17.80
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
37	0	.	.	.	.	.
37	0	.	.	.	.	.
37	0	.	.	.	.	.
37	1	34300	63.360	0.1250	0.28	9.77
37	2	13460	18.880	0.0800	0.28	14.40
37	3	7100	10.630	0.1350	0.20	16.40

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
37	4	5	23	500	60	1.6
37	5	5	23	600	60	1.3
37	0	5	23	700	60	1.1
37	0	5	23	800	60	0.9
37	0	5	23	900	60	0.9
37	0	5	23	1000	60	0.8
38	0	5	25	2330	60	7.0
38	1	5	26	30	60	9.4
38	2	5	26	130	60	5.8
38	3	5	26	230	60	6.2
38	4	5	26	330	60	3.6
38	5	5	26	430	60	2.1
38	6	5	26	530	60	1.2
38	0	5	26	630	60	0.6
38	0	5	26	730	60	0.4
38	0	5	26	830	60	0.3
39	1	5	28	1500	60	7.6
39	2	5	28	1600	60	4.0
39	0	5	28	1700	60	2.0
39	0	5	28	1800	60	1.1
39	6	5	28	1900	60	0.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
37	4	25540.0	28.2500	0.0900	0.68	23.90
37	5	31860.0	55.0000	0.0250	0.00	25.90
37	0	.	.	.	.	.
37	0	.	.	.	.	.
37	0	.	.	.	.	.
37	0	.	.	.	.	.
38	0	.	.	.	.	.
38	1	47180.0	15.8500	0.0600	0.00	9.50
38	2	24390.0	15.6300	0.0750	0.16	11.40
38	3	16680.0	18.0000	0.0350	0.24	10.30
38	4	10290.0	12.3750	0.0350	0.00	12.60
38	5	9240.0	11.6300	0.0400	0.08	11.50
38	6	61540.0	27.0000	0.0850	0.20	23.40
38	0	.	.	.	.	.
38	0	.	.	.	.	.
38	0	.	.	.	.	.
39	1	5800.0	34.5000	0.0600	0.00	2.95
39	2	20615.0	25.2800	0.0450	0.24	10.80
39	0	.	.	.	.	.
39	0	.	.	.	.	.
39	6	54250.0	60.3000	0.0150	0.04	19.40

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
39	7	5	28	2000	60	0.6
39	0	5	28	2100	60	0.6
39	0	5	28	2200	60	0.5
40	1	9	16	530	60	2.8
40	2	9	16	630	60	0.3
40	3	9	16	730	60	0.2
41	0	9	17	930	60	2.0
41	0	9	17	1030	60	0.2
41	1	9	17	1130	60	0.1
42	0	10	15	1500	60	0.2
42	0	10	15	1600	60	0.2
42	0	10	15	1700	60	0.2
42	0	10	15	1800	60	0.2
42	0	10	15	1900	60	3.6
42	1	10	15	2000	60	4.0
42	2	10	15	2100	60	3.0
42	3	10	15	2200	60	2.0
42	4	10	15	2300	60	1.5
42	5	10	15	2400	60	1.2
42	6	10	16	100	60	0.9
42	7	10	16	200	60	0.7

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
39	7	25080.0	14.3300	0.0150	0.72	18.00
39	0	.	.	.	.	.
39	0	.	.	.	.	.
40	1	15010.0	10.6800	0.0382	0.63	20.80
40	2	5540.0	8.5600	0.0524	0.86	34.90
40	3	4410.0	6.7800	0.0382	0.65	23.70
41	0	.	.	.	.	.
41	0	.	.	.	.	.
41	1	390.0	6.6000	0.0488	0.93	1.87
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	1	5363.3	5.5330	0.0275	0.90	23.10
42	2	2676.7	3.4760	0.0382	0.02	45.30
42	3	2523.3	2.7110	0.0000	29.90	54.70
42	4	1143.3	1.3770	0.0417	0.18	74.00
42	5	693.3	0.8840	0.0275	0.10	84.30
42	6	240.0	0.3825	0.0417	0.10	96.30
42	7	283.3	0.3145	0.0275	0.46	102.00

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
42	8	10	16	300	60	0.5
42	0	10	16	400	60	0.4
42	0	10	16	500	60	0.4
42	0	10	16	600	60	0.3
42	0	10	16	700	60	0.2
42	0	10	16	800	60	0.2
43	1	10	21	100	60	1.3
43	2	10	21	200	60	1.0
43	3	10	21	300	60	0.8
43	4	10	21	400	60	1.4
43	5	10	21	500	60	1.6
43	6	10	21	600	60	1.2
43	7	10	21	700	60	1.0
43	8	10	21	800	60	0.9
43	9	10	21	900	60	0.6
43	10	10	21	1000	60	0.6
43	0	10	21	1100	60	0.5
43	0	10	21	1200	60	0.4
43	0	10	21	1300	60	0.3
43	0	10	21	1400	60	0.2
44	0	11	1	1200	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
42	8	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.
43	1	6050.0	5.3700	0.0311	0.62	16.6
43	2	4035.0	3.7100	0.0311	0.16	24.6
43	3	1883.0	1.7170	0.0311	0.00	47.8
43	4	1017.0	1.1560	0.0311	0.00	57.5
43	5	966.7	1.0280	0.0346	1.09	62.9
43	6	426.7	0.7480	0.0382	0.16	72.5
43	7	253.3	0.3570	0.0346	0.00	79.1
43	8	283.3	0.2550	0.0311	0.31	82.9
43	9	163.3	0.1955	0.0311	0.47	87.3
43	10	120.0	0.3145	0.0346	0.88	125.0
43	0	.	.	.	.	.
43	0	.	.	.	.	.
43	0	.	.	.	.	.
43	0	.	.	.	.	.
44	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
44	0	11	1	1300	60	0.3
44	0	11	1	1400	60	0.3
44	0	11	1	1500	60	0.8
44	1	11	1	1600	60	0.8
44	2	11	1	1700	60	1.9
44	3	11	1	1800	60	1.5
44	4	11	1	1900	60	1.6
44	5	11	1	2000	60	1.2
44	6	11	1	2100	60	0.9
44	7	11	1	2200	60	0.6
44	8	11	1	2300	60	0.4
44	9	11	1	2400	60	0.3
44	0	11	2	100	60	0.2
45	0	11	10	1900	60	1.0
45	0	11	10	2000	60	1.0
45	0	11	10	2100	60	1.0
45	1	11	10	2200	60	7.7
45	2	11	10	2300	60	6.0
45	3	11	10	2400	60	4.8
45	4	11	11	100	60	4.2
45	5	11	11	200	60	7.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
44	0	.	.	.	.	.
44	0	.	.	.	.	.
44	0	.	.	.	.	.
44	1	6100.0	6.9400	0.0311	4.10	38.4
44	2	2010.0	2.5160	0.0609	0.86	86.7
44	3	893.3	1.0200	0.0346	0.43	96.9
44	4	400.0	0.5610	0.0346	0.22	101.0
44	5	330.0	0.3910	0.0311	1.30	109.0
44	6	290.0	0.3230	0.0311	0.43	116.0
44	7	270.0	0.2380	0.0417	0.43	121.0
44	8	230.0	0.1615	0.0311	0.00	122.0
44	9	.	.	.	.	.
44	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	1	632.0	1.2750	0.0000	0.00	69.0
45	2	4195.0	5.4480	0.0000	0.16	27.0
45	3	2282.5	2.5160	0.0000	0.16	34.9
45	4	1462.5	1.9630	0.0000	0.00	44.7
45	5	920.0	0.6205	0.0000	0.00	50.4

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
45	6	11	11	300	60	7.8
45	7	11	11	400	60	7.8
45	0	11	11	500	60	8.0
45	9	11	11	600	60	7.0
45	10	11	11	700	60	5.2
45	11	11	11	800	60	4.4
45	12	11	11	900	60	5.4
45	13	11	11	1000	60	6.7
45	14	11	11	1100	60	5.8
45	15	11	11	1200	60	5.0
45	16	11	11	1300	60	4.5
45	17	11	11	1400	60	4.1
45	18	11	11	1500	60	3.6
45	0	11	11	1600	60	3.2
45	0	11	11	1700	60	2.7
45	0	11	11	1800	60	2.3
45	0	11	11	1900	60	2.1
45	0	11	11	2000	60	1.8
45	0	11	11	2100	60	1.6
45	0	11	11	2200	60	1.4
45	0	11	11	2300	60	1.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
45	6	785.0	0.8925	0.0000	0.16	50.4
45	7	1665.0	2.2350	0.0346	0.16	25.7
45	0	.	.	.	.	.
45	9	1317.5	1.6830	0.0346	0.00	26.5
45	10	895.0	1.0030	0.0275	0.00	28.4
45	11	790.0	1.0200	0.0488	0.00	32.9
45	12	660.0	0.8160	0.0311	0.00	34.4
45	13	455.0	0.5865	0.0346	0.32	34.9
45	14	355.0	0.4675	0.0346	0.16	32.7
45	15	500.0	0.3655	0.0346	0.00	29.7
45	16	277.5	0.3230	0.0346	0.63	28.8
45	17	275.0	0.3910	0.0346	0.00	35.1
45	18	192.5	1.9970	0.0311	0.32	36.7
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
45	0	11	11	2400	60	1.0
45	0	11	12	100	60	0.9
45	0	11	12	200	60	0.7
45	0	11	12	300	60	0.6
45	0	11	12	400	60	0.4
45	0	11	12	500	60	0.2
46	0	11	15	1000	60	1.0
46	1	11	15	1100	60	2.8
46	2	11	15	1200	60	2.6
46	3	11	15	1300	60	2.3
46	4	11	15	1400	60	1.8
46	5	11	15	1500	60	1.4
46	6	11	15	1600	60	1.0
46	7	11	15	1700	60	0.6
46	8	11	15	1800	60	0.4
46	0	11	15	1900	60	0.3
46	0	11	15	2000	60	0.2
47	0	11	28	600	60	0.8
47	1	11	28	700	60	1.5
47	2	11	28	800	60	2.1
47	3	11	28	900	60	2.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.
45	0	.	.	.	.	.
46	0	.	.	.	.	.
46	1	1933.3	2.3970	0.0417	0.00	52.8
46	2	1490.0	3.2640	0.0000	0.32	47.9
46	3	1593.3	1.9970	0.0000	0.00	55.0
46	4	640.0	1.0290	0.0000	0.32	55.5
46	5	353.3	0.4080	0.0417	0.00	61.2
46	6	290.0	0.3230	0.0417	0.20	65.8
46	7	376.7	0.4080	0.0453	0.00	69.6
46	8	276.7	0.2805	0.0488	0.76	69.7
46	0	.	.	.	.	.
46	0	.	.	.	.	.
47	0	.	.	.	.	.
47	1	1906.7	3.9270	0.0417	1.08	62.1
47	2	1486.7	1.8530	0.0275	0.22	61.9
47	3	1336.7	1.6060	0.0453	1.08	62.1

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=BETHMEL (901) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
47	4	11	28	1000	60	2.0
47	5	11	28	1100	60	1.5
47	6	11	28	1200	60	1.2
47	7	11	28	1300	60	0.9
47	8	11	28	1400	60	0.7
47	9	11	28	1500	60	0.6
47	10	11	28	1600	60	0.5
47	0	11	28	1700	60	0.4
47	0	11	28	1800	60	0.4
48	0	12	2	2300	60	1.2
48	1	12	2	2400	60	1.8
48	2	12	3	100	60	1.8
48	3	12	3	200	60	1.4
48	4	12	3	300	60	1.1
48	5	12	3	400	60	0.9
48	6	12	3	500	60	0.7
48	7	12	3	600	60	0.5
48	8	12	3	700	60	1.4
48	0	12	3	800	60	1.7
48	9	12	3	900	60	1.0
48	0	12	3	1000	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
47	4	863.3	1.0450	0.0346	0.86	68.8
47	5	953.3	1.5380	0.0000	0.86	75.5
47	6	553.3	0.9606	0.0000	0.65	76.6
47	7	653.3	1.4280	0.0382	1.08	84.8
47	8	866.7	1.8190	0.0000	0.43	98.1
47	9	553.3	1.6150	0.0000	0.65	83.9
47	10	530.0	1.6060	0.0346	1.30	96.6
47	0	.	.	.	.	.
47	0	.	.	.	.	.
48	0	.	.	.	.	.
48	1	2590.0	3.0510	0.0000	0.65	65.1
48	2	1740.0	2.0990	0.0000	0.22	72.7
48	3	1010.0	1.2660	0.0000	0.43	81.1
48	4	676.7	0.8840	0.0000	0.00	58.0
48	5	975.0	0.7140	0.0000	0.00	61.5
48	6	390.0	0.4625	0.0000	0.16	60.4
48	7	290.0	0.4420	0.0000	0.16	65.1
48	8	420.0	0.4760	4.4820	0.16	74.1
48	0	.	.	.	.	.
48	9	296.7	0.3995	2.5390	0.32	75.6
48	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
49	1	.	.	.	.	.
50	1	3	4	1000	60	0.4
50	2	3	4	1100	60	0.6
50	3	3	4	1200	60	2.3
50	4	3	4	1300	60	7.3
50	5	3	4	1400	60	12.3
50	6	3	4	1500	60	7.9
50	7	3	4	1600	60	11.7
50	8	3	4	1700	60	10.0
50	9	3	4	1800	60	7.1
50	10	3	4	1900	60	4.5
50	11	3	4	2000	60	2.9
50	12	3	4	2100	60	2.1
50	13	3	4	2200	60	1.5
51	1	3	11	900	60	0.2
51	2	3	11	1000	60	1.7
51	1	3	11	900	60	0.2
51	2	3	11	1000	60	1.7
51	3	3	11	1100	60	3.9
51	4	3	11	1200	60	3.9
51	5	3	11	1300	60	2.9

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
49	1	53.3	0.1955	0.070	0.230	2.49
50	1	556.6	1.1980	0.026	0.230	8.39
50	2	2176.6	2.4310	0.000	0.080	6.99
50	3	3843.3	3.8160	0.051	0.390	7.30
50	4	3043.3	3.2640	0.000	0.080	8.39
50	5	5396.6	5.4480	0.022	0.080	8.70
50	6	5850.0	5.4400	0.029	0.000	7.69
50	7	5096.6	4.9130	0.037	0.230	8.63
50	8	4510.0	4.6490	0.000	0.470	8.93
50	9	11207.0	9.0780	0.000	0.080	10.80
50	10	3053.3	4.2410	0.033	0.080	10.90
50	11	2636.6	2.7790	0.000	0.000	11.30
50	12	2540.0	2.4390	0.000	0.160	11.10
50	13	2256.6	2.2690	0.000	0.390	12.70
51	1	.	.	.	.	.
51	2	.	.	.	.	.
51	1	3600.0	16.1400	0.051	0.000	10.80
51	2	3656.7	12.5600	0.044	0.000	12.00
51	3	6866.7	16.8300	0.033	0.000	13.70
51	4	4903.3	16.0300	0.033	0.000	15.40
51	5	14700.0	17.5900	0.022	0.000	15.10

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
51	6	3	11	1400	60	2.5
51	7	3	11	1500	60	2.1
51	8	3	11	1600	60	1.8
51	9	3	11	1700	60	1.7
51	10	3	11	1800	60	1.4
51	11	3	11	1900	60	1.3
51	12	3	11	2000	60	1.1
51	13	3	11	2100	60	1.7
51	14	3	11	2200	60	1.5
51	15	3	11	2300	60	1.6
51	16	3	11	2400	60	1.7
51	17	3	12	100	60	1.3
52	1	3	28	800	60	0.7
52	2	3	28	900	60	2.4
52	3	3	28	1000	60	3.2
52	4	3	28	1100	60	4.4
52	5	3	28	1200	60	5.2
52	6	3	28	1300	60	5.6
52	9	3	28	1600	180	1.0
52	10	3	28	1700	60	0.4
52	11	3	28	1800	60	3.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
51	6	4860.0	11.540	0.029	0.000	17.70
51	7	2610.0	3.179	0.029	0.000	19.00
51	8	1615.0	2.446	0.018	0.000	19.80
51	9	2465.0	3.094	0.022	0.000	19.50
51	10	3085.0	4.080	0.022	0.000	19.50
51	11	4030.0	4.454	0.026	0.000	20.90
51	12	4060.0	5.049	0.026	0.000	21.30
51	13	1713.3	7.429	0.026	0.000	22.30
51	14	2190.0	8.653	0.026	0.000	22.60
51	15	4580.0	7.174	0.022	0.000	22.10
51	16	7850.0	10.380	0.026	0.000	23.30
51	17	.	32.650	0.037	0.000	13.60
52	1	39660.0	19.660	0.015	0.622	2.49
52	2	13785.0	11.950	0.033	1.010	1.63
52	3	19920.0	25.900	0.066	0.470	3.42
52	4	74940.0	18.870	0.040	0.000	3.26
52	5	34520.0	15.190	0.040	0.000	7.30
52	6	18305.0	20.040	0.033	0.000	9.64
52	9	51340.0	4.974	0.051	0.000	13.00
52	10	3785.0	6.545	0.033	0.000	18.60
52	11	7230.0	20.330	0.051	0.000	11.50

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
52	12	3	28	1900	60	3.0
52	14	3	28	2100	120	6.0
52	15	3	28	2200	60	12.4
52	16	3	28	2300	60	9.4
52	17	3	28	2400	60	11.4
52	18	3	29	100	60	7.4
52	20	3	29	300	120	3.2
52	21	3	29	400	60	2.0
.	.	3	31	100	60	1.8
.	.	3	31	100	60	1.8
.	.	3	31	200	60	7.0
.	.	3	31	300	60	11.0
.	.	3	31	400	60	10.0
.	.	3	31	500	60	11.2
.	.	3	31	600	60	12.0
.	.	3	31	700	60	9.6
.	.	3	31	800	60	4.6
.	.	3	31	900	60	3.0
.	.	3	31	1000	60	1.8
.	.	3	31	1100	60	1.0
.	.	3	31	1200	60	0.7

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
52	12	64100	16.910	0.022	0.00	12.10
52	14	22460	9.756	0.033	0.00	6.68
52	15	10915	8.568	0.037	0.00	6.68
52	16	9680	7.871	0.040	0.00	9.17
52	17	9900	8.976	0.037	0.31	5.28
52	18	9760	15.550	0.037	0.16	7.62
52	20	26400	3.179	0.018	0.00	15.70
52	21	2780	2.584	0.011	0.16	16.00
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	31	1300	60	0.5
.	.	3	31	1400	60	0.2
53	1	4	5	1630	60	7.6
53	2	4	5	1730	60	10.6
53	3	4	5	1830	60	10.4
53	4	4	5	1930	60	9.4
53	5	4	5	2030	60	4.6
53	6	4	5	2130	60	2.8
53	7	4	5	2230	60	1.8
53	8	4	5	2330	60	0.6
53	9	4	6	30	60	0.8
53	10	4	6	130	60	0.0
53	11	4	6	230	60	0.0
53	12	4	6	330	60	0.0
53	13	4	6	430	60	0.0
53	14	4	6	530	60	1.4
53	15	4	6	630	60	1.0
53	16	4	6	730	60	0.5
53	17	4	6	830	60	0.4
53	18	4	6	930	60	0.2
53	19	4	6	1030	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
53	1	790	12.91	0.007	1.40	0.00
53	2	17370	6.32	0.037	0.00	9.32
53	3	14510	6.59	0.029	0.00	5.44
53	4	8040	4.08	0.029	0.00	4.51
53	5	5310	3.56	0.033	0.00	4.82
53	6	4575	17.78	0.011	0.16	7.14
53	7	17310	12.34	0.015	0.00	9.32
53	8	6475	4.26	0.004	0.31	4.66
53	9	8480	3.81	0.033	0.31	4.97
53	10	5060	3.34	0.022	0.00	6.53
53	11	3015	3.19	0.011	0.00	6.68
53	12	.	.	.	.	.
53	13	2795	3.08	0.000	0.00	11.60
53	14	1550	3.33	0.022	0.00	8.86
53	15	1640	3.46	0.011	0.47	7.46
53	16	2230	2.50	0.018	0.00	6.99
53	17	1980	2.22	0.022	0.00	8.70
53	18	1540	1.90	0.015	0.00	7.46
53	19	1920	2.20	0.015	0.00	8.86

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=RETHMEL (901) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
53	20	4	6	1130	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
53	20	1340	1.63	0.015	0	10.7

---------- PLOT=SHININGER (701) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	13	100	60	1.9
.	.	4	13	200	60	2.5
.	.	4	13	300	60	3.3
.	.	4	13	400	60	4.3
.	.	4	13	500	60	3.9
.	.	4	13	600	60	3.7
.	.	4	13	700	60	3.6
.	.	4	13	800	60	3.2
.	.	4	13	900	60	2.6
.	.	4	13	1000	60	2.2
.	.	4	13	1100	60	1.9
.	.	4	13	1200	60	1.1
.	.	4	13	1300	60	0.7
.	.	4	13	1400	60	0.5

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	28	1330	60	0.9
.	.	4	28	1430	60	0.9
.	.	4	28	1530	60	0.8
.	.	4	28	1630	60	0.7
.	.	4	28	1730	60	2.4
.	.	4	28	1830	60	4.4
.	.	4	28	1930	60	4.4
.	.	4	28	2030	60	4.8
.	.	4	28	2130	60	4.8
.	.	4	28	2230	60	4.0
.	.	4	28	2330	60	3.8
.	.	4	29	30	60	3.4
.	.	4	29	130	60	3.4
.	.	4	29	230	60	2.6
.	.	4	29	330	60	2.2
.	.	4	29	430	60	1.6
.	.	4	29	530	60	1.2
.	.	4	29	630	60	1.0
.	.	4	29	730	60	0.8
.	.	4	29	830	60	0.6
.	.	4	29	930	60	0.3

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	29	1030	60	0.10
.	.	5	10	1700	60	1.00
.	.	5	10	1800	60	2.20
.	.	5	10	1900	60	2.80
.	.	5	10	2000	60	3.10
.	.	5	10	2100	60	3.00
.	.	5	10	2200	60	2.50
.	.	5	10	2300	60	2.10
.	.	5	10	2400	60	1.80
.	.	5	11	100	60	1.40
.	.	5	11	200	60	1.90
.	.	5	11	300	60	2.30
.	.	5	11	400	60	2.00
.	.	5	11	500	60	1.70
.	.	5	11	600	60	1.20
.	.	5	11	700	60	0.80
.	.	5	11	800	60	0.60
.	.	5	11	900	60	0.40
.	.	5	11	1000	60	0.30
.	.	5	11	1100	60	0.10
.	.	5	11	1200	60	0.10

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	5	14	1400	60	1.40
.	.	5	14	1500	60	2.80
.	.	5	14	1600	60	3.60
.	.	5	14	1700	60	3.70
.	.	5	14	1800	60	3.60
.	.	5	14	1900	60	3.10
.	.	5	14	2000	60	3.00
.	.	5	14	2100	60	2.40
.	.	5	14	2200	60	1.80
.	.	5	14	2300	60	1.60
.	.	5	14	2400	60	1.10
.	.	5	15	100	60	0.80
.	.	5	15	200	60	0.50
.	.	5	15	300	60	0.25
.	.	5	15	400	60	0.20
.	.	5	15	500	60	1.10
.	.	5	15	600	60	1.65
.	.	5	15	700	60	1.65
.	.	5	15	800	60	1.65
.	.	5	15	900	60	1.65
.	.	5	15	1000	60	1.65

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	5	15	1100	60	1.450
.	.	5	15	1200	60	1.400
.	.	5	15	1300	60	0.900
.	.	5	15	1400	60	0.800
.	.	5	15	1500	60	0.550
.	.	5	15	1600	60	0.350
.	.	6	5	1500	60	14.200
.	.	6	5	1600	60	10.400
.	.	6	5	1700	60	4.400
.	.	6	5	1800	60	3.800
.	.	6	5	1900	60	3.400
.	.	6	5	2000	60	2.800
.	.	6	5	2100	60	1.800
.	.	6	5	2200	60	1.200
.	.	6	5	2300	60	0.900
.	.	6	5	2400	60	0.600
.	.	6	6	100	60	0.400
.	.	6	6	200	60	0.300
.	.	6	6	300	60	0.200
.	.	6	6	400	60	0.200
.	.	6	8	1900	60	3.500

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	6	8	2000	60	4.300
.	.	6	8	2100	60	4.600
.	.	6	8	2200	60	3.900
.	.	6	8	2300	60	3.900
.	.	6	8	2400	60	13.300
.	.	6	9	100	60	16.400
.	.	6	9	200	60	16.400
.	.	6	9	300	60	16.400
.	.	6	9	400	60	16.400
.	.	6	9	500	60	16.400
.	.	6	9	600	60	2.100
.	.	6	9	700	60	1.300
.	.	6	9	800	60	0.700
.	.	6	9	900	60	0.500
.	.	6	9	1000	60	0.300
.	.	6	9	2000	60	2.500
.	.	6	9	2100	60	4.300
.	.	6	9	2200	60	4.500
.	.	6	9	2300	60	6.700
.	.	6	9	2400	60	5.100
.	.	6	10	100	60	3.700

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	6	10	200	60	2.900
.	.	6	10	300	60	1.900
.	.	6	10	400	60	1.300
.	.	6	10	500	60	1.000
.	.	6	10	600	60	0.700
.	.	6	10	700	60	0.400
.	.	6	10	800	60	0.200
.	.	6	13	1030	60	3.706
.	.	6	13	1130	60	3.600
.	.	6	13	1230	60	9.800
.	.	6	13	1330	60	18.800
.	.	6	13	1430	60	18.800
.	.	6	13	1530	60	18.800
.	.	6	13	1630	60	18.800
.	.	6	13	1730	60	18.800
.	.	6	13	1830	60	9.800
.	.	6	13	1930	60	7.800
.	.	6	13	2030	60	3.400
.	.	6	13	2130	60	2.400
.	.	6	13	2230	60	1.600
.	.	6	13	2330	60	0.800

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	3.7	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	6	14	30	60	0.4
.	.	6	22	400	60	8.2
.	.	6	22	500	60	18.8
.	.	6	22	600	60	18.8
.	.	6	22	700	60	18.8
.	.	6	22	800	60	9.8
.	.	6	22	900	60	9.0
.	.	6	22	1000	60	6.8
.	.	6	22	1100	60	3.8
.	.	6	22	1200	60	1.6
.	.	9	2	1800	60	5.4
.	.	9	2	1900	60	8.6
.	.	9	2	2000	60	11.2
.	.	9	2	2100	60	15.2
.	.	9	2	2200	60	13.2
.	.	9	2	2300	60	7.8
.	.	9	2	2400	60	4.4
.	.	9	3	100	60	3.3
.	.	9	3	200	60	2.0
.	.	9	3	300	60	0.8
.	.	9	3	400	60	0.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	10	6	30	60	2.4
.	.	10	6	130	60	6.2
.	.	10	6	230	60	6.8
.	.	10	6	330	60	4.8
.	.	10	6	430	60	3.2
.	.	10	6	630	60	1.8
.	.	10	6	730	60	0.8
.	.	10	6	830	60	0.1
.	.	10	22	1300	60	2.8
.	.	10	22	1400	60	3.8
.	.	10	22	1500	60	4.0
.	.	10	22	1600	60	4.2
.	.	10	22	1700	60	4.2
.	.	10	22	1800	60	3.8
.	.	10	22	1900	60	3.4
.	.	10	22	2000	60	2.8
.	.	10	22	2100	60	2.0
.	.	10	22	2200	60	1.4
.	.	10	22	2300	60	0.8
.	.	10	22	2400	60	0.4
.	.	10	27	830	60	0.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=81 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	10	27	930	60	0.6
.	.	10	27	1030	60	0.6
.	.	10	27	1130	60	0.7
.	.	10	27	1230	60	0.7
.	.	10	27	1330	60	0.7
.	.	10	27	1430	60	0.7
.	.	10	27	1530	60	1.4
.	.	10	27	1630	60	3.2
.	.	10	27	1730	60	4.6
.	.	10	27	1830	60	6.2
.	.	10	27	1930	60	6.5
.	.	10	27	2030	60	5.0
.	.	10	27	2130	60	3.8
.	.	10	27	2230	60	3.0
.	.	10	27	2330	60	2.2
.	.	10	28	30	60	1.6
.	.	10	28	130	60	1.0
.	.	10	28	230	60	0.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	16	830	60	1.2
.	.	3	16	930	60	3.8
.	.	3	16	1030	60	13.6
.	.	3	16	1130	60	15.2
.	.	3	16	1230	60	10.6
.	.	3	16	1330	60	4.4
.	.	3	16	1430	60	4.0
.	.	3	16	1530	60	3.6
.	.	3	16	1630	60	3.2
.	.	3	16	1730	60	4.0
.	.	3	16	1830	60	4.0
.	.	3	16	1930	60	4.2
.	.	3	16	2030	60	3.8
.	.	3	16	2130	60	3.2
.	.	3	16	2230	60	2.8
.	.	3	16	2330	60	2.4
.	.	3	17	30	60	2.0
.	.	3	17	130	60	1.8
.	.	3	17	230	60	1.4
.	.	3	17	330	60	1.2
.	.	3	17	430	60	1.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	17	530	60	0.8
.	.	3	17	630	60	0.6
.	.	3	17	730	60	0.4
.	.	3	17	830	60	0.2
.	.	3	19	1900	60	0.4
.	.	3	19	2000	60	0.5
.	.	3	19	2100	60	0.8
.	.	3	19	2200	60	1.4
.	.	3	19	2300	60	1.4
.	.	3	19	2400	60	1.4
.	.	3	20	100	60	1.6
.	.	3	20	200	60	2.0
.	.	3	20	300	60	2.6
.	.	3	20	400	60	2.7
.	.	3	20	500	60	2.8
.	.	3	20	600	60	2.7
.	.	3	20	700	60	2.5
.	.	3	20	800	60	2.5
.	.	3	20	900	60	2.3
.	.	3	20	1000	60	2.0
.	.	3	20	1100	60	1.7

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=82 ----------

EVENT	SAMPLE	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	20	1200	60	1.5
.	.	3	20	1300	60	1.4
.	.	3	20	1400	60	1.2
.	.	3	20	1500	60	1.0
.	.	3	20	1600	60	0.7
.	.	3	20	1700	60	0.6
.	.	3	20	1800	60	0.4
.	.	3	20	1900	60	0.2
.	.	3	30	2100	60	3.4
.	.	3	30	2200	60	5.2
.	.	3	30	2300	60	4.0
.	.	3	30	2400	60	3.7
.	.	3	31	100	60	3.3
.	.	3	31	200	60	2.9
.	.	3	31	300	60	2.5
.	.	3	31	400	60	2.4
.	.	3	31	500	60	2.1
.	.	3	31	600	60	1.4
.	.	3	31	700	60	1.2
.	.	3	31	800	60	1.0
.	.	3	31	900	60	0.8

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	3	31	1000	60	0.6
.	.	3	31	1100	60	0.4
.	.	4	12	1200	60	1.0
.	.	4	12	1300	60	2.6
.	.	4	12	1400	60	1.6
.	.	4	12	1500	60	2.2
.	.	4	12	1600	60	2.8
.	.	4	12	1700	60	3.6
.	.	4	12	1800	60	4.4
.	.	4	12	1900	60	4.4
.	.	4	12	2000	60	4.2
.	.	4	12	2100	60	4.0
.	.	4	12	2200	60	3.4
.	.	4	12	2300	60	3.0
.	.	4	12	2400	60	2.8
.	.	4	13	100	60	2.4
.	.	4	13	200	60	2.0
.	.	4	13	300	60	1.6
.	.	4	13	400	60	1.2
.	.	4	13	500	60	0.8
.	.	4	13	600	60	0.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
.	.	4	13	700	60	0.40
.	.	4	16	1100	60	2.20
.	.	4	16	1200	60	4.20
.	.	4	16	1300	60	5.50
.	.	4	16	1400	60	4.60
.	.	4	16	1500	60	4.00
.	.	4	16	1600	60	3.20
.	.	4	16	1700	60	2.60
.	.	4	16	1800	60	2.20
.	.	4	16	1900	60	1.80
.	.	4	16	2000	60	1.40
.	.	4	16	2100	60	1.00
.	.	4	16	2200	60	0.70
.	.	4	16	2300	60	0.40
1	1	5	27	1210	510	2.60
2	1	5	28	1110	840	0.60
3	1	7	10	1230	60	1.40
3	2	7	10	1350	30	3.90
3	3	7	10	1420	30	3.50
3	4	7	10	1450	30	3.30
3	5	7	10	1520	30	3.00

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.
1	1	1796	3.90	1.770	0.13	17.80
2	1	108	1.95	1.640	0.39	12.10
3	1	732	4.17	1.600	0.57	0.46
3	2	1564	3.82	0.460	0.25	10.60
3	3	1040	2.34	0.400	1.75	15.20
3	4	768	1.85	0.450	2.03	14.40
3	5	596	1.72	0.400	1.71	15.90

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
3	6	7	10	1550	30	2.70
3	7	7	10	1620	30	2.20
3	8	7	10	1650	30	1.80
3	9	7	10	1720	30	1.40
3	10	7	10	1750	30	1.20
3	11	7	10	1820	30	0.90
3	12	7	10	1850	30	0.60
3	13	7	10	1920	30	0.30
4	2	11	2	233	960	1.00
4	4	11	2	323	50	0.80
4	6	11	2	413	50	0.70
4	8	11	2	503	50	0.70
4	10	11	2	553	50	0.70
4	12	11	2	43	50	0.65
4	16	11	2	1103	125	0.50
4	18	11	2	1053	50	0.48
4	22	11	2	1233	50	0.45
4	24	11	2	1323	50	0.45
4	26	11	2	1413	50	0.45
5	1	11	20	420	50	0.05
5	2	11	20	510	50	0.30

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
3	6	498	1.38	0.420	1.110	13.900
3	7	426	1.53	0.500	1.750	16.600
3	8	388	1.20	0.420	1.500	17.300
3	9	356	1.23	0.440	0.890	17.400
3	10	352	1.08	0.400	0.960	16.000
3	11	314	1.18	0.420	0.610	16.100
3	12	286	1.13	0.140	0.390	16.700
3	13	286	0.69	0.430	.	11.300
4	2	56	0.61	0.180	0.680	0.740
4	4	40	0.71	0.183	0.060	0.310
4	6	44	0.56	0.199	0.550	0.550
4	8	92	0.65	0.539	0.860	0.000
4	10	40	0.59	0.211	0.000	0.180
4	12	50	0.46	0.166	0.000	0.090
4	16	28	0.49	0.183	0.000	0.830
4	18	100	1.22	0.236	0.650	0.250
4	22	76	0.46	0.156	0.180	0.150
4	24	80	0.49	0.262	0.130	0.000
4	26	44	0.68	0.386	0.790	0.200
5	1	162	2.34	0.968	2.340	1.140
5	2	154	0.88	0.448	0.740	1.690

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
5	4	11	20	700	75	0.80
5	8	11	20	1340	400	0.80
5	11	11	20	1610	275	0.70
5	14	11	20	1840	150	0.55
5	20	11	20	2340	225	0.10
5	26	11	21	440	300	0.10
5	31	11	21	900	275	0.05
5	46	11	21	2130	500	0.02
6	1	11	24	1150	1060	0.01
7	1	11	29	1450	720	0.15
8	8	12	4	105	380	2.80
8	11	12	4	305	120	2.95
8	14	12	4	505	120	2.41
8	17	12	4	705	120	2.00
8	20	12	4	905	120	1.60
8	23	12	4	1105	120	1.25
8	26	12	4	1305	120	0.95
8	29	12	4	1505	200	0.70
8	36	12	4	1945	70	0.35
9	10	12	5	305	460	0.70
9	14	12	5	545	180	0.55

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
5	4	186.	0.750	0.285	0.220	1.290
5	8	204	0.630	0.219	0.250	1.600
5	11	94	0.590	0.226	0.070	0.000
5	14	204	0.630	0.211	0.120	1.660
5	20	182	0.660	0.176	0.090	1.850
5	26	196	0.560	0.144	0.060	0.680
5	31	176	0.490	0.156	0.430	0.860
5	46	126	0.780	0.261	0.460	0.000
6	1	176	0.420	0.211	0.070	0.000
7	1	.	.	.	.	.
8	8	240	0.390	0.187	0.130	0.030
8	11	250	0.730	0.296	0.330	0.000
8	14	204	0.900	0.269	0.980	0.000
8	17	240	0.710	0.216	0.390	0.000
8	20	230	0.370	0.226	0.070	0.000
8	23	244	0.630	0.199	0.360	0.430
8	26	206	0.730	0.176	0.390	0.000
8	29	192	0.540	0.184	0.130	0.000
8	36	160	0.490	0.212	0.000	0.000
9	10	166	0.520	0.215	0.130	0.000
9	14	166	0.760	0.164	0.390	0.000

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=82 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
9	19	12	5	905	160	0.45
9	22	12	5	1105	120	0.30
9	25	12	5	1305	180	0.29
9	31	12	5	1705	840	0.50
10	1	12	25	1430	180	5.10
10	2	12	25	1510	240	5.30
10	3	12	26	1430	1320	0.20
10	4	12	27	1430	900	0.20
11	1	12	27	1935	40	0.20
11	4	12	27	2035	100	0.70
11	11	12	27	2255	130	1.50
11	17	12	28	55	100	1.50
11	21	12	28	215	110	1.45
11	28	12	28	435	140	1.20
11	35	12	28	655	130	0.90
11	41	12	28	855	540	0.60

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
9	19	44	0.560	0.207	0.113	0.099
9	22	106	0.540	0.219	0.187	0.114
9	25	156	0.560	0.244	0.070	0.000
9	31	172	0.540	0.348	0.260	0.000
10	1	628	1.120	0.204	0.260	0.330
10	2	630	1.100	0.176	0.130	0.330
10	3	418	0.900	0.216	0.130	0.330
10	4	348	0.660	0.324	0.360	0.000
11	1	314	0.630	0.148	0.130	0.000
11	4	302	0.732	0.216	0.330	0.460
11	11	346	0.680	0.108	0.390	0.000
11	17	342	0.660	0.148	0.070	0.200
11	21	334	0.680	0.140	0.230	0.030
11	28	156	0.680	0.172	0.070	0.000
11	35	314	1.200	0.516	0.360	0.230
11	41	304	0.680	0.192	0.000	0.070

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
14	1	4	2	210	330	2.61
14	2	4	2	230	20	2.60
14	3	4	2	250	20	2.50
14	4	4	2	310	20	2.41
14	5	4	2	330	660	1.20
16	1	4	9	640	30	0.30
16	3	4	9	740	45	0.30
16	7	4	9	940	90	0.40
16	11	4	9	1140	120	1.50
16	15	4	9	1340	120	1.80
16	19	4	9	1540	120	1.40
16	23	4	9	1740	120	0.80
16	29	4	9	2040	150	0.70
16	35	4	9	2340	195	0.60
16	41	4	10	240	180	0.40
16	45	4	9	410	200	0.30
17	3	4	10	1440	120	0.60
17	7	4	10	1640	150	0.80
17	13	4	10	1940	270	0.40
17	19	4	10	2240	300	0.30
18	1	4	13	800	45	0.40

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
14	1	402	1.120	0.348	0.140	0.950
14	2	400	1.200	0.344	0.140	0.070
14	3	374	1.100	0.336	.	0.350
14	4	408	1.120	0.336	.	0.390
14	5	378	1.050	0.328	0.210	1.400
16	1	320	0.730	0.068	0.310	0.000
16	3	342	0.660	0.098	0.210	0.120
16	7	300	0.880	0.146	0.180	0.190
16	11	254	0.830	0.224	0.150	0.330
16	15	358	0.708	0.146	0.260	0.110
16	19	318	0.820	0.254	0.210	0.230
16	23	296	0.900	0.178	0.204	0.015
16	29	272	0.720	0.234	0.189	0.227
16	35	296	0.840	0.166	0.000	0.211
16	41	282	0.740	0.312	0.144	0.347
16	45	282	0.780	0.156	0.000	0.004
17	3	316	0.760	0.206	0.004	0.091
17	7	296	0.780	.	0.110	0.210
17	13	284	0.680	0.223	0.035	0.136
17	19	276	0.680	0.219	0.066	0.007
18	1	278	0.730	0.234	0.050	0.016

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
18	2	4	13	830	120	0.50
18	9	4	13	1200	195	0.40
18	15	4	13	1500	180	1.60
18	21	4	13	1800	180	2.60
18	27	4	13	2100	180	2.35
18	33	4	13	2400	210	2.00
18	41	4	14	400	210	2.60
18	47	4	14	700	180	1.40
18	53	4	14	1000	360	0.40
19	1	4	29	1200	90	0.90
19	5	4	29	1400	210	0.40
19	15	4	29	1900	270	0.70
19	20	4	29	2230	240	5.40
19	27	4	30	330	210	7.20
19	34	4	30	600	570	2.60
20	1	5	1	600	45	0.20
20	3	5	1	700	75	6.90
20	5	5	1	830	60	29.40
20	7	5	1	900	60	36.90
20	9	5	1	1030	60	37.30
20	11	5	1	1100	60	35.30

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
18	2	298	0.780	0.263	0.000	0.035
18	9	306	0.730	0.254	.	0.217
18	15	272	0.780	0.390	0.088	0.295
18	21	368	1.050	0.262	0.020	0.273
18	27	376	0.980	0.269	0.000	0.000
18	33	400	1.020	0.261	0.000	0.088
18	41	404	1.490	0.683	0.110	0.000
18	47	414	.	0.332	0.231	0.476
18	53	398	1.025	0.283	0.000	0.000
19	1	234	0.976	0.498	0.234	3.440
19	5	166	0.781	0.449	0.000	4.220
19	15	190	0.781	.	0.129	3.480
19	20	176	0.732	0.371	0.306	2.810
19	27	236	0.927	0.615	0.026	4.990
19	34	236	0.927	0.508	0.484	5.170
20	1	242	0.630	.	0.000	0.454
20	3	.	0.878	.	0.166	0.688
20	5	718	1.366	.	0.076	3.800
20	7	930	1.220	.	0.018	5.940
20	9	682	1.171	.	0.000	4.670
20	11	.	0.781	.	0.000	1.890

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
20	17	5	1	1430	150	9.00
20	21	5	1	1600	90	6.70
20	24	5	1	1730	90	4.90
20	31	5	1	2030	300	2.70
20	44	5	2	330	330	0.30
21	2	5	2	2100	210	0.40
21	8	5	2	2400	165	0.40
21	14	5	3	600	105	0.30
21	16	5	3	700	285	0.25
22	1	5	22	700	45	0.60
22	3	5	22	800	75	1.20
22	6	5	22	930	105	1.20
22	9	5	22	1130	105	0.80
22	12	5	22	1300	180	0.20
23	3	6	5	1730	75	1.40
23	8	6	5	2000	165	1.20
23	14	6	5	2300	180	0.70
23	20	6	6	200	165	0.40
23	25	6	6	430	90	0.20
24	1	6	10	1530	90	1.40
24	6	6	10	1830	210	5.20

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
20	17	.	.	.	0.003	2.580
20	21	.	.	0.293	0.000	1.950
20	24	.	.	0.327	0.008	1.080
20	31	.	.	0.332	0.003	0.952
20	44	.	.	0.390	0.040	0.387
21	2	328	0.830	0.283	0.000	0.363
21	8	296	0.732	0.283	0.018	0.151
21	14	1078	0.732	0.293	0.698	0.000
21	16	248	0.683	0.342	0.244	0.000
22	1	420	2.391	1.698	0.000	3.760
22	3	360	2.538	1.835	0.000	4.070
22	6	248	2.879	2.176	0.093	4.260
22	9	162	2.536	2.106	0.000	3.870
22	12	116	2.196	1.884	0.000	2.990
23	3	108	1.074	0.634	0.023	1.810
23	8	80	0.970	0.683	0.092	2.900
23	14	54	1.025	0.878	.	.
23	20	64	0.830	0.839	0.053	2.760
23	25	46	1.025	0.830	0.053	1.450
24	1	8322	6.246	0.342	0.000	2.620
24	6	2682	3.123	0.332	0.465	8.990

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
24	10	6	10	2030	135	3.60
24	15	6	10	2300	150	2.20
24	20	6	11	130	225	1.20
24	30	6	11	630	315	0.30
25	2	.	.	.	.	.
25	6	.	.	.	.	.
25	11	.	.	.	.	.
25	16	.	.	.	.	.
26	1	6	30	1600	75	0.15
27	1	6	30	1800	45	9.00
27	3	6	30	1900	90	18.60
27	7	6	30	2100	120	16.60
27	11	6	30	2300	150	3.40
27	17	7	1	200	195	1.60
27	24	7	1	530	225	0.30
28	2	7	1	2230	75	1.40
28	4	7	1	2330	75	1.20
28	7	7	2	100	90	0.60
28	10	7	2	230	135	0.20
29	1	11	16	1130	.	.
30	3	11	19	800	90	2.20

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
24	10	512	1.757	0.410	0.382	5.380
24	15	520	1.222	0.712	0.374	4.290
24	20	.	0.878	0.527	0.359	3.190
24	30	220	0.976	0.537	0.057	1.730
25	2	1852	0.781	0.537	0.106	2.970
25	6	58	0.683	0.468	0.132	1.760
25	11	62	0.634	0.478	0.079	0.749
25	16	44	0.634	0.476	0.147	0.197
26	1	494	0.878	0.429	0.000	0.393
27	1	2186	2.586	0.498	0.132	0.666
27	3	.	.	0.273	0.195	1.870
27	7	1902	1.952	.	0.000	1.280
27	11	432	0.927	0.459	0.087	0.287
27	17	124	0.634	0.488	0.076	0.096
27	24	84	0.683	0.517	0.053	0.128
28	2	538	1.269	0.429	0.147	0.454
28	4	560	1.220	0.420	0.000	0.391
28	7	390	0.976	0.390	0.043	0.651
28	10	246	0.830	0.429	.	.
29	1	.	1.313	0.322	0.346	3.290
30	3	1020	3.094	0.322	0.513	2.460

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=83 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
30	9	11	19	1000	90	3.60
30	12	11	19	1100	110	2.80
30	20	11	19	1330	130	1.60
30	25	11	19	1500	150	1.00
30	35	11	19	1800	180	0.20
30	45	11	19	2100	105	0.05
31	1	11	20	1600	285	0.40
32	1	11	23	800	135	0.10
32	9	11	23	1200	240	1.50
32	17	11	23	1600	240	1.90
32	25	11	23	2000	240	0.40
32	33	11	23	2400	255	0.20
32	42	11	24	630	150	0.10
33	1	11	28	1030	.	1.40

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
30	9	1414	3.638	0.234	0.512	2.450
30	12	1414	3.413	0.205	0.331	2.370
30	20	1230	3.363	0.254	0.596	2.220
30	25	1214	3.663	0.351	1.840	2.880
30	35	1074	3.375	0.439	1.500	1.920
30	45	900	4.381	0.703	10.600	0.341
31	1	412	4.563	0.254	0.180	1.350
32	1	374	1.850	0.488	1.510	0.938
32	9	584	2.619	0.576	1.760	0.726
32	17	540	2.231	0.205	0.631	0.272
32	25	492	1.850	0.410	1.440	1.350
32	33	538	2.100	0.498	3.310	0.846
32	42	520	1.619	0.303	0.495	1.260
33	1	400	1.994	0.586	0.733	0.847

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
35	0	4	3	1500	60	1.6
35	0	4	3	1600	60	2.2
35	0	4	3	1700	60	2.0
35	0	4	3	1800	60	1.7
35	0	4	3	1900	60	1.4
35	0	4	3	2000	60	1.1
35	0	4	3	2100	60	1.2
35	0	4	3	2200	60	1.4
35	0	4	3	2300	60	1.8
35	0	4	3	2400	60	2.0
35	0	4	4	100	60	2.2
35	0	4	4	200	60	3.6
35	0	4	4	300	60	4.8
35	0	4	4	400	60	5.0
35	0	4	4	500	60	4.4
35	0	4	4	600	60	3.8
35	0	4	4	700	60	3.4
35	0	4	4	800	60	3.1
35	0	4	4	900	60	2.8
35	0	4	4	1000	60	2.5
35	0	4	4	1100	60	2.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
35	0	4	4	1200	60	1.8
35	0	4	4	1300	60	1.4
35	0	4	4	1400	60	1.0
35	0	4	4	1500	60	0.6
35	0	4	4	1600	60	0.6
35	0	4	4	1700	60	0.5
35	0	4	4	1800	60	0.5
35	0	4	4	1900	60	0.4
36	0	4	14	1530	60	2.6
36	0	4	14	1630	60	2.8
36	0	4	14	1730	60	2.8
36	0	4	14	1830	60	2.6
36	0	4	14	1930	60	2.6
36	0	4	14	2030	60	2.2
36	0	4	14	2130	60	2.2
36	0	4	14	2230	60	2.0
36	0	4	14	2330	60	2.0
36	0	4	15	30	60	1.7
36	0	4	15	130	60	1.4
36	0	4	15	230	60	1.1
36	0	4	15	330	60	1.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
35	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
36	0	4	15	430	60	0.9
36	0	4	15	530	60	0.8
36	0	4	15	630	60	0.8
36	0	4	15	730	60	0.9
36	0	4	15	830	60	1.0
36	0	4	15	930	60	1.6
36	0	4	15	1030	60	1.8
36	0	4	15	1130	60	1.7
36	7	4	15	1230	60	1.4
36	0	4	15	1330	60	1.1
36	11	4	15	1430	60	0.9
36	0	4	15	1530	60	0.6
36	15	4	15	1630	60	2.2
36	0	4	15	1730	60	2.2
36	19	4	15	1830	60	2.0
36	0	4	15	1930	60	1.6
36	23	4	15	2030	60	1.0
36	0	4	15	2130	60	0.6
36	0	4	15	2230	60	0.5
36	0	4	15	2330	60	0.5
36	0	4	16	30	60	0.4

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	7	214.0	0.090	0.144	0.02	5.91
36	0	.	.	.	.	.
36	11	200.0	0.084	0.170	0.06	2.15
36	0	.	.	.	.	.
36	15	218.0	0.092	0.154	0.10	2.47
36	0	.	.	.	.	.
36	19	260.0	0.096	0.131	0.00	4.17
36	0	.	.	.	.	.
36	23	214.0	0.094	0.163	0.18	3.63
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.
36	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
37	0	4	16	1500	60	1.0
37	0	4	16	1600	60	1.8
37	0	4	16	1700	60	2.2
37	0	4	16	1800	60	2.2
37	1	4	16	1900	60	2.0
37	2	4	16	2000	60	1.7
37	3	4	16	2100	60	1.2
37	6	4	16	2200	60	1.0
37	10	4	16	2300	60	0.6
37	12	4	16	2400	60	0.6
37	0	4	17	100	60	0.5
37	0	4	17	200	60	0.5
37	0	4	17	300	60	0.4
38	0	4	22	1030	60	.
38	0	4	22	1130	60	.
38	3	4	22	1230	60	.
38	0	4	22	1330	60	.
38	0	4	22	1430	60	.
38	9	4	22	1530	60	.
38	0	4	22	1630	60	.
38	0	4	22	1730	60	.

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
37	0	.	.	.	.	.
37	0	.	.	.	.	.
37	0	.	.	.	.	.
37	0	.	.	.	.	.
37	1	254.0	0.104	0.129	0.14	2.71
37	2	236.0	0.102	0.126	0.14	3.19
37	3	274.0	0.104	0.139	0.14	3.51
37	6	220.0	0.246	0.981	1.26	2.55
37	10	170.0	0.096	0.156	0.06	3.27
37	12	242.0	0.102	0.163	0.10	3.23
37	0	.	.	.	.	.
37	0	.	.	.	.	.
37	0	.	.	.	.	.
38	0	.	.	.	.	.
38	0	.	.	.	.	.
38	3	3596.7	1.001	0.151	0.06	1.60
38	0	.	.	.	.	.
38	0	.	.	.	.	.
38	9	3630.0	1.076	0.193	0.22	1.24
38	0	.	.	.	.	.
38	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
38	15	4	22	1830	60	.
38	0	4	22	1930	60	.
38	0	4	22	2030	60	.
38	0	4	22	2130	60	.
38	19	4	22	2230	60	.
38	0	4	22	2330	60	.
38	0	4	23	30	60	.
38	27	4	23	130	60	.
38	0	4	23	230	60	.
38	0	4	23	330	60	.
38	0	4	23	430	60	.
38	31	4	23	530	60	.
38	0	4	23	630	60	.
38	0	4	23	730	60	.
38	0	4	23	830	60	.
38	0	4	23	930	60	.
38	0	4	23	1030	60	.
39	3	4	23	1130	60	1.0
39	0	4	23	1230	60	1.2
39	0	4	23	1330	60	1.1
39	9	4	23	1430	60	1.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
38	15	1250	0.389	0.183	0.02	1.24
38	0	.	.	.	.	.
38	0	.	.	.	.	.
38	0	.	.	.	.	.
38	19	1450	0.322	0.180	0.16	1.40
38	0	.	.	.	.	.
38	0	.	.	.	.	.
38	27	722	0.200	0.223	0.02	2.27
38	0	.	.	.	.	.
38	0	.	.	.	.	.
38	0	.	.	.	.	.
38	31	666	0.202	0.246	0.06	1.52
38	0	.	.	.	.	.
38	0	.	.	.	.	.
38	0	.	.	.	.	.
38	0	.	.	.	.	.
38	0	.	.	.	.	.
39	3	550	0.204	0.385	0.50	2.55
39	0	.	.	.	.	.
39	0	.	.	.	.	.
39	9	452	0.131	0.151	0.06	2.31

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
39	0	4	23	1530	60	0.8
39	0	4	23	1630	60	0.7
39	0	4	23	1730	60	0.6
39	15	4	23	1830	60	0.6
39	0	4	23	1930	60	0.7
39	0	4	23	2030	60	0.6
39	20	4	23	2130	60	0.8
39	0	4	23	2230	60	0.8
39	0	4	23	2330	60	0.6
39	0	4	24	30	60	0.7
39	26	4	24	130	60	0.7
39	0	4	24	230	60	0.7
39	0	4	24	330	60	0.7
39	31	4	24	430	60	0.6
39	0	4	24	530	60	0.4
39	0	4	24	630	60	0.3
40	0	5	20	1200	60	3.0
40	0	5	20	1300	60	4.0
40	0	5	20	1400	60	4.8
40	0	5	20	1500	60	4.6
40	0	5	20	1600	60	4.7

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
39	0	.	.	.	.	.
39	0	.	.	.	.	.
39	0	.	.	.	.	.
39	15	414.0	0.1230	0.1540	0.10	1.56
39	0	.	.	.	.	.
39	0	.	.	.	.	.
39	20	140.0	0.1270	0.1510	0.18	1.56
39	0	.	.	.	.	.
39	0	.	.	.	.	.
39	0	.	.	.	.	.
39	26	396.0	0.1290	0.1540	0.10	1.99
39	0	.	.	.	.	.
39	0	.	.	.	.	.
39	31	372.0	0.1190	0.1540	0.00	2.29
39	0	.	.	.	.	.
39	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
40	0	5	20	1700	60	4.3
40	0	5	20	1800	60	3.6
40	0	5	20	1900	60	3.0
40	0	5	20	2000	60	2.4
40	0	5	20	2100	60	2.0
40	0	5	20	2200	60	1.8
40	0	5	20	2300	60	1.4
40	0	5	20	2400	60	1.1
40	0	5	21	100	60	0.8
40	0	5	21	200	60	0.6
41	1	5	26	30	60	4.0
41	2	5	26	130	60	5.0
41	3	5	26	230	60	4.8
41	4	5	26	330	60	4.0
41	5	5	26	430	60	3.2
41	6	5	26	530	60	2.6
41	7	5	26	630	60	2.0
41	8	5	26	730	60	1.6
41	9	5	26	830	60	1.2
41	10	5	26	930	60	0.9
41	11	5	26	1030	60	0.6

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
40	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.
40	0	.	.	.	.	.
41	1	2755.0	3.6500	0.3850	0.00	28.1
41	2	1495.0	3.0500	0.4600	0.16	30.2
41	3	1340.0	2.4500	0.4300	0.16	36.0
41	4	867.5	2.0500	0.6150	0.00	33.2
41	5	320.0	1.8250	0.6150	0.00	35.4
41	6	430.0	1.1500	0.5350	0.00	33.1
41	7	605.0	1.3250	0.4600	0.08	37.6
41	8	250.0	1.0250	0.5900	0.60	38.2
41	9	146.0	0.9750	0.5800	0.00	38.9
41	10	160.0	1.1250	0.5400	0.04	41.9
41	11	155.0	0.9000	0.6700	0.00	42.6

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=84 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
41	12	5	26	1130	60	0.6
41	13	5	26	1230	60	0.4
41	14	5	26	1330	60	0.4
42	0	11	11	200	60	1.4
42	0	11	11	300	60	3.0
42	0	11	11	400	60	3.6
42	0	11	11	500	60	4.6
42	1	11	11	600	60	4.6
42	2	11	11	700	60	3.4
42	3	11	11	800	60	3.2
42	4	11	11	900	60	3.4
42	5	11	11	1000	60	3.4
42	6	11	11	1100	60	3.1
42	7	11	11	1200	60	2.8
42	8	11	11	1300	60	2.6
42	9	11	11	1400	60	2.3
42	10	11	11	1500	60	2.1
42	11	11	11	1600	60	1.9
42	12	11	11	1700	60	1.8
42	13	11	11	1800	60	1.6
42	14	11	11	1900	60	1.3

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
41	12	96.0	1.1750	0.5000	0.12	43.8
41	13	1948.0	1.1000	0.6100	0.00	43.0
41	14	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	1	220.0	0.8415	0.1947	0.13	20.9
42	2	160.0	0.6545	0.2303	0.21	22.9
42	3	137.5	0.7055	0.2232	0.25	22.4
42	4	212.5	0.8585	0.2089	0.41	23.1
42	5	112.5	0.5525	0.1876	0.33	22.9
42	6	105.0	0.6460	0.2064	0.37	23.5
42	7	80.0	0.4675	0.1734	0.13	23.6
42	8	75.0	0.4675	0.1911	0.57	25.3
42	9	85.0	0.4420	0.1769	0.29	49.2
42	10	92.5	0.4080	0.1698	0.13	12.7
42	11	62.5	0.4505	0.1876	0.61	24.7
42	12	65.0	0.3995	0.1520	0.33	26.2
42	13	77.5	0.4420	0.1591	0.33	25.7
42	14	50.0	0.3[illegible]5	0.1413	0.49	26.8

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=84 ----------

EVENT	SAMPLE	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
42	15	11	11	2000	60	1.1
42	16	11	11	2100	60	0.9
42	0	11	11	2200	60	0.8
42	0	11	11	2300	60	0.6
42	0	11	11	2400	60	0.5
42	0	11	12	100	60	0.4

EVENT	SAMPLE	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
42	15	42.5	0.3655	0.1413	0.37	27.5
42	16	50.0	0.3655	0.1465	0.21	28.0
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.
42	0	.	.	.	.	.

---------- PLOT=SHININGER (701) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
44	1	3	4	1330	15	0.1
44	2	3	4	1345	15	0.1
44	3	3	4	1400	15	1.2
44	4	3	4	1415	15	3.2
44	5	3	4	1430	15	3.7
44	6	3	4	1445	15	4.7
44	7	3	4	1500	15	8.1
44	8	3	4	1515	15	4.1
44	9	3	4	1530	15	1.9

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
44	1	600.0	0.9520	0.1430	0.780	3.42
44	2	853.3	1.1300	0.1060	0.160	4.97
44	3	1320.0	1.9380	0.1280	0.620	3.11
44	4	1323.3	1.8700	0.1630	0.310	4.04
44	5	1010.0	1.5130	0.1540	0.620	3.42
44	6	600.0	1.2660	0.1580	0.310	4.35
44	7	743.3	1.2070	0.1280	0.310	4.20
44	8	626.6	1.0450	0.0730	0.470	4.19
44	9	623.3	0.9945	0.1390	0.470	4.97

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
44	10	3	4	1545	15	1.3
44	11	3	4	1600	15	0.7
44	12	3	4	1615	15	0.1
45	1	3	28	800	60	0.1
45	2	3	28	900	60	1.0
45	3	3	28	1000	60	2.0
45	4	3	28	1100	60	3.4
45	5	3	28	1200	60	4.4
45	6	3	28	1300	60	4.0
45	7	3	28	1400	60	3.3
45	8	3	28	1500	60	2.6
45	9	3	28	1600	60	2.2
45	10	3	28	1700	60	1.8
45	11	3	28	1800	60	1.6
45	12	3	28	1900	60	2.0
45	13	3	28	2000	60	2.0
45	14	3	28	2100	60	10.6
45	15	3	28	2200	60	14.6
45	16	3	28	2300	60	15.7
45	17	3	28	2400	60	13.0
45	18	3	29	100	60	7.0

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
44	10	573.3	0.9690	0.106	0.470	4.50
44	11	576.6	0.9605	0.121	0.310	6.53
44	12	526.6	0.8925	0.088	0.310	6.22
45	1	1096.7	1.7170	0.205	0.850	9.02
45	2	1086.7	1.7140	0.242	0.390	9.17
45	3	1210.0	1.9040	0.238	1.170	9.47
45	4	973.3	1.4620	0.191	0.080	8.08
45	5	873.3	1.5640	0.220	0.390	8.55
45	6	720.0	1.2750	0.209	0.080	10.40
45	7	663.3	1.1560	0.253	0.080	10.20
45	8	560.0	1.0860	0.196	0.850	10.50
45	9	486.7	1.0030	0.202	0.230	11.90
45	10	630.0	1.1220	0.227	0.540	10.70
45	11	773.3	1.2750	0.198	1.320	9.17
45	12	683.3	1.1390	0.176	0.230	9.64
45	13	2133.3	2.8220	0.114	2.250	5.91
45	14	1730.7	2.3970	0.143	0.000	5.96
45	15	1440.0	1.9380	0.125	0.000	15.70
45	16	1670.0	2.2780	0.084	0.223	4.63
45	17	1033.3	1.7510	0.114	0.233	4.20
45	18	1033.3	1.6660	0.165	0.233	3.57

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
45	19	3	29	200	60	5.0
45	20	3	29	300	60	3.0
45	21	3	29	400	60	2.2
45	22	3	29	500	60	1.9
45	23	3	29	600	60	1.6
45	24	3	29	700	60	1.4
45	25	3	29	800	60	1.0
46	3	3	31	500	60	4.4
46	4	3	31	600	60	4.6
46	9	3	31	1300	320	13.0
46	11	3	31	1500	120	2.8
46	12	3	31	1600	60	2.2
46	17	3	31	2100	300	1.6
46	20	3	31	2400	120	1.5
46	21	4	1	100	60	1.2
46	22	4	1	200	60	0.7
46	23	4	1	300	60	0.6
46	24	4	1	400	60	0.4
46	25	4	1	500	60	0.3
46	26	4	1	600	60	0.2
47	1	4	5	1600	60	4.3

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
45	19	696.7	1.326	0.136	0.000	5.98
45	20	790.0	1.224	0.136	0.000	6.61
45	21	706.7	1.156	0.136	1.670	5.44
45	22	650.0	1.207	0.156	0.078	6.22
45	23	620.0	1.071	0.147	0.078	5.28
45	24	600.0	1.037	0.161	0.389	5.91
45	25	583.3	1.122	0.117	0.233	7.30
46	3	553.3	1.122	.	0.080	7.30
46	4	563.3	0.969	.	.	.
46	9	503.3	0.650	.	0.000	4.74
46	11	510.0	0.918	.	.	.
46	12	540.0	1.003	.	1.170	1.24
46	17	550.0	0.995	.	.	.
46	20	506.7	0.756	.	0.000	3.03
46	21	560.0	0.952	.	0.000	7.69
46	22	453.3	0.680	.	1.010	0.55
46	23	430.0	0.762	.	1.170	1.39
46	24	416.7	0.746	.	0.000	2.56
46	25	373.3	0.748	.	0.230	4.35
46	26	546.7	0.952	.	0.000	7.07
47	1	7225.0	7.590	0.029	1.240	0.00

DEFIANCE COUNTY PAULDING SOIL WATERSHEDS-RUNOFF

---------- PLOT=SHININGER (701) YEAR=85 ----------

EVENT	SAMPLE #	MONTH	DAY	TIME HR.MIN.	INTERVAL (MIN.)	STAGE (IN.)
47	2	4	5	1700	60	7.4
47	3	4	5	1800	60	10.4
47	4	4	5	1900	60	10.4
47	5	4	5	2000	60	5.4
47	6	4	5	2100	60	3.6
47	7	4	5	2200	60	2.6
47	8	4	5	2300	60	1.8
47	9	4	5	2400	60	1.5
47	10	4	6	100	60	1.3
47	11	4	6	200	60	0.9
47	12	4	6	300	60	0.7
47	13	4	6	400	60	0.7
47	14	4	6	500	60	0.6
47	15	4	6	600	60	0.6
47	16	4	6	700	60	0.4
47	17	4	6	800	60	0.3
47	18	4	6	900	60	0.3
47	19	4	6	1000	60	0.2
47	20	4	6	1100	60	0.2
47	21	4	6	1200	60	0.2
47	22	4	6	1300	60	0.2

EVENT	SAMPLE #	SEDIMENT CONC. (MG/L)	TOTAL P CONC. (MG/L)	ORTHO P CONC. (MG/L)	NH3N CONC. (MG/L)	NO3N CONC. (MG/L)
47	2	7155	7.68	0.198	0.00	0.16
47	3	2695	3.38	0.169	0.00	1.71
47	4	2075	3.07	0.213	1.55	0.00
47	5	1820	2.60	0.110	0.00	0.47
47	6	1535	2.04	0.103	0.00	2.33
47	7	1155	1.69	0.110	0.00	2.02
47	8	1085	1.65	110.000	0.00	1.71
47	9	1320	2.02	0.176	0.00	1.09
47	10	920	1.53	0.257	0.00	1.24
47	11	1010	1.61	0.110	0.00	1.09
47	12	785	1.35	0.095	0.00	1.71
47	13	805	1.31	0.026	0.00	2.02
47	14	705	1.21	0.004	0.16	2.48
47	15	665	3.06	0.077	0.16	3.73
47	16	645	1.19	0.121	0.16	2.48
47	17	670	1.12	0.011	0.00	2.95
47	18	540	1.09	0.158	0.16	3.41
47	19	575	1.10	0.007	0.00	3.26
47	20	605	1.10	0.000	0.00	3.57
47	21	575	1.07	0.004	0.00	4.51
47	..	595	1.34	0.055	0.00	2.95

Appendix C

Runoff Data From the Rainulator Study in Defiance County (1983)

D = Dry run

V = Very wet run

W = Wet run

X1-X5 = Extra Inflow

DIP = Dissolved inorganic phosphorus

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=MOLDBOARD PLOW RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
1	D	0.00	0.0000	0.0000	0.0000	0.0000	0.00
1	D	100.96	0.0013	0.2240	0.2992	8.8820	11.86
1	D	244.75	0.0042	0.2240	0.9411	8.8820	37.32
1	D	421.59	0.0038	0.2240	0.8408	8.8820	33.34
1	D	611.27	0.0038	0.2240	0.8408	8.8820	33.34
1	D	793.00	0.0042	0.2240	0.9514	8.8820	37.72
1	D	962.49	0.0043	0.2240	0.9617	8.8820	38.13
1	D	1262.49	0.0041	0.2113	0.8612	9.1460	37.27
1	D	1339.41	0.0040	0.1813	0.7288	9.7711	39.27
1	D	1431.19	0.0103	0.1455	1.5009	10.5170	108.46
1	D	1546.83	0.0323	0.1081	3.4884	10.6848	344.73
1	D	1633.72	0.0957	0.1139	10.8990	7.4062	708.61
1	D	1679.61	0.1732	0.1170	20.2634	5.6746	983.02
1	D	1790.97	0.3310	0.1244	41.1748	1.4726	487.40
1	D	1866.24	0.3993	0.1258	50.2323	1.5000	599.00
1	D	1990.45	0.4553	0.1217	55.3866	1.3000	592.00
1	D	2064.49	0.4696	0.1192	55.9720	1.2500	587.00
1	D	2162.39	0.4648	0.1170	54.3843	0.2425	112.70
1	D	2278.64	0.4399	0.1170	51.4679	1.1128	489.54
1	D	2372.26	0.4518	0.1170	52.8658	1.8137	819.52
1	D	2492.19	0.4723	0.0948	44.7790	2.7618	1304.26
1	D	2599.27	0.4882	0.0566	27.6453	3.6498	1781.82
1	D	2772.43	0.5053	0.0210	10.6276	4.7201	2385.11
1	D	2904.60	0.5112	0.0554	28.3195	4.6770	2390.98
1	D	2973.13	0.5103	0.0732	37.3616	4.6546	2375.29
1	D	3133.44	0.5062	0.0914	46.2922	4.2657	2159.34
1	D	3373.91	0.5067	0.0980	49.6534	3.5620	1804.75
1	D	3541.57	0.5131	0.0980	50.2792	3.5620	1827.49
1	D	3600.00	0.4802	0.0980	47.0591	3.5620	1710.45
1	D	3600.60	0.4802	0.1270	60.9847	2.1220	1019.00
1	D	3749.60	0.2903	0.1270	36.8740	2.1220	616.10
1	D	3960.70	0.0902	0.1270	11.4586	2.1220	191.50
1	D	4226.87	0.0331	0.1270	4.2013	2.1220	70.20
1	D	4526.87	0.0164	0.1270	2.0776	2.1220	34.70
1	D	4546.89	0.0152	0.1270	1.9360	2.1220	32.30
1	D	4846.89	0.0046	0.1270	0.5896	2.1220	9.85
1	D	4978.26	0.0000	0.1270	0.0000	2.1220	0.00
1	V	0.00	0.0000	0.0000	0.0000	0.0000	0.00
1	V	13.46	0.0143	0.1170	1.6787	1.9030	27.30
1	V	129.72	0.0945	0.1170	11.0608	1.9030	179.90
1	V	218.44	0.2631	0.1170	30.7794	1.9030	500.63
1	V	291.87	0.4467	0.1170	52.2644	1.9030	850.08
1	V	348.77	0.4999	0.1164	58.1721	1.9793	989.41
1	V	448.51	0.5320	0.1130	60.1403	2.3849	1268.74
1	V	508.47	0.5418	0.1111	60.1682	2.6288	1424.30
1	V	688.37	0.5269	0.1052	55.4525	3.2749	1725.47
1	V	829.10	0.5259	0.1010	53.1344	3.6413	1915.12
1	V	961.26	0.5292	0.0970	51.3091	3.6548	1934.09
1	V	1108.12	0.5376	0.0921	49.4916	2.4844	1335.58

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=MOLDBOARD PLOW RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC. (UG/ML)	TOTAL P LOAD (UG/SEC)
1	V	1295.96	0.5348	0.0794	42.4747	2.0603	1101.79
1	V	1408.55	0.5195	0.0648	33.6562	2.9944	1555.51
1	V	1540.72	0.5099	0.0490	24.9829	4.0020	2040.44
1	V	1647.18	0.5108	0.0490	25.0276	4.0020	2044.09
1	V	1756.71	0.5273	0.0490	25.8393	4.0020	2110.39
1	V	1800.00	0.5121	0.0490	25.0948	4.0020	2049.56
1	V	1600.60	0.5121	0.0980	50.1896	3.5620	1824.24
1	V	1850.33	0.4062	0.0980	39.8101	3.5620	1446.98
1	V	1966.56	0.1755	0.0980	17.1974	3.5620	625.07
1	V	2123.23	0.0634	0.0980	6.2155	3.5620	225.91
1	V	2217.46	0.0079	0.0980	0.7744	3.5620	28.15
1	V	2517.46	0.0015	0.0980	0.1458	3.5620	5.30
1	V	2587.03	0.0000	0.0980	0.0000	3.5620	0.00
1	W	0.00	0.0000	0.0000	0.0000	0.0000	0.00
1	W	58.13	0.0066	0.1070	0.7010	1.4150	9.27
1	W	111.97	0.0293	0.1070	3.1360	1.4150	41.47
1	W	203.76	0.0556	0.1070	5.9492	1.4150	78.67
1	W	293.09	0.1096	0.1070	11.7310	1.4150	155.13
1	W	368.35	0.2434	0.1096	26.6676	1.6148	393.07
1	W	408.74	0.3295	0.1122	36.9884	1.8252	601.45
1	W	510.31	0.4562	0.1190	54.2913	2.3544	1073.96
1	W	673.68	0.5204	0.1354	70.4854	3.1057	1616.20
1	W	829.10	0.5329	0.1655	88.1930	3.5600	1897.19
1	W	983.29	0.5366	0.1729	92.7976	3.8983	2092.04
1	W	1128.31	0.5432	0.1401	76.0778	4.0163	2181.72
1	W	1349.20	0.5381	0.1095	58.8904	3.9826	2142.84
1	W	1551.73	0.5399	0.0980	52.9130	3.8060	2054.97
1	W	1696.13	0.5324	0.0980	52.1798	3.8060	2026.49
1	W	1800.00	0.5017	0.0980	49.1645	3.8060	1909.39
1	W	1800.60	0.5017	0.1600	80.2700	3.4650	1738.32
1	W	2100.60	0.1337	0.1600	21.3900	3.4650	463.34
1	W	2123.84	0.1052	0.1600	16.8300	3.4650	364.58
1	W	2423.84	0.0357	0.1600	5.7100	3.4650	123.61
1	W	2427.33	0.0349	0.1600	5.5800	3.4650	120.81
1	W	2727.33	0.0190	0.1600	3.0400	3.4650	65.86
1	W	3027.33	0.0032	0.1600	0.5100	3.4650	10.92
1	W	3086.94	0.0000	0.0000	0.0000	3.4650	0.00
1	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.00
1	X2	42.89	0.0001	0.0880	0.0050	2.5380	0.14
1	X2	93.75	0.0222	0.0880	1.9552	2.5380	56.39
1	X2	134.20	0.0728	0.0880	6.4042	2.5380	184.70
1	X2	145.84	0.4107	0.0880	36.1381	2.5380	1042.26
1	X2	169.12	0.8230	0.0880	72.4198	2.5380	2088.65
1	X2	209.57	1.0164	0.0880	89.4401	2.5380	2579.53
1	X2	265.33	1.1934	0.0790	94.2936	2.3693	2627.58
1	X2	393.40	1.2642	0.0582	73.5746	1.9786	2501.42
1	X2	479.18	1.2844	0.0490	62.9347	1.8060	2319.59
1	X2	571.10	1.2685	0.0490	62.1573	1.8060	2290.94
1	X2	577.84	0.0000	0.0490	0.0000	1.8060	0.00

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=MOLDBOARD PLOW RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
1	X3	0.00	0.0000	0.0000	0.0000	0.0000	0.0
1	X3	17.16	1.2721	0.0000	0.0000	0.6830	868.9
1	X3	56.37	1.3637	0.0000	0.0000	0.6830	931.4
1	X3	103.56	1.5746	0.0000	0.0000	0.6830	1075.5
1	X3	155.03	1.7236	0.0000	0.0000	0.6830	1177.2
1	X3	227.34	1.7362	0.0000	0.0000	0.6725	1167.5
1	X3	398.30	1.7337	0.0000	0.0000	0.5685	985.5
1	X3	489.60	1.7649	0.0000	0.0000	0.5370	947.7
1	X3	570.49	1.7657	0.0000	0.0000	0.5370	948.2
1	X3	600.00	0.0000	0.0000	0.0000	0.5370	0.0
1	X3	600.60	0.0000	0.0000	0.0000	0.0000	0.0
1	X4	0.00	0.0000	0.0000	0.0000	0.0000	0.0
1	X4	33.70	2.5310	0.0200	50.6205	4.0990	10374.7
1	X4	98.66	2.8364	0.0200	56.7272	4.0990	11626.2
1	X4	398.66	2.8350	0.0043	12.1302	1.2220	3464.4
1	X4	570.49	2.8342	0.0000	0.0000	0.4390	1244.2
1	X4	589.48	0.0000	0.0000	0.0000	0.4390	0.0
1	X5	0.00	0.0000	0.0000	0.0000	0.0000	0.0
1	X5	15.93	2.8406	0.0000	0.0000	0.2440	693.1
1	X5	315.93	2.8389	0.0000	0.0000	0.2007	569.9
1	X5	584.58	2.8374	0.0000	0.0000	0.1460	414.3
1	X5	600.00	1.8410	0.0000	0.0000	0.1460	268.8
1	X5	600.60	1.8410	0.0000	0.0000	0.0000	0.0
2	D	0.00	0.0000	0.0000	0.0000	0.0000	0.0
2	D	65.61	0.0011	0.1170	0.1320	6.0020	6.8
2	D	148.99	0.0067	0.1170	0.7879	6.0020	40.4
2	D	329.25	0.0099	0.1170	1.1529	6.0020	59.1
2	D	629.07	0.0398	0.1170	4.6541	6.0020	238.8
2	D	859.61	0.0730	0.1132	8.2652	5.6660	413.8
2	D	1159.61	0.1051	0.1082	11.3737	5.2270	549.6
2	D	1177.21	0.1070	0.1079	11.5462	5.2012	556.7
2	D	1477.21	0.1470	0.1235	18.1515	4.9229	723.7
2	D	1516.27	0.1522	0.1261	19.1905	4.8912	744.4
2	D	1760.30	0.2107	0.1047	22.0721	3.7561	791.6
2	D	2060.12	0.2831	0.0750	21.2272	3.4160	967.0
2	D	2147.80	0.3599	0.0680	24.4763	3.6158	1301.5
2	D	2336.03	0.4610	0.0680	31.3503	5.7283	2641.0
2	D	2636.03	0.4929	0.0282	13.8846	5.0070	2468.1
2	D	2668.96	0.4964	0.0218	10.8227	4.7232	2344.7
2	D	2968.96	0.5154	0.0251	12.9546	2.9528	1521.9
2	D	3036.23	0.5197	0.0290	15.0706	2.6330	1368.3
2	D	3242.85	0.5378	0.0290	15.5964	2.5662	1380.1
2	D	3542.85	0.5500	0.0290	15.9494	2.5380	1395.8
2	D	3591.72	0.5520	0.0290	16.0069	2.5380	1400.9
2	D	3600.00	0.3849	0.0290	11.1635	2.5380	977.0
2	D	3600.60	0.3849	0.0200	7.6990	3.4160	1315.0
2	D	3900.60	0.1343	0.0200	2.6852	3.4160	458.6
2	D	3911.78	0.1249	0.0200	2.4984	3.4160	426.7
2	D	4109.21	0.0604	0.0200	1.2084	3.4160	206.4

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=MOLDBOARD PLOW RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC. (UG/ML)	TOTAL P LOAD (UG/SEC)
2	D	4409.21	0.0438	0.0200	0.8753	3.4160	149.50
2	D	4709.21	0.0271	0.0200	0.5422	3.4160	92.61
2	D	5009.21	0.0105	0.0200	0.2091	3.4160	35.71
2	D	5197.51	0.0000	0.0200	0.0000	3.4160	0.00
2	V	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	V	28.20	0.0139	0.0980	1.3620	3.3180	46.11
2	V	125.08	0.1610	0.0980	15.7813	3.3180	534.31
2	V	220.11	0.2564	0.0980	25.1317	3.3180	850.89
2	V	494.80	0.5280	0.1139	60.1558	3.6130	1907.67
2	V	794.60	0.5837	0.1484	86.6313	2.8096	1639.92
2	V	813.63	0.5872	0.1509	88.5871	2.6902	1579.61
2	V	1018.41	0.5950	0.1631	97.0216	2.4265	1443.83
2	V	1318.41	0.6076	0.1531	93.0011	2.9867	1814.86
2	V	1479.49	0.6144	0.1477	90.7384	1.9387	1191.14
2	V	1608.86	0.6020	0.1460	87.8850	1.6100	969.14
2	V	1800.00	0.5735	0.1460	83.7365	1.6100	923.40
2	V	1800.60	0.5735	0.1070	61.3685	3.1230	1791.16
2	V	1976.12	0.2656	0.1070	28.4211	3.1230	829.52
2	V	2267.97	0.0999	0.1070	10.6908	3.1230	312.03
2	V	2567.97	0.0283	0.1070	3.0305	3.1230	88.45
2	V	2673.87	0.0031	0.1070	0.3265	3.1230	9.53
2	V	2973.87	0.0016	0.1070	0.1721	3.1230	5.02
2	V	3035.61	0.0013	0.1070	0.1403	3.1230	4.10
2	V	3335.61	0.0006	0.1070	0.0677	3.1230	1.98
2	V	3615.63	0.0000	0.1070	0.0000	3.1230	0.00
2	W	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	W	41.08	0.0034	0.0000	0.0000	3.3670	11.37
2	W	103.62	0.0820	0.0000	0.0000	3.3670	276.23
2	W	176.58	0.1639	0.0000	0.0000	3.3670	552.01
2	W	476.58	0.4083	0.0332	13.5674	3.4623	1413.81
2	W	572.05	0.4861	0.0549	26.6711	3.5243	1713.26
2	W	798.30	0.5872	0.0630	36.9630	3.5076	2059.55
2	W	889.65	0.6099	0.0602	36.7230	3.4780	2121.30
2	W	1052.13	0.6204	0.0509	31.5539	3.0477	1890.91
2	W	1286.35	0.5726	0.0428	24.4812	2.4400	1397.07
2	W	1432.27	0.5940	0.0525	31.1785	2.4400	1449.47
2	W	1547.54	0.6079	0.0590	35.8671	2.4400	1483.32
2	W	1773.79	0.5774	0.0590	34.0676	2.4400	1408.90
2	W	1800.00	0.4199	0.0590	24.7716	2.4400	1024.45
2	W	1800.60	0.4199	0.0490	20.5730	2.1470	901.43
2	W	1971.83	0.2176	0.0490	10.6633	2.1470	467.22
2	W	2224.44	0.0906	0.0490	4.4389	2.1470	194.50
2	W	2524.44	0.0564	0.0490	2.7651	2.1470	121.16
2	W	2775.65	0.0278	0.0490	1.3635	2.1470	59.74
2	W	3075.65	0.0187	0.0490	0.9157	2.1470	40.12
2	W	3248.37	0.0134	0.0490	0.6579	2.1470	28.83
2	W	3548.37	0.0072	0.0490	0.3510	2.1470	15.36
2	W	3848.37	0.0009	0.0490	0.0442	2.1470	1.93
2	W	3891.54	0.0000	0.0490	0.0000	2.1470	0.00

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=MOLDBOARD PLOW RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	X2	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X2	26.96	0.0035	0.0290	0.101	3.1230	10.90
2	X2	96.81	0.1398	0.0290	4.055	3.1230	436.74
2	X2	153.79	0.2404	0.0290	6.971	3.1230	750.69
2	X2	204.65	0.8525	0.0290	24.721	3.1230	2662.23
2	X2	267.76	1.1178	0.0831	92.938	3.2874	3674.51
2	X2	355.37	1.2357	0.1653	204.245	3.5367	4370.28
2	X2	450.96	1.2813	0.2540	325.459	3.8060	4876.76
2	X2	580.24	1.2734	0.2540	323.452	3.8060	4846.68
2	X2	594.33	1.2083	0.2540	306.903	3.8060	4598.72
2	X2	600.00	1.0725	0.2540	272.416	3.8060	4081.96
2	X2	600.60	1.0725	0.0000	0.000	0.0000	0.00
2	X3	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X3	22.06	0.1264	0.2930	37.023	2.0500	259.04
2	X3	86.39	0.2550	0.2930	74.721	2.0500	522.79
2	X3	136.64	0.4800	0.2930	140.654	2.0500	984.10
2	X3	165.43	1.1619	0.2930	340.437	2.0500	2381.90
2	X3	200.97	1.5062	0.2930	441.324	2.0500	3087.76
2	X3	281.85	1.6653	0.2870	477.975	1.8162	3024.59
2	X3	370.08	1.7115	0.2797	478.652	1.5291	2617.09
2	X3	572.89	1.7107	0.2730	467.026	1.2690	2170.90
2	X3	600.00	0.0000	0.2730	0.000	1.2690	0.00
2	X3	600.60	0.0000	0.0000	0.000	0.0000	0.00
2	X4	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X4	3.68	1.7182	0.1660	285.221	0.8780	1506.58
2	X4	49.02	2.4035	0.1660	398.985	0.8780	2110.30
2	X4	153.18	2.4252	0.1660	402.583	0.8780	2129.33
2	X4	240.80	2.5229	0.1523	384.166	0.8154	2057.15
2	X4	540.80	2.7380	0.0590	161.543	0.3900	1067.83
2	X4	581.47	2.7672	0.0590	163.264	0.3900	1079.20
2	X4	593.11	0.0000	0.0590	0.000	0.3900	0.00
2	X5	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X5	7.35	2.7703	0.2930	811.711	0.5860	1623.42
2	X5	307.35	2.7698	0.3048	844.141	0.6253	1732.10
2	X5	600.00	2.7693	0.3220	891.716	0.6830	1891.43
2	X5	600.60	2.7693	0.0000	0.000	0.0000	0.00
3	D	0.00	0.0000	0.0000	0.000	0.0000	0.00
3	D	89.42	0.0000	0.1370	0.002	11.8100	0.20
3	D	159.85	0.0012	0.1370	0.164	11.8100	14.13
3	D	384.01	0.0023	0.1370	0.314	11.8100	27.06
3	D	463.01	0.0052	0.1370	0.716	11.8100	61.72
3	D	584.89	0.0062	0.1370	0.844	11.8100	72.73
3	D	716.57	0.0107	0.1566	1.673	10.4855	111.97
3	D	873.36	0.0308	0.1922	5.925	8.0866	249.34
3	D	1171.01	0.0585	0.2130	12.466	5.0268	294.15
3	D	1471.01	0.1083	0.2383	25.813	4.6467	503.34
3	D	1474.79	0.1090	0.2387	26.003	4.6491	506.53
3	D	1774.79	0.1552	0.2522	39.130	5.1232	795.02
3	D	1776.11	0.1554	0.2522	39.189	5.1255	796.43

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=MOLDBOARD PLOW RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	D	1956.79	0.1848	0.2540	46.936	5.1806	957.31
3	D	2142.97	0.2090	0.2548	53.249	4.9024	1024.44
3	D	2332.22	0.2306	0.2668	61.517	1.6701	385.06
3	D	2506.77	0.2463	0.2756	67.884	1.2237	301.46
3	D	2646.41	0.2702	0.2802	75.710	3.4496	932.03
3	D	2815.45	0.2852	0.2776	79.164	4.6988	1340.03
3	D	2910.99	0.3105	0.2715	84.314	4.6058	1430.14
3	D	2971.62	0.3232	0.2677	86.522	4.5468	1469.58
3	D	3028.58	0.3428	0.2641	90.521	4.4914	1539.50
3	D	3328.58	0.3551	0.2441	86.681	5.0722	1801.22
3	D	3421.16	0.3589	0.2440	87.578	5.0750	1821.54
3	D	3587.14	0.3674	0.2440	89.634	5.0750	1864.31
3	D	3600.00	0.2709	0.2440	66.094	5.0750	1374.69
3	D	3600.60	0.2709	0.2730	73.949	3.8060	1030.95
3	D	3754.95	0.1133	0.2730	30.924	3.8060	431.12
3	D	3956.45	0.0328	0.2730	8.963	3.8060	124.96
3	D	4256.45	0.0182	0.2730	4.966	3.8060	69.23
3	D	4348.42	0.0137	0.2730	3.740	3.8060	52.15
3	D	4648.42	0.0100	0.2730	2.730	3.8060	38.07
3	D	4948.42	0.0063	0.2730	1.720	3.8060	23.96
3	D	5248.42	0.0026	0.2730	0.710	3.8060	9.90
3	D	5459.41	0.0000	0.2730	0.000	3.8060	0.00
3	V	0.00	0.0000	0.0000	0.000	0.0000	0.00
3	V	38.55	0.0028	0.2240	0.620	5.7100	15.60
3	V	146.85	0.0597	0.2240	13.364	5.7100	340.67
3	V	271.68	0.1964	0.2240	44.004	5.7100	1121.70
3	V	401.39	0.3925	0.2288	89.784	5.4544	2140.75
3	V	558.65	0.4573	0.2392	109.399	4.8914	2236.71
3	V	855.41	0.4618	0.2515	116.150	4.2325	1954.59
3	V	1100.16	0.4881	0.2041	99.613	3.8778	1892.72
3	V	1208.46	0.4970	0.1723	85.646	3.7370	1857.38
3	V	1469.13	0.4806	0.1429	68.675	3.6699	1763.91
3	V	1769.13	0.4779	0.1370	65.468	3.6600	1748.99
3	V	1770.17	0.4779	0.1370	65.466	3.6600	1748.95
3	V	1800.00	0.4890	0.1370	66.997	3.6600	1789.84
3	V	1800.60	0.4890	0.0680	33.254	2.9770	1455.84
3	V	1879.70	0.3429	0.0680	23.316	2.9770	1020.75
3	V	2077.95	0.0939	0.0680	6.385	2.9770	279.55
3	V	2224.80	0.0126	0.0680	0.858	2.9770	37.55
3	V	2524.80	0.0048	0.0680	0.325	2.9770	14.22
3	W	0.00	0.0000	0.0000	0.000	0.0000	0.00
3	W	80.16	0.0029	0.2150	0.634	8.0520	23.74
3	W	146.24	0.0283	0.2150	6.094	8.0520	228.22
3	W	260.66	0.0576	0.2150	12.383	8.0520	463.77
3	W	367.13	0.1263	0.2161	27.294	7.6225	962.69
3	W	559.26	0.3260	0.2219	72.328	5.4002	1760.38
3	W	749.55	0.4582	0.2360	108.109	4.3700	2002.22
3	W	846.23	0.4469	0.2456	109.777	4.1986	1876.46
3	W	1035.30	0.4483	0.2196	98.441	4.0332	1807.95

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=MOLDBOARD PLOW RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	W	1158.90	0.4429	0.1792	79.38	4.0134	1777.60
3	W	1321.05	0.4928	0.1797	88.54	4.0612	2001.28
3	W	1437.31	0.4728	0.2099	99.24	4.1368	1955.77
3	W	1672.27	0.3904	0.2340	91.35	4.1970	1638.49
3	W	1746.92	0.4297	0.2340	100.55	4.1970	1803.38
3	W	1800.00	0.4600	0.2340	107.64	4.1970	1930.57
3	W	1800.60	0.4600	0.2050	94.30	2.7000	1242.00
3	W	1958.63	0.1982	0.2050	40.63	2.7000	535.10
3	W	2058.37	0.0894	0.2050	18.32	2.7000	241.40
3	W	2259.06	0.0342	0.2050	7.01	2.7000	92.30
3	W	2490.35	0.0154	0.2050	3.15	2.7000	41.60
3	W	2790.35	0.0039	0.2050	0.81	2.7000	10.50
3	W	2893.58	0.0000	0.2050	0.00	2.7000	0.00
3	X2	0.00	0.0000	0.0000	0.00	0.0000	0.00
3	X2	34.27	0.0037	0.2440	0.90	3.7580	13.88
3	X2	135.84	0.0637	0.2440	15.54	3.7580	239.27
3	X2	172.55	0.1436	0.2440	35.03	3.7580	539.49
3	X2	264.33	0.8744	0.2329	203.65	3.4485	3015.37
3	X2	288.81	0.9617	0.2279	219.19	3.3091	3182.49
3	X2	400.17	1.1102	0.2052	227.79	2.6748	2969.72
3	X2	500.52	1.1458	0.1950	223.44	2.3910	2739.67
3	X2	595.36	1.1204	0.1950	218.47	2.3910	2678.77
3	X2	600.00	1.0980	0.1950	214.12	2.3910	2625.42
3	X2	600.60	1.0980	0.0000	0.00	0.0000	0.00
3	X3	0.00	0.0000	0.0000	0.00	0.0000	0.00
3	X3	31.82	0.0930	0.2930	27.26	2.6350	245.13
3	X3	89.95	0.1757	0.2930	51.47	2.6350	462.90
3	X3	165.21	1.0485	0.2930	307.22	2.6350	2762.67
3	X3	212.32	1.4558	0.2926	425.99	2.6260	3822.84
3	X3	256.38	1.5969	0.2855	455.84	2.4559	3921.66
3	X3	401.39	1.6780	0.2619	439.47	1.8957	3181.05
3	X3	591.69	1.6363	0.2540	415.62	1.7080	2794.77
3	X3	600.00	1.6336	0.2540	414.94	1.7080	2790.25
3	X4	0.00	0.0000	0.0000	0.00	0.0000	0.00
3	X4	85.05	0.1917	0.3510	67.29	1.5620	299.44
3	X4	121.76	1.0422	0.3510	365.83	1.5620	1627.99
3	X4	150.52	2.1610	0.3510	758.50	1.5620	3375.44
3	X4	297.37	2.5344	0.3368	853.58	1.3665	3463.23
3	X4	414.24	2.8111	0.3178	893.41	1.1050	3106.32
3	X4	596.58	2.8534	0.3120	890.26	1.0250	2924.75
3	X4	600.00	2.2872	0.3120	713.62	1.0250	2344.42
3	X5	0.00	0.0000	0.0000	0.00	0.0000	0.00
3	X5	68.53	0.6276	0.3420	214.62	0.9270	581.74
3	X5	115.03	3.2286	0.3420	1104.18	0.9270	2992.92
3	X5	415.03	3.2227	0.1165	375.32	0.6357	2048.56
3	X5	600.00	3.2186	0.0780	251.05	0.5860	1886.07
3	X5	600.60	3.2186	0.0000	0.00	0.0000	0.00

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=FURR ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	D	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	D	128.70	0.0002	0.1170	0.0184	10.6800	1.676
2	D	264.37	0.0026	0.1170	0.3079	10.6800	28.107
2	D	581.61	0.0120	0.1170	1.4061	10.6800	128.354
2	D	732.99	0.0213	0.1170	2.4872	7.5161	159.776
2	D	770.99	0.0231	0.1170	2.7075	6.3488	146.919
2	D	774.67	0.0208	0.1170	2.4359	6.2358	129.829
2	D	1009.40	0.0221	0.1196	2.6390	2.7039	59.639
2	D	1123.39	0.0385	0.1234	4.7513	4.4841	172.589
2	D	1288.87	0.0534	0.1193	6.3754	6.0436	322.846
2	D	1588.87	0.0706	0.0957	6.7568	5.5545	392.366
2	D	1598.98	0.0712	0.0970	6.9060	5.5446	394.886
2	D	1879.67	0.0968	0.1205	11.6650	5.2544	508.477
2	D	2176.30	0.1086	0.0820	8.9026	4.3414	471.453
2	D	2476.30	0.1100	0.0445	4.8990	1.6795	184.792
2	D	2490.09	0.1101	0.0432	4.7551	1.8455	203.161
2	D	2780.59	0.1110	0.0215	2.3876	4.1497	460.436
2	D	3080.59	0.1120	0.0422	4.7229	1.2607	141.253
2	D	3080.90	0.1120	0.0422	4.7319	1.2607	141.248
2	D	3185.70	0.1069	0.0695	7.4270	1.2436	132.927
2	D	3376.92	0.1073	0.1070	11.4828	1.2200	130.926
2	D	3506.84	0.1114	0.1070	11.9188	1.2200	135.896
2	D	3600.00	0.1129	0.1070	12.0815	1.2200	137.752
2	D	3600.60	0.1129	0.0200	2.2582	0.1460	16.485
2	D	3786.31	0.0917	0.0200	1.8349	0.1460	13.395
2	D	4086.31	0.0385	0.0200	0.7695	0.1460	5.617
2	D	4302.96	0.0000	0.0200	0.0000	0.1460	0.000
2	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	V	36.74	0.0071	0.0880	0.6280	4.9780	35.522
2	V	124.91	0.0245	0.0880	2.1588	4.9780	122.116
2	V	203.89	0.0430	0.0880	3.7833	4.9780	214.013
2	V	275.53	0.0513	0.0880	4.5110	4.9780	255.180
2	V	564.54	0.0858	0.0880	7.5501	4.4433	381.214
2	V	864.54	0.1077	0.0802	8.6337	3.4934	376.161
2	V	878.03	0.1087	0.0797	8.6637	3.4474	374.594
2	V	1174.39	0.1156	0.1098	12.6925	3.7466	433.206
2	V	1459.72	0.1205	0.0274	3.3044	0.9031	108.874
2	V	1759.72	0.1219	0.0000	0.0000	0.0000	0.000
2	V	1773.21	0.1219	0.0000	0.0000	0.0000	0.000
2	V	1799.54	0.1136	0.0000	0.0000	0.0000	0.000
2	V	1800.00	0.0941	0.0000	0.0000	0.0000	0.000
2	V	1800.60	0.0941	0.0290	2.7300	2.8300	266.414
2	V	2057.93	0.0121	0.0290	0.3499	2.8300	34.144
2	V	2325.50	0.0010	0.0290	0.0293	2.8300	2.861
2	V	2456.54	0.0000	0.0290	0.0000	2.8300	0.000
2	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	W	106.54	0.0024	0.1070	0.2570	0.3000	0.720
2	W	277.98	0.0367	0.1070	3.9278	0.3000	11.000
2	W	435.34	0.0596	0.1105	6.5876	0.4628	27.588

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=FURR ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	W	568.21	0.0767	0.1149	8.8165	1.0465	80.28
2	W	720.06	0.0941	0.1170	11.0143	1.2300	115.79
2	W	882.93	0.1046	0.1170	12.2418	1.0710	112.06
2	W	1181.73	0.1143	0.1086	12.4145	3.9728	454.11
2	W	1462.17	0.1196	0.0397	4.7466	4.0094	479.72
2	W	1762.17	0.1203	0.0200	2.4060	3.8550	463.75
2	W	1773.21	0.1203	0.0200	2.4065	3.8550	463.85
2	W	1800.00	0.1117	0.0200	2.2336	3.8550	430.53
2	W	1800.60	0.1117	0.0490	5.4724	3.8000	424.50
2	W	1899.96	0.0899	0.0490	4.4063	3.8000	341.60
2	W	2174.88	0.0373	0.0490	1.8263	3.8000	141.70
2	W	2474.88	0.0195	0.0490	0.9560	3.8000	74.10
2	W	2494.50	0.0183	0.0490	0.8991	3.8000	69.50
2	W	2794.50	0.0079	0.0490	0.3880	3.8000	30.00
2	X1	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	X1	143.36	0.0003	0.0880	0.0238	8.5400	2.31
2	X1	179.51	0.0741	0.0880	6.5186	8.5400	632.60
2	X1	211.98	0.2144	0.0875	18.7588	8.4695	1815.48
2	X1	257.93	0.2639	0.0762	20.1102	6.8345	1803.31
2	X1	297.75	0.2714	0.0664	18.0260	5.4174	1470.10
2	X1	411.71	0.2906	0.0384	11.1638	1.3625	395.98
2	X1	526.89	0.2982	0.0290	8.6466	1.0000	298.20
2	X1	583.25	0.2800	0.0290	8.1210	1.0000	280.00
2	X1	600.00	0.0000	0.0290	0.0000	1.0000	0.00
2	X1	600.60	0.0000	0.0000	0.0000	0.0000	0.00
2	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	X2	20.83	0.2885	0.0000	0.0000	1.1220	323.68
2	X2	61.27	0.5575	0.0000	0.0000	1.1220	625.46
2	X2	88.84	0.8110	0.0000	0.0000	1.1220	909.99
2	X2	129.27	0.8770	0.0000	0.0000	1.1220	983.96
2	X2	261.61	0.8878	0.0000	0.0000	0.9751	865.72
2	X2	369.43	0.9019	0.0000	0.0000	0.6683	602.72
2	X2	561.20	0.9032	0.0000	0.0000	0.4390	396.50
2	X2	585.09	0.8668	0.0000	0.0000	0.4390	380.54
2	X2	600.00	0.3146	0.0000	0.0000	0.4390	138.13
2	X2	600.60	0.3146	0.0000	0.0000	0.0000	0.00
2	X3	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	X3	68.01	0.0031	0.0100	0.0313	0.6830	2.14
2	X3	87.00	0.5910	0.0100	5.9103	0.6830	403.67
2	X3	121.31	1.3020	0.0100	13.0196	0.6830	889.24
2	X3	157.45	1.3909	0.0100	13.9086	0.6830	949.96
2	X3	279.99	1.4168	0.0071	10.0367	0.5836	826.80
2	X3	393.33	1.4845	0.0024	3.5054	0.4225	627.23
2	X3	577.13	1.5055	0.0000	0.0000	0.3420	514.67
2	X3	600.00	0.0000	0.0000	0.0000	0.3420	0.00
2	X3	600.60	0.0000	0.0000	0.0000	0.0000	0.00
2	X4	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	X4	0.61	1.6318	0.0000	0.0000	0.0000	0.00
2	X4	38.60	2.5048	0.0000	0.0000	0.0000	0.00

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=FURR ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	X4	101.70	2.8046	0.0000	0.0000	0.0000	0.00
2	X4	222.40	2.7363	0.0000	0.0000	0.0252	68.97
2	X4	346.77	2.7547	0.0000	0.0000	0.2781	766.07
2	X4	452.76	2.8338	0.0000	0.0000	0.4880	1382.89
2	X4	577.74	2.8326	0.0000	0.0000	0.4880	1382.32
2	X4	600.00	1.1780	0.0000	0.0000	0.4880	574.88
2	X4	600.60	1.1780	0.0000	0.0000	0.0000	0.00
2	X5	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	X5	20.63	0.0086	0.0000	0.0000	0.1950	1.68
2	X5	34.31	2.8667	0.0000	0.0000	0.1950	559.00
2	X5	72.29	2.9785	0.0000	0.0000	0.1950	580.81
2	X5	372.29	2.9723	0.0000	0.0000	0.1294	384.64
2	X5	594.28	2.9677	0.0000	0.0000	0.0980	290.64
2	X5	600.00	0.7672	0.0000	0.0000	0.0980	75.19
2	X5	600.60	0.7672	0.0000	0.0000	0.0000	0.00
3	D	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	D	68.05	0.0000	0.0780	0.0034	8.5900	0.38
3	D	118.94	0.0028	0.0780	0.2190	8.5900	24.11
3	D	283.66	0.0113	0.0780	0.8800	8.5900	96.91
3	D	416.89	0.0299	0.1090	3.2619	8.1938	245.22
3	D	568.94	0.0741	0.1632	12.0967	7.5004	555.87
3	D	688.49	0.0992	0.1680	16.6624	5.8140	576.51
3	D	851.57	0.1181	0.1207	14.2597	1.8881	222.99
3	D	1150.75	0.1314	0.0759	9.9772	1.6519	217.08
3	D	1450.75	0.1431	0.0614	8.7806	2.7476	393.07
3	D	1462.81	0.1435	0.0610	8.7574	2.7750	398.29
3	D	1762.81	0.1426	0.0512	7.3081	2.6626	379.75
3	D	1766.89	0.1426	0.0511	7.2880	2.6579	379.06
3	D	2053.20	0.1454	0.0564	8.2044	2.3323	339.03
3	D	2353.20	0.1467	0.0590	8.6531	2.4630	361.23
3	D	2373.23	0.1467	0.0590	8.6582	2.4826	364.31
3	D	2668.73	0.1454	0.0741	10.7743	2.3438	340.71
3	D	2968.73	0.1390	0.0159	2.2140	2.1770	302.58
3	D	3011.44	0.1381	0.0048	0.6662	2.1561	297.72
3	D	3292.23	0.1392	0.0087	1.2168	1.2939	180.12
3	D	3566.89	0.1376	0.0100	1.3763	1.1710	161.17
3	D	3600.00	0.1107	0.0100	1.1067	1.1710	129.59
3	D	3600.60	0.1107	0.0100	1.1067	2.0980	232.18
3	D	3900.60	0.0573	0.0100	0.5733	2.0980	120.29
3	D	3908.38	0.0560	0.0100	0.5595	2.0980	117.39
3	D	4208.38	0.0304	0.0100	0.3037	2.0980	63.72
3	D	4332.63	0.0198	0.0100	0.1978	2.0980	41.49
3	D	4632.63	0.0059	0.0100	0.0587	2.0980	12.32
3	D	4759.33	0.0000	0.0100	0.0000	2.0980	0.00
3	V	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	V	56.40	0.0047	0.0390	0.1838	3.2210	15.18
3	V	279.56	0.0513	0.0390	1.9997	3.2210	165.15
3	V	394.82	0.0779	0.0433	3.3740	3.0628	238.54
3	V	572.62	0.1119	0.0552	6.1734	2.6290	294.16

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=FURR ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	V	708.11	0.1270	0.0666	8.4548	2.3492	298.450
3	V	880.38	0.1273	0.0832	10.5885	2.0408	259.716
3	V	1180.38	0.1240	0.0880	10.9149	1.7484	216.854
3	V	1180.38	0.1240	0.0880	10.9149	1.7484	216.854
3	V	1180.79	0.1240	0.0880	10.9145	1.7480	216.805
3	V	1474.46	0.1230	0.0163	2.0034	1.8270	224.644
3	V	1774.46	0.1213	0.0000	0.0000	1.8540	224.874
3	V	1780.38	0.1213	0.0000	0.0000	1.8540	224.813
3	V	1800.00	0.1127	0.0000	0.0000	1.8540	208.961
3	V	1800.60	0.1127	0.0290	3.2685	2.0500	231.052
3	V	1942.23	0.0949	0.0290	2.7534	2.0500	194.635
3	V	2054.43	0.0071	0.0290	0.2046	2.0500	14.460
3	V	2152.52	0.0000	0.0290	0.0000	2.0500	0.000
3	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	W	89.51	0.0033	0.0590	0.1937	3.9530	12.975
3	W	271.59	0.0347	0.0590	2.0464	3.9530	137.110
3	W	411.99	0.0713	0.0615	4.3794	3.6595	260.765
3	W	553.61	0.1035	0.0657	6.7979	3.1525	326.141
3	W	690.33	0.1177	0.0680	8.0022	2.7609	327.249
3	W	857.70	0.1301	0.0680	8.8463	2.5086	326.351
3	W	1067.98	0.1275	0.0726	9.2548	2.3464	299.111
3	W	1177.72	0.1255	0.0763	9.5728	2.3109	290.093
3	W	1449.32	0.1208	0.0853	10.3085	2.4007	290.092
3	W	1749.32	0.1192	0.0880	10.4890	2.4400	290.830
3	W	1757.70	0.1191	0.0880	10.4849	2.4400	290.718
3	W	1800.00	0.1062	0.0880	9.3485	2.4400	259.209
3	W	1800.60	0.1062	0.0200	2.1247	2.0980	222.878
3	W	2100.60	0.0585	0.0200	1.1705	2.0980	122.781
3	W	2232.83	0.0375	0.0200	0.7499	2.0980	78.660
3	W	2532.83	0.0212	0.0200	0.4236	2.0980	44.436
3	W	2683.45	0.0130	0.0200	0.2598	2.0980	27.254
3	W	2983.45	0.0056	0.0200	0.1120	2.0980	11.747
3	W	3210.69	0.0000	0.0200	0.0000	2.0980	0.000
3	X1	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X1	39.19	0.0001	0.0680	0.0081	3.2700	0.388
3	X1	95.52	0.0067	0.0680	0.4556	3.2700	21.910
3	X1	172.67	0.0240	0.0680	1.6333	3.2700	78.544
3	X1	252.88	0.0937	0.0576	5.4018	2.8689	268.876
3	X1	285.94	0.1348	0.0496	6.6921	2.5596	345.021
3	X1	332.48	0.2009	0.0384	7.7144	2.1243	426.756
3	X1	388.20	0.2487	0.0249	6.2008	1.6031	398.650
3	X1	459.22	0.2797	0.0100	2.7969	1.0250	286.663
3	X1	503.31	0.2955	0.0100	2.9553	1.0250	302.918
3	X1	579.23	0.3026	0.0100	3.0255	1.0250	310.115
3	X1	581.68	0.0000	0.0100	0.0000	1.0250	0.000
3	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X2	89.40	0.1337	0.0780	10.4270	0.6830	91.303
3	X2	163.48	0.5276	0.0780	41.1552	0.6830	360.372
3	X2	189.20	0.6127	0.0780	47.7883	0.6830	418.454

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=FURR ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	X2	227.16	0.7256	0.0745	54.0574	0.6446	467.748
3	X2	267.57	0.7415	0.0662	49.1229	0.5542	410.940
3	X2	330.64	0.7520	0.0534	40.1354	0.4131	310.640
3	X2	401.67	0.8487	0.0389	32.9862	0.2541	215.686
3	X2	489.23	0.8534	0.0290	24.7483	0.1460	124.595
3	X2	566.37	0.8481	0.0290	24.5944	0.1460	123.820
3	X2	600.00	0.8440	0.0290	24.4750	0.1460	123.219
3	X2	600.60	0.8440	0.0000	0.0000	0.0000	0.000

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
1	D	0.00	0.0000	0.0000	0.0000	0.0000	0.000
1	D	55.09	0.0000	0.1560	0.0046	4.0000	0.000
1	D	166.49	0.0019	0.1560	0.2936	4.0000	7.600
1	D	466.49	0.0028	0.1869	0.5255	5.0000	14.000
1	D	572.30	0.0031	0.2109	0.6621	5.5000	17.100
1	D	597.40	0.0044	0.2166	0.9542	5.6000	24.600
1	D	667.79	0.0046	0.2265	1.0481	1.2356	5.717
1	D	735.12	0.0090	0.2310	2.0770	3.4370	30.902
1	D	815.30	0.0089	0.2364	2.0967	6.0588	53.746
1	D	907.73	0.0124	0.2425	3.0132	9.0808	112.826
1	D	1090.13	0.0116	0.2333	2.7076	8.8450	102.642
1	D	1192.35	0.0315	0.2265	7.1258	8.2297	258.898
1	D	1341.70	0.0670	0.2277	15.2648	7.8031	523.055
1	D	1529.00	0.0942	0.2340	22.0467	7.4678	703.691
1	D	1629.38	0.0989	0.2373	23.4781	7.1105	703.469
1	D	1776.89	0.1064	0.2422	25.7731	6.5829	700.420
1	D	1874.83	0.0985	0.2265	22.3180	6.4951	639.936
1	D	2035.81	0.1070	0.1637	17.5253	6.8616	734.421
1	D	2254.32	0.1242	0.1441	17.8971	6.8270	848.180
1	D	2430.60	0.1293	0.1682	21.7586	6.4740	837.306
1	D	2518.75	0.1155	0.1803	20.8223	6.2975	727.167
1	D	2560.37	0.0967	0.1860	17.9914	6.2142	600.961
1	D	2599.54	0.1016	0.1914	19.4467	6.1357	623.367
1	D	2643.61	0.0869	0.1975	17.1560	6.0475	525.433
1	D	2700.00	0.0750	0.2052	15.3846	5.9345	444.950
1	D	2700.60	0.0750	0.2053	15.3907	5.9333	444.860
1	D	2857.84	0.0465	0.2268	10.5401	5.6184	261.054
1	D	2675.59	0.0328	0.2293	7.5278	5.5829	183.299
1	D	2957.00	0.0269	0.2340	6.2965	5.0553	136.027
1	D	3010.86	0.0236	0.2340	5.5626	4.5296	107.675
1	D	3129.00	0.0183	0.2340	4.2745	4.0500	73.981
1	D	3309.56	0.0088	0.2340	2.0479	4.0500	35.445
1	D	3600.00	0.0055	0.2340	1.2894	4.0500	22.316
1	D	3600.60	0.0055	0.2340	1.2894	4.0500	22.316

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC. (UG/ML)	TOTAL P LOAD (UG/SEC)
1	D	3874.52	0.0000	0.2340	0.0000	4.0500	0.000
1	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
1	V	25.71	0.0050	0.1850	0.9320	7.3690	37.125
1	V	97.32	0.0298	0.1850	5.5139	7.3690	219.633
1	V	184.85	0.0438	0.1850	8.0965	7.3690	322.501
1	V	289.52	0.0776	0.1850	14.3574	7.3690	571.890
1	V	428.46	0.0912	0.2172	19.8040	6.9203	631.090
1	V	539.25	0.0987	0.2534	25.0137	6.4155	633.403
1	V	655.55	0.0987	0.2821	27.8565	6.0062	592.988
1	V	762.66	0.1107	0.2786	30.8302	6.0237	666.638
1	V	885.08	0.1148	0.2745	31.5146	6.0437	693.862
1	V	1060.14	0.1300	0.1884	24.5002	6.0723	789.614
1	V	1195.41	0.1284	0.1005	12.9020	6.0944	782.508
1	V	1200.00	0.1066	0.0975	10.3945	6.0951	649.803
1	V	1200.60	0.1066	0.0971	10.3530	6.0952	649.813
1	V	1470.85	0.0516	0.0880	4.5367	4.1970	216.369
1	V	1532.67	0.0408	0.0880	3.5890	4.1970	171.172
1	V	1736.50	0.0215	0.0880	1.8929	4.1970	90.280
1	V	1800.00	0.0051	0.0880	0.4474	4.1970	21.340
1	V	1800.60	0.0051	0.0880	0.4474	4.1970	21.340
1	V	2100.60	0.0023	0.0880	0.2000	4.1970	9.536
1	V	2271.46	0.0007	0.0880	0.0590	4.1970	2.816
1	V	2403.06	0.0000	0.0880	0.0000	4.1970	0.000
1	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
1	W	82.63	0.0026	0.1850	0.4802	9.1740	23.810
1	W	148.74	0.0141	0.1850	2.6021	9.1740	129.037
1	W	285.23	0.0258	0.1850	4.7810	9.1740	237.087
1	W	395.41	0.0440	0.1850	8.1413	8.8975	391.554
1	W	480.49	0.0685	0.1850	12.6727	8.5379	584.855
1	W	605.36	0.0700	0.1850	12.9470	8.0102	560.561
1	W	684.93	0.0900	0.2029	18.2698	7.8434	706.096
1	W	795.72	0.1124	0.2391	26.8793	7.7171	867.421
1	W	885.69	0.1060	0.2685	28.4576	7.6145	806.963
1	W	1021.58	0.1222	0.2146	26.2237	7.5045	916.933
1	W	1192.96	0.1265	0.0867	10.9655	7.3931	935.527
1	W	1331.29	0.1336	0.0951	12.7073	7.2208	964.562
1	W	1385.77	0.1322	0.1146	15.1396	7.1411	943.744
1	W	1421.88	0.1090	0.1274	13.8845	7.0882	772.268
1	W	1511.25	0.1049	0.1593	16.7158	6.9574	730.012
1	W	1626.93	0.1100	0.1660	18.2639	6.9300	762.464
1	W	1736.50	0.1045	0.1660	17.3480	6.9300	724.228
1	W	1789.14	0.1211	0.1660	20.0946	6.9300	838.889
1	W	1800.00	0.0991	0.1660	16.4567	6.9300	687.017
1	W	1800.60	0.0991	0.1660	16.4567	4.2940	425.693
1	W	1926.24	0.0709	0.1660	11.7661	4.2940	304.359
1	W	2016.83	0.0386	0.1660	6.4046	4.2940	165.671
1	W	2144.15	0.0224	0.1660	3.7189	4.2940	96.199
1	W	2313.70	0.0158	0.1660	2.6221	4.2940	67.827
1	W	2500.38	0.0085	0.1660	1.4136	4.2940	36.566

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
1	W	2714.00	0.0000	0.1660	0.000	4.2940	0.000
1	X1	0.00	0.0000	0.0000	0.000	0.0000	0.000
1	X1	11.64	0.0979	0.1460	14.296	3.5140	344.086
1	X1	109.09	0.2199	0.1460	32.111	3.5140	772.857
1	X1	136.06	0.2398	0.1460	35.017	3.5140	842.803
1	X1	214.50	0.2647	0.1498	39.667	3.4746	919.780
1	X1	378.14	0.2549	0.2896	73.837	2.0435	520.972
1	X1	446.78	0.2644	0.3483	92.069	1.4431	381.530
1	X1	560.16	0.2880	0.3510	101.095	1.4150	407.550
1	X1	600.00	0.2426	0.3510	85.208	1.4150	343.504
1	X1	600.60	0.2428	0.0000	0.000	0.0000	0.000
1	X2	0.00	0.0000	0.0000	0.000	0.0000	0.000
1	X2	36.16	0.0037	0.2240	0.826	0.9760	3.599
1	X2	83.96	0.2075	0.2240	46.472	0.9760	202.486
1	X2	128.09	0.5660	0.2240	126.794	0.9760	552.461
1	X2	165.47	0.6764	0.2240	151.517	0.9760	660.182
1	X2	280.69	0.7743	0.1695	131.243	0.8611	666.740
1	X2	411.24	0.7923	0.0689	54.571	0.6490	514.167
1	X2	530.75	0.8203	0.0390	31.990	0.5860	480.668
1	X2	596.32	0.8092	0.0390	31.560	0.5860	474.212
1	X2	600.00	0.7832	0.0390	30.546	0.5860	458.976
1	X2	600.60	0.7832	0.0000	0.000	0.0000	0.000
1	X3	0.00	0.0000	0.0000	0.000	0.0000	0.000
1	X3	43.51	0.0166	0.0100	0.166	0.3420	5.669
1	X3	82.74	0.5420	0.0100	5.420	0.3420	185.375
1	X3	108.48	0.8544	0.0100	8.544	0.3420	292.203
1	X3	131.77	1.0133	0.0100	10.133	0.3420	346.544
1	X3	167.93	1.1175	0.0100	11.174	0.3420	382.168
1	X3	289.27	1.1931	0.0067	7.990	0.2290	273.258
1	X3	419.82	1.2262	0.0013	1.542	0.0430	52.741
1	X3	583.45	1.2536	0.0000	0.000	0.0000	0.000
1	X3	600.00	1.2460	0.0000	0.000	0.0000	0.000
1	X3	600.60	1.2460	0.0000	0.000	0.0000	0.000
2	D	0.00	0.0000	0.0000	0.000	0.0000	0.000
2	D	85.17	0.0001	0.0390	0.004	0.2470	0.023
2	D	183.83	0.0021	0.0390	0.080	0.2470	0.510
2	D	288.00	0.0600	0.0390	2.340	0.2470	14.817
2	D	376.24	0.0936	0.0390	3.652	1.0739	100.563
2	D	444.87	0.1103	0.0390	4.303	2.3012	253.933
2	D	573.55	0.1136	0.0390	4.430	4.6025	522.844
2	D	873.55	0.1214	0.0309	3.748	5.2556	637.840
2	D	874.42	0.1214	0.0309	3.745	5.2543	637.804
2	D	1174.42	0.1267	0.0371	4.707	5.3319	675.560
2	D	1184.48	0.1269	0.0375	4.756	5.3384	677.340
2	D	1484.12	0.1306	0.0559	7.307	5.7399	749.707
2	D	1783.76	0.1323	0.0920	12.167	5.3528	707.986
2	D	2059.51	0.1363	0.0827	11.274	5.4942	748.966
2	D	2359.51	0.1336	0.1530	20.431	4.8538	648.281
2	D	2371.40	0.1335	0.1569	20.933	4.8171	642.844

DEFIANCE RAINULATOR STUDY

TILLAGE=NEW RIDGES RESIDUE=NONE

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	D	2671.40	0.1335	0.0738	9.8495	0.9055	120.840
2	D	2683.91	0.1335	0.0685	9.1427	0.7122	95.040
2	D	2978.66	0.1339	0.0084	1.1232	4.3680	585.001
2	D	3256.85	0.1368	0.0219	2.9999	5.8976	806.806
2	D	3556.85	0.1339	0.0290	3.8840	6.1000	816.986
2	D	3582.23	0.1337	0.0290	3.8770	6.1000	815.505
2	D	3600.00	0.1057	0.0290	3.0642	6.1000	644.546
2	D	3600.60	0.1057	0.0590	6.2341	2.9280	309.382
2	D	3740.94	0.0306	0.0590	1.8055	2.9280	89.602
2	D	3926.60	0.0103	0.0590	0.6068	2.9280	30.112
2	D	4226.60	0.0036	0.0590	0.2096	2.9280	10.403
2	D	4384.95	0.0000	0.0590	0.0000	2.9280	0.000
2	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	V	61.89	0.0046	0.0980	0.4487	4.8800	22.342
2	V	121.94	0.0399	0.0980	3.9135	4.8800	194.875
2	V	170.96	0.0928	0.0980	9.0942	4.8800	452.853
2	V	221.82	0.1209	0.0980	11.8515	4.8800	590.158
2	V	272.68	0.1330	0.0980	13.0317	4.8800	648.925
2	V	572.68	0.1399	0.0737	10.3174	4.1301	577.935
2	V	573.55	0.1400	0.0736	10.3068	4.1274	577.642
2	V	873.55	0.1283	0.1078	13.8264	4.5075	578.237
2	V	873.60	0.1283	0.1076	13.8307	4.5081	578.267
2	V	1173.80	0.1338	0.0536	7.1754	4.0411	540.876
2	V	1178.35	0.1339	0.0524	7.0217	4.0300	539.731
2	V	1476.15	0.1342	0.0874	11.7274	5.2849	709.055
2	V	1776.15	0.1373	0.0980	13.4536	5.5870	766.992
2	V	1776.41	0.1373	0.0980	13.4538	5.5870	767.006
2	V	1800.00	0.1301	0.0980	12.7541	5.5870	727.116
2	V	1800.60	0.1301	0.0590	7.6785	4.4900	584.348
2	V	1906.31	0.0567	0.0590	3.3448	4.4900	254.547
2	V	1987.20	0.0219	0.0590	1.2943	4.4900	98.495
2	V	2226.18	0.0030	0.0590	0.1784	4.4900	13.579
2	V	2526.18	0.0006	0.0590	0.0336	4.4900	2.554
2	V	2595.68	0.0000	0.0590	0.0000	4.4900	0.000
2	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	W	33.09	0.0029	0.1270	0.3654	4.0000	11.600
2	W	95.59	0.0364	0.1270	4.6232	4.0000	145.600
2	W	161.16	0.1065	0.1270	13.5264	4.0000	426.000
2	W	240.20	0.1264	0.1270	16.0551	4.0000	505.600
2	W	482.86	0.1390	0.0969	13.4723	4.0151	558.015
2	W	768.41	0.1429	0.0818	11.6945	4.2445	606.505
2	W	1068.41	0.1356	0.0528	7.1579	2.4314	329.699
2	W	1068.41	0.1356	0.0528	7.1579	2.4314	329.699
2	W	1137.29	0.1339	0.0303	4.0559	3.6415	487.691
2	W	1431.42	0.1444	0.0718	10.3720	1.7317	250.015
2	W	1731.42	0.1289	0.1070	13.7899	4.0000	515.600
2	W	1747.61	0.1280	0.1070	13.7004	4.0000	512.000
2	W	1773.34	0.1200	0.1070	12.8435	4.0000	480.000
2	W	1600.00	0.1034	0.1070	11.0597	4.0000	413.000

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD (UG/SEC)
2	W	1800.60	0.1034	0.1000	10.3361	4.4900	464.093
2	W	1887.93	0.0447	0.1000	4.4701	4.4900	200.705
2	W	2094.43	0.0119	0.1000	1.1933	4.4900	53.580
2	W	2351.60	0.0000	0.1000	0.0000	4.4900	0.000
2	X1	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	X1	62.98	0.0005	0.0290	0.0138	1.7080	0.813
2	X1	94.78	0.0076	0.0290	0.2204	1.7080	12.979
2	X1	139.41	0.2369	0.0290	6.8713	1.7080	404.698
2	X1	153.48	0.2785	0.0290	8.0767	1.7080	475.686
2	X1	171.21	0.2984	0.0290	8.6544	1.7080	509.715
2	X1	255.59	0.3120	0.0328	10.2329	1.7266	538.680
2	X1	428.03	0.3039	0.0472	14.3340	1.7970	546.093
2	X1	572.33	0.3021	0.0490	14.8010	1.8060	545.523
2	X1	600.00	0.2736	0.0490	13.4082	1.8060	494.189
2	X1	600.60	0.2736	0.0000	0.0000	0.0000	0.000
2	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	X2	71.54	0.0304	0.0000	0.0000	0.6830	20.777
2	X2	128.41	0.8431	0.0000	0.0000	0.6830	575.865
2	X2	179.77	0.8822	0.0000	0.0000	0.6830	602.565
2	X2	308.79	0.9028	0.0000	0.0000	0.4019	362.786
2	X2	421.30	0.9079	0.0000	0.0000	0.0817	74.158
2	X2	583.95	0.8899	0.0000	0.0000	0.0000	0.000
2	X2	600.00	0.8619	0.0000	0.0000	0.0000	0.000
2	X2	600.60	0.8619	0.0000	0.0000	0.0000	0.000
2	X3	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	X3	52.59	0.0773	0.0000	0.0000	0.3900	30.145
2	X3	111.29	1.2361	0.0000	0.0000	0.3900	482.064
2	X3	172.43	1.2521	0.0000	0.0000	0.3900	488.317
2	X3	269.66	1.2598	0.0025	3.1314	0.3900	491.309
2	X3	411.52	1.2644	0.0084	10.6164	0.3900	493.109
2	X3	577.22	1.2529	0.0100	12.5286	0.3900	488.616
2	X3	600.00	1.2156	0.0100	12.1561	0.3900	474.067
2	X3	600.60	1.2156	0.0000	0.0000	0.0000	0.000
2	X4	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	X4	48.92	0.0067	0.0000	0.0000	0.0000	0.000
2	X4	66.04	1.0507	0.0000	0.0000	0.0000	0.000
2	X4	90.50	2.1659	0.0000	0.0000	0.0000	0.000
2	X4	116.18	2.3899	0.0000	0.0000	0.0000	0.000
2	X4	174.27	2.4385	0.0000	0.0000	0.0000	0.000
2	X4	292.89	2.4429	0.0000	0.0000	0.0504	123.183
2	X4	406.62	2.4526	0.0000	0.0000	0.1196	293.368
2	X4	564.38	2.4298	0.0000	0.0000	0.1460	354.757
2	X4	600.00	2.4018	0.0000	0.0000	0.1460	350.658
2	X4	600.60	2.4018	0.0000	0.0000	0.0000	0.000
2	X5	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	X5	45.25	0.0350	0.0000	0.0000	0.0980	3.429
2	X5	72.76	2.3642	0.0000	0.0000	0.0980	231.696
2	X5	90.50	3.0846	0.0000	0.0000	0.0980	302.289
2	X5	134.52	3.2286	0.0000	0.0000	0.0980	316.403

DEFIANCE RAINULATOR STUDY

TILLAGE=NEW RIDGES RESIDUE=NONE

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	X5	308.79	3.2917	0.0000	0.0000	0.0980	322.590
2	X5	339.36	3.2437	0.0000	0.0000	0.0980	317.882
2	X5	600.00	3.2968	0.0000	0.0000	0.0980	323.088
2	X5	600.60	3.2968	0.0000	0.0000	0.0000	0.000
3	D	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	D	168.45	0.0001	0.1270	0.0073	9.6620	0.555
3	D	403.06	0.0012	0.1270	0.1487	9.6620	11.315
3	D	599.08	0.0048	0.1270	0.6043	9.6620	45.973
3	D	717.30	0.0061	0.1241	0.7573	8.4409	51.512
3	D	891.27	0.0725	0.1183	8.5733	6.0077	435.414
3	D	1009.49	0.0831	0.1300	10.7992	5.7633	478.823
3	D	1191.42	0.0908	0.1597	14.4980	6.4437	584.981
3	D	1318.22	0.0976	0.1575	15.3726	6.6598	650.134
3	D	1380.70	0.0999	0.1514	15.1214	6.7106	670.090
3	D	1428.48	0.1080	0.1468	15.8546	6.7494	728.883
3	D	1500.15	0.1080	0.1399	15.1065	6.8077	735.178
3	D	1780.70	0.1082	0.1119	12.1113	3.1617	342.110
3	D	2066.77	0.1121	0.1149	12.8767	5.5212	616.789
3	D	2366.77	0.1190	0.1091	12.9856	6.1514	732.118
3	D	2666.77	0.1260	0.0226	2.8406	6.4851	816.842
3	D	2787.14	0.1287	0.0168	2.1577	6.6067	850.544
3	D	2960.49	0.1304	0.0676	8.8150	6.6633	868.754
3	D	3244.10	0.1280	0.0951	12.1814	6.2328	798.057
3	D	3513.02	0.1323	0.0980	12.9620	6.0510	800.338
3	D	3566.31	0.1218	0.0980	11.9402	6.0510	737.249
3	D	3592.65	0.1171	0.0980	11.4784	6.0510	708.732
3	D	3600.00	0.0988	0.0980	9.6860	6.0510	598.062
3	D	3600.60	0.0988	0.0200	1.9767	6.0000	592.800
3	D	3761.10	0.0171	0.0200	0.3423	6.0000	102.600
3	D	4040.43	0.0000	0.0200	0.0000	6.0000	0.000
3	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	V	77.79	0.0034	0.0980	0.3337	3.0000	10.200
3	V	131.09	0.0261	0.0980	2.5588	3.0000	78.300
3	V	196.02	0.0815	0.0980	7.9852	3.0000	244.500
3	V	242.57	0.0915	0.0980	8.9623	3.0000	274.500
3	V	310.57	0.0988	0.0980	9.6860	3.0000	296.400
3	V	454.52	0.1001	0.1017	10.1797	2.7344	273.606
3	V	572.13	0.1076	0.1053	11.3229	5.3171	571.946
3	V	573.35	0.1078	0.1053	11.3492	5.3440	575.976
3	V	613.17	0.1138	0.1065	12.1212	6.2184	707.777
3	V	735.68	0.1180	0.0968	11.4221	6.7599	797.781
3	V	831.24	0.1323	0.0875	11.5794	6.9154	914.661
3	V	901.68	0.1225	0.0807	9.8919	7.0299	861.310
3	V	1000.92	0.1232	0.0711	8.7653	7.0067	863.254
3	V	1218.38	0.1304	0.0501	6.5351	6.7944	885.842
3	V	1350.08	0.1287	0.0686	8.8332	6.8610	883.293
3	V	1441.96	0.1283	0.0836	10.7263	6.9208	887.755
3	V	1644.72	0.1178	0.0980	11.5438	6.9780	821.964
3	V	1756.81	0.1292	0.0980	12.6623	6.9780	901.609

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	V	1800.00	0.1209	0.0980	11.8515	6.9780	843.877
3	V	1800.60	0.1209	0.0200	2.4187	4.1480	501.634
3	V	1907.50	0.0982	0.0200	1.9646	4.1480	407.450
3	V	2050.84	0.0192	0.0200	0.3850	4.1480	79.848
3	V	2232.77	0.0000	0.0200	0.0000	4.1480	0.000
3	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	W	58.19	0.0072	0.1170	0.8432	8.1010	58.383
3	W	130.47	0.0302	0.1170	3.5322	8.1010	244.566
3	W	177.03	0.0761	0.1170	8.9091	8.1010	616.859
3	W	267.69	0.0986	0.1170	11.5401	8.1010	799.032
3	W	337.52	0.1017	0.1177	11.9733	8.0105	814.698
3	W	447.78	0.1143	0.1284	14.6690	6.6833	763.621
3	W	562.94	0.1110	0.1395	15.4856	5.2972	587.953
3	W	706.28	0.1221	0.1361	16.6112	4.9614	605.618
3	W	853.91	0.1304	0.1169	15.2403	5.8737	765.812
3	W	1101.99	0.1346	0.0846	11.3964	6.4277	865.446
3	W	1364.78	0.1390	0.0815	11.3237	6.3148	877.621
3	W	1664.78	0.1307	0.0980	12.8097	6.1000	797.341
3	W	1710.87	0.1294	0.0980	12.6852	6.1000	789.592
3	W	1767.84	0.1311	0.0980	12.8463	6.1000	799.617
3	W	1800.00	0.1194	0.0980	11.6971	6.1000	728.086
3	W	1800.60	0.1194	0.0290	3.4614	6.3930	763.059
3	W	1901.38	0.0411	0.0290	1.1920	6.3930	262.771
3	W	2099.23	0.0149	0.0290	0.4334	6.3930	95.541
3	W	2399.23	0.0019	0.0290	0.0557	6.3930	12.263
3	W	2443.49	0.0000	0.0290	0.0000	6.3930	0.000
3	X1	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X1	66.83	0.0015	0.0490	0.0725	0.5000	0.750
3	X1	129.98	0.0362	0.0490	1.7719	0.5000	18.100
3	X1	161.25	0.1842	0.0490	9.0261	0.5000	92.300
3	X1	177.81	0.2277	0.0490	11.1560	0.5000	113.900
3	X1	234.22	0.2691	0.0529	14.2429	0.5000	134.600
3	X1	289.40	0.2805	0.0619	17.3636	0.5000	140.300
3	X1	394.86	0.2976	0.0790	23.5207	0.5000	148.500
3	X1	553.66	0.3012	0.0880	26.5063	0.5000	150.600
3	X1	590.45	0.3038	0.0880	26.7308	0.5000	151.900
3	X1	597.19	0.0000	0.0880	0.0000	0.5000	0.000
3	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X2	11.04	0.2990	0.0000	0.0000	0.9760	291.853
3	X2	45.98	0.3345	0.0000	0.0000	0.9760	326.455
3	X2	87.68	0.7348	0.0000	0.0000	0.9760	717.210
3	X2	120.17	0.8706	0.0000	0.0000	0.9760	849.747
3	X2	189.46	0.9020	0.0000	0.0000	0.9760	880.306
3	X2	273.46	0.9039	0.0000	0.0000	0.7179	648.941
3	X2	385.66	0.9058	0.0000	0.0000	0.2617	237.011
3	X2	518.71	0.9065	0.0000	0.0000	0.0000	0.000
3	X2	576.34	0.8885	0.0000	0.0000	0.0000	0.000
3	X2	583.70	0.0000	0.0000	0.0000	0.0000	0.000
3	X3	0.00	0.0000	0.0000	0.0000	0.0000	0.000

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	X3	25.14	0.9007	0.0000	0.0000	0.0000	0.000
3	X3	72.35	1.1800	0.0000	0.0000	0.0000	0.000
3	X3	124.47	1.2570	0.0000	0.0000	0.0000	0.000
3	X3	212.76	1.2809	0.0000	0.0000	0.0078	10.048
3	X3	304.11	1.2754	0.0000	0.0000	0.2678	341.600
3	X3	426.74	1.2894	0.0000	0.0000	0.6168	795.298
3	X3	481.31	1.3011	0.0000	0.0000	0.6830	888.632
3	X3	596.58	1.3128	0.0000	0.0000	0.6830	896.651
3	X3	600.00	0.0000	0.0000	0.0000	0.6830	0.000
3	X3	600.60	0.0000	0.0000	0.0000	0.0000	0.000
3	X4	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X4	1.23	0.5804	0.0000	0.0000	0.1950	113.176
3	X4	7.97	1.7168	0.0000	0.0000	0.1950	334.763
3	X4	34.95	2.1533	0.0000	0.0000	0.1950	419.888
3	X4	66.83	2.3138	0.0000	0.0000	0.1950	451.183
3	X4	87.68	2.4704	0.0000	0.0000	0.1950	481.737
3	X4	283.88	2.4803	0.0000	0.0000	0.1950	483.655
3	X4	413.86	2.4847	0.0000	0.0000	0.1950	484.506
3	X4	587.99	2.4770	0.0000	0.0000	0.1950	483.015
3	X4	600.00	0.0001	0.0000	0.0000	0.1950	0.025
3	X5	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X5	45.37	3.2460	0.0000	0.0000	0.0000	0.000
3	X5	345.37	3.2467	0.0000	0.0000	0.0553	179.467
3	X5	575.73	3.2472	0.0000	0.0000	0.0980	318.230
3	X5	600.00	2.0500	0.0000	0.0000	0.0980	200.895
3	X5	600.60	2.0500	0.0000	0.0000	0.0000	0.000
4	D	0.00	0.0000	0.0000	0.0000	0.0000	0.000
4	D	192.68	0.0001	0.0000	0.0000	0.0000	0.000
4	D	268.52	0.0223	0.0000	0.0000	0.0000	0.000
4	D	366.39	0.0431	0.0012	0.0523	0.5801	24.996
4	D	566.41	0.0776	0.0079	0.6118	3.7684	292.553
4	D	771.32	0.0932	0.0420	3.9185	5.7477	535.837
4	D	869.80	0.0934	0.0644	6.0104	6.4206	599.659
4	D	1169.80	0.1093	0.0628	6.8666	6.2469	682.897
4	D	1175.02	0.1096	0.0625	6.8477	6.2341	683.232
4	D	1474.13	0.1150	0.0663	7.6289	5.7029	655.970
4	D	1774.13	0.1164	0.0680	7.9164	5.8504	681.091
4	D	1806.88	0.1166	0.0680	7.9267	5.8824	685.709
4	D	2061.95	0.1098	0.0456	5.0049	2.5472	279.702
4	D	2361.95	0.1123	0.0313	3.5118	5.3350	599.187
4	D	2372.68	0.1124	0.0309	3.4744	5.5096	619.283
4	D	2672.68	0.1151	0.0136	1.5687	5.2577	605.102
4	D	2690.14	0.1152	0.0125	1.4434	5.1725	596.105
4	D	2962.94	0.1177	0.0325	3.8267	5.0914	599.147
4	D	3262.66	0.1190	0.0165	1.9649	5.5025	654.894
4	D	3557.49	0.1135	0.0100	1.1349	5.6120	636.908
4	D	3592.97	0.1058	0.0100	1.0577	5.6120	593.586
4	D	3600.00	0.0909	0.0100	0.9087	5.6120	509.987
4	D	3600.60	0.0909	0.0100	0.9087	5.6120	510.100

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
4	D	3740.99	0.0263	0.0100	0.2628	5.6120	147.6
4	D	3862.10	0.0089	0.0100	0.0886	5.6120	49.9
4	D	4162.10	0.0029	0.0100	0.0287	5.6120	16.3
4	D	4306.18	0.0000	0.0100	0.0000	5.6120	0.0
4	V	0.00	0.0000	0.0000	0.0000	0.0000	0.0
4	V	56.27	0.0045	0.0490	0.2220	6.1490	27.9
4	V	128.45	0.0729	0.0490	3.5706	6.1490	448.1
4	V	183.50	0.1070	0.0490	5.2449	6.1490	658.2
4	V	262.41	0.1172	0.0490	5.7445	6.1490	720.9
4	V	560.90	0.1192	0.0490	5.8429	1.4162	168.9
4	V	858.18	0.1148	0.0338	3.8790	3.0000	344.4
4	V	1158.18	0.1214	0.0222	2.6885	4.1939	508.9
4	V	1175.02	0.1217	0.0216	2.6352	4.5035	548.2
4	V	1464.96	0.1199	0.0505	6.0611	5.5140	661.2
4	V	1764.96	0.1161	0.0590	6.8475	5.5140	640.0
4	V	1776.91	0.1159	0.0590	6.8384	5.5140	639.1
4	V	1800.00	0.1024	0.0590	6.0434	5.5140	564.8
4	V	1800.60	0.1024	0.0290	2.9705	5.5140	564.8
4	V	2011.79	0.0138	0.0290	0.3988	5.5140	75.6
4	V	2311.79	0.0052	0.0290	0.1506	5.5140	28.6
4	V	2493.79	0.0000	0.0290	0.0000	5.5140	0.0
4	W	0.00	0.0000	0.0000	0.0000	0.0000	0.0
4	W	76.46	0.0025	0.0390	0.0984	3.5000	8.8
4	W	157.20	0.0755	0.0390	2.9432	3.5000	264.3
4	W	268.52	0.1083	0.0390	4.2242	3.5000	379.1
4	W	568.52	0.1091	0.0470	5.1245	3.8410	419.2
4	W	576.20	0.1092	0.0472	5.1534	3.9646	432.8
4	W	854.51	0.1175	0.0490	5.7554	5.6714	666.1
4	W	1154.51	0.1223	0.0340	4.1606	5.1503	629.6
4	W	1178.08	0.1226	0.0325	3.9807	5.0659	621.2
4	W	1464.34	0.1240	0.0368	4.5645	5.7564	713.8
4	W	1764.34	0.1196	0.0390	4.6633	6.0020	717.7
4	W	1786.70	0.1192	0.0390	4.6505	6.0020	715.7
4	W	1800.00	0.1122	0.0390	4.3752	6.0020	673.3
4	W	1800.60	0.1122	0.0200	2.2437	5.5140	618.6
4	W	1874.78	0.0814	0.0200	1.6283	5.5140	448.9
4	W	1970.20	0.0249	0.0200	0.4989	5.5140	137.5
4	W	2148.19	0.0080	0.0200	0.1596	5.5140	44.0
4	W	2448.19	0.0027	0.0200	0.0544	5.5140	15.0
4	X4	0.00	0.0000	0.0000	0.0000	0.0000	0.0
4	X4	39.75	0.0004	0.0000	0.0000	0.4390	0.2
4	X4	93.57	2.1219	0.0000	0.0000	0.4390	931.5
4	X4	132.10	2.3085	0.0000	0.0000	0.4390	1013.4
4	X4	203.04	2.4173	0.0000	0.0000	0.4390	1061.2
4	X4	503.04	2.4113	0.0000	0.0000	3.2821	7913.9
4	X4	633.59	2.4086	0.0000	0.0000	5.3079	12784.9
4	X4	933.59	2.3985	0.0001	0.2866	0.3379	810.5
4	X4	1233.59	2.3884	0.0099	23.5982	0.5000	1194.2
4	X4	1459.81	2.3807	0.0023	5.5697	0.5000	1190.4

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
4	X4	1759.81	2.3845	0.0000	0.0000	0.0000	0.000
4	X4	1796.79	2.3850	0.0000	0.0000	0.0000	0.000
4	X4	1600.00	2.3593	0.0000	0.0000	0.0000	0.000
4	X4	1800.60	2.3593	0.0000	0.0000	0.2930	691.290
4	X4	1935.62	0.0835	0.0000	0.0000	0.2930	24.471
4	X4	2069.55	0.0178	0.0000	0.0000	0.2930	5.225
4	X4	2369.55	0.0083	0.0000	0.0000	0.2930	2.438
4	X4	2601.61	0.0010	0.0000	0.0000	0.2930	0.281
4	X4	2846.85	0.0000	0.0000	0.0000	0.2930	0.000
5	D	0.00	0.0000	0.0000	0.0000	0.0000	0.000
5	D	215.77	0.0006	0.0780	0.0494	5.2220	3.308
5	D	281.97	0.0173	0.0780	1.3458	5.2220	90.100
5	D	320.59	0.0252	0.0780	1.9641	5.2220	131.492
5	D	406.40	0.0465	0.0755	3.5092	3.8921	181.016
5	D	574.97	0.0786	0.0698	5.4874	0.9579	75.268
5	D	775.41	0.1162	0.0680	7.9029	2.2471	261.157
5	D	877.78	0.1204	0.0680	8.1680	3.8290	461.059
5	D	1177.78	0.1250	0.0680	8.5007	5.4421	680.318
5	D	1211.85	0.1255	0.0680	8.5362	5.5530	697.075
5	D	1471.75	0.1301	0.0527	6.8544	5.3364	694.224
5	D	1771.75	0.1446	0.0490	7.0845	4.6414	671.067
5	D	1807.05	0.1463	0.0490	7.1680	4.5497	665.555
5	D	2073.69	0.1363	0.0409	5.5710	5.1236	698.281
5	D	2369.15	0.1486	0.0701	10.4155	4.2201	627.129
5	D	2669.15	0.1434	0.0469	6.7248	4.6138	661.403
5	D	2698.31	0.1428	0.0431	6.1592	4.6944	670.560
5	D	2973.54	0.1533	0.0155	2.3695	4.7430	727.052
5	D	3272.67	0.1519	0.0254	3.8530	5.2468	796.870
5	D	3567.51	0.1461	0.0290	4.2356	5.3680	784.026
5	D	3600.00	0.1187	0.0290	3.4431	5.3680	637.324
5	D	3600.60	0.1187	0.0490	5.8176	5.3680	637.324
5	D	3876.45	0.0167	0.0490	0.8200	5.3680	89.828
5	D	4176.45	0.0085	0.0490	0.4162	5.3680	45.599
5	D	4476.45	0.0003	0.0490	0.0125	5.3680	1.371
5	D	4485.75	0.0000	0.0490	0.0000	5.3680	0.000
5	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
5	V	67.43	0.0073	0.0390	0.2865	4.3920	32.268
5	V	156.92	0.0868	0.0390	3.3839	4.3920	361.077
5	V	202.89	0.1266	0.0390	4.9378	4.3920	556.076
5	V	267.26	0.1428	0.0390	5.5708	4.3920	627.359
5	V	567.26	0.1514	0.0311	4.7066	4.6625	705.800
5	V	568.23	0.1514	0.0311	4.7025	4.6636	706.097
5	V	855.10	0.1488	0.0440	6.5498	4.1460	617.372
5	V	1155.10	0.1458	0.0490	7.1423	4.9780	725.593
5	V	1155.10	0.1458	0.0490	7.1423	4.9780	725.593
5	V	1171.39	0.1456	0.0490	7.1341	5.0521	735.564
5	V	1466.24	0.1479	0.0183	2.7051	5.2426	775.419
5	V	1626.06	0.1318	0.0100	1.3185	5.2220	688.514
5	V	1752.49	0.1463	0.0100	1.4629	5.2220	763.907

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
5	V	1800.00	0.1370	0.0100	1.3696	5.2220	715.20
5	V	1800.60	0.1370	0.0290	3.9718	3.9530	541.40
5	V	2066.34	0.0128	0.0290	0.3701	3.9530	50.45
5	V	2366.34	0.0069	0.0290	0.2013	3.9530	27.45
5	V	2500.94	0.0043	0.0290	0.1256	3.9530	17.13
5	V	2800.94	0.0021	0.0290	0.0596	3.9530	8.12
5	V	3071.62	0.0000	0.0290	0.0000	3.9530	0.00
5	W	0.00	0.0000	0.0000	0.0000	0.0000	0.00
5	W	89.49	0.0020	0.0390	0.0764	2.5000	5.00
5	W	117.08	0.0236	0.0390	0.9223	2.5000	59.00
5	W	207.80	0.1139	0.0390	4.4437	2.5000	284.80
5	W	254.38	0.1341	0.0390	5.2283	2.5000	335.30
5	W	478.73	0.1456	0.0390	5.6782	2.6127	380.40
5	W	716.57	0.1535	0.0390	5.9874	5.1433	769.63
5	W	846.52	0.1545	0.0390	6.0243	4.9532	765.11
5	W	1045.12	0.1612	0.0279	4.4918	5.0371	811.79
5	W	1176.91	0.1549	0.0151	2.3446	5.2730	817.01
5	W	1466.85	0.1526	0.0250	3.8146	5.5606	846.45
5	W	1759.24	0.1538	0.0290	4.4591	5.6120	662.90
5	W	1800.00	0.1213	0.0290	3.5165	5.6120	680.50
5	W	1800.60	0.1213	0.0200	2.4252	6.3190	766.23
5	W	2012.40	0.0221	0.0200	0.4412	6.3190	139.40
5	W	2285.78	0.0125	0.0200	0.2507	6.3190	79.20
5	W	2585.78	0.0053	0.0200	0.1063	6.3190	33.60
5	W	2806.81	0.0000	0.0200	0.0000	6.3190	0.00
5	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.00
5	X2	66.77	0.0004	0.0000	0.0000	1.0250	0.41
5	X2	82.08	0.5139	0.0000	0.0000	1.0250	526.75
5	X2	104.13	0.8331	0.0000	0.0000	1.0250	853.88
5	X2	161.72	0.8689	0.0000	0.0000	1.0250	890.57
5	X2	461.72	0.8660	0.0000	0.0000	1.1962	1035.89
5	X2	761.72	0.8631	0.0044	3.7893	1.2223	1054.89
5	X2	1021.13	0.8606	0.0070	5.9915	1.0204	878.08
5	X2	1321.13	0.8596	0.0000	0.0000	0.9886	849.87
5	X2	1400.31	0.8594	0.0000	0.0000	0.8728	750.06
5	X2	1658.19	0.8677	0.0000	0.0000	0.6830	592.62
5	X2	1755.59	0.8677	0.0000	0.0000	0.6830	592.62
5	X2	1781.93	0.8226	0.0000	0.0000	0.6830	561.86
5	X2	1800.00	0.3110	0.0000	0.0000	0.6830	212.40
5	X2	1800.60	0.3110	0.0100	3.1098	1.1710	364.15
5	X2	1951.00	0.0471	0.0100	0.4712	1.1710	55.17
5	X2	2058.81	0.0132	0.0100	0.1320	1.1710	15.46
5	X2	2358.81	0.0012	0.0100	0.0123	1.1710	1.44
5	X2	2365.70	0.0010	0.0100	0.0095	1.1710	1.12
5	X2	2665.70	0.0002	0.0100	0.0016	1.1710	0.19
5	X2	2726.49	0.0000	0.0100	0.0000	1.1710	0.00
6	D	0.00	0.0000	0.0000	0.0000	0.0000	0.00
6	D	81.57	0.0002	0.1170	0.0233	8.3940	1.67
6	D	164.38	0.0061	0.1170	0.7194	8.3940	51.61

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
6	D	242.27	0.0420	0.1170	4.9157	8.3940	352.667
6	D	273.55	0.0632	0.1170	7.3913	8.3940	530.281
6	D	387.63	0.0991	0.1189	11.7907	6.7815	672.366
6	D	465.15	0.1118	0.1222	13.6527	4.0528	452.907
6	D	567.95	0.1148	0.1249	14.3427	1.7361	199.309
6	D	704.73	0.1233	0.1003	12.3740	1.4223	175.388
6	D	804.70	0.1231	0.0647	7.9622	3.3252	409.274
6	D	885.66	0.1338	0.0358	4.7917	4.8661	651.073
6	D	1077.03	0.1336	0.0484	6.4676	5.8056	775.387
6	D	1285.56	0.1258	0.0761	9.5820	5.8598	737.360
6	D	1489.80	0.1208	0.0693	8.3774	5.6937	687.891
6	D	1779.30	0.1197	0.0680	8.1390	5.4175	648.428
6	D	2074.32	0.1208	0.0525	6.3461	5.0105	605.348
6	D	2374.32	0.1272	0.0571	7.2712	5.1676	657.546
6	D	2384.05	0.1275	0.0575	7.3245	5.1771	659.836
6	D	2682.75	0.1275	0.0666	8.4861	5.5093	702.171
6	D	2977.77	0.1295	0.0284	3.6737	5.4424	705.062
6	D	3270.94	0.1275	0.0513	6.5412	5.4564	695.424
6	D	3570.94	0.1240	0.0590	7.3162	5.4660	677.800
6	D	3571.48	0.1240	0.0590	7.3158	5.4660	677.766
6	D	3595.40	0.1157	0.0590	6.8254	5.4660	632.335
6	D	3600.00	0.0989	0.0590	5.8377	5.4660	540.627
6	D	3600.60	0.0989	0.0490	4.8483	5.3680	531.131
6	D	3765.91	0.0325	0.0490	1.5905	5.3660	174.240
6	D	4035.16	0.0100	0.0490	0.4911	5.3680	53.799
6	D	4335.17	0.0059	0.0490	0.2874	5.3680	31.480
6	D	4635.17	0.0017	0.0490	0.0836	5.3680	9.160
6	D	4758.29	0.0000	0.0490	0.0000	5.3680	0.000
6	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
6	V	42.32	0.0044	0.0200	0.0880	2.5380	11.161
6	V	81.57	0.0099	0.0200	0.1979	2.5380	25.117
6	V	147.20	0.0706	0.0200	1.4123	2.5380	179.215
6	V	207.31	0.1070	0.0200	2.1408	2.5380	271.662
6	V	264.35	0.1233	0.0200	2.4662	2.5380	312.965
6	V	564.35	0.1222	0.0270	3.3039	4.4815	547.775
6	V	579.61	0.1222	0.0275	3.3583	4.6081	562.987
6	V	837.82	0.1199	0.0290	3.4776	5.3980	647.305
6	V	961.72	0.1222	0.0290	3.5430	5.5320	675.870
6	V	1176.39	0.1037	0.0290	3.0066	5.3224	551.807
6	V	1316.84	0.1141	0.0319	3.6407	4.6062	525.786
6	V	1483.67	0.1348	0.0375	5.0472	3.3311	448.871
6	V	1669.51	0.1321	0.0390	5.1533	2.9770	393.371
6	V	1781.75	0.1155	0.0390	4.5031	2.9770	343.738
6	V	1800.00	0.1115	0.0390	4.3498	2.9770	332.036
6	V	1800.60	0.1115	0.0200	2.2307	5.4660	609.644
6	V	1855.35	0.0946	0.0200	1.8917	5.4660	516.989
6	V	1953.49	0.0362	0.0200	0.7230	5.4660	197.597
6	V	2077.38	0.0086	0.0200	0.1724	5.4660	47.111
6	V	2377.38	0.0027	0.0200	0.0547	5.4660	14.949

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC. (UG/ML)	TOTAL P LOAD (UG/SEC)
6	V	2438.64	0.0015	0.0200	0.0307	5.4660	8.381
6	V	2738.64	0.0009	0.0200	0.0173	5.4660	4.715
6	V	3038.64	0.0002	0.0200	0.0038	5.4660	1.048
6	V	3124.35	0.0000	0.0200	0.0000	5.4660	0.000
6	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
6	W	75.44	0.0007	0.0490	0.0319	6.0510	3.939
6	W	150.86	0.0414	0.0490	2.0297	6.0510	250.645
6	W	208.54	0.0764	0.0490	3.7432	6.0510	462.247
6	W	264.96	0.0904	0.0490	4.4283	6.0510	546.852
6	W	485.15	0.1083	0.0436	4.7471	5.9755	647.221
6	W	571.02	0.1177	0.0410	4.8208	5.9337	698.273
6	W	701.05	0.1206	0.0437	5.2742	5.8240	702.322
6	W	1001.05	0.1206	0.0474	5.7155	5.5514	669.447
6	W	1001.05	0.1206	0.0474	5.7155	5.5514	669.447
6	W	1188.04	0.1206	0.0169	2.0324	5.5209	665.764
6	W	1461.59	0.1122	0.0247	2.7673	2.4254	272.087
6	W	1761.59	0.1160	0.0290	3.3652	1.5130	175.570
6	W	1765.43	0.1163	0.0290	3.3741	1.5130	176.034
6	W	1800.00	0.1116	0.0290	3.2408	1.5130	169.076
6	W	1800.60	0.1116	0.0100	1.1175	5.1730	578.085
6	W	1864.55	0.0867	0.0100	0.8674	5.1730	448.707
6	W	1965.76	0.0310	0.0100	0.3099	5.1730	160.313
6	W	2265.76	0.0103	0.0100	0.1034	5.1730	53.483
6	X5	0.00	0.0000	0.0000	0.0000	0.0000	0.000
6	X5	38.58	0.0002	0.0000	0.0000	0.0000	0.000
6	X5	73.49	2.9146	0.0000	0.0000	0.0000	0.000
6	X5	85.74	3.1394	0.0000	0.0000	0.0000	0.000
6	X5	132.29	3.3026	0.0000	0.0000	0.0000	0.000
6	X5	432.29	3.3026	0.0000	0.0000	0.0665	219.583
6	X5	732.29	3.3026	0.0000	0.0000	0.1619	534.773
6	X5	1032.29	3.3026	0.0000	0.0000	0.1144	377.703
6	X5	1332.29	3.3026	0.0000	0.0000	0.1296	428.124
6	X5	1632.29	3.3026	0.0000	0.0000	0.0980	323.652
6	X5	1790.20	3.3026	0.0000	0.0000	0.0980	323.652
6	X5	1800.00	0.1335	0.0000	0.0000	0.0980	13.080
6	X5	1800.60	0.1335	0.0000	0.0000	0.0490	6.540
6	X5	2048.04	0.0180	0.0000	0.0000	0.0490	0.880
6	X5	2278.94	0.0003	0.0000	0.0000	0.0490	0.014
6	X5	2439.40	0.0000	0.0000	0.0000	0.0490	0.000
7	D	0.00	0.0000	0.0000	0.0000	0.0000	0.000
7	D	167.91	0.0009	0.0590	0.0551	6.8320	6.386
7	D	200.39	0.0016	0.0590	0.0941	6.8320	10.896
7	D	271.48	0.0554	0.0590	3.2703	6.8320	378.692
7	D	302.12	0.0633	0.0590	3.7319	6.8320	432.136
7	D	413.04	0.0849	0.0535	4.5408	5.3190	451.754
7	D	568.70	0.0978	0.0431	4.2145	2.4830	242.867
7	D	668.70	0.1040	0.0549	5.7115	4.4722	465.156
7	D	871.43	0.1041	0.0551	5.7336	4.5078	469.108
7	D	1089.59	0.1134	0.0590	6.6885	4.8551	550.390

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
7	D	1389.59	0.1145	0.0590	6.7558	4.5677	523.018
7	D	1470.15	0.1148	0.0590	6.7738	4.6069	528.918
7	D	1764.92	0.1121	0.0590	6.6157	3.6423	408.414
7	D	2062.75	0.1121	0.0590	6.6157	5.0707	568.581
7	D	2204.92	0.1241	0.0565	7.0116	4.7586	590.515
7	D	2370.38	0.1453	0.0510	7.4060	2.9821	433.156
7	D	2670.38	0.1509	0.0490	7.3954	2.3035	347.663
7	D	2678.02	0.1511	0.0490	7.4024	2.3023	347.811
7	D	2967.88	0.1541	0.0411	6.3305	0.4750	73.219
7	D	3260.81	0.1596	0.0544	8.6819	3.9422	629.291
7	D	3455.68	0.1553	0.0590	9.1641	5.1240	795.880
7	D	3582.53	0.1522	0.0590	8.9825	5.1240	780.110
7	D	3600.00	0.1333	0.0590	7.8624	5.1240	682.828
7	D	3600.60	0.1333	0.0100	1.3326	0.1950	25.986
7	D	3766.38	0.0415	0.0100	0.4147	0.1950	8.086
7	D	4058.69	0.0110	0.0100	0.1104	0.1950	2.153
7	D	4358.69	0.0045	0.0100	0.0449	0.1950	0.875
7	D	4564.27	0.0000	0.0100	0.0000	0.1950	0.000
7	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
7	V	42.90	0.0034	0.0290	0.0992	5.9540	20.362
7	V	145.24	0.0578	0.0290	1.6771	5.9540	344.335
7	V	240.22	0.1123	0.0290	3.2577	5.9540	668.848
7	V	387.30	0.1289	0.0309	3.9830	5.8887	758.806
7	V	570.53	0.1190	0.0370	4.4047	5.6798	675.836
7	V	863.46	0.1184	0.0468	5.5370	5.3459	632.726
7	V	1013.60	0.1154	0.0353	4.0800	5.2293	603.636
7	V	1202.35	0.0988	0.0045	0.4461	5.1375	507.469
7	V	1464.64	0.1198	0.0305	3.6552	5.2006	623.211
7	V	1666.87	0.1250	0.0390	4.8732	5.2220	652.510
7	V	1777.79	0.1069	0.0390	4.1675	5.2220	558.011
7	V	1800.00	0.0961	0.0390	3.7473	5.2220	501.760
7	V	1800.60	0.0961	0.0390	3.7473	5.1240	492.344
7	V	1917.51	0.0384	0.0390	1.4974	5.1240	196.732
7	V	2142.41	0.0104	0.0390	0.4058	5.1240	53.318
7	V	2442.41	0.0043	0.0390	0.1676	5.1240	22.015
7	V	2630.22	0.0005	0.0390	0.0184	5.1240	2.418
7	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
7	W	58.22	0.0003	0.0390	0.0123	3.1720	1.003
7	W	147.08	0.0400	0.0390	1.5618	3.1720	127.027
7	W	219.39	0.0946	0.0390	3.6879	3.1720	299.952
7	W	256.77	0.1003	0.0390	3.9130	3.1720	318.253
7	W	552.76	0.1121	0.0539	6.0383	4.7298	530.361
7	W	806.47	0.1097	0.0531	5.8261	5.5571	609.513
7	W	1106.47	0.1158	0.0202	2.3362	5.6145	650.090
7	W	1106.47	0.1158	0.0202	2.3362	5.6145	650.090
7	W	1160.68	0.1169	0.0113	1.3235	5.5704	651.131
7	W	1277.11	0.1171	0.0077	0.9011	5.4681	640.323
7	W	1448.70	0.1095	0.0357	3.9108	5.3011	580.367
7	W	1654.00	0.1093	0.0490	5.3546	5.2220	570.645

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
7	W	1785.14	0.1095	0.0490	5.3645	5.2220	571.704
7	W	1800.00	0.0830	0.0490	4.0648	5.2220	433.191
7	W	1800.60	0.0830	0.0390	3.2352	5.6120	465.544
7	W	1980.63	0.0251	0.0390	0.9779	5.6120	140.710
7	W	2280.63	0.0073	0.0390	0.2851	5.6120	41.023
7	W	2404.09	0.0000	0.0390	0.0000	5.6120	0.000
7	X1	0.00	0.0000	0.0000	0.0000	0.0000	0.000
7	X1	57.65	0.0005	0.0000	0.0000	1.3180	0.717
7	X1	83.41	0.0107	0.0000	0.0000	1.3180	14.123
7	X1	131.25	0.4475	0.0000	0.0000	1.3180	589.765
7	X1	375.98	0.4496	0.0000	0.0000	1.3254	595.901
7	X1	459.39	0.4398	0.0000	0.0000	1.3387	588.743
7	X1	554.46	0.4364	0.0000	0.0000	1.3539	590.836
7	X1	611.50	0.4411	0.0000	0.0000	1.3630	601.186
7	X1	670.99	0.4578	0.0053	2.4398	1.4595	668.169
7	X1	783.85	0.4639	0.0200	9.2783	1.7168	796.425
7	X1	840.28	0.4604	0.0273	12.5861	1.8454	849.677
7	X1	953.13	0.4544	0.0375	17.0542	2.0236	919.447
7	X1	1033.48	0.4687	0.0324	15.2083	1.9320	905.584
7	X1	1111.99	0.4518	0.0275	12.4120	1.8425	832.397
7	X1	1156.15	0.4505	0.0247	11.1166	1.7922	807.340
7	X1	1272.68	0.4475	0.0200	8.9494	1.4650	655.545
7	X1	1435.83	0.4522	0.0200	9.0440	0.5361	242.444
7	X1	1639.46	0.4674	0.0200	9.3481	0.3000	140.200
7	X1	1738.21	0.4479	0.0200	8.9580	0.3000	134.400
7	X1	1792.79	0.4284	0.0200	8.5677	0.3000	128.500
7	X1	1800.00	0.0775	0.0200	1.5509	0.3000	23.300
7	X1	1800.60	0.0775	0.0000	0.0000	0.1460	11.322
7	X1	2100.60	0.0419	0.0000	0.0000	0.1460	6.116
7	X1	2400.60	0.0063	0.0000	0.0000	0.1460	0.914
7	X1	2443.55	0.0012	0.0000	0.0000	0.1460	0.169
7	X1	2743.55	0.0004	0.0000	0.0000	0.1460	0.059
7	X1	2903.55	0.0000	0.0000	0.0000	0.1460	0.000

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
1	D	0.00	0.0000	0.0000	0.0000	0.0000	0.000
1	D	232.81	0.0000	0.2240	0.0044	9.8090	0.191
1	D	243.84	0.0038	0.2240	0.8612	9.8090	37.711
1	D	403.74	0.0108	0.2144	2.3180	9.6170	103.968
1	D	447.86	0.0113	0.2087	2.3602	9.5022	107.473
1	D	631.65	0.0337	0.1853	6.2435	9.0207	303.994
1	D	693.53	0.0339	0.1954	6.6305	8.7489	296.910
1	D	849.76	0.0316	0.2209	6.9796	8.0625	254.751
1	D	939.82	0.0419	0.2331	9.7723	7.6541	320.952

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
1	D	1110.76	0.0517	0.2165	11.1930	6.6809	345.357
1	D	1233.90	0.0660	0.2050	13.5362	5.9938	395.770
1	D	1341.73	0.0698	0.2050	14.3049	5.7659	402.344
1	D	1472.84	0.0691	0.2050	14.1699	5.4888	379.393
1	D	1557.39	0.0721	0.2041	14.7165	5.4081	389.969
1	D	1749.15	0.0709	0.1977	14.0245	5.6887	403.556
1	D	1971.55	0.0729	0.1950	14.2250	6.1066	445.469
1	D	2129.61	0.0695	0.1950	13.5428	6.4412	447.342
1	D	2303.61	0.0738	0.1995	14.7182	7.3118	539.563
1	D	2418.79	0.0683	0.2024	13.8246	7.8889	538.825
1	D	2551.12	0.0716	0.2058	14.7365	8.5519	612.377
1	D	2631.99	0.0791	0.2079	16.4484	8.9571	708.755
1	D	2700.00	0.0784	0.2096	16.4401	9.2978	729.227
1	D	2700.60	0.0784	0.2096	16.4413	9.3009	729.463
1	D	2922.40	0.0417	0.2150	8.9592	10.3500	431.291
1	D	2946.29	0.0275	0.2150	5.9060	10.3500	284.313
1	D	3000.00	0.0248	0.2150	5.3386	10.3500	256.998
1	D	3000.60	0.0248	0.0000	0.0000	0.0000	0.000
1	D	3300.60	0.0049	0.0000	0.0000	0.0000	0.000
1	D	3375.15	0.0000	0.0000	0.0000	0.0000	0.000
1	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
1	V	50.85	0.0060	0.1270	0.7558	4.9780	29.626
1	V	128.66	0.0426	0.1270	5.4088	4.9780	212.008
1	V	276.92	0.0979	0.1270	12.4290	4.9780	487.178
1	V	404.97	0.1239	0.1367	16.9452	4.7951	594.193
1	V	475.43	0.1446	0.1459	21.1292	4.6232	669.501
1	V	582.03	0.1471	0.1598	23.5052	4.3631	641.912
1	V	777.47	0.1434	0.1562	22.4003	3.9820	571.169
1	V	875.49	0.1534	0.1496	22.9605	3.8066	584.097
1	V	1037.24	0.1580	0.1531	24.1921	2.8543	450.883
1	V	1127.91	0.1476	0.1592	23.4952	2.1317	314.606
1	V	1191.63	0.1518	0.1634	24.8096	1.6238	246.489
1	V	1200.00	0.1462	0.1640	23.9766	1.5571	227.646
1	V	1200.60	0.1462	0.1640	23.9824	1.5523	226.947
1	V	1327.03	0.1163	0.1534	17.8402	1.6337	190.008
1	V	1362.56	0.0946	0.1488	14.0760	1.7493	165.511
1	V	1477.13	0.0774	0.1339	10.3602	2.1220	164.217
1	V	1545.13	0.0570	0.1270	7.2384	2.2940	130.747
1	V	1665.83	0.0314	0.1270	3.9836	2.2940	71.956
1	V	1800.00	0.0166	0.1270	2.1088	2.2940	38.091
1	V	1800.60	0.0166	0.1460	2.4243	2.3420	38.886
1	V	2100.60	0.0070	0.1460	1.0216	2.3420	16.387
1	V	2187.61	0.0042	0.1460	0.6147	2.3420	9.861
1	V	2209.87	0.0033	0.1460	0.4804	2.3420	7.707
1	V	2486.79	0.0000	0.1460	0.0000	2.3420	0.000
1	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
1	W	85.16	0.0001	0.1270	0.0139	12.3500	1.349
1	W	138.46	0.0130	0.1270	1.6540	12.3500	160.842
1	W	206.47	0.0228	0.1270	2.8965	12.3500	281.669

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC. (UG/ML)	TOTAL P LOAD (UG/SEC)
1	W	317.97	0.0298	0.1270	3.782	12.3500	367.783
1	W	407.42	0.0646	0.1270	8.203	11.1149	717.898
1	W	462.56	0.0793	0.1270	10.071	10.2352	811.679
1	W	589.38	0.0816	0.1270	10.362	8.2120	670.035
1	W	705.79	0.0984	0.1343	13.224	6.9600	685.173
1	W	789.72	0.1211	0.1424	17.256	6.2910	762.122
1	W	882.85	0.1344	0.1514	20.354	5.5488	745.779
1	W	992.51	0.1502	0.1602	24.049	4.9898	749.237
1	W	1100.95	0.1580	0.1674	26.443	4.6721	738.028
1	W	1181.21	0.1511	0.1727	26.100	4.4369	670.376
1	W	1319.67	0.1534	0.1321	20.264	4.1921	643.251
1	W	1410.35	0.1530	0.0876	13.405	4.0890	625.505
1	W	1470.39	0.1434	0.0582	8.349	4.0208	576.723
1	W	1618.04	0.1409	0.0290	4.087	3.9530	557.079
1	W	1739.35	0.1380	0.0290	4.001	3.9530	545.452
1	W	1798.16	0.1400	0.0290	4.060	3.9530	553.489
1	W	1800.00	0.1203	0.0290	3.489	3.9530	475.533
1	W	1800.60	0.1203	0.1370	16.481	4.1970	504.886
1	W	1981.96	0.0496	0.1370	6.789	4.1970	207.977
1	W	2124.71	0.0330	0.1370	4.520	4.1970	138.467
1	W	2335.47	0.0182	0.1370	2.491	4.1970	76.314
1	W	2635.47	0.0045	0.1370	0.620	4.1970	19.000
1	W	2734.92	0.0000	0.1370	0.000	4.1970	0.000
1	X1	0.00	0.0000	0.0000	0.000	0.0000	0.000
1	X1	52.10	0.0933	0.1170	10.921	2.8790	268.733
1	X1	147.71	0.2161	0.1170	25.289	2.8790	622.274
1	X1	186.33	0.2656	0.1170	31.076	2.8790	764.683
1	X1	273.98	0.3089	0.0858	26.511	2.1116	652.343
1	X1	419.85	0.3011	0.0147	4.426	0.3617	108.908
1	X1	530.79	0.3165	0.0000	0.000	0.0000	0.000
1	X1	600.00	0.3205	0.0000	0.000	0.0000	0.000
1	X1	600.60	0.3205	0.0000	0.000	0.0000	0.000
1	X2	0.00	0.0000	0.0000	0.000	0.0000	0.000
1	X2	72.94	0.0125	0.2150	2.698	0.2930	3.676
1	X2	134.84	0.5669	0.2150	121.894	0.2930	166.116
1	X2	171.62	0.7615	0.2150	163.721	0.2930	223.117
1	X2	200.43	0.8528	0.2150	183.352	0.2930	249.870
1	X2	286.85	0.8928	0.1462	130.491	0.2930	261.593
1	X2	381.24	0.9300	0.0616	57.289	0.2930	272.498
1	X2	470.72	0.9153	0.0000	0.000	0.2930	268.181
1	X2	589.02	0.8958	0.0000	0.000	0.2930	262.479
1	X2	600.00	0.8629	0.0000	0.000	0.2930	252.819
1	X2	600.60	0.8629	0.0000	0.000	0.0000	0.000
2	D	0.00	0.0000	0.0000	0.000	0.0000	0.000
2	D	300.00	0.0004	0.0490	0.018	0.1400	0.056
2	D	335.67	0.0004	0.0490	0.021	0.1411	0.060
2	D	468.83	0.0213	0.0490	1.046	3.4551	73.738
2	D	578.06	0.0555	0.0490	2.717	6.1734	342.342
2	D	735.16	0.0834	0.0490	4.086	7.2266	602.661

DEFIANCE RAINULATOR STUDY

TILLAGE=NEW RIDGES RESIDUE=RIDG

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	D	795.91	0.0094	0.0490	0.4614	7.0883	66.750
2	D	854.82	0.0260	0.0490	1.2735	6.9542	180.739
2	D	904.53	0.0579	0.0490	2.8352	6.8410	395.835
2	D	1007.01	0.0987	0.0490	4.8363	6.3572	627.455
2	D	1118.08	0.1208	0.0490	5.9215	5.7429	694.013
2	D	1200.92	0.1286	0.0490	6.3017	5.2848	679.661
2	D	1484.43	0.1249	0.0736	9.1931	4.0478	505.625
2	D	1760.57	0.1455	0.0780	11.3471	0.8921	129.765
2	D	2060.57	0.1557	0.0780	12.1482	2.8883	449.842
2	D	2062.49	0.1558	0.0780	12.1533	2.9123	453.775
2	D	2362.49	0.1539	0.0703	10.8117	3.7952	584.089
2	D	2398.77	0.1537	0.0690	10.6096	3.8010	584.105
2	D	2649.14	0.1599	0.0468	7.4855	3.5927	574.441
2	D	2949.14	0.1563	0.0390	6.1742	3.6206	573.194
2	D	2969.47	0.1582	0.0390	6.1700	3.6305	574.372
2	D	3269.47	0.1486	0.0238	3.5411	2.7644	410.717
2	D	3308.21	0.1473	0.0214	3.1500	2.6195	385.935
2	D	3600.00	0.1426	0.0200	2.8526	2.5380	361.999
2	D	3600.60	0.1426	0.0390	5.5626	3.9530	563.822
2	D	3632.22	0.1423	0.0390	5.5480	3.9530	562.335
2	D	3705.24	0.1150	0.0390	4.4836	3.9530	454.450
2	D	3855.59	0.0532	0.0390	2.0763	3.9530	210.453
2	D	4022.50	0.0144	0.0390	0.5626	3.9530	57.026
2	D	4259.98	0.0000	0.0390	0.0000	3.9530	0.000
2	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	V	93.28	0.0152	0.0200	0.3049	5.0260	76.615
2	V	168.75	0.0570	0.0200	1.1391	5.0260	286.249
2	V	282.28	0.0883	0.0200	1.7661	5.0260	443.820
2	V	435.69	0.1273	0.0440	5.5957	3.8056	484.443
2	V	528.97	0.1487	0.0651	9.6823	2.7286	405.818
2	V	574.38	0.1518	0.0754	11.4431	2.2042	334.558
2	V	867.71	0.1494	0.0801	11.9659	0.7110	106.247
2	V	1167.71	0.1566	0.0859	13.4587	1.1837	185.408
2	V	1183.12	0.1570	0.0864	13.5712	1.2288	192.931
2	V	1459.88	0.1599	0.0727	11.6200	0.9177	146.737
2	V	1759.88	0.1583	0.0680	10.7638	0.7810	123.625
2	V	1775.91	0.1582	0.0680	10.7580	0.7810	123.558
2	V	1800.00	0.1525	0.0680	10.3692	0.7810	119.093
2	V	1800.60	0.1525	0.0000	0.0000	0.1460	22.263
2	V	1890.05	0.1160	0.0000	0.0000	0.1460	16.937
2	V	1982.72	0.0433	0.0000	0.0000	0.1460	6.324
2	V	2268.68	0.0132	0.0000	0.0000	0.1460	1.933
2	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	W	90.21	0.0036	0.1070	0.3852	6.1000	21.963
2	W	130.09	0.0086	0.1070	0.9239	6.1000	52.670
2	W	193.91	0.0603	0.1070	6.4539	6.1000	367.933
2	W	234.42	0.0874	0.1070	9.3503	6.1000	533.055
2	W	281.67	0.0999	0.1070	10.6857	6.1000	609.185
2	W	351.01	0.1104	0.1070	11.8165	5.8949	651.006

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	W	411.76	0.1196	0.1070	12.7945	5.3020	633.985
2	W	622.24	0.1301	0.1070	13.9251	3.2477	422.657
2	W	911.28	0.1301	0.0432	5.6278	0.1980	25.765
2	W	1211.28	0.1342	0.0390	5.2353	0.9610	129.007
2	W	1511.28	0.1383	0.0118	1.6337	3.7703	521.562
2	W	1531.68	0.1386	0.0100	1.3861	3.9530	547.944
2	W	1800.00	0.1476	0.0100	1.4756	3.9530	583.320
2	W	1800.60	0.1476	0.0390	5.7550	3.1230	460.842
2	W	2009.10	0.0683	0.0390	2.6631	3.1230	213.256
2	W	2184.61	0.0355	0.0390	1.3860	3.1230	110.968
2	W	2484.61	0.0171	0.0390	0.6682	3.1230	53.510
2	X1	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	X1	73.53	0.0001	0.0000	0.0000	1.5130	0.106
2	X1	165.43	0.0080	0.0000	0.0000	1.5130	12.079
2	X1	302.07	0.0464	0.0000	0.0000	1.3070	60.687
2	X1	359.05	0.1326	0.0000	0.0000	1.1795	156.442
2	X1	401.33	0.1882	0.0000	0.0000	1.0849	204.165
2	X1	477.92	0.2365	0.0000	0.0000	0.9760	230.863
2	X1	534.29	0.2582	0.0000	0.0000	0.9760	252.033
2	X1	594.95	0.2625	0.0000	0.0000	0.9760	256.186
2	X1	600.00	0.0000	0.0000	0.0000	0.9760	0.000
2	X1	600.60	0.0000	0.0000	0.0000	0.0000	0.000
2	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	X2	18.99	0.2438	0.0000	0.0000	0.1460	35.591
2	X2	55.76	0.2688	0.0000	0.0000	0.1460	39.240
2	X2	98.03	0.4147	0.0000	0.0000	0.1460	60.552
2	X2	129.28	0.6153	0.0000	0.0000	0.1460	69.832
2	X2	181.98	0.7636	0.0000	0.0000	0.1460	111.487
2	X2	245.09	0.8216	0.0000	0.0000	0.1817	149.256
2	X2	344.35	0.8420	0.0000	0.0000	0.2826	237.923
2	X2	430.13	0.8525	0.0000	0.0000	0.3698	315.261
2	X2	514.07	0.8466	0.0000	0.0000	0.3900	330.193
2	X2	600.00	0.8204	0.0000	0.0000	0.3900	319.964
2	X2	600.60	0.8204	0.0000	0.0000	0.0000	0.000
2	X3	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	X3	33.09	0.0143	0.0000	0.0000	0.1950	2.789
2	X3	80.88	0.0263	0.0000	0.0000	0.1950	5.136
2	X3	131.73	0.3334	0.0000	0.0000	0.1950	65.011
2	X3	156.24	0.6259	0.0000	0.0000	0.1950	122.043
2	X3	183.20	0.8466	0.0000	0.0000	0.1950	165.096
2	X3	229.15	0.9688	0.0000	0.0000	0.1833	177.625
2	X3	286.14	1.0587	0.0000	0.0000	0.1487	157.408
2	X3	372.53	1.1179	0.0000	0.0000	0.0961	107.459
2	X3	476.69	1.1105	0.0000	0.0000	0.0490	54.413
2	X3	588.21	1.1071	0.0000	0.0000	0.0490	54.249
2	X3	600.00	0.0000	0.0000	0.0000	0.0490	0.000
2	X4	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	X4	5.51	1.1138	0.0000	0.0000	0.1460	162.620
2	X4	57.60	1.5626	0.0000	0.0000	0.1460	228.142

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	X4	108.45	2.2637	0.0000	0.0000	0.1460	330.500
2	X4	219.35	2.3089	0.0000	0.0000	0.1403	323.962
2	X4	294.10	2.3079	0.0000	0.0000	0.0948	218.877
2	X4	381.11	2.2048	0.0000	0.0000	0.0419	92.401
2	X4	473.63	2.2475	0.0000	0.0000	0.0000	0.000
2	X4	562.47	2.1058	0.0000	0.0000	0.0000	0.000
2	X4	590.66	2.0353	0.0000	0.0000	0.0000	0.000
2	X4	600.00	0.8390	0.0000	0.0000	0.0000	0.000
2	X4	600.60	0.8390	0.0000	0.0000	0.0000	0.000
2	X5	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	X5	36.76	0.0470	0.0000	0.0000	0.1950	9.162
2	X5	67.40	0.5168	0.0000	0.0000	0.1950	100.770
2	X5	94.36	1.5690	0.0000	0.0000	0.1950	305.954
2	X5	128.67	2.9148	0.0000	0.0000	0.1950	568.389
2	X5	428.67	2.9412	0.0000	0.0000	0.1066	313.592
2	X5	600.00	2.9573	0.0000	0.0000	0.0980	289.812
2	X5	600.60	2.9573	0.0000	0.0000	0.0000	0.000
3	D	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	D	59.41	0.0002	0.1270	0.0239	6.9300	1.304
3	D	94.93	0.0008	0.1270	0.1003	6.9300	5.472
3	D	188.64	0.0141	0.1270	1.7951	6.9300	97.955
3	D	272.54	0.0257	0.1270	3.2690	6.9300	178.381
3	D	571.42	0.0421	0.1190	5.0046	5.0840	213.895
3	D	703.71	0.0670	0.0976	6.5563	4.5161	302.639
3	D	806.60	0.0967	0.0711	6.8722	4.3487	420.422
3	D	866.62	0.1049	0.0555	5.8192	4.2511	445.903
3	D	1166.62	0.1211	0.0390	4.7242	3.0706	371.951
3	D	1168.56	0.1212	0.0390	4.7283	3.0618	371.203
3	D	1368.22	0.1376	0.0344	4.7329	2.7143	373.524
3	D	1498.67	0.1403	0.0300	4.2148	2.6504	371.809
3	D	1608.30	0.1307	0.0342	4.4725	2.6222	342.720
3	D	1766.32	0.1272	0.0448	5.6925	2.5964	330.249
3	D	2060.29	0.1293	0.0413	5.3428	2.5492	329.583
3	D	2360.29	0.1298	0.0467	6.0565	0.5897	76.520
3	D	2362.84	0.1298	0.0468	6.0678	0.5681	73.721
3	D	2579.04	0.1281	0.0391	5.0050	1.1153	142.900
3	D	2879.04	0.1229	0.0146	1.7938	2.3906	293.859
3	D	2884.65	0.1228	0.0141	1.7257	2.3960	294.300
3	D	3084.93	0.1224	0.0090	1.0979	2.5380	310.581
3	D	3260.70	0.1231	0.0377	4.6369	2.5380	312.315
3	D	3530.79	0.1263	0.0490	6.1872	2.5380	320.470
3	D	3565.70	0.1201	0.0490	5.8854	2.5380	304.840
3	D	3594.49	0.1078	0.0490	5.2846	2.5380	273.721
3	D	3600.00	0.0865	0.0490	4.2401	2.5380	219.621
3	D	3600.60	0.0865	0.0000	0.0000	2.1960	190.027
3	D	3827.22	0.0433	0.0000	0.0000	2.1960	95.020
3	D	4074.04	0.0210	0.0000	0.0000	2.1960	46.066
3	D	4268.19	0.0142	0.0000	0.0000	2.1960	31.202
3	D	4522.97	0.0000	0.0000	0.0000	2.1960	0.000

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	V	46.55	0.0017	0.0590	0.1006	3.1720	5.407
3	V	123.10	0.0279	0.0590	1.6452	3.1720	88.449
3	V	210.07	0.0682	0.0590	4.0230	3.1720	216.289
3	V	266.42	0.0782	0.0590	4.6144	3.1720	248.084
3	V	447.70	0.0859	0.0704	6.0441	2.8848	247.747
3	V	577.54	0.1014	0.0829	8.4055	2.5680	260.285
3	V	719.63	0.1024	0.0880	9.0103	2.7316	279.690
3	V	916.23	0.0915	0.0880	8.0523	3.3712	308.476
3	V	1097.52	0.0818	0.0444	3.6377	3.3071	270.674
3	V	1207.76	0.0833	0.0158	1.3145	3.2355	269.476
3	V	1378.63	0.0865	0.0244	2.1086	3.2453	280.824
3	V	1524.40	0.0812	0.0385	3.1231	3.2691	265.477
3	V	1665.87	0.0895	0.0390	3.4905	3.2700	292.667
3	V	1800.00	0.0781	0.0390	3.0441	3.2700	255.238
3	V	1800.60	0.0781	0.0200	1.5611	3.4160	266.633
3	V	1902.28	0.0540	0.0200	1.0807	3.4160	184.591
3	V	2032.73	0.0095	0.0200	0.1895	3.4160	32.367
3	V	2245.25	0.0000	0.0200	0.0000	3.4160	0.000
3	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	W	56.96	0.0002	0.0490	0.0103	1.0000	0.200
3	W	123.72	0.0117	0.0490	0.5718	1.0000	11.700
3	W	191.70	0.0465	0.0490	2.2761	1.0000	46.500
3	W	241.31	0.0618	0.0490	3.0304	1.0000	61.800
3	W	292.75	0.0694	0.0490	3.3991	1.0000	69.400
3	W	411.57	0.0864	0.0517	4.4670	1.1675	100.838
3	W	477.10	0.0918	0.0539	4.9504	2.1055	193.367
3	W	569.58	0.0965	0.0570	5.4978	3.4292	330.837
3	W	734.33	0.0969	0.0656	6.3559	4.2603	412.726
3	W	883.16	0.0945	0.0750	7.0939	4.2121	398.233
3	W	1129.98	0.0900	0.0780	7.0200	3.8717	346.451
3	W	1403.74	0.0893	0.0328	2.9326	3.6239	323.736
3	W	1668.94	0.0809	0.0000	0.0000	3.5620	288.132
3	W	1800.00	0.0804	0.0000	0.0000	3.5620	286.437
3	W	1800.60	0.0804	0.0490	3.9403	3.3670	270.756
3	W	1948.21	0.0544	0.0490	2.6674	3.3670	183.288
3	W	2208.51	0.0093	0.0490	0.4553	3.3670	31.284
3	W	2508.51	0.0033	0.0490	0.1627	3.3670	11.182
3	W	2611.50	0.0013	0.0490	0.0623	3.3670	4.280
3	W	2911.50	0.0005	0.0490	0.0249	3.3670	1.708
3	W	3110.65	0.0000	0.0490	0.0000	3.3670	0.000
3	X1	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X1	35.54	0.0002	0.0490	0.0115	1.7080	0.401
3	X1	82.10	0.0134	0.0490	0.6564	1.7080	22.882
3	X1	116.42	0.0712	0.0490	3.4877	1.7080	121.570
3	X1	164.21	0.1710	0.0490	8.3785	1.7080	292.051
3	X1	240.18	0.2619	0.0490	12.8342	1.6528	432.903
3	X1	294.72	0.2764	0.0490	13.5420	1.5530	429.211
3	X1	389.69	0.2887	0.0490	14.1470	1.3793	398.232

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC. (UG/ML)	TOTAL P LOAD (UG/SEC)
3	X1	437.48	0.2873	0.0490	14.0772	1.2919	371.151
3	X1	581.47	0.3010	0.0490	14.7480	1.2690	361.943
3	X1	595.56	0.2884	0.0490	14.1296	1.2690	365.927
3	X1	600.00	0.2760	0.0490	13.5249	1.2690	350.268
3	X1	600.60	0.2760	0.0000	0.0000	0.0000	0.000
3	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X2	46.57	0.0515	0.0490	2.5239	0.7320	37.704
3	X2	85.78	0.2739	0.0490	13.4227	0.7320	200.518
3	X2	121.32	0.5402	0.0490	26.4706	0.7320	395.438
3	X2	169.11	0.6994	0.0490	34.2706	0.7320	511.960
3	X2	227.93	0.7865	0.0453	35.6576	0.7101	558.474
3	X2	276.33	0.8498	0.0355	30.1301	0.6510	553.213
3	X2	416.03	0.9091	0.0069	6.3048	0.4805	436.809
3	X2	581.47	0.9202	0.0000	0.0000	0.4390	403.972
3	X2	600.00	0.8994	0.0000	0.0000	0.4390	394.843
3	X2	600.60	0.8994	0.0000	0.0000	0.0000	0.000
3	X3	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X3	28.18	0.0610	0.0000	0.0000	0.2440	14.882
3	X3	60.05	0.4910	0.0000	0.0000	0.2440	119.795
3	X3	102.94	0.9287	0.0000	0.0000	0.2440	226.609
3	X3	160.53	1.1056	0.0000	0.0000	0.2440	269.760
3	X3	291.04	1.2475	0.0000	0.0000	0.2275	283.741
3	X3	435.64	1.3111	0.0000	0.0000	0.1979	259.513
3	X3	572.27	1.3214	0.0000	0.0000	0.1950	257.667
3	X3	600.00	1.2729	0.0000	0.0000	0.1950	248.212
3	X3	600.60	1.2729	0.0000	0.0000	0.0000	0.000
3	X4	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X4	18.38	0.2417	0.0100	2.4166	0.2930	70.807
3	X4	42.28	0.8579	0.0100	8.5794	0.2930	251.376
3	X4	81.49	1.7226	0.0100	17.2258	0.2930	504.717
3	X4	122.54	1.9581	0.0100	19.5811	0.2930	573.727
3	X4	192.39	2.1195	0.0100	21.1953	0.2930	621.021
3	X4	281.85	2.1868	0.0070	15.3213	0.2783	608.650
3	X4	409.29	2.2343	0.0017	3.7897	0.2523	563.741
3	X4	567.99	2.3066	0.0000	0.0000	0.2440	562.811
3	X4	599.85	2.3087	0.0000	0.0000	0.2440	563.326
3	X4	600.00	0.9679	0.0000	0.0000	0.2440	236.169
3	X4	600.60	0.9679	0.0000	0.0000	0.0000	0.000
2	D	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	D	258.96	0.0727	0.1370	9.9567	5.1240	372.397
2	D	359.36	0.0977	0.1398	13.6659	5.0524	493.753
2	D	422.41	0.1141	0.1459	16.6468	4.8985	558.780
2	D	561.99	0.1289	0.1594	20.5545	4.5579	587.647
2	D	708.31	0.1385	0.1404	19.4430	4.4176	611.674
2	D	865.03	0.1419	0.0892	12.6575	4.4688	633.952
2	D	1165.03	0.1474	0.0758	11.1747	3.9925	588.326
2	D	1166.23	0.1474	0.0759	11.1823	3.9900	588.039
2	D	1461.92	0.1573	0.1460	22.9648	3.6285	570.625
2	D	1761.92	0.1559	0.1660	25.8729	3.4113	531.681

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	D	1768.01	0.1558	0.1660	25.8682	3.4073	530.967
2	D	2045.34	0.1587	0.0612	9.7128	3.2270	512.123
2	D	2338.58	0.1657	0.0061	1.0101	3.1039	514.376
2	D	2638.58	0.1657	0.0410	6.7979	0.9368	155.245
2	D	2650.18	0.1657	0.0433	7.1762	0.8179	135.537
2	D	2942.81	0.1677	0.1484	24.8809	1.5925	267.041
2	D	3228.09	0.1687	0.0952	16.0568	2.6313	443.812
2	D	3528.09	0.1785	0.0490	8.7458	2.8300	505.115
2	D	3548.86	0.1792	0.0490	8.7791	2.8300	507.040
2	D	3600.00	0.1362	0.0490	6.6747	2.8300	385.498
2	D	3600.60	0.1362	0.0590	8.0369	2.2450	305.810
2	D	3870.90	0.0613	0.0590	3.6196	2.2450	137.731
2	D	4170.90	0.0346	0.0590	2.0402	2.2450	77.630
2	D	4382.08	0.0157	0.0590	0.9283	2.2450	35.322
2	D	4682.08	0.0081	0.0590	0.4770	2.2450	18.150
2	D	4982.08	0.0004	0.0590	0.0257	2.2450	0.978
2	D	4999.17	0.0000	0.0590	0.0000	2.2450	0.000
2	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	V	44.69	0.0063	0.0590	0.3732	2.7330	17.285
2	V	146.31	0.0421	0.0590	2.4859	2.7330	115.153
2	V	273.65	0.0932	0.0590	5.4965	2.7330	254.611
2	V	426.09	0.1344	0.0433	5.8218	2.7016	363.189
2	V	582.81	0.1509	0.0177	2.6717	2.6504	399.882
2	V	874.82	0.1580	0.0418	6.6078	2.4359	384.818
2	V	1174.82	0.1608	0.0490	7.8792	2.3910	384.472
2	V	1181.53	0.1609	0.0490	7.8823	2.3910	384.623
2	V	1481.53	0.1654	0.0574	9.4937	2.3499	388.769
2	V	1483.96	0.1655	0.0575	9.5091	2.3495	388.790
2	V	1783.32	0.1645	0.0590	9.7055	2.3420	385.260
2	V	1800.00	0.1259	0.0590	7.4276	2.3420	294.836
2	V	1800.60	0.1259	0.0000	0.0000	2.1960	276.456
2	V	2049.62	0.0808	0.0000	0.0000	2.1960	177.370
2	V	2295.11	0.0416	0.0000	0.0000	2.1960	91.379
2	V	2595.11	0.0109	0.0000	0.0000	2.1960	23.935
2	V	2622.63	0.0081	0.0000	0.0000	2.1960	17.747
2	V	2922.63	0.0012	0.0000	0.0000	2.1960	2.543
2	V	2972.81	0.0000	0.0000	0.0000	2.1960	0.000
2	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	W	35.51	0.0018	0.0590	0.1082	3.0740	5.638
2	W	104.68	0.0109	0.0590	0.6411	3.0740	33.402
2	W	178.15	0.0457	0.0590	2.6988	3.0740	140.610
2	W	270.59	0.0824	0.0590	4.8594	3.0740	253.185
2	W	396.09	0.1159	0.0610	7.0700	3.0634	355.159
2	W	503.22	0.1318	0.0642	8.4597	3.0463	401.434
2	W	580.97	0.1364	0.0665	9.0774	3.0338	413.944
2	W	855.23	0.1518	0.1123	17.0481	2.7324	414.823
2	W	1155.23	0.1561	0.0684	10.6816	2.5622	399.889
2	W	1171.74	0.1563	0.0641	10.0269	2.5568	399.655
2	W	1460.08	0.1626	0.0191	3.1031	2.5004	406.457

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	W	1665.16	0.1633	0.0100	1.6328	2.4890	406.41
2	W	1765.56	0.1597	0.0100	1.5966	2.4890	397.39
2	W	1800.00	0.0968	0.0100	0.9677	2.4890	240.86
2	W	1800.60	0.0968	0.0290	2.8063	2.2450	217.24
2	W	2100.60	0.0598	0.0290	1.7328	2.2450	134.14
2	W	2297.56	0.0354	0.0290	1.0280	2.2450	79.56
2	W	2597.56	0.0194	0.0290	0.5632	2.2450	43.60
2	W	2645.90	0.0168	0.0290	0.4883	2.2450	37.60
2	W	2945.90	0.0072	0.0290	0.2091	2.2450	16.19
2	W	3170.55	0.0000	0.0290	0.0000	2.2450	0.00
2	X1	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	X1	75.91	0.0071	0.0880	0.6216	2.8790	20.34
2	X1	183.64	0.0808	0.0880	7.1097	2.8790	232.60
2	X1	284.65	0.2281	0.0759	17.3060	2.4084	549.36
2	X1	330.56	0.3431	0.0684	23.4744	2.1190	727.12
2	X1	361.78	0.4168	0.0633	26.3962	1.9222	801.09
2	X1	421.77	0.4800	0.0536	25.7248	1.5440	741.19
2	X1	574.19	0.5225	0.0490	25.6047	1.3660	713.80
2	X1	600.00	0.5170	0.0490	25.3340	1.3660	706.25
2	X1	600.60	0.5170	0.0000	0.0000	0.0000	0.00
2	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	X2	103.45	0.1486	0.0390	5.7947	1.0740	159.58
2	X2	176.91	0.5587	0.0390	21.7888	1.0740	600.03
2	X2	206.90	0.7624	0.0390	29.7326	1.0740	818.79
2	X2	265.06	0.8376	0.0301	25.1732	0.9396	787.00
2	X2	342.80	0.8682	0.0174	15.1246	0.7497	650.95
2	X2	404.01	0.8718	0.0075	6.5148	0.6003	523.32
2	X2	565.01	0.8754	0.0000	0.0000	0.4880	427.18
2	X2	600.00	0.8446	0.0000	0.0000	0.4880	412.18
2	X2	600.60	0.8446	0.0000	0.0000	0.0000	0.00
2	X3	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	X3	61.21	0.3232	0.0000	0.0000	0.4880	157.72
2	X3	102.84	0.5750	0.0000	0.0000	0.4880	280.61
2	X3	151.20	1.1938	0.0000	0.0000	0.4880	582.56
2	X3	223.43	1.3003	0.0011	1.4554	0.4771	620.37
2	X3	387.49	1.3244	0.0148	19.5882	0.3438	455.31
2	X3	552.76	1.3354	0.0200	26.7078	0.2930	391.27
2	X3	600.00	1.2960	0.0200	25.9197	0.2930	379.72
2	X3	600.60	1.2960	0.0000	0.0000	0.0000	0.00
2	X4	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	X4	66.11	0.0739	0.0200	1.4776	0.4880	36.05
2	X4	101.62	1.9814	0.0200	39.6286	0.4880	966.94
2	X4	152.42	2.2074	0.0200	44.1486	0.4880	1077.23
2	X4	244.24	2.4634	0.0171	42.2396	0.4532	1116.40
2	X4	334.23	2.6212	0.0096	25.2884	0.3617	948.10
2	X4	481.14	2.5956	0.0000	0.0000	0.2440	633.33
2	X4	587.65	2.5966	0.0000	0.0000	0.2440	633.56
2	X4	600.00	1.2070	0.0000	0.0000	0.2440	294.51
2	X4	600.60	1.2070	0.0000	0.0000	0.0000	0.00

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	X5	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	X5	38.56	0.1160	0.0000	0.0000	0.0490	5.682
2	X5	67.33	2.6999	0.0000	0.0000	0.0490	132.295
2	X5	367.33	2.6947	0.0000	0.0000	0.0490	132.040
2	X5	600.00	2.6905	0.0000	0.0000	0.0490	131.835
2	X5	600.60	2.6905	0.0000	0.0000	0.0000	0.000
3	D	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	D	112.04	0.0001	0.1070	0.0082	4.4900	0.345
3	D	194.08	0.0021	0.1070	0.2274	4.4900	9.544
3	D	375.31	0.0056	0.1070	0.6013	4.4900	25.233
3	D	675.31	0.0063	0.1115	0.7040	4.6226	29.180
3	D	702.24	0.0064	0.1142	0.7281	4.7014	29.970
3	D	837.55	0.0081	0.1278	1.0316	5.0974	41.160
3	D	1113.06	0.0081	0.1132	0.9211	5.6957	46.343
3	D	1219.59	0.0116	0.0994	1.1499	5.8864	68.129
3	D	1346.33	0.0231	0.0980	2.2592	4.9399	113.880
3	D	1493.88	0.0445	0.0980	4.3597	3.7157	165.297
3	D	1654.29	0.0587	0.1017	5.9696	3.1533	185.042
3	D	1758.98	0.0643	0.1049	6.7413	2.9321	188.484
3	D	2049.18	0.0802	0.1289	10.3358	0.7494	60.084
3	D	2349.18	0.0917	0.1224	11.2226	1.5686	143.838
3	D	2365.71	0.0923	0.1213	11.1985	1.6869	155.757
3	D	2513.88	0.0976	0.1198	11.6973	1.5467	151.027
3	D	2670.00	0.1027	0.1250	12.8371	0.4294	44.098
3	D	2966.94	0.1091	0.0267	2.9119	1.8497	201.757
3	D	3260.20	0.1177	0.0077	0.9033	1.7435	205.228
3	D	3560.20	0.1255	0.0100	1.2550	1.5620	196.038
3	D	3562.65	0.1256	0.0100	1.2557	1.5620	196.137
3	D	3593.88	0.1234	0.0100	1.2342	1.5620	192.785
3	D	3600.00	0.0935	0.0100	0.9346	1.5620	145.982
3	D	3600.60	0.0935	0.0000	0.0000	1.3180	123.179
3	D	3900.60	0.0491	0.0000	0.0000	1.3180	64.777
3	D	3977.76	0.0378	0.0000	0.0000	1.3180	49.758
3	D	4277.75	0.0127	0.0000	0.0000	1.3180	16.677
3	D	4308.37	0.0101	0.0000	0.0000	1.3180	13.301
3	D	4608.37	0.0028	0.0000	0.0000	1.3180	3.745
3	D	4725.92	0.0000	0.0000	0.0000	1.3180	0.000
3	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	V	56.33	0.0124	0.0880	1.0901	3.2700	40.506
3	V	269.39	0.0489	0.0880	4.3013	3.2700	159.834
3	V	394.90	0.0683	0.0902	6.1590	3.1432	214.713
3	V	598.16	0.0996	0.0969	9.6526	2.7462	273.448
3	V	729.80	0.1207	0.0980	11.8244	2.5380	306.224
3	V	1029.80	0.1309	0.0654	8.5620	2.2613	296.042
3	V	1174.90	0.1359	0.0180	2.4458	2.2850	310.483
3	V	1463.27	0.1365	0.0225	3.0791	2.0281	276.933
3	V	1763.27	0.1341	0.0290	3.8900	1.9520	261.836
3	V	1768.16	0.1341	0.0290	3.8888	1.9520	261.759
3	V	1800.00	0.1186	0.0290	3.4440	1.9520	231.820

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	V	1800.60	0.1188	0.0290	3.4440	2.0980	249.159
3	V	1983.06	0.0411	0.0290	1.1906	2.0980	86.136
3	V	2063.27	0.0167	0.0290	0.4829	2.0980	34.938
3	V	2306.33	0.0014	0.0290	0.0395	2.0980	2.856
3	V	2468.57	0.0000	0.0290	0.0000	2.0980	0.000
3	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	W	70.41	0.0202	0.0590	1.1946	5.1240	103.751
3	W	206.33	0.0246	0.0590	1.4617	5.1240	126.944
3	W	288.96	0.0381	0.0590	2.2495	5.1240	195.364
3	W	433.47	0.0632	0.0725	4.5771	4.2321	267.366
3	W	571.22	0.0899	0.0904	8.1243	3.0446	273.749
3	W	741.43	0.1059	0.1013	10.7286	2.5198	266.758
3	W	888.98	0.1194	0.1058	12.6279	2.4957	297.964
3	W	1175.51	0.1312	0.0358	4.6982	1.9301	253.274
3	W	1475.51	0.1327	0.0274	3.6314	2.0450	271.372
3	W	1488.98	0.1328	0.0278	3.6869	2.0581	273.248
3	W	1788.98	0.1336	0.0290	3.8749	2.0980	280.330
3	W	1800.00	0.1337	0.0290	3.8760	2.0980	280.406
3	W	1800.60	0.1337	0.0590	7.8856	2.2940	306.602
3	W	1978.78	0.1165	0.0590	6.8711	2.2940	267.159
3	W	2164.90	0.0809	0.0590	4.7717	2.2940	185.531
3	W	2328.98	0.0561	0.0590	3.3109	2.2940	128.733
3	W	2628.98	0.0240	0.0590	1.4188	2.2940	55.164
3	W	2632.65	0.0237	0.0590	1.3956	2.2940	54.263
3	W	2932.65	0.0033	0.0590	0.1959	2.2940	7.616
3	W	2981.63	0.0000	0.0590	0.0000	2.2940	0.000
3	X1	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X1	0.61	0.0000	0.1370	0.0009	0.6830	0.005
3	X1	100.94	0.0044	0.1370	0.6044	0.6830	3.013
3	X1	182.31	0.0178	0.1370	2.4419	0.6830	12.174
3	X1	307.72	0.0379	0.0812	3.0778	0.6630	25.127
3	X1	364.62	0.1585	0.0487	7.7246	0.6514	103.246
3	X1	411.11	0.2209	0.0222	4.9042	0.6419	141.828
3	X1	536.53	0.2744	0.0000	0.0000	0.6340	173.949
3	X1	595.87	0.2670	0.0000	0.0000	0.6340	169.288
3	X1	600.00	0.0000	0.0000	0.0000	0.6340	0.000
3	X1	600.60	0.0000	0.0000	0.0000	0.0000	0.000
3	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	X2	30.59	0.2747	0.0100	2.7470	0.5860	160.977
3	X2	72.80	0.3076	0.0100	3.0761	0.5860	180.259
3	X2	141.93	0.7064	0.0100	7.0637	0.5860	413.934
3	X2	182.31	0.7905	0.0100	7.9046	0.5860	463.212
3	X2	243.49	0.8389	0.0086	7.2189	0.5655	474.415
3	X2	367.07	0.8578	0.0035	2.9642	0.4898	420.144
3	X2	500.43	0.8537	0.0000	0.0000	0.4390	374.753
3	X2	595.26	0.8625	0.0000	0.0000	0.4390	378.654
3	X2	600.00	0.0000	0.0000	0.0000	0.4390	0.000
3	X2	600.60	0.0000	0.0000	0.0000	0.0000	0.000
3	X3	0.00	0.0000	0.0000	0.0000	0.0000	0.000

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=NEW RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	X3	9.79	0.9010	0.0290	26.1277	0.0980	88.29
3	X3	43.44	1.1230	0.0290	32.5678	0.0980	110.06
3	X3	116.24	1.2942	0.0290	37.5318	0.0980	126.83
3	X3	245.32	1.3492	0.0247	33.3691	0.1123	151.49
3	X3	367.07	1.3256	0.0100	13.2842	0.1615	214.06
3	X3	439.26	1.3190	0.0013	1.7124	0.1907	251.48
3	X3	542.03	1.3205	0.0000	0.0000	0.1950	257.49
3	X3	594.65	1.2424	0.0000	0.0000	0.1950	242.26
3	X3	600.00	0.5915	0.0000	0.0000	0.1950	115.34
3	X3	600.60	0.5915	0.0000	0.0000	0.0000	0.00
3	X4	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	X4	96.05	0.0174	0.0290	0.5041	0.2930	5.09
3	X4	132.14	2.1063	0.0290	61.1418	0.2930	617.74
3	X4	184.76	2.3733	0.0290	68.8252	0.2930	695.37
3	X4	267.96	2.4107	0.0220	53.0276	0.3283	791.33
3	X4	357.89	2.4424	0.0111	27.1845	0.3830	935.37
3	X4	436.81	2.4375	0.0016	3.8852	0.4310	1050.49
3	X4	530.41	2.4325	0.0000	0.0000	0.4390	1067.87
3	X4	590.36	2.5409	0.0000	0.0000	0.4390	1115.47
3	X4	600.00	0.0000	0.0000	0.0000	0.4390	0.00
3	X4	600.60	0.0000	0.0000	0.0000	0.0000	0.00
3	X5	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	X5	6.13	2.8256	0.0000	0.0000	0.0000	0.00
3	X5	306.13	2.8261	0.0000	0.0000	0.0196	55.47
3	X5	572.05	2.8266	0.0000	0.0000	0.0490	138.51
3	X5	600.00	2.8085	0.0000	0.0000	0.0490	137.62
3	X5	600.60	2.8085	0.0000	0.0000	0.0000	0.00

---------- TILLAGE=OLD RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
1	V	0.00	0.0000	0.0000	0.0000	0.0000	0.00
1	V	73.63	0.0000	0.5760	0.0253	0.0000	0.00
1	V	140.51	0.1215	0.5760	69.9811	0.0000	0.00
1	V	254.64	0.1330	0.5760	76.6087	0.0000	0.00
1	V	408.04	0.1312	0.5708	74.9080	1.9423	254.89
1	V	551.63	0.1260	0.5612	70.7128	5.5156	694.95
1	V	723.44	0.1354	0.4893	66.2816	7.5270	1019.53
1	V	832.04	0.1377	0.4119	56.7116	7.5980	1046.18
1	V	1005.08	0.1284	0.3420	43.9078	7.6620	983.69
1	V	1141.91	0.1370	0.3420	46.8596	7.6620	1049.82
1	V	1188.55	0.1337	0.3420	45.7140	7.6620	1024.15
1	V	1320.47	0.1400	0.3420	47.8630	7.6620	1072.30
1	V	1370.17	0.1404	0.3420	48.0182	7.6620	1075.78
1	V	1386.13	0.1413	0.3420	48.3293	7.6620	1082.75
1	V	1428.46	0.1406	0.3420	48.0959	7.6620	1077.52

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
1	V	1573.27	0.1350	0.3420	46.171	7.6620	1034.39
1	V	1686.18	0.1243	0.3420	42.501	7.6620	952.16
1	V	1756.13	0.1137	0.3420	38.900	7.6620	871.51
1	V	1800.00	0.0792	0.3420	27.092	7.6620	606.97
1	V	1800.60	0.0792	0.3420	27.092	7.6620	606.97
1	V	1873.33	0.0349	0.3420	11.947	7.6620	267.66
1	V	1911.37	0.0053	0.3420	1.805	7.6620	40.43
1	V	1971.50	0.0004	0.3420	0.133	7.6620	2.99
1	V	2102.61	0.0000	0.3420	0.000	7.6620	0.00
1	W	0.00	0.0000	0.0000	0.000	0.0000	0.00
1	W	129.47	0.0000	0.5080	0.005	8.2470	0.08
1	W	133.77	0.0129	0.5080	6.546	8.2470	106.26
1	W	165.67	0.0610	0.5080	31.008	8.2470	503.40
1	W	203.72	0.1125	0.5080	57.155	8.2470	927.86
1	W	248.51	0.1381	0.5080	70.176	8.2470	1139.25
1	W	295.14	0.1466	0.5080	74.471	8.2470	1208.96
1	W	377.98	0.1524	0.4424	67.443	8.1690	1245.26
1	W	463.88	0.1731	0.3250	56.254	8.0292	1369.66
1	W	549.17	0.1751	0.2085	36.497	7.8905	1381.46
1	W	634.46	0.1837	0.0997	18.323	7.7626	1426.08
1	W	744.91	0.1853	0.1428	26.457	7.8525	1454.70
1	W	755.34	0.1436	0.1469	21.092	7.8609	1128.83
1	W	779.27	0.1475	0.1562	23.046	7.8804	1162.55
1	W	887.88	0.1196	0.1986	23.747	7.9687	952.97
1	W	1149.89	0.1226	0.2150	26.350	8.0030	980.85
1	W	1449.89	0.1227	0.2150	26.391	8.0030	982.35
1	W	1491.67	0.1228	0.2150	26.396	8.0030	982.56
1	W	1783.74	0.1251	0.2150	26.904	8.0030	1001.45
1	W	1800.00	0.1046	0.2150	22.496	8.0030	837.37
1	W	1800.60	0.1046	0.2150	22.496	8.0030	837.37
1	W	1882.53	0.0628	0.2150	13.494	8.0030	502.27
1	W	1919.35	0.0263	0.2150	5.660	8.0030	210.67
1	W	1964.75	0.0055	0.2150	1.179	8.0030	43.88
1	W	2071.52	0.0000	0.2150	0.000	8.0030	0.00
1	X1	0.00	0.0000	0.0000	0.000	0.0000	0.00
1	X1	44.18	0.0002	0.5370	0.108	12.8300	2.57
1	X1	76.70	0.0043	0.5370	2.335	12.8300	55.79
1	X1	97.56	0.1088	0.5370	58.448	12.8300	1396.43
1	X1	130.08	0.2376	0.5370	127.614	12.8300	3046.97
1	X1	169.97	0.2756	0.5370	148.009	12.8300	3536.23
1	X1	283.48	0.2924	0.5609	163.978	9.4693	2768.42
1	X1	411.73	0.3247	0.6026	195.671	3.6044	1170.46
1	X1	463.88	0.3485	0.6150	214.335	1.8540	646.14
1	X1	542.42	0.3650	0.6150	224.449	1.8540	676.63
1	X1	599.49	0.2969	0.6150	182.580	1.8540	550.41
1	X1	600.00	0.2355	0.6150	144.808	1.8540	436.54
1	X1	600.60	0.2355	0.0000	0.000	0.0000	0.00
1	X2	0.00	0.0000	0.0000	0.000	0.0000	0.00
1	X2	41.11	0.0003	0.5760	0.199	4.6850	1.62

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
1	X2	45.41	0.1630	0.5760	93.87	4.6850	763.53
1	X2	61.97	0.5950	0.5760	342.74	4.6850	2787.72
1	X2	98.79	1.2163	0.5760	700.59	4.6850	5698.37
1	X2	235.62	1.2114	0.5687	688.96	4.3463	5265.11
1	X2	371.23	1.2212	0.5303	647.64	2.5541	3119.12
1	X2	525.24	1.2163	0.5080	617.88	1.5130	1840.26
1	X2	599.49	1.1655	0.5080	592.09	1.5130	1763.46
1	X2	600.00	1.0791	0.5080	548.19	1.5130	1632.70
1	X2	600.60	1.0791	0.0000	0.00	0.0000	0.00
1	X3	0.00	0.0000	0.0000	0.00	0.0000	0.00
1	X3	2.45	0.0195	0.6050	11.78	4.1970	81.75
1	X3	3.07	0.7219	0.6050	436.74	4.1970	3029.72
1	X3	15.95	1.7906	0.6050	1083.29	4.1970	7515.02
1	X3	251.56	1.8942	0.6100	1155.49	3.6983	7005.15
1	X3	326.44	1.9364	0.6191	1198.78	2.8003	5422.49
1	X3	427.68	1.9338	0.6313	1220.80	1.5857	3066.47
1	X3	539.97	1.9320	0.6340	1224.89	1.3180	2546.38
1	X3	566.35	1.8429	0.6340	1168.38	1.3180	2428.91
1	X3	590.28	0.9896	0.6340	627.44	1.3180	1304.35
1	X3	600.00	0.4563	0.6340	289.27	1.3180	601.36
1	X3	600.60	0.4563	0.0000	0.00	0.0000	0.00
1	X4	0.00	0.0000	0.0000	0.00	0.0000	0.00
1	X4	28.23	0.2896	0.5360	155.22	3.0740	890.20
1	X4	36.82	0.8280	0.5360	443.82	3.0740	2545.36
1	X4	58.29	1.6073	0.5360	861.53	3.0740	4940.92
1	X4	133.15	1.7889	0.5360	958.83	3.0740	5498.96
1	X4	162.60	1.8231	0.5360	977.16	3.0740	5604.11
1	X4	194.51	2.3026	0.5360	1234.21	3.0740	7078.31
1	X4	279.19	2.4228	0.5617	1360.77	2.4974	6050.73
1	X4	387.80	2.4228	0.6019	1458.35	1.5924	3857.96
1	X4	531.38	2.4307	0.6250	1519.19	1.0740	2610.56
1	X4	584.76	2.3853	0.6250	1490.84	1.0740	2561.86
1	X4	600.00	0.9532	0.6250	595.74	1.0740	1023.72
1	X4	600.60	0.9532	0.0000	0.00	0.0000	0.00
1	X5	0.00	0.0000	0.0000	0.00	0.0000	0.00
1	X5	73.69	3.0279	0.6640	2010.51	1.0740	3251.94
1	X5	373.69	3.0329	0.6640	2013.83	1.0740	3257.31
1	X5	600.00	3.0379	0.6640	2017.13	1.0740	3262.65
2	D	0.00	0.0000	0.0000	0.00	0.0000	0.00
2	D	107.44	0.0000	0.1560	0.00	1.1710	0.03
2	D	194.61	0.0015	0.1560	0.23	1.1710	1.71
2	D	307.57	0.0027	0.1560	0.42	1.1710	3.18
2	D	442.02	0.0029	0.1963	0.58	4.2325	12.48
2	D	537.79	0.0033	0.2308	0.76	6.8499	22.66
2	D	609.62	0.0190	0.2567	4.88	8.8130	167.61
2	D	712.14	0.0524	0.2613	13.70	8.5549	448.61
2	D	884.04	0.1067	0.2555	27.28	6.8491	731.09
2	D	1069.44	0.1438	0.2401	34.53	6.9828	1004.39
2	D	1189.15	0.1630	0.2281	37.19	7.4892	1220.96

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	D	1294.13	0.1818	0.2261	41.1066	7.3802	1341.56
2	D	1430.42	0.1880	0.2307	43.3612	6.7815	1274.72
2	D	1569.78	0.1966	0.2405	47.2917	6.4541	1269.13
2	D	1777.90	0.1890	0.2745	51.8819	7.0299	1328.73
2	D	1934.45	0.2023	0.2764	55.8991	6.8850	1392.50
2	D	2078.72	0.1924	0.2672	51.4225	6.4859	1247.98
2	D	2234.04	0.1888	0.2775	52.3832	6.4626	1219.82
2	D	2394.27	0.1985	0.2984	59.2244	6.6453	1319.11
2	D	2515.21	0.2001	0.3056	61.1435	6.5749	1315.68
2	D	2686.34	0.1868	0.3108	58.6545	6.3493	1198.44
2	D	2878.65	0.1958	0.2639	51.6908	6.7786	1327.56
2	D	2998.98	0.1885	0.2250	42.4163	7.1701	1351.49
2	D	3082.47	0.1877	0.2150	40.3578	7.2710	1364.84
2	D	3241.47	0.2068	0.2150	44.4717	7.2710	1503.97
2	D	3401.71	0.1906	0.2150	40.9745	7.2710	1385.70
2	D	3477.22	0.2004	0.2150	43.0802	7.2710	1456.91
2	D	3587.72	0.1795	0.2150	38.5878	7.2710	1304.99
2	D	3600.00	0.1345	0.2150	28.9259	7.2710	978.23
2	D	3600.60	0.1345	0.2150	28.9259	7.2710	978.23
2	D	3736.29	0.0892	0.2150	19.1716	7.2710	648.36
2	D	3862.76	0.0430	0.2150	9.2401	7.2710	312.49
2	D	4070.87	0.0060	0.2150	1.2872	7.2710	43.53
2	D	4370.87	0.0001	0.2150	0.0139	7.2710	0.47
2	D	4374.15	0.0000	0.2150	0.0000	7.2710	0.00
2	V	0.00	0.0000	0.0000	0.0000	0.0000	0.00
2	V	0.00	0.0000	0.3120	0.0103	7.9540	0.26
2	V	26.45	0.0113	0.3120	3.5278	7.9540	89.94
2	V	34.44	0.0268	0.3120	8.3671	7.9540	213.31
2	V	56.59	0.0620	0.3120	19.3578	7.9540	493.50
2	V	84.88	0.0955	0.3120	29.8087	7.9540	759.93
2	V	166.68	0.1341	0.3120	41.8525	7.9540	1066.97
2	V	233.73	0.1304	0.3120	40.6812	7.9540	1037.11
2	V	520.35	0.1293	0.1978	25.5731	6.9946	904.36
2	V	820.35	0.1325	0.2342	31.0277	3.4072	451.49
2	V	827.88	0.1326	0.2382	31.5828	3.2871	435.84
2	V	961.97	0.1475	0.2919	43.0739	2.2778	336.08
2	V	1072.68	0.1469	0.2882	42.3289	4.4208	649.20
2	V	1165.56	0.1350	0.2851	38.5044	6.2186	839.71
2	V	1315.63	0.1402	0.2719	38.1171	7.3547	1031.16
2	V	1435.57	0.1230	0.2563	31.5286	7.1988	885.63
2	V	1526.60	0.1321	0.2444	32.3027	7.0804	935.67
2	V	1622.55	0.1293	0.2440	31.5476	7.0760	914.88
2	V	1727.11	0.1471	0.2440	35.8882	7.0760	1040.76
2	V	1799.08	0.1134	0.2440	27.6638	7.0760	802.25
2	V	1800.00	0.0143	0.2440	3.4833	7.0760	101.02
2	V	1800.60	0.0143	0.2440	3.4833	7.0760	101.02
2	V	2100.60	0.0084	0.2440	2.0461	7.0760	59.34
2	V	2146.59	0.0075	0.2440	1.8258	7.0760	52.95
2	V	2278.83	0.0000	0.2440	0.0000	7.0760	0.00

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	W	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	W	193.38	0.0676	0.3220	21.756	8.9800	606.73
2	W	245.57	0.1014	0.3220	32.644	8.9800	910.38
2	W	256.62	0.1108	0.3220	35.676	8.9800	994.95
2	W	284.86	0.1200	0.3220	38.626	8.9800	1077.21
2	W	348.09	0.1268	0.3209	40.693	8.9623	1136.66
2	W	438.34	0.1568	0.3151	49.398	8.8738	1390.99
2	W	569.10	0.1592	0.3069	48.837	8.7457	1391.91
2	W	708.46	0.1601	0.3004	48.097	8.1117	1298.84
2	W	863.78	0.1539	0.2952	45.430	6.9747	1073.35
2	W	1062.69	0.1534	0.2713	41.626	7.1809	1101.66
2	W	1362.69	0.1594	0.2528	40.301	8.0953	1290.31
2	W	1423.67	0.1606	0.2569	41.261	8.1153	1303.34
2	W	1723.67	0.1652	0.2640	43.614	8.1500	1346.42
2	W	1800.00	0.1665	0.2640	43.946	8.1500	1356.65
2	W	1800.60	0.1665	0.2640	43.946	8.1500	1356.65
2	W	1813.51	0.0758	0.2640	20.005	8.1500	617.58
2	W	1866.92	0.0428	0.2640	11.311	8.1500	349.18
2	W	2029.60	0.0000	0.2640	0.000	8.1500	0.00
2	X1	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X1	52.68	0.0000	0.3030	0.009	3.9530	0.11
2	X1	123.13	0.1425	0.3030	43.173	3.9530	563.24
2	X1	162.95	0.2924	0.3030	88.596	3.9530	1155.84
2	X1	267.71	0.3613	0.2349	84.882	3.8590	1394.17
2	X1	420.25	0.3605	0.0551	19.857	3.6105	1301.60
2	X1	590.56	0.3532	0.0200	7.064	3.5620	1258.19
2	X1	600.00	0.3022	0.0200	6.044	3.5620	1076.43
2	X1	600.60	0.3022	0.0000	0.000	0.0000	0.00
2	X2	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X2	32.47	0.0135	0.1560	2.102	1.8540	24.98
2	X2	66.77	0.1777	0.1560	27.721	1.8540	329.46
2	X2	81.48	0.5272	0.1560	82.238	1.8540	977.37
2	X2	118.85	0.8976	0.1560	140.033	1.8540	1664.24
2	X2	154.99	0.9374	0.1560	146.240	1.8540	1738.01
2	X2	264.65	1.0048	0.1494	150.114	1.7875	1796.10
2	X2	391.46	1.0306	0.1341	138.174	1.6332	1683.18
2	X2	517.04	1.0475	0.1270	133.034	1.5620	1636.22
2	X2	597.29	1.0119	0.1270	128.506	1.5620	1580.53
2	X2	600.00	0.8880	0.1270	112.774	1.5620	1387.03
2	X2	600.60	0.8880	0.0000	0.000	0.0000	0.00
2	X3	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X3	43.50	0.0130	0.0680	0.884	0.9760	12.69
2	X3	64.32	0.2879	0.0680	19.577	0.9760	280.99
2	X3	75.35	0.7581	0.0680	51.554	0.9760	739.95
2	X3	96.18	1.2974	0.0680	88.226	0.9760	1266.30
2	X3	164.18	1.3422	0.0680	91.267	0.9760	1309.94
2	X3	293.44	1.3326	0.0478	63.744	0.9590	1277.88
2	X3	400.65	1.3318	0.0219	29.203	0.9371	1248.02
2	X3	567.28	1.3237	0.0100	13.237	0.9270	1227.10

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	X3	597.91	1.3127	0.0100	13.127	0.9270	1216.92
2	X3	600.00	0.6012	0.0100	6.012	0.9270	557.31
2	X4	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X4	38.59	0.0374	0.0680	2.542	0.4880	18.24
2	X4	50.65	0.7322	0.0680	49.789	0.4880	357.31
2	X4	54.52	1.9730	0.0680	134.166	0.4880	962.84
2	X4	72.29	2.4447	0.0680	166.238	0.4880	1193.00
2	X4	118.85	2.5584	0.0680	173.974	0.4880	1248.52
2	X4	166.02	2.5534	0.0680	173.628	0.4880	1246.04
2	X4	275.06	2.5534	0.0707	180.550	0.4219	1077.14
2	X4	397.58	2.5605	0.0758	194.125	0.2973	761.20
2	X4	528.68	2.5615	0.0780	199.797	0.2440	625.00
2	X4	600.00	2.5239	0.0780	196.867	0.2440	615.64
2	X5	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X5	43.50	0.0383	0.0680	2.602	0.3420	13.09
2	X5	53.91	2.7958	0.0680	190.113	0.3420	956.16
2	X5	353.91	2.7924	0.0506	141.326	0.1369	382.36
2	X5	600.00	2.7894	0.0390	108.787	0.0000	0.00
2	X5	600.60	2.7894	0.0000	0.000	0.0000	0.00
3	D	0.00	0.0000	0.0000	0.000	0.0000	0.00
3	D	173.44	0.0000	0.2240	0.004	5.7100	0.11
3	D	250.05	0.0027	0.2240	0.604	5.7100	15.41
3	D	333.40	0.0436	0.2238	9.760	5.6967	248.45
3	D	458.43	0.1166	0.2159	25.176	5.2083	607.42
3	D	620.22	0.1131	0.2056	23.257	4.5762	517.60
3	D	733.61	0.1240	0.2015	24.997	4.3864	544.03
3	D	787.54	0.1585	0.1997	31.670	4.3075	682.94
3	D	916.24	0.1727	0.1955	33.762	4.1191	711.50
3	D	1094.59	0.1785	0.1895	33.830	4.0721	726.91
3	D	1206.74	0.1859	0.1858	34.538	4.0538	753.66
3	D	1448.83	0.1798	0.1850	33.258	4.0150	721.80
3	D	1510.73	0.1788	0.1850	33.071	4.0051	715.95
3	D	1572.01	0.1765	0.1864	32.898	3.9678	700.28
3	D	1809.19	0.1882	0.1943	36.577	3.7749	710.60
3	D	1850.87	0.1656	0.1862	30.824	3.7716	624.46
3	D	2097.24	0.1465	0.0819	11.996	3.9317	576.14
3	D	2172.01	0.1383	0.0777	10.742	3.9666	548.65
3	D	2417.77	0.1415	0.1342	18.986	4.0460	572.47
3	D	2540.35	0.1463	0.1513	22.142	4.0680	595.17
3	D	2658.63	0.1500	0.1667	25.012	4.0873	613.20
3	D	2903.78	0.1408	0.1134	15.973	3.9860	561.26
3	D	3019.61	0.1438	0.0717	10.314	3.9108	562.26
3	D	3244.54	0.1493	0.0680	10.154	3.9040	582.96
3	D	3489.68	0.1426	0.0680	9.699	3.9040	556.82
3	D	3600.00	0.1234	0.0680	8.390	3.9040	481.69
3	D	3600.60	0.1234	0.0680	8.390	3.9040	481.69
3	D	3872.73	0.0459	0.0680	3.121	3.9040	179.21
3	D	4172.73	0.0279	0.0680	1.896	3.9040	108.86
3	D	4245.97	0.0235	0.0680	1.597	3.9040	91.69

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC. (UG/ML)	TOTAL P LOAD (UG/SEC)
3	D	4545.97	0.0109	0.0680	0.7446	3.9040	42.746
3	D	4807.97	0.0000	0.0680	0.0000	3.9040	0.000
3	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	V	56.38	0.0095	0.1850	1.7573	3.4650	32.913
3	V	126.25	0.0679	0.1850	12.5647	3.4650	235.333
3	V	182.64	0.1152	0.1850	21.3066	3.4650	399.066
3	V	225.54	0.1352	0.1850	25.0081	3.4650	468.395
3	V	305.82	0.1404	0.1850	25.9650	3.4650	486.318
3	V	375.08	0.1383	0.1821	25.1938	3.6190	500.570
3	V	465.17	0.1543	0.1764	27.2175	3.9268	605.751
3	V	614.10	0.1531	0.1670	25.5651	4.4357	679.001
3	V	726.86	0.1597	0.1660	26.5184	4.4425	709.692
3	V	917.47	0.1571	0.1660	26.0807	4.3491	683.306
3	V	1046.78	0.1668	0.1621	27.0387	4.2671	711.731
3	V	1138.10	0.1685	0.1591	26.8049	4.2077	709.074
3	V	1217.77	0.1685	0.1564	26.3573	4.1559	700.347
3	V	1294.99	0.1678	0.1413	23.7017	4.1268	692.381
3	V	1454.95	0.1648	0.1050	17.3097	4.0745	671.634
3	V	1635.14	0.1634	0.0880	14.3771	4.0500	661.675
3	V	1746.07	0.1634	0.0880	14.3771	4.0500	661.675
3	V	1800.00	0.1622	0.0880	14.2704	4.0500	656.761
3	V	1800.60	0.1622	0.1760	28.5407	4.0000	648.800
3	V	1860.06	0.1196	0.1760	21.0427	4.0000	478.400
3	V	2004.70	0.0445	0.1760	7.8407	4.0000	178.000
3	V	2239.43	0.0265	0.1760	4.6610	4.0000	106.000
3	V	2539.43	0.0205	0.1760	3.6001	4.0000	82.000
3	V	2580.80	0.0196	0.1760	3.4538	4.0000	78.400
3	V	2880.80	0.0026	0.1760	0.4562	4.0000	10.400
3	V	2926.46	0.0000	0.1760	0.0000	4.0000	0.000
3	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	W	63.74	0.0053	0.1850	0.9837	3.6110	19.200
3	W	149.54	0.0782	0.1850	14.4650	3.6110	282.340
3	W	189.99	0.1200	0.1850	22.1969	3.6110	433.258
3	W	231.05	0.1401	0.1850	25.9231	3.6110	505.990
3	W	277.63	0.1505	0.1850	27.8411	3.6110	543.428
3	W	288.05	0.1270	0.1850	23.5031	3.6110	458.756
3	W	319.92	0.1442	0.1850	26.6828	3.6110	520.819
3	W	397.75	0.1514	0.1850	28.0146	3.6442	551.842
3	W	574.26	0.1629	0.1850	30.1348	3.7307	607.694
3	W	676.61	0.1479	0.1866	27.5963	3.8565	570.480
3	W	846.99	0.1636	0.1922	31.4531	4.2166	669.913
3	W	1032.69	0.1614	0.1416	22.8600	2.8887	466.339
3	W	1176.71	0.1500	0.0667	10.0082	0.7802	117.042
3	W	1342.19	0.1597	0.0390	6.2302	1.5145	241.942
3	W	1614.91	0.1526	0.0390	5.9516	4.0500	618.055
3	W	1683.55	0.1600	0.0390	6.2396	4.0500	647.959
3	W	1743.62	0.1547	0.0390	6.0346	4.0500	626.671
3	W	1777.32	0.1163	0.0390	4.6137	4.0500	479.111
3	W	1800.00	0.0741	0.0390	2.8887	4.0500	299.960

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	W	1800.60	0.0741	0.0390	2.8887	4.0500	299.98
3	W	2078.86	0.0256	0.0390	1.0000	4.0500	103.84
3	W	2378.86	0.0175	0.0390	0.6813	4.0500	70.75
3	W	2445.35	0.0157	0.0390	0.6107	4.0500	63.42
3	W	2672.11	0.0000	0.0390	0.0000	4.0500	0.00
3	X1	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	X1	48.38	0.0000	0.1850	0.0029	3.0260	0.05
3	X1	79.61	0.0168	0.1850	3.1126	3.0260	50.91
3	X1	106.55	0.1109	0.1850	20.5086	3.0260	335.45
3	X1	137.17	0.2758	0.1850	51.0220	3.0260	834.55
3	X1	165.33	0.3084	0.1850	57.0483	3.0260	933.13
3	X1	298.21	0.3181	0.1817	57.7888	2.7029	859.69
3	X1	410.89	0.3112	0.1775	55.2321	2.2903	712.76
3	X1	585.41	0.3145	0.1760	55.3438	2.1470	675.13
3	X1	600.00	0.2795	0.1760	49.1943	2.1470	600.12
3	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	X2	52.66	0.0125	0.0000	0.0000	0.8300	10.40
3	X2	64.91	0.1652	0.0000	0.0000	0.8300	137.12
3	X2	82.05	0.6165	0.0000	0.0000	0.8300	511.74
3	X2	100.43	0.8601	0.0000	0.0000	0.8300	713.87
3	X2	150.03	0.8833	0.0000	0.0000	0.8300	733.17
3	X2	278.01	0.9008	0.0028	2.5526	0.7470	672.90
3	X2	398.64	0.9069	0.0079	7.1282	0.5997	543.87
3	X2	570.10	0.9222	0.0100	9.2217	0.5370	495.20
3	X2	600.00	0.8744	0.0100	8.7436	0.5370	469.53
3	X3	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	X3	40.42	0.0290	0.0590	1.7094	0.9760	28.26
3	X3	42.86	0.2108	0.0590	12.4386	0.9760	205.76
3	X3	60.01	0.7038	0.0590	41.5229	0.9760	686.89
3	X3	68.58	1.1132	0.0590	65.6783	0.9760	1086.47
3	X3	80.22	1.2122	0.0590	71.5211	0.9760	1183.13
3	X3	137.78	1.2640	0.0590	74.5773	0.9760	1233.69
3	X3	266.37	1.2726	0.0498	63.4279	0.8844	1125.52
3	X3	375.98	1.2965	0.0320	41.5238	0.7063	915.68
3	X3	552.95	1.3162	0.0200	26.3233	0.5860	771.27
3	X3	600.00	1.2683	0.0200	25.3666	0.5860	743.24
3	X4	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	X4	39.19	0.0922	0.0000	0.0000	0.3420	31.55
3	X4	42.86	0.3386	0.0000	0.0000	0.3420	115.81
3	X4	48.99	1.1166	0.0000	0.0000	0.3420	381.86
3	X4	50.82	2.0615	0.0000	0.0000	0.3420	705.05
3	X4	83.28	2.4701	0.0000	0.0000	0.3420	844.76
3	X4	261.47	2.5102	0.0021	5.3837	0.3105	779.35
3	X4	373.53	2.5142	0.0068	17.1317	0.2418	608.03
3	X4	510.09	2.5021	0.0100	25.0215	0.1950	487.92
3	X4	575.00	2.4243	0.0100	24.2429	0.1950	472.74
3	X4	593.98	2.3331	0.0100	23.3306	0.1950	454.95
3	X4	600.00	0.7567	0.0100	7.5675	0.1950	147.57
3	X5	0.00	0.0000	0.0000	0.0000	0.0000	0.00

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=NONE ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	X5	36.13	0.0409	0	0	0.342	13.980
3	X5	52.66	0.9148	0	0	0.342	312.870
3	X5	58.79	2.4531	0	0	0.342	838.959
3	X5	66.75	2.7567	0	0	0.342	942.806
3	X5	366.75	2.7626	0	0	0.214	591.162
3	X5	600.00	2.7673	0	0	0.146	404.027
3	X5	600.60	2.7673	0	0	0.000	0.000

---------- TILLAGE=OLD RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
1	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
1	V	82.74	0.0114	0.6050	6.9241	2.0010	22.901
1	V	181.41	0.0251	0.6050	15.1976	2.0010	50.265
1	V	308.27	0.0456	0.6050	27.5995	2.0010	91.284
1	V	419.20	0.0651	0.6225	40.5545	2.0156	131.301
1	V	598.16	0.0859	0.6577	56.4839	2.0448	175.599
1	V	751.99	0.0997	0.5607	55.8998	1.9703	196.427
1	V	900.31	0.1068	0.4351	46.4542	1.8734	199.998
1	V	1038.20	0.1134	0.4100	46.5009	1.8540	210.275
1	V	1200.00	0.1198	0.4100	49.1335	1.8540	222.179
1	V	1372.83	0.1260	0.4100	51.6528	1.8540	233.571
1	V	1491.73	0.1302	0.4100	53.3688	1.8540	241.331
1	V	1630.23	0.1304	0.4100	53.4650	1.8540	241.766
1	V	1798.16	0.1323	0.4100	54.2378	1.8540	245.261
1	V	1800.00	0.1070	0.4100	43.8570	1.8540	198.319
1	V	1800.60	0.1070	0.4100	43.8570	1.8540	198.319
1	V	1923.80	0.1087	0.4100	44.5542	1.8540	201.472
1	V	2058.63	0.0838	0.4100	34.3456	1.8540	155.309
1	V	2129.11	0.0737	0.4100	30.2336	1.8540	136.715
1	V	2429.11	0.0466	0.4100	19.1043	1.8540	86.389
1	V	2466.80	0.0432	0.4100	17.7060	1.8540	80.066
1	V	2766.80	0.0319	0.4100	13.0738	1.8540	59.119
1	V	2826.56	0.0296	0.4100	12.1512	1.8540	54.947
1	V	3126.56	0.0236	0.4100	9.6672	1.8540	43.714
1	V	3151.38	0.0231	0.4100	9.4616	1.8540	42.785
1	V	3451.38	0.0181	0.4100	7.4266	1.8540	33.583
1	V	3517.88	0.0170	0.4100	6.9755	1.8540	31.543
1	V	3817.88	0.0123	0.4100	5.0625	1.8540	22.892
1	V	3827.99	0.0122	0.4100	4.9980	1.8540	22.601
1	V	3967.72	0.0121	0.4100	4.9418	1.8540	22.346
1	V	4015.53	0.0000	0.4100	0.0000	1.8540	0.000
1	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
1	W	71.71	0.0000	1.0930	0.0000	1.8540	0.000
1	W	117.67	0.0012	1.0930	1.3320	1.8540	2.259
1	W	223.70	0.0015	1.0930	1.6751	1.8540	2.841

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
1	W	308.27	0.0100	1.0930	10.879	1.8540	18.454
1	W	413.07	0.0293	0.9634	28.259	1.9083	55.974
1	W	587.13	0.0569	0.6919	39.357	2.0220	115.020
1	W	739.12	0.0763	0.6141	46.885	2.0675	157.849
1	W	891.73	0.0867	0.5988	51.914	2.0919	181.349
1	W	1062.10	0.0993	0.5950	59.075	2.0980	208.303
1	W	1192.65	0.1095	0.5950	65.167	2.0980	229.782
1	W	1359.35	0.1189	0.5950	70.770	2.0980	249.539
1	W	1497.85	0.1210	0.5950	71.973	2.0980	253.782
1	W	1633.91	0.1219	0.5950	72.512	2.0980	255.679
1	W	1787.74	0.1237	0.5950	73.594	2.0980	259.497
1	W	1800.00	0.0942	0.5950	56.043	2.0980	197.612
1	W	1800.60	0.0942	0.5950	56.043	2.0980	197.612
1	W	1912.16	0.1047	0.5950	62.269	2.0980	219.563
1	W	2081.31	0.0770	0.5950	45.797	2.0980	161.481
1	W	2381.31	0.0465	0.5950	27.686	2.0980	97.621
1	W	2397.55	0.0449	0.5950	26.705	2.0980	94.164
1	W	2672.73	0.0329	0.5950	19.555	2.0980	68.952
1	W	2911.75	0.0240	0.5950	14.278	2.0980	50.344
1	W	3158.12	0.0177	0.5950	10.505	2.0980	37.042
1	W	3458.12	0.0132	0.5950	7.846	2.0980	27.666
1	W	3468.85	0.0130	0.5950	7.751	2.0980	27.331
1	W	3734.22	0.0109	0.5950	6.495	2.0980	22.901
1	W	3852.50	0.0103	0.5950	6.111	2.0980	21.546
1	W	3910.11	0.0000	0.5950	0.000	2.0980	0.000
1	X1	0.00	0.0000	0.0000	0.000	0.0000	0.000
1	X1	39.21	0.0125	0.5660	7.068	2.6840	33.516
1	X1	120.69	0.0178	0.5660	10.102	2.6840	47.903
1	X1	187.47	0.0223	0.5660	12.622	2.6840	59.855
1	X1	286.11	0.0374	0.5660	21.182	2.6840	100.445
1	X1	417.22	0.0972	0.5660	55.043	2.6840	261.017
1	X1	496.87	0.1563	0.5660	88.475	2.6840	419.551
1	X1	573.45	0.1777	0.5660	100.574	2.6840	476.929
1	X1	600.00	0.1482	0.5660	83.861	2.6840	397.674
1	X1	600.60	0.1482	0.5660	83.861	2.6840	397.674
1	X2	0.00	0.0000	0.0000	0.000	0.0000	0.000
1	X2	28.13	0.0362	0.5860	21.231	2.5860	93.693
1	X2	90.50	0.0522	0.5860	30.610	2.5860	135.079
1	X2	221.35	0.0608	0.5638	34.264	2.4637	149.722
1	X2	252.54	0.1838	0.5029	92.420	2.1277	391.028
1	X2	310.62	0.3712	0.3894	144.545	1.5018	557.512
1	X2	369.32	0.5059	0.2747	138.953	0.8693	439.786
1	X2	443.92	0.6332	0.1289	81.598	0.0655	41.455
1	X2	473.27	0.5993	0.1170	70.118	0.2000	119.900
1	X2	562.55	0.5941	0.1170	69.510	0.2000	118.800
1	X2	600.00	0.5771	0.1170	67.521	0.2000	115.400
1	X3	0.00	0.0000	0.0000	0.000	0.0000	0.000
1	X3	141.25	0.0936	0.2830	26.490	0.7810	73.104
1	X3	202.39	0.1829	0.2830	51.771	0.7810	142.875

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD (UG/SEC)
1	X3	306.96	0.4603	0.2515	115.754	0.6428	295.88
1	X3	341.20	0.5233	0.2404	125.771	0.5940	310.84
1	X3	421.30	0.5434	0.2143	116.460	0.4799	260.76
1	X3	496.51	0.5374	0.2050	110.176	0.4390	235.94
1	X3	558.27	0.5160	0.2050	105.780	0.4390	226.52
1	X3	600.00	0.4960	0.2050	101.670	0.4390	217.72
1	X3	600.60	0.4960	0.0000	0.000	0.0000	0.00
1	X4	0.00	0.0000	0.0000	0.000	0.0000	0.00
1	X4	96.00	0.1071	0.2730	29.239	0.5860	62.76
1	X4	166.50	0.5252	0.2730	143.380	0.5860	307.77
1	X4	222.57	0.8911	0.2725	242.857	0.5681	506.23
1	X4	329.58	0.9592	0.2685	257.547	0.4156	398.62
1	X4	432.31	1.0668	0.2647	282.344	0.2692	287.20
1	X4	446.98	1.2240	0.2641	323.263	0.2483	303.91
1	X4	459.82	1.3371	0.2640	353.000	0.2440	326.26
1	X4	590.68	1.3546	0.2640	357.621	0.2440	330.53
1	X4	600.00	1.2698	0.2640	335.235	0.2440	309.84
1	X4	600.60	1.2698	0.0000	0.000	0.0000	0.00
1	X5	0.00	0.0000	0.0000	0.000	0.0000	0.00
1	X5	77.66	0.3512	0.2730	95.884	0.3900	136.96
1	X5	117.40	1.4152	0.2730	386.349	0.3900	551.93
1	X5	147.36	3.3130	0.2730	904.437	0.3900	1292.05
1	X5	447.36	3.3041	0.2641	872.612	0.3425	1131.75
1	X5	492.84	3.3028	0.2640	871.932	0.3420	1129.55
1	X5	591.90	2.8568	0.2640	754.188	0.3420	977.02
1	X5	600.00	1.0326	0.2640	272.597	0.3420	353.14
2	D	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	D	52.72	0.0000	0.1850	0.000	4.0000	0.00
2	D	201.67	0.0030	0.1850	0.546	4.0000	12.00
2	D	501.67	0.0040	0.1798	0.721	2.7644	11.09
2	D	663.85	0.0046	0.1837	0.842	4.5832	21.00
2	D	731.89	0.0068	0.1991	1.361	4.0852	27.92
2	D	891.86	0.0165	0.2354	3.883	2.9141	48.07
2	D	1072.09	0.0269	0.2487	6.693	1.3870	37.32
2	D	1191.62	0.0369	0.2527	9.321	0.3371	12.43
2	D	1428.23	0.0492	0.2606	12.831	1.3546	66.69
2	D	1487.08	0.0499	0.2626	13.095	1.7567	87.61
2	D	1609.06	0.0543	0.2690	14.612	1.9857	107.86
2	D	1791.11	0.0600	0.2805	16.843	1.8376	110.33
2	D	2066.95	0.0704	0.2909	20.488	1.8439	129.87
2	D	2366.95	0.0792	0.1232	9.757	1.7774	140.76
2	D	2382.02	0.0796	0.1124	8.951	1.7725	141.17
2	D	2490.52	0.0817	0.1155	9.439	1.7766	145.16
2	D	2678.09	0.0796	0.2318	18.463	1.8372	146.33
2	D	2875.46	0.0795	0.2543	20.214	1.8540	147.37
2	D	2982.12	0.0827	0.2472	20.435	1.8540	153.27
2	D	3223.63	0.0844	0.2440	20.604	1.8540	156.55
2	D	3266.54	0.0801	0.2440	19.549	1.8540	148.54
2	D	3412.43	0.0862	0.2440	21.040	1.8540	159.87

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	D	3582.22	0.0867	0.2440	21.1599	1.8540	160.781
2	D	3600.00	0.0689	0.2440	16.8224	1.8540	127.823
2	D	3600.60	0.0689	0.2440	16.8224	1.8540	127.823
2	D	3900.60	0.0404	0.2440	9.8629	1.8540	74.942
2	D	3918.75	0.0387	0.2440	9.4419	1.8540	71.743
2	D	4218.75	0.0222	0.2440	5.4171	1.8540	41.161
2	D	4319.63	0.0167	0.2440	4.0637	1.8540	30.877
2	D	4619.63	0.0022	0.2440	0.5311	1.8540	4.036
2	D	4664.74	0.0000	0.2440	0.0000	1.8540	0.000
2	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	V	72.29	0.0085	0.1660	1.4167	2.3420	19.988
2	V	326.52	0.0386	0.1660	6.3998	2.3420	90.291
2	V	467.42	0.0495	0.1706	8.4389	2.0951	103.648
2	V	634.05	0.0644	0.1748	11.2620	1.8926	121.931
2	V	737.58	0.0718	0.1444	10.3696	4.1838	300.356
2	V	931.78	0.0808	0.0877	7.0800	8.4015	678.631
2	V	1159.06	0.0986	0.0430	4.2342	3.2256	317.979
2	V	1236.25	0.0976	0.0288	2.8111	1.6100	157.061
2	V	1348.97	0.0990	0.0254	2.5173	1.6100	159.369
2	V	1464.75	0.0972	0.0220	2.1334	1.6100	156.430
2	V	1634.44	0.0956	0.0200	1.9111	1.6100	153.842
2	V	1800.00	0.1004	0.0200	2.0084	1.6100	161.674
2	V	1800.60	0.1004	0.0200	2.0084	1.6100	161.674
2	V	1903.99	0.0841	0.0200	1.6829	1.6100	135.471
2	V	2059.59	0.0599	0.0200	1.1979	1.6100	96.430
2	V	2359.59	0.0160	0.0200	0.3208	1.6100	25.827
2	V	2402.65	0.0097	0.0200	0.1949	1.6100	15.693
2	V	2702.65	0.0008	0.0200	0.0158	1.6100	1.274
2	V	2704.67	0.0007	0.0200	0.0146	1.6100	1.177
2	V	3004.67	0.0004	0.0200	0.0071	1.6100	0.570
2	V	3286.65	0.0000	0.0200	0.0000	1.6100	0.000
2	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000
2	W	163.66	0.0049	0.2930	1.4355	3.4650	16.976
2	W	300.36	0.0136	0.2930	3.9721	3.4650	46.974
2	W	594.59	0.0481	0.2842	13.6668	2.5178	121.086
2	W	723.31	0.0630	0.2830	17.8275	2.2694	142.959
2	W	872.88	0.0757	0.2830	21.4361	2.0745	157.131
2	W	1080.06	0.0885	0.2735	24.2129	2.0000	177.062
2	W	1200.20	0.0875	0.2659	23.2762	2.0000	175.083
2	W	1446.62	0.0880	0.1723	15.1684	1.5422	135.770
2	W	1509.14	0.0864	0.1458	12.5987	1.4101	121.822
2	W	1658.71	0.0895	0.1370	12.2650	1.3660	122.292
2	W	1800.00	0.0937	0.1370	12.8398	1.3660	128.023
2	W	1800.60	0.0937	0.1370	12.8398	1.3660	128.023
2	W	1986.65	0.0675	0.1370	9.2436	1.3660	92.166
2	W	2286.65	0.0386	0.1370	5.2822	1.3660	52.668
2	W	2312.14	0.0361	0.1370	4.9456	1.3660	49.312
2	W	2612.14	0.0230	0.1370	3.1560	1.3660	31.468
2	W	2620.47	0.0227	0.1370	3.1063	1.3660	30.973

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
2	W	2881.59	0.0160	0.1370	2.185	1.3660	21.79
2	W	3076.52	0.0120	0.1370	1.646	1.3660	16.41
2	W	3376.52	0.0007	0.1370	0.094	1.3660	0.94
2	W	3394.65	0.0000	0.1370	0.000	1.3660	0.00
2	X1	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X1	137.14	0.0091	0.1560	1.422	2.4400	22.24
2	X1	296.94	0.0276	0.1067	2.946	1.9274	53.20
2	X1	407.14	0.1252	0.0443	5.544	1.2777	159.96
2	X1	491.63	0.1966	0.0200	3.973	1.0250	203.61
2	X1	595.10	0.2237	0.0200	4.475	1.0250	229.32
2	X1	600.00	0.1943	0.0200	3.886	1.0250	199.13
2	X1	600.60	0.1943	0.0000	0.000	0.0000	0.00
2	X2	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X2	116.33	0.0565	0.1850	10.449	1.0250	57.90
2	X2	175.10	0.1277	0.1850	23.632	1.0250	130.94
2	X2	221.02	0.3900	0.1774	69.201	0.9981	389.29
2	X2	293.88	0.5482	0.1273	69.800	0.8202	449.60
2	X2	389.39	0.6075	0.0617	37.464	0.5670	356.59
2	X2	478.78	0.5831	0.0200	11.661	0.4390	255.96
2	X2	587.76	0.5851	0.0200	11.702	0.4390	256.87
2	X2	600.00	0.5562	0.0200	11.123	0.4390	244.15
2	X2	600.60	0.5562	0.0000	0.000	0.0000	0.00
2	X3	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X3	137.76	0.0171	0.1370	2.348	1.5620	26.77
2	X3	210.00	0.5774	0.1370	79.107	1.5620	901.93
2	X3	266.33	0.8329	0.1163	96.900	1.2869	1071.83
2	X3	287.76	1.0771	0.1085	116.849	1.1823	1273.40
2	X3	451.84	1.1214	0.0490	54.950	0.3900	437.36
2	X3	600.00	1.1520	0.0490	56.449	0.3900	449.29
2	X3	600.60	1.1520	0.0000	0.000	0.0000	0.00
2	X4	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X4	61.84	0.2448	0.0490	11.995	0.2440	59.73
2	X4	153.67	1.9089	0.0490	93.536	0.2440	465.77
2	X4	180.61	2.3522	0.0490	115.259	0.2440	573.94
2	X4	333.06	2.3629	0.0439	103.665	0.5942	1404.05
2	X4	501.43	2.3907	0.0390	93.238	0.9270	2216.20
2	X4	585.92	2.4285	0.0390	94.710	0.9270	2251.19
2	X4	600.00	0.5841	0.0390	22.779	0.9270	541.45
2	X4	600.60	0.5841	0.0000	0.000	0.0000	0.00
2	X5	0.00	0.0000	0.0000	0.000	0.0000	0.00
2	X5	57.55	1.1156	0.0490	54.667	0.1460	162.88
2	X5	80.82	2.1059	0.0490	103.188	0.1460	307.46
2	X5	144.49	3.1547	0.0490	154.581	0.1460	460.59
2	X5	444.49	3.1744	0.0392	124.530	0.0991	314.59
2	X5	600.00	3.1858	0.0390	124.247	0.0980	312.21
2	X5	600.60	3.1858	0.0000	0.000	0.0000	0.00
3	D	0.00	0.0000	0.0000	0.000	0.0000	0.00
3	D	101.05	0.0000	0.1850	0.005	3.0260	0.08
3	D	401.05	0.0054	0.1874	1.014	2.6793	14.50

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	D	418.31	0.0057	0.1879	1.0752	2.5951	14.846
3	D	587.34	0.0448	0.1936	8.6796	1.7702	79.370
3	D	715.96	0.0581	0.2033	11.8115	1.4921	86.685
3	D	902.76	0.0850	0.2214	18.8060	1.3402	113.852
3	D	1061.99	0.0970	0.2112	20.4819	1.2533	121.522
3	D	1180.81	0.1021	0.1998	20.3886	1.1951	121.982
3	D	1428.24	0.1073	0.1824	19.5787	1.0421	111.835
3	D	1485.20	0.1080	0.1788	19.3057	1.0051	108.504
3	D	1594.83	0.1097	0.1779	19.5142	0.9654	105.871
3	D	1784.69	0.1147	0.1836	21.0574	0.9344	107.144
3	D	2060.29	0.1116	0.1781	19.8763	0.9646	107.658
3	D	2360.29	0.1064	0.0931	9.9084	0.9384	99.876
3	D	2383.06	0.1060	0.0849	9.0029	0.9347	99.113
3	D	2498.81	0.1092	0.0591	6.4508	0.8935	97.602
3	D	2680.10	0.1092	0.0355	3.8765	0.8053	87.965
3	D	2859.54	0.1046	0.0627	6.5545	0.8229	86.048
3	D	2979.56	0.1044	0.0939	9.7985	0.8617	89.926
3	D	3228.24	0.1065	0.1070	11.3917	0.8780	93.476
3	D	3396.67	0.1031	0.1070	11.0323	0.8780	90.527
3	D	3570.60	0.0931	0.1070	9.9598	0.8780	81.726
3	D	3600.00	0.0813	0.1070	8.6940	0.8780	71.340
3	D	3600.60	0.0813	0.1070	8.6940	0.8780	71.340
3	D	3900.60	0.0514	0.1070	5.5002	0.8780	45.132
3	D	4063.63	0.0352	0.1070	3.7646	0.8780	30.891
3	D	4363.63	0.0224	0.1070	2.3962	0.8780	19.662
3	D	4524.80	0.0155	0.1070	1.6610	0.8780	13.629
3	D	4765.50	0.0103	0.1070	1.0969	0.8780	9.001
3	D	5057.64	0.0000	0.1070	0.0000	0.8780	0.000
3	V	0.00	0.0000	0.0000	0.0000	0.0000	0.000
3	V	60.02	0.0095	0.1270	1.2064	1.0740	10.202
3	V	298.88	0.0406	0.1270	5.1613	1.0740	43.648
3	V	369.92	0.0487	0.2010	9.7894	0.9311	45.350
3	V	596.53	0.0835	0.6210	51.8489	0.1198	10.005
3	V	715.96	0.0934	0.5237	48.9236	0.2796	26.125
3	V	884.99	0.1017	0.2104	21.3890	0.8296	84.331
3	V	1077.92	0.1080	0.0885	9.5582	0.9518	102.752
3	V	1377.92	0.1158	0.0248	2.8772	0.9512	110.173
3	V	1417.83	0.1169	0.0183	2.1413	0.9577	111.931
3	V	1717.83	0.1124	0.0000	0.0000	0.9760	109.736
3	V	1773.66	0.1116	0.0000	0.0000	0.9760	108.929
3	V	1800.00	0.0929	0.0000	0.0000	0.9760	90.683
3	V	1800.60	0.0929	0.0390	3.6236	2.4400	226.707
3	V	1965.97	0.0707	0.0390	2.7588	2.4400	172.601
3	V	2026.00	0.0569	0.0390	2.2178	2.4400	138.752
3	V	2097.04	0.0107	0.0390	0.4174	2.4400	26.115
3	V	2397.04	0.0017	0.0390	0.0671	2.4400	4.200
3	V	2431.44	0.0007	0.0390	0.0270	2.4400	1.668
3	V	2717.45	0.0000	0.0390	0.0000	2.4400	0.000
3	W	0.00	0.0000	0.0000	0.0000	0.0000	0.000

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	W	162.91	0.0028	0.1370	0.3806	1.7570	4.88
3	W	290.92	0.0151	0.1370	2.0744	1.7570	26.60
3	W	361.96	0.0203	0.1412	2.8702	1.6946	34.46
3	W	417.08	0.0268	0.1483	3.9709	1.5869	42.49
3	W	601.43	0.0666	0.1723	11.4736	1.2268	81.70
3	W	717.80	0.0781	0.1760	13.7444	1.1710	91.45
3	W	884.38	0.0929	0.1760	16.3527	1.1710	108.80
3	W	1099.35	0.1039	0.1760	18.2935	1.0333	107.40
3	W	1202.25	0.1008	0.1760	17.7460	0.9496	95.74
3	W	1462.54	0.1012	0.0621	6.2827	0.7759	78.55
3	W	1647.50	0.1031	0.0290	2.9901	0.7320	75.47
3	W	1790.20	0.1039	0.0290	3.0143	0.7320	76.06
3	W	1800.00	0.0876	0.0290	2.5396	0.7320	64.10
3	W	1800.60	0.0876	0.0290	2.5396	0.7320	64.10
3	W	2092.14	0.0517	0.0290	1.4984	0.7320	37.82
3	W	2392.14	0.0269	0.0290	0.7790	0.7320	19.66
3	W	2427.76	0.0239	0.0290	0.6936	0.7320	17.51
3	W	2727.76	0.0136	0.0290	0.3986	0.7320	10.07
3	W	2782.38	0.0119	0.0290	0.3451	0.7320	8.71
3	W	3069.00	0.0000	0.0290	0.0000	0.7320	0.00
3	X1	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	X1	20.81	0.0000	0.0680	0.0000	1.3660	0.00
3	X1	75.29	0.0053	0.0680	0.3613	1.3660	7.26
3	X1	164.67	0.0194	0.0680	1.3197	1.3660	26.51
3	X1	303.01	0.0534	0.1133	6.0579	1.3284	71.00
3	X1	410.13	0.1902	0.1656	31.4844	1.2851	244.38
3	X1	589.49	0.2321	0.1850	42.9373	1.2690	294.53
3	X1	600.00	0.1991	0.1850	36.8403	1.2690	252.70
3	X1	600.60	0.1991	0.0000	0.0000	0.0000	0.00
3	X2	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	X2	165.89	0.0189	0.1760	3.3271	2.0980	39.66
3	X2	239.96	0.4679	0.1589	74.3460	1.9397	907.56
3	X2	295.05	0.6110	0.1274	77.8747	1.6486	1007.36
3	X2	351.98	0.8568	0.0950	81.3527	1.3479	1154.82
3	X2	459.72	1.0041	0.0390	39.1609	0.8300	833.42
3	X2	586.43	1.0518	0.0390	41.0189	0.8300	872.97
3	X2	600.00	0.0000	0.0390	0.0000	0.8300	0.00
3	X3	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	X3	17.14	1.0728	0.0200	21.4568	0.3900	418.41
3	X3	74.68	1.2121	0.0200	24.2426	0.3900	472.73
3	X3	112.02	1.4730	0.0200	29.4594	0.3900	574.46
3	X3	234.45	1.5243	0.0180	27.3794	0.3603	549.12
3	X3	385.65	1.5532	0.0054	8.3294	0.1763	273.63
3	X3	452.98	1.5721	0.0000	0.0000	0.0980	154.07
3	X3	533.79	1.5302	0.0000	0.0000	0.0980	149.96
3	X3	548.48	0.0000	0.0000	0.0000	0.0980	0.00
3	X4	0.00	0.0000	0.0000	0.0000	0.0000	0.00
3	X4	29.99	1.5192	0.0290	44.0558	0.3420	519.55
3	X4	74.07	1.8204	0.0290	52.7921	0.3420	622.58

DEFIANCE RAINULATOR STUDY

---------- TILLAGE=OLD RIDGES RESIDUE=RIDG ----------

REP	RUN	TIME (SEC)	DISCHARGE (KG/SEC)	DIP CONC. (UG/ML)	DIP LOAD (UG/SEC)	TOTAL P CONC.(UG/ML)	TOTAL P LOAD(UG/SEC)
3	X4	138.96	2.1452	0.029	62.2094	0.342	733.642
3	X4	296.28	2.4498	0.029	71.0428	0.342	837.815
3	X4	403.40	2.4923	0.029	72.2775	0.342	852.376
3	X4	493.39	2.4628	0.029	71.4215	0.342	842.282
3	X4	558.88	2.3604	0.029	68.4521	0.342	807.262
3	X4	578.47	0.0000	0.029	0.0000	0.342	0.000
3	X5	0.00	0.0000	0.000	0.0000	0.000	0.000
3	X5	8.57	2.4259	0.000	0.0000	0.195	473.051
3	X5	39.79	3.2599	0.000	0.0000	0.195	635.671
3	X5	339.79	3.2538	0.000	0.0000	0.195	634.490
3	X5	539.30	3.2498	0.000	0.0000	0.195	633.704
3	X5	585.82	1.7751	0.000	0.0000	0.195	346.147
3	X5	600.00	0.6301	0.000	0.0000	0.195	122.873
3	X5	600.60	0.6301	0.000	0.0000	0.000	0.000

TECHNICAL REPORT DATA
(Please read Instructions on the reverse before completing)

1. REPORT NO. EPA-905/9-91-008B	2.	3. RECIPIENT'S ACCESSION NO.
4. TITLE AND SUBTITLE THE MAUMEE RIVER BASIN PILOT WATERSHED STUDY - Volume V - Rainulator Study - Detailed Data		5. REPORT DATE September 1987
		6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S) Terry J. Logan		8. PERFORMING ORGANIZATION REPORT NO.
9. PERFORMING ORGANIZATION NAME AND ADDRESS Defiance County Soil Soiland Water Conservation District Defiance, Ohio		10. PROGRAM ELEMENT NO. A42B2A
		11. CONTRACT/GRANT NO. Grant #R005774-01
12. SPONSORING AGENCY NAME AND ADDRESS U.S. Environmental Protection Agency Great Lakes National Program Office 230 South Dearborn Street Chicago, Illinois 60604		13. TYPE OF REPORT AND PERIOD COVERED Final 1981-1984
		14. SPONSORING AGENCY CODE GLNPO

15. SUPPLEMENTARY NOTES
Ralph G. Christensen, U.S.EPA Project Officer
John C. Lowrey, Technical Assistant

16. ABSTRACT
This work was begun in 1975 as one of several studies of U.S. and Canadian watersheds draining to the Great Lakes. The Maumee River Basin is the largest of the Great Lakes watersheds and contributes the highest loads of sediments and nutrients. This study was to monitor sediment and nutrient losses from several small watersheds in the Maumee River Basin. The tillage method studied was fall moldboard or fall chisel plowing. No-till and No-till ridges were also examined. The watershed studies were supplemented with a detailed examination of the effects or residue cover on soil and and phosphorus losses using the programmable rainfall simulator of the National Soil Erosion Laboratory at Purdue University.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS		b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Sediment	Phosphorus		
Nutrient	No-till		
Watershed	Monitoring		
Soils			
Subsurface Tildrainage			
Runoff			
Nitrogen			

18. DISTRIBUTION STATEMENT Document is available to public Through National Technical Information Service (NTIS) Springfield, VA 22161	19. SECURITY CLASS *(This Report)* None	21. NO. OF PAGES 196
	20. SECURITY CLASS *(This page)* None	22. PRICE

EPA Form 2220-1 (9-73)

*U.S. Government Printing Office: 1991 — 545-083