

Appendix J.

Allocation Tables

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Acronyms and Abbreviations

FG	future growth
LA	load allocation
MOS	margin of safety
MS4	municipal separate storm sewer system
ODOT	Ohio Department of Transportation
TMDL	total maximum daily load
TSS	total suspended solids
WLA	wasteload allocation
WTP	water treatment plant
WWTP	wastewater treatment plant

J-1. Tributaries to Sandusky Bay and Frontal Lake Erie

J-1.1. Pipe Creek-Frontal Sandusky Bay (HUC 04100011 01 02)

Table J- 1. TSS allocations (tons/day) for Pipe Creek at RM 2.32 (U05K15)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads ^a					
TMDL	9.94	1.78	0.483	0.345	0.345
LA	7.66	1.16	0.126	0.017	0.017
WLA (sum) ^b	1.19	0.42	0.304	0.290	0.290
FG (1%)	0.10	0.02	0.005	0.003	0.003
MOS (10%)	0.99	0.18	0.048	0.035	0.035
Wasteload Allocations ^c					
Bellevue Terminal (2IT00010) <i>stormwater</i>	0.023	0.023	0.023	0.023	0.023
<i>Construction stormwater</i> (OHC000003)	0.086	0.013	0.0014	0.00020	0.00020
Erie County and Others (2GQ0027) <i>MS4 stormwater</i>	0.043	0.0065	0.00071	0.00010	0.00010
<i>Industrial stormwater</i> (OHR00005)	0.34	0.052	0.0057	0.00078	0.00078
ODOT (4GQ00000) <i>MS4 stormwater</i>	0.39	0.059	0.0064	0.00088	0.00088
Sandusky Quarry (2IJ00021)	0.043	0.0065	0.0064	0.00088	0.00088

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. WLAs are reported to the second significant digit.

J-1.2. Mills Creek (HUC 04100011 01 03)

Table J- 2. Total phosphorus allocations (pounds/day) for Mills Creek at 1.2 mile downstream of site U05S07

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	83.5	18.1	5.54	3.50	2.64
LA	70.5	13.5	2.56	0.78	0.03
WLA (sum) ^b	3.8	2.6	2.37	2.33	2.32
FG (1%)	0.8	0.2	0.06	0.04	0.03
MOS (10%)	8.4	1.8	0.55	0.35	0.26
Wasteload Allocations^c					
Bellevue Terminal (2IT00010) <i>stormwater</i>	0.30	0.30	0.30	0.30	0.30
Construction <i>stormwater</i> (OHC000003)	2.0	2.0	2.0	2.0	2.0
Erie County and Others (2GQ0027) <i>MS4 stormwater</i>	0.013	0.013	0.013	0.013	0.013
Industrial <i>stormwater</i> (OHR00005)	0.36	0.069	0.013	0.0040	0.00019
ODOT (4GQ00000) <i>MS4 stormwater</i>	0.36	0.069	0.013	0.0040	0.00019
Sandusky Quarry (2IJ00021)	0.36	0.069	0.013	0.0040	0.00019

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
c. WLAs are reported to the second significant digit.

Table J- 3. TSS allocations (tons/day) for Mills Creek at RM 1.35 (U05P05)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	17.6	3.57	1.23	0.877	0.848
LA	13.7	2.23	0.32	0.028	0.005
WLA (sum) ^b	1.9	0.94	0.78	0.752	0.750
FG (1%)	0.2	0.04	0.01	0.009	0.008
MOS (10%)	1.8	0.36	0.12	0.088	0.085
Wasteload Allocations^c					
Bellevue WTP (2IW00011)	0.0090	0.0090	0.0090	0.0090	0.0090
Bellevue WWTP (2PD00037)	0.30	0.30	0.30	0.30	0.30
Castalia Maintenance Building (2PP00041)	0.000077	0.000077	0.000077	0.000077	0.000077
Construction stormwater (OHC000003)	0.075	0.012	0.0018	0.00018	0.000047
Erie County and Others (2GQ0027) stormwater	0.45	0.073	0.010	0.0011	0.00028
Industrial stormwater (OHR00005)	0.075	0.012	0.0018	0.00018	0.000047
Kyklos Bearing International Inc. (2IC00011) stormwater	0.15	0.024	0.0035	0.00035	0.000094
ODOT (4GQ00000) MS4 stormwater	0.075	0.012	0.0018	0.00018	0.000047
Sandusky Quarry (2IJ00021 outfall 001)	0.44	0.44	0.44	0.44	0.44
Ventra Sandusky LLC (2IC00013) stormwater	0.30	0.049	0.0070	0.00070	0.00019

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. WLAs are reported to the second significant digit.

Table J- 4. Total phosphorus allocations (pounds/day) for Mills Creek at RM 1.35 (U05P05)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads ^a					
TMDL	147	29.8	10.3	7.31	7.07
LA	114	19.0	3.0	0.52	0.32
WLA (sum) ^b	16	7.5	6.2	5.99	5.97
FG (1%)	2	0.3	0.1	0.07	0.07
MOS (10%)	15	3.0	1.0	0.73	0.71
Wasteload Allocations ^c					
Bellevue WTP (2IW00011)	0.30	0.30	0.30	0.30	0.30
Bellevue WWTP (2PD00037)	2.0	2.0	2.0	2.0	2.0
Castalia Maintenance Building (2PP00041)	0.013	0.013	0.013	0.013	0.013
Construction stormwater (OHC000003)	0.62	0.1	0.016	0.0028	0.0017
Erie County and Others (2GQ0027) stormwater	3.7	0.62	0.10	0.017	0.010
Industrial stormwater (OHR00005)	0.62	0.1	0.016	0.0028	0.0017
Kyklos Bearing International Inc. (2IC00011) stormwater	1.2	0.21	0.032	0.0056	0.0035
ODOT (4GQ00000) MS4 stormwater	0.62	0.1	0.016	0.0028	0.0017
Sandusky Quarry (2IJ00021 outfall 001)	3.6	3.6	3.6	3.6	3.6
Ventra Sandusky LLC (2IC00013) stormwater	2.5	0.41	0.064	0.011	0.0069

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. WLAs are reported to the second significant digit.

J-1.3. Frontal south side of Sandusky Bay (HUC 04100011 02 01)

Table J- 5. TSS allocations (tons/day) for Little Pickerel Creek at frontal Lake Erie.

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	2.80	0.581	0.0424	0.0108	0.00128
LA	2.47	0.514	0.0376	0.0095	0.00113
WLA (sum) ^b	0.02	0.003	0.0002	0.0001	0.00001
FG (1%)	0.03	0.006	0.0004	0.0001	0.00001
MOS (10%)	0.28	0.058	0.0042	0.0011	0.00013
Wasteload Allocations^c					
Construction stormwater (OHC000003)	0.012	0.0026	0.00019	0.000048	0.0000057

Notes

a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.

b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.

c. WLAs are reported to the second significant digit.

J-1.4. Pickerel Creek (HUC 04100011 02 03)

Table J- 6. TSS allocations (tons/day) for Pickerel Creek at RM 3.35 (U05S04)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	22.9	5.96	1.04	0.135	0.0599
LA	20.1	5.23	0.91	0.111	0.0453
WLA (sum) ^b	0.3	0.07	0.02	0.009	0.0080
FG (1%)	0.2	0.06	0.01	0.001	0.0006
MOS (10%)	2.3	0.60	0.10	0.014	0.0060
Wasteload Allocations^c					
Construction stormwater (OHC000003)	0.10	0.027	0.0046	0.00056	0.00023
Erie Islands WWTP (2PQ00001)	0.0075	0.0075	0.0075	0.0075	0.0075
Industrial stormwater (OHR00005)	0.10	0.027	0.0046	0.00056	0.00023

Notes

a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.

b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.

c. WLAs are reported to the second significant digit.

J-1.5. Raccoon Creek (HUC 04100011 02 04)

Table J- 7. Nitrate plus nitrite allocations (pounds/day) for Buck Creek at mouth

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	176	43.6	7.08	1.50	0.829
LA	155	38.6	6.26	1.32	0.734
WLA (sum) ^b	1	0.2	0.04	0.01	0.004
FG (1%)	2	0.4	0.07	0.02	0.008
MOS (10%)	18	4.4	0.71	0.15	0.083
Wasteload Allocations^c					
Construction stormwater (OHC000003)	0.78	0.19	0.031	0.0067	0.0037

Notes

a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.

b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.

c. WLAs are reported to the second significant digit.

Table J- 8. Total phosphorus allocations (pounds/day) for Raccoon Creek at 0.1 mile downstream of site U05W10

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Total Maximum Daily Loads^a					
TMDL	44.5	13.2	3.77	2.74	2.49
LA	36.2	9.7	1.51	0.63	0.40
WLA (sum) ^b	3.3	2.1	1.84	1.81	1.81
FG (1%)	0.5	0.1	0.04	0.03	0.03
MOS (10%)	4.5	1.3	0.38	0.27	0.25
Wasteload Allocations^c					
Clyde CSS (2PD00004) ^d	0.30	0	0	0	0
Clyde WTP No. 1 (2IW00050)	0.20	0.20	0.20	0.20	0.20
Clyde WWTP (2PD00004)	1.59	1.59	1.59	1.59	1.59
Construction stormwater (OHC000003)	0.19	0.050	0.0078	0.0033	0.0022
Industrial stormwater (OHR00005)	0.94	0.25	0.039	0.016	0.011

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. WLAs are reported to the second significant digit.
- d. The Clyde CSS is only allowed to discharge TSS during permitted CSOs that occur during high flow conditions.

Table J- 9. TSS allocations (tons/day) for Raccoon Creek at RM 5.45 (U05W17)

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Total Maximum Daily Loads^a					
TMDL	12.4	3.33	0.854	0.472	0.414
LA	10.2	2.57	0.488	0.166	0.118
WLA (sum) ^b	0.9	0.40	0.272	0.254	0.251
FG (1%)	0.1	0.03	0.009	0.005	0.004
MOS (10%)	1.2	0.33	0.085	0.047	0.041
Wasteload Allocations^c					
Clyde CSS (2PD00004) ^d	0.01	0	0	0	0
Clyde WTP No. 1 (2IW00050)	0.0034	0.0034	0.0034	0.0034	0.0034
Clyde WWTP (2PD00004)	0.24	0.24	0.24	0.24	0.24
Construction stormwater (OHC000003)	0.054	0.014	0.0026	0.00089	0.00063
Industrial stormwater (OHR00005)	0.54	0.14	0.026	0.0089	0.0063

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. WLAs are reported to the second significant digit.
- d. The Clyde CSS is only allowed to discharge TSS during permitted CSOs that occur during high flow conditions.

Table J- 10. Total phosphorus allocations (pounds/day) for Raccoon Creek at RM 5.45 (U05W17)

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Total Maximum Daily Loads^a					
TMDL	103	27.7	7.12	3.93	3.45
LA	84	21.5	4.28	1.59	1.14
WLA (sum) ^b	8	3.1	2.06	1.91	1.93
FG (1%)	1	0.3	0.07	0.04	0.03
MOS (10%)	10	2.8	0.71	0.39	0.35
Wasteload Allocations^c					
Clyde CSS (2PD00004) ^d	0.30	0	0	0	0
Clyde WTP No. 1 (2IW00050)	0.20	0.20	0.20	0.20	0.20
Clyde WWTP (2PD00004)	1.6	1.6	1.6	1.6	1.6
Construction stormwater (OHC000003)	0.45	0.11	0.023	0.0086	0.064
Industrial stormwater (OHR00005)	4.5	1.1	0.23	0.086	0.064

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. WLAs are reported to the second significant digit.
- d. The Clyde CSS is only allowed to discharge TSS during permitted CSOs that occur during high flow conditions.

J-1.6. South Creek (HUC 04100011 02 05)

Table J- 11. TSS allocations for South Creek at RM 4.04 (U05K05)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	9.42	2.39	0.366	0.0854	0.0559
LA	8.34	2.11	0.323	0.0755	0.0493
WLA (sum) ^b	0.05	0.02	0.002	0.0005	0.0004
FG (1%)	0.09	0.02	0.004	0.0009	0.0006
MOS (10%)	0.94	0.24	0.037	0.0085	0.0056
Wasteload Allocations^c					
Club Rog (2PR00170)	0.00011	0.00011	0.00011	0.00011	0.00011
Construction stormwater (OHC000003)	0.042	0.011	0.0016	0.00038	0.00025

Notes

a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.

b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.

c. WLAs are reported to the second significant digit.

Table J- 12. Total phosphorus allocations (pounds/day) for South Creek at RM 4.04 (U05K05)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	62.8	15.9	2.44	0.569	0.372
LA	55.6	13.9	2.12	0.454	0.279
WLA (sum) ^b	0.3	0.2	0.06	0.052	0.052
FG (1%)	0.6	0.2	0.02	0.006	0.004
MOS (10%)	6.3	1.6	0.24	0.057	0.037
Wasteload Allocations^c					
Club Rog (2PR00170)	0.050	0.050	0.050	0.050	0.050
Construction stormwater (OHC000003)	0.28	0.071	0.011	0.0023	0.0014

Notes

a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.

b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.

c. WLAs are reported to the second significant digit.

J-2. Tributaries to the Sandusky River (Lower)

J-2.1. East Branch East Branch Wolf Creek (HUC 04100011 10 01)

Table J- 13. Nitrate plus nitrite allocations (pounds/day) for East Branch East Branch Wolf Creek 0.4 mile downstream of site U04G13

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads ^a					
TMDL	206	33.5	5.91	1.73	0.573
LA	181	29.3	4.98	1.28	0.258
WLA (sum) ^b	2	0.5	0.28	0.26	0.252
FG (1%)	2	0.3	0.06	0.02	0.006
MOS (10%)	21	3.4	0.59	0.17	0.057
Wasteload Allocations ^c					
Brookpark Estates MHP (2PY0034)	0.25	0.25	0.25	0.25	0.25
Construction stormwater (OHC000003)	0.91	0.16	0.025	0.0060	0.0013

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. WLAs are reported to the second significant digit.

Table J- 14. Total phosphorus allocations (pounds/day) for East Branch East Branch Wolf Creek 0.4 mile downstream of site U04G13

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
<i>Total Maximum Daily Loads^a</i>					
TMDL	16.4	2.68	0.473	0.138	0.0458
LA	14.4	2.32	0.380	0.083	0.0015
WLA (sum) ^b	0.2	0.06	0.041	0.040	0.0392
FG (1%)	0.2	0.03	0.005	0.001	0.0005
MOS (10%)	1.6	0.27	0.047	0.014	0.0046
<i>Wasteload Allocations^c</i>					
Brookpark Estates MHP (2PY0034)	0.039	0.039	0.039	0.039	0.039
Construction stormwater (OHC000003)	0.073	0.012	0.0019	0.00042	0.0000080

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. WLAs are reported to the second significant digit.

J-2.2. Town of Riegel-East Branch Wolf Creek (HUC 04100011 10 02)

Table J- 15. Nitrate plus nitrite allocations (pounds/day) for East Branch Wolf Creek at 1.0 mile downstream of site 300673

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	627	98.5	16.9	5.07	2.68
LA	553	85.0	12.8	2.37	0.25
WLA (sum) ^b	5	2.6	2.2	2.14	2.13
FG (1%)	6	1.0	0.2	0.05	0.03
MOS (10%)	63	9.9	1.7	0.51	0.27
Wasteload Allocations^c					
Bascom WWTP (2PG00118)	1.3	1.3	1.3	1.3	1.3
Construction stormwater (OHC000003)	2.8	0.43	0.065	0.012	0.0013
Hopewell Loudon School (2PT00044)	0.42	0.42	0.42	0.42	0.42
Meadowbrook Park WWTP (2PR00142)	0.33	0.33	0.33	0.33	0.33
PJ's Brickhouse (2PR00114)	0.041	0.041	0.041	0.041	0.041

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
c. WLAs are reported to the second significant digit.

Table J- 16. Total phosphorus allocations (pounds/day) for East Branch Wolf Creek at 1.0 mile downstream of site 300673

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Total Maximum Daily Loads^a					
TMDL	50.1	7.88	1.35	0.405	0.214
LA	44.2	6.86	1.08	0.251	0.083
WLA (sum) ^b	0.4	0.15	0.12	0.109	0.108
FG (1%)	0.5	0.08	0.01	0.004	0.002
MOS (10%)	5.0	0.79	0.14	0.041	0.021
Wasteload Allocations^c					
Bascom WWTP (2PG00118)	0.067	0.067	0.067	0.067	0.067
Construction stormwater (OHC000003)	0.22	0.035	0.0055	0.0013	0.00042
Hopewell Loudon School (2PT00044)	0.021	0.021	0.021	0.021	0.021
Meadowbrook Park WWTP (2PR00142)	0.017	0.017	0.017	0.017	0.017
PJ's Brickhouse (2PR00114)	0.0020	0.0020	0.0020	0.0020	0.0020

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. WLAs are reported to the second significant digit.

J-2.3. Wolf Creek (HUC 04100011 10 04)

Table J- 17. Nitrate plus nitrite allocations (pounds/day) for Plum Run at mouth

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	299	49.0	7.52	0.980	0.371
LA	264	43.3	6.65	0.867	0.328
WLA (sum) ^b	2	0.3	0.04	0.005	0.002
FG (1%)	3	0.5	0.08	0.010	0.004
MOS (10%)	30	4.9	0.75	0.098	0.037
Wasteload Allocations^c					
Construction stormwater (OHC000003)	1.3	0.22	0.033	0.0044	0.0017

Notes

a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.

b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.

c. WLAs are reported to the second significant digit.

Table J- 18. Nitrate plus nitrite allocations (pounds/day) for Harrison Creek at mouth

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	282	47.9	7.44	1.11	0.483
LA	249	41.9	6.19	0.58	0.029
WLA (sum) ^b	2	0.7	0.44	0.41	0.401
FG (1%)	3	0.5	0.07	0.01	0.005
MOS (10%)	28	4.8	0.74	0.11	0.048
Wasteload Allocations^c					
Construction stormwater (OHC000003)	1.3	0.21	0.031	0.0029	0.00015
Hopewell Estates MHP (2PY00006)	0.40	0.40	0.40	0.40	0.40

Notes

a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.

b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.

c. WLAs are reported to the second significant digit.

J-2.4. Spicer Creek-Sandusky River (HUC 04100011 11 05)

Table J- 19. Total phosphorus (pounds/day) allocations for Spicer Creek at mouth

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	22.4	2.89	0.438	0.155	0.0702
LA	19.9	2.55	0.388	0.136	0.0621
WLA (sum) ^b	0.1	0.02	0.002	0.001	0.0004
FG (1%)	0.2	0.03	0.004	0.002	0.00070
MOS (10%)	2.2	0.29	0.044	0.016	0.0070
Wasteload Allocations^c					
Construction stormwater (OHC000003)	0.10	0.013	0.0019	0.0007	0.00031

Notes

a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.

b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.

c. WLAs are reported to the second significant digit.

J-2.5. Beaver Creek (HUC 04100011 12 02)

Table J- 20. TSS allocations (tons/day) for Emerson Creek at RM 1.83 (U04G26)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	6.99	1.20	0.135	0.0177	0.00649
LA	6.18	1.06	0.119	0.0156	0.00575
WLA (sum) ^b	0.04	0.01	0.001	0.0001	0.00003
FG (1%)	0.07	0.01	0.001	0.0002	0.00006
MOS (10%)	0.70	0.12	0.014	0.0018	0.00065
Wasteload Allocations^c					
Construction stormwater (OHC000003)	0.031	0.0053	0.00060	0.000080	0.000029

Notes

a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.

b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.

c. WLAs are reported to the second significant digit.

J-2.6. Green Creek (HUC 04100011 12 03)

Table J- 21. TSS allocations (tons/day) for Green Creek at RM 5.06 (U04K01)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	20.2	4.17	1.30	0.308	0.135
LA	17.9	3.68	1.15	0.271	0.118
WLA (sum) ^b	0.10	0.030	0.01	0.003	0.002
FG (1%)	0.2	0.04	0.01	0.003	0.001
MOS (10%)	2.0	0.42	0.13	0.031	0.014
Load Allocations^c					
Fremont stormwater (non-regulated MS4)	0.090	0.019	0.0058	0.0014	0.00060
Wasteload Allocations^d					
Construction stormwater (OHC000003)	0.090	0.019	0.0058	0.0014	0.00060
Cornerstone Industrial Group (2IN000193)	0.00015	0.00015	0.00015	0.00015	0.00015
Fremont Baptist Temple (2PR00206)	0.00040	0.00040	0.00040	0.00040	0.00040
Green Springs WWTP (2PB00026) ^e	0	0	0	0	0
Leaky Oaks RV Park (2PR000147)	0.00050	0.00050	0.00050	0.00050	0.00050

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. A portion of the LA is allocated to the city of Fremont's non-regulated MS4 and this allocation is reported to the second significant digit.
- d. WLAs are reported to the second significant digit.
- e. Green Springs, a former CSO community, now transfers its wastewater to the Clyde WWTP (2PD00004). Green Springs has one overflow bypass (outfall 602) to Flag Run Creek that will be eliminated when the long-term control plan is fully implemented.

J-2.7. Muskellunge Creek (HUC 04100011 13 01)

Table J- 22. TSS allocations (tons/day) for Muskellunge Creek at Oak Harbor Road (State Route 19)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	22.1	5.84	0.899	0.112	0.0764
LA	19.2	5.06	0.756	0.070	0.0388
WLA (sum) ^b	0.5	0.14	0.044	0.030	0.0292
FG (1%)	0.2	0.06	0.009	0.001	0.0008
MOS (10%)	2.2	0.58	0.090	0.011	0.0076
Load Allocations^c					
Fremont stormwater (non-regulated MS4)	0.79	0.21	0.031	0.0029	0.0016
Wasteload Allocations^d					
Adams Acres Subdivision (2PG00082)	0.0018	0.0018	0.0018	0.0018	0.0018
Construction stormwater (OHC000003)	0.098	0.026	0.0039	0.00036	0.00020
Industrial stormwater (OHR00005)	0.098	0.026	0.0039	0.00036	0.00020
POET Biorefining Fostoria Ethanol LLC (2IF00026) ^e	0	0	0	0	0
POET Biorefining Fostoria Ethanol LLC (2IF00026) stormwater	0.20	0.052	0.0077	0.00071	0.00040
Precision Aggregates III LLC (2IJ00094)	0.025	0.025	0.025	0.025	0.025
Sycamore Hills Clubhouse (2PR00193)	0.00038	0.00038	0.00038	0.00038	0.00038
Westwood Acres Subdivision (2PG00023)	0.0010	0.0010	0.0010	0.0010	0.0010

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. A portion of the LA is allocated to the city of Fremont's non-regulated MS4 and this allocation is reported to the second significant digit.
- d. WLAs are reported to the second significant digit.
- e. POET Biorefining Fostoria Ethanol LLC stopped discharging effluent in April 2011 and uses whole water recovery.

Table J- 23. Total phosphorus allocations (pounds/day) for Muskellunge Creek at Oak Harbor Road (State Route 19)

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Total Maximum Daily Loads^a					
TMDL	184	48.6	7.50	0.935	0.637
LA	160	41.9	6.16	0.431	0.171
WLA (sum) ^b	4	1.3	0.52	0.402	0.396
FG (1%)	2	0.5	0.07	0.009	0.006
MOS (10%)	18	4.9	0.75	0.093	0.064
Load Allocations^c					
<i>Fremont stormwater</i> (non-regulated MS4)	6.6	1.7	0.25	0.018	0.0071
Wasteload Allocations^d					
Adams Acres Subdivision (2PG00082)	0.029	0.029	0.029	0.029	0.029
Construction stormwater (OHC000003)	0.82	0.22	0.031	0.0022	0.00089
Industrial stormwater (OHR00005)	0.82	0.22	0.031	0.0022	0.00089
POET Biorefining Fostoria Ethanol LLC (2IF00026) ^e	0	0	0	0	0
POET Biorefining Fostoria Ethanol LLC (2IF00026) stormwater	1.6	0.43	0.063	0.0044	0.0018
Precision Aggregates III LLC (2IJ00094)	0.34	0.34	0.34	0.34	0.34
Sycamore Hills Clubhouse (2PR00193)	0.0063	0.0063	0.0063	0.0063	0.0063
Westwood Acres Subdivision (2PG00023)	0.017	0.017	0.017	0.017	0.017

Notes

- TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- A portion of the LA is allocated to the city of Fremont's non-regulated MS4 and this allocation is reported to the second significant digit.
- WLAs are reported to the second significant digit.
- POET Biorefining Fostoria Ethanol LLC stopped discharging effluent in April 2011 and uses whole water recovery.

J-2.8. Mouth Sandusky River (HUC 04100011 13 03)

Table J- 24. TSS allocations (tons/day) for Bark Creek at mouth

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	5.48	1.46	0.230	0.0406	0.0206
LA	4.82	1.27	0.202	0.0357	0.0181
WLA (sum) ^b	0.05	0.02	0.003	0.0004	0.0002
FG (1%)	0.06	0.02	0.002	0.0004	0.0002
MOS (10%)	0.55	0.15	0.023	0.0041	0.0021
Load Allocations^c					
<i>Fremont stormwater</i> (non-regulated MS4)	0.68	0.18	0.029	0.0051	0.0026
Wasteload Allocations^d					
<i>Construction stormwater</i> (OHC000003)	0.024	0.0065	0.0010	0.00018	0.000092
<i>Industrial stormwater</i> (OHR000005)	0.024	0.0065	0.0010	0.00018	0.000092

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. A portion of the LA is allocated to the city of Fremont's non-regulated MS4 and this allocation is reported to the second significant digit.
- d. WLAs are reported to the second significant digit.

Table J- 25. Total phosphorus allocations (pounds/day) for Bark Creek at mouth

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Total Maximum Daily Loads ^a					
TMDL	36.5	9.74	1.54	0.271	0.137
LA	32.0	8.58	1.35	0.238	0.120
WLA (sum) ^b	0.4	0.09	0.02	0.003	0.002
FG (1%)	0.4	0.10	0.02	0.003	0.001
MOS (10%)	3.7	0.97	0.15	0.027	0.014
Load Allocations ^c					
<i>Fremont stormwater</i> (non-regulated MS4)	4.6	1.2	0.19	0.034	0.017
Wasteload Allocations ^d					
<i>Construction stormwater</i> (OHC000003)	0.16	0.043	0.0068	0.0012	0.00061
<i>Industrial stormwater</i> (OHR000005)	0.16	0.043	0.0068	0.0012	0.00061

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. A portion of the LA is allocated to the city of Fremont's non-regulated MS4 and this allocation is reported to the second significant digit.
- d. WLAs are reported to the second significant digit.

J-2.9. Little Muddy Creek (HUC 04100011 14 03)

Table J- 26. TSS allocations (tons/day) for Little Muddy Creek at Weickert Road (County Road 174)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	7.07	1.94	0.377	0.0754	0.0205
LA	6.22	1.71	0.331	0.0664	0.0180
WLA (sum) ^b	0.07	0.02	0.004	0.0007	0.0002
FG (1%)	0.07	0.02	0.004	0.0008	0.0002
MOS (10%)	0.71	0.19	0.038	0.0075	0.0021
Load Allocations^c					
<i>Fremont stormwater</i> (non-regulated MS4)	0.032	0.0086	0.0017	0.00034	0.000091
Wasteload Allocations^d					
<i>Construction stormwater</i> (OHC000003)	0.032	0.0086	0.0019	0.00034	0.000091
<i>Industrial stormwater</i> (OHR000005)	0.032	0.0086	0.0019	0.00034	0.000091

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. A portion of the LA is allocated to the city of Fremont's non-regulated MS4 and this allocation is reported to the second significant digit.
- d. WLAs are reported to the second significant digit.

Table J- 27. Nitrate plus nitrite allocations (pounds/day) for Little Muddy Creek at Weickert Road (County Road 174)

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Total Maximum Daily Loads ^a					
TMDL	58.9	16.1	3.14	0.628	0.171
LA	51.8	14.1	2.77	0.553	0.150
WLA (sum) ^b	0.6	0.2	0.03	0.006	0.002
FG (1%)	0.6	0.2	0.03	0.006	0.002
MOS (10%)	5.9	1.6	0.31	0.063	0.017
Load Allocations ^c					
<i>Fremont stormwater</i> (non-regulated MS4)	0.26	0.072	0.014	0.0028	0.00076
Wasteload Allocations ^c					
<i>Construction stormwater</i> (OHC000003)	0.26	0.072	0.014	0.0028	0.00076
<i>Industrial stormwater</i> (OHR00005)	0.26	0.072	0.014	0.0028	0.00076

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. A portion of the LA is allocated to the city of Fremont's non-regulated MS4 and this allocation is reported to the second significant digit.
- d. WLAs are reported to the second significant digit.

Table J- 28. Total phosphorus allocations (pounds/day) for Little Muddy Creek at Weickert Road (County Road 174)

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Total Maximum Daily Loads^a					
TMDL	58.9	16.1	3.14	0.628	0.171
LA	51.8	14.1	2.77	0.553	0.150
WLA (sum) ^b	0.6	0.2	0.03	0.006	0.002
FG (1%)	0.6	0.2	0.03	0.006	0.002
MOS (10%)	5.9	1.6	0.31	0.063	0.017
Load Allocations^c					
<i>Fremont stormwater</i> (non-regulated MS4)	0.26	0.072	0.014	0.0028	0.00076
Wasteload Allocations^c					
<i>Construction stormwater</i> (OHC000003)	0.26	0.072	0.014	0.0028	0.00076
<i>Industrial stormwater</i> (OHR000005)	0.26	0.072	0.014	0.0028	0.00076

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. A portion of the LA is allocated to the city of Fremont's non-regulated MS4 and this allocation is reported to the second significant digit.
- d. WLAs are reported to the second significant digit.

Table J- 29. Total phosphorus allocations (pounds/day) for Fishing Creek at RM 0.20 (300678)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	11.3	2.93	0.844	0.331	0.0170
LA	10.0	2.59	0.748	0.293	0.0150
WLA (sum) ^b	0.1	0.02	0.004	0.002	0.0001
FG (1%)	0.1	0.03	0.008	0.003	0.0002
MOS (10%)	1.1	0.29	0.084	0.033	0.0017
Wasteload Allocations^c					
Construction stormwater (OHC000003)	0.050	0.013	0.0038	0.0015	0.000076

Notes

a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.

b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.

c. WLAs are reported to the second significant digit.

J-2.10. Town of Lindsey-Muddy Creek (HUC 04100011 14 03)

Table J- 30. Total phosphorus allocations (pounds/day) for Muddy Creek at South Bolsinger Road (County Road 168)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads^a					
TMDL	246	61.5	15.7	3.86	2.70
LA	215	52.4	12.0	1.65	0.63
WLA (sum) ^b	4	2.3	1.9	1.78	1.77
FG (1%)	2	0.6	0.2	0.04	0.03
MOS (10%)	25	6.2	1.6	0.39	0.27
Wasteload Allocations^c					
Carmeuse Lime Inc. (2IJ00032)	1.5	1.5	1.5	1.5	1.5
Construction stormwater (OHC000003)	1.1	0.27	0.061	0.0084	0.0032
Fostoria Mobile Estates (2PY00055)	0.017	0.017	0.017	0.017	0.017
FPM Tooling and Automation WWTW (2PR00186)	0.0033	0.0033	0.0033	0.0033	0.0033
Helena WWTP (2PA00097)	0.033	0.033	0.033	0.033	0.033
Industrial stormwater (OHR00005)	1.1	0.27	0.061	0.0084	0.0032
Lakota High School (2PT00053)	0.017	0.017	0.017	0.017	0.017
Lindsey WWTP (2PA00024)	0.18	0.18	0.18	0.18	0.18

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the TMDL. The sum of the TMDL components is equivalent to the TMDL.
- b. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- c. WLAs are reported to the second significant digit.

J-3. Sandusky River Mainstem LRAUs

J-3.1. Sandusky River Mainstem from Tymochtee Creek to Wolf Creek (04100011 90 01)

Table J- 31. TSS allocations (tons/day) for the Sandusky River at RM 26.94 (U04T01)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads ^a					
TMDL	560	96.7	31.2	8.78	3.17
Upper Sandusky River ^b	539	93.1	30.0	8.45	3.06
LA	18.6	3.18	1.06	0.292	0.096
WLA (sum) ^c	0.1	0.02	0.01	0.002	0.001
FG (1%)	0.2	0.04	0.01	0.003	0.001
MOS (10%)	2.1	0.36	0.12	0.033	0.012
Wasteload Allocations ^d					
Construction stormwater (OHC000003)	0.093	0.016	0.0052	0.0015	0.00053

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the difference between the TMDL and the upper Sandusky River boundary condition (i.e., the summation of allocations to the lower Sandusky River project area). The sum of the TMDL components is equivalent to the TMDL.
- b. A boundary condition is set on the Sandusky River at RM 38.50 at Ohio EPA assessment site U04S26 in HUC 04100011 11 05, just below the mouth of Morrison Creek.
- c. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- d. WLAs are reported to the second significant digit.

J-3.2. Sandusky River Mainstem from Wolf Creek to Sandusky Bay (04100011 90 02)

Table J- 32. TSS allocations (tons/day) for the Sandusky River at RM 20.25 (500820)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads ^a					
TMDL	856	148	47.9	13.7	5.17
Upper Sandusky River ^b	539	93	30.0	8.5	3.06
LA	267	46.5	15.0	4.37	1.75
WLA (sum) ^c	15	2.5	0.9	0.26	0.13
FG (1%)	3	0.5	0.2	0.05	0.02
MOS (10%)	32	5.5	1.8	0.52	0.21
Wasteload Allocations ^d					
Atlas Industries Inc. (2IS00017) <i>stormwater</i>	1.4	0.24	0.079	0.023	0.0093
Bascom WWTP (2PG00118)	0.0040	0.0040	0.0040	0.0040	0.0040
Bettesville WWTP (2PA00072)	0.0088	0.0088	0.0088	0.0088	0.0088
Brookpark Estates MHP (2PY0034)	0.00050	0.00050	0.00050	0.00050	0.00050
Buckeye Partners LP (2IN00209) <i>stormwater</i>	1.4	0.24	0.079	0.023	0.0093
Carmeuse Lime Inc. (2IN00051)	0.00013	0.00013	0.00013	0.00013	0.00013
Carmeuse Lime Inc. (2IN00051) <i>stormwater</i>	2.8	0.49	0.16	0.046	0.019
Church & Dwight Co. Inc. (2IE00011)	0.010	0.010	0.010	0.010	0.010
Church & Dwight Co. Inc. (2IE00011) <i>stormwater</i>	1.4	0.24	0.079	0.023	0.0093
<i>Construction stormwater</i> (OHC000003)	1.4	0.24	0.079	0.023	0.0093
Hammer-Heinsman Estates (2PG00011)	0.0015	0.0015	0.0015	0.0015	0.0015
Hopewell Estates MHP (2PY00006)	0.00081	0.00081	0.00081	0.00081	0.00081
Hopewell Loudon School (2PT00044)	0.0013	0.0013	0.0013	0.0013	0.0013
IAR Land Fostoria LLC (2IN00211) <i>stormwater</i>	1.4	0.24	0.079	0.023	0.0093
<i>Industrial stormwater</i> (OHR00005)	1.4	0.24	0.079	0.023	0.0093
Meadowbrook Park WWTP (2PR00142)	0.0010	0.0010	0.0010	0.0010	0.0010
MGQ., Inc. Liberty Quarry (2IJ00099) <i>stormwater</i>	1.4	0.24	0.079	0.023	0.0093

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Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Wasteload Allocations ^c (continued)					
PJ's Brickhouse (2PR00114)	0.00012	0.00012	0.00012	0.00012	0.00012
Poplar Village MHP (2PY00032)	0.00099	0.00099	0.00099	0.00099	0.00099
Sunny Farms Landfill, LLC (2IN00136) <i>stormwater</i>	1.4	0.24	0.079	0.023	0.0093
Webster Industries Inc. (2IS00035) ^e	0	0	0	0	0

Notes

- a. TMDL components are reported to the decimal place of the third significant digit of the difference between the TMDL and the upper Sandusky River boundary condition (i.e., the summation of allocations to the lower Sandusky River project area). The sum of the TMDL components is equivalent to the TMDL.
- b. A boundary condition is set on the Sandusky River at RM 38.50 at Ohio EPA assessment site U04S26 in HUC 04100011 11 05, just below the mouth of Morrison Creek.
- c. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- d. WLAs are reported to the second significant digit.
- e. Webster Industries Inc. is only permitted to discharge non-contact cooling water that must be free of process water and sanitary wastewater.

Table J- 33. Nitrate plus nitrite allocations (pounds/day) for the Sandusky River at RM 20.25 (500820)

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Total Maximum Daily Loads ^a					
TMDL	57,071	9,864	3,193	912	345
Upper Sandusky River ^b	46,854	8,095	2,613	735	266
LA	8,628	1,484	479	138	56.8
WLA (sum) ^c	465	90	37	19	13.5
FG (1%)	102	18	6	2	0.8
MOS (10%)	1,022	177	58	18	7.9
Wasteload Allocations ^d					
Atlas Industries Inc. (2IS00017) <i>stormwater</i>	45	7.8	2.5	0.74	0.30
Bascom WWTP (2PG00118)	1.3	1.3	1.3	1.3	1.3
Bettesville WWTP (2PA00072)	4.4	4.4	4.4	4.4	4.4
Brookpark Estates MHP (2PY0034)	0.25	0.25	0.25	0.25	0.25
Buckeye Partners LP (2IN00209) <i>stormwater</i>	45	7.8	2.5	0.74	0.30
Carmeuse Lime Inc. (2IN00051)	0.063	0.063	0.063	0.063	0.063
Carmeuse Lime Inc. (2IN00051) <i>stormwater</i>	91	16	5.1	1.5	0.60

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Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Wasteload Allocations^c (continued)					
Church & Dwight Co. Inc. (2IE00011)	2.0	2.0	2.0	2.0	2.0
Church & Dwight Co. Inc. (2IE00011) <i>stormwater</i>	45	7.8	2.5	0.74	0.30
<i>Construction stormwater</i> (OHC000003)	45	7.8	2.5	0.74	0.30
Hammer-Heinsman Estates (2PG00011)	0.75	0.75	0.75	0.75	0.75
Hopewell Estates MHP (2PY00006)	0.40	0.40	0.40	0.40	0.40
Hopewell Loudon School (2PT00044)	0.42	0.42	0.42	0.42	0.42
IAR Land Fostoria LLC (2IN00211) <i>stormwater</i>	45	7.8	2.5	0.74	0.30
<i>Industrial stormwater</i> (OHR00005)	45	7.8	2.5	0.74	0.30
Meadowbrook Park WWTP (2PR00142)	0.33	0.33	0.33	0.33	0.33
MGQ., Inc. Liberty Quarry (2IJ00099) <i>stormwater</i>	45	8	3	1	0.3
PJ's Brickhouse (2PR00114)	0.041	0.041	0.041	0.041	0.041
Poplar Village MHP (2PY00032)	0.47	0.47	0.47	0.47	0.47
Sunny Farms Landfill, LLC (2IN00136) <i>stormwater</i>	45	7.8	2.5	0.74	0.30
Webster Industries Inc. (2IS00035) ^e	0	0	0	0	0

Notes

- TMDL components are reported to the nearest pound per day. The sum of the TMDL components is equivalent to the TMDL.
- A boundary condition is set on the Sandusky River at RM 38.50 at Ohio EPA assessment site U04S26 in HUC 04100011 11 05, just below the mouth of Morrison Creek.
- The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- WLAs are reported to the second significant digit.
- Webster Industries Inc. is only permitted to discharge non-contact cooling water that must be free of process water and sanitary wastewater.

Table J- 34. Total phosphorus allocations (pounds/day) for the Sandusky River at RM 20.25 (500820)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads ^a					
TMDL	8,561	1,480	479	137	51.7
Upper Sandusky River ^b	7,028	1,214	392	110	39.9
LA	1,292	220	69	17	6.3
WLA (sum) ^c	73	16	8	6	4.4
FG (1%)	15	3	1	1	0.1
MOS (10%)	153	27	9	3	1
Wasteload Allocations ^d					
Atlas Industries Inc. (2IS00017) <i>stormwater</i>	6.8	1.2	0.37	0.10	0.032
Bascom WWTP (2PG00118)	0.067	0.067	0.067	0.067	0.067
Bettesville WWTP (2PA00072)	1.5	1.5	1.5	1.5	1.5
Brookpark Estates MHP (2PY0034)	0.039	0.039	0.039	0.039	0.039
Buckeye Partners LP (2IN00209) <i>stormwater</i>	6.8	1.2	0.37	0.10	0.032
Carmeuse Lime Inc. (2IN00051)	0.042	0.042	0.042	0.042	0.042
Carmeuse Lime Inc. (2IN00051) <i>stormwater</i>	14	2.3	0.73	0.20	0.065
Church & Dwight Co. Inc. (2IE00011)	1.3	1.3	1.3	1.3	1.3
Church & Dwight Co. Inc. (2IE00011) <i>stormwater</i>	6.8	1.2	0.37	0.10	0.032
<i>Construction stormwater</i> (OHC000003)	6.8	1.2	0.37	0.10	0.032
Hammer-Heinsman Estates (2PG00011)	0.50	0.50	0.50	0.50	0.50
Hopewell Estates MHP (2PY00006)	0.27	0.27	0.27	0.27	0.27
Hopewell Loudon School (2PT00044)	0.021	0.021	0.021	0.021	0.021
IAR Land Fostoria LLC (2IN00211) <i>stormwater</i>	6.8	1.2	0.37	0.10	0.032
<i>Industrial stormwater</i> (OHR00005)	6.8	1.2	0.37	0.10	0.032
Meadowbrook Park WWTP (2PR00142)	0.017	0.017	0.017	0.017	0.017
MGQ., Inc. Liberty Quarry (2IJ00099) <i>stormwater</i>	6.8	1.2	0.37	0.10	0.032

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Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Wasteload Allocations ^c (continued)					
PJ's Brickhouse (2PR00114)	0.0020	0.0020	0.0020	0.0020	0.0020
Poplar Village MHP (2PY00032)	0.31	0.31	0.31	0.31	0.31
Sunny Farms Landfill, LLC (2IN00136) <i>stormwater</i>	6.8	1.2	0.37	0.10	0.032
Webster Industries Inc. (2IS00035) ^e	0	0	0	0	0

Notes

- a. TMDL components in the high flow and moist conditions duration intervals are reported to the nearest pound per day. . In the mid-range, dry conditions, and low flow duration intervals, the TMDL components are reported to the decimal place of the third significant digit of the difference between the TMDL and the upper Sandusky River boundary condition (i.e., the summation of allocations to the lower Sandusky River project area). The sum of the TMDL components is equivalent to the TMDL.
- b. A boundary condition is set on the Sandusky River at RM 38.50 at Ohio EPA assessment site U04S26 in HUC 04100011 11 05, just below the mouth of Morrison Creek.
- c. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- d. WLAs are reported to the second significant digit.
- e. Webster Industries Inc. is only permitted to discharge non-contact cooling water that must be free of process water and sanitary wastewater.

Table J- 35. TSS allocations (tons/day) for the Sandusky River at RM 18.05 (U04T02)

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Total Maximum Daily Loads ^a					
TMDL	859	148	48.0	13.7	5.18
Upper Sandusky River ^b	539	93	30	8.5	3.06
LA	270	46.4	15.1	4.36	1.76
WLA (sum) ^c	15	2.5	0.9	0.26	0.13
FG (1%)	3	0.6	0.2	0.05	0.02
MOS (10%)	32	5.5	1.8	0.53	0.21
Wasteload Allocations ^d					
Atlas Industries Inc. (2IS00017) <i>stormwater</i> ^e	1.4	0.24	0.079	0.023	0.0093
Bascom WWTP (2PG00118)	0.0040	0.0040	0.0040	0.0040	0.0040
Bettesville WWTP (2PA00072)	0.0088	0.0088	0.0088	0.0088	0.0088
Brookpark Estates MHP (2PY0034)	0.00050	0.00050	0.00050	0.00050	0.00050
Buckeye Partners LP (2IN00209) <i>stormwater</i> ^e	1.4	0.24	0.079	0.023	0.0093
Carmeuse Lime Inc. (2IN00051)	0.00013	0.00013	0.00013	0.00013	0.00013
Carmeuse Lime Inc. (2IN00051) <i>stormwater</i> ^e	2.8	0.49	0.16	0.046	0.019

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Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Wasteload Allocations^c (continued)					
Church & Dwight Co. Inc. (2IE00011)	0.010	0.010	0.010	0.010	0.010
Church & Dwight Co. Inc. (2IE00011) <i>stormwater^e</i>	1.4	0.24	0.079	0.023	0.0093
<i>Construction stormwater</i> (OHC000003)	1.4	0.25	0.080	0.023	0.0093
Hammer-Heinsman Estates (2PG00011)	0.0015	0.0015	0.0015	0.0015	0.0015
Hopewell Estates MHP (2PY00006)	0.00081	0.00081	0.00081	0.00081	0.00081
Hopewell Loudon School (2PT00044)	0.0013	0.0013	0.0013	0.0013	0.0013
IAR Land Fostoria LLC (2IN00211) <i>stormwater^e</i>	1.4	0.24	0.079	0.023	0.0093
<i>Industrial stormwater</i> (OHR00005)	1.4	0.25	0.080	0.023	0.0093
Meadowbrook Park WWTP (2PR00142)	0.0010	0.0010	0.0010	0.0010	0.0010
MGQ., Inc. Liberty Quarry (2IJ00099) <i>stormwater^e</i>	1.4	0.24	0.079	0.023	0.0093
PJ's Brickhouse (2PR00114)	0.00012	0.00012	0.00012	0.00012	0.00012
Poplar Village MHP (2PY00032)	0.00099	0.00099	0.00099	0.00099	0.00099
Sunny Farms Landfill, LLC (2IN00136) <i>stormwater^e</i>	1.4	0.24	0.079	0.023	0.0093
Webster Industries Inc. (2IS00035) ^f	0	0	0	0	0

Notes

- TMDL components are reported to the decimal place of the third significant digit of the difference between the TMDL and the upper Sandusky River boundary condition (i.e., the summation of allocations to the lower Sandusky River project area). The sum of the TMDL components is equivalent to the TMDL.
- A boundary condition is set on the Sandusky River at RM 38.50 at Ohio EPA assessment site U04S26 in HUC 04100011 11 05, just below the mouth of Morrison Creek.
- The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- WLAs are reported to the second significant digit.
- These stormwater WLAs are set equal to the stormwater WLAs in the TMDL at RM 20.25 (at Freemont; at site 500820) because this TMDL is nested within the TMDL at RM 20.25.
- Webster Industries Inc. is only permitted to discharge non-contact cooling water that must be free of process water and sanitary wastewater.

Table J- 36. Nitrate plus nitrite (aquatic life use) allocations (pounds/day) for the Sandusky River at RM 18.05 (U04T02)

Duration Interval	High 5%	Moist 25%	Mid-range 50%	Dry 75%	Low 95%
Total Maximum Daily Loads ^a					
TMDL	57,253	9,896	3,197	903	329
Upper Sandusky River ^b	46,854	8,095	2,613	735	266
LA	8,788	1,513	483	130	42.7
WLA (sum) ^b	467	90	37	19	13.3
FG (1%)	104	18	6	2	0.6
MOS (10%)	1,040	180	58	17	6.4
Wasteload Allocations ^c					
Atlas Industries Inc. (2IS00017) <i>stormwater</i> ^e	45	7.8	2.5	0.74	0.30
Bascom WWTP (2PG00118)	1.3	1.3	1.3	1.3	1.3
Bettesville WWTP (2PA00072)	4.4	4.4	4.4	4.4	4.4
Brookpark Estates MHP (2PY0034)	0.25	0.25	0.25	0.25	0.25
Buckeye Partners LP (2IN00209) <i>stormwater</i> ^e	45	7.8	2.5	0.74	0.30
Carmeuse Lime Inc. (2IN00051)	0.063	0.063	0.063	0.063	0.063
Carmeuse Lime Inc. (2IN00051) <i>stormwater</i> ^e	91	16	5.1	1.5	0.60
Church & Dwight Co. Inc. (2IE00011)	2.0	2.0	2.0	2.0	2.0
Church & Dwight Co. Inc. (2IE00011) <i>stormwater</i> ^e	45	7.8	2.5	0.74	0.30
<i>Construction stormwater</i> (OHC000003)	46	8.0	2.6	0.69	0.23
Hammer-Heinsman Estates (2PG00011)	0.75	0.75	0.75	0.75	0.75
Hopewell Estates MHP (2PY00006)	0.40	0.40	0.40	0.40	0.40
Hopewell Loudon School (2PT00044)	0.42	0.42	0.42	0.42	0.42
IAR Land Fostoria LLC (2IN00211) <i>stormwater</i> ^e	45	7.8	2.5	0.74	0.30
<i>Industrial stormwater</i> (OHR00005)	46	8.0	2.6	0.69	0.23
Meadowbrook Park WWTP (2PR00142)	0.33	0.33	0.33	0.33	0.33
MGQ., Inc. Liberty Quarry (2IJ00099) <i>stormwater</i> ^e	45	8.0	3.0	1.0	0.30

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Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Wasteload Allocations ^c (continued)					
PJ's Brickhouse (2PR00114)	0.041	0.041	0.041	0.041	0.041
Poplar Village MHP (2PY00032)	0.47	0.47	0.47	0.47	0.47
Sunny Farms Landfill, LLC (2IN00136) <i>stormwater</i> ^e	45	7.8	2.5	0.74	0.30
Webster Industries Inc. (2IS00035) ^f	0	0	0	0	0

Notes

a. TMDL components are reported to the nearest pound per day. The sum of the TMDL components is equivalent to the TMDL.

b. A boundary condition is set on the Sandusky River at RM 38.50 at Ohio EPA assessment site U04S26 in HUC 04100011 11 05, just below the mouth of Morrison Creek.

c. The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.

d. WLAs are reported to the second significant digit.

e. These stormwater WLAs are set equal to the stormwater WLAs in the TMDL at RM 20.25 (at Freemont; at site 500820) because this TMDL is nested within the TMDL at RM 20.25.

f. Webster Industries Inc. is only permitted to discharge non-contact cooling water that must be free of process water and sanitary wastewater.

Table J- 37. Nitrate plus nitrite (public drinking water supply use) allocations (pounds/day) for the Sandusky River at RM 18.05 (U04T02)

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Total Maximum Daily Loads ^a					
TMDL	286,240	49,478	16,014	4,575	1,728
Upper Sandusky River ^b	234,271	40,477	13,065	3,676	1,328
LA	43,929	7,600	2,484	750	328
WLA (sum) ^b	2,323	411	141	50	28
FG (1%)	520	90	29	9	4
MOS (10%)	5,197	900	295	90	40
Wasteload Allocations ^c					
Atlas Industries Inc. (2IS00017) <i>stormwater</i>	231	40	13	3.9	1.7
Bascom WWTP (2PG00118)	1.3	1.3	1.3	1.3	1.3
Bettesville WWTP (2PA00072)	4.4	4.4	4.4	4.4	4.4
Brookpark Estates MHP (2PY0034)	0.25	0.25	0.25	0.25	0.25
Buckeye Partners LP (2IN00209) <i>stormwater</i>	231	40	13	3.9	1.7
Carmeuse Lime Inc. (2IN00051)	0.063	0.063	0.063	0.063	0.063
Carmeuse Lime Inc. (2IN00051) <i>stormwater</i>	462	80	26	7.9	3.4

continued on the next page

Duration Interval	High	Moist	Mid-range	Dry	Low
	5%	25%	50%	75%	95%
Wasteload Allocations^c (continued)					
Church & Dwight Co. Inc. (2IE00011)	2.0	2.0	2.0	2.0	2.0
Church & Dwight Co. Inc. (2IE00011) <i>stormwater</i>	231	40	13	3.9	1.7
<i>Construction stormwater</i> (OHC000003)	231	40	13	3.9	1.7
Hammer-Heinsman Estates (2PG00011)	0.75	0.75	0.75	0.75	0.75
Hopewell Estates MHP (2PY00006)	0.4	0.4	0.4	0.4	0.4
Hopewell Loudon School (2PT00044)	0.42	0.42	0.42	0.42	0.42
IAR Land Fostoria LLC (2IN00211) <i>stormwater</i>	231	40	13	3.9	1.7
<i>Industrial stormwater</i> (OHR00005)	231	40	13	3.9	1.7
Meadowbrook Park WWTP (2PR00142)	0.33	0.33	0.33	0.33	0.33
MGQ., Inc. Liberty Quarry (2IJ00099) <i>stormwater</i>	231	40	13	3.9	1.7
PJ's Brickhouse (2PR00114)	0.04	0.04	0.04	0.04	0.04
Poplar Village MHP (2PY00032)	0.47	0.47	0.47	0.47	0.47
Sunny Farms Landfill, LLC (2IN00136) <i>stormwater</i>	231	40	13	3.9	1.7
Webster Industries Inc. (2IS00035) ^e	0	0	0	0	0

Notes

- TMDL components are reported to the nearest pound per day. The sum of the TMDL components is equivalent to the TMDL.
- A boundary condition is set on the Sandusky River at RM 38.50 at Ohio EPA assessment site U04S26 in HUC 04100011 11 05, just below the mouth of Morrison Creek.
- The *WLA (sum)* is the summation of WLAs reported in the lower section of this table. The *WLA (sum)* may be greater than the summation of the WLAs; this occurs when one or more storm water WLAs is multiple orders of magnitude smaller than the summation and it was necessary to round the *WLA (sum)* up.
- WLAs are reported to the second significant digit.
- Webster Industries Inc. is only permitted to discharge non-contact cooling water that must be free of process water and sanitary wastewater.