



Missouri
Department of
Natural Resources

Use Attainability Analysis

for

WBID 1865 Burgher Branch

Submitted by

Missouri Department of Natural Resources

to

Missouri Department of Natural Resources
Water Protection Program

Date received: July 13, 2005

Field Data Sheets for Recreational Use Stream Surveys

RECEIVED

Data Sheet A - Water Body Identification

2005 JUL 13 PH 3: 58

WATER PROTECTION PROGRAM

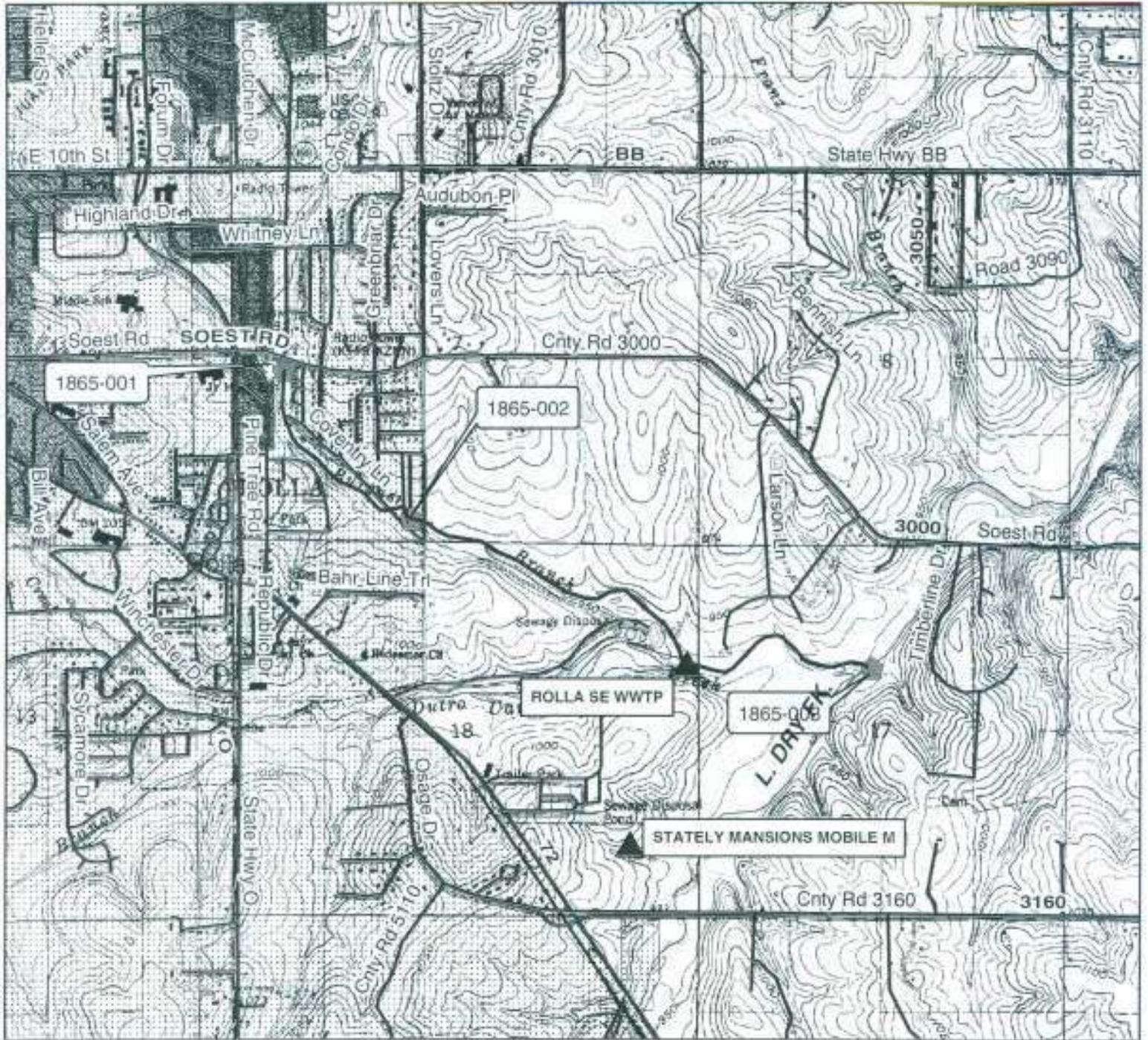
Water Body Name: (from USGS 7.5' quad)	Baigher Branch		
8-digit HUC:	07140102		
Missouri WBID #:	1865		
County:	Phelps		
Upstream Legal Description:			
Downstream Legal Description:			
Upstream Coordinates: (UGS 84, ddd.dddd)	91.74700 / 37.94434		
Downstream Coordinates: (UGS 84, ddd.dddd)	91.73960 / 37.93819		
Discharger Facility Name(s):	15.64	0-0046	0-013600
Discharger Permit Number(s):	MO 0050652; MO 0081981; MO 0113263		
Number of Sites Evaluated:	2		
Name of Surveyor and Telephone Number:	Mary Clark 573-526-1002		
Organization:	MDNK		
Position:	ES II		

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Mary Clark

Date: 7-7-05

Burgher Branch (C) #1865 Phelps County HUC 8 - 07140102



- ▲ Facilities
- Classified Waterbodies
- Roads
- ▨ MUNICIPAL



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 1865-001	Site Location Description:	
Site GPS Coordinates: 91.74700/37.9442	Bridge on Soersd rd. over creek	
Date & Time: 7-7-05 11:20	Facility Name:	
Personnel: Mary Clark	Permit Number:	
Current Weather Conditions: sunny	Weather Conditions for Past 7 days:	
Photo Ids: Upstream: 439	Downstream: 440	Other:

EPE
20

438 = playground

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

<input checked="" type="checkbox"/> City/county parks	<input checked="" type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other: easy access at Park	

in a residential neighborhood

Evidence of Human Use*:

<input checked="" type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input type="checkbox"/> Other:				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

*gray silt
lots of silt (small)*

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft): <u>10</u>	Length (ft): <u>15</u>	Avg. Depth (ft): <u>0.15</u>	Max. Depth (ft): <u>0.25</u>
<input checked="" type="checkbox"/> Run	Width (ft): <u>8</u>	Length (ft): <u>35</u>	Avg. Depth (ft): <u>0.5</u>	Max. Depth (ft): <u>0.6</u>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft ² /sec):	

Downstream View Physical Dimensions:

ok -

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <u>10</u>	Length (ft): <u>25</u>	Avg. Depth (ft): <u>0.5</u>	Max. Depth (ft): <u>0.6</u>
<input checked="" type="checkbox"/> Pool	Width (ft): <u>8</u>	Length (ft): <u>25</u>	Avg. Depth (ft): <u>0.75</u>	Max. Depth (ft): <u>1.0</u>
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft ² /sec):	

Substrate*: (These values should add up to 100%)

<u>85</u> % Cobble	<u>35</u> % Gravel	<u>15</u> % Sand	% Silt	<u>15</u> % Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

*macrophytes in creek (mosses + tall stem w/ umbrella top)
algal growth 20%*

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other: <i>broken bridge</i>
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input checked="" type="checkbox"/> Foam	<input type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. *estimated based on my observations*

Signed: Mary Clark Date: 7-7-05

Organization: MDNR Position: ESTI

Field Data Sheets for Recreational Use Stream Surveys

*upstream 3 TD
drop up 10
sub... but
plywood
to early state*

*EPE
17*

Data Sheet B - Site Characterization
(A separate data sheet must be completed for each site)

Missouri WBID #: <i>1865-002</i>	Site Location Description: <i>Burke Brook</i>	
Site GPS Coordinates: <i>41.73960/87.93819</i>	<i>concrete + sandstone - across the st.</i>	
Date & Time: <i>7-7-05 12:10</i>	Facility Name:	
Personnel: <i>Mary Clark</i>	Permit Number:	
Current Weather Conditions: <i>SUNNY</i>	Weather Conditions for Past 7 days:	
Photo Ids: Upstream: <i>442</i>	Downstream: <i>441</i>	Other:

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.) *near by*

<input checked="" type="checkbox"/> City/county parks	<input checked="" type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input checked="" type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input type="checkbox"/> Steep slopes	<input checked="" type="checkbox"/> Other:	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot paths/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV / ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping Sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPDES Discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: <i>rd to access creek; Plywood in creek</i>				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use

Stream Morphology:

fish, crayfish

Upstream View Physical Dimensions: *of access rd,*

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <i>18</i>	Length (ft): <i>50</i>	Avg. Depth (ft): <i>0.5</i>	Max. Depth (ft): <i>21.0</i>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft ³ /sec):	

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input checked="" type="checkbox"/> Run	Width (ft): <i>18</i>	Length (ft): <i>60</i>	Avg. Depth (ft): <i>0.5</i>	Max. Depth (ft): <i>21.0</i>
<input type="checkbox"/> Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Estimated (ft ³ /sec):	

Build

Substrate*: (These values should add up to 100%.)

<i>50</i> % Cobble	<i>35</i> % Gravel	<i>10</i> % Sand	% Silt	<i>5</i> % Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

algae 5% clonogonium

Water Characteristics*: (Mark all that apply.)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other:
Bottom Deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other:
Surface Deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other:

Comments: Please attach additional comments (including information from interviews) to this form.

*This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. *estimate based on my observation*

Signed: *Mary Clark* Date: *7-7-05*

Organization: *None* Position: *EST*

1865_001 DS



1865_001 US



1865 002 DS



1865_002 US



Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

(A separate data sheet must be completed for each person interviewed.)

Assessor: *Mary Clark*
Interviewed: In person By phone
Date & Time: *7-7-05*
Reason for the interviewee selection: *I was checking on access to creek.*
Water Body Segment Name and Identification Number: *Budger Branch 1065-002*
Water Body Segment Location Description (e.g. Highway 36 Bridge to Missouri River):
Comments: *Coventry + Sandstone - across the street - Rolla.*

—UNSUPERVISED CHILDREN SHALL NOT BE INTERVIEWED—

CONTACT INFORMATION

Legal Name: *Larry Tate*
Current Address: *Coventry + Sandstone*
How long have you lived near this water body?
Other Information, such as phone number, occupation, or age (optional):

no one swims in the creek. kids play in the creek.

PERSONAL USE

Do you or your family recreate on the water body? Yes No

(over)

Activity	# of times/period	When? (season or year)	Where?
Swimming			
Kayaking			
Tubing			
Water Skiing			
Boating			
Wading			
Hunting			
Fishing			
Trapping			
Other			

If no, please state the reasons why (general aesthetics, water quality, lack of depth, weather, safety, velocity):

Comments:

Field Data Sheet for Recreational Use Stream Survey

Data Sheet D—Recreational Use Interview

WITNESSED USE

Has this activity occurred since November 28, 1975? Yes No

Activity	# of times/period	When? (season or year)	Where?
Swimming			
Kayaking			
Tubing			
Water Skiing			
Boating			
Wading	<i>Several</i>	<i>Spring & fall</i>	<i>Near park</i>
Hunting			
Fishing			
Trapping			
Other			

Comments: *Priscilla Stetta Stream Team Coordinator has pictures of Stream Team enjoying the creek.*

ANECDOTAL USE

Has this activity occurred since November 28, 1975? Yes No

Activity	# of times/period	When? (season or year)	Where?
Swimming			
Kayaking			
Tubing			
Water Skiing			
Boating			
Wading			
Hunting			
Fishing			
Trapping			
Other			

Comments:

Assessor's Signature: *Mary Clark*
Date: *7-7-05*

Re: Fwd: Re: Information Request - Michael Kruse/WPCP/DEQ/MODNR



"Nick Girondo"
<Nick.Girondo@mdc.mo.gov>
>

03/27/2008 03:40 PM

To "Michael Kruse" <michael.kruse@dnr.mo.gov>
cc "Cindy DiStefano" <Cindy.DiStefano@mdc.mo.gov>

bcc

Subject Re: Fwd: Re: Information Request

Mike,

Yes, the observations are after 1975. Both observations are since I began work in Rolla in 2005.

Thanks,
Nick

Nick Girondo
Fisheries Management Biologist
12655 State Rte. Y Rolla, MO 65401-6252
Office: 573/368-2590 ext 32
Nick.Girondo@mdc.mo.gov

>>> "Michael Kruse" <michael.kruse@dnr.mo.gov> 3/27/2008 3:27 PM >>>
Nick,

Cindy DiStefano forwarded me your e-mail. Thanks for your help on this matter. Just one more question, did your observations occur after November 28, 1975?

Thanks again,

Mike Kruse
Div. of Env. Quality/Water Protection Program
MO Dept. of Natural Resources, Jeff. City
(573) 522-4901; FAX [522-9920]
e-mail: michael.kruse@dnr.mo.gov

"Cindy DiStefano" <Cindy.DiStefano@mdc.mo.gov>
03/27/2008 02:35 PM

To
"Michael Kruse" <michael.kruse@dnr.mo.gov>
cc

Subject
Fwd: Re: Information Request

>>> Nick Girondo 03/27/08 2:31 PM >>>
Cindy,

Both the Conservation Agents and myself have observed swimming at both

of these locations. I am the one who sent this in as observed public swimming.

Thanks
Nick

Nick Girondo
Fisheries Management Biologist
12655 State Rte. Y Rolla, MO 65401-6252
Office: 573/368-2590 ext 32
Nick.Girondo@mdc.mo.gov

>>> Cindy DiStefano 3/27/2008 9:39 AM >>>
Nick,

I sent the following information to Dave Mayers, but didn't receive a response. Can you help me out? --Cindy

The following is a request received from DNR that I have edited to pertain to your region. If possible, I would like the information by March 26th, so I can meet DNR's deadline.

Email from Mike Kruse, DNR:

I am following up on conversations you previously had with Donna Menown regarding the letter of comments provided to us from John Hoskins and the MDC on 8/24/2005. The letter pertains to observations of whole-body contact recreation in streams we completed Use Attainability Analyses for in 2005. After reviewing the 2005 UAAs additional questions arose that we hope you may be able to answer. We greatly appreciate all your help on this matter.

The following list of streams is of those the MDC observed WBCR, however we need confirmation the actions occurred after 11/28/1975.

Bourbeuse R. (WBID 2049): public swimming observed - Phelps Co.
Burgher Br. (WBID 1865): public swimming observed - Phelps Co.