

APPENDIX A

Review of Other Applicable Use Attainability Analyses

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Background

MEC Water Resources, Inc. (2005) performed a UAA for the Mississippi River within the St. Louis metropolitan area on behalf of the Metropolitan St. Louis Sewer District (MSD). This UAA asserted that hydrologic modifications (40 CFR 131.10(g) Factor 4) of the Mississippi River near St. Louis produce conditions that prevent attainment of whole body contact recreation (WBCR) uses (primary recreation). Historic hydrologic modifications prevent WBCR use attainment due to dangerous currents produced by channelization and extensive barge traffic supported by navigational controls. Additionally, substantial and widespread economic and social impact (Factor 6) was identified as a potential factor precluding WBCR use attainment; however, supporting data were not available at the time of the submittal. The UAA conclusions provided by MEC (2005) and approved by the Missouri Clean Water Commission in 2005 and adopted by state rule within 10 CSR 20-7.031.

The US Environmental Protection Agency and other stakeholders requested additional data collection and analysis to support the UAA conclusions provided by MEC (2005). As part of this effort, existing proposed or approved UAAs were reviewed to compare and contrast effort levels and approaches with the Mississippi River UAA. UAAs reviewed included the Chicago Area Waterways (CAWs), the Mobile River, Erie Harbor, the Los Angeles River, and the New York Harbor Complex. Specific approaches for determining the impacts of barge traffic, high velocities and other factors on attainability of recreational uses were evaluated.

CASE STUDY 1: Use Attainability Analysis for the Mobile River – Alabama Department of Environmental Management

In January 2001, the Alabama Department of Environmental Management (ADEM) proposed a use upgrade for the lower Mobile River (Figure A1) from Agricultural and Industrial Water Supply (A&I) to Limited Warmwater Fishery (LWF). Although ADEM proposed a use “upgrade”, the LWF designation is considered less than the “fishable/swimmable” goal as defined in Section 101(a)(2) of the Clean Water Act. Specifically, the LWF designation does not provide protection for primary contact recreation. Therefore, the U.S. Environmental Protection Agency (USEPA) required a use attainability analysis (UAA) in support of the proposed use upgrade.

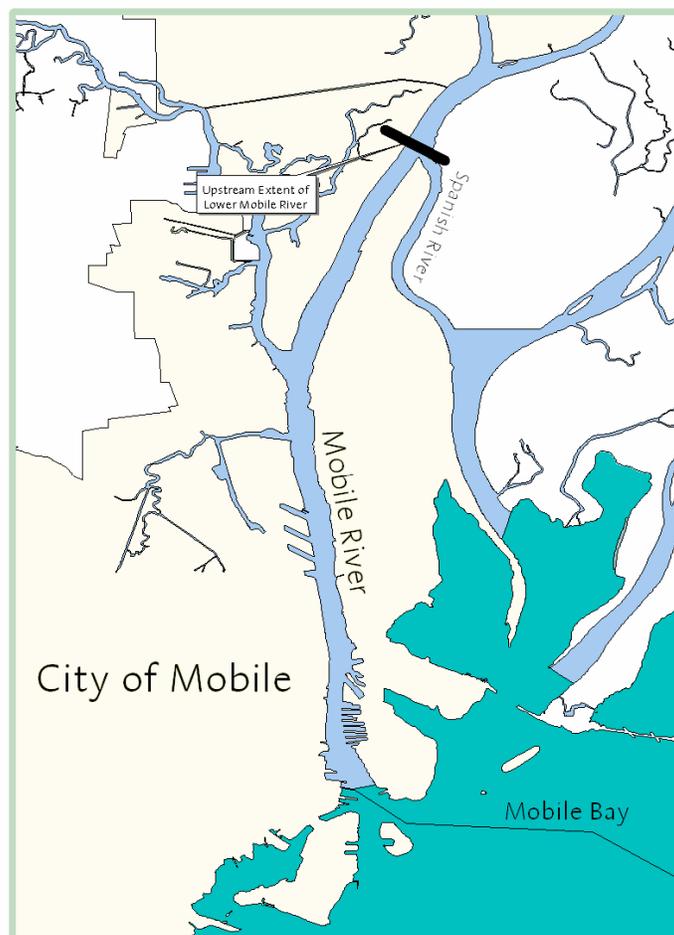


FIGURE A1. Lower Mobile River

The following rationale for precluding primary contact recreation as a designated use was presented in ADEM’s UAA:

One of the goals of the Clean Water Act is to restore and maintain the quality of the nation's waters to a degree that can be considered commensurate with a "fishable/swimmable" use, where attainable. While it is believed that physical characteristics do not preclude a "fishable" use for the lower Mobile River, this is not believed to be the case for the "swimmable" use. The area surrounding this segment of the river is highly industrialized and not compatible with whole body water contact recreation. Also, the consistent barge traffic as a result of industrial activity makes the waterbody unsafe for swimming.

USEPA approved the ADEM UAA stating: "In this instance, the physical consideration of proximity to shipping lanes, in combination with the industrialization of the area surrounding the segment and the subsequent lack of shoreside access provides sufficient rationale for the State's adoption of LWF" (USEPA 2001).

Key Facts

- USEPA considers ADEM's rationale sufficient for meeting Factor 3 of 40 Code of Federal Regulations (CRF) 131.10(g).
- ADEM's rationale for not designating the lower Mobile River for primary contact recreation includes unsafe conditions due to barge traffic, industrialization in the area, and subsequent lack of shoreside access.
- USEPA approved ADEM's UAA on March 15, 2001.

CASE STUDY 2: Chicago Area Waterways Use Attainability Analysis – Illinois Environmental Protection Agency

The Illinois Environmental Protection Agency (IEPA) initiated a UAA for the Chicago Area Waterway System (CAWS) with a kick-off meeting in September 2002. One aspect of the UAA was to determine whether recreational use designations of the Chicago and Calumet River Systems were appropriate. In particular, the IEPA wished to examine the Secondary Contact and Indigenous Aquatic Life portions of CAWS to evaluate whether use upgrades for primary contact recreation are attainable and whether downgrades for the General Use reaches are appropriate. A Stakeholder Advisory Committee (SAC) was formed to guide the UAA study. Participants of the SAC included representatives of the following:

- USEPA Region 5,
- U.S. Army Corps of Engineers-Chicago District,
- Illinois Department of Public Health,
- IEPA,
- Illinois International Port Authority,
- City of Chicago,
- environmental advocacy organizations,
- navigation and industry, and
- Metropolitan Water Reclamation District of Greater Chicago (MWRDGC).

A large and diverse set of waterways consisting of 78 miles of man-made canals and modified river channels constitutes the CAWS (Figure A2). The CAWS encompasses both the Chicago River system (55 miles) and the Calumet River system (23 miles). Approximately 75 percent of the 78 miles are man-made canals where no waterway previously existed. The remainder is natural streams that have been deepened, straightened and/or widened to such an extent that reversion to the natural state is not possible. The waterways are used to convey urban storm water runoff and municipal wastewater effluent, support commercial navigation, and for recreational purposes.

The CAWS UAA addressed the following waterways:

- North Shore Channel (NSC) downstream of the MWRDGC North Side Water Reclamation Plant (WRP),
- North Branch Chicago River (NBCR) from its confluence with the North Shore Channel to its confluence with the South Branch,
- Chicago Sanitary and Ship Canal (CSSC),
- South Branch of the Chicago River (SBCR) South Fork (Bubbly Creek),
- Calumet-Sag Channel,
- The Little Calumet River from its junction with the Grand Calumet River to the Calumet-Sag Channel,
- The Grand Calumet River (GCR),

- The Calumet River, except the 6.8 mile segment extending from the O'Brien Locks and Dam to Lake Michigan,
- Lake Calumet,
- North Shore Channel upstream of the MWRDGC North Side WRP,
- Chicago River, and
- Calumet River upstream (lakeside) of O'Brien Lock.

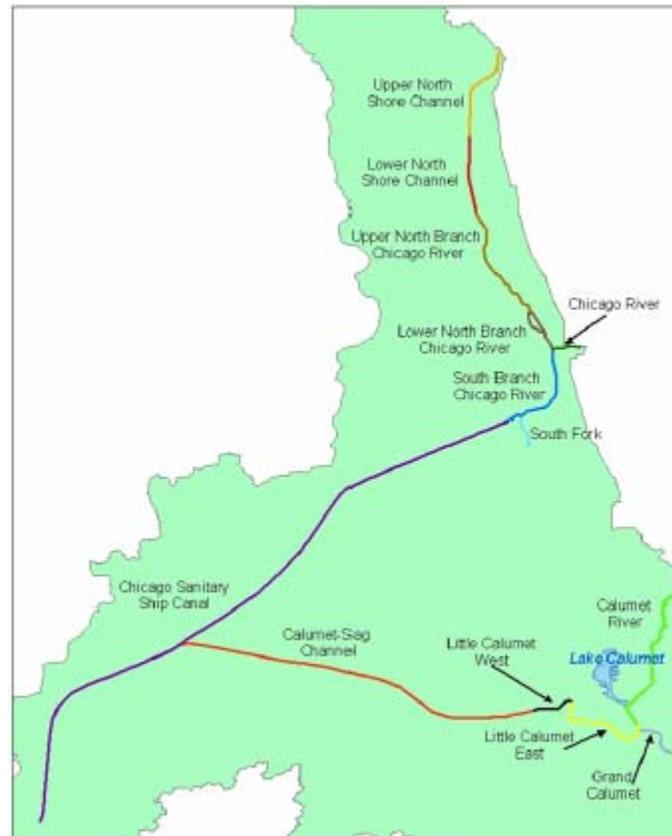


FIGURE A2. Chicago Area Waterway System UAA Reach Segmentation. Source: Chicago Area Waterways UAA (IEPA 2004)

Recreation and navigation use surveys were conducted for all the reaches of the CAWS using the following four methods:

1. Quantitative data characterizing waterway use was requested of SAC, other stakeholders, and all public meeting attendees,
2. IEPA solicited information from marinas along the waterways with a weekly postcard survey,
3. A letter was sent to all municipalities and other public entities adjacent to or owning land along CAWS, soliciting all ongoing or near future (10 years)

- development plans that might affect uses in and along the waterways,
and
4. Field surveys by boat along each reach of the waterway.

Participants of the SAC conducted field surveys from July through October 2003. Reaches were surveyed at least once and as many as twenty times in some instances. Survey teams quantified observed occurrences of pre-categorized recreational activities and noted their relative locations. Categories of recreational activities included:

- Swimming, diving or jumping,
- Wading,
- Fishing,
- Skiing or tubing,
- Canoeing, sculling or kayaking, and
- Power boating.

Based on results of the recreation and navigation use surveys, the SAC concluded that primary contact (i.e., swimming) was not an existing use in the waterways. The SAC also concluded swimming was not an anticipated or desired use within the next ten years. However, significant secondary contact activities including kayaking, canoeing, sculling, personal watercraft use, power boating, and fishing were noted in some reaches. Additionally, limited instances of swimming and water skiing were also observed along some reaches.

The CAWS UAA recommended the creation of two secondary contact subcategories to apply to the CAWS waterways: limited contact recreation and recreational navigation (Tables A1 and A2). The CAWS UAA report states: "At this time no governmental agency or environmental organization is supporting the use of the waterways for primary contact recreation (i.e., swimming) because of the physical limitations and the safety hazards." Some of the physical limitations and safety hazards noted in the UAA included heavy commercial and recreational boat traffic, and high walls preventing a safe and easy exit from the waterways.

In recognition of the hazards associated with primary contact recreation in the CAWS, representatives from USEPA-Region 5, IEPA, the Illinois Department of Public Health, MWRDGC, the City of Chicago, and Cook County created a health advisory pamphlet to be distributed throughout Chicago. The pamphlet warns of the physical constraints of the channels and harmful bacteria in the water. The City of Chicago and the Chicago Park District also plan on posting signs warning against swimming on city property adjacent to waterways.

TABLE A1. Recommended Use Designations for the North Shore Channel and Chicago River System. Source: Chicago Area Waterways UAA (IEPA 2004).

Proposed Designated Use	Upper North Shore Channel	Lower North Shore Channel	Upper North Branch Chicago River	Lower North Branch Chicago River	Chicago River	South Branch Chicago River	Bubbly Creek
Limited Contact Recreation	◆	◆	◆	◆	◆	◆	◆
Recreational Navigation							
General Use Warm-Water Aquatic Life							
Modified Warm-Water Aquatic Life	◆	◆	◆				
Limited Warm-Water Aquatic Life				◆	◆	◆	◆

Table A2. Recommended Use Designations for the CSSC and Calumet System. Source: Chicago Area Waterways UAA (IEPA 2004).

Proposed Designated Use	CSSC	Grand Calumet	Lake Calumet	Calumet River	Little Calumet East	Little Calumet West	Cal-Sag Channel
Limited Contact Recreation		◆	◆		◆	◆	◆
Recreational Navigation	◆			◆			
General Use Warm-Water Aquatic Life							
Modified Warm-Water Aquatic Life		◆	◆		◆	◆	◆
Limited Warm-Water Aquatic Life	◆			◆			

The CAWS UAA cited factors 1, 3, and 4 of 40 CFR 131.10(g) as a legal basis for not designating any of the waterways for primary contact recreation. Factor 1 (Naturally occurring pollutant concentrations prevent the attainment of the use) was cited for Lake Calumet, where high levels of bacteria have been attributed to waterfowl. Factor 3 (Human caused conditions or sources of pollution prevent the attainment of the use and cannot be remedied or would cause more environmental damage to correct than to leave in place) was cited due to high commercial traffic, steep sides, deep draft, and minimal shallow shoreline resulting from the man-made canals. Factor 4 (Dams, diversions or other types of hydrologic modifications preclude the attainment of the use) was cited due to the flow regimes.

Recently the IEPA submitted proposed changes to their water quality standards to the Illinois Pollution Control Board for approval based on results from the CAWS UAA. The uses proposed by the IEPA differed slightly from those recommended in the CAWS UAA. The “limited contact recreation” category was renamed to “incidental contact recreation.” The “recreational navigation” category was renamed to “non-contact recreation.” Additionally, a third category called “non-recreational” was added and applied to a portion of the CSSC. Proposed recommendations are currently pending approval.

Key Facts

- USEPA Region 5 participated in the CAWS UAA Stakeholder Advisory Committee (SAC),
- The SAC reached consensus that:
 1. Primary contact recreation is not an existing use in the waterways, and
 2. Swimming was not an anticipated or desired use within the next ten years.
- The CAWS UAA cited 40 CFR 131.10(g) factors 1, 3, and 4 as a legal basis for precluding primary contact recreation as a designated use,
- Significant secondary contact activities were observed in the CAWS during the UAA including kayaking, canoeing, sculling, power boating, and fishing in some reaches, and
- Primary contact activities (e.g., swimming, diving, skiing) were infrequently observed on some reaches; however, the SAC did not propose any recreational use designations more stringent than limited contact recreation (i.e., secondary contact).

CASE STUDY 3: Recreational Use Attainability Analysis for Presque Isle Bay and Outer Erie Harbor – Pennsylvania Department of Environmental Resources

In 1985, the Pennsylvania Department of Environmental Resources completed a UAA on Presque Isle Bay and Outer Erie Harbor as part of their Triennial review process. Prior to the review, primary contact recreation was not designated as a protected use for Presque Isle Bay and Outer Erie Harbor. At the time water quality standards were first adopted in 1967, water contact sports were not considered an appropriate use. Health hazards resulting from industrial waste and sanitary sewer overflows and heavy shipping traffic were cited as reasons for precluding water contact sports.

The Presque Isle Peninsula envelops a region of Lake Erie near the City of Erie, Pennsylvania to form the Presque Isle Bay (Figure A3). A channel between the eastern tip of the peninsula and the City of Erie connects the Bay with the Outer Harbor. Most of Presque Isle is maintained by Presque Isle State Park which encourages water recreational opportunities. Eleven public beaches are maintained along the lake shore and in the Outer Harbor. However, swimming along the bayside of the park is forbidden by park officials due to safety considerations. The southern portion of the Bay and Outer Harbor is characterized by numerous industrial and commercial facilities. Health concerns related to industrial waste and combined sewer overflows prompted the City of Erie to enact an ordinance in 1940 forbidding swimming in Presque Isle Bay and adjacent inlets unless declared safe by a health officer.

The UAA survey procedures consisted of characterizing bacteriological water quality and the physical characteristics of the water at 17 separate sampling locations throughout Presque Isle Bay and the Outer Harbor. Noted physical characteristics included water depth, water uses, conspicuous macrophyte growths, shoreline structures and land uses.

Results of the survey concluded that primary contact recreation is being attained in Presque Isle State Park and at several areas of the City of Erie's waterfront. Despite park restrictions and a city ordinance forbidding water contact uses, unauthorized swimming was noted to occur in the Bay and Outer Harbor at several locations. However, heavy boat traffic was noted in and around the channel which is the only passageway between Presque Isle Bay and Lake Erie. Erie Harbor ranked third with respect to Lake Erie shipping traffic at the time of the UAA. The boat and shipping traffic was considered to be an irretrievable man-induced condition that warrants restriction of primary contact recreation. Therefore, all of Presque Isle Bay and Outer Erie Harbor were designated for primary contact recreation, with the exception of the Harbor Basin and entrance channel (Figure 3). The Harbor Basin and entrance channel are demarcated by the United States Coast Guard buoys and channel markers.

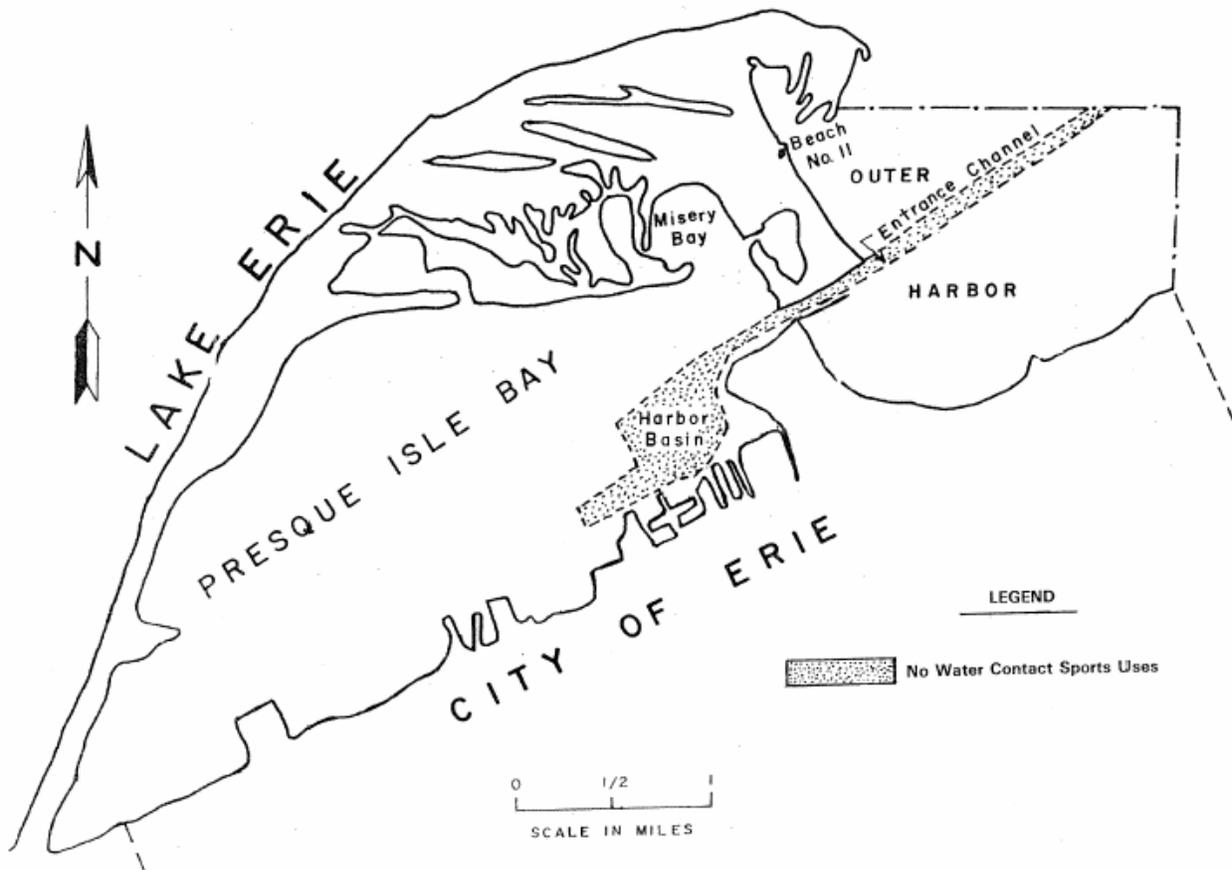


FIGURE A3. Delineation of Area not Designated for Water Contact Sport Uses. Adapted from Figure 5 of the Presque Isle Bay and Outer Erie Harbor Priority Water Body Survey Report Water Quality Standards Review (PDER 1985).

Key Facts

- Boat and shipping traffic in the Harbor Basin and shipping channel is considered to be an irretrievable man-induced condition which has an adverse impact on water contact recreation (i.e., Factor 3 of 40 CFR 131.10(g)).
- Preclusion of water contact sport use designation is limited to the Harbor Basin and entrance channel demarcated by United States Coast Guard buoys and channel markers.

CASE STUDY 4: Suspension of Recreational Beneficial Uses in Engineered Channels during Unsafe Wet Weather Conditions - Los Angeles Regional Water Quality Control Board

In May 2003, the Los Angeles Regional Water Quality Control Board (RWQCB) recommended the suspension of recreational beneficial uses (primary and secondary) in engineered channels during unsafe, wet weather conditions. Prior to this recommendation, all water bodies in the Los Angeles Region included designations for primary recreation. Although designated for primary contact recreation, physical conditions prevent full attainment of this use during high-flow and high-velocity conditions.

Many of the streams and rivers in the Los Angeles Region have been modified for flood control purposes. Channel modifications designed for swift conveyance of water have resulted in life-threatening conditions during and immediately following rain events. The modified channels are also characterized by steep slopes, which effectively prevent easy egress during swift flowing conditions.

The RWQCB made their recommendation to suspend recreational beneficial uses based on conditions that trigger the Region's swift-water protocols (i.e., rescue squads are on alert if someone should happen to enter the water). The suspension of uses is applied when there is rainfall greater than or equal to ½ inch and remains in effect during the 24 hours following the rain event. Studies indicate ½ inch of precipitation effectively predicts flow conditions considered unsafe for wading by the United States Geological Survey (USGS). The USGS considers flow conditions unsafe if peak depth (feet) multiplied by peak velocity (feet per second) is greater than or equal to 10 ft²/sec. Based on the findings of the RWQCB, the USEPA approved the suspension of recreational beneficial uses to engineered channels during wet weather conditions.

Key Facts

- The suspension of uses is applied when there is rainfall greater than or equal to ½ inch and remains in effect during the 24 hours following the rain event, which is consistent with the Los Angeles County Level 1 Alert threshold.
- The suspension applies to inland, flowing, engineered channels where it is possible to restrict access during the defined conditions (through fencing or signs).
- The natural flashy conditions of the engineered channels results in intermittent dangerous flow volumes and velocities after rain events, which satisfies Factor 2 of 40 CFR 131.10(g).
- Channel modifications designed with steep slopes for the swift conveyance of water results in life-threatening conditions during and immediately following rain events, which satisfies Factor 4 of 40 CFR 131.10(g).

- The RWQCB relied on the USGS protocol for determining unsafe flow conditions (i.e., if peak depth [feet] multiplied by peak velocity [feet per second] is greater than or equal to 10 ft²/sec, then conditions are unsafe).
- The study showed that the use would not be attained through effluent limits or best management practices (BMPs) because the physical characteristics of the waterbody, rather than the water quality, preclude the use.
- The suspension would typically apply 16 to 22 days per year based on an evaluation of historical rainfall data from the Los Angeles International Airport (LAX) and three representative rain gages in Ventura County.

CASE STUDY 5: New York Harbor Complex Use Attainability Analysis - New York State Department of Environmental Conservation

In 1985, the New York State Department of Environmental Conservation (NYSDEC) completed a UAA for water bodies in the New York Harbor Complex as part of their triennial review of water quality standards. At the time the UAA was conducted, portions of the Hudson River, Harlem River, East River, and the Upper New York Bay were not classified for primary recreation.

Water bodies of the New York Harbor System were severely impacted at the time of the study due to the dense population of the New York Metropolitan Area. Fecal coliform counts were reportedly as high as 100,000 colony forming units (cfu) per 100 milliliters (mL) in portions of the Harlem River (primary contact recreation criterion - 200 cfu/100 mL). Sources of bacterial contamination included discharges of untreated and inadequately treated sewage from New York and New Jersey, combined sewer overflows (CSOs), and urban runoff.

Prior to the 1985 UAA, the effects of CSO abatement programs were analyzed along with other waste treatment alternatives as part of a Section 208 area-wide waste treatment management planning process. The 208 report included bacteria data from a dry weather survey (consisting of 87 stations), 2 storm event surveys, and results from steady state modeling. Data from the 208 study were used as the basis for the 1985 UAA.

The NYSDEC assessed the results from the 208 study in consultation with the Interstate Sanitation Commission, the State of New Jersey, USEPA Region 2 office, and USEPA Headquarters. The Hudson River (stateline to the Harlem River) was the only water body recommended for a use upgrade to primary recreation. The upgrade was based on a demonstration that application of secondary treatment for all plants would result in a sufficient coliform reduction. Secondary treatment, however, was determined insufficient for coliform reduction for the Hudson River (Harlem River to Battery), the East River, the Harlem River, and the Upper New York Bay. Even a zero discharge alternative with 90% CSO control was not predicted to achieve sufficient coliform reduction for the East River. Based on environmental, technical, and institutional factors, sufficient coliform reduction was not considered a feasible option. Therefore, primary recreation was not designated as a use for the Hudson River (Harlem River to Battery), the East River, the Harlem River, and the Upper New York Bay.

Key Facts

- The 1985 New York Harbor Systems UAA was based on data generated during the New York City 208 area-wide waste treatment management planning process.
- The Hudson River (stateline to the Harlem River) was upgraded to primary recreation since conditions preventing the attainment of the use could be

remedied through application of secondary treatment to all waste treatment facilities.

- Primary recreation use was not designated where coliform reduction was not considered a feasible option, which satisfies Factor 3 of 40 CFR 131.10(g).

Case Study References

Alabama Department of Environmental Management. 2001. Use Attainability Analysis Mobile River – Final. Alabama Department of Environmental Management.

California Regional Water Quality Control Board. 2003. Amendment to the Water Quality Control Plan for the Los Angeles Region to Suspend Recreational Beneficial Uses in Engineered Control Channels during Unsafe Wet Weather Conditions. California Regional Water Quality Control Board, Los Angeles Region.

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Illinois Environmental Protection Agency. 2004. Metropolitan Waste Reclamation District of Greater Chicago (MWRDGC). Chicago Area Waterways UAA – Second Draft. Illinois Environmental Protection Agency.

New York State Department of Environmental Conservation. 1985. Use Attainability Analysis of the New York Harbors Complex. New York State Department of Environmental Conservation, Division of Water.

Pennsylvania Department of Environmental Resources. 1985. Presque Isle Bay and Outer Erie Harbor – Priority Water Body Survey Report Water Quality Standards Review. Pennsylvania Department of Environmental Resources, Bureau of Water Quality Management, Division of Water Quality

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APPENDIX B

Land Use

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TABLE B1. List of Land Parcels and their Uses Adjacent to the Mississippi River from North Riverfront Park to the Confluence of the Meramec River

Parcel Order ¹	Riverfront Length (miles) ²	Owner Name	Property Address	Landuse Code	Landuse Description	Vacant Land
1	0.1111	CITY OF ST LOUIS	10000 RIVERVIEW DR	4830	Water utility	Y
2	0.5165	CITY OF ST LOUIS WATER DEPT	9500 900 RIVERVIEW DR	4830	Water utility	Y
3	0.3076	CITY OF LOUIS WATER DEPT	9460 RIVERVIEW DR	4830	Water utility	Y
4	0.2778	CITY OF ST LOUIS WATER DEPT	9400 RIVERVIEW DR	4830	Water utility	Y
5	0.0044	CEMENT LAND LLC	9350 RIVERVIEW DR	5000	Trade	Y
6	0.0859	CEMENT LAND LLC	9320 RIVERVIEW DR	5000	Trade	N
7	0.0963	FC RIVERVIEW INC	9300 RIVERVIEW DR	5000	Trade	Y
8	0.2097	F C RIVERVIEW INC	9250 RIVERVIEW DR	5000	Trade	Y
9	0.0125	CITY OF ST LOUIS	9120 RIVERVIEW DR	4830	Water utility	Y
10	0.1362	YULA DEVELOPMENT CORP	9000 HALL ST 2	5000	Trade	Y
11	0.1222	YULA DEVELOPMENT CORP	408 TERMINAL ROW	4854	Sanitary land fills	Y
12	0.1005	CITY OF ST LOUIS	410 TERMINAL ROW	5000	Trade	Y
13	0.2799	BURLINGTON NORTHERN RAILROAD CO	1 BADEN AV	4800	Utilities	N
14	0.0982	CITY OF ST LOUIS	400 BADEN AV	6700	Governmental services	Y
15	0.4574	BURLINGTON NORTHERN RAILROAD CO	2 BITTNER ST	4800	Utilities	Y
16	0.077	CITY OF ST LOUIS	30 THATCHER AV	5000	Trade	Y
17	0.0896	TUBBS, CHARLES K TR	2 THATCHER AV	3000	Industrial	Y
18	0.0813	CITY OF ST LOUIS	1 CALVARY AV	5810	Eating places (gross receipts)	N
19	0.1602	TUBBS, CHARLES K TR & THOMAS R	205 AURORA AV	3000	Industrial	N
20	0.2921	CITY OF ST LOUIS	7200 N WHARF ST	6700	Governmental services	Y
21	0.2125	CITY OF ST LOUIS	100 HUMBOLDT AV	6700	Governmental services	Y
22	0.6234	CITY OF ST LOUIS	6400 HALL ST	6700	Governmental services	Y
23	0.6274	CITY OF ST LOUIS	6204 HALL ST	7111	Libraries	Y
24	0.3772	CITY OF ST LOUIS	5210 HALL ST	6700	Governmental services	Y
25	0.0697	ST LOUIS GRAIN CORP	4900 POWDER ST	5000	Trade	N
26	0.1501	ST LOUIS GRAIN CORP	4800 N WHARF ST	5000	Trade	Y
27	0.4077	CITY OF ST LOUIS	28 E GRAND BLVD	6700	Governmental services	Y
28	0.0259	CITY OF ST LOUIS	4224 N WHARF ST	4800	Utilities	N
29	0.0426	CITY OF ST LOUIS WHARF	1 PENROSE ST	4412	Marine terminals, freight	Y
30	0.1082	CITY OF ST LOUIS WHARF	1 ANGELICA ST	5390	Other retail trade	Y
31	0.0359	CITY OF ST LOUIS WHARF	6 ANGELICA ST	4412	Marine terminals, freight	Y
32	0.1849	TERMINAL RAILROAD ASSOC	3951 N WHARF ST	5000	Trade	Y
33	0.0838	CITY OF ST LOUIS WHARF	1 BREMEN AV	4412	Marine terminals, freight	N
34	0.1095	TERMINAL RAILROAD ASSOC	2 BREMEN AV	5000	Trade	Y
35	0.05	CITY OF ST LOUIS	1 SALISBURY ST	6700	Governmental services	Y
36	0.06	CITY OF ST LOUIS	3525 N WHARF ST	6700	Governmental services	Y
37	0.0114	LRA	66 SALISBURY ST	4800	Utilities	N
38	0.0094	THE METRO PARK & RECREATION DIST	3517 N WHARF ST	4800	Utilities	N
39	0.0885	CITY OF ST LOUIS	1 DESTREHAN ST	6700	Governmental services	Y
40	0.0873	CITY OF ST LOUIS	3401 N WHARF ST	6700	Governmental services	N
41	0.1354	KIESEL COMPANY	3301 N WHARF ST	2100	Food and kindred products	N
42	0.0391	CITY OF ST LOUIS	11 DOCK ST	4412	Marine terminals, freight	Y
43	0.0984	CITY OF ST LOUIS	1 BRANCH ST	4412	Marine terminals, freight	Y
44	0.0706	CITY OF ST LOUIS	3001 N WHARF ST	4412	Marine terminals, freight	Y
45	0.1685	GROSSMAN IRON & STEEL CO	2420 812 HALL ST	3000	Industrial	N
46	0.072	CITY OF ST LOUIS	31 MONTGOMERY ST	4412	Marine terminals, freight	Y
47	0.1184	CITY OF ST LOUIS	2 WARREN ST	4412	Marine terminals, freight	N
48	0.1219	CITY OF ST LOUIS WHARF	14 NORTH MARKET ST	4412	Marine terminals, freight	Y
49	0.1198	CITY OF ST LOUIS DOCK & WAREHOUSE BL	1 MADISON ST	6700	Governmental services	N
50	0.0587	CITY OF ST LOUIS	1 TYLER ST	6300	Business services	N
51	0.2483	ST LOUIS MERCHANTS BRIDGE	1851 N WHARF ST	4800	Utilities	N
52	0.0868	CITY OF ST LOUIS	1749 N WHARF ST	4412	Marine terminals, freight	Y
53	0.03	CITY OF ST LOUIS	2 MOUND ST	6700	Governmental services	Y
54	0.028	CITY OF ST LOUIS	2 MOUND ST	3000	Industrial	N
55	0.0342	DUNRAINE US CORP	23 MULLANPHY ST	3000	Industrial	N
56	0.0294	DUNRAINE U S CORP	1 MULLANPHY ST	2900	Petroleum refining and related industries	Y
57	0.0644	WHARF AREA	1600 N WHARF ST	0		N
58	0.0967	CITY OF ST LOUIS	1 SMITH AV	4412	Marine terminals, freight	Y
59	0.0539	CITY OF ST LOUIS	1 DICKSON ST	4412	Marine terminals, freight	Y
60	0.0561	CITY OF ST LOUIS	1300 N WHARF ST	4412	Marine terminals, freight	Y
61	0.061	CITY OF ST LOUIS	4 OFALLON ST	6700	Governmental services	Y
62	0.1464	TRIGEN-ST LOUIS ENERGY CORPORATION	1200 LEWIS ST	5000	Trade	N
63	0.0117	CITY OF ST LOUIS	1120 N 1ST ST	3000	Industrial	N
64	0.0744	LCRA	1101 N LEONOR K SULLIVAN BLVD	5000	Trade	N
65	0.0284	PNK LLC	1030 N COMMERCIAL ST	6700	Governmental services	N
66	0.0057	WIMAR TAHOE CORP	1009 N LEONOR K SULLIVAN BLVD	5000	Trade	Y
67	0.0051	ST LOUIS MERCHANTS BRIDGE TERM RW CO	1007 N LEONOR K SULLIVAN BLVD	5000	Trade	Y
68	0.1742	CITY OF ST LOUIS	950 N LEONOR K SULLIVAN BLVD	5000	Trade	N
69	0.0058	STATE OF ILLINOIS	817 N LEONOR K SULLIVAN BLVD	4800	Utilities	N
70	0.0035	BRIDGE PARTNERSHIP	811 N LEONOR K SULLIVAN BLVD	5000	Trade	Y
71	0.0024	CITY OF ST LOUIS	809 N LEONOR K SULLIVAN BLVD	6700	Governmental services	Y
72	0.004	BRIDGE PARTNERSHIP	807 N LEONOR K SULLIVAN BLVD	5000	Trade	Y
73	0.0023	BRIDGE PARTNERSHIP	805 N LEONOR K SULLIVAN BLVD	5000	Trade	Y
74	0.0094	BRONSON, BEN & HELEN & MARK BRONSON	803 N LEONOR K SULLIVAN BLVD	5000	Trade	Y
75	0.0512	RIVERFRONT GARAGE LLC	701 N LEONOR K SULLIVAN BLVD	5000	Trade	N
76	0.003	BLOCK FIFTEEN EAST ASSN	710 N LEONOR K SULLIVAN BLVD	5000	Trade	Y

Notes: Table adapted from a GIS layer of land parcels provided by the County of St. Louis. Only those parcels adjacent to the Mississippi River (i.e., contiguous with or touching) are included in this table.

1. Parcels are ordered from upstream to downstream beginning with North Riverfront Park and ending at the confluence with the Meramec River.
2. Riverfront length is a measure of those parcel edges adjacent to the Mississippi River. The sum of these values should not be construed as equivalent to the length of the UAA segment. Parcel boundaries are highly irregular and result in a slightly different measurement than rivermiles.

TABLE B1. (continued)

Parcel Order ¹	Riverfront Length (miles) ²	Owner Name	Property Address	Landuse Code	Landuse Description	Vacant Land
77	0.0038	CHERRICK PROPERTIES III	10 LUCAS AV	5000	Trade	Y
78	0.0064	CHERRICK PROPERTIES III	621 N LEONOR K SULLIVAN BLVD	5000	Trade	Y
79	0.0037	CHERRICK PROPERTIES III	619 N LEONOR K SULLIVAN BLVD	5000	Trade	Y
80	0.0056	CHERRICK PROPERTIES III	617 N LEONOR K SULLIVAN BLVD	5000	Trade	Y
81	0.0093	CHERRICK PROPERTIES III	611 N LEONOR K SULLIVAN BLVD	5000	Trade	Y
82	0.002	CITY OF ST LOUIS	609 N LEONOR K SULLIVAN BLVD	4110	Railroad transportation	Y
83	0.0145	CITY OF ST LOUIS	601 N LEONOR K SULLIVAN BLVD	4800	Utilities	N
84	0.7149	CITY OF ST LOUIS	50 S LEONOR K SULLIVAN BLVD	5820	Drinking places	N
85	0.0358	STATE OF MISSOURI	601 S LEONOR K SULLIVAN BLVD	5300	Retail trade - general merchandise	N
86	0.0157	SLAY, JOHN R	619 S LEONOR K SULLIVAN BLVD	5000	Trade	Y
87	0.0858	CITY OF ST LOUIS	2 PLUM ST	5000	Trade	Y
88	0.0545	PLUM DEVELOPMENT CO LTD	700 S 1ST ST	4800	Utilities	N
89	0.0286	CHOUTEAU LANDING L C	800 S 1ST ST	4800	Utilities	N
90	0.029	CHOUTEAU LANDING LC	900 S 1ST ST	4000	Transportation, communication, and utilities	Y
91	0.033	CHOUTEAU LANDING L C	910 S 1ST ST	4800	Utilities	N
92	0.0128	CHOUTEAU LANDING L C	911 S LEONOR K SULLIVAN BLVD	4110	Railroad transportation	Y
93	0.0296	CITY OF ST L	921 S LEONOR K SULLIVAN BLVD	5000	Trade	N
94	0.0144	SUPERIOR OIL CO INC	60 CHOUTEAU AV	2800	Chemicals and allied products	N
95	0.0204	MISSOURI PACIFIC R R CO	1017 S WHARF ST	2800	Chemicals and allied products	Y
96	0.0157	SUPERIOR OIL CO INC	1019 S WHARF ST	5000	Trade	N
97	0.0206	SUPERIOR OIL CO INC	1115 S WHARF ST	5000	Trade	Y
98	0.0189	MISSOURI PACIFIC R R CO	1119 S WHARF ST	4110	Railroad transportation	N
99	0.0572	CITY OF ST LOUIS	1 CONVENT ST	6700	Governmental services	Y
100	0.0545	CITY OF ST LOUIS	2 CONVENT ST	5000	Trade	Y
101	0.0272	CITY OF ST LOUIS	1230 S WHARF ST	5000	Trade	N
102	0.1042	NOOTER CORP	1301 S WHARF ST	5000	Trade	Y
103	0.0532	GUNTHER ERALTY & INVESTMENT CO	2 RUTGER ST	3000	Industrial	N
104	0.0444	CITY OF ST LOUIS LAND & BLDGS OWNED	1300 S WHARF ST	4412	Marine terminals, freight	N
105	0.0529	MISSOURI PACIFIC R R CO	1434 S 1ST ST	4800	Utilities	N
106	0.1201	MISSOURI PACIFIC R R CO	1500 S 1ST ST	4800	Utilities	N
107	0.2007	MISSOURI PACIFIC R R CO	1752 S WHARF ST	6399	General office building (business)	N
108	0.0787	CITY OF ST LOUIS	2300 S WHARF ST	4412	Marine terminals, freight	Y
109	0.3359	CITY OF ST LOUIS	2363 S WHARF ST	4412	Marine terminals, freight	N
110	0.3064	CITY OF ST LOUIS	2426 S WHARF ST	4412	Marine terminals, freight	N
111	0.0595	GRM HOLDINGS L P	1 SIDNEY ST	3000	Industrial	N
112	0.0961	STITCH-TEC CO INC	2 SIDNEY ST	3000	Industrial	Y
113	0.3056	STITCH-TEC CO INC	1 DORCAS ST	3000	Industrial	N
114	0.0074	ANHEUSER-BUSCH	90 DORCAS ST	4110	Railroad transportation	N
115	0.1876	ANHEUSER BUSCH	125 ARSENAL ST	4800	Utilities	N
116	0.1921	UNITED STATES OF AMERICA	150 ARSENAL ST	6700	Governmental services	N
117	0.1294	UNITED STATES OF AMERICA	118 UTAH ST	6700	Governmental services	N
118	0.009	ANHEUSER-BUSCH COMPANIES INC	117 CHEROKEE ST	5000	Trade	N
119	0.0576	UNITED STATES OF AMERICA	121 CHEROKEE ST	6700	Governmental services	Y
120	0.0549	ANHEUSER-BUSCH COMPANIES	20 CHEROKEE ST	5000	Trade	N
121	0.0793	GLG LLC	3430 S 1ST ST	6300	Business services	N
122	0.1097	ASHLAND OIL INC	3536 S 1ST ST	6300	Business services	N
123	0.0572	AMERICAN RIVER TRANSPORTATION CO	3600 S 1ST ST	2000		N
124	0.5886	WHARF AREA	3800 S WHARF ST	0		N
125	0.0432	BUCKEYE TERMINALS LLC	4070 S 1ST ST	6000	Services	N
126	0.3265	CITY OF ST LOUIS	4230 S 1ST ST	6700	Governmental services	N
127	0.0715	CITY OF ST LOUIS	4400 OHIO AV	3000	Industrial	N
128	0.1177	AMERICAN RIVER TRANSPORTATION CO	2501 DAKOTA ST	3000	Industrial	Y
129	0.2314	AMERICANN RIVER TRANSPORTATION CO	4528 S BROADWAY	5000	Trade	N
130	0.0621	CITY OF ST LOUIS	4659 S WHARF ST	6700	Governmental services	Y
131	0.0226	CONGREGATION OF MISSIONAIRES OF OUR	4667 S WHARF ST	5000	Trade	Y
132	0.0253	WALZ, FREDERICK H & ALICE W POINDEXT	4709 S WHARF ST	5000	Trade	Y
133	0.0052	LAFFEY, NELSON CHARLES &	4711 S WHARF ST	5000	Trade	Y
134	0.0372	RIVERBEND PARTNERS	4714 S BROADWAY 2	5000	Trade	Y
135	0.0265	CITY OF ST L	4719 S WHARF ST	1010	Vacant Residential Lot	Y
136	0.0163	MISSOURI PAC RR CO	4714 S BROADWAY	4800	Utilities	N
137	0.0991	DITTRICH, ELSA A TRS	4828 S BROADWAY	1010	Vacant Residential Lot	Y
138	0.0256	LUEPKER, MARTIN R & MARY S	4828 S BROADWAY	1110	Single Family Unit	N
139	0.087	MISSOURI PACIFIC R R CO	101 E MAEDERER ST	4800	Utilities	N
140	0.0401	G M G PROPERTIES LLC	4914 S BROADWAY	1185	Multi-family residential	Y
141	0.0579	MISSOURI PACIFIC R R CO	5000 S WHARF ST	4800	Utilities	N
142	0.0356	CITY OF ST LOUIS	5101 S WHARF ST	6700	Governmental services	Y
143	0.0264	MISSISSIPPI BLUFFS LLC	5126 S BROADWAY 2	5000	Trade	Y
144	0.1934	MISSOURI PACIFIC R R CO	5200 500 S BROADWAY	4800	Utilities	N
145	0.0326	LJD INC	5525 S WHARF ST	5000	Trade	Y
146	0.0288	KJD INC	5541 S WHARF ST	5000	Trade	Y
147	0.1442	CITY OF ST LOUIS	5569 S WHARF ST	5000	Trade	Y
147	0.1442	CITY OF ST LOUIS	5569 S WHARF ST	5000	Trade	Y
148	0.0649	WHARF AREA	199 E ELWOOD AV	0		N
149	0.0609	WHARF AREA	198 E ELWOOD AV	0		N
150	0.1265	ALUMAX FOILS INC	129 E BOWEN ST	3000	Industrial	N
151	0.0709	ALUMAX FOILS INC	129 E IRON ST	3000	Industrial	N

Notes: Table adapted from a GIS layer of land parcels provided by the County of St. Louis. Only those parcels adjacent to the Mississippi River (i.e., contiguous with or touching) are included in this table.

1. Parcels are ordered from upstream to downstream beginning with North Riverfront Park and ending at the confluence with the Meramec River.
2. Riverfront length is a measure of those parcel edges adjacent to the Mississippi River. The sum of these values should not be construed as equivalent to the length of the UAA segment. Parcel boundaries are highly irregular and result in a slightly different measurement than rivermiles.

TABLE B1. (continued)

Parcel Order ¹	Riverfront Length (miles) ²	Owner Name	Property Address	Landuse Code	Landuse Description	Vacant Land
152	0.0648	UNITED STATES OF AMERICA	126 E IRON ST	6700	Governmental services	N
153	0.0701	HCI CHEMTECH DISTRIBUTION, INC	145 E SOPER ST	2800	Chemicals and allied products	N
154	0.0605	HCI CHEMTECH DISTRIBUTION INC	123 E MOTT ST	5000	Trade	N
155	0.0805	LONE STAR IND INC	6603 S WHARF ST	5000	Trade	N
156	0.2046	UNION CARBIDE AGRICULTURAL	133 E KRAUSS ST	2870	Agricultural chemicals	N
157	0.0614	MISSOURI PACIFIC R R CO	190 E QUINCY ST	4800	Utilities	N
158	0.0696	BROADWAY PETROLEUM CO LLC	201 E NAGEL AV	3000	Industrial	N
159	0.2948	LENCO MARINE LLC	300 E NAGEL AV	3000	Industrial	N
160	0.1872	LENCO MARINE LLC	7700 VAN BUREN ST	3000	Industrial	Y
161	0.1096	MISSOURI PACIFIC RR CO	7900 VAN BUREN ST	3000	Industrial	N
162	0.1068	LOUISIANA DOCK CO LLC	709 E DAVIS ST	3000	Industrial	N
163	0.0645	CITY OF ST LOUIS	701 E HURCK ST	6700	Governmental services	Y
164	0.0611	CITY OF ST LOUIS	700 E HURCK ST	6700	Governmental services	Y
165	0.1363	CITY OF ST LOUIS	8517 S WHARF ST	6700	Governmental services	Y
166	0.201	CITY OF ST LOUIS	600 E CATALAN ST	5000	Trade	Y
167	0.7093	ST LOUIS COUNTY PORT AUTHORITY	599 E ARLEE AVE	637	Industrial/Utility	
168	0.246	METROPOLITAN ST LOUIS SEWER DISTRICT	9880 PERRIN AVE	484	Industrial/Utility	
169	0.4616	ST LOUIS COUNTY	490 BAGBY ST	711	Institution	
170	0.634	J D STRETT & COMPANY INC	1 RIVER RD	289	Industrial/Utility	
171	0.0144	ST LOUIS COUNTY	400 BAGBY ST	711	Institution	
172	0.5521			0		
173	0.6961			0		
174	0.218			0		
175	0.4731	BUSSEN REALTY COMPANY INC	4190 BUSSEN RD	637	Industrial/Utility	
176	0.9349			0		
177	0.0265	BUSSEN REALTY CO	5752 BLUFF RD R	661	Commercial	
178	0.1408			0		
179	0.0757	BUSSEN REALTY CO A MO CORP	5864 BUSSEN BLUFF RD	910	Vacant/Agriculture	
180	0.3654	ST LOUIS COUNTY	5972 BLUFF RD	761	Park	
181	2.7411	TWIN HOLLOW ASSOCIATES	415 GRIMSLEY STATION RD	190	Vacant/Agriculture	
182	0.0391			0		
183	0.0303	FELTMANN J M & ADELINE A H/W TRUSTEES	7250 CHRISTOPHER DR R	910	Vacant/Agriculture	
184	0.0086	FELTMANN ADELINE A TRUSTEE	7260 CHRISTOPHER DR R	910	Vacant/Agriculture	
185	0.0766	STEFFENS SHERI JO	7280 CHRISTOPHER DR R	910	Vacant/Agriculture	
186	0.0215	RIES MARILYN J	7290 CHRISTOPHER DR R	910	Vacant/Agriculture	
187	0.0608	MUELLER JOHN J PATRICIA M H/W	7300 CHRISTOPHER DR R	910	Vacant/Agriculture	
188	0.0481	JERSA MICHAEL J NANCY M H/W	7316 CHRISTOPHER DR R	910	Vacant/Agriculture	
189	0.4999			0		
190	0.112	METROPOLITAN ST LOUIS SEWER DISTRICT	7490 CHRISTOPHER DR	910	Vacant/Agriculture	
191	0.1754	F R & R LEASING	7598 NELLIE AVE	910	Vacant/Agriculture	
192	0.1054	F R & R LEASING	7680 CHRISTOPHER DR	649	Commercial	
193	0.932			0		
194	1.1413	UNION ELECTRICCOMPANY	8279 FINE RD	481	Industrial/Utility	

Notes: Table adapted from a GIS layer of land parcels provided by the County of St. Louis. Only those parcels adjacent to the Mississippi River (i.e., contiguous with or touching) are included in this table.

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2. Riverfront length is a measure of those parcel edges adjacent to the Mississippi River. The sum of these values should not be construed as equivalent to the length of the UAA segment. Parcel boundaries are highly irregular and result in a slightly different measurement than rivermiles.

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APPENDIX C

Recreational Use Interviews and Completed Questionnaires

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Federal and State Agency Interviews

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Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JTS Date & Time: 9/28/07 10:15
Conducted by: X telephone in person email/mail

Name: Chief Warrant Officer Bill Perkins

Company/Organization: U.S. Coast Guard, Base St. Louis Mooring Facility

Telephone Number(s): 314-269-2571

Email:

Introduction: “My name is Trent Stober, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Currently Chief Warrant Officer
- Served in USCG for 29 ½ year career at the St. Louis base since 1994 to present (with exception of 2-year deployment in North Carolina – 2000-2002)
- Investigates and inspects port operations, barges/towboats, and pollution reports, as well as law enforcement
- Officer Perkins patrols the St. Louis port area almost daily

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- The port is consistently busy
- Commodities vary by season, including grain, fertilizers, construction products, etc.
- Officer Perkins escorts all anhydrous ammonia shipments due to public safety and homeland security concerns, which move through the area primarily in the spring.

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- U.S. Coast Guard Regulations

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- Floating debris in the water, pollution from towboats (i.e., diesel spills, untreated sewage, bilge pump releases)
- Officer Perkins believes that the 20-mile Mississippi River segment from Chain of Rocks to the Jefferson Barracks Bridge is the most dangerous water in the 8-state region patrolled by the St. Louis base.

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- The fleeting operations within this area are particularly dangerous for boaters and other potential recreators.
- Officer Perkins described recreating at the near-shore areas like hiking on the shoulder of Highway 44.
- Barge traffic also makes near-shore recreating dangerous due to producing undertow currents out to the main channel. When river flows are low and the navigation channel is constricted, towboats move so much water from propulsion that near-shore water levels are drawn down and currents directed out to the channel are produced.
- Officer Perkins has seen two docked asphalt barges break loose from their docks and carried downstream due to towboat suction within the channel.
- Officer Perkins patrolled the segment when one barge broke loose from a fleeting area, which caused a “domino effect” downstream that resulted in 126 other barges breaking from docks and fleeting areas. Several of these barges sunk.
- Even strong swimmers cannot manage the strong currents within the segment (up to 8 miles/hr).
- Most life jackets used by recreational boaters do not provide sufficient protection. Type I life jackets provide the greatest chance of surviving immersion in the river.
- Officer Perkins has seen several drownings within the area. He has responded and had to separate fledged barges to recover boat crew members that have fallen overboard. All of these drownings occurred while the individuals were wearing life jackets but were pulled underneath fledged or docked barges.
- Officer Perkins has responded to 2 fatal boating accidents recently. One was a pontoon boat that was sucked under a barge, killing 2 individuals. Another was a small fishing boat that sunk due to river hydraulics, resulting in 2 drownings.
- Undertows near river structures are particularly difficult to observe from the surface. Officer Perkins was in a vessel that was influenced by undertows, which were only observed from a plane or helicopter overhead.
- Officer Perkins was in a USCG vessel that lost propulsion and was rescued by a towboat crew. He was about to jump overboard in fear of being sucked under fledged barges when rescued.

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)	1-2 observations	
Jefferson Barracks Park		

Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Usually receive 1-2 report of persons in swimming from anchored boats on the Fourth of July holiday. Recreational boating on the Fourth of July has declined over the past few years.
- Officer Perkins has never seen waterskiers.
- Homemade boats are relatively common, many of which must be rescued within the area.

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/12/07 15:13
Conducted by: telephone in person email/mail

Name: Dep. Jesse Stevenson

Company/Organization: U.S. Coast Guard, Base St. Louis Mooring Facility

Telephone Number(s): 314-269-2540 (Main Office, St. Louis)

Email:

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Public affairs officer
- Been in St. Louis location for 6 years
- The Coast Guard patrols the Mississippi in the St. Louis area and also responds to oil spill

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- The grain season (spring and fall) are busy times
- Generally the port is constantly busy

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- U.S. Coast Guard Regulations

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic Current Other reasons (describe)

- Floating debris in the water

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks	1-2 reported calls	
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Usually receive 1-2 report of persons in water near or around the Fourth of July holiday

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- Locks and Dams division of the Army Corp of Engineers

MSD Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire

Name: Corporal Mike Porter 6/19/2007

Organization: Missouri State Water Patrol, District 5 St. Louis and St. Charles

Telephone Number(s): 573-751-3333

Email:

Please describe your organization and its members.

Water Safety Patrol

Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

Lots of barges, which create a hazard to boaters let alone swimmers. Wouldn't recommend boating or swimming in this stretch of the River.

How would this traffic impede people from wading into the river from the shoreline to swim?

No access. Current too strong. Never seen swimmers. Barge traffic too heavy.

Do you think it is safe to swim in the Mississippi River in the St. Louis area? No!

Why? Barge traffic Current Other reasons water quality (describe)

Have you observed or have anecdotal evidence of whole body contact recreation (i.e., swimming) in the Mississippi River in the following areas?

Chain of Rocks - No

Mosenthein Island (Missouri side) No

Mosenthein Island (Illinois side) No

North Riverfront Park No

Downtown (near Arch) No

Jefferson Barracks Park No

Cliff Cave Park – not familiar

Bee Tree Park (at confluence of Meramec R.) not familiar

If so please describe the location and circumstances.

Can you suggest other entities or people we should contact for this type of information?

Please list names and contact information.

MSD Mississippi River Use Attainability Analysis – Barge and Related Safety
Information

Interview Questionnaire

Name: Major Jody Hughes

Organization: Missouri Water Patrol

Telephone Number(s): 751-3333

Email: jody.hughes@msswp.dps.mo.gov

Please describe your organization and its members.
Responsible for public water safety in Missouri

Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

Mississippi from Jefferson County all the way to Lincoln County

2006 – One drowning on Mississippi- fell from bridge.

2006 – 7 reported boating accidents – one fatality (falling overboard), one injury

Have you observed or have anecdotal evidence of whole body contact recreation (i.e., swimming) in the Mississippi River in the St. Louis area? If so please describe the location and circumstances.

None. Noted swimming on the Meramec.

Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

State of Illinois - DNR

MSD Mississippi River Use Attainability Analysis – Barge and Related Safety
Information

Interview Questionnaire

Name: Capt. Mark Otis 6/19/2007

Organization: Illinois Department of Natural Resources, Illinois Conservation Police

Telephone Number(s): 618-462-1181

Email:

Please describe your organization and its members.

Law enforcement of State Park also similar to Water Patrol on Missouri side.

Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data. No.

How would this traffic impede people from wading into the river from the shoreline to swim?

Do you think it is safe to swim in the Mississippi River in the St. Louis area? No

Why? Barge traffic Current Other reasons _____ (describe)

Have you observed or have anecdotal evidence of whole body contact recreation (i.e., swimming) in the Mississippi River in the following areas?

- Chain of Rocks
- Mosenthein Island (Missouri side)
- Mosenthein Island (Illinois side) – wading for fishing, kayaking
- North Riverfront Park
- Downtown (near Arch)
- Jefferson Barracks Park
- Cliff Cave Park
- Bee Tree Park (at confluence of Meramec R.)

If so please describe the location and circumstances.

No public boat access.

Can you suggest other entities or people we should contact for this type of information?
Please list names and contact information. Police Dept. City of Madison, Illinois – lots of
crime along waterfront.

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/19/07 8:24
Conducted by: telephone in person email/mail

Name: Allen Dulley

Company/Organization: U.S. Army Corps of Engineers, St. Louis District

Telephone Number(s): 314-331-8002

Email:N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Public affairs officer
- Has been around the Mississippi River in St. Louis for 5.5 years

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- Weather conditions effect barge traffic
- Market prices have effect on barge traffic
- Specific river conditions effect barge traffic(high or low water levels)
- Above lock 27 barges can fleet up to 15-16 per fleet; below lock 27 (just north of St. Louis) barges can fleet up to 30 per fleet and can be in excess of 1500 feet long, traveling 5-8 knots down stream

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- N/A

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic Current Other reasons (describe)

- Cross currents
- Sand bars
- Currents vary and can change quickly
- Water elevations on the river; large changes can occur with a recorded range of 55.7 feet at the Poplar Street Bridge gage location
- Weather Conditions
- Floating debris, which increase when water levels rise pulling debris in the river

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Said he has observed jet skiing and water skiing during the summer months on the Mississippi in the St. Louis area

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

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Local Government Interviews

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MSD Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire (June 1, 2007)

Name: Nick Nichols

Organization: St. Louis Port Authority

Telephone Number(s): 314-259-3465

Email:

Please describe your organization and its members.

St. Louis Port Authority leases city owned land along the Mississippi River to commercial and other operations. He noted that the area around Chain of Rocks is not used for commercial traffic because too shallow and silts up (from Missouri River). The City owns approximately 65% of the 19.3 mile stretch of the Mississippi that runs by St. Louis.

Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

Mr. Nichols stated that the Corps of Engineers maintains these data. He mentioned that 33 million tons of products pass through St. Louis annually. This does not include local barge traffic.

Have you observed or have anecdotal evidence of whole body contact recreation (i.e., swimming) in the Mississippi River in the St. Louis area? If so please describe the location and circumstances.

Mr. Nichols implied it was too dangerous to swim. In addition to the barge traffic he noted that the current was so strong that he has heard of houseboats losing their propulsion and getting sucked under barges.

Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

U.S. Coast Guard Capt. Sharon K. Richey (314) 269-2600

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 12:30 pm 7/16/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____

Worker/Park management Cliff Cave and Bee Tree Park

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: Larry Inadmit

Current mailing address:

Daytime phone number: (314) 846-8337

E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years? 16 yrs

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

Not conducive "Big Scary River"

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Never

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: <u>None</u>

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? ~~10-20~~
None

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List: _____

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? *1 to 2 times a week*
Maybe

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming | Tubing | Snorkeling/Skin Diving | Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? _____

Other _____

Interviewer Information:

Signature: James Bryce

Printed Name: James Bryce

Employer (where applicable): MEC Water Res.

Interviewer's phone #: 573 443 4100 E-mail: jbryce@mecwater.com

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**Trade Organization and
Public Interest Group Interviews**

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MSD Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire

Name: Jim Patterson

Organization: St. Louis Port Association/Osage Marine Services

Telephone Number(s): (314) 421-3575

Email:

Please describe your organization and its members.

Fairly informal association of tug operators around St. Louis. Not much is documented regarding their proceedings or other data.

Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

Corps is best source. They do not have intra-port data.

Corps keeps ratings of ports. St. Louis is ranked #2 inland port after Pittsburgh/Huntington.

Have you observed or have anecdotal evidence of whole body contact recreation (i.e., swimming) in the Mississippi River in the St. Louis area? If so please describe the location and circumstances.

One time charity event when someone swam across the Mississippi. They shut down boat traffic for this fundraiser.

Polar Bear Club on New Years Day by the Arch.

Not much recreational boating except on July 4th.

Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

Coast Guard licenses tug operators; training requirements for licensing.

MSD Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire

Name: Lynne Muench

Organization: American Waterways Operators

Telephone Number(s): 314 308 0378 (m) (314) 446-6474 (o)

Email: awo_midcontinent@msn.com

Please describe your organization and its members.

National trade association for the tug and barge operators representing approximately 300 members nationwide.

Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

She indicated that the Corps of Engineers is the best source of data. Suggested speaking with James “Goat” Patterson, President of the St. Louis Port Association (314) 421-3575, specifically about intra-harbor traffic and safety training requirements for operators. She considers the current far too strong for anyone to swim in the Mississippi.

Have you observed or have anecdotal evidence of whole body contact recreation (i.e., swimming) in the Mississippi River in the St. Louis area? If so please describe the location and circumstances.

No.

Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

Suggested St. Louis Port Association (see above), Coast Guard, and Missouri Water Patrol (Paul Kennedy, Dir. Of Public Information, Jefferson City)

MSD Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire 7/10/07 RAK

Name: Herm Smith

Organization: Streamteach.org

Telephone Number(s): (314) 725-1907

Email: hwsmith@umsl.edu

Please describe your organization and its members. There are about 300 paddlers in the St. Louis area. Their organization promotes paddling water sports in and around St. Louis.

Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

How would this traffic impede people from wading into the river from the shoreline to swim?

Do you think it is safe to swim in the Mississippi River in the St. Louis area?

Why? Barge traffic _____ Current _____ Other reasons _____ (describe)

Have you observed or have anecdotal evidence of whole body contact recreation (i.e., swimming) in the Mississippi River in the following areas? Usually put in by Chain of Rock Bridges and out at North Riverfront park. River down in late summer through the fall and into December. When water is down (below 9') water quality is decent with visibility of 1.5 feet. Their paddlers usually use St. Francis in Spring when Chain of Rocks is too high. He has paddled on one occasion near mouth of the Meramec.

Chain of Rocks – yes by the two water intake towers he has observed up to 5-10 swimmers around sand bars that develop in the summer around I-270 in the middle of the River. People camp on the sand bars, within view of the Arch. He described it as a wilderness-like experience. He noted that Chain of Rocks provides Class III and IV rapids so total immersion is common.

Mosenthein Island (Missouri side) – good sand bars people camp and swim 5-10

Mosenthein Island (Illinois side) – good sand bars, fisherman and their kids wading/swimming

North Riverfront Park – this is where they take out typically – has not observed swimming here

Downtown (near Arch)

Jefferson Barracks Park
Cliff Cave Park
Bee Tree Park (at confluence of Meramec R.)

If so please describe the location and circumstances.

Can you suggest other entities or people we should contact for this type of information?
Please list names and contact information.

Suggested visiting their website www.streamteach.org

**Dock and Service
Terminal Representative Interviews**

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Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/19/07 11:06
Conducted by: X telephone in person email/mail

Name: Thomas Dunn

Company/Organization: Gateway Arch Riverboats, St. Louis Dock

Telephone Number(s): 314-923-3015; Fax: 314-923-3017

Email:

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Has 34 years experience
- Operates passenger vessels for tours on the river

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- St. Louis is busy because it is a switching port for fleet sizes
- With fall harvest the fleet traffic increases
- There has been a increase in traffic over the last 5-6 years due to increased foreign trade

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Life jackets for employees
- Standard U.S. Coast Guard Regulations for passengers

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- Main concern are the dangerous currents, particularly the undertow currents

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)	Water Skiing/Wading	
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- New Years day has observed water skiing and a polar bear type event in front of the Arch downtown
- Has observed wading or dipping feet in the water downtown

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- Nick Nichols with the St. Louis Port Authority, Port Commissioner; 314-622-3400 ext. 264

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/19/07 9:44
Conducted by: telephone in person email/mail

Name: Karl Berthelot

Company/Organization: Osage Marine Services, George Street Fleet Mooring, Eagle Marine Industries, Riverport Terminal Wharf

Telephone Number(s): 314-421-3575; Fax: 314-421-3579
Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- He has been the barge industry for 13 years
- Mooring for barge fleetings

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- Constant traffic all year

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Life jackets at all times when working on or near the water

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic Current Other reasons (describe)

- Dangerous undertows
- There is low recreational use below lock 27

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)	Jet skiing around 4 th of July	
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Has observed a little jet skiing around the Fourth of July near downtown

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/19/07 13:00
Conducted by: X telephone in person email/mail

Name: Bruce Layher

Company/Organization: Continental Cement Co. St. Louis Terminal Dock

Telephone Number(s): 314-231-3149; Fax: 314-231-2904

Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Has been with Continental Cement for 7 years
- Deals with receiving of cement

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- The busiest time for his location is April through December

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Life jackets
- Clean barges and work area
- U.S. Coast Guard Regulations

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- Debris in the water
- Has observed logs being pulled under by the undertow currents, “could only imagine what would happen to a person”

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Has not observed water recreational use of the Mississippi in the St. Louis area

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time:
Conducted by: telephone in person email/mail

Name: Daniel Gerovac

Company/Organization: Cahokia Marine Service Dock

Telephone Number(s): 618-274-2405 ext. 585; Fax 618-874-3670

Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Has 11 years of experience
- Shipping and receiving

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- Constant traffic all year

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Require life jacket use

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

If no, why? Barge traffic Current Other reasons (describe)

- Access

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Has observed jet ski use during the summer over the last 11 years, very rarely (2-3 instances) over the Mississippi on the St. Louis stretch

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 6/12/07 10:30
Conducted by: X telephone in person email/mail

Name: Dana Bussen

Company/Organization: Bussen Reality Co.

Telephone Number(s): 314-487-2300 Dana ext.105; Fax:314-487-9903

Email:

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Dana has 18 years experience in the barge industry
- He worked on barges when he was younger

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- Winter season is the busiest time due to the ice in on the northern stretches
- St. Louis harbor is extremely busy
- A majority of the fleet traffic is towed

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- No comment

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- Submerged drift can be hazardous to small vessels
- A small craft with motor problems could get caught in the current and hit by a barge

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- Users could be swept into barges by the current

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park	Rare water skiing	
Bee Tree Park (at confluence of Meramec R.)	Rare water skiing	

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Has seen water skiing rarely (3-4 events per year)
- Fourth of July downtown is busy for the fireworks
- Private larger vessel travel through the port during the spring and fall coming and going to the Gulf of Mexico

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- No contacts provided

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/19/07 10:08
Conducted by: X telephone in person email/mail

Name: Dave Agnew

Company/Organization: Slay Bulk Terminals, St. Louis Dock

Telephone Number(s): 314-776-6629; Fax: 314-776-1255

Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- 27-28 years of experience
- Receiving of liquid chemicals

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- Traffic has slowed down at his particular location
- 2 barges per month at his location

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Require hard hats, safety goggles and life vest

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- The current is his main concern; believes the flow rate is around 5-6 miles per hour

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- The current

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Said he has observed approximately 6 jet skiers on the Mississippi in the St. Louis area
- Has observed 2-3 people try to swim the river in the port area

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/12/07 14:09
Conducted by: X telephone in person email/mail

Name: Gerad “Gerry” Erbs

Company/Organization: American River Transportation Co. Reidy Fleet Mooring

Telephone Number(s): 314-481-2030, alt. 630-739-2030; Fax: 314-481-5278

Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Tug boat captain since 1988

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- Constant barge traffic
- Particular location may have a slow period during the month

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- U.S. Coast Guard Regulations
- OSHA standards
- Daily and weekly safety meetings

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- Current is the biggest safety concern
- Barges create potentially dangerous swells

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)	N/A	
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Has observed jet skiing during the Fourth of July, holidays and on the weekends during the summer months in the St. Louis area

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 07/11/07 8:31
Conducted by: telephone in person email/mail

Name: John Neihaus

Company/Organization: Lewis and Clark, Phillips Fleet Mooring, Monsanto Fleet Mooring, Tri-City Regional Port District MO Fleet

Telephone Number(s): 618-876-1116; Fax: 618-876-8468
Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

Mr. Neihaus has been with Lewis and Clark for eighteen years, coordinating the fleet of barges for loading and unloading.

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

Their locations are constantly busy during the year. On a daily average they will fleet eighty barges for loading and unloading. They run approximately seven tug boats twenty four hours a day

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

Their facilities follow full U.S. Coast Guard Regulations, have their own security and safety regulations, they are audited by the U. S. Coast Guard and customers annually

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N
No

If no, why? Barge traffic Current Other reasons (describe)

Mr. Neihaus commented on how the river is a brown water system, therefore you cannot see the floating debris. He felt this was a hazard for swimming conditions in the river. He stated he has been on the river for thirty three years and would never put a foot in it.

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

Debris in the water

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks	N/A	
Mosenthein Island (Missouri side)	N/A	
Mosenthein Island (Illinois side)	N/A	
North Riverfront Park	N/A	
Downtown (near Arch)	N/A	
Jefferson Barracks Park	N/A	
Cliff Cave Park	N/A	
Bee Tree Park (at confluence of Meramec R.)	N/A	

If so, please describe the timeframe (year, season, how often), location, and circumstances.

Mr. Neihaus stated he has never seen anyone using the river for recreational use south of lock 27 to the JB Bridge.

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/19/07 10:32
Conducted by: X telephone in person email/mail

Name: Eric Coalberg

Company/Organization: Materials Sales Co. Dock

Telephone Number(s): 314-574-8391 alt. 314-436-1541; Fax: 314-436-1615

Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- He has 12 years experience
- Handling marine supplies and mooring vessels for topside repairs

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- Fall harvest increased traffic
- In general a busy port

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Comply with U.S. Coast Guard Regulations

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- The Missouri River confluence increase the sediment load of the water making it less appealing for swimming

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)	Jet skiing	
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Has observed a swimmer for a fund raising event downtown
- Has observed jet skiing downtown

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- Waterways Journal for Grain and Coal tonnages

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/19/07 11:45
Conducted by: X telephone in person email/mail

Name: Joe Bowler

Company/Organization: St. Louis Auto Shredding Dock

Telephone Number(s): 618-271-7100; Fax: 618-875-0028

Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Has been with St. Louis Auto Shredding since 1982
- Shipping and receiving of scrap metal

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- Grain season, with the Fall being the busiest

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Life jackets
- U.S. Coast Guard Regulations

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- Yes (in a follow-up interview on 9/4/07 with Rob Kravitz, Mr. Bowler clarified that he has swam in the Mississippi River for 40 years in the Alton, IL area where the current is much slower. He also noted that there are no public boat accesses on the Illinois near St. Louis. There was one in Venice, IL that was bought and converted to a barge dock.)

If no, why? Barge traffic X Current X Other reasons X (describe)

- Presumed that if drinking water is pulled from the river the environmental conditions of the water would be safe for swimming

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)	Water skiing, during holidays	
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Has observed water skiing just north of the Arch during holidays
- His facility is located just north of East St. Louis water plant

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- Suggested contacting the East St. Louis water plant

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/12/07 14:28
Conducted by: X telephone in person email/mail

Name: Mike McRay

Company/Organization: Buzzi Unicem USA, South Dock/Inc.

Telephone Number(s): 314-353-3344

Email:

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- N/A

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- One barge per week
- Approximately 200 barges per year
- Summer and the fall are the busiest time for the South Dock

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- N/A

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- Log Drifts, drift piles
- High barge traffic

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park	N/A	
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Has never observed anyone swimming or using the river recreationally near the south dock.

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/19/07 13:51
Conducted by: X telephone in person email/mail

Name: Rich Coffman

Company/Organization: Lange-Stegmann Co. Dock

Telephone Number(s): 800-279-9531; Fax: 314-241-1819

Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Has 25 years experience
- Receiving of bulk commodities, which include dry and liquid fertilizer, coal, coke, ores, grains and salt

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- Fertilizer company is busy the first 5 months of the year and the last 3
- 5-6 barges per week specifically at there location
- Are expecting an increase in traffic towards the end of the year

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Standard Coast Guard Regulations

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- The undertow is dangerous

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park	Jet skiing	
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Has rarely observed jet skiing near Riverfront close to the Fourth of July holiday

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time:
Conducted by: X telephone in person email/mail

Name: Steve Bodine

Company/Organization: Alberici Constructors Dock

Telephone Number(s): 314-261-2611 ext. 38280; Fax: 314-381-5502

Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Has 30 plus years experience
- Operates barges and tugs out of there location

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- 4-5 barges a month all year

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Full U.S. Coast Guard Regulations

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- Debris
- Has observed large logs being pulled under by undertow currents

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

Note: Several attempts to recontact Mr. Bodine to discuss exact locations and frequencies were unsuccessful. -jc

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Frequently sees the river used for water skiing, jet skiing and swimming along the whole stretch of the Mississippi in St. Louis during the summer months

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/19/07 11:06
Conducted by: X telephone in person email/mail

Name: Thomas Dunn

Company/Organization: Gateway Arch Riverboats, St. Louis Dock

Telephone Number(s): 314-923-3015; Fax: 314-923-3017

Email:

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Has 34 years experience
- Operates passenger vessels for tours on the river

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- St. Louis is busy because it is a switching port for fleet sizes
- With fall harvest the fleet traffic increases
- There has been a increase in traffic over the last 5-6 years due to increased foreign trade

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Life jackets for employees
- Standard U.S. Coast Guard Regulations for passengers

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- Main concern are the dangerous currents, particularly the undertow currents

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)	Water Skiing/Wading	
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- New Years day has observed water skiing and a polar bear type event in front of the Arch downtown
- Has observed wading or dipping feet in the water downtown

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- Nick Nichols with the St. Louis Port Authority, Port Commissioner; 314-622-3400 ext. 264

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 6/17/07 8:15
Conducted by: telephone in person email/mail

Name: Kem Conrad

Company/Organization: Manufacturer's Cartage Co. Dock

Telephone Number(s): 314-577-1719; Fax: 314-577-1756

Email:

Introduction: "My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area."

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- 35 years
- Directing engineer with Anheuser-Busch

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- Barge shipping and receiving closed approximately 15 years ago

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Life vest on when on barges or near water

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

If no, why? Barge traffic Current Other reasons (describe)

- Floating debris in the water
- The currents are too swift for swimming

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)	Wading on shoreline	
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- The fourth of July he has observed people wading on the shoreline downtown

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/19/07 11:34
Conducted by: telephone in person email/mail

Name: Tim Bishop

Company/Organization: Petroleum Fuel and Terminal Co. St Louis Dock

Telephone Number(s): 314-621-0522; Fax: 314-621-0790

Email:

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- He has 12 years experience
- Terminal Manager
- Shipping and receiving of fuel oil and asphalt

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- Traffic tends to be heavier during the summer months

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- Life jackets on when near the perimeter of the docks or while on a barge

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic Current Other reasons (describe)

- Water quality concerns
- Currents are too swift for swimming

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Has had no observations of recreational use

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/19/07 14:46
Conducted by: X telephone in person email/mail

Name: Wayne Gum

Company/Organization: U.S. Steel, Granite City Dock and Fleet Mooring

Telephone Number(s): 618-451-3158; Fax: 618-451-3465

Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Has 34 years experience
- Shipping of steel

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- The Fall and Spring seasons are the busiest due to grain shipments

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- OSHA
- Maritime Law
- U.S. Coast Guard Regulations

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

If no, why? Barge traffic X Current X Other reasons X (describe)

- Current is the main safety concern for swimming in the Mississippi in the St. Louis area

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park		
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- Has observed water recreational use north of Chain of Rocks, but has not seen any use in the St. Louis Port area

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Mississippi River Use Attainability Analysis – Barge and Related Safety Information

Interview Questionnaire Completed by: JSV Date & Time: 06/12/07 14:09
Conducted by: X telephone in person email/mail

Name: Larry Reed

Company/Organization: Sim Materials Co., St. Louis Dock/LLC.

Telephone Number(s): 314-481-2899; Fax: 314-481-2995

Email: N/A

Introduction: “My name is James VeVerka, I work for MEC Water Resources, Inc. and am collecting information on how the barge industry and individuals use the Mississippi River in the St. Louis area.”

1. How long have you been working in and around the Mississippi River in St. Louis? In what capacity?

- Declined to answer all the questions, but did provide some comments

2. Do you have any specific information related to barge traffic quantities, frequencies, seasonality? If so please provide data and source of data.

- N/A

3. Does your company follow a health and safety plan that addresses job hazards associated with river conditions? If so, how are these hazards addressed?

- N/A

4. Do you think it is safe to swim in the Mississippi River in the St. Louis area? Y/N

- No

If no, why? Barge traffic X Current X Other reasons X (describe)

- Access
- Too many barges for recreational use (i.e. swimming tubing water skiing)

5. How would these conditions impede swimming or other whole body contact activities within the Mississippi River?

- N/A

6. Have you observed or have anecdotal evidence of **whole body contact recreation** (i.e., swimming, tubing, snorkeling, water skiing) in the Mississippi River in the following areas?

Location	Observed	Anecdote
Chain of Rocks		
Mosenthein Island (Missouri side)		
Mosenthein Island (Illinois side)		
North Riverfront Park	N/A	
Downtown (near Arch)		
Jefferson Barracks Park		
Cliff Cave Park		
Bee Tree Park (at confluence of Meramec R.)		

If so, please describe the timeframe (year, season, how often), location, and circumstances.

- N/A

7. Can you suggest other entities or people we should contact for this type of information? Please list names and contact information.

- N/A

Citizen Interviews

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Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name **CHOUTEAU ISLAND** (WBID # _____)

I. Introduction

Miss. River

Date & Time (include AM or PM): 7/27/07 1415

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____

Fishing along shoreline

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: *Louis Herget*
Current mailing address: *Granite City, IL*
Daytime phone number: (____) _____
E-mail address (optional): _____

2.a.) Do you live in this area? Yes No

If yes, how many years? *50 yrs*

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No
If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.

FB

2.b.) Proceed to "III. Witnessed Use?."

3.) How do you use the stream?

Fishing only

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Never, most of time No

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). west side of bridge

<i>Secondary Contact Recreation</i>				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Couple of days / wk.

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). Sand bar near Choutauque overlook.

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

<i>Whole Body Contact Recreation</i>			
Swimming <input checked="" type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 7/26/07, mostly when fishing in summer

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). Beach area

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

Summer time during fishing trips

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). Beach area

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input checked="" type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

this summer

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). Beach area where he fishes

Handwritten notes:
2/11/07
2/11/07
2/11/07
2/11/07
2/11/07

Secondary Contact Recreation					
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/>	List: _____

If interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Summer

2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol). chain of rocks area - Beach area
spit jibed jibed with water

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
 Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): April 2007
On-line training seminar? _____
Followed Interview Instruction Sheets? _____
Other centered each area done

Interviewer Information:
Signature: Renee Martin
Printed Name: Renee Martin
Employer (where applicable): MEC WATER
Interviewer's phone #: 443-4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name Chouteau Island (WBID # _____)

MISS. River

I. Introduction

Date & Time (include AM or PM): 07/27/07 1400

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) PAINTING BRIDGE

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) ____, and I am collecting information on how people use __ (name of the stream) ____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: ANDREW SPIRES
Current mailing address: VALLEY PARK, MO
Daytime phone number: (____) _____
E-mail address (optional): _____

2.a.) Do you live in this area? Yes No
If yes, how many years? _____

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No
If yes, how many years? _____
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No
If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No
If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.
NEVER BEEN HERE BEFORE

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

<i>Secondary Contact Recreation</i>				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
 If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? CANOEING, 3 INDIVIDUALS FROM ENGLAND GOING FROM HEADWATERS TO LOUISIANA

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? SUMMER

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). CHOUTEAU ISLAND

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

JP Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? _____

Other: Trained by MEC WATER STAFF who was trained by MDNR

Interviewer Information:

Signature: [Handwritten Signature]

Printed Name: JUSTIN FOTH

Employer (where applicable): MEC WATER

Interviewer's phone #: 443-4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview
Stream Name North River Front (WBID # _____)

MISS. River - MO Side

I. Introduction

Date & Time (include AM or PM): 1530 7/27/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.)
CAME TO US

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) _____, and I am collecting information on how people use __ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name:

Current mailing address: N/A

Daytime phone number: (____) _____

E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream? FISHING

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? years ago

4.b.) Where, exactly? Describe specific location and mark on the map (See map requirements in the protocol). North River Front Stretch

<i>Secondary Contact Recreation</i>				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? years ago

4.d.) Where, exactly? Describe specific location and mark on the map (See map requirements in the protocol). North River Front Park area

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Fishing, Drog Boatings, etc

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Summer

Fishing

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). North river front park

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming | Tubing | Snorkeling/Skin Diving | Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Summer

2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol). North Riverfront park Area

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?)

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee:

2.) From the Interviewer:

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
 Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): April 2007

On-line training seminar? _____

Followed Interview Instruction Sheets? Y

Other _____

Interviewer Information:

Signature: Renee Martin

Printed Name: Renee Martin

Employer (where applicable): MEC WATER

Interviewer's phone #: 573-443-4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 7³⁰ pm 8/4/07

Boat Ramp at
Mill Creek Pump
Station

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____

Boating putting Boat in

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer) _____, and I am collecting information on how people use _____ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: Joe Cillo

Current mailing address: 103 Sunny Hill Blvd St Peters MO 63376

Daytime phone number: (____) _____

E-mail address (optional): _____

2.a.) Do you live in this area? Yes No

If yes, how many years? 30 yrs

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years? 18-20 yrs

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Fishing Boating Wading Swimming

Whole Body Contact Recreation			
Swimming <input checked="" type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 1-2 times per year
Plus "Not very often" per interviewees words

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). North of Ferry P.S. on Illinois side
Where there are sand bars.
Just north of where the channel splits from the River and Chain of Rocks

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 2-3 times per month

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). Put in at Mill Creek 5 miles
5 miles
5 miles

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? No Yes

If yes, proceed to #2.

If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input checked="" type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 3-4 times per year

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). North of where River + Channel split on Illinois side of river on sand shore

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 1-2 Times per Month The

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). From Mill Creek P.S. to 5 miles North or South as the extent of the boaters travel

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming Tubing Snorkeling/Skin Diving Water Skiing

If interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: Trys not to eat the fish often. ← (from the River)
Says alot of fish come up with weird bumps
on their skin.

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
 Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? Yes

Other _____

Interviewer Information:

Signature: [Signature]

Printed Name: James Bruce

Employer (where applicable): MEC Water

Interviewer's phone #: 573 443 4100 E-mail: _____

Boat Ramp at
Mill Creek
Pump Station

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 2:35 PM 8/9/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____
Boater

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer) _____, and I am collecting information on how people use _____ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: Roosevelt Young
Current mailing address: 6334 Ridge Wellston 63135
Daytime phone number: N/A
E-mail address (optional): _____

2.a.) Do you live in this area? Yes No

If yes, how many years? 10 yrs

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years? _____
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream? Fishing Boating Wading

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 7-3 times per month

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). From Mill creek P.S. North about 2 miles and south 2 miles (per interviewees' words)

III. Witnessed Use?

- 1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
 If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed? Fishing Boating Swimming

Whole Body Contact Recreation			
Swimming <input checked="" type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 1 time per month

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). Illinois side of the River
Across from Mill Creek PS where the
Sandy Banks Are

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input checked="" type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 1-2 Times per
Month

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). From 2 miles south of Mill Creek PS
to 2 mile north of Mill Creek PS
(chain of Rocks)

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

<i>Secondary Contact Recreation</i>				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: 2 Boaters it was hot so they were ready to leave. Only interviewed 1

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? Yes

Other _____

Interviewer Information:

Signature: [Signature]
Printed Name: James Bryce
Employer (where applicable): MEC Water
Interviewer's phone #: 573 443 4100 E-mail: _____

Boat Ramp at Mill Creek

Field Data Sheet for Recreational Use Stream Survey Pump Station ON TRUCK

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 1:35 pm 8/4/07

Interviewed: In person By phone By mail

(NOTE: If you are an interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____

Boating

Interviewer introduction to interviewee: "My name is _____, I work for _____ (name of your employer) _____, and I am collecting information on how people use _____ (name of the stream) _____."

"Fishing with Big John Monty & Alec"
Illinois
618
286
5252

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: Big Jon
Current mailing address: Dupont Marine Center
Daytime phone number: (618) 286 5252
E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years? 1 yr

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream? Fishing/Boating

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input checked="" type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 7-8 times/week

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). Along the Mississippi River from

20 miles south of St Louis to Chain of Rocks.

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.

If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed? Fishing + Boating

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 2-3 times per week JB

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). All through the River

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming | Tubing | Snorkeling/Skin Diving | Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: "The Barge Traffic is way too heavy, it would sweep you away"

2.) From the Interviewer: Professional Fisherman with show on channel 8 (charter) Mondays @ 6pm Scaped his boat on concrete to avoid any contact

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
 Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____
On-line training seminar? _____
Followed Interview Instruction Sheets? Yes
Other _____

Interviewer Information:
Signature: [Signature]
Printed Name: James M. Beyer
Employer (where applicable): MEC Water Resources Inc
Interviewer's phone #: 573 443 4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID #) _____

Shoreline
in front of
Ferry Pump Station

I. Introduction

Date & Time (include AM or PM): 8⁴⁵ Am 8/4/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____

Fishing

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) _____, and I am collecting information on how people use __ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: Calin Mays
Current mailing address: 8334 Halls Ferry Rd
Daytime phone number: (N/A)
E-mail address (optional): N/A

2.a.) Do you live in this area? Yes No

If yes, how many years? 30 yrs

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.

Current too strong & Mucky

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream? Secondary - Fishing

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Every Weekend

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? No Yes

If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed? Secondary

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). Fishing Merchants Bridge - J13
to Chain of Rocks

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Every Weekend
except snowy times

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). From Merchants Bridge to
Chain of Rocks

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about? Secondary

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

<i>Secondary Contact Recreation</i>				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
Fishing & Boating every weekend
Wading 1 time a year

2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol).
North of merchants Bridge

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: Water is calm 10' from shore
definitely wadable

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? Yes

Other _____

Interviewer Information:

Signature: James Bryce

Printed Name: James Bryce

Employer (where applicable): MEC Water

Interviewer's phone #: 573 443 4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

River front
Trail Below
Merchants Bridge

I. Introduction

Date & Time (include AM or PM): 8⁴⁸ am 8/4/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____
Fishing

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer) _____, and I am collecting information on how people use _____ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: James Larve
Current mailing address: 5225 Black St Louis MO
Daytime phone number: N/A
E-mail address (optional): _____

2.a.) Do you live in this area? Yes No
If yes, how many years? 2

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No
If yes, how many years?
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No
If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No
If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.
Current too strong - Heavy Barge Traffic
Mucky water

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Every Weekend

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). 100 yards north of Merchants Bridge

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.

If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Every Weekend

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). Along River front trail from Merchants Bridge to Chain of Rocks

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about? Secondary

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Fishing + Boating every weekend
Wading Maybe 1 to 2 times a year

2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol). Below Merchants Bridge

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: Water is calm Wadable
Maybe swim

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? Yes

Other _____

Interviewer Information:

Signature: James Bryce

Printed Name: James Bryce

Employer (where applicable): MEC Water

Interviewer's phone #: 573 443 4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

River Front Trail
Under Merchants
Bridge
(south of Ferry)
P.S.

I. Introduction

Date & Time (include AM or PM): 8³⁴ Am 8/4/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.)
Fishing @ River

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: Clifford Hutchins

Current mailing address: 4132 Washington Apt 310 St Louis 63107

Daytime phone number: N/A

E-mail address (optional): N/A

2.a.) Do you live in this area? Yes No

If yes, how many years? In City

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years? 14 yrs

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

Current to Strong

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 2 times/month

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). Access from Riverfront Trail under merchants Bridge

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes
No
 If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 2x month
(every time he is fishing)

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). Access Below Merchants
Bridge

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
 Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____
On-line training seminar? _____
Followed Interview Instruction Sheets? _____
Other _____

Interviewer Information:
Signature: *James Bryce*
Printed Name: James Bryce
Employer (where applicable): MEC Water
Interviewer's phone #: 573 443 4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ **(WBID #)** _____

River Front Trail
Just North of
McKinley Bridge

I. Introduction

Date & Time (include AM or PM): 9:45 am 8/4/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.)
Fishing in stream

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) __, and I am collecting information on how people use __ (name of the stream) __."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: Irvin Young
Current mailing address: 1921 Arlington St Louis (non driver)
Daytime phone number: (Not given)
E-mail address (optional): _____

2.a.) Do you live in this area? Yes No

If yes, how many years? 3 years

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years? 3 yrs
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream? Secondary (Fishing)

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Every Weekend
Possibly. (Not winter)

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). Under McKinley Bridge through chain of
rocks

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? No Yes

If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed? Secondary

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing: <input checked="" type="checkbox"/>	Wading: <input checked="" type="checkbox"/>	Boating: <input checked="" type="checkbox"/>	Trapping: <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Every Weekend
Wading only in low tide with no Barges @

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). Between McKinley Bridge & Chain of Rocks

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about? Secondary

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
Fishing + Boating 2-3 times a week
Wading 1 time a month

2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol).
Between McKinley Bridge and Chain of Rocks

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: McKinley Bridge under construction

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____
On-line training seminar? _____
Followed Interview Instruction Sheets? _____
Other _____

Interviewer Information:

Signature: James Bryce
Printed Name: James Bryce
Employer (where applicable): MEC Water
Interviewer's phone #: 573 443 4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

River front trail
under McKinley
Bridge (1/4 mile
from ferry P.S.)

I. Introduction

Date & Time (include AM or PM): 9:45 AM 8/4/07

Interviewed: In person By phone By mail

(NOTE: If you are an interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____
Fishing

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: Willie Echols

Current mailing address:

Daytime phone number: (Not Given)

E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years? 18

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

No swimming, it is very dangerous, prefers
Detroit's Rivers.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream? Secondary

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Every Weekend
2 times a week (Wading only when tide is low)

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). Between McKinley Bridge & Chain of Rocks

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? No Yes

If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed? Secondary

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Every Weekend
2-3 times a week

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). From Downtown North to
Chain of Rocks

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about? Secondary

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?, season?, only after a rain?) and how often (times/year)?
Fishing and Boating Every Weekend
Wading only when the tide is low

2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol).
From Downtown to Chain of Rocks

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?)

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee:

2.) From the Interviewer: McKinley Bridge under construction
see access photos

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
 Yes No If yes, how (check all that apply):
Workshop? (if so, enter date):
On-line training seminar?
Followed Interview Instruction Sheets? Yes
Other

Interviewer Information:
Signature: [Signature]
Printed Name: James Bryce
Employer (where applicable): MEC Water
Interviewer's phone #: 573 443 4100 E-mail:

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name BISSEL POINT (WBID #)

I. Introduction

Date & Time (include AM or PM): 8-2-07 12:35 PM

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) Biking

Interviewer introduction to Interviewee: "My name is _____, I work for (name of your employer), and I am collecting information on how people use (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: REQUESTED NAME NOT USED

Current mailing address: CHICAGO - HERE FOR SOFT BALL TOURNAMENT

Daytime phone number: (____) _____

E-mail address (optional): _____

2.a.) Do you live in this area? Yes No
If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No
If yes, how many years?
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No
If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No
If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 17, 1975 - 1982, 18

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 1975 - 1982, 18

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming | Tubing | Snorkeling/Skin Diving | Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Handwritten notes:
1975-1976
1977-1978
1979-1980
1981-1982
1983-1984
1985-1986
1987-1988
1989-1990
1991-1992
1993-1994
1995-1996
1997-1998
1999-2000
2001-2002
2003-2004
2005-2006
2007-2008
2009-2010
2011-2012
2013-2014
2015-2016
2017-2018
2019-2020
2021-2022
2023-2024
2025-2026
2027-2028
2029-2030
2031-2032
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2067-2068
2069-2070
2071-2072
2073-2074
2075-2076
2077-2078
2079-2080
2081-2082
2083-2084
2085-2086
2087-2088
2089-2090
2091-2092
2093-2094
2095-2096
2097-2098
2099-2100

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Summer

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). St Louis Area

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? ✓

Other MEC Water staff trained by MDNR

Interviewer Information:

Signature: [Signature]

Printed Name: JUSTIN FORT

Employer (where applicable): MEC WATER

Interviewer's phone #: 573.448.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name BISSEL POINT (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 08/02/07 12:21

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream, standing by stream, etc.) 2110 W. MISSOURI

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: AARON
Current mailing address: SOUTH COUNTY
Daytime phone number: _____
E-mail address (optional): _____

2.a.) Do you live in this area? Yes No

If yes, how many years? 19

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No
If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.

COLOR, CURRENT

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

-BIKE ON RIVERSIDE TRAIL BUT NOT ACTUALLY USE RIVER

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? SPRING, SUMMER, FALL
2-3 times per year

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). WEEKLY ON BIKE

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
3-4 times per year

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? WHILE BIKING

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Handwritten notes and scribbles at the bottom of the page, including "BIB. THIS. 888" and other illegible markings.

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? SPRING, FALL, WHEN FISH ARE ABUNDANT

2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol). ALL ALONG THE TRAIL

POUNCE FISH

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? Y

Other MEC WATER STAFF TRAINED BY MDNR

Interviewer Information
Signature: [Signature]
Printed Name: JUSTIN R FOTH
Employer (where applicable): MEC WATER
Interviewer's phone #: 573.443.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

I. Introduction BISSEL POINT

Date & Time (include AM or PM): 13:03 8/02/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) BIKING ON TRAIL

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) ____, and I am collecting information on how people use __ (name of the stream) ____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: REQUESTED NAME NOT USED

Current mailing address: TENNESSEE

Daytime phone number: (____) _____

E-mail address (optional): _____

2.a.) Do you live in this area? Yes No

If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

NOT FROM AROUND HERE

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 10-11/yr

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). Downstream

Secondary Contact Recreation					
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/>	List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Handwritten notes:
10/11/07
MEC WATER
2013.04.03

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? Y

Other Mec water stuff trained by MDNR

Interviewer Information:

Signature: [Signature]

Printed Name: JUSTYN FOTTI

Employer (where applicable): MBC WATER

Interviewer's phone #: 573.443.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name BISSEL POINT (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 8/2/07 12:35

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) BIKING

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) __, and I am collecting information on how people use __ (name of the stream) __."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: _____

Current mailing address: NAME REQUESTED NOT USED CHICAGO - HERE FOR SOFTBALL TOURNAMENT

Daytime phone number: (____) _____

E-mail address (optional): _____

2.a.) Do you live in this area? Yes No
If yes, how many years? _____

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No
If yes, how many years? _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 28:51 10:218

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). 112

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

- 1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
- If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s); season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming Tubing Snorkeling/Skin Diving Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s); season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

11/15/07
1307W
9014.SPP.874

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? Y

Other ~~Stacy Hanna~~ MEC WATER STAFF Trained by MDNR

Interviewer Information:

Signature: [Handwritten Signature]

Printed Name: JUSTIN FOHL

Employer (where applicable): MEC WATER

Interviewer's phone #: 573.443.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name ARCH RIVER FRONT (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 16:55 8/5/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.): WARNING
NEAR RIVER

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) __, and I am collecting information on how people use __ (name of the stream) __."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: ALEX ROBERTS
Current mailing address: FENTON
Daytime phone number: (____) _____
E-mail address (optional): _____

2.a.) Do you live in this area? Yes No

If yes, how many years? 21

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

DANGEROUS - CURRENT, CONTAMINATED, DIRTY

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

ONLY COME DOWN HERE TO WATCH CONCERTS
UNDER THE ARCH OR WHEN RELATIVES VISIT

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

1975-1978

20-30

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

South of [unclear]

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input checked="" type="checkbox"/>	Tubing <input checked="" type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

20 MINS AGO, KIDS THROWING ROCKS IN RIVER

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). ARLH RIVER FRONT

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming Tubing Snorkeling/Skin Diving Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

THIS IS THE
LOCATION
FOR THE
WBCR USE

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets?

Other MEC WATER STAFF

Interviewer Information:

Signature: [Signature]

Printed Name: JUSTYN FOLT

Employer (where applicable): MECWATER

Interviewer's phone #: 573.443.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 1 PM July 4, 2007 - jc

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____

Parking Garage Attendant Near River

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: Shafique Fatwily

Current mailing address: _____

Daytime phone number: (____) _____ same as card St Louis Parking

E-mail address (optional): _____

2.a.) Do you live in this area? Yes No

If yes, how many years? 5

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years? _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

Not clean or safe

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed? *Secondary only*

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? *JB*
~~7 times a week fishing and wading knee deep~~ *Secondary*

fishing wading

pa (2)

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 1 time a week
year round

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming | Tubing | Snorkeling/Skin Diving | Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

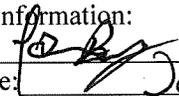
VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
 Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____
On-line training seminar? _____
Followed Interview Instruction Sheets? _____
Other _____

Interviewer Information:
Signature:  _____
Printed Name: James Bryce
Employer (where applicable): MEC Water
Interviewer's phone #: 573 299 9236 E-mail: jbryce@mecwater.com

①

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 11:00 AM July 4, 2007 -jc

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____

Parking Lot Attendant - Admiral Lot

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: Chris C. (won't provide last)

Current mailing address: _____

Daytime phone number: (314) 241-7777 - Employer St. Louis Parking Co.

E-mail address (optional): _____

2.a.) Do you live in this area? Yes No working at Parking Lot

If yes, how many years? 2 - Every week day shift - 7:30 - 2 PM

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years? Jan '01

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

High turbidity

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Fishing - One
fisherman fallen in January - car slid into river due
to ice. JRS - Observed use

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
 No
 If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed? Secondary only, no WBCR

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? None

①

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? *Fishing - once/wk all year long, one fisherman fell in (drown), car went into river Jan. '07 due to ice. at night. Speed boat once per day, probably agency*

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). *@ Admiral*

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

Riverfront garage attendant

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? _____

Other _____

Interviewer Information:

Signature: [Signature]

Printed Name: Trant Stober

Employer (where applicable): MEC Water Resources

Interviewer's phone #: 573-443-4100 E-mail: Tstober@mecwater.com

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name Miss. River (WBID # _____)

I. Introduction St. Louis Arch area

Date & Time (include AM or PM): 10:15 7/27

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) NO WATER COLLECTING ROCKS

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) _____, and I am collecting information on how people use __ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: KARIN DIONNE

Current mailing address: CT

Daytime phone number: (____) _____

E-mail address (optional): _____

2.a.) Do you live in this area? Yes No
If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No
If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

<i>Secondary Contact Recreation</i>				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? _____

Other MEC water staff trained by MDNR

Interviewer Information:

Signature: [Handwritten Signature]

Printed Name: JUSTIN FOTCH

Employer (where applicable): MEC WATER

Interviewer's phone #: 573-443-4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name Miss. River (WBID # _____)

I. Introduction

St. Louis Arch Area MISSOURI STATE 72917

Date & Time (include AM or PM): 10:05 AM 7/27/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) FISHING

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer) _____, and I am collecting information on how people use _____ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: ADRIAN ROBERSON
Current mailing address: 414 531 7901
Daytime phone number: (____) _____
E-mail address (optional): _____

2.a.) Do you live in this area? Yes No
If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No
If yes, how many years?
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No
If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No
If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.
FISHING ~30mins

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

FISHING

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? TODAY
FIRST TIME FISHING
FISHING MA 20:00

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). ARCH RIVER FRONT, BY BARGES
POINT

<i>Secondary Contact Recreation</i>				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 100-150 1-2 3-4
times/year

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). BL

III. Witnessed Use?

- 1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
 If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? GOING GAMBLING
2-3 TIMES PER WEEK
POINT

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). CASINOS ON THE RIVER FRONT

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? TODAY

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). NBAR WHERE HE IS FISHING

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

Handwritten notes:
1-10-07
1-10-07
1-10-07
1-10-07
1-10-07
1-10-07
1-10-07
1-10-07
1-10-07
1-10-07

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

Major

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? _____

Other MEC WATER STAFF Trained by MDNR

Interviewer Information:

Signature: [Signature]

Printed Name: JUSTIN FOTI

Employer (where applicable): MEC WATER

Interviewer's phone #: 573-443-4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

I. Introduction

Miss. River - Near Arch - Landj

Date & Time (include AM or PM): 07/27/07 11:55

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) LAUNCHING BOAT

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer) _____, and I am collecting information on how people use _____ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name:
Current mailing address:
Daytime phone number: (____) _____
E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years? 40

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No
If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.

DANGEROUS, CURRENT

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream? FISHING, SWIM IN OTHER PARTS

<i>Whole Body Contact Recreation</i>			
Swimming <input checked="" type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? NEAR GRANITE CITY ILLINOIS

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

<i>Secondary Contact Recreation</i>				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? SUMMER

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). NEAR GRANITE CITY ILLINOIS

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.

If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? FISH, BOAT FISHING

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). GRANITE CITY ILLINOIS / FURTHER UPSTREAM

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? TODAY

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). UPSTREAM

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? SPRING + SUMMER

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). MOSTLY NORTH OF ST. LOUIS AREA

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
 Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____
On-line training seminar? _____
Followed Interview Instruction Sheets? _____
Other Trained by MEC WATER STAFF trained by MDNR

Interviewer Information:
Signature: [Signature]
Printed Name: JUSTYN R FOTH
Employer (where applicable): MEC WATER RESOURCES
Interviewer's phone #: 573 445-4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name Miss. R. (WBID #)

I. Introduction

Date & Time (include AM or PM): 7/27/07 11:15

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) FISHING LAUNCHING BOAT

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer) _____, and I am collecting information on how people use _____ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No

If yes, list contact information for the interviewee below:

Legal name:

Current mailing address:

Daytime phone number:

E-mail address (optional):

Luke Eggering
10 East Way Ct. Maryville IL
(314) 576-7330
Luke.Eggering@Parsons.com 62062

2.a.) Do you live in this area? Yes No

If yes, how many years?

MARYVILLE IL

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

FISHING TOO DANGEROUS, CURRENT, TRASH
DIRTY WATER

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

FISHING, WORKS FOR ARMY CORPS

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? FISHING, WORKS
~~FOR ARMY CORPS, ALL YEAR ROUND, ON THE RIVER~~
REGULARLY

4.b.) Where, exactly? Describe specific location and mark on the map (See map requirements in the protocol). ARLH RIVERFRONT

<i>Secondary Contact Recreation</i>				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975; ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? TO DAY, SUMMER

4.d.) Where, exactly? Describe specific location and mark on the map (See map requirements in the protocol).

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). MCKINLEY BRIDGE SOUTH

Signature

Secondary Contact Recreation					
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/>	List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 1 BOAT FISHING
BANK FISHING

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol).

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

Signature

<i>Secondary Contact Recreation</i>					
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/>	List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? SUMMER

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol).

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? _____

Other Trained by MEC WATER STAFF Trained by MDNR

Interviewer Information:

Signature: [Signature]

Printed Name: JUSTIN FOLEY

Employer (where applicable): MEC WATER

Interviewer's phone #: 573-443-4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name LACUEVES LANDINA/LOUIS & CLARK STATUE (WBID #)

I. Introduction

Date & Time (include AM or PM): 16:09 8/5/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) BOYSCOUT TROOP PLAYING IN/NEAR WATER

Interviewer introduction to Interviewee: "My name is _____, I work for (name of your employer) _____, and I am collecting information on how people use (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: REQUEST NAME NOT USED

Current mailing address:

Daytime phone number: (____) _____

E-mail address (optional):

2.a.) Do you live in this area? Yes No
If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No
If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

DANGEROUS - CURRENT DEBRIS

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? KIDS THROWING STUFF: 10 MINS BEFORE

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). BY LEWIS & CLARK STATUE

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No
If yes, proceed to #2.
If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____
On-line training seminar? _____

Followed Interview Instruction Sheets?

Other MEC WATER STAFF

Interviewer Information:
Signature: [Signature]
Printed Name: JUSTYN FOHL
Employer (where applicable): MEC WATER
Interviewer's phone #: 573.443.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name MISS. RIVE (WBID # _____)

I. Introduction near St. Louis Arch

Date & Time (include AM or PM): 09:59

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) DOWN HERE
DAILY PICKING UP DEBRIS

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: CITY OF ST LOUIS EMPLOYEES

Current mailing address:

Daytime phone number: (____) _____

E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years? 32

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3. NO RECREATION

If no, proceed to #2.

2.a.) List reasons stream not used.

MUDDY DIRTY WATER - DEBRIS, CONTAMINATED, SWIFT

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream? NO RECREATION

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

<i>Secondary Contact Recreation</i>				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed? SWIMMING/WADING

<i>Whole Body Contact Recreation</i>			
Swimming <input checked="" type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? SUMMER, WHEN TOURISTS VISIT ARCH

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). BELOW ARCH RIVERFRONT

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input checked="" type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s); season?; only after a rain?) and how often (times/year)? ALL THE TIME
BOATING TOURS

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). ARCH RIVER FRONT

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s); season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Handwritten notes:
77107
WBCR
USE - THE RIVER

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol).
_____ *Spring Hill* _____ *Spring Hill*

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
 Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____
On-line training seminar? _____
Followed Interview Instruction Sheets? _____
Other *MEC water staff trained by MDRR* _____

Interviewer Information:
Signature: *[Signature]*
Printed Name: *JUSTIN FORT*
Employer (where applicable): *MEC WATER*
Interviewer's phone #: *573-443-4100* E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

ARCH RIVER FRONT

I. Introduction

Date & Time (include AM or PM): 14:33 8/5/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) THROWING
ROCKS IN RIVER

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer) _____, and I am collecting information on how people use _____ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: REQUEST NAME NOT USED

Current mailing address: TENNESSEE

Daytime phone number: (____) _____

E-mail address (optional): _____

2.a.) Do you live in this area? Yes No
If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No
If yes, how many years?
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No
If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

NOT FROM AROUND HERE

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming Tubing Snorkeling/Skin Diving Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? _____

Other MEC WATER STAFF

Interviewer Information:

Signature: [Signature]

Printed Name: JUSTYN FORTY

Employer (where applicable): MEC WATER

Interviewer's phone #: 573.443.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name Mississippi River - Cliff Cave (WBID # _____)
pk.

I. Introduction

Date & Time (include AM or PM): 7/20/07 13:30

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) ____, and I am collecting information on how people use __ (name of the stream) ____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: James Kelly, Tim Hamman (younger gent.)

Current mailing address: Arnold, MO

Daytime phone number: (____) _____

E-mail address (optional): _____

2.a.) Do you live in this area? Yes No

If yes, how many years? 16 - James, ~ 10 - Tim

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Fishing, Tim - Jet ski

James & Tim

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

<i>Secondary Contact Recreation</i>				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? *Once/twice year, start on Meramec, have gone to Arch. Operate PWCs so as not to fall off*

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). *Meramec to Arch*

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? "Handfull" over last few years near Meramec, More numerous near Alton.

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

<i>Secondary Contact Recreation</i>				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Entire area (fishing), boating during summer

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: Does not consider river safe to swim, when using PWC they actually tie themselves to the PWCs in case they would fall off. Reasons for not swimming - would swim in it otherwise current, under tow

2.) From the Interviewer: Approximate age of interviewees: James = 65+, Tim = 21

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
 Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? yes

Other _____

Interviewer Information:

Signature: Cassidy Luebbering

Printed Name: Cassidy Luebbering

Employer (where applicable): MEC Water

Interviewer's phone #: 573 443-4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name CLIFF CAVE (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 15:45 8/1/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) WALKING ON TRAIL BY RIVER

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) __, and I am collecting information on how people use __ (name of the stream) __."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: BRENT PORTELL

Current mailing address:

Daytime phone number: (____) _____

E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years?

22

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years? 11 MONTHS SINCE I AM HERE

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

WOULDN'T SWIM BECAUSE OF CURRENT AND COLOR OF WATER

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

FISHING

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? SPRING 7-11
MONTHS

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).
DOWNSTREAM DOWN THE RIVER

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? SPRING, EVERY COUPLE
OF YEARS

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). BY MERAMEC RIVER MOUTH

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.

If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?
2011/2012

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? ALL SUMMER LONG EVERY TIME WE COME DOWN HERE

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Handwritten notes and scribbles at the bottom of the page, including "MISSISSIPPI RIVER" and "2007-11-10".

<i>Secondary Contact Recreation</i>				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? ALL YEAR LONG, DEPENDS ON HUNTING OR FISHING SEASONS

2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol) 2001 S. BARNETT AVE
3901 CEDAR ST. ST. LOUIS MO 63111

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets?

Other Mec water staff trained by MDNR

Interviewer Information:

Signature: [Signature]

Printed Name: JUSTIN FISH

Employer (where applicable): MEC WATER

Interviewer's phone #: 573.443.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 13:10 7/4/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) In parking lot at Cliff Cave Park

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) _____, and I am collecting information on how people use __ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name:

Current mailing address:

Daytime phone number: (____) _____

E-mail address (optional):

None provided, just off bike trail, 90+°F wife in car truck waiting

2.a.) Do you live in this area? Yes No

If yes, how many years? All life - 30 yrs.

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input checked="" type="checkbox"/> List: <u>Duck hunting</u>

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Several years ago as kid.

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List: _____

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 1 a frequently

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming | Tubing | Snorkeling/Skin Diving | Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

<i>Secondary Contact Recreation</i>				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____
On-line training seminar? _____
Followed Interview Instruction Sheets? _____
Other _____

Interviewer Information

Signature: *Trent Stoker*
Printed Name: Trent Stoker
Employer (where applicable): MEC Water Resources
Interviewer's phone #: 573-443-4100 E-mail: tstoker@mecwater.com

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 13:20 - 7/4/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) Baliking, pulled up to observation area.

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) ____, and I am collecting information on how people use __ (name of the stream) ____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: None provided

Current mailing address:

Daytime phone number: (____) _____

E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years? 20 yrs

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?"

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?"

3.) How do you use the stream? Fishing, biking, enjoying scenery

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? No, current too dangerous even to cool off, stream would be different

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Hasn't for two yrs. before 1-2 times year, more of waste time

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). At park area, before park become more improved.

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? Couple of people
over last year - Spring

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). Near pgs. lot

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming | Tubing | Snorkeling/Skin Diving | Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? _____

Other _____

Interviewer Information:

Signature: Trent Stober

Printed Name: Trent Stober

Employer (where applicable): MEC Water Resources

Interviewer's phone #: 573-443-4100 E-mail: tstober@mecwater.com

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (WBID # _____)

CLIFF CAVE COUNTY PARK

I. Introduction

Date & Time (include AM or PM): 14:05 08/01/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: **REQUESTED NAME NOT USED**

Current mailing address:

Daytime phone number: (____) _____

E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years? **10**

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

**USE THE TRAIL IN PARK BUT NOT THE RIVER
DANGEROUS - CURRENT, DIRTY - TRASH, DEBRIS**

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

YEAR 1980 WAS THIS

FALL 1980 20:11

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

01

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.
If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? MASSIVE

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming | Tubing | Snorkeling/Skin Diving | Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Handwritten notes:
HRS
SISTAW
LWZL
MKS
0014.814.892

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? SUMMER

2.d.) Where, exactly? Describe specific location and mark on the (See map requirements in the protocol). UPSTREAM

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? ✓

Other MEC water staff trained by MDNR

Interviewer Information:

Signature: [Signature]

Printed Name: JUSTIN FOTH

Employer (where applicable): MEC WATER

Interviewer's phone #: 573.448.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name BEE TREE COUNTY PARK (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 08/01/07 12:17

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) WALKING ON BLUFF TRAIL

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: REQUESTED NAME NOT BE USED

Current mailing address:

Daytime phone number: (____) _____

E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years? 15

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?"

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

- DANGEROUS CURRENT
- PARK SAFER & OFFERS VIEW OF RIVER

2.b.) Proceed to "III. Witnessed Use?"

3.) How do you use the stream?

Whole Body Contact Recreation

Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>
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If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

FIRST FOLLOW UP

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

MAY 17 1988

Secondary Contact Recreation

Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/>	List: _____
----------------------------------	---------------------------------	----------------------------------	-----------------------------------	---------------------------------	-------------

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

III. Witnessed Use?

- 1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
 If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?".
- 2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation

Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>
-----------------------------------	---------------------------------	---	---------------------------------------

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input checked="" type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input checked="" type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

DURING THE SUMMER

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Handwritten notes:
14707 APR 2006
9317.0033W
0013.814.812

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? SUMMER

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

SUMMER

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? Y

Other Mec Water Staff Trained by MDNR

Interviewer Information:

Signature: [Signature]

Printed Name: JUSTYN FOH

Employer (where applicable): MEC WATER

Interviewer's phone #: 573.443.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name _____ (**WBID #** _____)

I. Introduction

Date & Time (include AM or PM): 6/28/2007 4:30PM

Interviewed: In person By phone By mail
(NOTE: If you are an interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____
Avid paddler in St. Louis area - Stream Teach.org

Interviewer introduction to Interviewee: "My name is Rob Kravitz, I work for MEC Water Resources (name of your employer) _____, and I am collecting information on how people use the Mississippi River (name of the stream) _____."

ASK: _____ the Mississippi River near St. Louis

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: Herman Smith
Current mailing address: _____
Daytime phone number: (314) 725-1907
E-mail address (optional): hwsmith@umsr.edu

2.a.) Do you live in this area? Yes No
If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No
If yes, how many years?
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No
If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No
If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?
Avid Kayaker at Chain of Rocks and Mosen Rein Island. Put in at Chain of Rocks
bridge and take out at North River front park.

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? July - Dec. when
water level <9' at Chain of Rocks

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

Chain of Rocks, Moser Thein Island (wing dike breaks) Put in at Chain of Rocks Bridge
take out at North River Park. Class III and IV rapids, so often immerse

Secondary Contact Recreation					
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/>	List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

see above

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.

If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input checked="" type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? summer when river is low and sand bars are present near Chain of Rocks & Moser Thein Island. See 5-10 swimmers on occasion. Some camping observed.

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

_____ sand bars near Chain of Rocks and Mosen ^Thein Island. _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List: _____

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____
same as above

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

same as above

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming Tubing Snorkeling/Skin Diving Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation					
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>	List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____
see website www.streamteach.org

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: Some paddling on Meramac and a few "kamilkaz" paddes on stream after heavy rains.

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? yes

Other _____

Interviewer Information:

Signature: _____

Printed Name: Robert A. Kravitz

Employer (where applicable): MEC Water Resources

Interviewer's phone # 573-443-4100 E-mail: rkravitz@mecpc.com

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name BISSEL POINT (WBID #)

I. Introduction

Date & Time (include AM or PM): 11:45 08/05/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) BANK FISHING
& DROVE CAR ON TRAIL

Interviewer introduction to Interviewee: "My name is _____, I work for (name of your employer) _____, and I am collecting information on how people use (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: IGNORED WHEN ASKED IF HE WOULD MIND TALKING

Current mailing address: SURVEY

Daytime phone number: (____) _____

E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

<i>Secondary Contact Recreation</i>				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.

If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

<i>Secondary Contact Recreation</i>				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List: _____

If interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets?

Other MEC WATER STAFF

Interviewer Information:

Signature: [Signature]

Printed Name: JUSTIN FOLT

Employer (where applicable): MEC WATER

Interviewer's phone #: 573.443.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Boat Ramp
at Mill Creek
Pump Station

Stream Name _____ (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 3:59 PM 8/8/07 - JB

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) _____

Boating - Docking Boat

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) ____, and I am collecting information on how people use __ (name of the stream) ____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No

If yes, list contact information for the interviewee below:

Legal name:

Current mailing address:

Daytime phone number: (____) _____

E-mail address (optional): _____

- Security Guard was closing gate labeled No Access
Clear sign to leave, The Dock was closing

2.a.) Do you live in this area? Yes No

If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.

If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming | Tubing | Snorkeling/Skin Diving | Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? Yes

Other _____

Interviewer Information:

Signature: [Signature]

Printed Name: James Royce

Employer (where applicable): MEC Water

Interviewer's phone #: 573 443 4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name ARH RIVERFRONT (WBID # _____)

I. Introduction

Date & Time (include AM or PM): 10:46 07/31/07

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) SITTING BY WATER

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name:

Current mailing address:

Daytime phone number: (____) _____

E-mail address (optional):

FOREIGN TOURISTS DIDNT SPEAK ENGLISH

2.a.) Do you live in this area? Yes No

If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? 1980-1981 1/200
10/2/80 1/200

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). 1/2 mile
1/2 mile

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: <u>X</u>

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol).

III. Witnessed Use?

- 1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
 If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?"

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)?

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing Wading Boating Trapping Other: List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s); season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming Tubing Snorkeling/Skin Diving Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s); season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

11/15/07
C. STANLEY
800.414.8870

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? Y

Other Mec Water stuff trained by MDNR

Interviewer Information:

Signature: [Handwritten Signature]

Printed Name: JUSTIN FOHL

Employer (where applicable): MEC WATER

Interviewer's phone #: 573.443.4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name Miss. R. (**WBID #** _____)

I. Introduction

Arch-laudig

Date & Time (include AM or PM) 7/27/07 11:20

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) FISHING

Interviewer introduction to Interviewee: "My name is _____, I work for _____ (name of your employer), and I am collecting information on how people use _____ (name of the stream)."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name: IGNORED BY TWO INDIVIDUALS FISHING AT BOAT LAUNCH
Current mailing address: _____
Daytime phone number: (____) _____
E-mail address (optional): _____

2.a.) Do you live in this area? Yes No
If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No
If yes, how many years?
If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No
If yes, proceed to "II. Personal Use?".
If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No
If yes, proceed to #3.
If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List: _____

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No
 If yes, proceed to #2.
 If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List: _____

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming | Tubing | Snorkeling/Skin Diving | Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List: _____

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?
 Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____
On-line training seminar? _____
Followed Interview Instruction Sheets? _____
Other Trained by MEC WATER STAFF TRAINED BY MDNR

Interviewer Information:
Signature: [Signature]
Printed Name: JUSTIN FOTH
Employer (where applicable): MEC WATER
Interviewer's phone #: 573-443-4100 E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name Miss. River (**WBID #** _____)

I. Introduction St. Louis Arch

Date & Time (include AM or PM): 07/27/07 09:58

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) BY WATER - NEAR ARCH

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) ____, and I am collecting information on how people use __ (name of the stream) ____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name:

Current mailing address:

Daytime phone number: (____) _____

E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee (or family) used the stream for WBCR since Nov. 28, 1975, ask:

4.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

<i>Secondary Contact Recreation</i>				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee (or family) used the stream for SCR since Nov. 28, 1975, ask:

4.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

4.d.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

III. Witnessed Use?

1.) Have you observed others using this stream for recreation since Nov. 28, 1975? Yes No

If yes, proceed to #2.

If no, proceed to, "IV. Anecdotal Use?".

2.) What kinds of uses have you witnessed?

<i>Whole Body Contact Recreation</i>			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee witnessed WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation				
Fishing <input type="checkbox"/>	Wading <input type="checkbox"/>	Boating <input type="checkbox"/>	Trapping <input type="checkbox"/>	Other: <input type="checkbox"/> List:

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation			
Swimming <input type="checkbox"/>	Tubing <input type="checkbox"/>	Snorkeling/Skin Diving <input type="checkbox"/>	Water Skiing <input type="checkbox"/>

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Handwritten notes:
1751 11/20/07
45100 33W

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):
Workshop? (if so, enter date): _____
On-line training seminar? _____

Followed Interview Instruction Sheets? _____
Other MEC WATER STAFF TRAINED BY MONR

Interviewer Information
Signature: [Signature]
Printed Name: JUSTIN FOTH
Employer (where applicable): MEC WATER
Interviewer's phone #: _____ E-mail: _____

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

Stream Name MISSISSIPPI RIVER (WBID # _____)
CLIFF CAVE COUNTY PARK

I. Introduction

Date & Time (include AM or PM): 07/26/07 13:40

Interviewed: In person By phone By mail

(NOTE: If you are an Interviewee filling out this form to mail back to DNR, proceed to Question #1.)

Interviewee selected because (e.g., house next to stream; standing by stream, etc.) PLAYING IN RIVER
DECLINED INTERVIEW

Interviewer introduction to Interviewee: "My name is _____, I work for __ (name of your employer) _____, and I am collecting information on how people use __ (name of the stream) _____."

ASK:

1.) Are you willing to respond to a survey about this stream? (It will just take a few minutes.)

Yes No If yes, list contact information for the interviewee below:

Legal name:

Current mailing address:

Daytime phone number: (____) _____

E-mail address (optional):

2.a.) Do you live in this area? Yes No

If yes, how many years?

2.b.) If you don't live nearby, are you still familiar with this stream? Yes No

If yes, how many years?

If no, thank the individual for taking the time to talk to you and conclude the interview.

3.) Are you familiar with this particular stretch of the stream? (show them the map, pointing out local landmarks such as roads, bridges, property lines) Yes No

If yes, proceed to "II. Personal Use?".

If no, proceed to Section V.

II. Personal Use?

1.) Have you or your family personally used the stream for recreation since November 28, 1975?

Yes No

If yes, proceed to #3.

If no, proceed to #2.

2.a.) List reasons stream not used.

2.b.) Proceed to "III. Witnessed Use?".

3.) How do you use the stream?

2.b.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List: _____

If Interviewee witnessed SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the map* (Seemap requirements in the protocol). _____

IV. Anecdotal Use?

1.) Have you heard about anyone using this stream since Nov. 28, 1975 for recreation – not seen or done yourself, but just heard about it? Yes No

If yes, proceed to #2.

If no, thank the individual for taking the time to talk to you and conclude the interview.

2.) What kind of uses have you heard about?

Whole Body Contact Recreation

Swimming | Tubing | Snorkeling/Skin Diving | Water Skiing

If Interviewee heard of WBCR use since Nov. 28, 1975, ask the following questions:

2.a.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.b.) Where, exactly? Describe specific location *and mark on the map* (See map requirements in the protocol). _____

Handwritten notes:
#104 4/12/07
SIBTAW JSM
0010 244.882

Secondary Contact Recreation

Fishing | Wading | Boating | Trapping | Other: List:

If Interviewee heard of SCR use since Nov. 28, 1975, ask the following questions:

2.c.) When did these uses take place (e.g., year(s)?; season?; only after a rain?) and how often (times/year)? _____

2.d.) Where, exactly? Describe specific location *and mark on the* (See map requirements in the protocol). _____

V. Others to Contact?

Can you recommend someone else we could contact that knows the stream? Yes No
If yes, that person's contact info (name, address, phone, directions?) _____

If no, thank the individual for taking the time to talk to you and conclude the interview.

VI. Additional Comments

1.) From the Interviewee: _____

2.) From the Interviewer: _____

VII. Information on Interviewer

Has interviewer been trained by Missouri DNR to conduct UAA Interviews?

Yes No If yes, how (check all that apply):

Workshop? (if so, enter date): _____

On-line training seminar? _____

Followed Interview Instruction Sheets? _____

Other MEC WATER STAFF TRAINED BY MDNR

Interviewer Information:

Signature: [Handwritten Signature]

Printed Name: JUSTIN FOTH

Employer (where applicable): MEC WATER

Interviewer's phone #: 573.443.4100 E-mail: -

APPENDIX D

Recreational Use Field Observation Sheets

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Mississippi River Use Attainability Analysis
Site Survey (Reconnaissance) Field Sheet

Location: Ferry Pk / Nature Center Date: 8/04/07
 Beginning Time: 8:16 AM Ending Time: 12:10 PM

Collector: James Bryce

Activity Record			
Time	Activity (Barge, Boating, PWC, Skiing, Swimming, Fishing)	Photo Number(s)	Comments
8:16	Barge + Rec Boat	4 + 5	
8:17	Access	3	Stairs way to River
8:25	Access	9	
8:26	Fishing	10	2 Fisherman
8:30	Fishing	11 12	Under overpass to Bridge (caught 2lb catfish)
8:30	Access	13 14	Water calm at street
9:00 AM	2 Barges	15 + 16	Under overpassets Bridge
9:23 AM	Barge	17	Heavy Bicycle Traffic (20/hr)
9:30 AM	2 Fisherman	18	Under McKinley Bridge
9:56 AM	Barge	19	Next McKinley Bridge
10:10 AM	2 Fisherman	20	Next McKinley Bridge
10:20 AM	Barge	21	Intersection Don't know how they got down there
10:40 AM	Bike Traffic	22 23	Bicycle Traffic can't see a way to get there
10:40 AM	Netting Trapping ^{more} _{gopher}	24	on Illinois side
11:05 AM	Log	25	
11:10 AM	Barge	26	
11:25 AM	Barge	27	
11:25 AM	Barge		From Arrival - 11 AM interviewed
			Fisherman along River Front Trail
			Stayed at Visitor Center for an hour.
			Due to excessive heat, Fishers were
			understandably unwilling to be
			surveyed

Mississippi River Use Attainability Analysis
 Site Survey (Reconnaissance) Field Sheet

Date: 07/27/2007
 Beginning Time: 07:50
 Collector: RENEE MARTIN & JUSTIN FOTH

Location: LACUEDE'S LANDING / ARCH RIVER FRONT
 Ending Time: 11:00 ~~12:15~~ PM

Time	Activity (Barge, Boating, PWC, Skiing, Swimming, Fishing)	Photo Number(s)	Activity Record	Comments
07:50	FISHING/BOATING			SMALL JOHN BOAT NORTH BOUND NEAR PRESIDENT CASINO
07:52	BARGE	1		16 BARGES TUG NORTH BOUND
08:20	BARGE	2		2 BARGES + TUG NORTH BOUND
09:10	BARGE	4		1 BARGE + TUG SOUTH BOUND
09:18	TRUCK			TRUCK DRIVING ON COBBLE WATER FRONT
09:55	SITE SEEING			2 PEOPLE
09:56	PLAYING IN WATER	10		3 KIDS + MOM PLAYING IN RIVER - WITH A STICK
09:58	WRITING	9		WRITING IN SAND NEAR RIVER IN COBBLESTONE
09:59	INTERVIEW	9		3 CITY WORKERS
10:05	INTERVIEW	10		MAN FROM IWI FISHING
10:10	TOURIST	7		FAMILY OF 5
10:12	TOURIST			3
10:14	TOURISTS - INTERVIEW			2
10:17	TUG			1 TUG NORTH BOUND
11:02	Tug + Barge			1 Tug + Barge South
11:02	Fishing Boat	17 + 13		Heading South bound to boat ramp w/ 2 adults + 2 children
11:10	Barge + Tug			16 Barges + 1 tug heading North bound
11:10	RIVERBOAT STEAMER/PADDLE WHEEL	14		South BOUND
11:12	FISHERMEN			2 people - 1 on road us
11:20	FIGHTING	15 + 16		VAN + people fishing on IL side
11:24	TUG			
11:45	BARGE			2 BARGES + TUGS SOUTH BOUND
11:45	TWO TRUCKS + TRAILERS FROM ILLINOIS			
11:50	BARGE			2 BARGES + TUGS SOUTH BOUND
12:00	TUG			TUG NORTH BOUND

8am Start

Mississippi River Monitoring

Wed 4 July 2007

8am
Mostly Sunny

8:00am Recreational yacht parked in River
Small recreational boat (small pontoon style)
docked on east side of boat mostly out of
view Both parked under eades Bridge
Small pontoon boat acting as a dock to the yacht

8:05am Small tugboat / Ferry traveling south

8:25am Small rescue boat traveling north on
river monitoring

Fair St Louis has the river front
fenced off, and guarded by police.
6 large barges parked on either side
of River in eyes view at least 1 to hold fireworks

8:45am Large Barge moving south @

8:50 Stop monitoring

10:10 Observed 1 fisherman at ^{North} North Riverfront park
Observed illicit activities

10:26 No use at chain of Rock

10:35 No use noted at North North Riverfront park

11:15 Water patrol and Coast Guard boats
pics taken

@ Arch Fair
St Louis

11²⁰

Secondary contact "Ankle wading"
2 different people

12⁰⁵

large barge traveling north by
Admiral casinos photo taken

12¹⁰

2 ferry boats docked over eads bridge
photo taken

12²⁰

12²⁰

St Louis Fire Rescue Boat ~~now~~ now patrolling
(3rd small boat)

1⁰⁰
1 PM

Barge Traveling North @ Arch

1 PM

Interviewed Parking attendant

140

Ski Boat spotted heading north by
eads bridge

150

wading below eads bridge 1 person
Ankle deep

155

~~ski boat~~ ~~head~~ (Rescue Boat)

2¹⁰

Small Recreational "Jon Boat" ^{3 or} w/4 people
on it boating around below the arch.
no clear picture of it ~~front~~ ~~boat~~

235

Small ski boat heading north on
the river, stopping just south of
Expansion memorial park & drifting
south no clear picture taken
more like a Jon Boat at 2nd look

3^{PM} Heavy Rain, had to leave the field

5¹⁵ returned to the riverside

5³⁰ Small ski boat 2 people docked @ 50'
off west shore. man was rinsed his
towel in river and used it to lay on
photo taken

6⁰⁰ ~~small~~ ski boat heading north on
the river with 4 passengers
photo taken

6³⁰ left River

APPENDIX E

Recreational Use Surveillance Statistics

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TABLE E1. Baden Pump Station Camera Site Statistics

Date	Total Photos ¹	Active Barge ²	Small Craft ³	Personal Watercraft
7/2/2007	41	0	0	0
7/3/2007	10	0	0	0
7/4/2007	110	0	0	0
7/5/2007	102	0	0	0
7/6/2007	130	0	1	0
7/7/2007	131	0	0	0
7/8/2007	111	0	0	0
7/9/2007	117	0	0	0
7/10/2007	145	0	0	0
7/11/2007	129	0	0	0
7/12/2007	142	0	0	0
7/13/2007	107	0	0	0
7/14/2007	128	0	0	0
7/15/2007	127	0	0	0
7/16/2007	143	0	0	0
7/17/2007	103	0	0	0
7/18/2007	133	0	0	0
7/19/2007	138	0	0	0
7/20/2007	65	0	0	0
7/21/2007	368	0	1	0
7/22/2007	506	0	0	0
7/23/2007	37	0	0	0
7/24/2007	395	0	0	0
7/25/2007 ⁴	0	NA	NA	NA
7/26/2007 ⁴	0	NA	NA	NA
7/27/2007	24	0	0	0
7/28/2007	547	0	0	0
7/29/2007	296	0	1	0
7/30/2007	137	0	0	0
7/31/2007	326	0	1	0
8/1/2007	443	2	1	0
8/2/2007	495	0	0	0
8/3/2007	481	31	0	0
8/4/2007	498	0	0	0
8/5/2007	502	0	0	0
8/6/2007	506	3	0	0
8/7/2007	488	0	0	0
8/8/2007	457	0	0	0
8/9/2007	440	0	1	0
8/10/2007	441	0	0	0
8/11/2007	484	0	1	0
8/12/2007	498	0	0	0
8/13/2007	502	0	1	0
8/14/2007	410	0	1	0
8/15/2007	501	0	0	0
8/16/2007	482	0	0	0
8/17/2007	509	2	19	0
8/18/2007	509	0	1	0
8/19/2007	519	0	1	0

Note: Counts represent the number of photos with at least one observation of a watercraft (e.g., barge). The actual number of watercrafts may be higher or lower than the number depicted (e.g., multiple photos may be of one watercraft or vice versa). The value in parenthesis represents the percentage of the photo count relative to the total number of photos.

¹ Total photos include all photos taken from first light to 8:30 pm over the entire study period. Total photo counts were generally not available for the first few days of the study due to startup issues with the web camera service provider.

² Barge includes any large craft vessel such as barges, tug boats and commercial ferries.

³ Small craft includes any small craft vessel such as john boats, water patrol, yachts, etc.

⁴ Web camera down.

TABLE E2. Ferry Pump Station Camera Site Statistics

Date	Total Photos ¹	Active Barge ²	Small Craft ³	Personal Watercraft
7/2/2007	2	2	0	0
7/3/2007	26	20	7	0
7/4/2007	14	14	0	0
7/5/2007 ⁴	0	0	0	0
7/6/2007 ⁴	0	0	0	0
7/7/2007	388	18	0	0
7/8/2007	255	9	2	0
7/9/2007	257	6	1	0
7/10/2007	486	24	2	0
7/11/2007	425	40	1	1
7/12/2007	474	44	7	0
7/13/2007	481	73	0	0
7/14/2007	433	41	32	0
7/15/2007	433	40	2	0
7/16/2007	487	100	0	0
7/17/2007	518	235	0	0
7/18/2007	518	42	3	0
7/19/2007	524	105	0	0
7/20/2007	390	43	0	0
7/21/2007	498	65	2	0
7/22/2007	514	38	0	0
7/23/2007	421	45	6	0
7/24/2007	381	30	1	0
7/25/2007 ⁴	0	0	0	0
7/26/2007 ⁴	0	0	0	0
7/27/2007	498	53	12	0
7/28/2007	488	31	3	0
7/29/2007	341	20	4	0
7/30/2007	498	38	2	0
7/31/2007	488	49	1	0
8/1/2007	570	36	0	0
8/2/2007	694	39	1	0
8/3/2007	670	42	3	0
8/4/2007	488	29	3	0
8/5/2007	506	20	3	0
8/6/2007	512	55	5	0
8/7/2007	502	43	3	0
8/8/2007	652	42	3	0
8/9/2007	675	44	1	0
8/10/2007	143	14	0	0
8/11/2007	485	18	4	0
8/12/2007	500	45	3	0
8/13/2007	496	75	1	0
8/14/2007	339	106	2	0
8/15/2007	505	31	1	0
8/16/2007	0	0	0	0
8/17/2007	216	15	3	0
8/18/2007	506	41	1	0
8/19/2007	41	1	0	0

Note: Counts represent the number of photos with at least one observation of a watercraft (e.g., barge). The actual number of watercrafts may be higher or lower than the number depicted (e.g., multiple photos may be of one watercraft or vice versa). The value in parenthesis represents the percentage of the photo count relative to the total number of photos.

¹ Total photos include all photos taken from first light to 8:30 pm over the entire study period. Total photo counts were generally not available for the first few days of the study due to startup issues with the web camera service provider.

² Barge includes any large craft vessel such as barges, tug boats and commercial ferries.

³ Small craft includes any small craft vessel such as john boats, water patrol, yachts, etc.

⁴ Web camera down.

TABLE E3. Carr Street Pump Station Camera Site Statistics

Date	Total Photos ¹	Active Barge ²	Small Craft ³	Personal Watercraft
7/2/2007	5	0	0	0
7/3/2007	21	1	0	0
7/4/2007	121	6	1	0
7/5/2007	131	4	1	0
7/6/2007	108	11	0	0
7/7/2007	122	6	0	0
7/8/2007	23	4	0	0
7/9/2007	20	0	0	0
7/10/2007	4	1	0	0
7/11/2007	41	4	0	0
7/12/2007	100	9	1	0
7/13/2007	13	1	0	0
7/14/2007	112	13	12	0
7/15/2007	112	16	1	0
7/16/2007	91	13	0	0
7/20/2007	75	5	0	0
7/21/2007 ⁴	0	NA	NA	NA
7/23/2007	69	5	0	0
7/24/2007	368	20	5	0
7/25/2007 ⁴	0	NA	NA	NA
7/26/2007 ⁴	0	NA	NA	NA
7/27/2007	539	41	3	0
7/28/2007	189	7	1	0
7/29/2007	282	17	6	0
7/30/2007	516	42	2	0
7/31/2007	434	38	3	0
8/1/2007	423	45	10	0
8/2/2007	487	48	2	0
8/3/2007	471	134	4	0
8/4/2007	513	32	4	0
8/5/2007	529	30	8	0
8/6/2007	508	44	4	0
8/7/2007	471	31	0	0
8/8/2007	387	3	0	0
8/9/2007	154	20	3	0
8/10/2007	456	46	8	0
8/11/2007	506	30	4	0
8/12/2007	521	51	2	0
8/13/2007	489	35	1	0
8/14/2007	418	44	4	0
8/15/2007	480	55	3	0
8/16/2007	484	30	3	0
8/17/2007	90	0	0	0

Note: Counts represent the number of photos with at least one observation of a watercraft (e.g., barge). The actual number of watercrafts may be higher or lower than the number depicted (e.g., multiple photos may be of one watercraft or vice versa). The value in parenthesis represents the percentage of the photo count relative to the total number of photos.

¹ Total photos include all photos taken from first light to 8:30 pm over the entire study period. Total photo counts were generally not available for the first few days of the study due to startup issues with the web camera service provider.

² Barge includes any large craft vessel such as barges, tug boats and commercial ferries.

³ Small craft includes any small craft vessel such as john boats, water patrol, yachts, etc.

⁴ Web camera down.

TABLE E4. Mill Creek Pump Station Camera Site Statistics

Date	Total Photos ¹	Active Barge ²	Docked Barge	Small Craft ³	Personal Watercraft
7/7/2007	14	11	14	2	0
7/8/2007	37	20	37	4	0
7/9/2007	314	46	314	4	0
7/10/2007	429	86	429	4	0
7/11/2007	400	80	400	8	0
7/12/2007	513	130	513	14	0
7/13/2007	457	74	457	9	0
7/14/2007	447	124	447	31	0
7/15/2007	430	62	430	6	0
7/16/2007	479	144	479	3	0
7/17/2007	507	140	507	0	0
7/18/2007	506	90	506	0	0
7/19/2007	486	85	486	0	0
7/20/2007	358	80	358	0	0
7/21/2007	503	177	503	5	0
7/22/2007	513	92	513	2	0
7/23/2007	419	101	419	3	0
7/24/2007	367	43	367	5	0
7/25/2007 ⁴	0	NA	NA	NA	NA
7/26/2007 ⁴	0	NA	NA	NA	NA
7/27/2007	469	72	469	3	0
7/28/2007	478	92	478	3	0
7/29/2007	332	29	332	3	0
7/30/2007	471	101	471	0	0
7/31/2007	460	109	460	1	0
8/1/2007	437	86	437	0	0
8/2/2007	681	144	681	6	0
8/3/2007	627	119	627	10	0
8/4/2007	454	36	454	2	0
8/5/2007	477	60	477	0	0
8/6/2007	461	70	461	1	0
8/7/2007	464	59	464	0	0
8/8/2007	607	88	607	5	0
8/9/2007	672	288	672	2	0
8/10/2007	446	83	446	1	0
8/11/2007	484	50	484	5	0
8/12/2007	485	65	485	1	0
8/13/2007	500	81	500	3	0
8/14/2007	404	101	404	0	0
8/15/2007	496	72	496	4	0
8/16/2007	444	67	444	3	0
8/17/2007	483	79	483	7	0
8/18/2007	504	72	504	3	0
8/19/2007	502	65	502	9	0

Note: Counts represent the number of photos with at least one observation of a watercraft (e.g., barge). The actual number of watercrafts may be higher or lower than the number depicted (e.g., multiple photos may be of one watercraft or vice versa). The value in parenthesis represents the percentage of the photo count relative to the total number of photos.

¹ Total photos include all photos taken from first light to 8:30 pm over the entire study period. Total photo counts were generally not available for the first few days of the study due to startup issues with the web camera service provider.

² Barge includes any large craft vessel such as barges, tug boats and commercial ferries.

³ Small craft includes any small craft vessel such as john boats, water patrol, yachts, etc.

⁴ Web camera down.

TABLE E5. Jefferson Barracks Pump Station Camera Site Statistics

Date	Total Photos ¹	Active Barge ²	Docked Barge	Small Craft ³	Personal Watercraft
7/7/2007	25	18	0	6	0
7/8/2007	58	17	0	4	0
7/9/2007	375	47	0	1	0
7/10/2007	458	10	0	2	0
7/11/2007	390	19	0	1	0
7/12/2007	442	32	0	1	0
7/13/2007	451	25	0	0	0
7/14/2007	398	8	0	4	0
7/15/2007	409	13	0	5	0
7/16/2007	411	17	0	0	0
7/17/2007	462	27	0	2	0
7/18/2007	472	26	0	1	0
7/19/2007	467	28	0	2	0
7/20/2007	337	24	0	0	0
7/21/2007	425	30	0	1	0
7/22/2007	438	21	0	4	0
7/23/2007	383	4	0	1	0
7/24/2007	330	15	0	3	0
7/25/2007 ⁴	0	NA	NA	NA	NA
7/26/2007 ⁴	0	NA	NA	NA	NA
7/27/2007	456	13	0	3	0
7/28/2007	462	15	0	3	0
7/29/2007	331	16	0	3	0
7/30/2007	456	18	0	0	0
7/31/2007	454	22	0	0	0
8/1/2007	537	16	0	0	0
8/2/2007	626	22	0	0	0
8/3/2007	598	38	0	3	0
8/4/2007	447	14	0	2	0
8/5/2007	453	20	0	0	0
8/6/2007	452	25	0	1	0
8/7/2007	439	25	0	0	0
8/8/2007	565	29	0	3	0
8/9/2007	576	11	0	0	0
8/10/2007	403	22	0	4	0
8/11/2007	433	21	0	1	0
8/12/2007	447	18	15	3	0
8/13/2007	447	29	0	1	0
8/14/2007	329	22	0	1	0
8/15/2007	457	17	0	0	0
8/16/2007	416	20	0	3	0
8/17/2007	455	24	0	2	0
8/18/2007	446	17	0	1	0
8/19/2007	456	21	0	2	0

Note: Counts represent the number of photos with at least one observation of a watercraft (e.g., barge). The actual number of watercrafts may be higher or lower than the number depicted (e.g., multiple photos may be of one watercraft or vice versa). The value in parenthesis represents the percentage of the photo count relative to the total number of photos.

¹ Total photos include all photos taken from first light to 8:30 pm over the entire study period. Total photo counts were generally not available for the first few days of the study due to startup issues with the web camera service provider.

² Barge includes any large craft vessel such as barges, tug boats and commercial ferries.

³ Small craft includes any small craft vessel such as john boats, water patrol, yachts, etc.

⁴ Web camera down.

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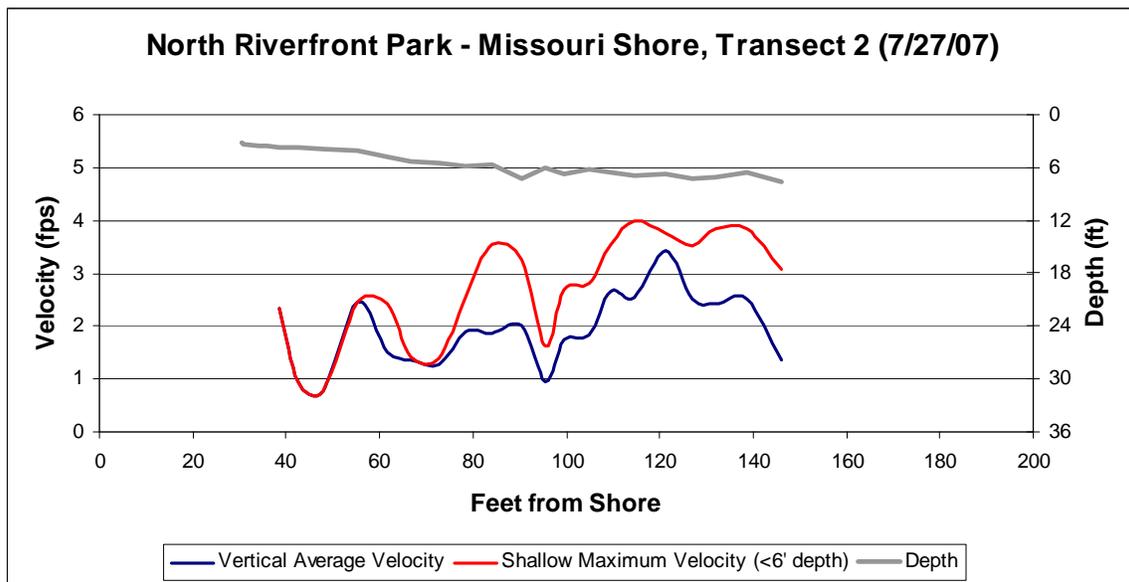
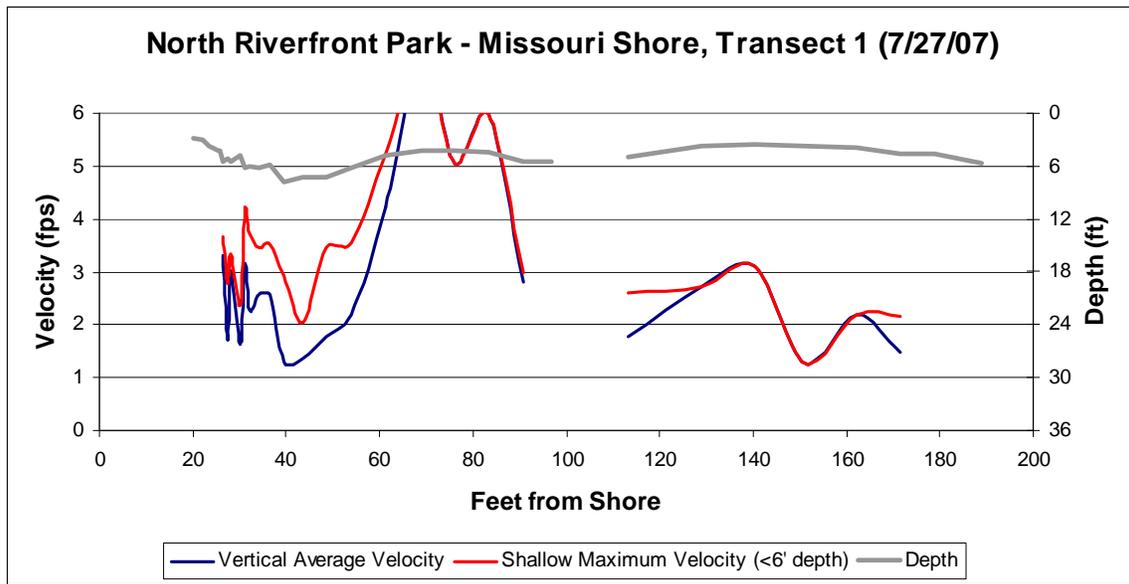
APPENDIX F

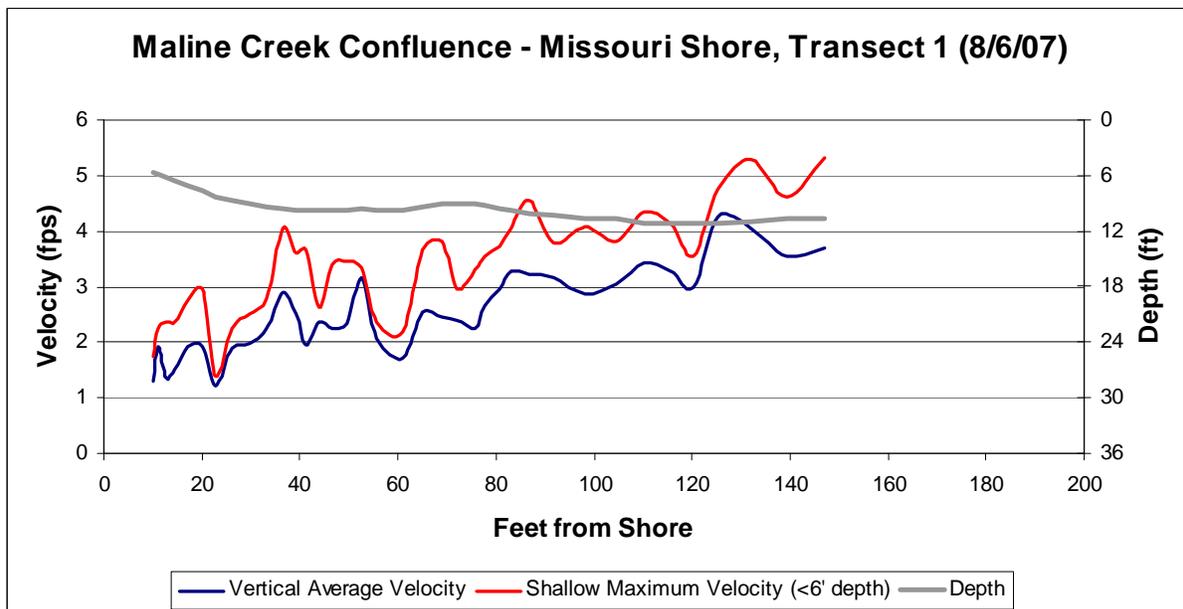
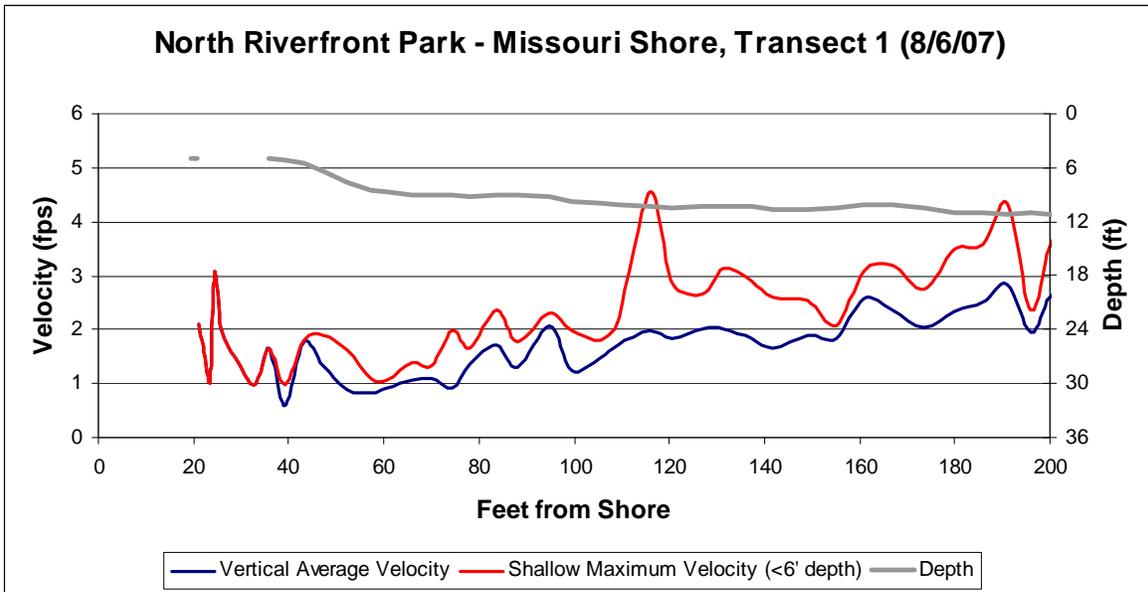
Hydraulic Analysis Figures

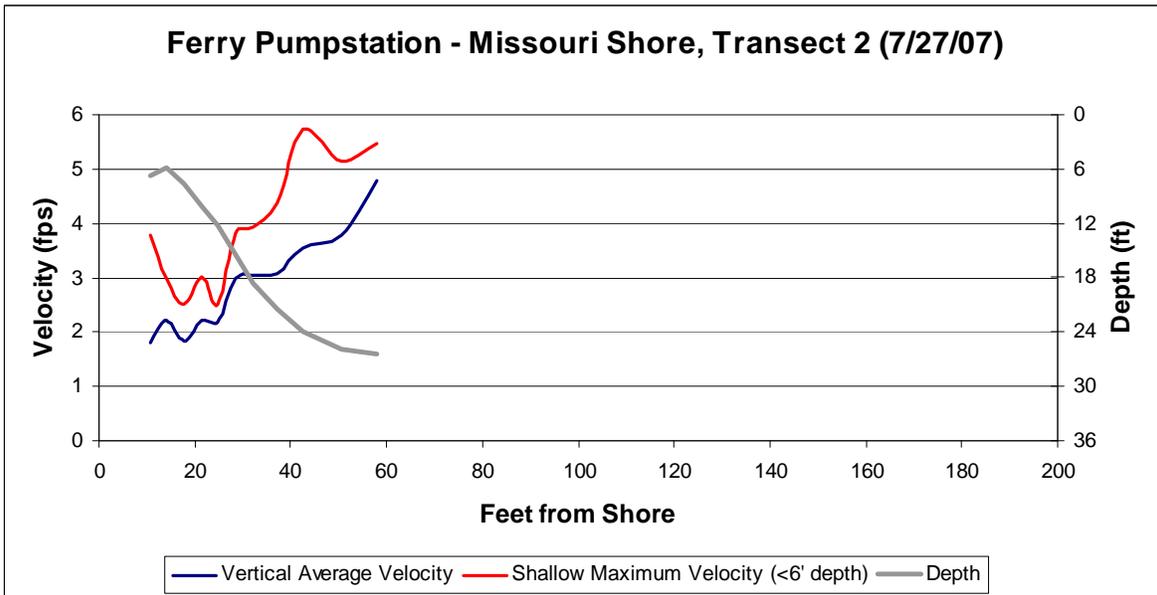
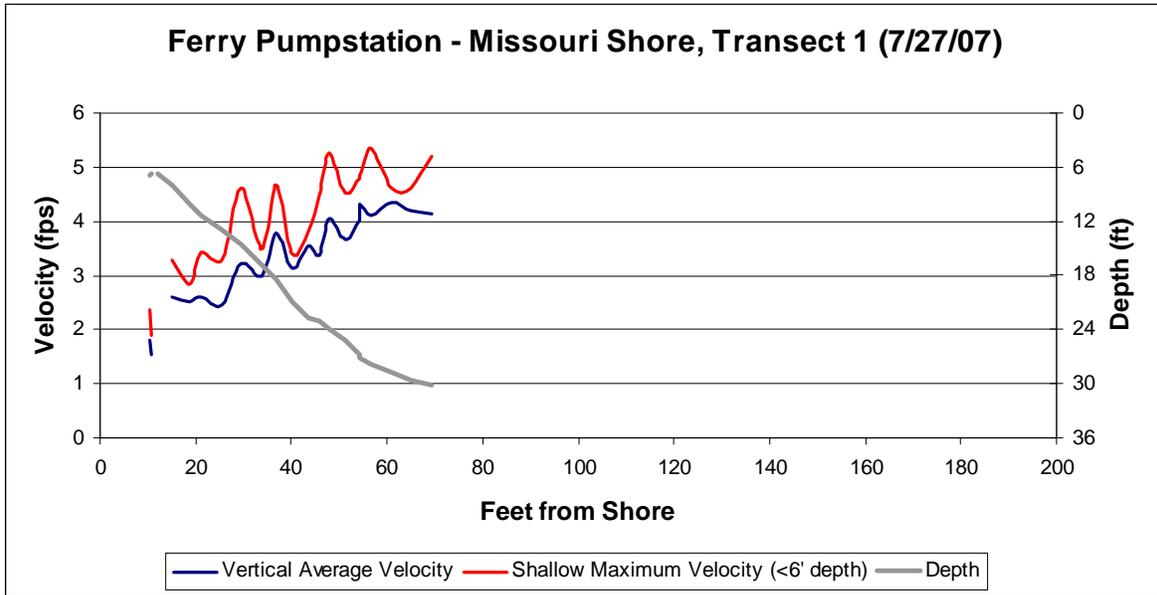
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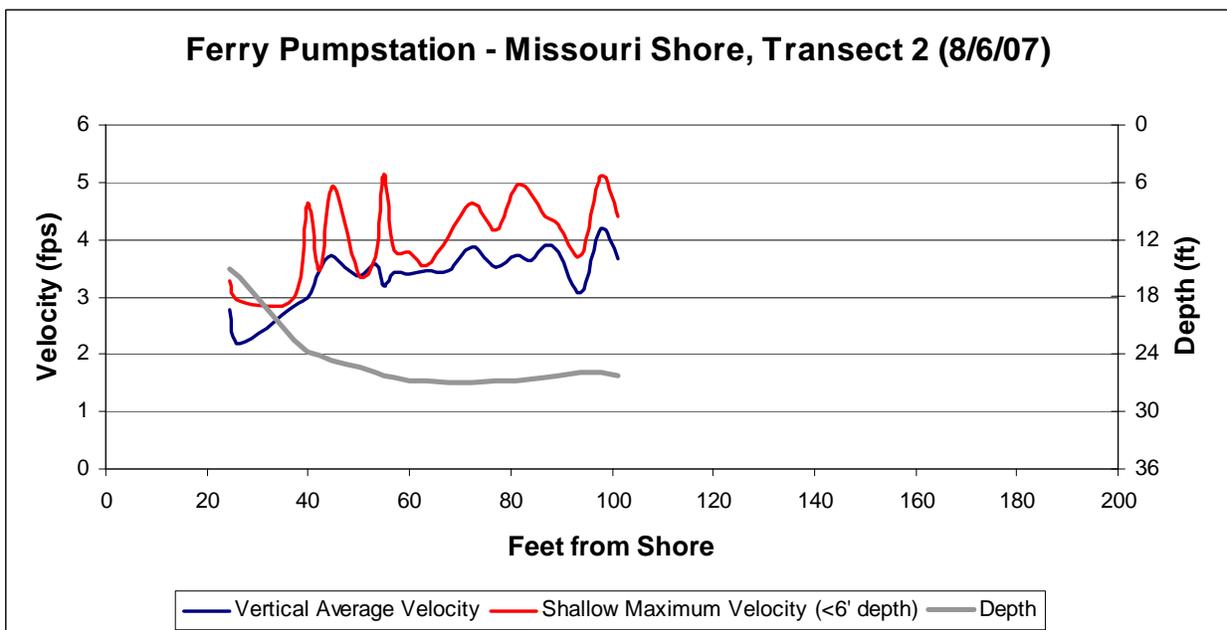
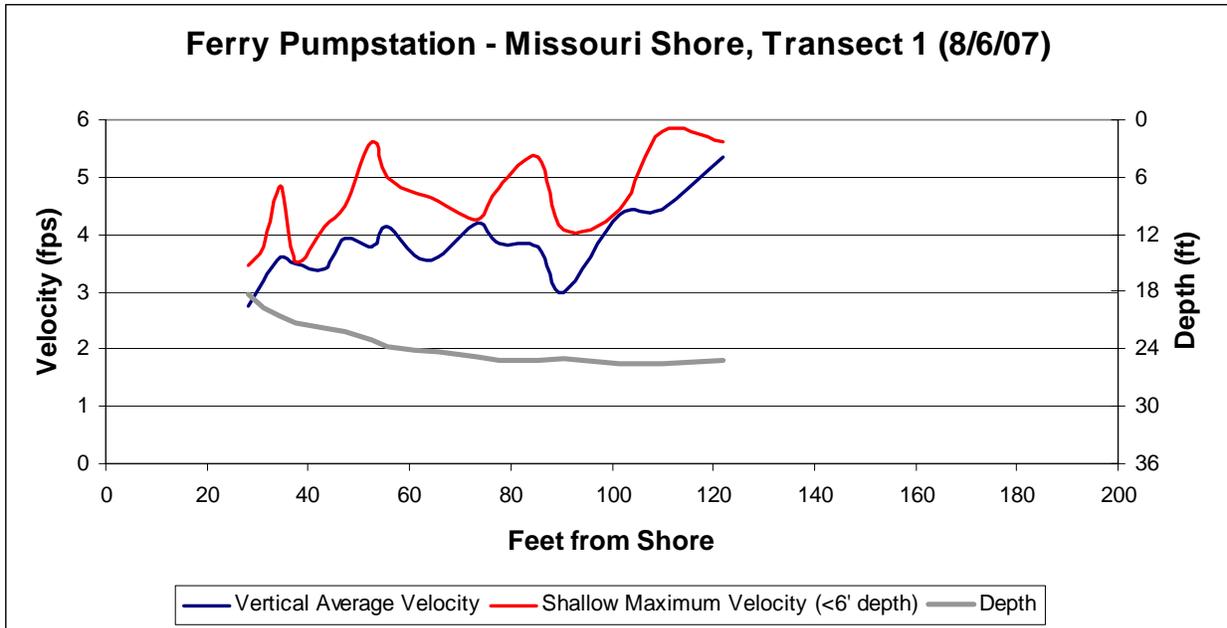
Near-Shore Velocity Depictions

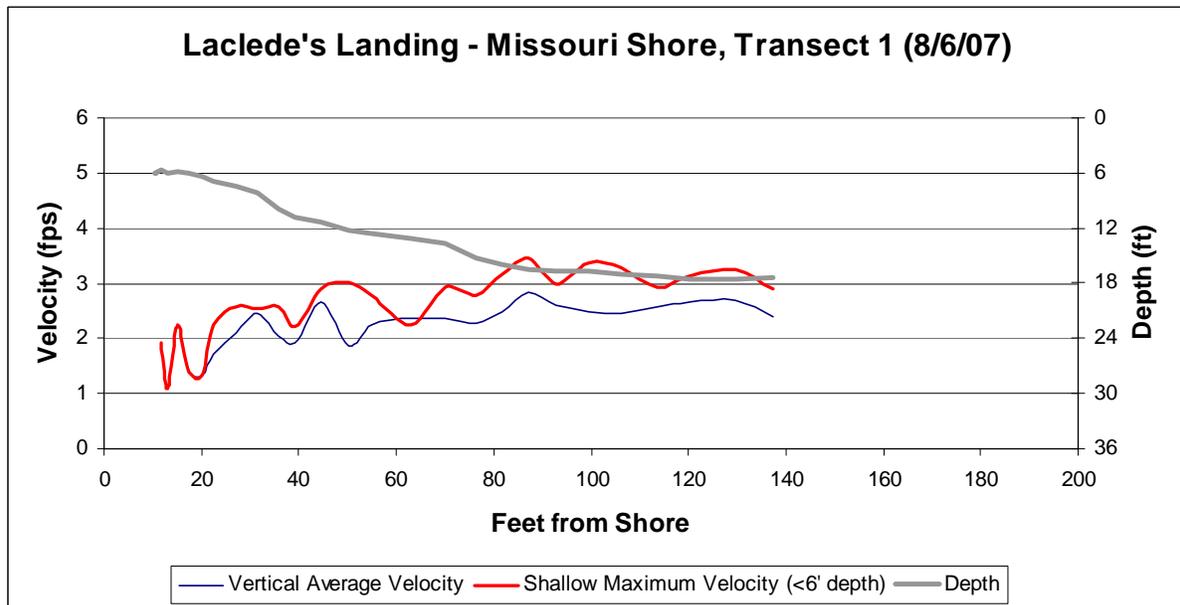
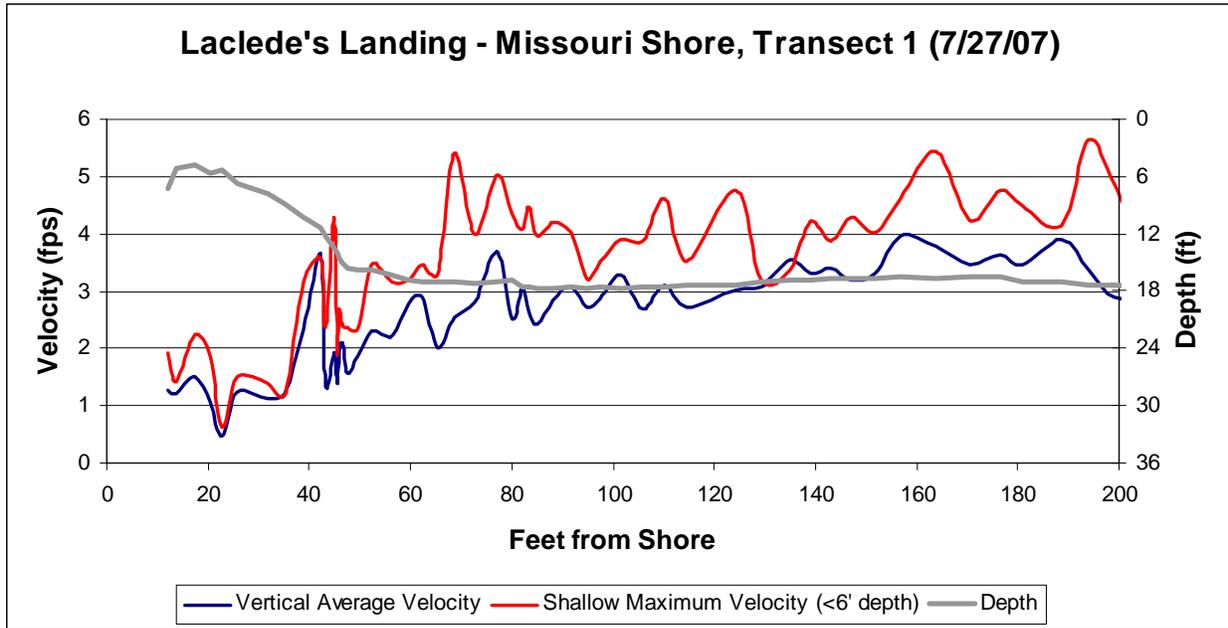
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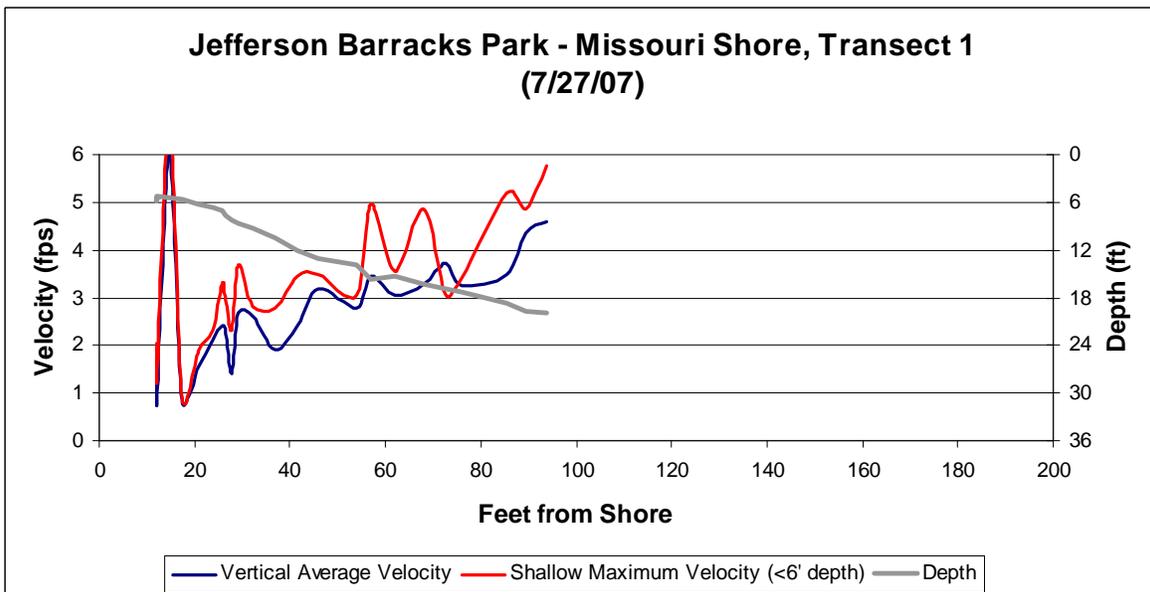
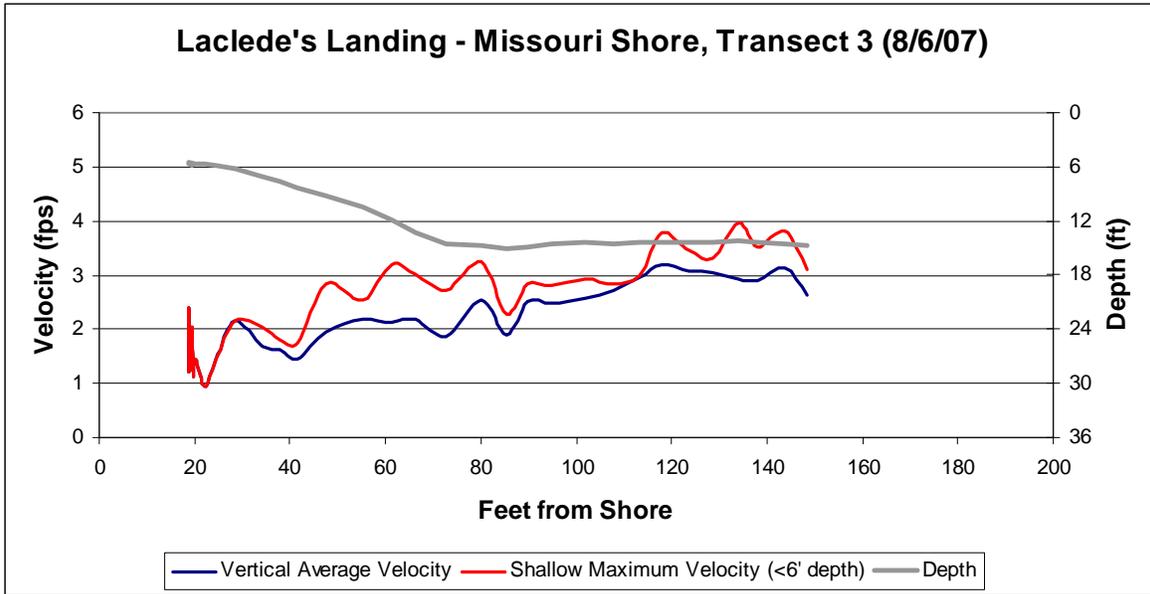


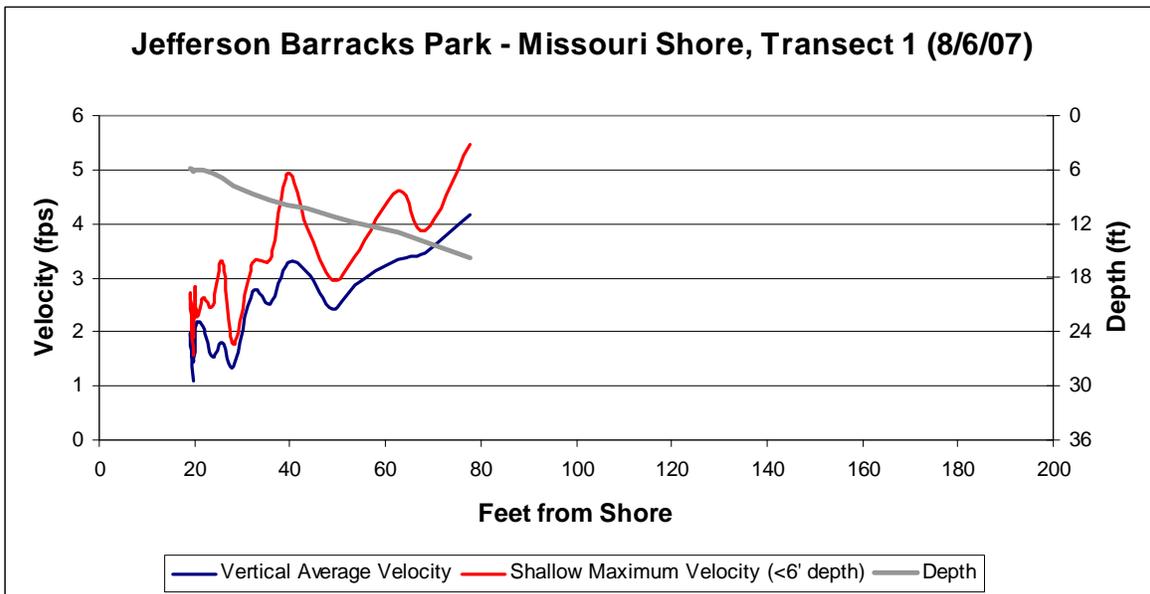
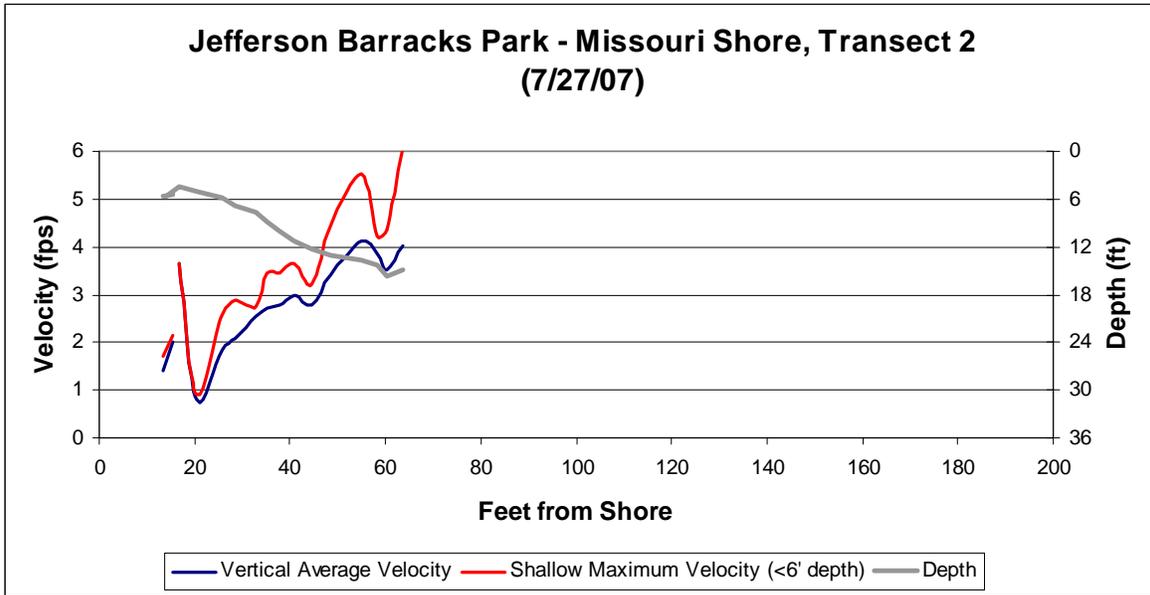


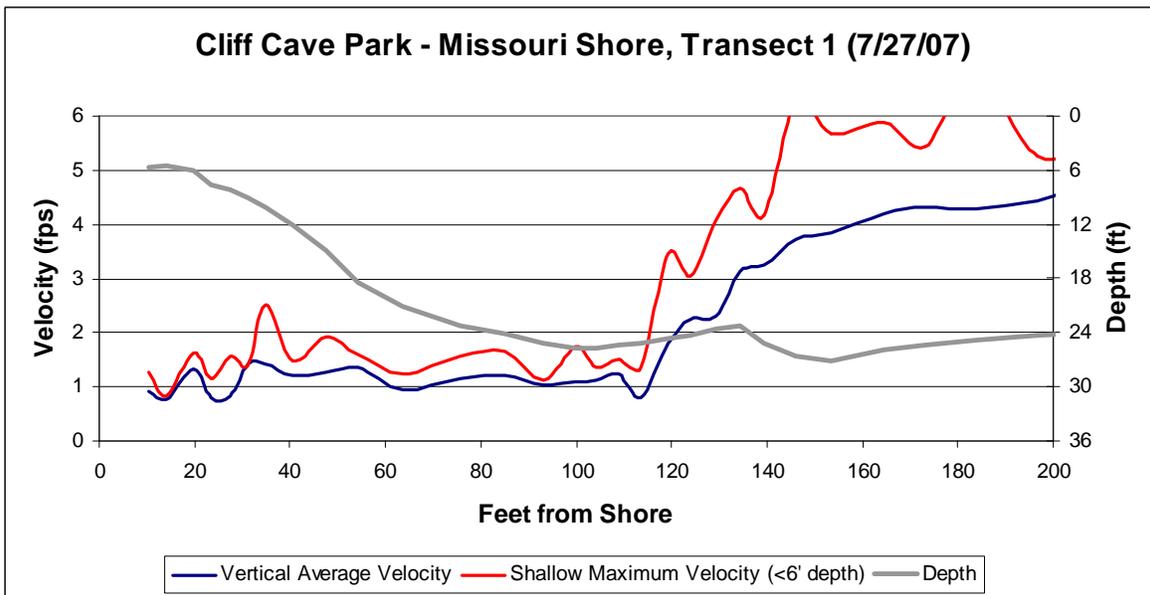
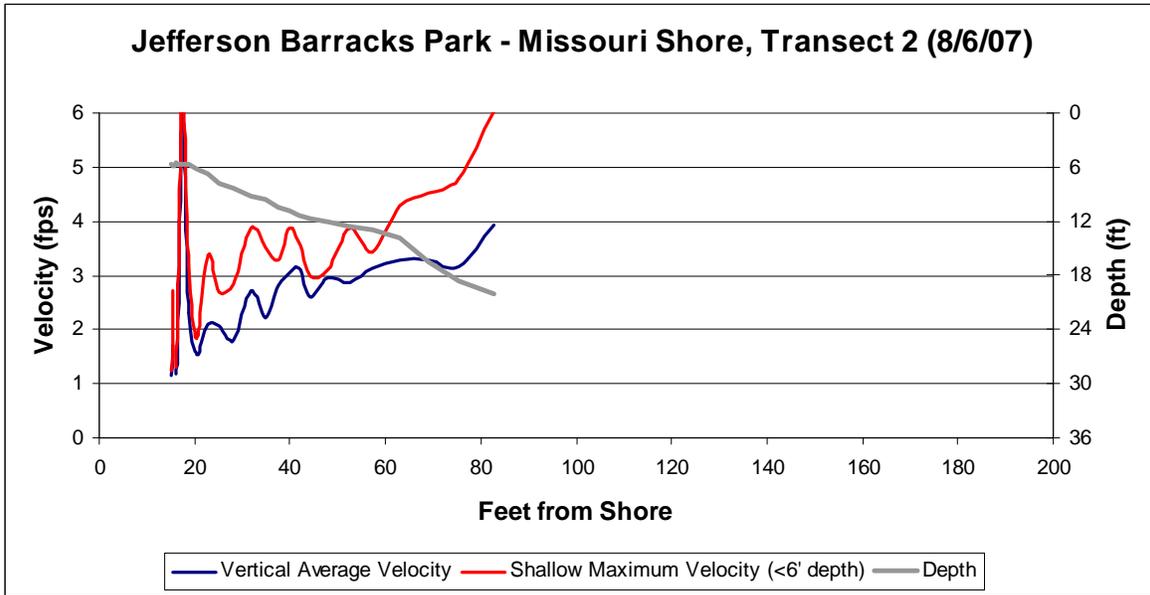


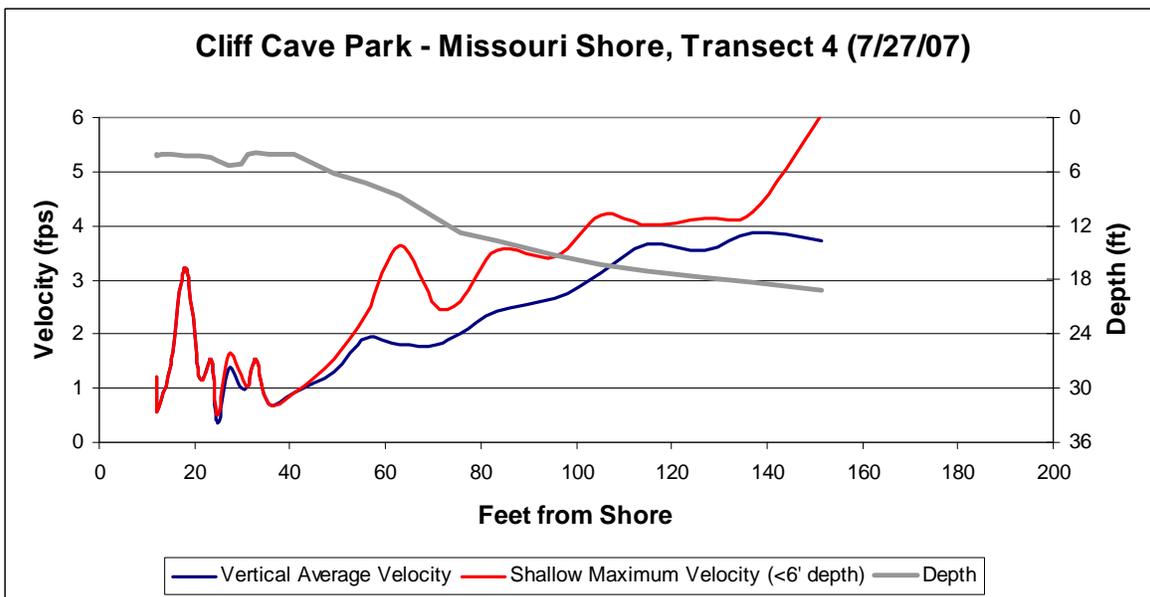
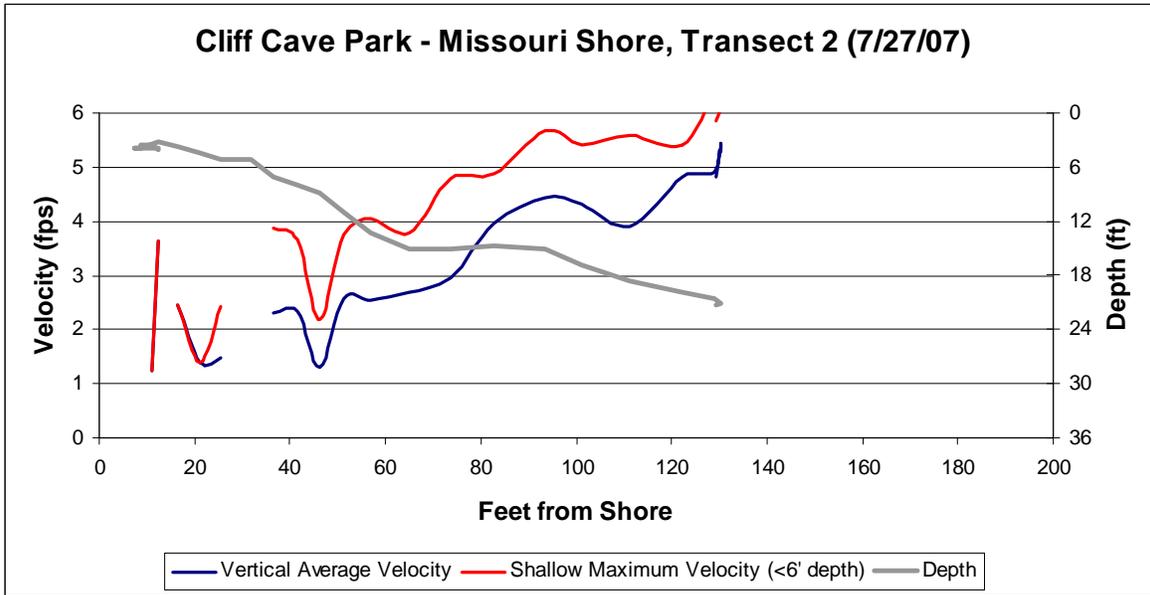


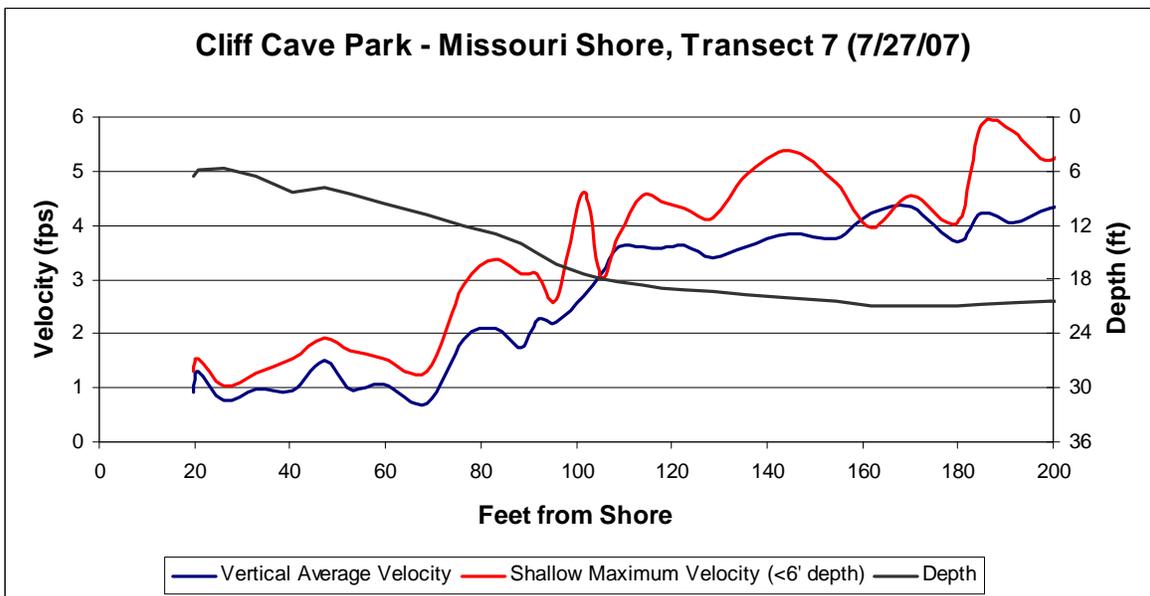
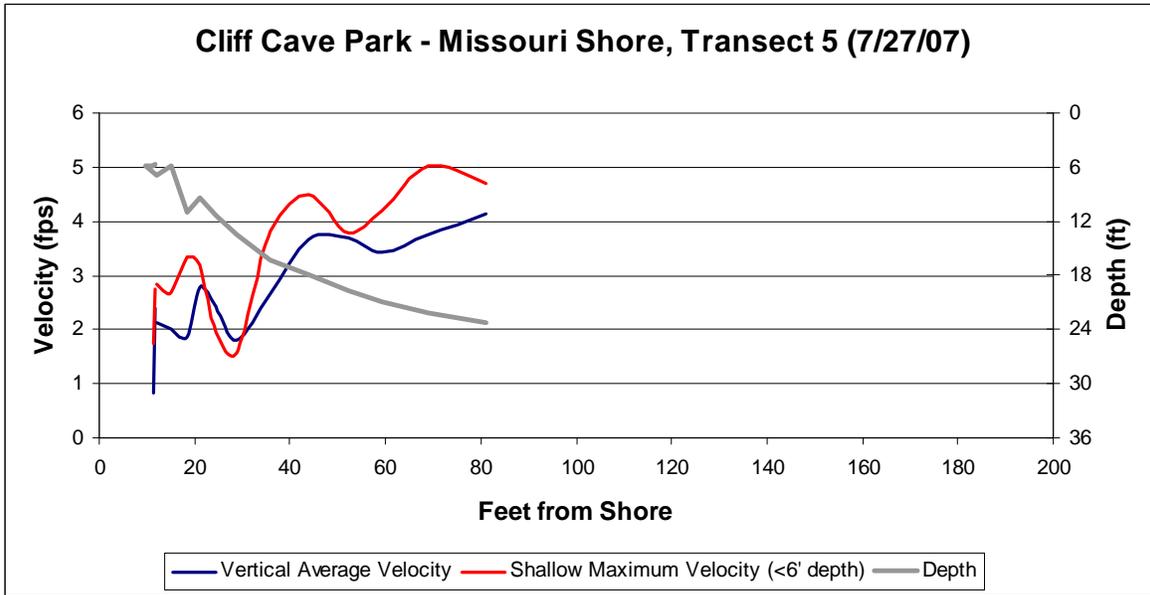


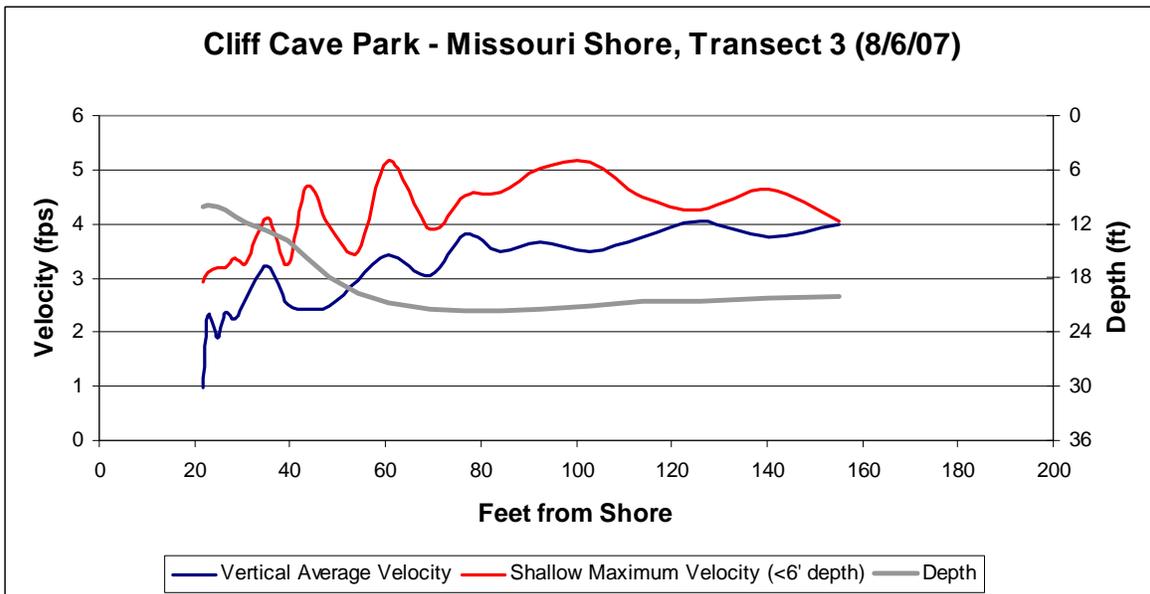
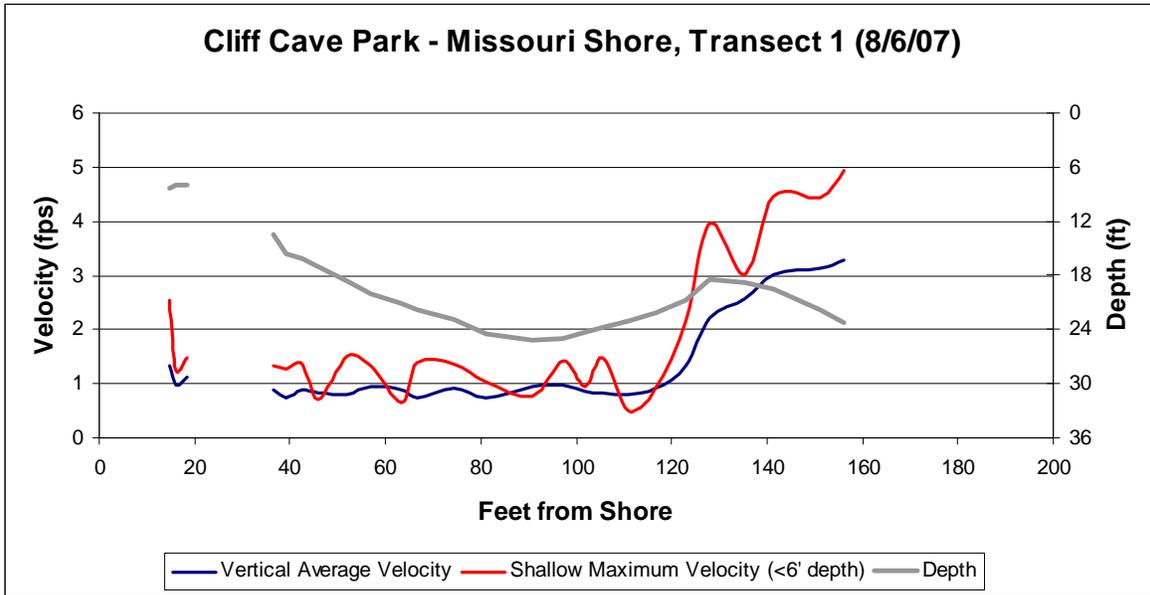


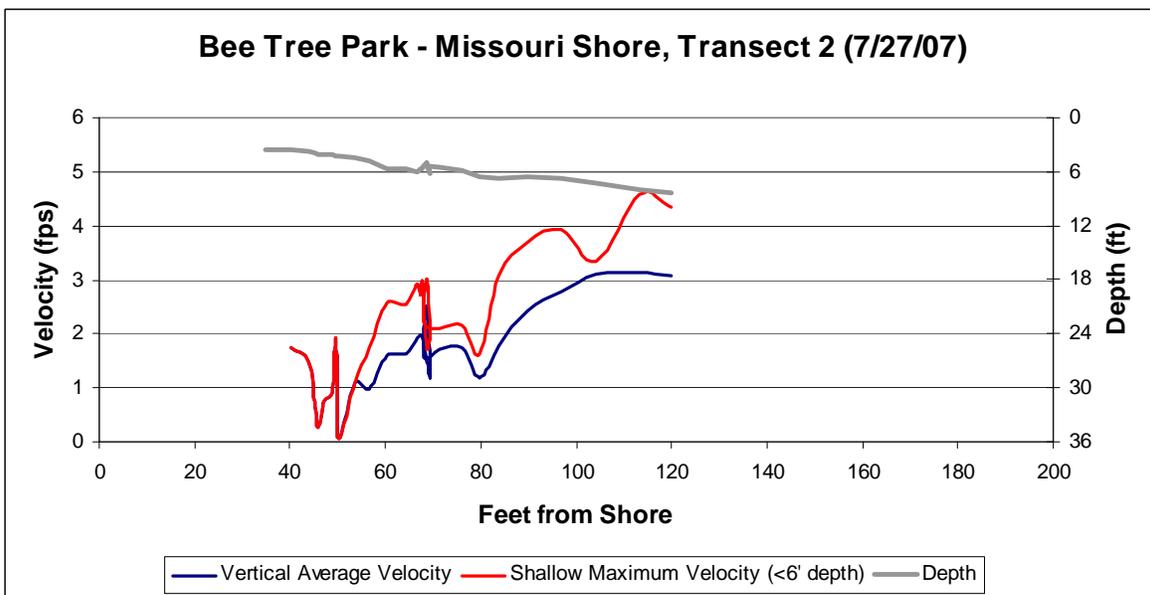
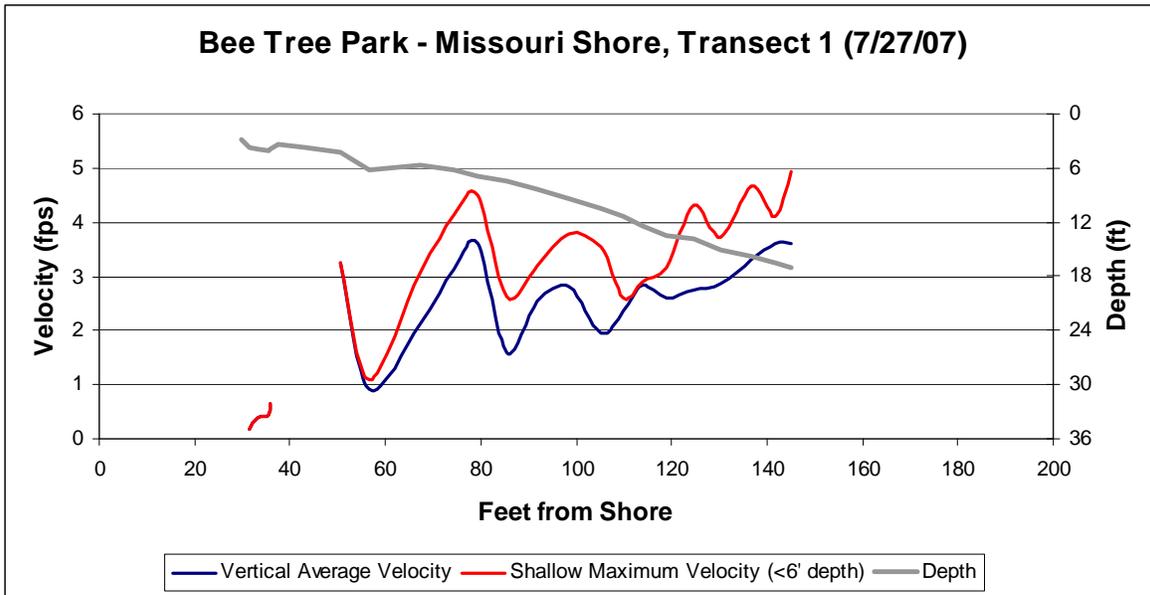


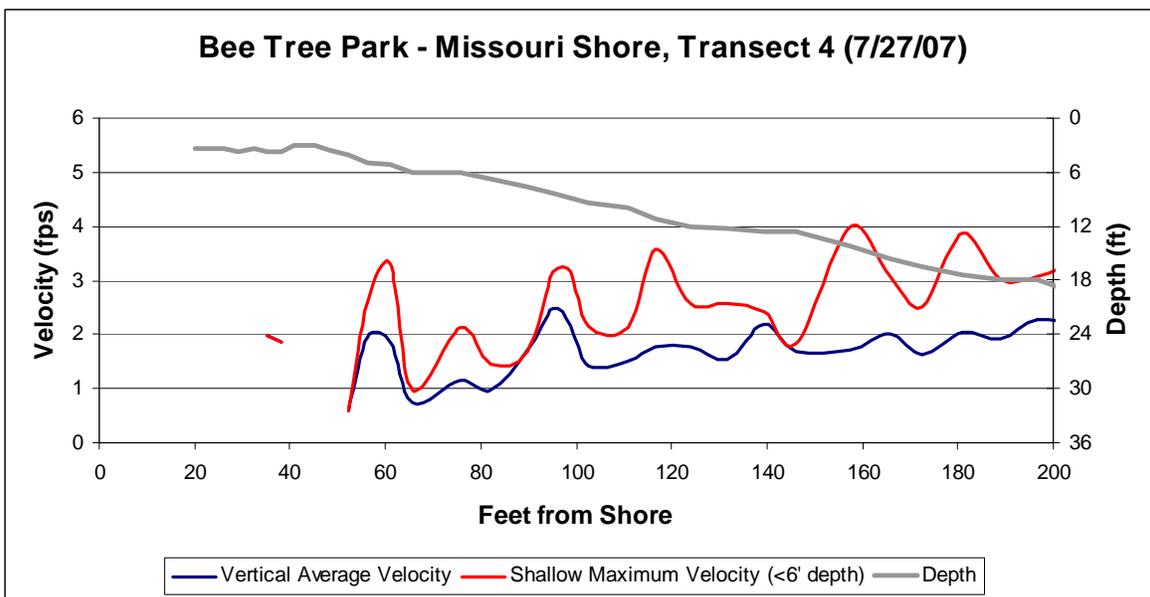
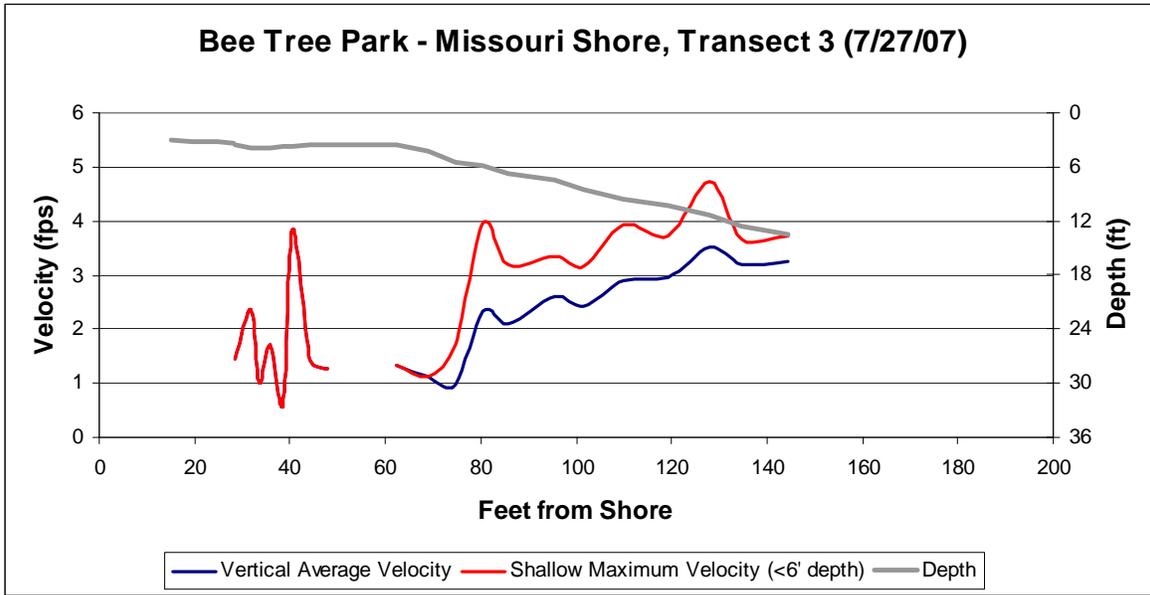


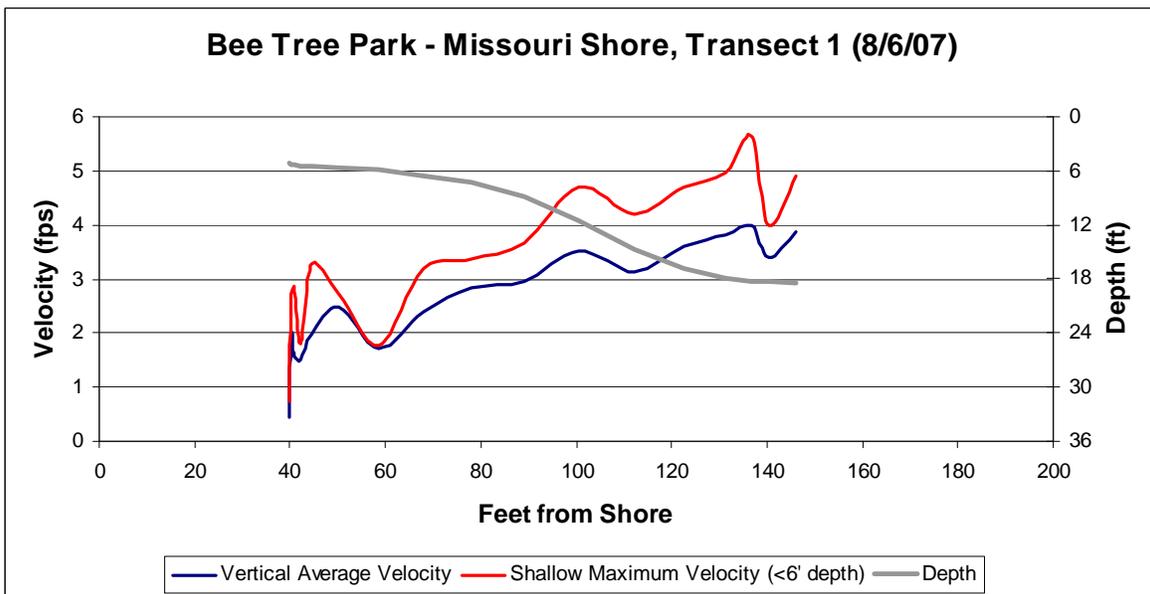
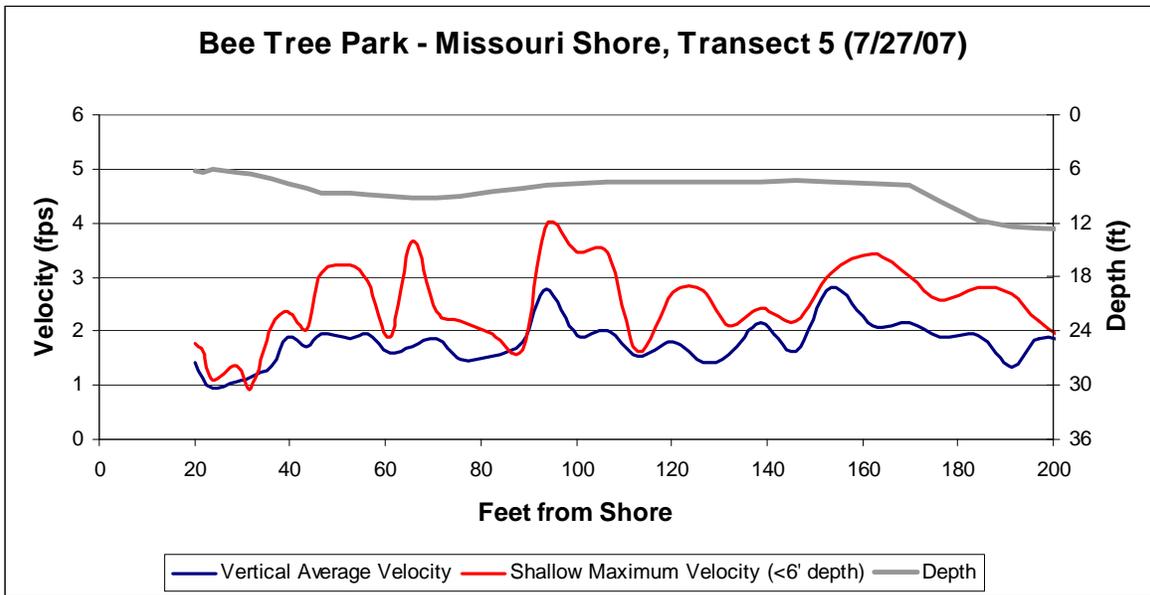


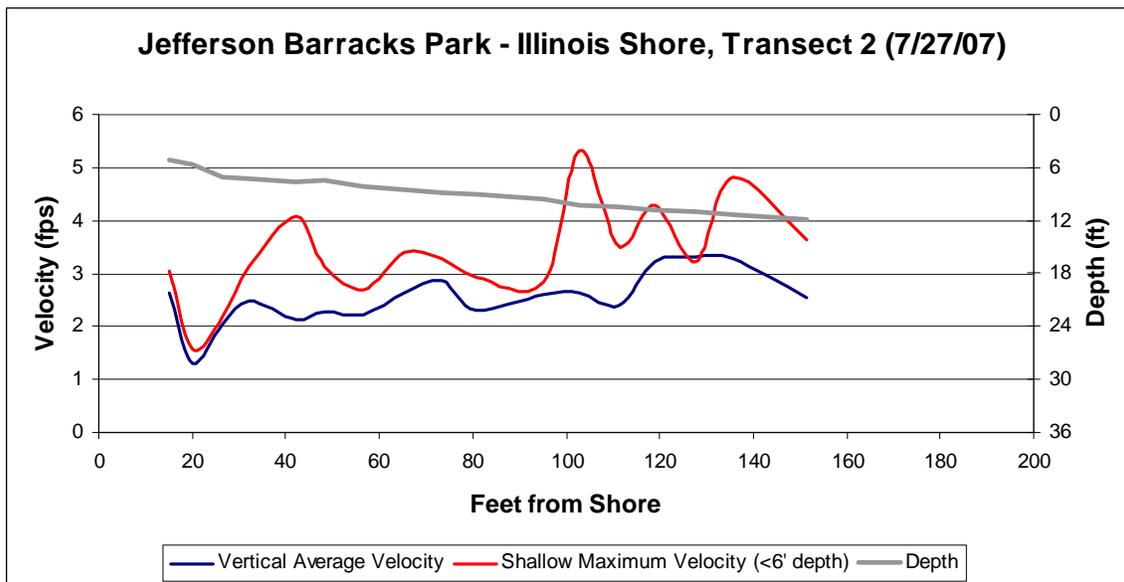
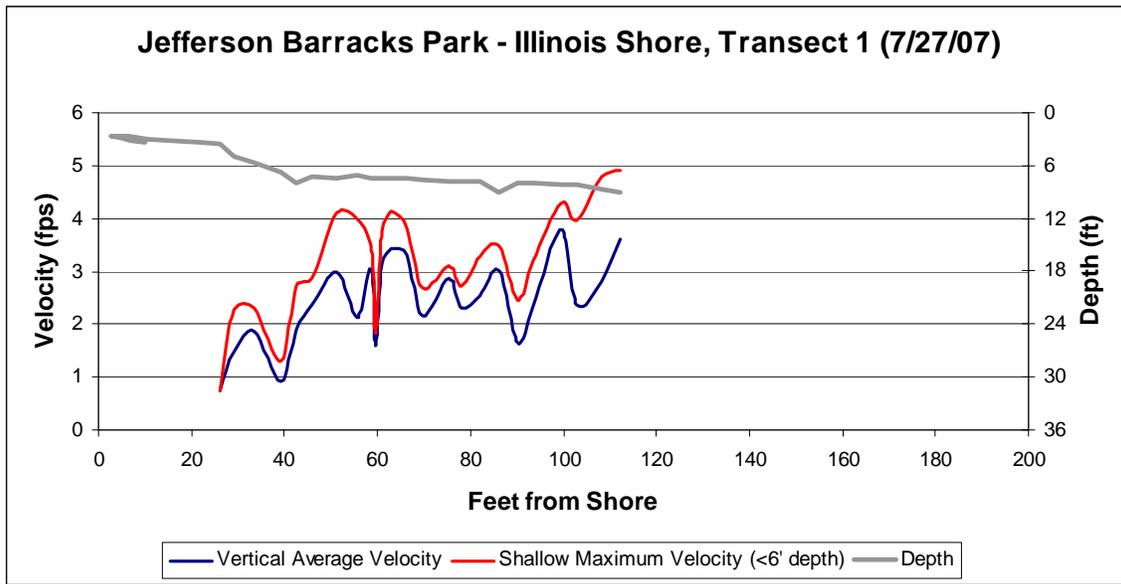


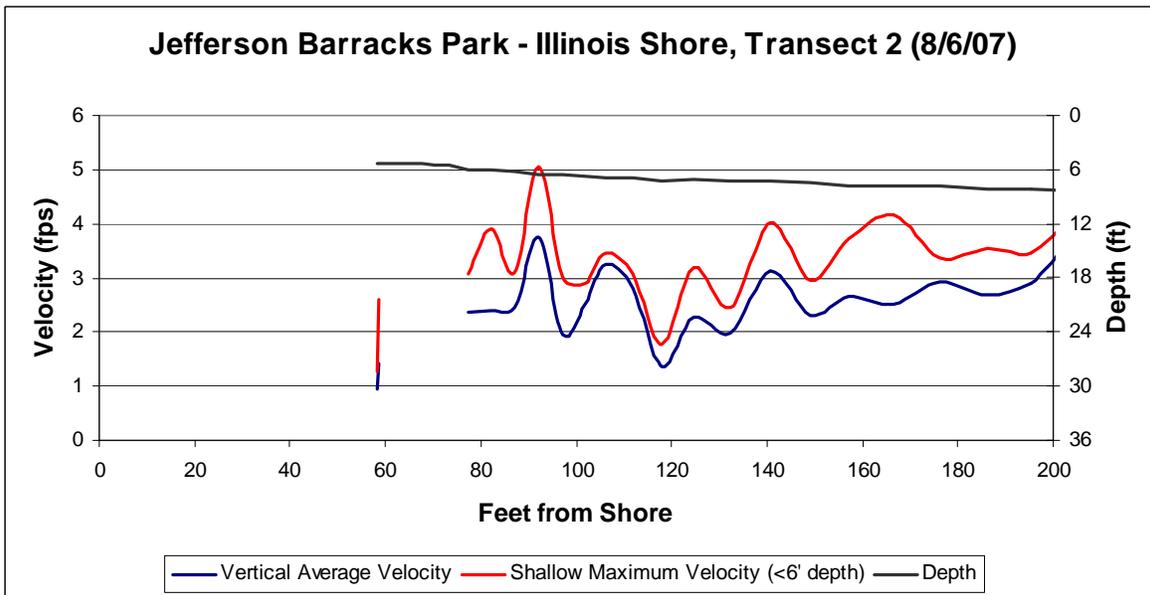
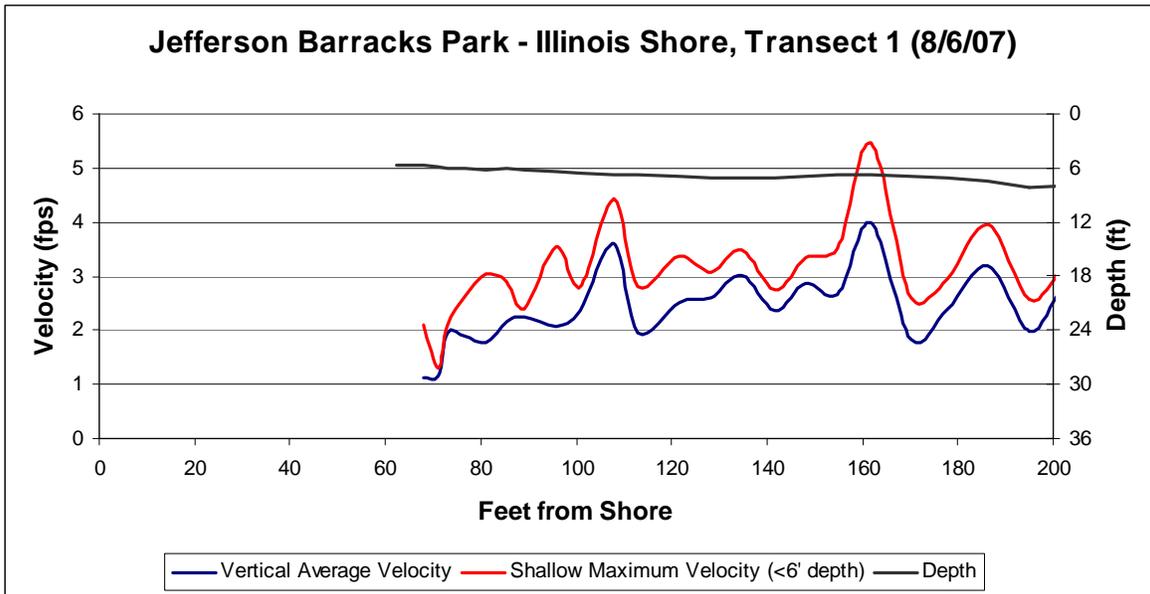


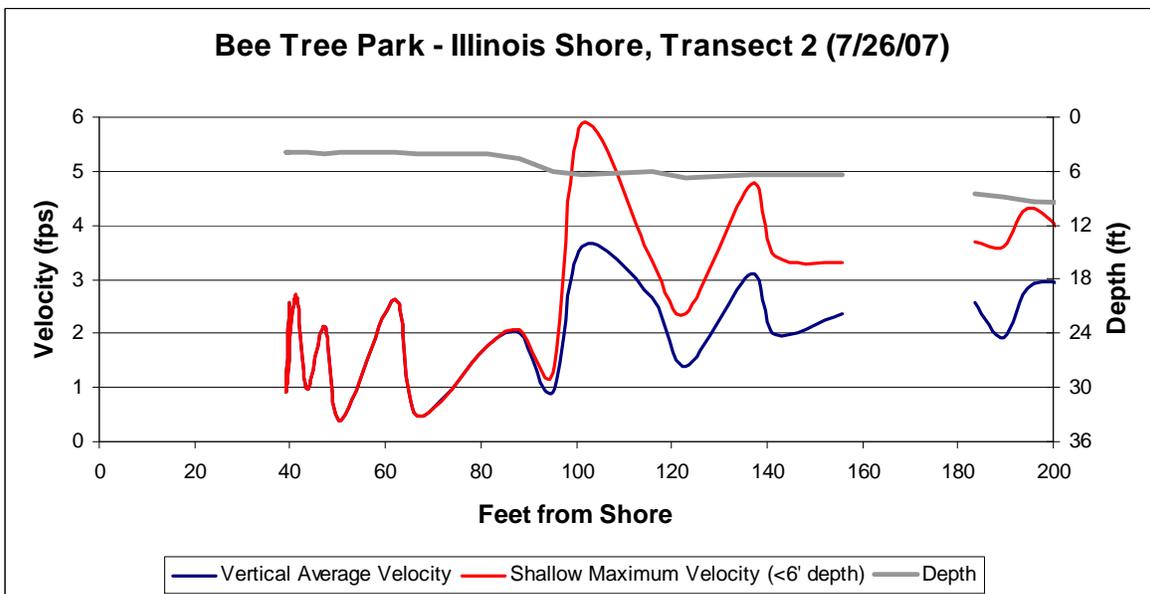
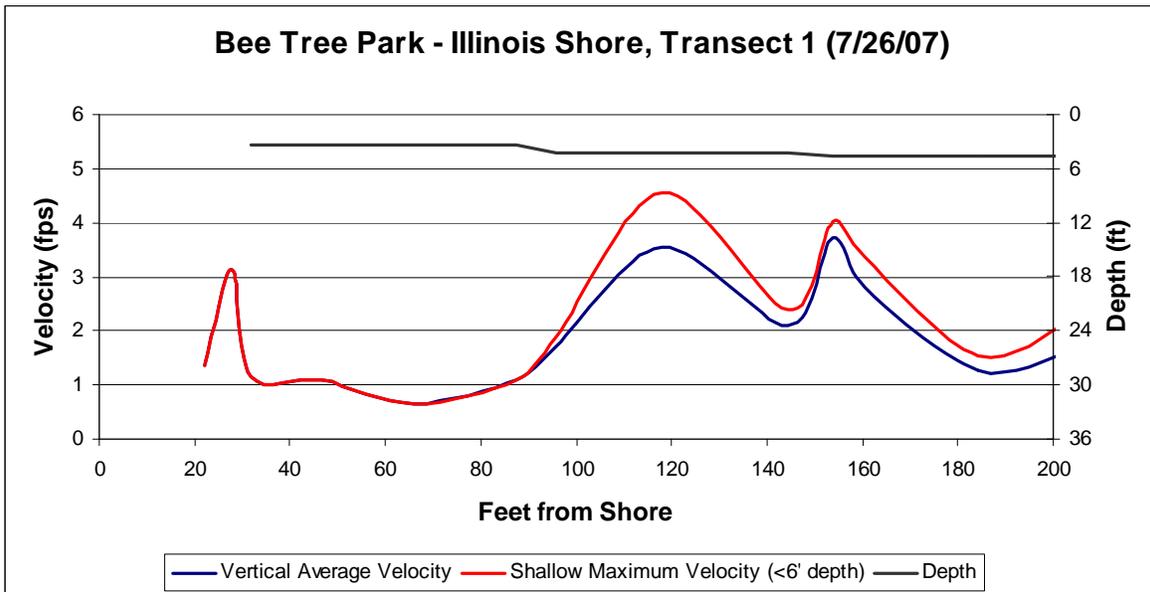


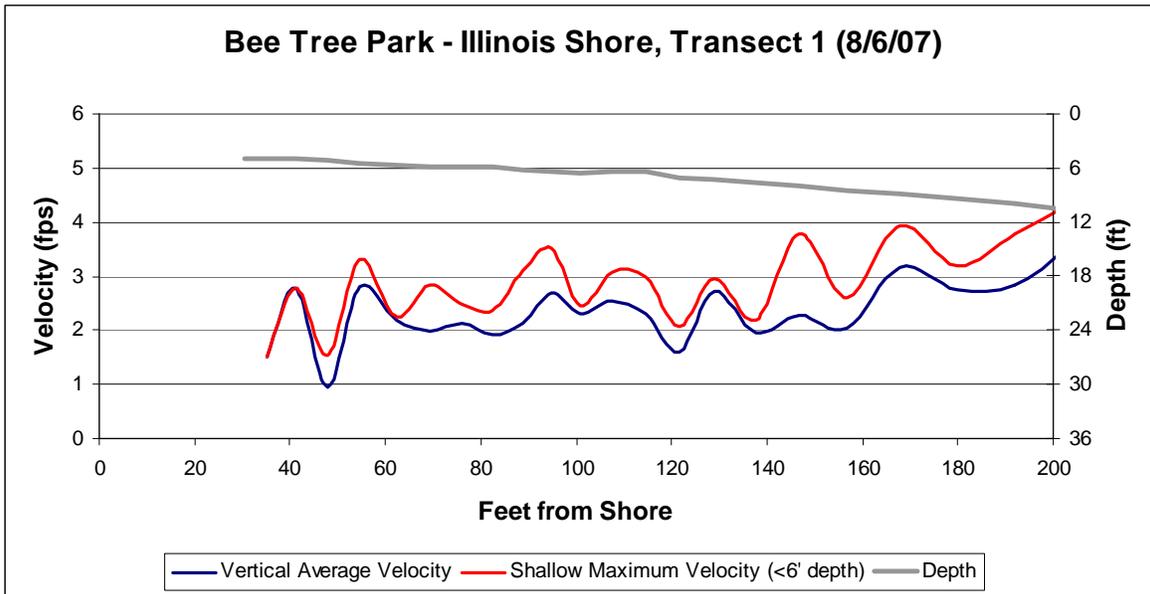






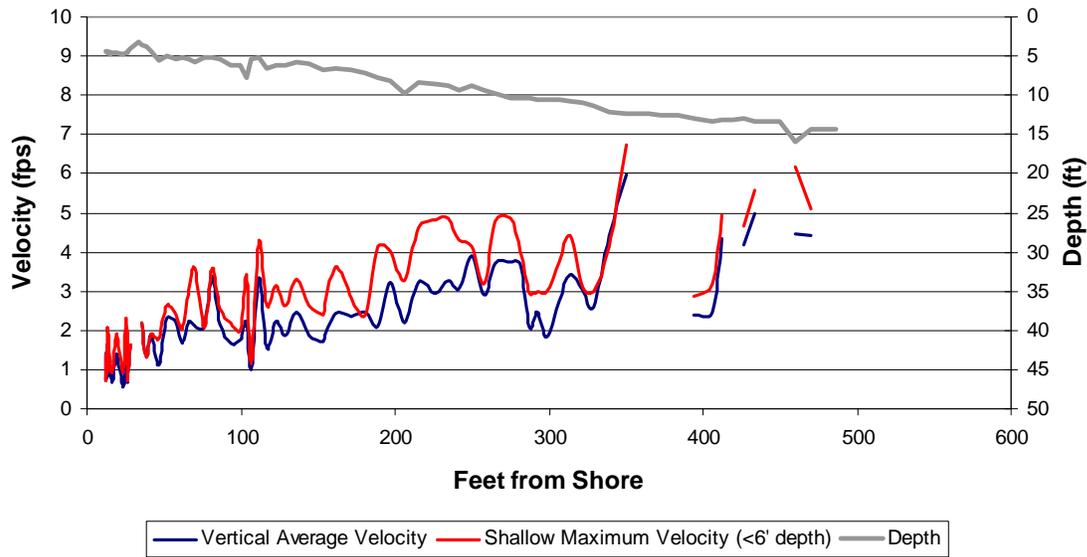




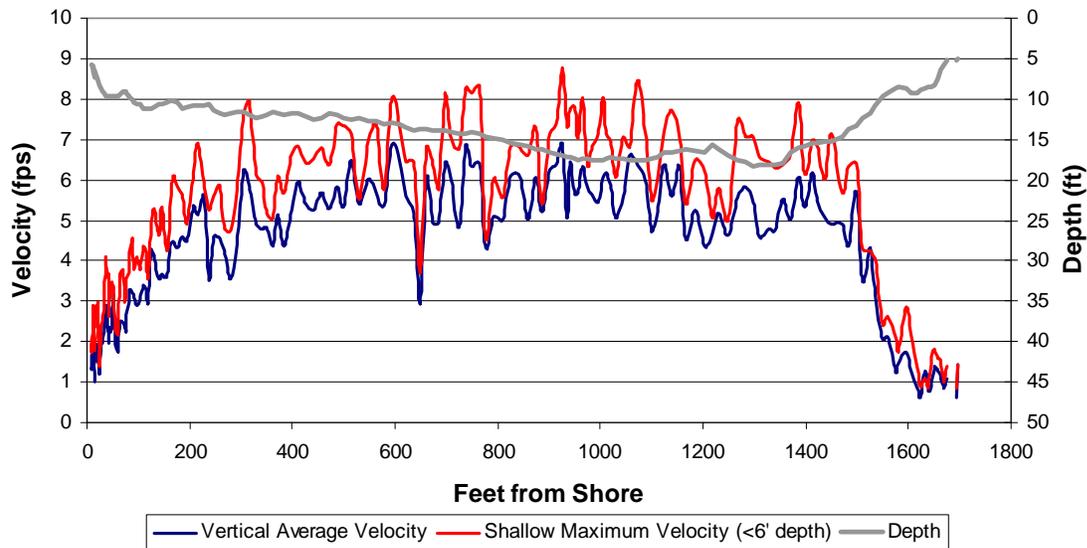


Entire Channel Velocity Depictions

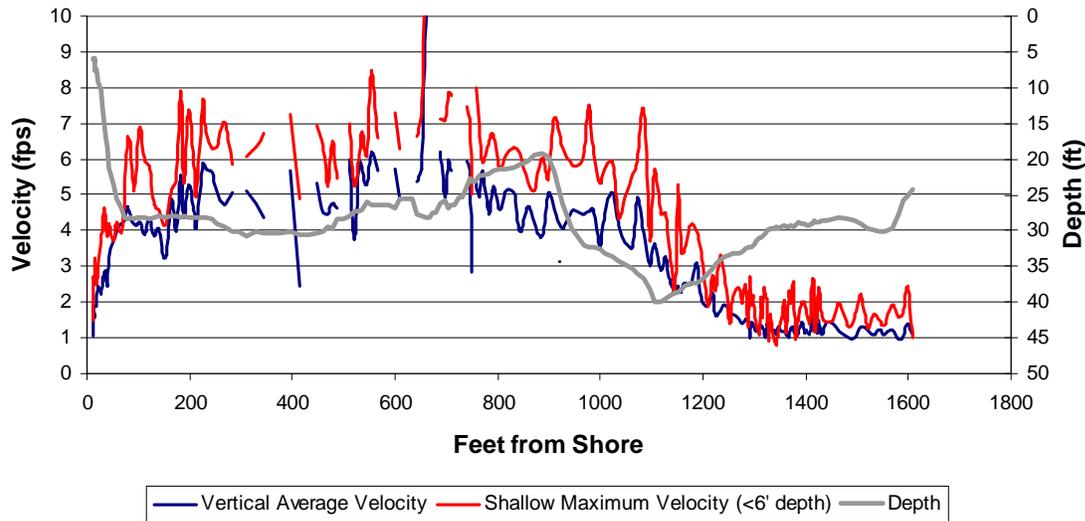
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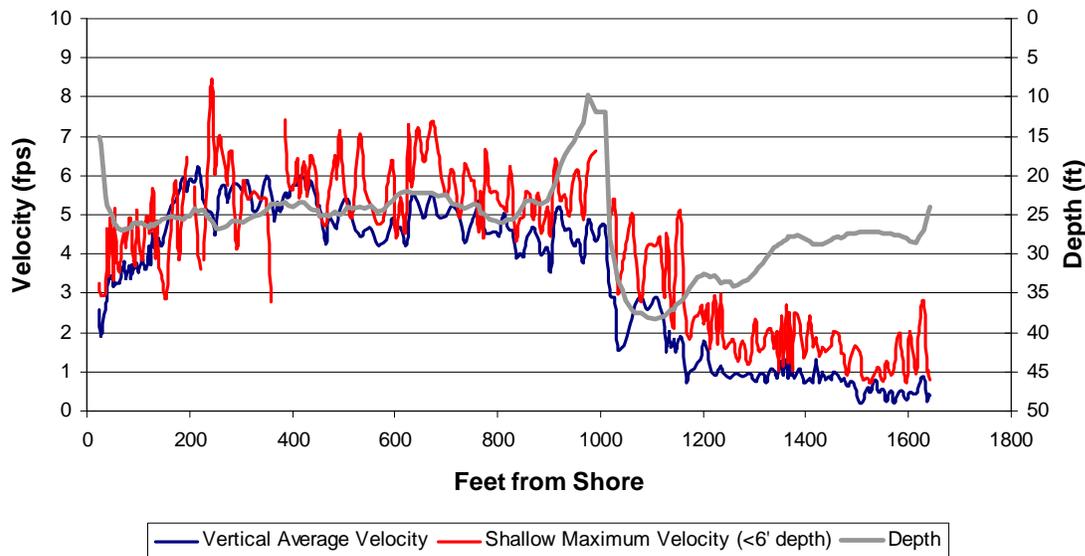
Velocity Summary for Partial River Transect (beginning at Missouri shore),
North Riverfront Park (7/27/07)



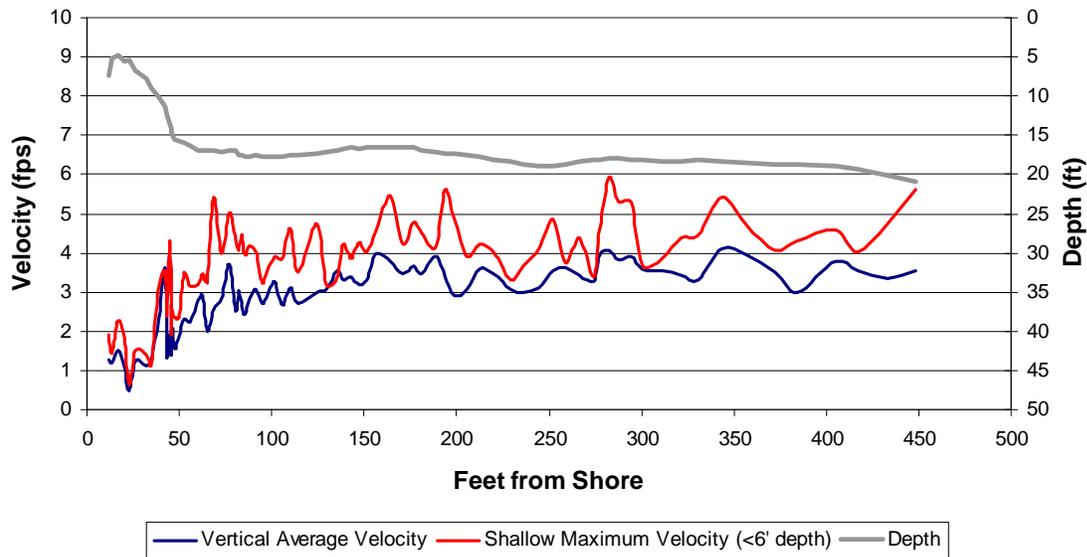
Velocity Summary for Entire River Transect (beginning at Missouri shore),
Maline Creek Confluence (8/6/07)



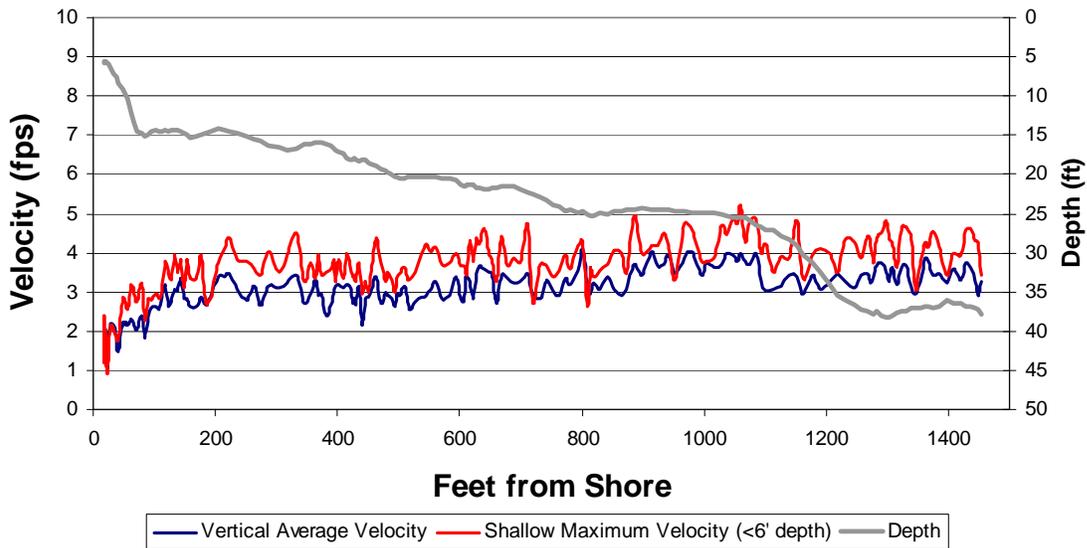
Velocity Summary for Entire River Transect (beginning at Missouri shore),
Ferry Pump Station (7/27/07)



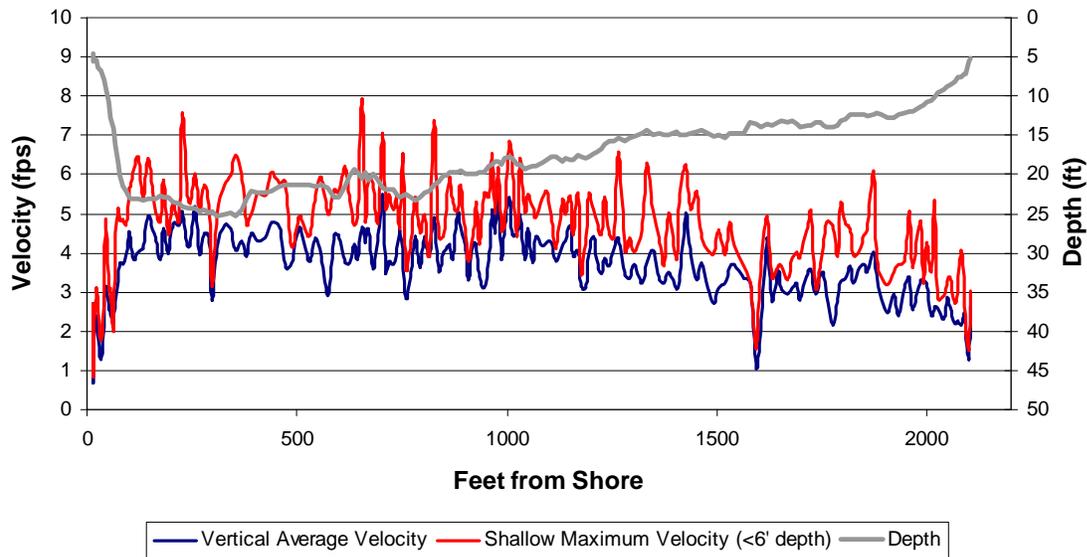
Velocity Summary for Entire River Transect (beginning at Missouri shore),
Ferry Pump Station (8/6/07)



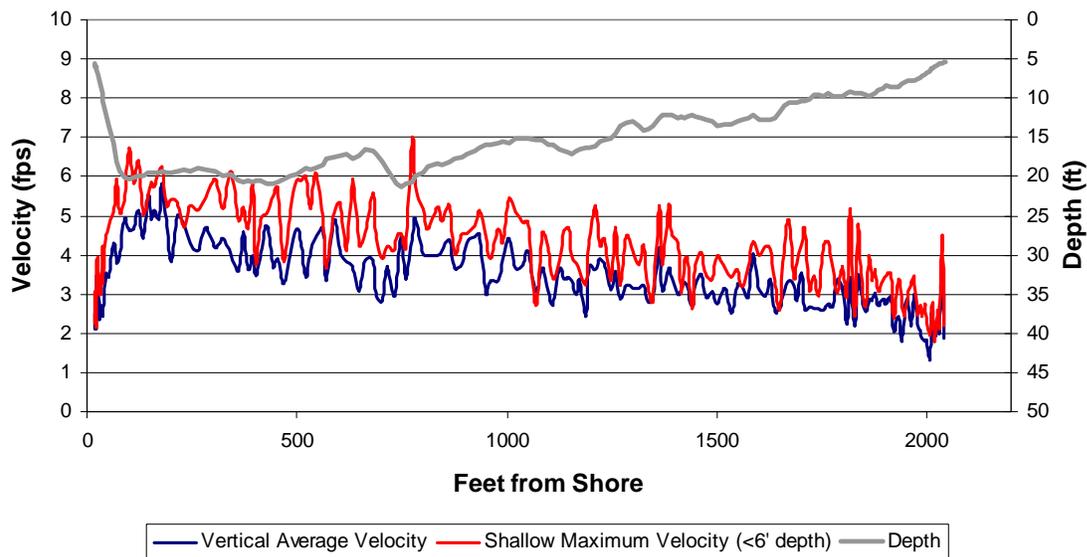
Velocity Summary for Partial River Transect (beginning at Missouri shore), Laclede's Landing (7/27/07)



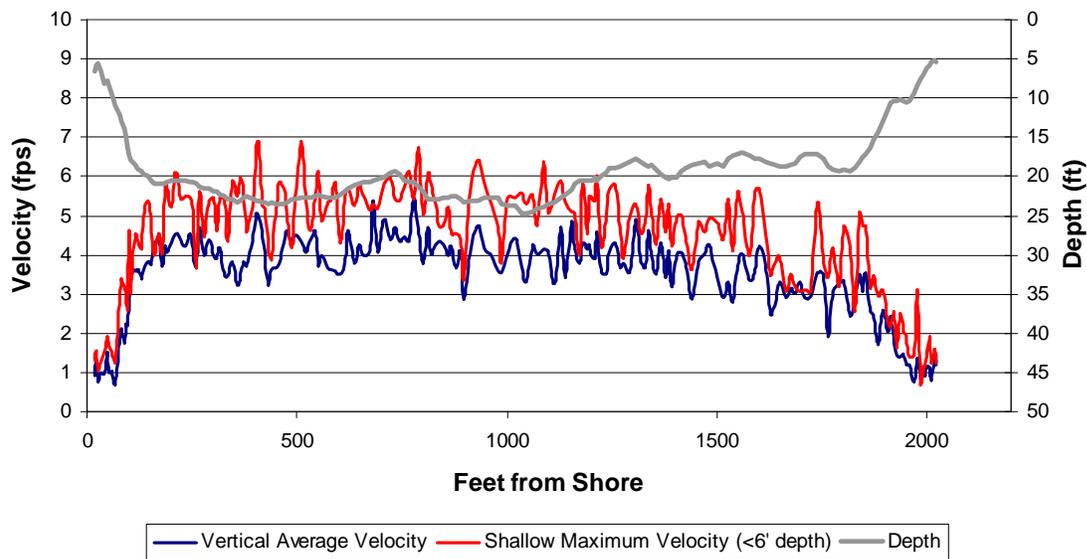
Velocity Summary for Entire River Transect (beginning at Missouri shore), Laclede's Landing (8/6/07)



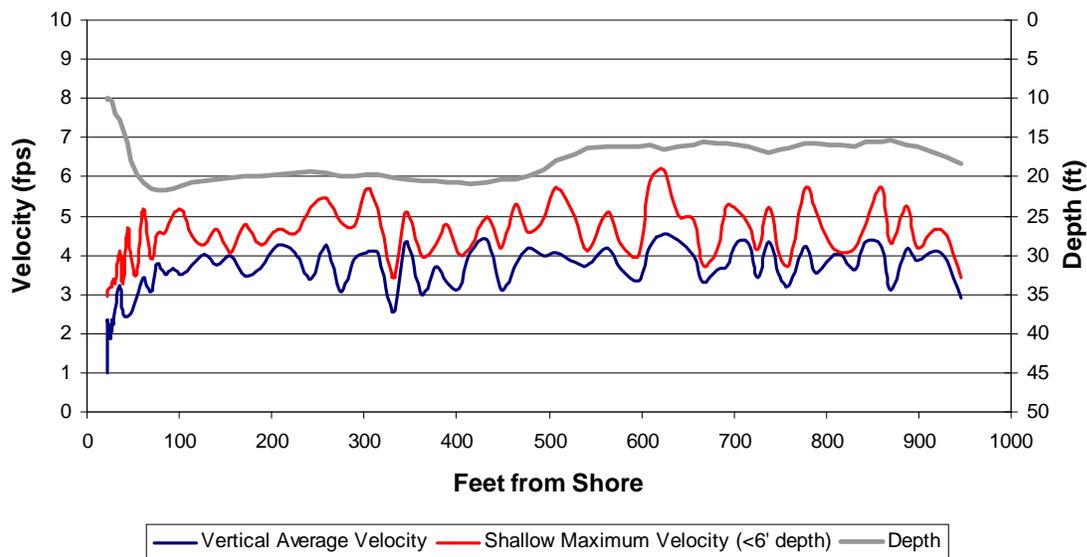
Velocity Summary for Entire River Transect (beginning at Missouri shore),
Jefferson Barracks Park (7/27/07)



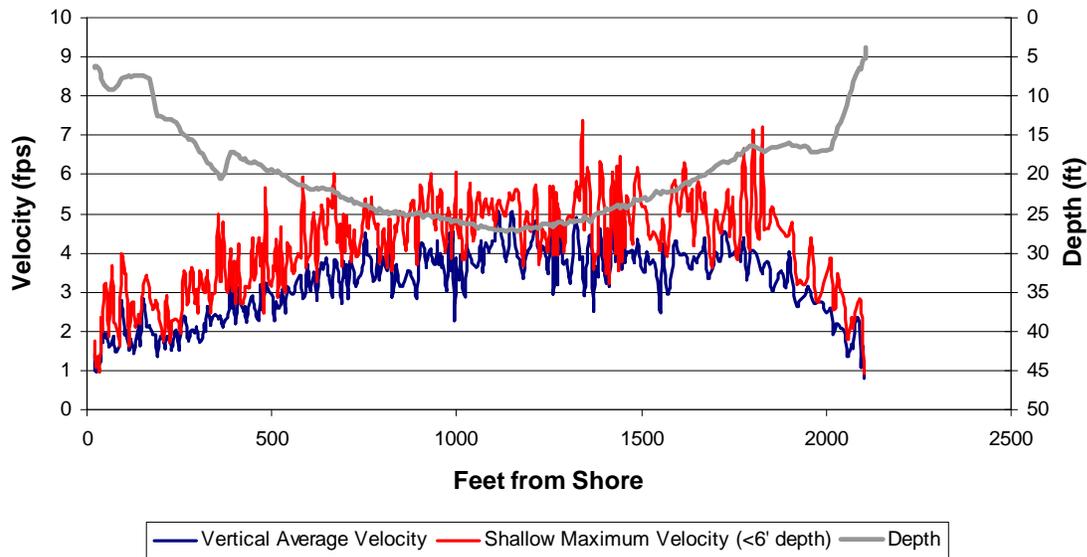
Velocity Summary for Entire River Transect (beginning at Missouri shore),
Jefferson Barracks Park (8/6/07)



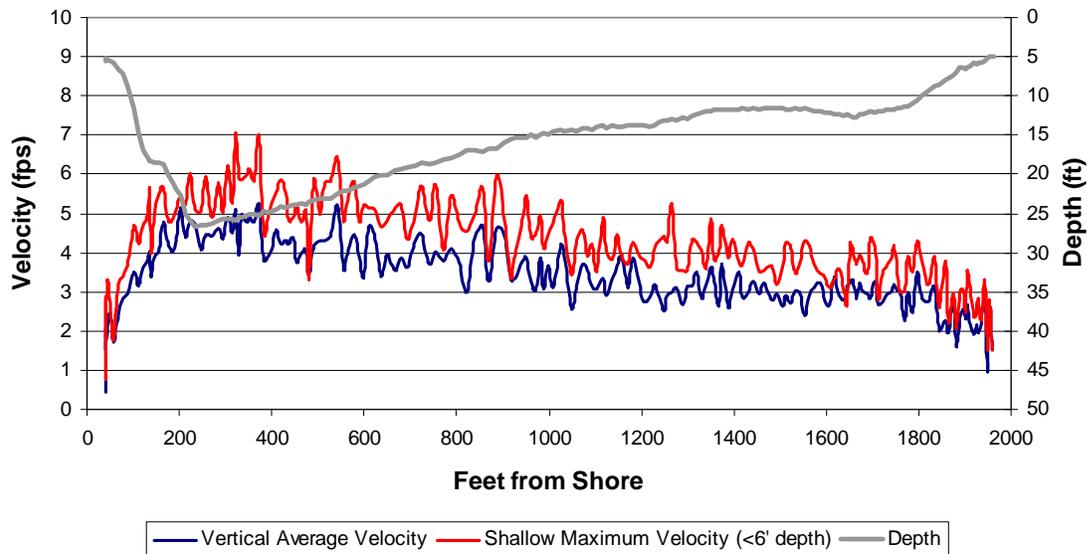
Velocity Summary for Entire River Transect (beginning at Missouri shore),
Cliff Cave Park (7/27/07)



Velocity Summary for Partial River Transect (beginning at Missouri shore),
Cliff Cave Park (8/6/07)



Velocity Summary for Entire River Transect (beginning at Missouri shore), Bee Tree Park (7/27/07)



Velocity Summary for Entire River Transect (beginning at Missouri shore), Bee Tree Park (8/6/07)