

2010 Study Plan for the Southeast Ohio River Tributaries (Jackson, Lawrence, and Scioto counties, OH)



Figure 1. Study area for the Southeast Ohio River Tributaries, 2010.

State of Ohio Environmental Protection Agency
Division of Surface Water
Lazarus Government Center
122 South Front St., Columbus, OH 43215
Mail to:
P.O. Box 1049, Columbus, OH 43216-1049
&
Monitoring and Assessment Section
4675 Homer Ohio Lane
Groveport, OH 43125
&
Surface Water Section
Southeast District Office
2195 Front Street,
Logan, Ohio 43138

Introduction

As part of the five-year basin approach for NPDES permitting and the TMDL process, an intensive ambient assessment will be conducted during the 2010 field sampling season within the Southeast Ohio River Tributaries. The study area will include all tributaries having a drainage area approximately 8.0 miles² or greater (Fig. 1). A total of 53 sampling stations will be completed in the Southeast Ohio River tributary study area. Ambient biology, macrohabitat quality, and water column chemistry will be collected from each site, which will be sampled for water column chemistry, Datasonde®, or WWTP effluent chemistry only. Fish tissue samples will be collected at 12 sites (Table 3).

A geometric site selection methodology was employed to derive the initial station list. This method has proved efficient in generating an objective and comprehensive collection of potential sampling sites where an assessment of an entire catchment is desired. However, a negative and unavoidable consequence of the geometric selection method includes substantial data gaps in lower or larger stream segments. It was therefore necessary to directly target these higher order segments (or tributaries) to ensure an even distribution of sampling effort. Lastly, many of the areas that have been previously sampled and evaluated by the Ohio EPA will be revisited for the purposes of trends assessment. A list of field sampling stations can be found in Table 2.

Sampling Objectives

- 1** Systematically sample and assess the principal drainage networks of the Southeast Ohio River tributaries in support of the TMDL process,
- 2** Gather ambient environmental information (biological, chemical, and physical) from designated water bodies, to assess current beneficial uses (e.g., aquatic life, recreational, water supply), Table 2,
- 3** Collect fish tissue samples at selected stations as listed in Table 3,

- 4 Verify the appropriateness of existing, unverified, beneficial use designations,
- 5 Establish baseline ambient biological conditions at selected reference stations to evaluate the effectiveness of future pollution abatement efforts, and
- 6 Document any changes in biological, chemical, and physical conditions of the study areas where historical information exists, thus expanding the Ohio EPA data base for statewide trends analysis (e.g., 305[b]).

Total Maximum Daily Load (TMDL)

Information collected as part of this survey will support TMDL development for this study area. The objectives of the TMDL process are to estimate pollutant loads from the various sources within the basin, define or characterize allowable loads to support the various beneficial uses, and to allocate pollutant loads among different pollutant sources through appropriate controls (e.g., NPDES permitting, storm water management, 319 proposals, NPS controls or other abatement strategies).

The components of the TMDL process supported by this survey are primarily the identification of impaired waters, verification (and redesignating if necessary) of beneficial use designations, and sources of use impairment. These data are necessary precursors to the development of effective control or abatement strategies.

Aquatic Life Use Designations

Many of the streams contained within the study area are designated WWH (Warm Water Habitat). For some of the streams, this will be the first time that they will be sampled and assessed. The Ohio EPA is obligated to review, evaluate, or recommend (where appropriate) beneficial uses prior to basing any permitting actions on existing, unverified designations, or entirely unclassified

water bodies. Much of the sampling effort for this survey is allocated to fulfill this obligation.

Study Planning Team: Assigned DSW Staff

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Jon Bernstein (Ag. PTI)	614-728-2397 (Desk), 614-581-0133 (Field)+

*Please contact Ben Rich for any updates to this study plan

Sheriff's Offices by County:

Jackson County (870)523-5842
Lawrence County (740)532-3525
Scioto County (740)354-7566

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Table 1. Facilities regulated by the National Pollutant Discharge elimination system which discharge to Southeast Ohio River tributaries.

OEPA permit number	Facility name	Number of outfalls	Discharge type	Major discharger	Permit version	County	Latitude	Longitude	USEPA permit number
OIN00229	BP Amoco Corp Ironton Bulk Plant	1	Industrial	No	CD	Lawrence	38.512780	-82.658330	OH0124605
OIG00002	BP Products NA Sciotoville Terminal	2	Industrial	No	FD	Scioto	38.756970	-82.892200	OH0050962
OIN00259	Buckeye Ethanol LLC	2	Industrial	No	AD	Lawrence	38.436056	-82.599754	OH0135305
OIN00192	Coal Grove WTP	2	Industrial	No	CD	Lawrence	38.498860	-82.655560	OH0104558
OPB00060	Coal Grove WWTP	1	Municipal	No	GD	Lawrence	38.499050	-82.657530	OH0029432
OPT00041	Deering Elementary WWTP	1	Municipal	No	BD	Lawrence	38.503420	-82.580660	OH0120545
OIB00032	Duke Energy Ohio Inc Hanging Rock Facility	3	Industrial	Yes	DD	Lawrence	38.562680	-82.790650	OH0127931
OIN00116	Hanging Rock Landfill Co Inc	3	Industrial	No	ED	Lawrence	38.565270	-82.691700	OH0091090
OPW00021	Haverhill Apts	1	Municipal	No	BD	Scioto	38.583830	-82.834640	OH0125059
OIF00014	Honeywell International Inc	1	Industrial	No	LD	Lawrence	38.503630	-82.661790	OH0007544
OIL00087	Iron Bulk Terminals Inc.	1	Industrial	No	DD	Lawrence	38.500260	-82.657810	OH0076619
OIB00033	Ironton Energy Center LLC	1	Industrial	Yes	BD	Lawrence	38.560749	-82.770431	OH0127981
OPN00028	Ironton Ranger Dist Office	1	Municipal	No	AD	Lawrence	38.608300	-82.648610	OH0108049
OIV00050	Ironton WTP	1	Industrial	No	FD	Lawrence	38.531680	-82.686020	OH0008516
OPD00007	Ironton WWTP	1	Municipal	Yes	JD	Lawrence	38.540690	-82.688660	OH0025852
OIL00044	Keystone Terminals - Ohio River Dock	1	Industrial	No	FD	Lawrence	38.511270	-82.670060	OH0059897
OIN00182	KSA Cross-Tie Plant	1	Industrial	No	CD	Scioto	38.767810	-82.880720	OH0104248
OIN00088	LED Corp DBA The Point	7	Industrial	No	HD	Lawrence	38.435940	-82.590480	OH0076392
OIL00024	McGinnis Inc	2	Industrial	No	ED	Lawrence	38.496060	-82.655390	OH0060097
OPT00056	Minford HS WWTP	1	Municipal	No	BD	Scioto	38.856140	-82.857070	OH0127850
OPW00014	Minford Village Apartments	1	Municipal	No	CD	Scioto	38.855910	-82.859990	OH0104426
OID00016	MMK Americas	2	Industrial	No	AD	Scioto	38.606363	-82.851328	OH0139726
OPD00011	New Boston STP	no outfalls	Municipal	No	GD	Scioto	38.748920	-82.928610	OH0020613
OIL00010	Norfolk and Western Railway Co Wheelersburg	2	Industrial	No	ED	Scioto	38.697450	-82.873490	OH0075868
OIT00000	Norfolk Southern Railway Co - Portsmouth Yard	1	Industrial	No	GD	Scioto	38.737086	-82.956271	OH0005266
OPD00013	Portsmouth Lawson Run WWTP	1	Municipal	Yes	LD	Scioto	38.730520	-82.974220	OH0027197
OPG00059	Portsmouth Regional Airport WWTP	1	Municipal	No	DD	Scioto	38.838490	-82.849950	OH0104370
OIV00072	Portsmouth WTP	1	Industrial	No	ED	Scioto	38.752190	-82.917040	OH0008621
OPG00051	Purtee Acres WWTP	1	Municipal	No	FD	Scioto	38.764470	-82.789540	OH0050865

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OEPA permit number	Facility name	Number of outfalls	Discharge type	Major discharger	Permit version	County	Latitude	Longitude	USEPA permit number
OPT00055	Rockhill Elem Jr & Sr HS WWTP	1	Municipal	No	BD	Lawrence	38.614150	-82.655830	OH0127761
OPC00018	Sciotoville WWTP	1	Municipal	No	ED	Scioto	38.755760	-82.888150	OH0027201
OIB00035	South Point Biomass Generation	2	Industrial	No	AD	Lawrence	38.433030	-82.598580	OH0134813
OPD00025	South Point WWTP	1	Municipal	Yes	FD	Lawrence	38.424270	-82.594120	OH0021814
OPA00085	South Webster Village	1	Municipal	No	CD	Scioto	38.821600	-82.740530	OH0041416
OIF00009	Sunoco Chemical Inc	1	Industrial	Yes	MD	Scioto	38.586490	-82.838620	OH0007391
OPG00050	Tanglewood Subdiv WWTP	1	Municipal	No	FD	Scioto	38.804300	-82.807150	OH0041441
OIF00004	The Dow Chemical Co	1	Industrial	Yes	GD	Lawrence	38.564820	-82.789630	OH0099309
OPT00040	Vernon Elementary School	1	Municipal	No	CD	Scioto	38.741620	-82.737710	OH0120537
OPH00010	West Portsmouth WWTP	1	Municipal	No	FD	Scioto	38.749700	-83.034260	OH0076309
OPK00001	Wheelersburg WWTP SD No 2	1	Municipal	Yes	FD	Scioto	38.718670	-82.865440	OH0050016
GENERAL PERMITS									
OGS00037	NECCO Center		Small Sanitary	No	AG	Lawrence	38.5980530	-82.6184910	OGS00037
OGM00185	Waterloo Coal Co - Dark Hollow Mine		Coal Surface Mine	No	BG	Jackson	38.9100000	-82.6783333	OGM00185
OGM00468	Bear Creek Coal - Staley Mine		Coal Surface Mine	No	BG	Jackson	38.8766667	-82.7330556	OGM00468
OGH00015	Columbia Gas Transmission Corp Line R-501		Hydrostatic Test Water	No	AG	Lawrence	38.4483333	-82.5652778	OHGH00061

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Table 2. Stream sampling sites for SEORT (Southeast Ohio River tributaries), 2010.

Storet	River Code	Location	RM	DA mi ²	Latitude	Longitude	Fish	Bugs	Chem	Ba-T	Sond	Sent	HUC_12
301136	09-096-000	Chanldlers Run - Big Pete Road	1.30	0.99	38.647832	-82.834825	X	X	X				050901030507
300959	09-002-000	Patton Run Burkes Lane	2.35	1.34	38.673735	-82.856317	X	X	X	X			050901030107
W01S22	09-421-000	Negro Creek at mouth adj. TR 166 Negro Creek Rd	0.20	1.7	38.744625	-82.628688	X	X	X				050901030202
301132	09-420-000	OLIVE CREEK @ Buckhorn-Pine Creek Rd CR34	0.11	2.3	38.75498	-82.64381	X	X	X				050901030202
W01S24	09-425-000	SAWMILL RUN S OF BUCKHORN @ MOUTH adj SR93 just south CR14	0.10	3.0	38.71680	-82.63300	X	X	X				050901030202
201512	09-001-000	MUNN RUN AT EDEN PARK @ HINKLEY HOLLOW RD.	2.20	3.0	38.77510	-82.94180	X	X	X	X			050901030606
W01S23	09-422-000	PAINTER CREEK SE OF BUCKHORN, @ PAINTER CREEK RD.	0.03	3.4	38.73620	-82.62570	X	X	X				050901030202
301134	09-419-000	BRUSHY FORK (trib to Pine Creek) @ Buckhorn-Pine Creek Rd CR 34	0.13	4.1	38.75570	-82.64551	X	X	X				050901030202
W01S21	09-424-000	KIMBLE CREEK UPST AMD LEACHATE, Kimble Cr Rd TR258 sign	0.89	4.2	38.75850	-82.62680	X	X	X				050901030202
W01K18	09-424-000	KIMBLE CREEK DST. AMD DISCHARGE, SR 93 south of TR258	0.60	4.3	38.75480	-82.63050	X	X	X				050901030202
301124	09-307-000	Skull Creek @ mouth - Frederick Rd bridge	0.05	4.59	38.814964	-82.779298	X	X	X	X			050901030604
300956	09-008-000	Little Storms Cr (Lower Trib at RM 1.8)	0.40	5.4	38.55033	-82.67385	X	X	X		X		050901030104
300952	09-019-000	SOLIDA CREEK (AKA SALLIDAY CREEK) @ Solida Road	3.52	6.5	38.42301	-82.57490	X	X	X	X			050901030101
301129	09-331-000	BUCKLICK CREEK @ Comer Schoolhouse Rd/Charles Russ Road TR505	0.80	6.7	38.90171	-82.75178	X	X	X				050901030503
301131	09-416-000	BRADY RUN @ at Brady Creek Road TR289	0.90	7.1	38.81013	-82.66211	X	X	X				050901030201
W01S17	09-400-000	PINE CREEK @ ST. RT. 93 just north TR207	45.68	8.0	38.73450	-82.62880	X	X	X		X		050901030202
W01K01	09-007-001	L. STORMS CREEK (UPPER trib at RM 9.23) UPST. GRAVEL LANE NEAR MOUTH	0.10	8.6	38.59230	-82.62300	X	X	X				050901030104
300958	09-003-000	GINAT RUN ADJ, Back Rd	2.80	8.6	38.62495	-82.82483	X	X	X	X			050901030106
301085	09-300-000	L. SCIOTO R. @ Allen Rd	35.28	9.3	38.98964	-82.78608	X	X	X	X	X		050901030501
301127	09-342-000	BRUSHY FORK @ GLADE RD	0.38	9.8	38.98636	-82.77835	X	X	X				050901030501
W01K15	09-401-000	LICK RUN NEAR GARDEN CITY @ ST. RT. 522	0.9	10.3	38.70370	-82.83660	X	X	X				050901030205
301135	09-013-000	Little Ice Creek Adj TR 102 Little Ice Creek Rd	0.60	11.1	38.51129	-82.62556	X	X	X				050901030203
300954	09-007-000	STORMS CREEK, ACCESS RD DST. LAKE VESUVIUS	10.10	11.2	38.60174	-82.63078	X	X	X		X		050901030104
301062	09-310-000	ROCKY FORK L.SCIOTO R @ FALLEN TIMBER RD	14.15	11.2	38.94814	-82.89290	X	X	X				050901030601
301133	09-423-000	ELLISONVILLE CREEK @ CR25 White Oak Road	0.20	11.3	38.63495	-82.68179	X	X	X		X		050901030203
300953	09-011-000	ICE CREEK @ CR 6, Deering Bald Knob Rd	10.30	12.5	38.52907	-82.55612	X	X	X				050901030103

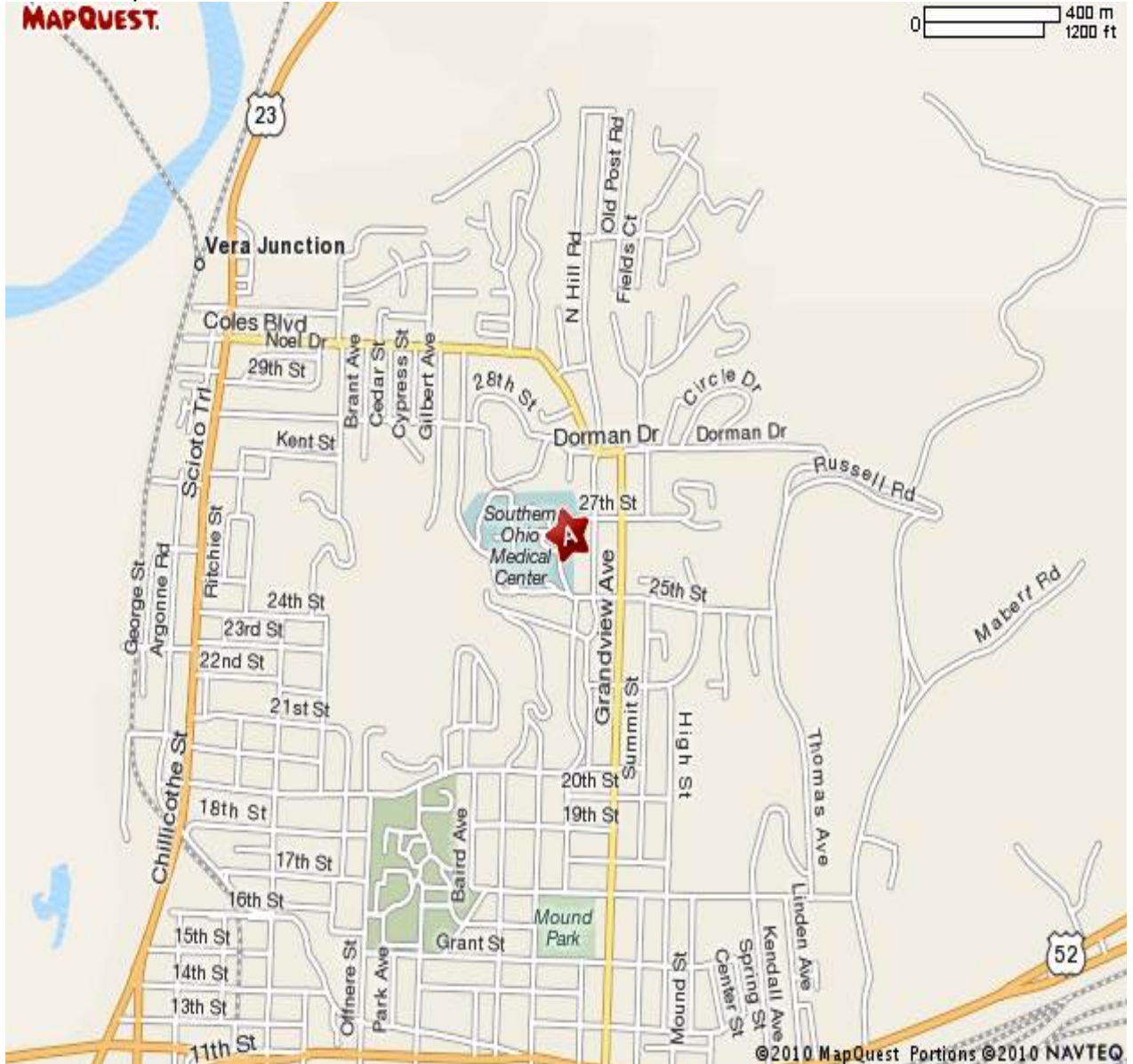
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301086	09-329-000	SUGARCAMP CREEK Millstone Rd.	0.10	14.0	38.91998	-82.78071	X	X	X	X	x	050901030502
301130	09-415-000	HALES CREEK upstr Brady Run Brady Run road	4.35	14.2	38.81094	-82.67511	X	X	X			050901030201
301089	09-306-000	FREDERICK CREEK Adj Frederick Cr. Rd CR 17	1.40	15.9	38.81460	-82.78828	X	X	X	X	x	050901030604
301088	09-311-000	LONG RUN @ BENNETT RD (CR12)	0.95	17.1	38.84979	-82.84667	X	X	X	X		050901030602
W02K02	09-011-000	ICE CREEK SW OF KITTS HILL @ LANE OFF CO. RD. 52	6.10	19.2	38.52700	-82.61210	X	X	X	X	X	050901030103
301087	09-310-000	ROCKY FORK L.SCIOTO R @ BLUE RUN RD	10.20	20.4	38.90022	-82.88910	X	X	X	X		050901030601
300955	09-007-000	Storms Creek @ SR 93	6.80	22.8	38.57791	-82.63753	X	X	X	X		050901030104
W01K05	09-300-000	L. SCIOTO R. UPST. MCDOWELL CREEK @ Johnson Road Covered Bridge	31.50	24.5	38.95870	-82.78770	X	X	X		X	050901030504
301128	09-330-000	HOLLAND FORK DST. RT 139	2.80	25.1	38.88493	-82.74222	X	X	X			050901030503
W01P02	09-007-000	Storms Creek at Porter Gap Road	3.30	28.9	38.54789	-82.65931	X	X	X		X	050901030104
300826	09-408-000	LITTLE PINE CREEK @ SR 650	0.75	29.2	38.63040	-82.73154	X	X	X	X	X	050901030203
W01K13	09-400-000	PINE CREEK DST. YOUNGS BRANCH, ADJ. PINE CREEK RD.	41.30	29.6	38.75680	-82.67680	X	X	X	X	X	050901030202
301084	09-415-000	HALES CREEK @ Lick Run - Lyra Bloom Rd CR2 near Great Meadow Rd CR51	1.00	31.8	38.78239	-82.70381	X	X	X	X	X	050901030201
301090	09-330-000	HOLLAND FORK DST. RT 139	0.15	34.6	38.89428	-82.77211				X	X	050901030503
W02K01	09-011-000	ICE CREEK N OF COAL GROVE, ADJ. CO. RD. 181 (historical bio)	2.30	37.0	38.51950	-82.63680	X	X	X		X	050901030103
W01K04	09-300-000	L. SCIOTO R. UPST. SUGARCAMP CREEK @ MILLSTONE RD. FORD	27.20	43.0	38.92400	-82.79300	X	X	X		X	050901030504
W01K06	09-310-000	ROCKY FORK L. SCIOTO R. @ ST. RT. 139	6.44	45.9	38.86680	-82.85350	X	X	X		X	050901030603
W01S06	09-310-000	ROCKY FORK L. SCIOTO R. NEAR MOUTH @ GLADES RUN RD.	0.60	68.8	38.85760	-82.79630	X	X	X	X	X	050901030603
W01K12	09-400-000	PINE CREEK @ Haven Rd (SALTERS CREEK RD.)	36.40	69.0	38.75930	-82.72660	X	X	X	X	X	050901030204
W01K11	09-400-000	PINE CREEK AT SUPERIOR @ ST. RT. 522 just south Clinton Furnace Rd TR257	25.90	95.0	38.67630	-82.70600	X	X	X		X	050901030204
W01S01	09-400-000	PINE CREEK SE OF POWELLSVILLE @ KELLYS MILL RD. CR43	20.40	104.0	38.63790	-82.74076	X	X	X	X	X	050901030204
W01K03	09-300-000	L. SCIOTO R UPST. ROCKY FORK @ STOCKHAM RD.	18.80	108.0	38.85370	-82.78860	X	X	X	X	X	050901030504
W01K09	09-400-000	PINE CREEK SW OF POWELLSVILLE @ POWELLSVILLE RD.	13.40	157.0	38.65340	-82.80240	X	X	X		X	050901030205
W01K08	09-400-000	PINE CREEK AT SAND HILL, UPST. MILL RD.	5.10	168.0	38.69760	-82.84680	X	X	X	X	X	050901030205
W01S02	09-300-000	L. SCIOTO R. AT WHEELERS MILL, DST. WHEELERS MILL RD.	12.70	200.0	38.82591	-82.84914	X	X	X		X	050901030605
300827	09-300-000	L. SCIOTO R. @ Dixon Mill Rd, CR 15	5.51	210.0	38.78357	-82.84960	X	X	X	X	X	050901030605

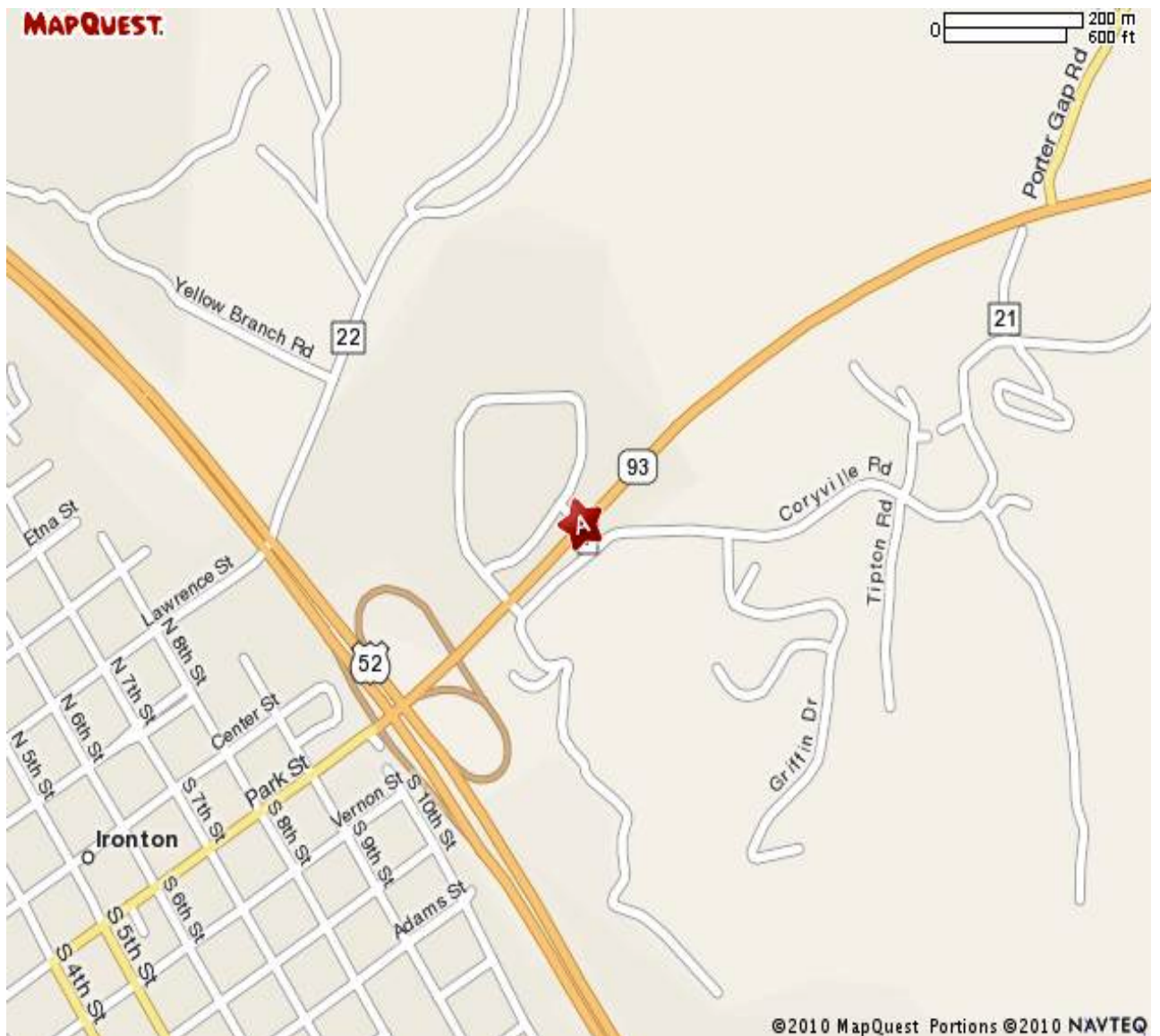
Table 3. Fish tissue sample locations for the Southeast Ohio River tributaries, 2010.

<u>Stream Name</u>	<u>River Mile</u>	<u>Landmark</u>
Pine Creek (09-400) – 5 sites		
	25.9	At Superior at St. Rt. 522
	22.2	Upst. St. Rt. 650
	13.4	Ust. Junior Furnace Rd.
	5.1	Ust. Mill Rd.
	1.5	At Hayport Rd.
Ice Creek (09-011) – 1 site		
	Never Sampled, 39 sq./mi. at the mouth – probably too small for fish tissue. I'll check it out near the mouth during TMDL sampling to see if it warrants fish tissue sampling.	
Little Scioto River (09-300) – 5 sites		
	31.4	At Johnson Rd. Covered Bridge
	24.9	Winter Rd.
	18.35	Adj. Kentucky Trail Rd.
	12.6	At Wheelers Mill Rd.
	0.5	Adj. Sciotoville, Upst. SR
52		
Rocky Fork Little Scioto River (09-310) – 1 site		
	0.6	Never been sampled. Glades Run Rd.

Local Hospitals:



Southern Ohio Medical Center
1805 27th St, Portsmouth, OH 45662 -
(740) 356-5000



Map of Ironton Primary Care
1015 E Ring Rd, Ironton, OH 45638 - (740)



MAPQUEST.

Search Results 1-10 for "Hotel" near
Portsmouth, OH

Notes

1 Ramada Inn - Portsmouth
711 2nd St
Portsmouth, OH
(740) 354-7711

2 Royal Inn
1600 Kendall Ave
Portsmouth, OH
(740) 353-4121

3 Four Keys Inn
2302 Scioto Trl
Portsmouth, OH
(740) 354-2844

4 Ameristay Inn & Suites
3762 Us Highway 23
Portsmouth, OH
(740) 354-2851

5 Days Inn
3762 US Hwy 23
Portsmouth, OH
(740) 354-2851

11 Paragon Inn
883 W Main St
Hillsboro, OH
(937) 383-4730

6 Super 8 Portsmouth
4266 Us Route 23 N
Portsmouth, OH
(740) 353-8880

7 Super 8
4266 US Highway 23
Portsmouth, OH
(740) 353-8880

8  Holiday Inn Express Portsmouth
5100 Old Scioto Trail
Portsmouth, OH
(740) 353-3232

9 Days Inn-Wheelersburg Portsmth
8402 Ohio River Rd
Wheelersburg, OH
(740) 574-8431

10 Riverview Bed & Breakfast
91 Riverview Dr
Franklin Furnace, OH
(740) 355-4004

12  Best Western Mt. Orab Inn
100 Leininger St
Mount Orab, OH
(800) 780-7234

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