

**Appendix C.**  
**Load Duration Curves and Reduction Tables**

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## Abbreviations and Acronyms

<i>E. coli</i>	<i>Escherichia coli</i>
HUC	hydrologic unit code
LDC	load duration curve
MHP	mobile home park
Ohio EPA	Ohio Environmental Protection Agency
RM	river mile
TMDL	total maximum daily load
TSS	total suspended solids

## Units of Measure

counts/d	<i>E. coli</i> counts per day
lb/d	pounds per day
mgd	million gallons per day

## 1. Aquatic Life Use Impairments

### 1.1. Turtle Creek and Frontal Lake Erie (HUC 04100010 07 01)

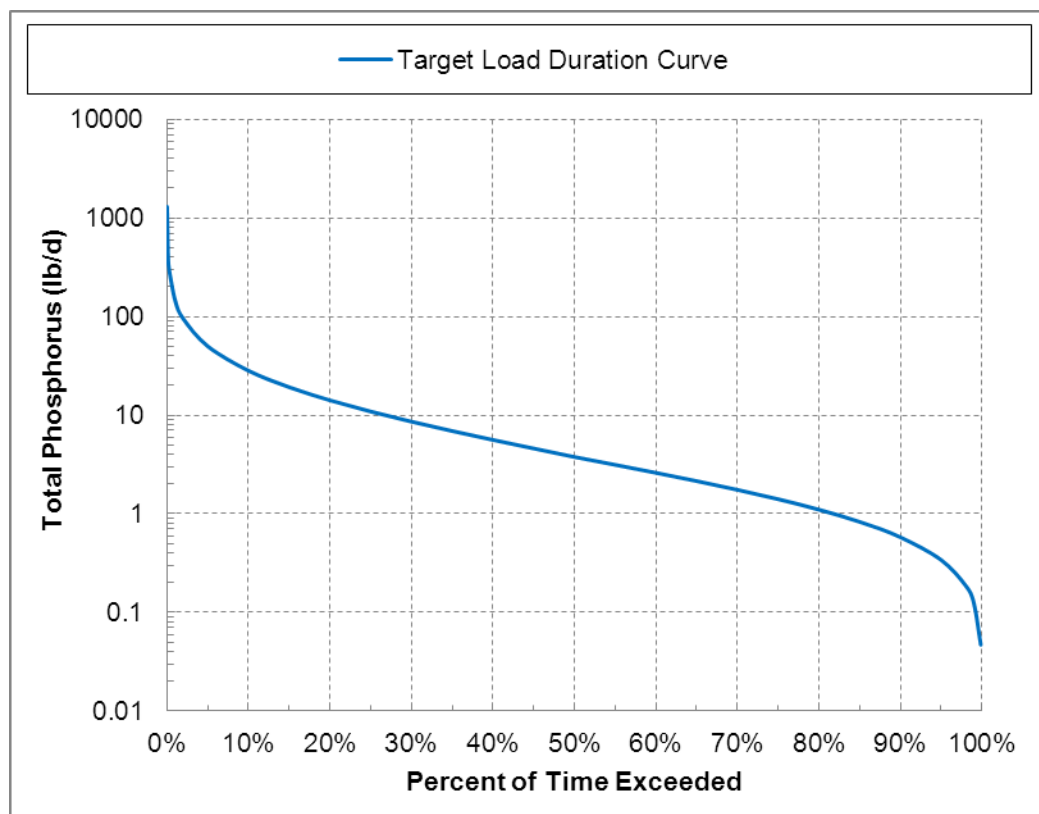


Figure C-1. Total phosphorus TMDL for Turtle Creek at North Lickett Harder Road (RM 5.30).

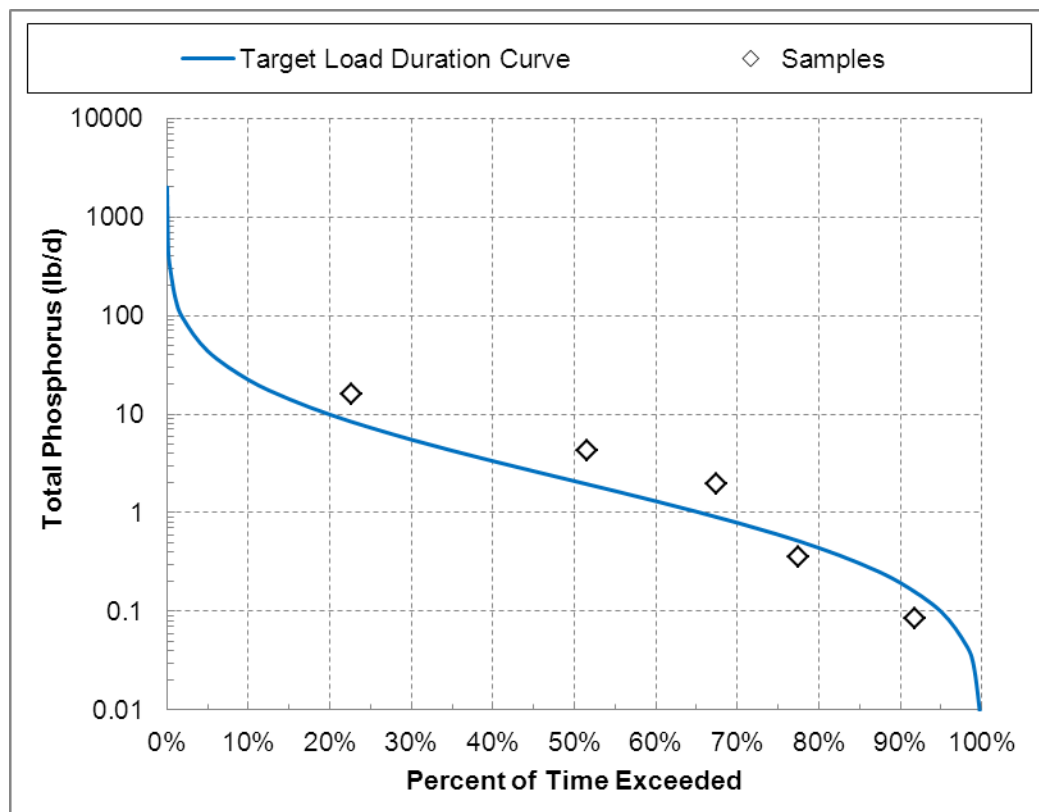


Figure C-2. Total phosphorus LDC analysis for Turtle Creek at Nissen Road (S03K05; RM 11.62).

Table C-1. Necessary total phosphorus reductions for Turtle Creek at Nissen Road (S03K05, RM 11.62)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	67.4%	91.8%
Loading capacity (lb/d)	--	8.35	1.96	0.91	0.16
Observed load (lb/d)	--	15.95	4.23	1.96	0.08
Reduction	--	48%	54%	53%	0%

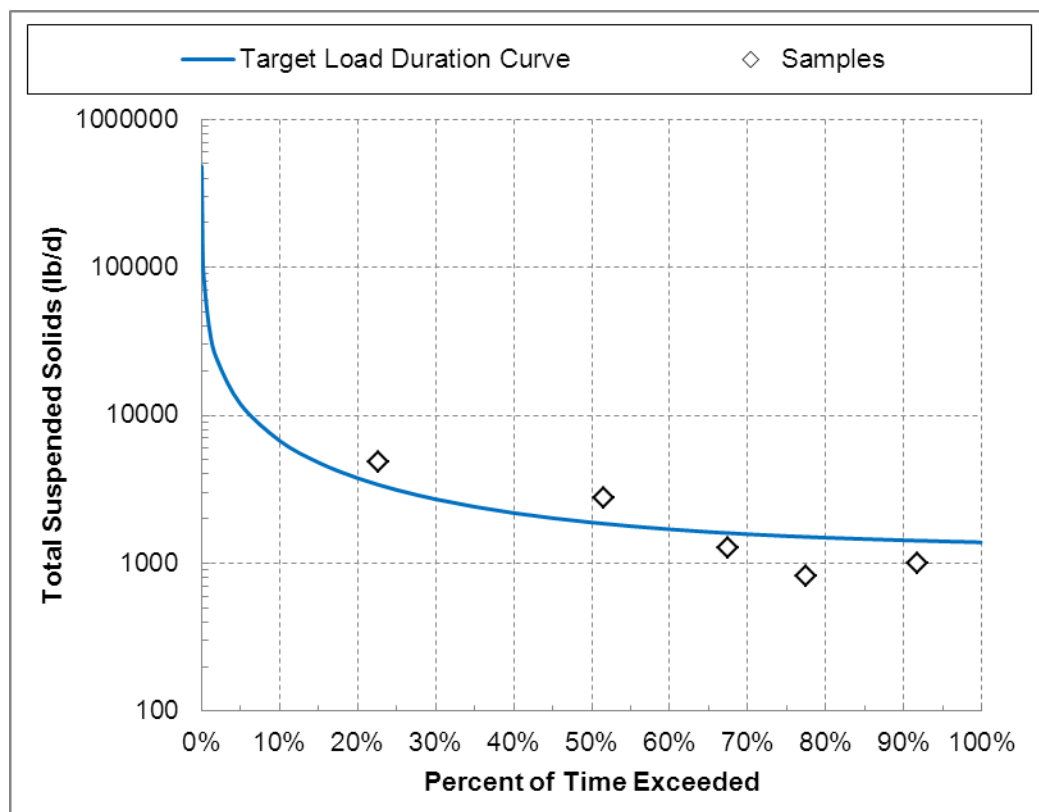


Figure C-3. TSS LDC analysis for Turtle Creek at Nissen Road (S03K05; RM 11.62).

The design flow of White Rock Quarry (Ohio EPA ID 2IJ00037; 6.91 mgd) was included in the LDC.



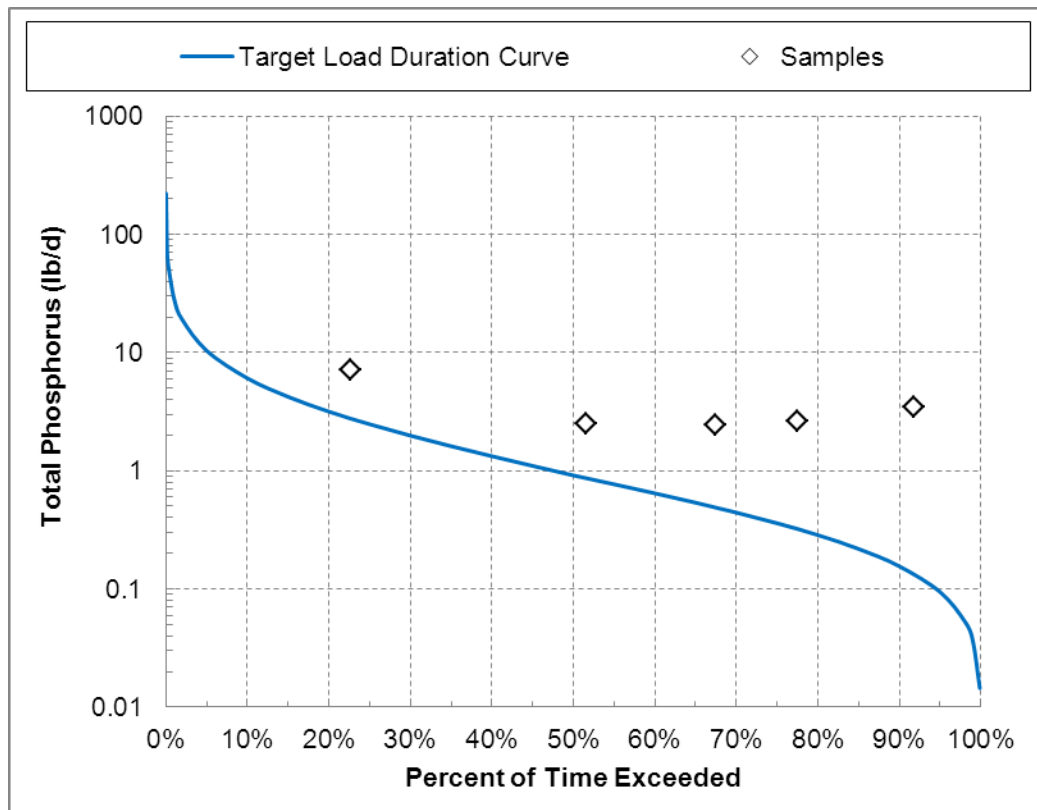


Figure C-4. Total phosphorus TMDL and LDC analysis for South Branch Turtle Creek at Moline Road (S03K07, RM 2.65).

Table C-2. Necessary total phosphorus reductions for South Branch Turtle Creek at Moline Road (S03K07, RM 2.65)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	67.4%	91.8%
Loading capacity (lb/d)	--	2.76	0.87	0.49	0.13
Observed load (lb/d)	--	7.04	2.49	2.42	3.43
Reduction	--	61%	65%	80%	96%

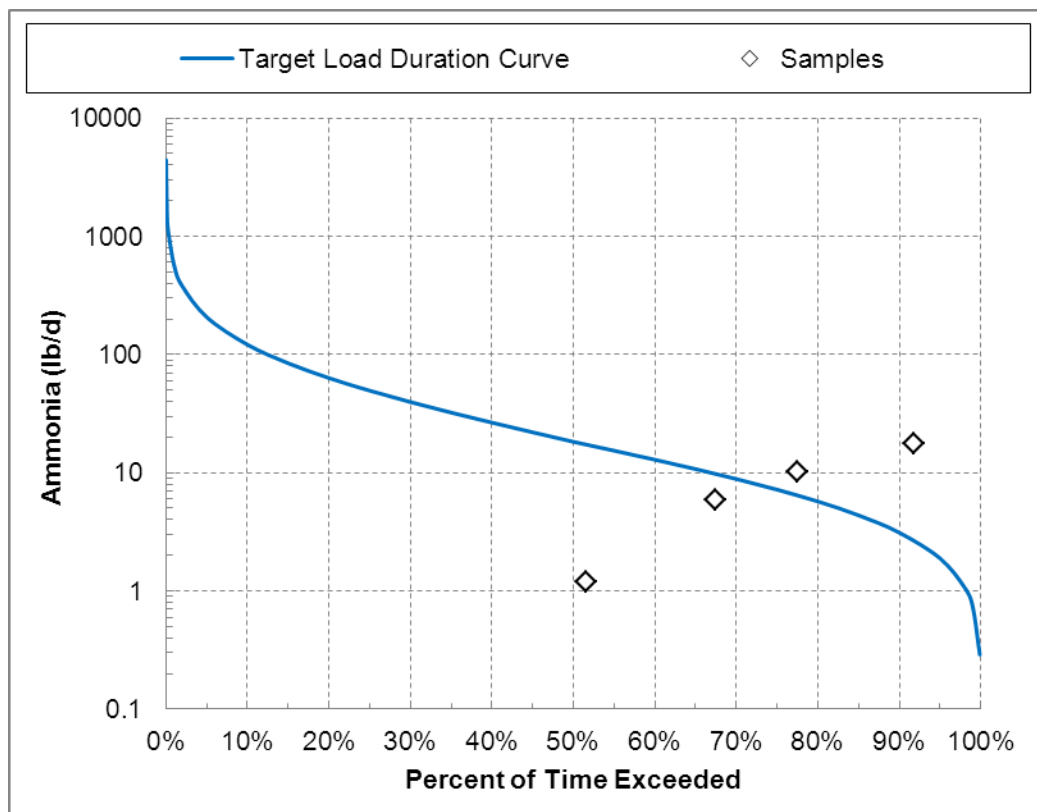


Figure C-5. Ammonia TMDL and LDC analysis for South Branch Turtle Creek at Moline Road (S03K07, RM 2.65).

Table C-3. Necessary ammonia reductions for South Branch Turtle Creek at Moline Road (S03K07, RM 2.65)

Flow Duration Interval	High	Moist	Mid-range	Dry	Low
	--	--	51.5%	67.4%	91.8%
Loading capacity (lb/d)	--	--	17.37	9.81	2.67
Observed load (lb/d)	--	--	1.20	5.94	17.55
Reduction	--	--	0%	0%	85%

Note: Reductions and load capacities in this table are calculated using the pH and temperature of individual samples. The LDC was calculated using a typical pH and temperature.

## 1.2. Crane Creek and Frontal Lake Erie (HUC 04100010 07 02)

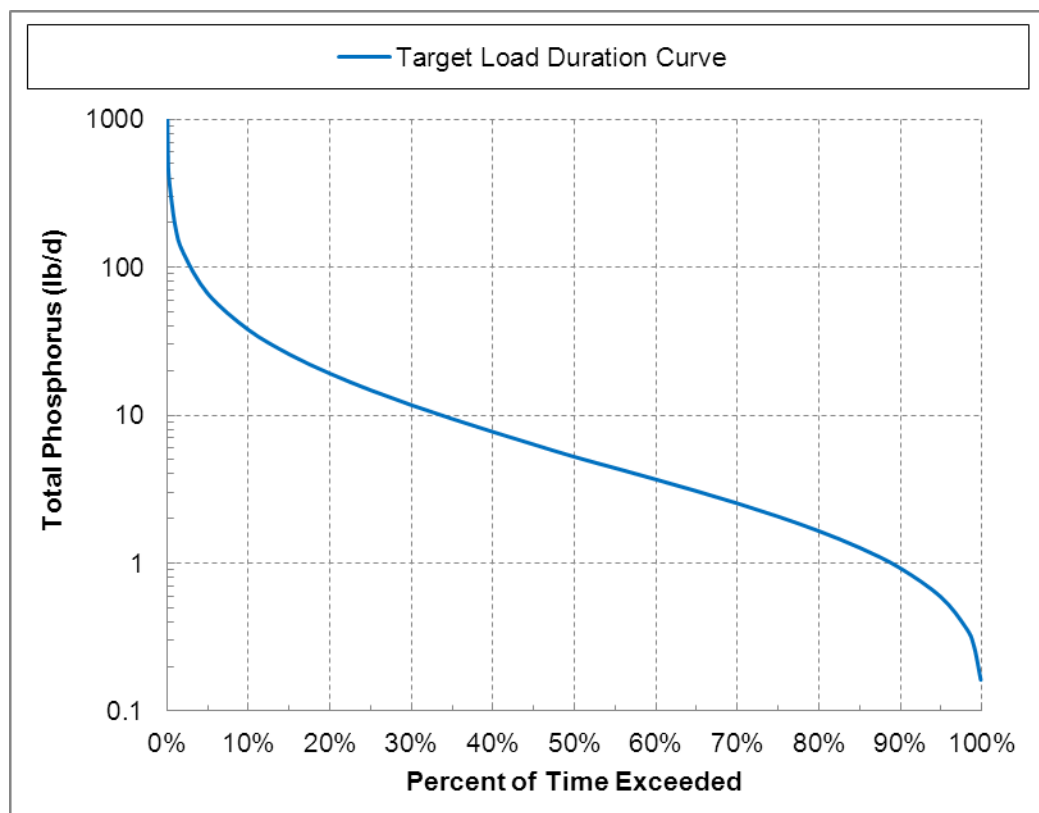


Figure C-6. Total phosphorus TMDL for Crane Creek at Nissen Road (RM 6.5).

The design flows of Perrysburg Estates MHP (Ohio EPA ID 2PY00014; 0.0624 mgd) and Village Green MHP (Ohio EPA ID 2PY00008; 0.045 mgd) were included in the LDC.

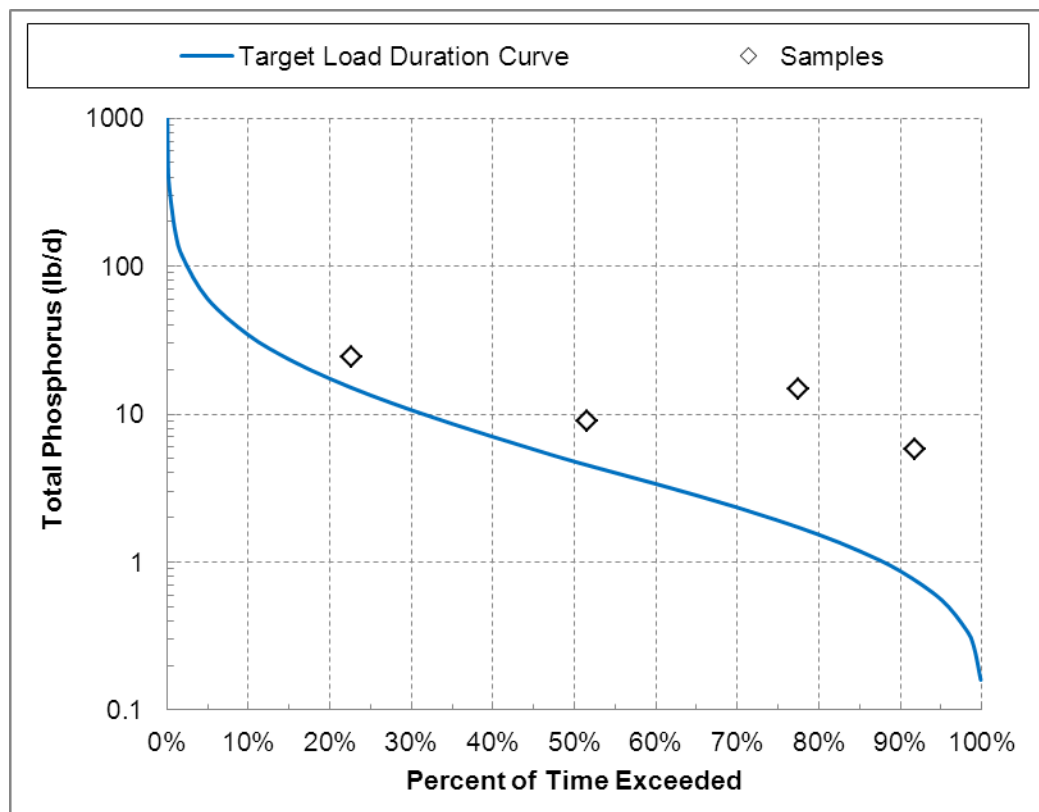


Figure C-7. Total phosphorus LDC analysis for Crane Creek at Martin-Williston Road (S03G21, RM 8.83)

Table C-4. Necessary total phosphorus reductions for Crane Creek at Martin-Williston Road (S03G21, RM 8.83)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	77.5%	91.8%
Loading capacity (lb/d)	--	15.05	4.54	1.72	0.76
Observed load (lb/d)	--	24.22	9.03	14.86	5.79
Reduction	--	<b>38%</b>	<b>50%</b>	<b>88%</b>	<b>87%</b>

The design flows of Perrysburg Estates MHP (Ohio EPA ID 2PY00014; 0.0624 mgd) and Village Green MHP (Ohio EPA ID 2PY00008; 0.045 mgd) were included in the LDC and calculated loads.

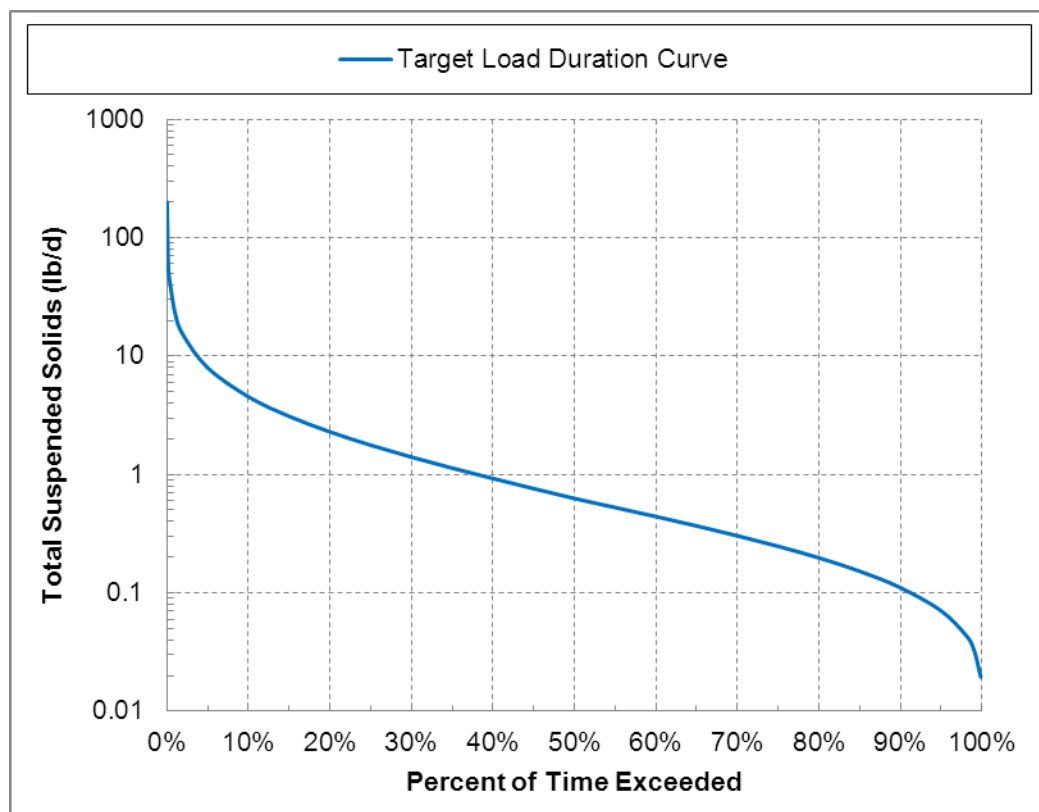


Figure C-8. TSS TMDL for Crane Creek at Nissen Road (RM 6.5).

The design flows of Perrysburg Estates MHP (Ohio EPA ID 2PY00014; 0.0624 mgd) and Village Green MHP (Ohio EPA ID 2PY00008; 0.045 mgd) were included in the LDC.

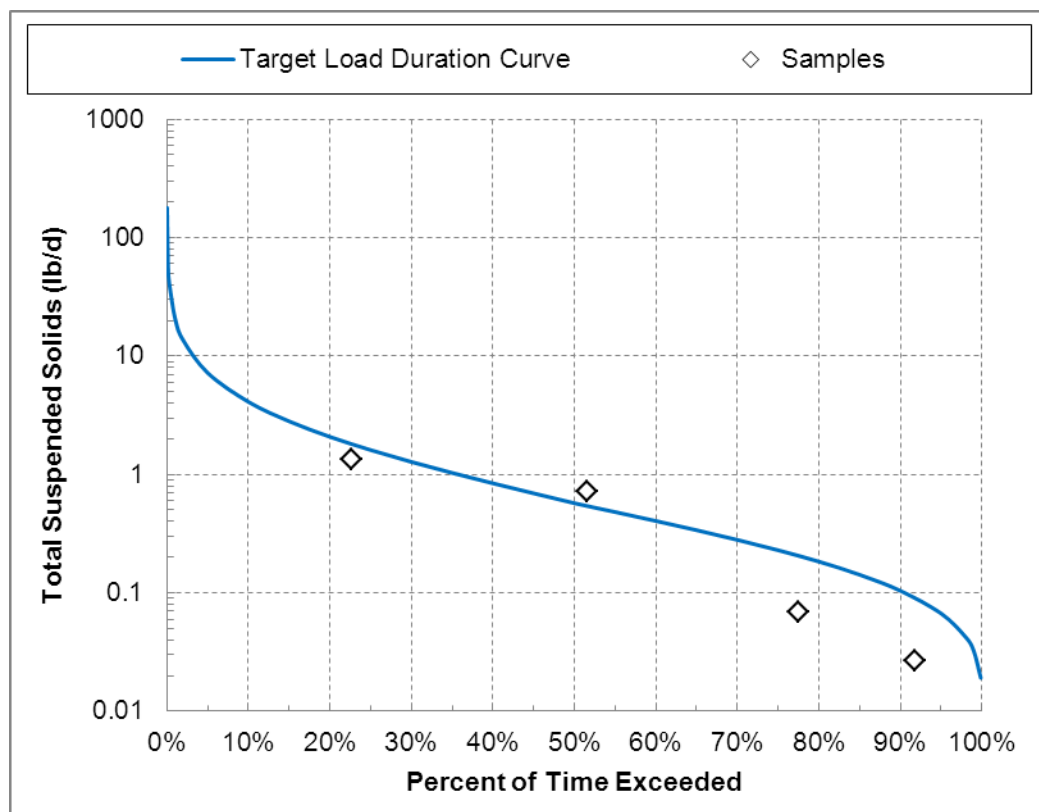


Figure C-9. TSS LDC analysis for Crane Creek at Martin-Williston Road (S03G21, RM 8.83).

Table C-5. Necessary TSS reductions for Crane Creek at Martin-Williston Road (S03G21, RM 8.83)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	77.5%	91.8%
Loading capacity (lb/d)	--	1.81	0.54	0.206	0.091
Observed load (lb/d)	--	1.35	0.73	0.069	0.027
Reduction	--	0%	25%	0%	0%

The design flows of Perrysburg Estates MHP (Ohio EPA ID 2PY00014; 0.0624 mgd) and Village Green MHP (Ohio EPA ID 2PY00008; 0.045 mgd) were included in the LDC and calculated loads.

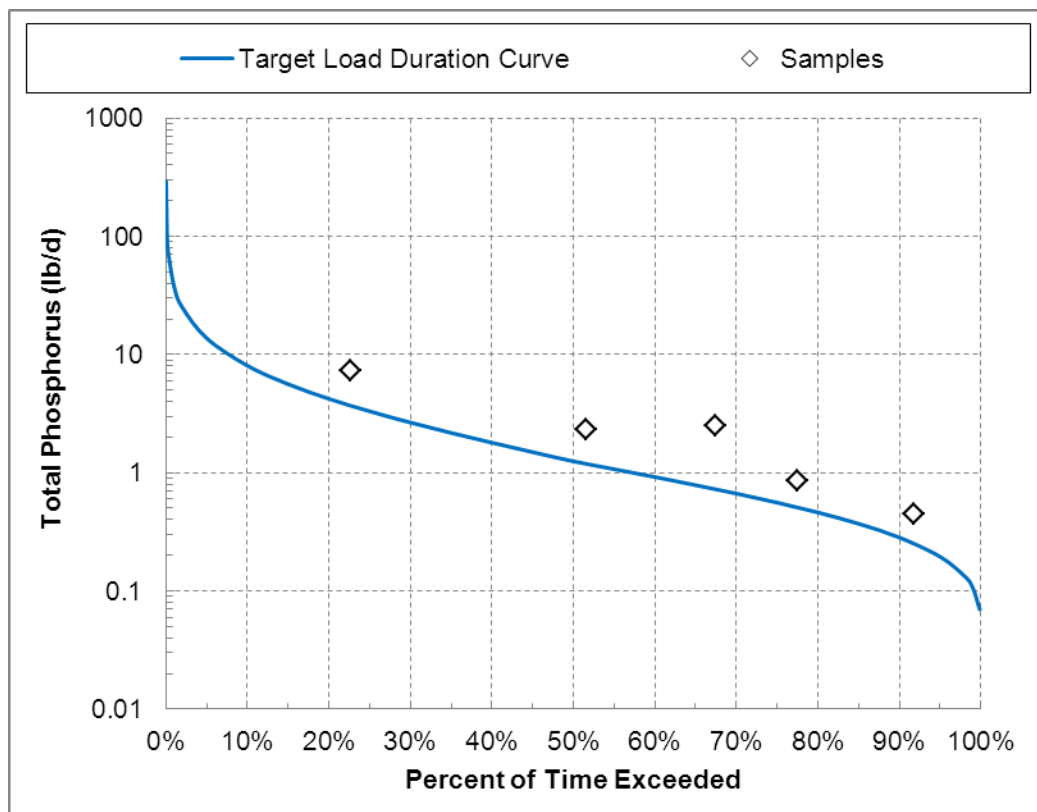


Figure C-10. Total phosphorus TMDL and LDC analysis for Henry Creek at Bradner Road (201118, RM 0.01).

Table C-6. Necessary total phosphorus reductions for Henry Creek at Bradner Road (201118, RM 0.01)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	67.4%	91.8%
Loading capacity (lb/d)	--	3.69	1.19	0.73	0.25
Observed load (lb/d)	--	7.29	2.31	2.47	0.45
Reduction	--	<b>49%</b>	<b>48%</b>	<b>71%</b>	<b>44%</b>

The design flow of Perrysburg Estates MHP (Ohio EPA ID 2PY00014; 0.0624 mgd) was included in the LDC and calculated loads.

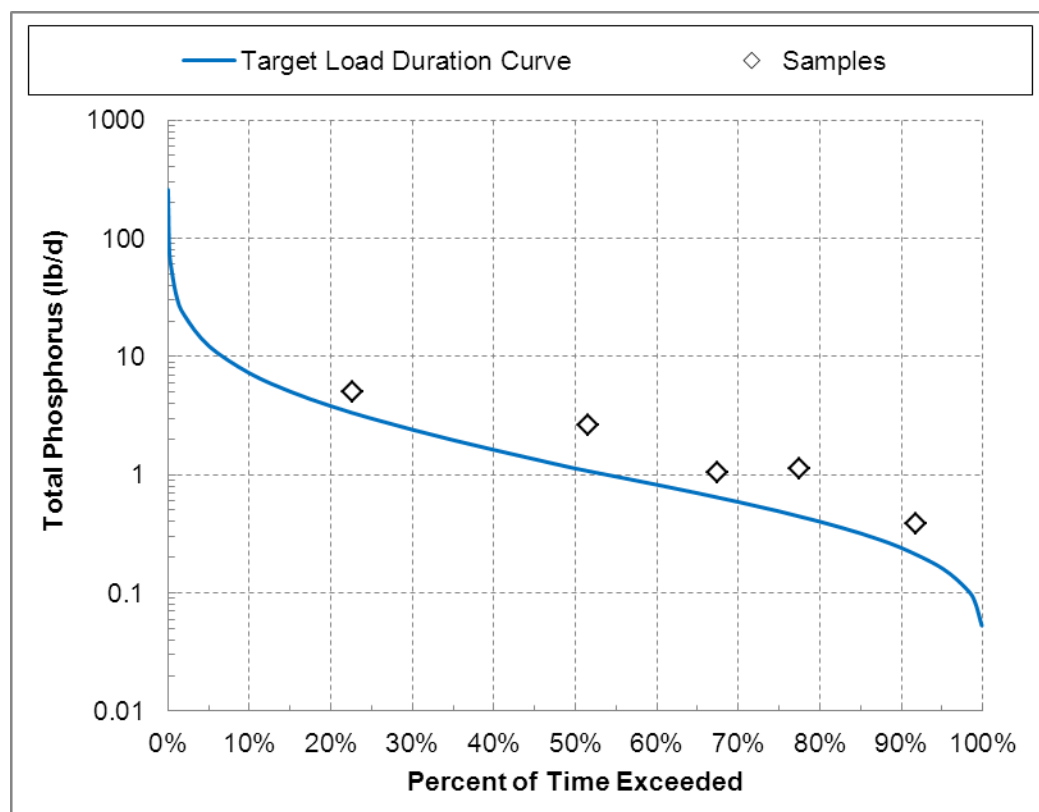


Figure C-11. Total phosphorus TMDL and LDC analysis for Crane Creek at Hanley Road (S03P21, RM 18.82).

Table C-7. Necessary total phosphorus reductions for Crane Creek at Hanley Road (S03P21, RM 18.82)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	67.4%	91.8%
Loading capacity (lb/d)	--	3.33	1.08	0.65	0.21
Observed load (lb/d)	--	5.08	2.63	1.03	0.38
Reduction	--	<b>34%</b>	<b>59%</b>	<b>38%</b>	<b>44%</b>

The design flow of Village Green MHP (Ohio EPA ID 2PY00008; 0.045 mgd) was included in the LDC and calculated loads.



### 1.3. Cedar Creek and Frontal Lake Erie (HUC 04100010 07 03)

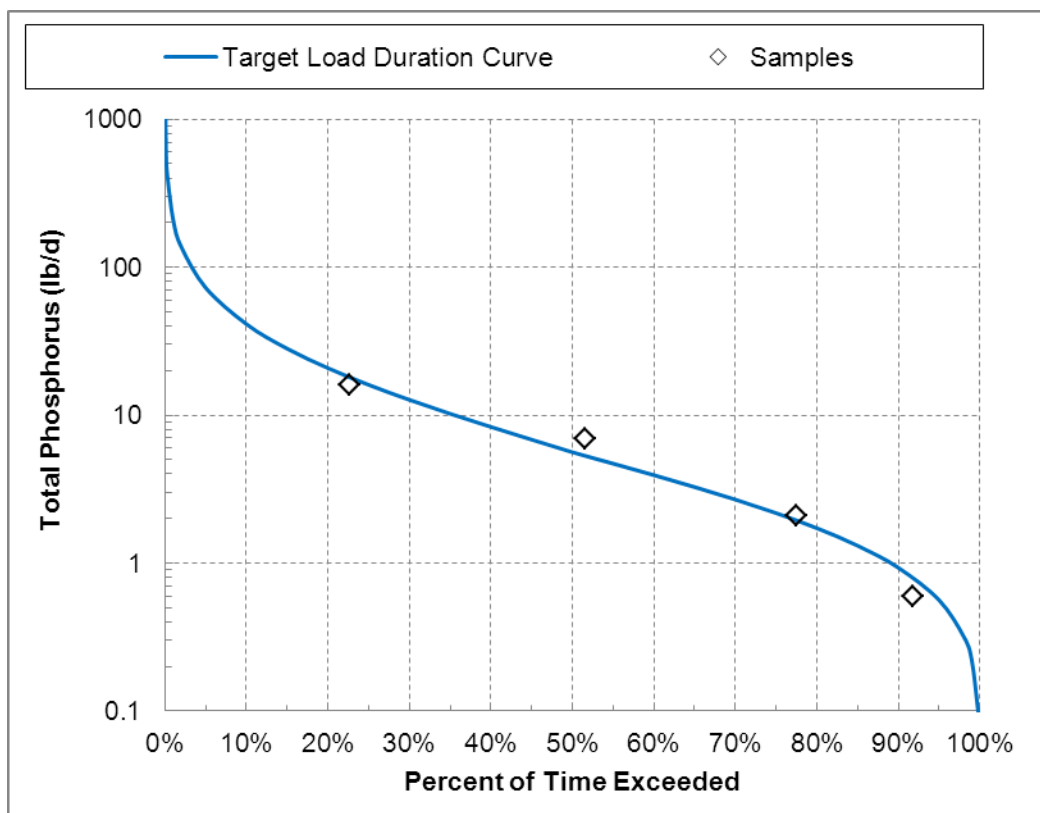


Figure C-12. Total phosphorus TMDL and LDC analysis for Cedar Creek at Yondota Road (S03S55, RM 4.27).

Table C-8. Necessary total phosphorus reductions for Cedar Creek at Yondota Road (S03S55, RM 4.27)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	67.4%	91.8%
Loading capacity (lb/d)	--	17.99	5.33	1.93	0.79
Observed load (lb/d)	--	16.01	6.93	2.09	0.59
Reduction	--	0%	23%	7%	0%

The design flows of Crazy Lady Inn (Ohio EPA ID 2PR00263; 0.005 mgd) and Five Point MHP (Ohio EPA ID 2PY00073; 0.0066 mgd) were included in the LDC and calculated loads.

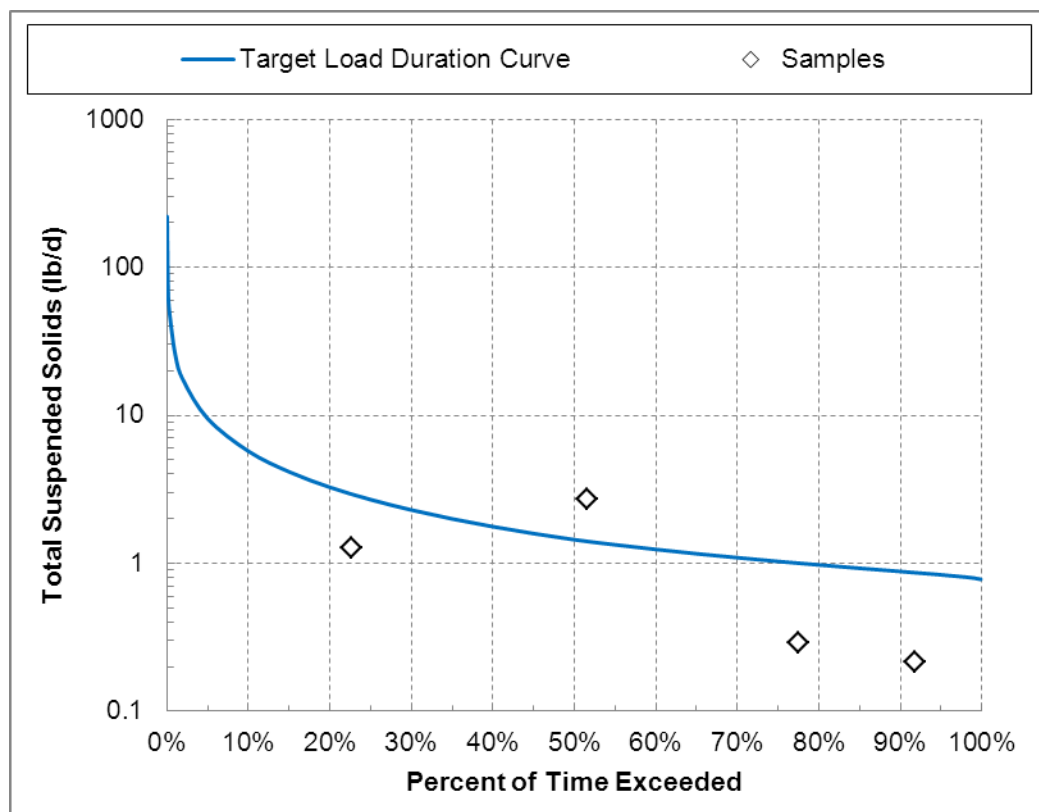


Figure C-13. TSS LDC analysis for Cedar Creek at Yondota Road (S03S55, RM 4.27).

The design flows of Cardinal Aggregates Inc (Ohio EPA ID 2IJ00098; 2.88 mgd), Crazy Lady Inn (Ohio EPA ID 2PR00263; 0.005 mgd), Five Point MHP (Ohio EPA ID 2PY00073; 0.0066 mgd) and Stoneco, Inc. Lime City Plant (Ohio EPA ID 2IJ00052; 4.80 mgd) were included in the LDC.

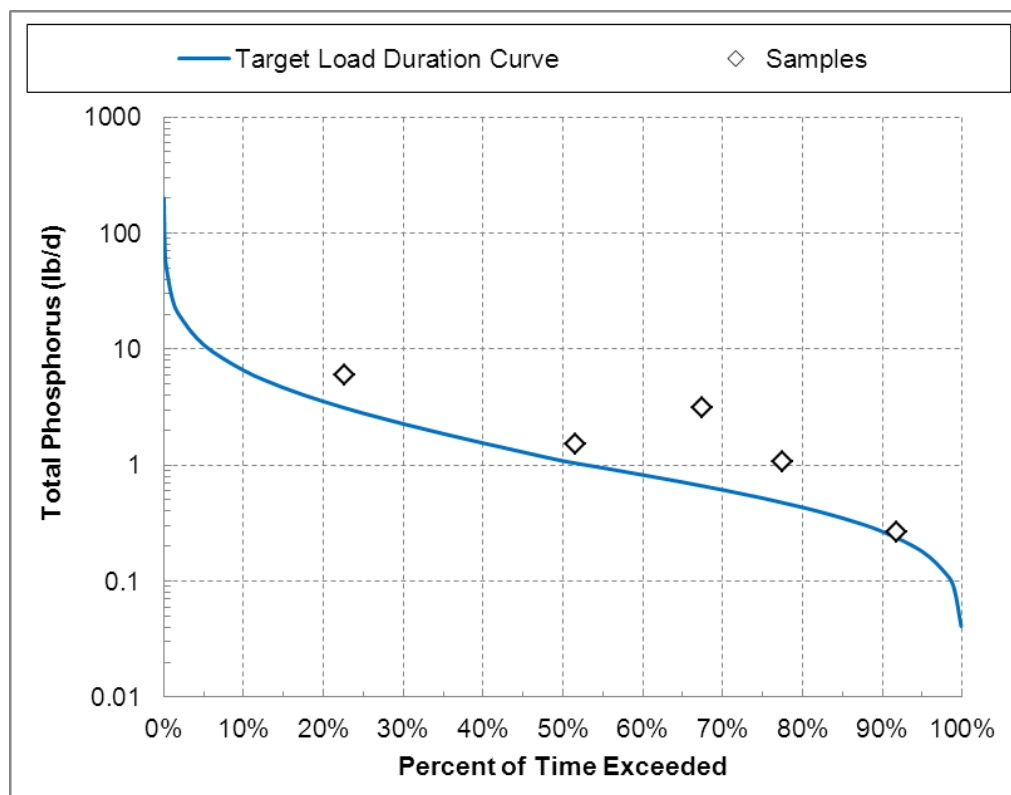


Figure C-14. Total phosphorus TMDL and LDC analysis for Dry Creek at East Broadway Street (S03S68, RM 7.00).

Table C-9. Necessary total phosphorus reductions for Dry Creek at East Broadway Street (S03S68, RM 7.00)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	67.4%	91.8%
Loading capacity (lb/d)	--	3.11	1.04	0.66	0.24
Observed load (lb/d)	--	6.02	1.53	3.12	0.26
Reduction	--	<b>48%</b>	<b>32%</b>	<b>79%</b>	<b>10%</b>

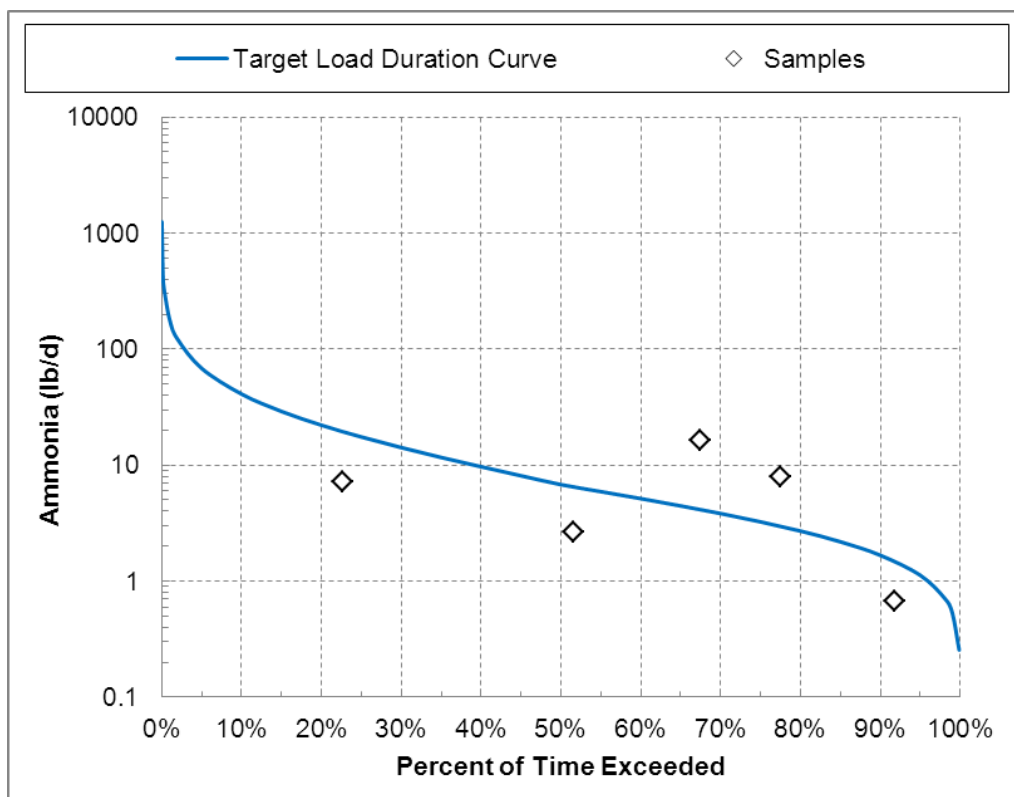


Figure C-15. Ammonia TMDL and LDC analysis for Dry Creek at East Broadway Street (S03S68, RM 7.00).

Table C-10. Necessary ammonia reductions for Dry Creek at East Broadway Street (S03S68, RM 7.00)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	67.4%	91.8%
Loading capacity (lb/d)	--	19.42	6.52	4.15	1.48
Observed load (lb/d)	--	7.26	2.65	16.43	0.68
Reduction	--	0%	0%	75%	0%

Note: Reductions and load capacities in this table are calculated using the pH and temperature of individual samples. The LDC was calculated using a typical pH and temperature.

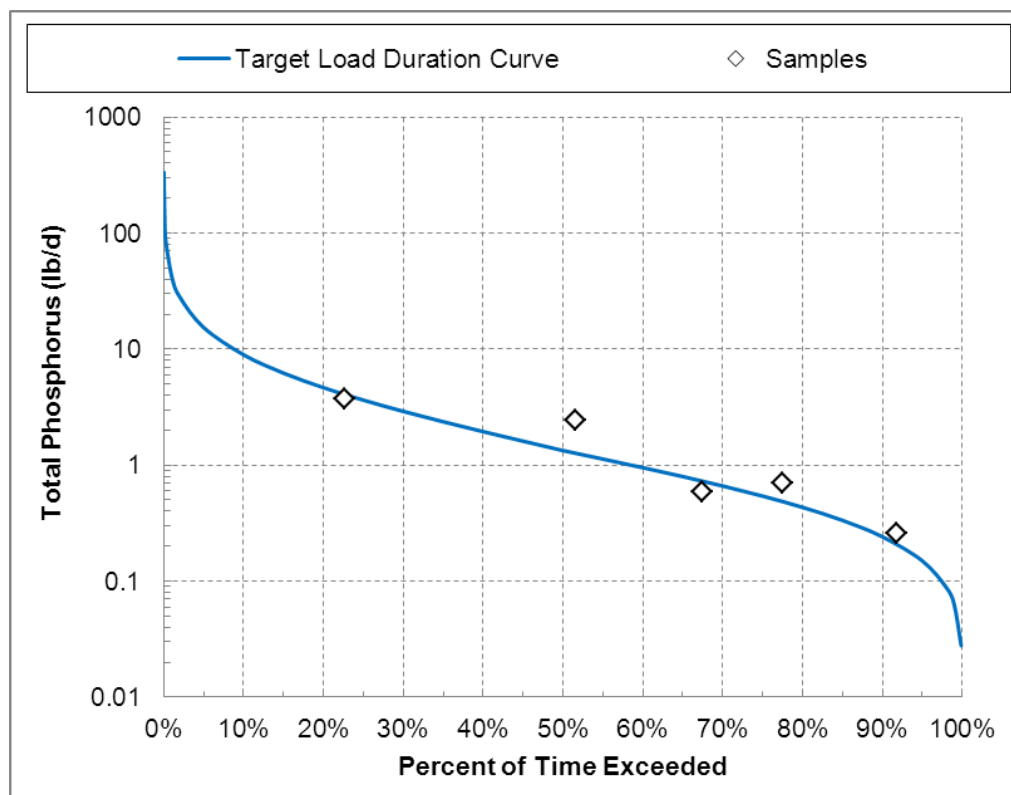


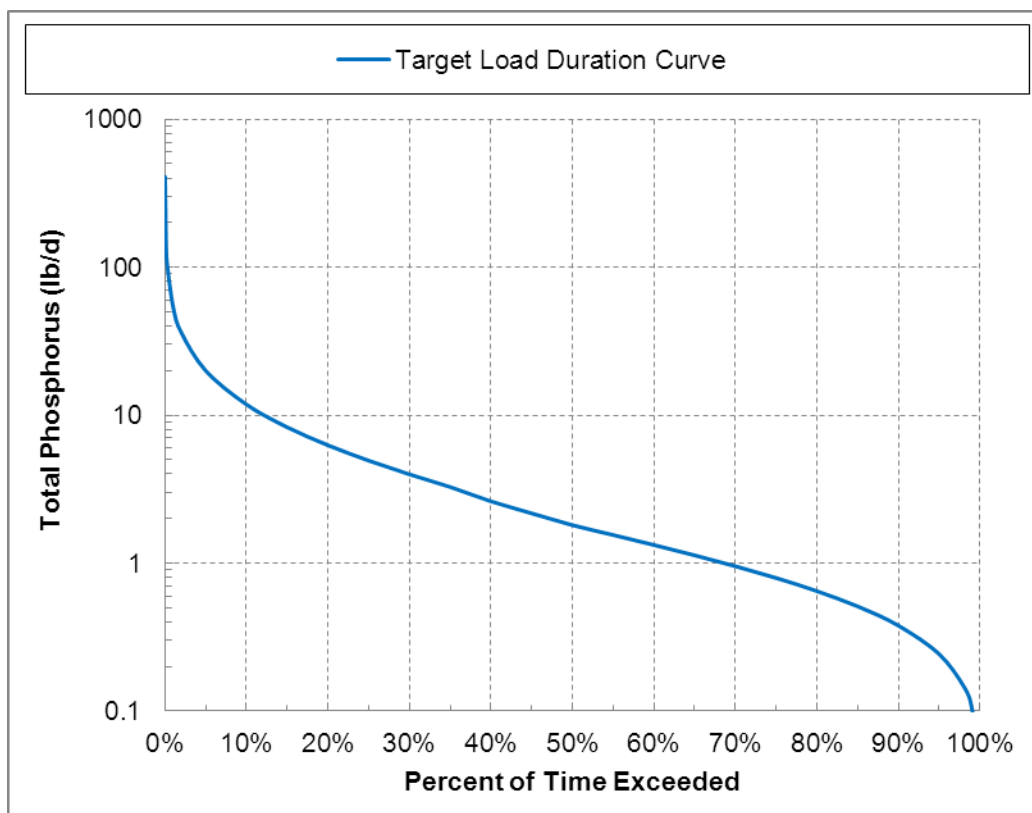
Figure C-16. Total phosphorus TMDL and LDC analysis for Cedar Creek at Oregon Road (S03S34, RM 20.77).

Table C-11. Necessary total phosphorus reductions for Cedar Creek at Oregon Road (S03S34, RM 20.77)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	67.4%	91.8%
Loading capacity (lb/d)	--	4.06	1.27	0.73	0.21
Observed load (lb/d)	--	3.70	2.43	0.58	0.26
Reduction	--	0%	<b>48%</b>	0%	<b>20%</b>

The design flow of Five Points MHP (Ohio EPA ID 2PY00073; 0.0066 mgd) was included in the LDC and calculated loads.

**1.4. Berger Ditch (HUC 04100010 07 05)**



**Figure C-17. Total phosphorus TMDL for Berger Ditch upstream of Cedar Point Road (RM 0.75).**

The design flow of Hirzel Canning Company (Ohio EPA ID 2IH00111; 0.15 mgd) was included in the LDC for the High and Moist zones. The facility is not permitted to discharge effluent under certain lower flow conditions, as monitored at an upstream location.

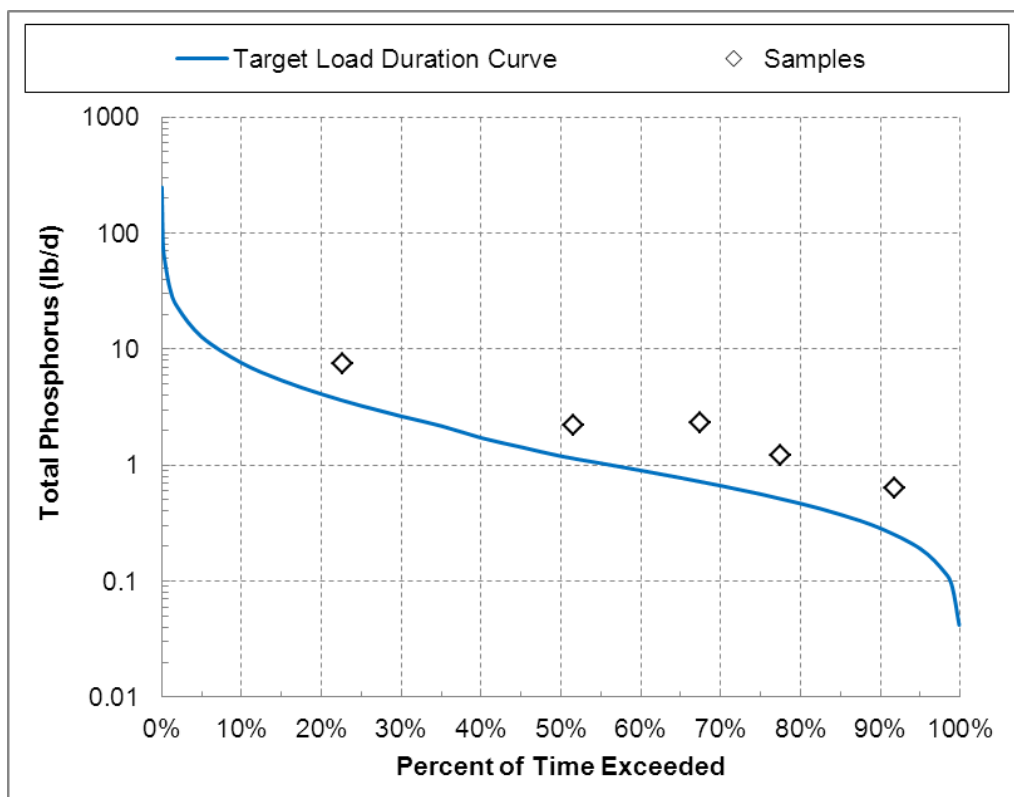


Figure C-18. Total phosphorus LDC analysis for Wolf Creek at Stadium Road (201111, RM 2.70).

Table C-12. Necessary total phosphorus reductions for Wolf Creek at Stadium Road (201111, RM 2.70)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	67.4%	91.8%
Loading capacity (lb/d)	--	3.60	1.15	0.72	0.25
Observed load (lb/d)	--	7.42	2.19	2.30	0.64
Reduction	--	52%	48%	69%	61%

The design flow of Hirzel Canning Company (Ohio EPA ID 2IH00111; 0.15 mgd) was included in the LDC and calculated loads for the High and Moist zones. The facility is not permitted to discharge effluent under certain lower flow conditions, as monitored at an upstream location.

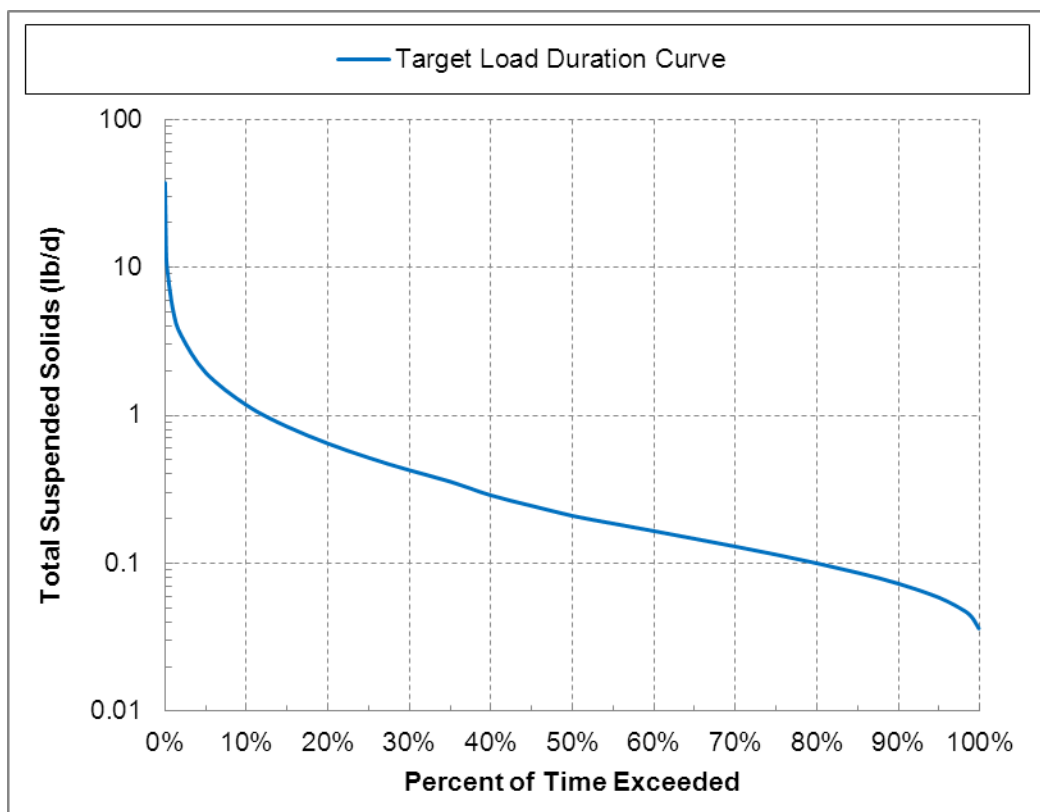


Figure C-19. TSS TMDL for Berger Ditch at Cedar Point Road (RM 0.75).

The design flow of Hirzel Canning Company (Ohio EPA ID 2IH00111; 0.15 mgd) was included in the LDC and calculated loads for the High and Moist zones. The facility is not permitted to discharge effluent under certain lower flow conditions, as monitored at an upstream location. The design flow for outfalls 001 and 002 of the Oregon WTP (Ohio EPA ID 2IW00220; 0.30 mgd) were also included in the LDC.



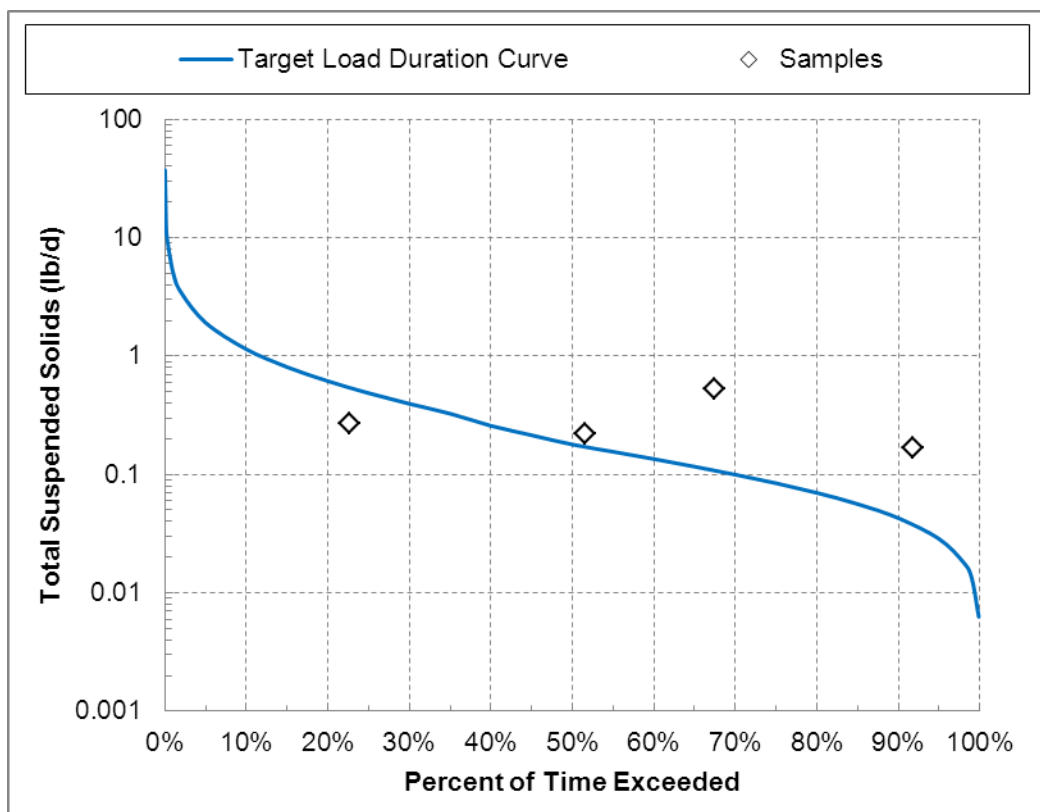


Figure 20. TSS LDC analysis for Wolf Creek at Stadium Road (201111, RM 2.70).

Table C-13. Necessary total phosphorus reductions for Wolf Creek at Stadium Road (201111, RM 2.70)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	67.4%	91.8%
Loading capacity (lb/d)	--	0.57	0.20	0.14	0.068
Observed load (lb/d)	--	0.28	0.26	0.67	0.303
Reduction	--	0%	23%	79%	78%

The design flow of Hirzel Canning Company (Ohio EPA ID 2IH00111; 0.15 mgd) was included in the LDC and calculated loads for the High and Moist zones. The facility is not permitted to discharge effluent under certain lower flow conditions, as monitored at an upstream location. The design flow for outfalls 001 and 002 of the Oregon WTP (Ohio EPA ID 2IW00220; 0.30 mgd) were also included in the LDC and calculated loads.

### 1.5. Otter Creek (HUC 041100010 07 06)

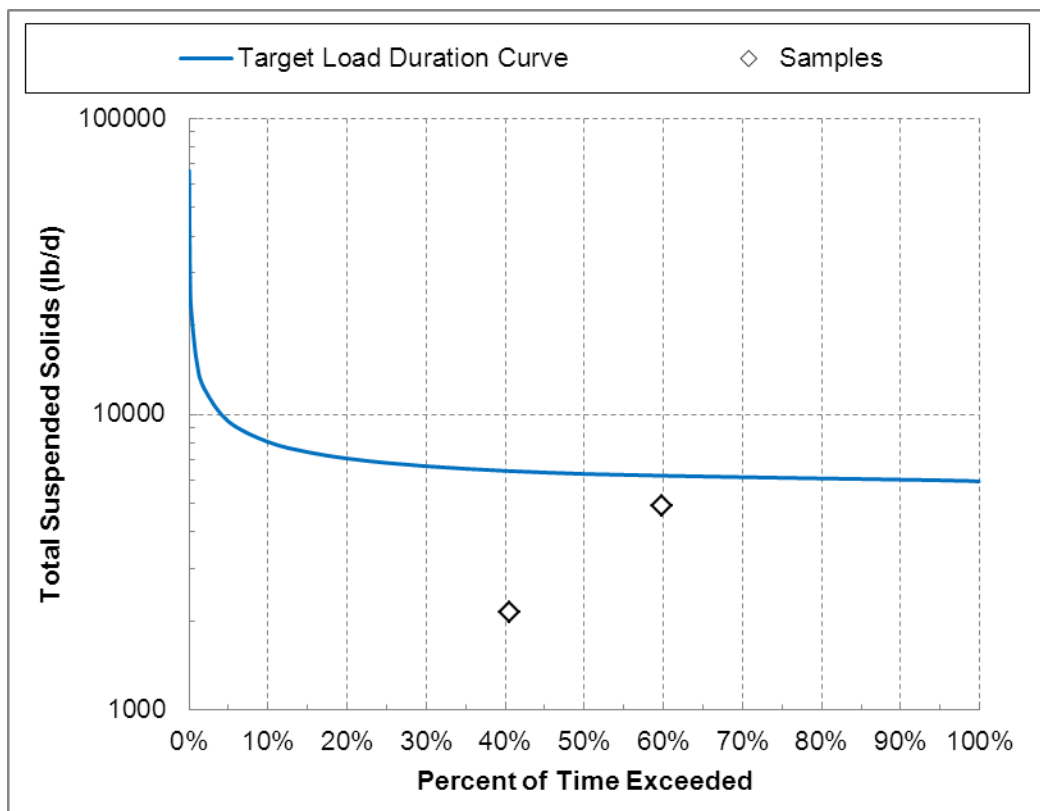


Figure C-21. TSS TMDL and LDC analysis for Otter Creek adjacent to CSX Road (S03S25, RM 0.40).

Table C-14. Necessary TSS reductions for Otter Creek adjacent to CSX Road (S03S25, RM 0.40)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	59.8%	67.4%	91.8%
Loading capacity (lb/d)	--	--	6,205	--	--
Observed load (lb/d)	--	--	4,912	--	--
Reduction	--	--	0%	--	--

The design flows of EnviroSAFE Service of Ohio (Ohio EPA ID 2IN00013; 0.0394 mgd), Buckeye Pipeline Company LP (Ohio EPA ID 2II00019; 0.0015 mgd), and Toledo WTP (Ohio EPA ID 2IW00260; a summation of 29.5 mgd for outfalls 004, 005, 006, 007, and 010) were included in the LDC and calculated loads.

### 1.6. Grassy Creek (HUC 04100009 09 02)

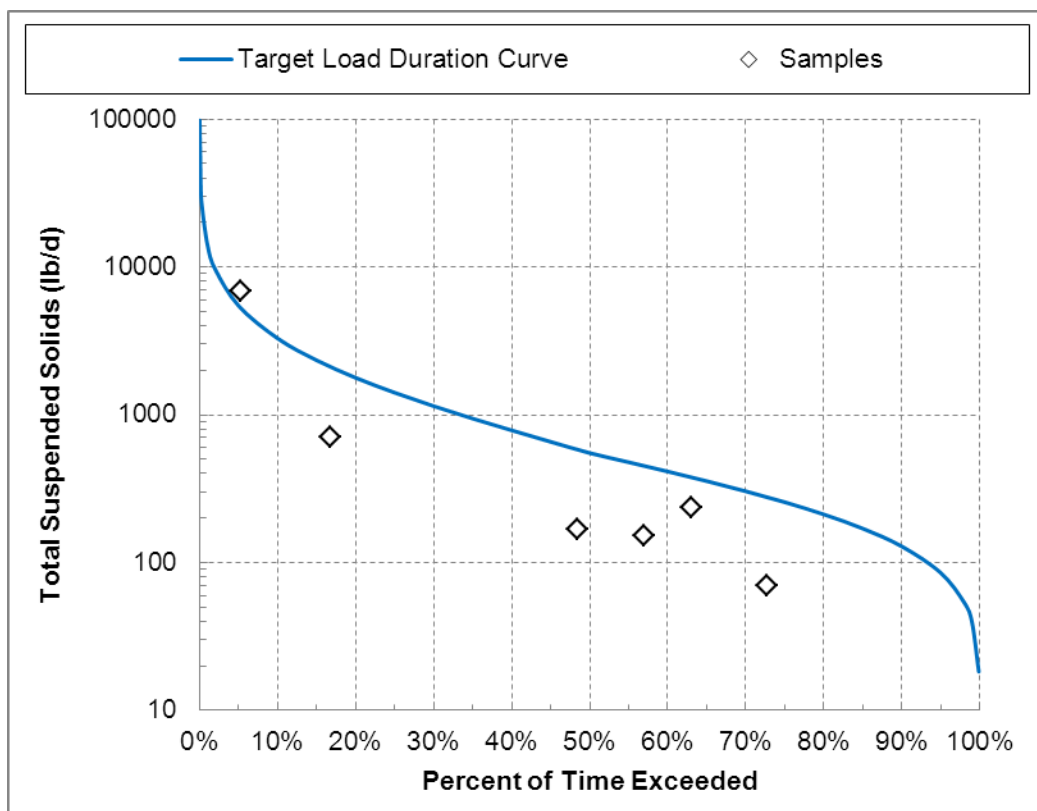


Figure C-22. TSS TMDL and LDC analysis for Grassy Creek at Glenwood Road (P11K18, RM 0.98).

Table C-15. Necessary TSS reductions for Grassy Creek at Glenwood Road (P11K18, RM 0.98)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	5.2%	11.1%	56.9%	63%	--
Loading capacity (counts/d)	5,310	2,118	453	378	--
Observed load (counts/d)	6,859	706	151	236	--
Reduction	23%	0%	0%	0%	--

### 1.7. Delaware Creek – Maumee River (HUC 04100009 09 04)

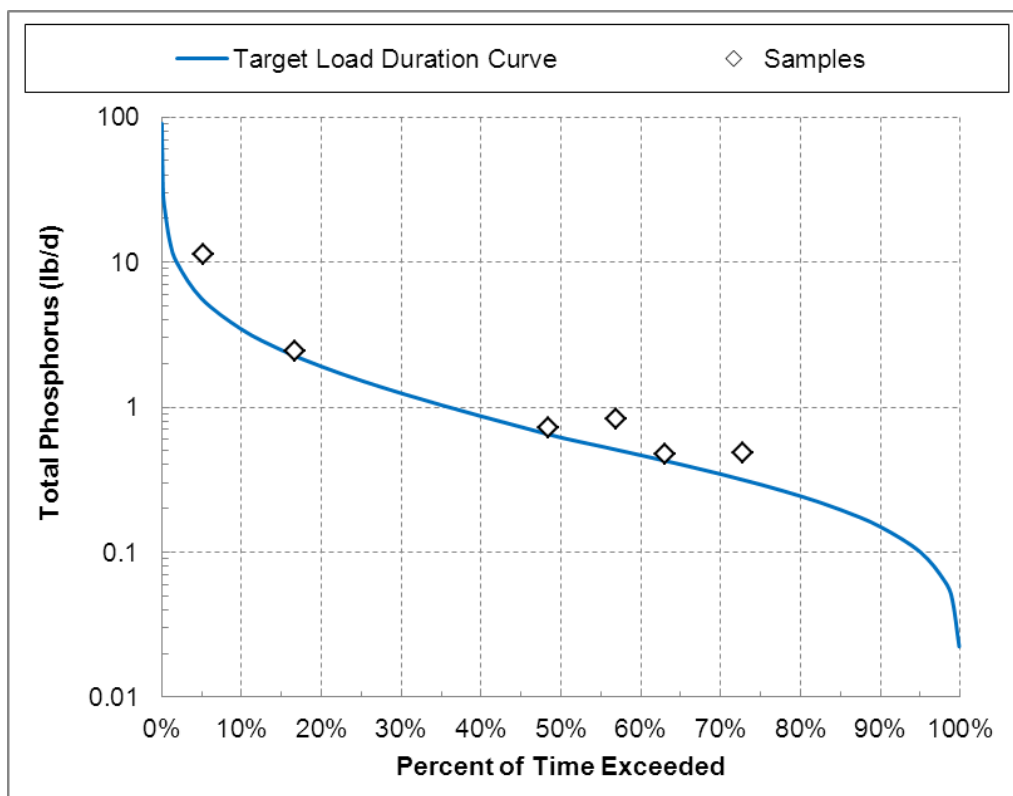


Figure C-23. Total phosphorus TMDL and LDC analysis for Delaware Creek at Rohr Drive (P11A07, RM 0.38)

Table C-16. Necessary total phosphorus reductions for Delaware Creek at Rohr Drive (P11A07, RM 0.38)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	5.2%	16.7%	56.9%	72.8%	--
Loading capacity (lb/d)	5.45	2.25	0.51	0.32	--
Observed load (lb/d)	11.31	2.42	0.83	0.48	--
Reduction	52%	7%	39%	34%	--

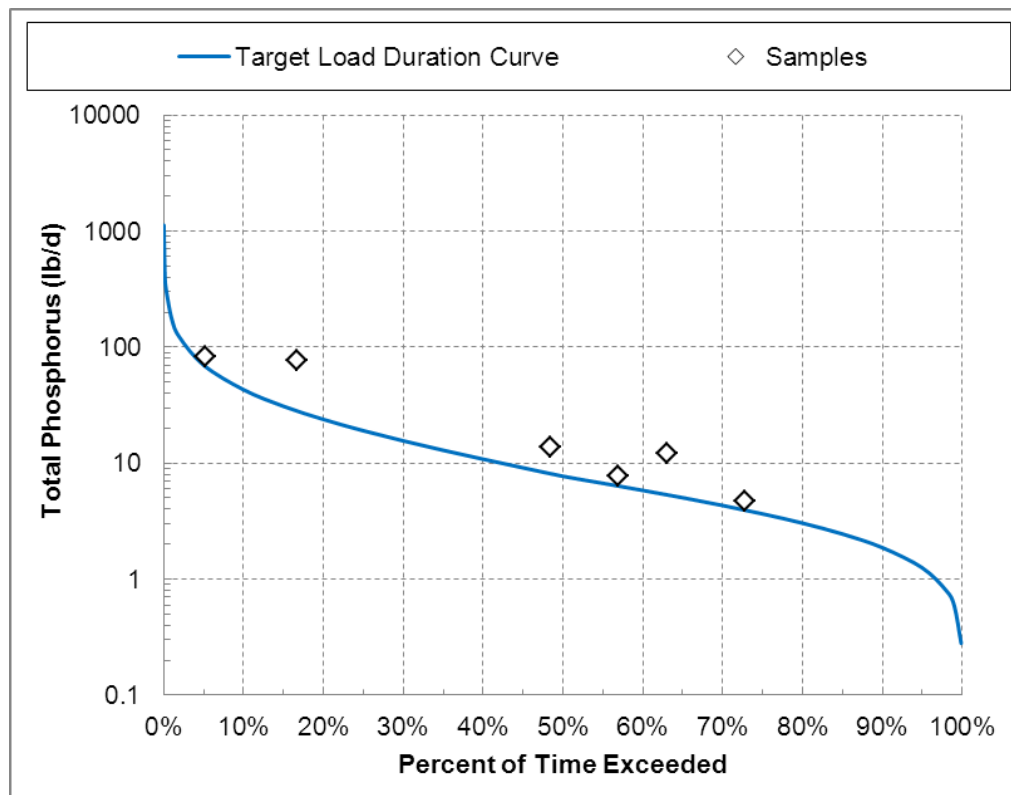


Figure C-24. Nitrate plus nitrite TMDL and LDC analysis for Delaware Creek at Rohr Drive (P11A07, RM 0.38).

Table C-17. Necessary nitrate plus nitrite reductions for Delaware Creek at Rohr Drive (P11A07, RM 0.38)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	5.2%	16.7%	48.5%	63.0%	--
Loading capacity (lb/d)	68.14	28.15	8.11	5.34	--
Observed load (lb/d)	82.45	76.29	13.63	12.19	--
Reduction	17%	63%	40%	56%	--

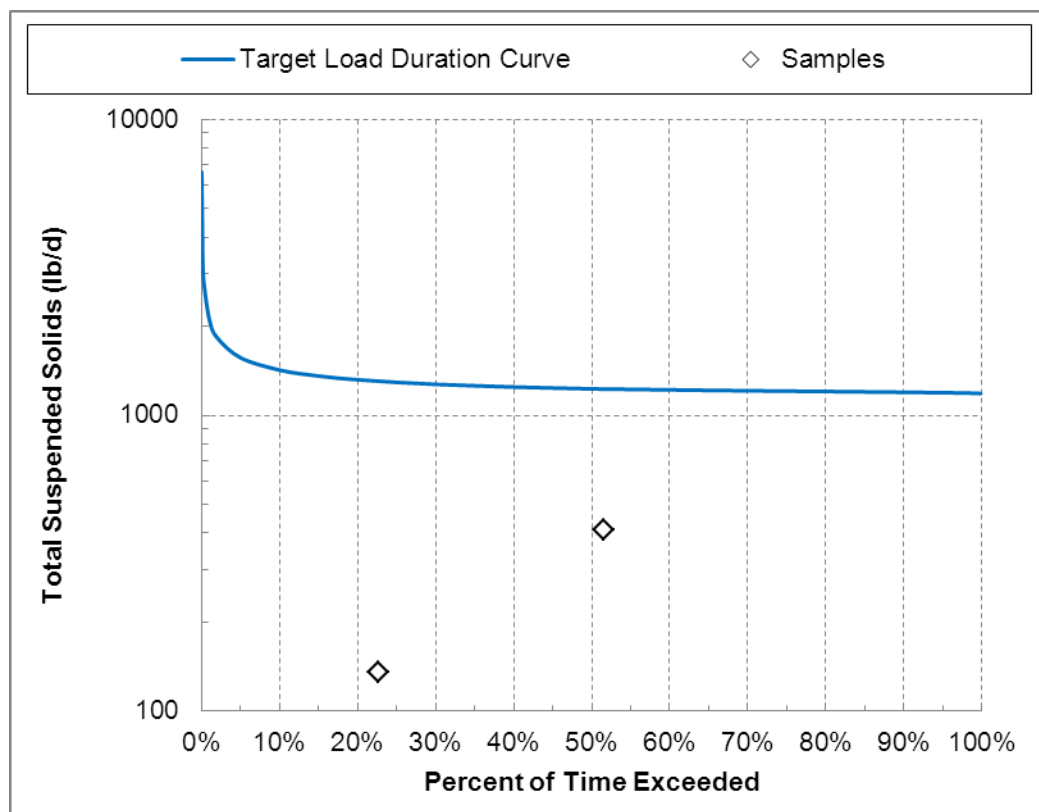


Figure C-25. TSS TMDL and LDC analysis at Duck Creek at York Street (P11S56, RM 2.52).

Table C-18. Necessary TSS reductions for Duck Creek at York Street (P11S56, RM 2.52)

Flow Duration Interval	High	Moist	Mid-range	Dry	Low
	--	22.7%	51.5%	--	--
Loading capacity (counts/d)	--	1,303	1,227	--	--
Observed load (counts/d)	--	136	409	--	--
Reduction	--	0%	0%	--	--

The design flow of the Toledo WTP (Ohio EPA ID 2IW00260; 5.9 mgd for outfall 003) was included in the LDC and calculated loads.

## 2. Recreation Use Impairments

### 2.1. Turtle Creek and Frontal Lake Erie (HUC 04100010 07 01)

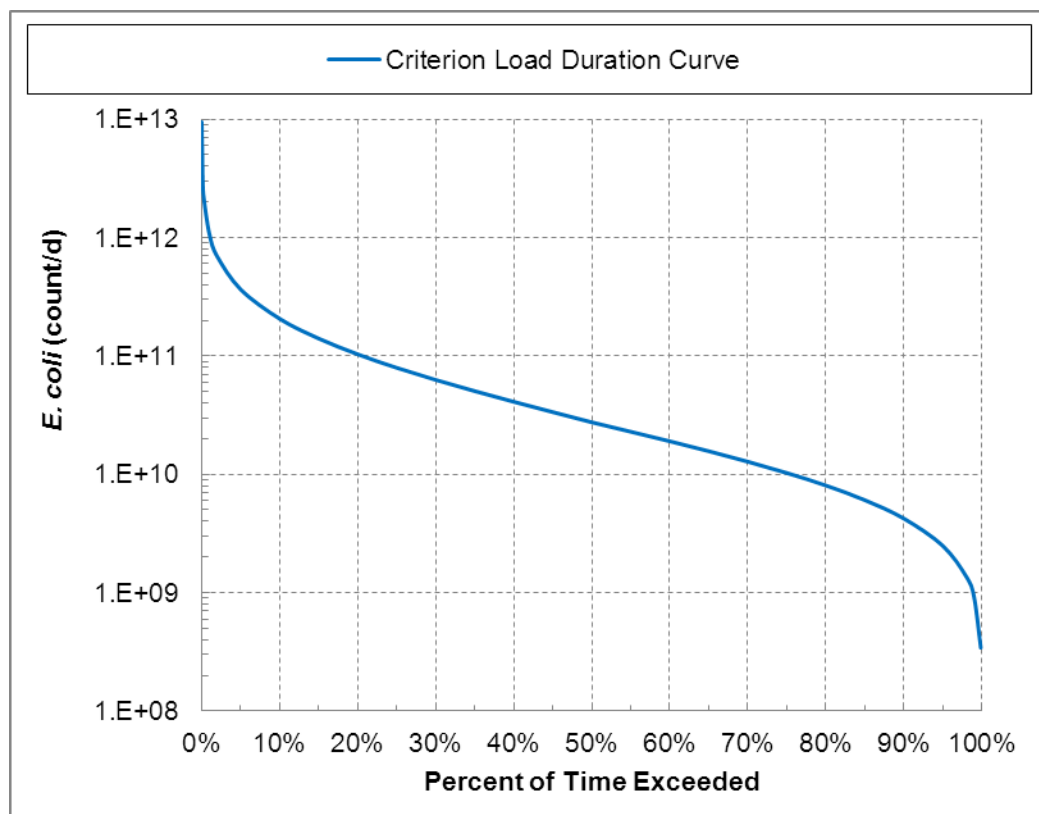


Figure C-26. *E. coli* TMDL for Turtle Creek at North Lickett Harder Road (RM 5.3).

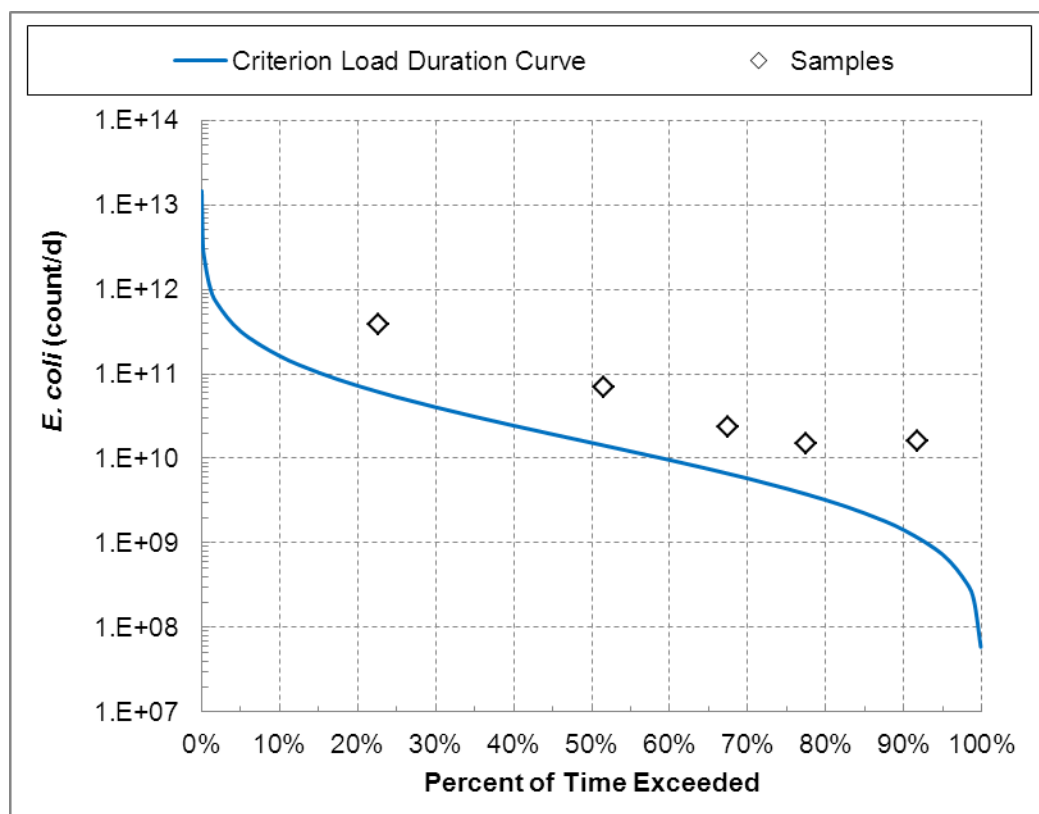


Figure C-27. *E. coli* LDC analysis for Turtle Creek at Nissen Road (S03K05, RM 11.62).

Table C-19. Necessary *E. coli* reductions for Turtle Creek at Nissen Road (S03K05, RM 11.62)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	78%	91.8%
Loading capacity (counts/d)	--	6.10E+10	1.43E+10	3.78E+09	1.16E+09
Observed load (counts/d)	--	3.79E+11	6.92E+10	1.50E+10	1.59E+10
Reduction	--	84%	79%	75%	93%



## 2.2. Crane Creek and Frontal Lake Erie (HUC 04100010 07 02)

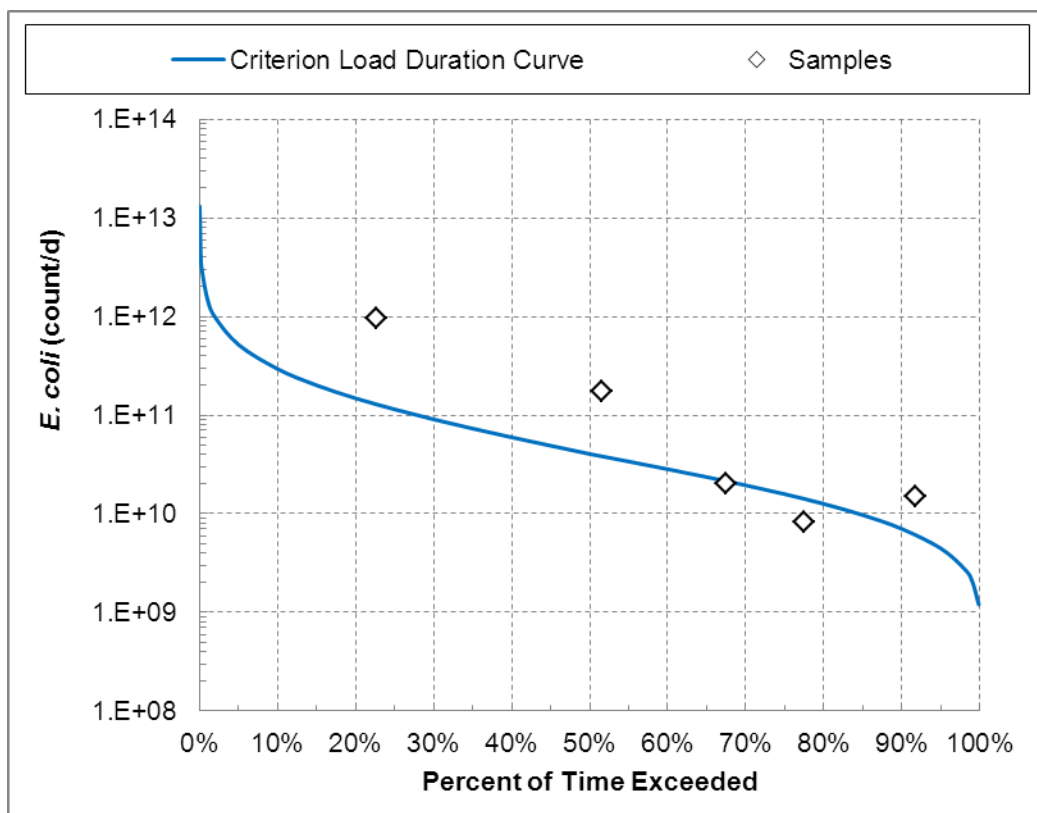


Figure C-28. *E. coli* TMDL for Crane Creek at Nissen Road (RM 6.5).'

The design flows of Perrysburg Estates MHP (Ohio EPA ID 2PY00014; 0.0624 mgd) and Village Green MHP (Ohio EPA ID 2PY00008; 0.045 mgd) were included in the LDC and calculated loads.

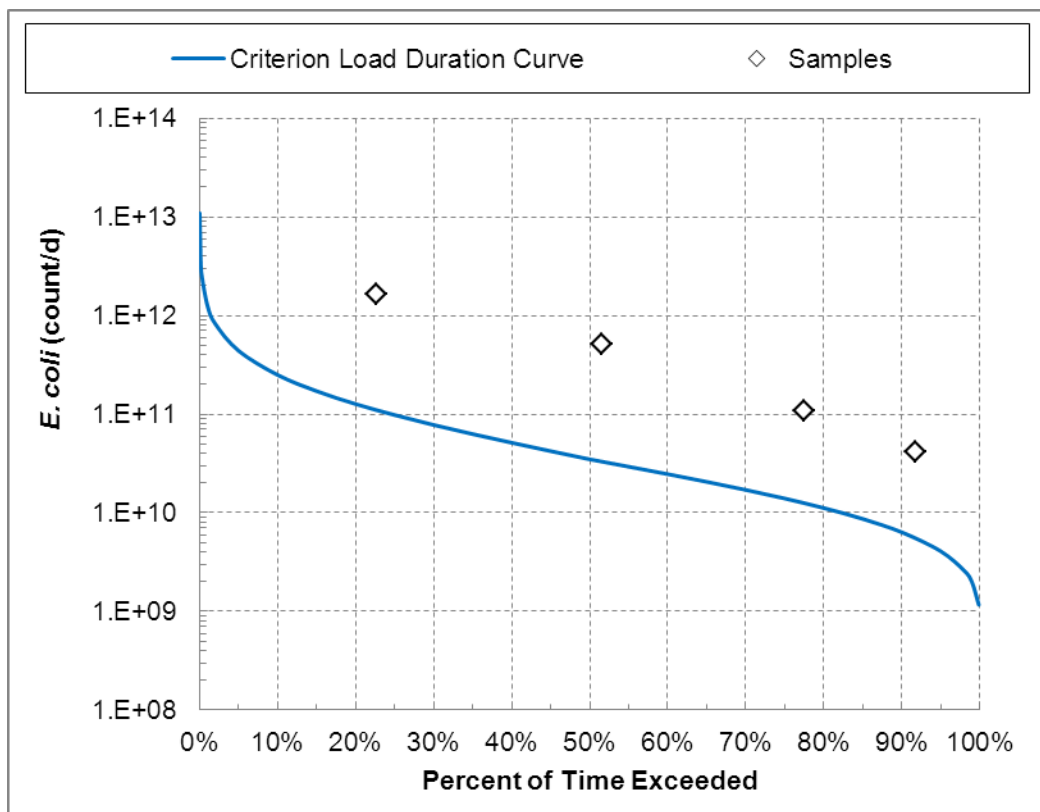


Figure C-29. *E. coli* LDC analysis for Crane Creek at Martin-Williston Road (G03S21, RM 8.83).'

Table C-20. Necessary *E. coli* reductions for Crane Creek at Martin-Williston Road (G03S21, RM 8.83)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	78%	91.8%
Loading capacity (counts/d)	--	1.09E+11	3.31E+10	1.19E+10	4.88E+09
Observed load (counts/d)	--	1.64E+12	5.14E+11	1.09E+11	4.12E+10
Reduction	--	93%	94%	89%	88%

The design flows of Perrysburg Estates MHP (Ohio EPA ID 2PY00014; 0.0624 mgd) and Village Green MHP (Ohio EPA ID 2PY00008; 0.045 mgd) were included in the LDC and calculated loads.

### 2.3. Cedar Creek and Frontal Lake Erie (HUC 04100010 07 03)

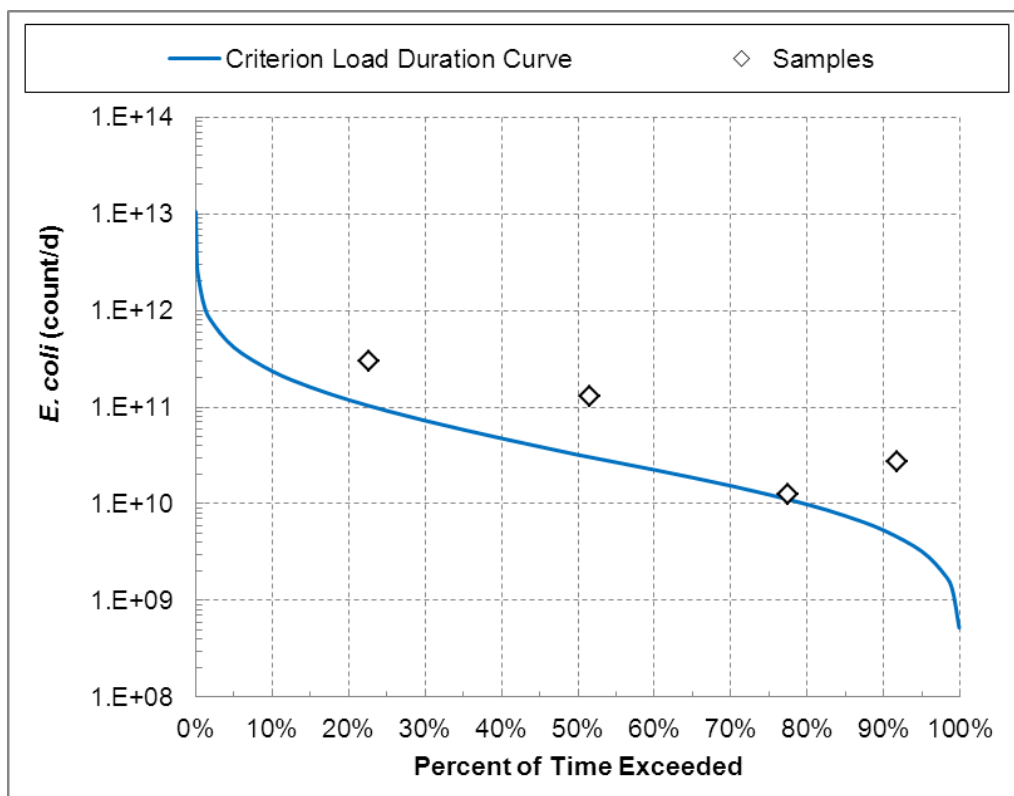


Figure C-30. *E. coli* TMDL and LDC analysis for Cedar Creek at Yondota Road (S03S55, RM 4.27).

Table C-21. Necessary *E. coli* reductions for Cedar Creek at Yondota Road (S03S55, RM 4.27)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	78%	91.8%
Loading capacity (counts/d)	--	1.03E+11	3.05E+10	1.11E+10	4.57E+09
Observed load (counts/d)	--	3.02E+11	1.31E+11	1.23E+10	2.75E+10
Reduction	--	66%	77%	10%	83%

The design flows of Crazy Lady Inn (Ohio EPA ID 2PR00263; 0.005 mgd) and Five Point MHP (Ohio EPA ID 2PY00073; 0.0066 mgd) were included in the LDC and calculated loads.

**2.4. Berger Ditch (HUC 04100010 07 05)**

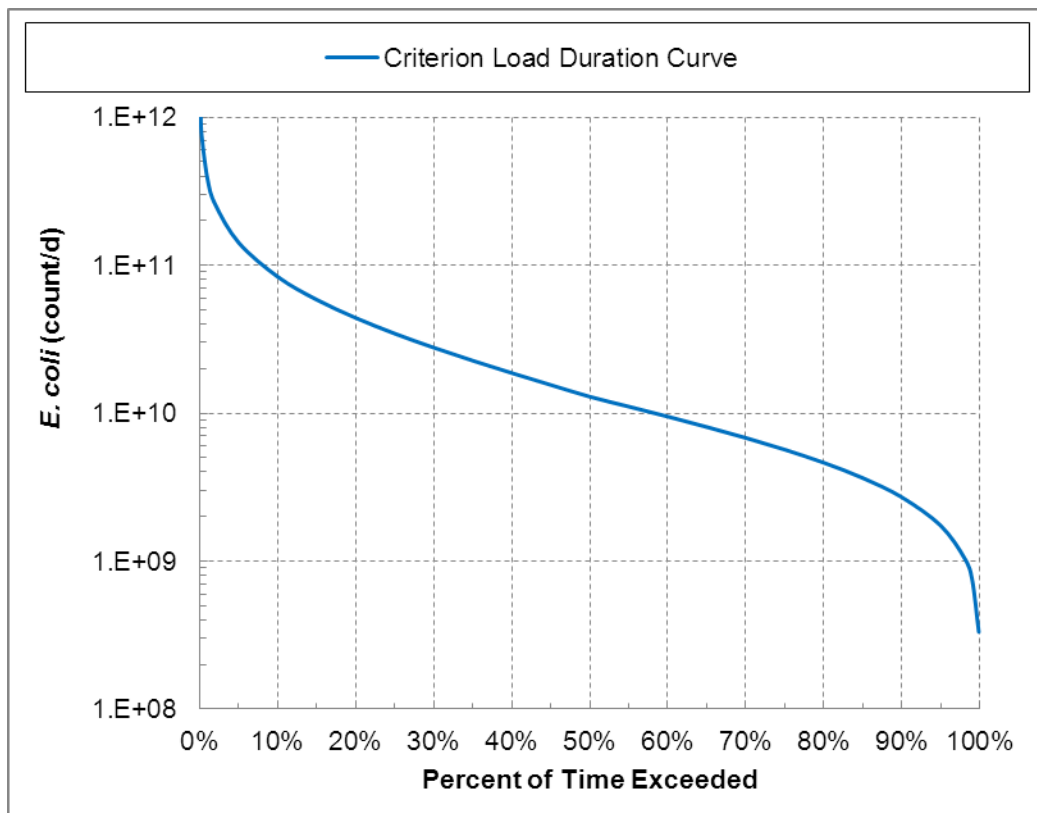


Figure C-31. *E. coli* TMDL for Berger Ditch upstream of Cedar Point Road (RM 0.75).

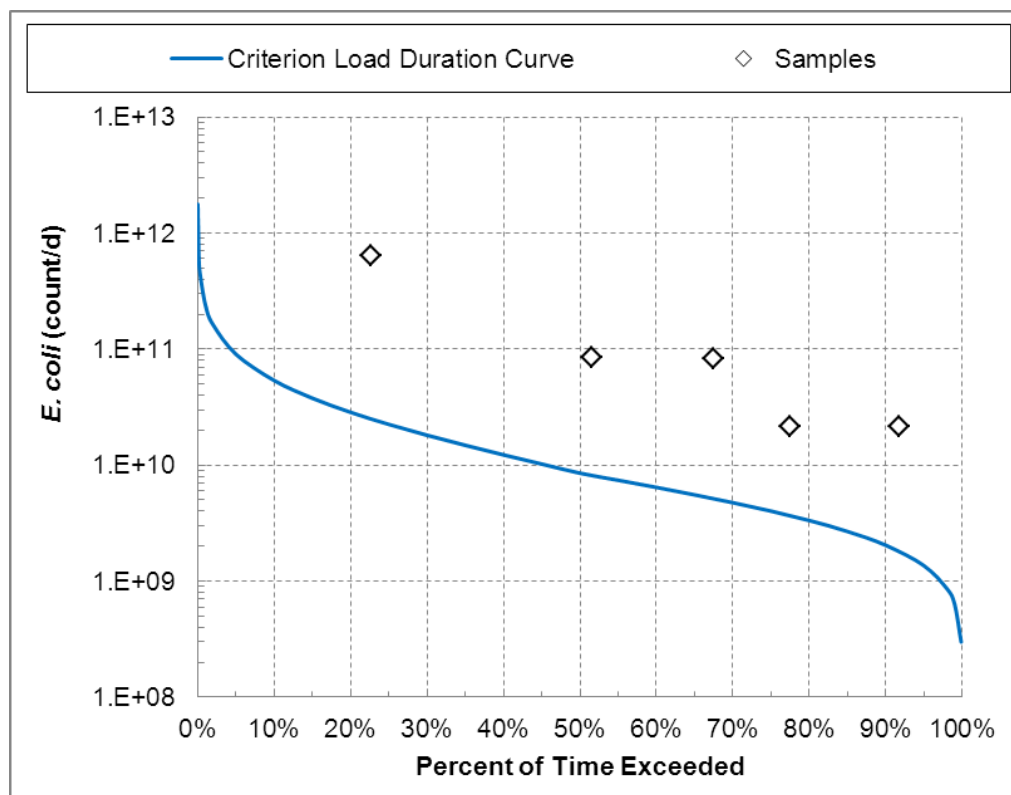


Figure C-32. *E. coli* LDC analysis for Wolf Creek at Stadium Road (201111, RM 2.70).

Table C-22. Necessary *E. coli* reductions for Wolf Creek at Stadium Road (201111, RM 2.70)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	78%	91.8%
Loading capacity (counts/d)	--	$2.50E+10$	$8.19E+09$	$3.67E+09$	$1.80E+09$
Observed load (counts/d)	--	$6.35E+11$	$8.45E+10$	$2.13E+10$	$2.15E+10$
Reduction	--	<b>96%</b>	<b>90%</b>	<b>83%</b>	<b>92%</b>

## 2.5. Otter Creek and Frontal Lake Erie (HUC 04100010 07 06)

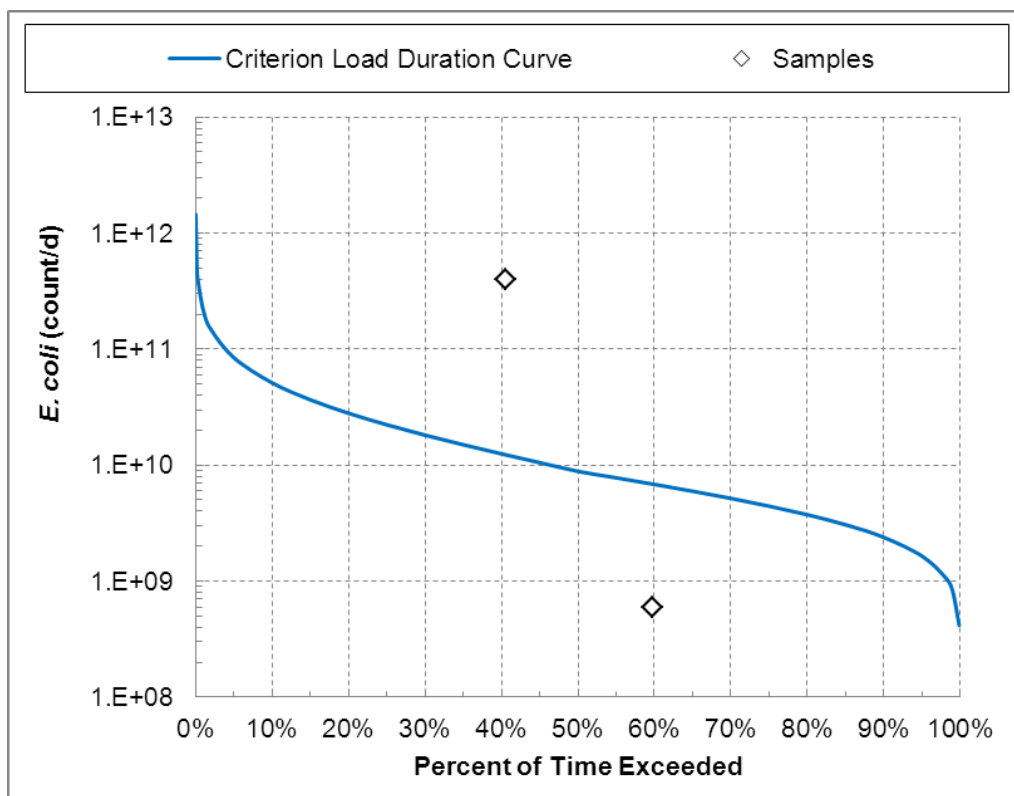


Figure C-33. *E. coli* TMDL and LDC analysis for Otter Creek adjacent to CSX Road (S03S25, RM 0.40).

Table C-23. Necessary *E. coli* reductions for Otter Creek adjacent to CSX Road (S03S25, RM 0.40)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	--	40.5%	--	--
Loading capacity (counts/d)	--	--	1.23E+10	--	--
Observed load (counts/d)	--	--	4.00E+11	--	--
Reduction	--	--	97%	--	--

The design flow of Buckeye Pipeline Company LP (Ohio EPA ID 2II00019; 0.0015 mgd) was included in the LDC and calculated loads.

## 2.6. Grassy Creek Diversion (HUC 04100009 09 01)

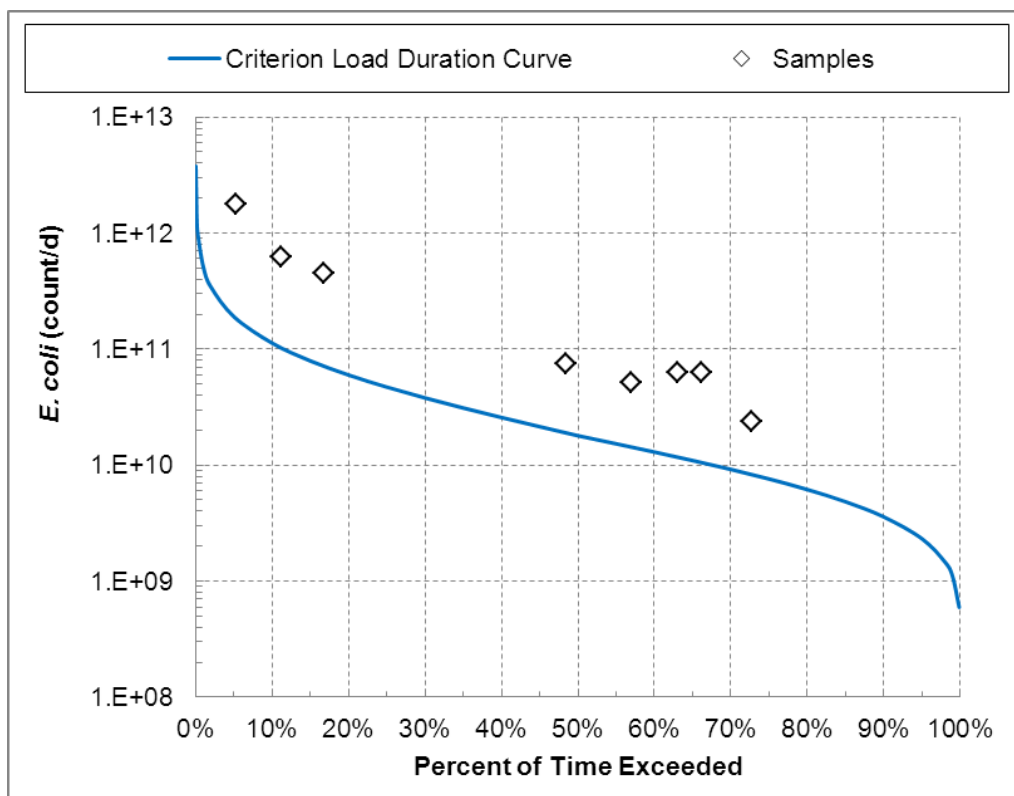


Figure C-34. *E. coli* TMDL and LDC analysis for Grassy Creek Diversion at Grand Rapids Road (P11K19, RM 0.28).

Table C-24. Necessary *E. coli* reductions for Grassy Creek Diversion at Grand Rapids Road (P11K19, RM 0.28)

Flow Duration Interval	High 5.2%	Moist 11.1%	Mid-range 56.9%	Dry 63%	Low --
Loading capacity (counts/d)	1.85E+11	1.03E+11	1.44E+10	1.17E+10	--
Observed load (counts/d)	1.76E+12	6.23E+11	5.13E+10	6.34E+10	--
Reduction	90%	83%	72%	81%	--

The design flows of Country Manor Estates (Ohio EPA ID 2PG00096; 0.02 mgd) and Maurers MHP (Ohio EPA ID 2PY00005; 0.03 mgd) were included in the LDC and calculated loads.

## 2.7. Grassy Creek (HUC 04100009 09 02)

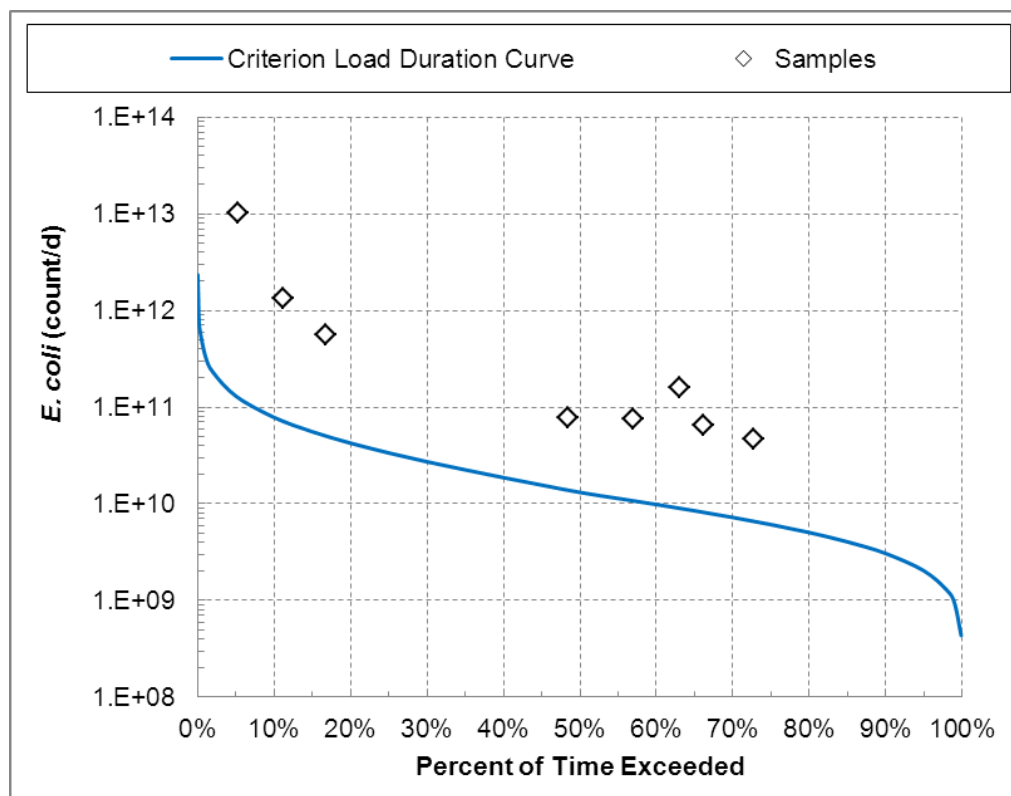


Figure C-35. *E. coli* TMDL and LDC analysis for Grassy Creek at Glenwood Road (P11K18, RM 0.98).

Table C-25. Necessary *E. coli* reductions for Grassy Creek at Glenwood Road (P11K18, RM 0.98)

Flow Duration Interval	High 5.2%	Moist 11.1%	Mid-range 56.9%	Dry 63%	Low --
Loading capacity (counts/d)	1.26E+11	7.20E+10	1.08E+10	9.01E+09	--
Observed load (counts/d)	1.00E+13	1.31E+12	7.53E+10	1.57E+11	--
Reduction	99%	95%	86%	94%	--



## 2.8. Delaware Creek – Maumee River (HUC 04100009 09 04)

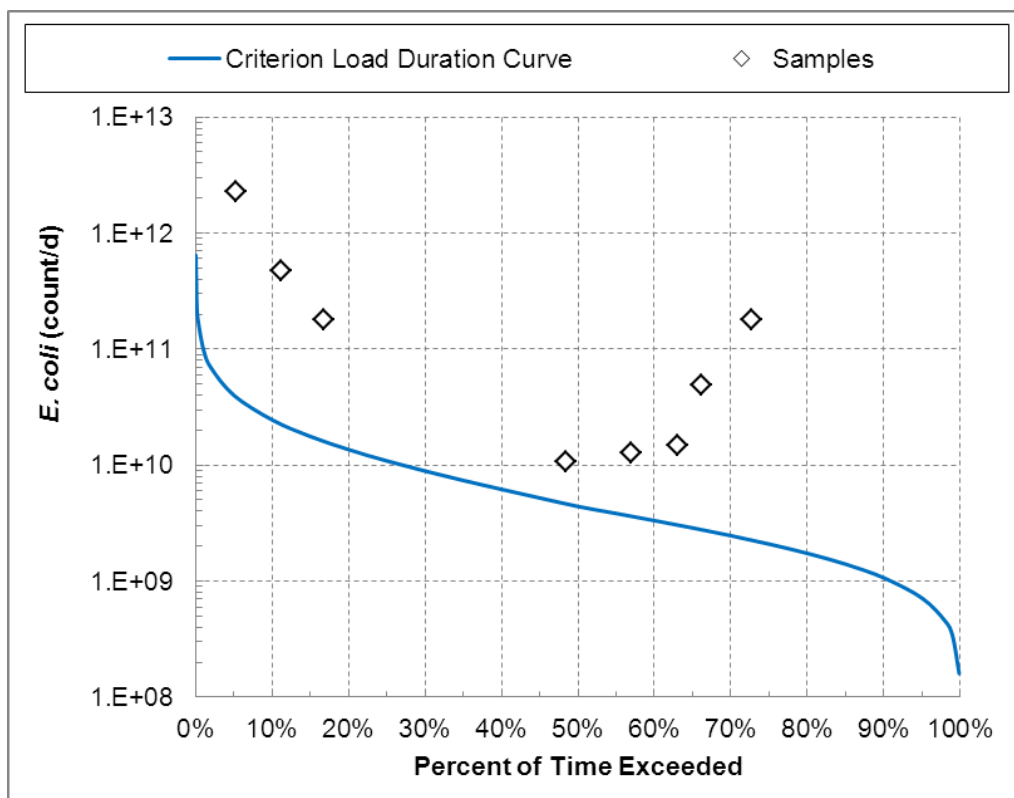


Figure C-36. *E. coli* TMDL and LDC analysis at Delaware Creek at Rohr Drive (P11A07, RM 0.38).

Table C-26. Necessary *E. coli* reductions for Delaware Creek at Rohr Drive (P11A07, RM 0.38)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	5.2%	11.1%	56.9%	63%	--
Loading capacity (counts/d)	3.89E+10	2.26E+10	3.64E+09	2.25E+09	--
Observed load (counts/d)	2.29E+12	4.67E+11	1.27E+10	1.79E+11	--
Reduction	98%	95%	71%	99%	--

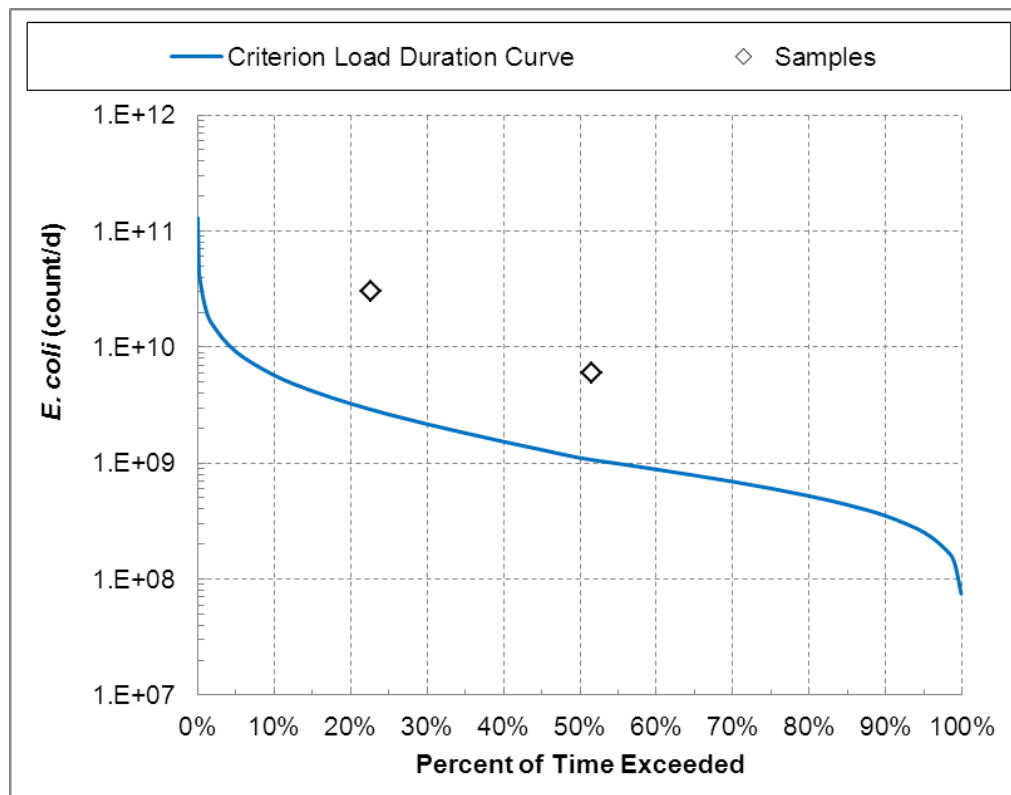


Figure C-37. *E. coli* TMDL and LDC analysis at Duck Creek at York Street (P11S56, RM 2.52).

Table C-27. Necessary *E. coli* reductions for Duck Creek at York Street (P11S56, RM 2.52)

	High	Moist	Mid-range	Dry	Low
Flow Duration Interval	--	22.7%	51.5%	--	--
Loading capacity (counts/d)	--	2.89E+09	1.07E+09	--	--
Observed load (counts/d)	--	2.99E+10	5.96E+09	--	--
Reduction	--	90%	82%	--	--