

**CITY OF LANCASTER, OHIO  
UPPER HOCKING RIVER  
WATER QUALITY MONITORING AND QUAL2K MODELING**

**Appendix D  
Flow Measurement Data**

1. Table D.1 – Upper Hocking and Tributaries Tabular Flow Measurements

**Table D.1  
Upper Hocking and Tributaries Tabular Flow Measurements**

**Q1 - Site 1**

Date	Discharge (cfs)	Stage (in)	
8/22/2005	1.406	15.25	Old cross section
8/25/2005	1.27	15.625	
9/7/2005	1.887	15.375	
9/9/2005	1.951	15.25	
9/12/2005	1.78	15.6875	
9/15/2005	1.607	15.48	
9/16/2005	1.995	15.25	
Average Flow	1.844		

**Q2 - Lateral D**

Date	Discharge (cfs)	Stage (in)
8/18/2005	0.421	
8/25/2005	0.484	4
8/30/2005	1.066	5
9/7/2005	0.625	4.25
Average Flow	0.510	

**Q3 - Canal**

Date	Discharge (cfs)	Stage (in)
8/18/2005	1.004	5.28
8/26/2005	1.586	5.5
9/6/2005	1.784	6.25
Average Flow	1.458	

**Q4 - Site 3**

Date	Discharge (cfs)	Stage (in)
8/18/2005	3.629	8.04
8/26/2005	3.657	8
9/6/2005	4.161	8.25
9/9/2005	3.739	8
Average Flow	3.797	

**Q5 - Lateral C**

Date	Discharge (cfs)	Stage (in)
8/18/2005	0.208	12.75
8/29/2005	0.193	13.5
9/7/2005	0.156	14.5
Average Flow	0.186	

**Q6 - Lateral B**

Date	Discharge (cfs)	Stage (in)
8/22/2005	0.22	4.25
8/30/2005	0.38	4.5
9/8/2005	0.237	4.125
Average Flow	0.279	

**Q7 - Lateral A**

Date	Discharge (cfs)	Stage (in)
8/23/2005	0.257	3.25
8/29/2005	0.346	2.875
9/8/2005	0.399	3
Average Flow	0.334	

**Q8 - Site 6**

Date	Discharge (cfs)	Stage (in)
8/19/2005	5.514	13.44
8/26/2005	3.669	12.5
9/7/2005	5.4	13.5
9/9/2005	4.793	13.25
Average Flow	5.236	

**Q9 - Site 7**

Date	Discharge (cfs)	Stage (in)
8/19/2005	9.225	8.5
8/29/2005	9.835	9
9/7/2005	6.524	8
9/12/2005	5.19	7.75
Average Flow	5.857	

**Q10 - Hunters Run**

Date	Discharge (cfs)	Stage (in)
8/23/2005	0.322	3.5
8/29/2005	1.065	4.875
9/7/2005	0.937	3.75
Average Flow	1.001	

**Q11 - Tarhe Run**

Date	Discharge (cfs)	Stage (in)
8/19/2005	1.723	3.5
8/29/2005	1.964	3.5
9/8/2005	1.599	
Average Flow	1.762	

**Q12 - Site 8**

Date	Discharge (cfs)	Stage (in)
8/19/2005	11.541	20.5
8/26/2005	6.358	19.75
9/8/2005	8.971	19.75
9/12/2005	7.45	20.4375
Average Flow	7.593	