Use Attainability Analysis

for

WBID 2592 Elkhorn Branch

Submitted by
Missouri Department of Natural Resources Staff

To
Missouri Department of Natural Resources
Water Protection Program

Date Received: July 18, 2005

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad): Elkhorn Branch
8-digit HUC: 11010010
Missouri WBID #: 2592 JUL 18 2005
County: Howell
Upstream Legal Description: NW1/4 NE1/4 Sec.6 T.21N., R.8W.
Downstream Legal Description: NW1/4 SE1/4 Sec.5 T.21N., R.8W.
Upstream Coordinates: N. 36.51873 W. 91.87565
Downstream Coordinates: N. 36.51091 W. 91.85955
Discharger Facility Name(s): NA
Discharger Permit Number(s): NA
Number of Sites Evaluated: 3
Name of Surveyor and Telephone Number: Dennis M. Meinert (314) 416-2960
Organization: Department of Natural Resources, SWCP
Position: Soil Scientist

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

Signed: Dennis M. Meinert Date: 06/14/05

Field Data Sheet for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: WB2592-01	Site Location Description: NW1/4 SE1/4 Sec.5 T.21N., R.8W.	
Site GPS Coordinates: N. 36.51091 W. 91.85955		
Date & Time: 06/14/05 3:00 pm	Facility Name: NA	
Personnel: Leon Thompson, Don Foerster	Permit Number: NA	
Current Weather Conditions: Clear, sunny	Weather Conditions for Past 7 days: Clear, sunny	
Photo Ids: Upstream: WBU2592-01	Downstream: WBD2592-01	Other:

Uses Observed*:

___ Swimming	___ Skin Diving	___ Scuba diving	___ Tubing	___ Water skiing
___ Wind surfing	___ Kayaking	___ Boating	___ Wading	___ Rafting
___ Hunting	___ Trapping	___ Fishing	_X_ None of the above	___ 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.)

___ City/county parks	___ Playgrounds	___ MDC conservation lands	___ Urban areas	___ Campgrounds
___ Boating accesses	___ State parks	___ National forests	___ Nature trails	___ Stairs/walkway
_X_ No trespass sign	_X_ Fence	___ Steep slopes	___ Other:	

Evidence of Human Use*:

_X_ Roads	___ Foot paths/prints	___ Dock/platform	_X_ Livestock Watering	___ RV / ATV Tracks
___ Rope swing	___ Camping Sites	___ Fire pit/ring	___ NPDES Discharge	___ Fishing Tackle
___ 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)

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Field Data Sheet for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

Page Two - WBID #: WB2592-01

Stream Morphology:
Upstream View Physical Dimensions:

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft): 21'	Length (ft): 181'	Avg. Depth (ft): 21"	Max. Depth (ft): 30"
Flow	Present?	(Yes) No	Estimated (ft3/sec):	

Downstream View Physical Dimensions: No water observed.

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present?	Yes No	Estimated (ft3/sec):	

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

10% Cobble	64% Gravel	20% Sand	1% Silt	% Mud/Clay	5% Bedrock

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

None

Water Characteristics*: (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	Green	Gray	Milky	Other:
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other:
Surface Deposit:	Oil	Scum	Foam	None	Other:

Comments: Water is coming into pool, but no water is leaving pool.

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

Signed: Leon Thompson Date: 06/14/05

Organization: Department of Natural Resources SWCP

Position: Soil Scientist

WBID 2592 – Downstream #1

WBID 2592 – Upstream #1

Field Data Sheet for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: WB2592-02	Site Location Description: SE1/4 NW1/4 SEC.5 T.21N. R.8W.	
Site GPS Coordinates: N. 36.57173 W. 9186452		
Date & Time: 06/14/05 3:00 pm	Facility Name: NA	
Personnel: Dennis Meinert, John Horton	Permit Number: NA	
Current Weather Conditions: Clear, sunny	Weather Conditions for Past 7 days: Clear, sunny	
Photo Ids: Upstream: WBU2592-02	Downstream: WBD2592-02	Other:

Uses Observed*:

___ Swimming	___ Skin Diving	___ Scuba diving	___ Tubing	___ Water skiing
___ Wind surfing	___ Kayaking	___ Boating	___ Wading	___ Rafting
___ Hunting	___ Trapping	___ Fishing	_X_ None of the above	___ 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.)

___ City/county parks	___ Playgrounds	___ MDC conservation lands	___ Urban areas	___ Campgrounds
___ Boating accesses	___ State parks	___ National forests	___ Nature trails	___ Stairs/walkway
___ No trespass sign	_X_ Fence	___ Steep slopes	___ Other:	

Evidence of Human Use*:

___ Roads	___ Foot paths/prints	___ Dock/platform	___ Livestock Watering	___ RV / ATV Tracks
___ Rope swing	___ Camping Sites	___ Fire pit/ring	___ NPDES Discharge	___ Fishing Tackle
_X_ Other: None				

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)

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Field Data Sheet for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

Page Two - WBID #: WB2592-02

Stream Morphology:
Upstream View Physical Dimensions: No water observed.

Riffle	Width (ft): 22'	Length (ft): 49'	Avg. Depth (ft): 5"	Max. Depth (ft): 7"
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present? Yes	No	Estimated (ft3/sec):	

Downstream View Physical Dimensions: No water observed.

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft): 19'	Length (ft): 130'	Avg. Depth (ft): 1'	Max. Depth (ft): 18"
Flow	Present? Yes	No	Estimated (ft3/sec):	

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

10% Cobble	50% Gravel	% Sand	% Silt	% Mud/Clay	30% Bedrock

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

<5% floating algae

Water Characteristics*: (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	Green	Gray	Milky	Other:
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other:
Surface Deposit:	Oil	Scum	Foam	None	Other:

Comments: Minnows and crayfish observed.

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

Signed: Dennis M. Meinert Date: 06/14/05

Organization: Department of Natural Resources SWCP

Position: Soil Scientist

WBID 2592 – Downstream #2

WBID 2592 – Upstream #2

Field Data Sheet for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: WB2592-03	Site Location Description: NW1/4 NE1/4 Sec.6 T.21N., R.8W.	
Site GPS Coordinates: N. 36.51873 W. 91.87565		
Date & Time: 06/14/05 3:50 pm	Facility Name: NA	
Personnel: Dennis Meinert, John Horton	Permit Number: NA	
Current Weather Conditions: Clear, sunny	Weather Conditions for Past 7 days: Clear, sunny	
Photo Ids: Upstream: WBU2592-03	Downstream: WBD2592-03	Other:

Uses Observed*:

___ Swimming	___ Skin Diving	___ Scuba diving	___ Tubing	___ Water skiing
___ Wind surfing	___ Kayaking	___ Boating	___ Wading	___ Rafting
___ Hunting	___ Trapping	___ Fishing	_X_ None of the above	___ 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.)

___ City/county parks	___ Playgrounds	___ MDC conservation lands	___ Urban areas	___ Campgrounds
___ Boating accesses	___ State parks	___ National forests	___ Nature trails	___ Stairs/walkway
___ No trespass sign	___ Fence	___ Steep slopes	_X_ Other: Private property	

Evidence of Human Use*:

___ Roads	___ Foot paths/prints	___ Dock/platform	___ Livestock Watering	_X_ RV / ATV Tracks
___ Rope swing	___ Camping Sites	___ Fire pit/ring	___ NPDES Discharge	___ Fishing Tackle
___ Other: 4 Wheeler trail along steam				

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)

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Field Data Sheet for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

Page Two - WBID #: WB2592-03

Stream Morphology:
Upstream View Physical Dimensions:

Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft): 21'	Length (ft): 192'	Avg. Depth (ft): 10"	Max. Depth (ft): 14"
Flow	Present? Yes	No	Estimated (ft3/sec):	

Downstream View Physical Dimensions:

Riffle	Width (ft): 14'	Length (ft): 48'	Avg. Depth (ft): 3"	Max. Depth (ft): 5"
Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
Flow	Present? Yes	No	Estimated (ft3/sec):	

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

40% Cobble	60% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock

Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site)

1% Watercress

Water Characteristics*: (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other:
Color:	Clear	Green	Gray	Milky	Other:
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other:
Surface Deposit:	Oil	Scum	Foam	None	Other:

Comments: Minnow and crayfish observed.

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Signed: Dennis M. Meinert Date: 06/14/05

Organization: Department of Natural Resources SWCP

Position: Soil Scientist

WBID 2592 – Downstream #3

WBID 2592 – Upstream #3

STREAM NAME

_____ Elkhorn Branch_____

PHOTO	WBID	UP	DOWN	USE	COMMENTS
1	2592	X		Cattle watering	Pool
2	2592		X	No use	No water
3	2592			No use	No water
4	2592			No use	No water
5	2592			No use	Pool
6	2592			No use	Riffle
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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22					
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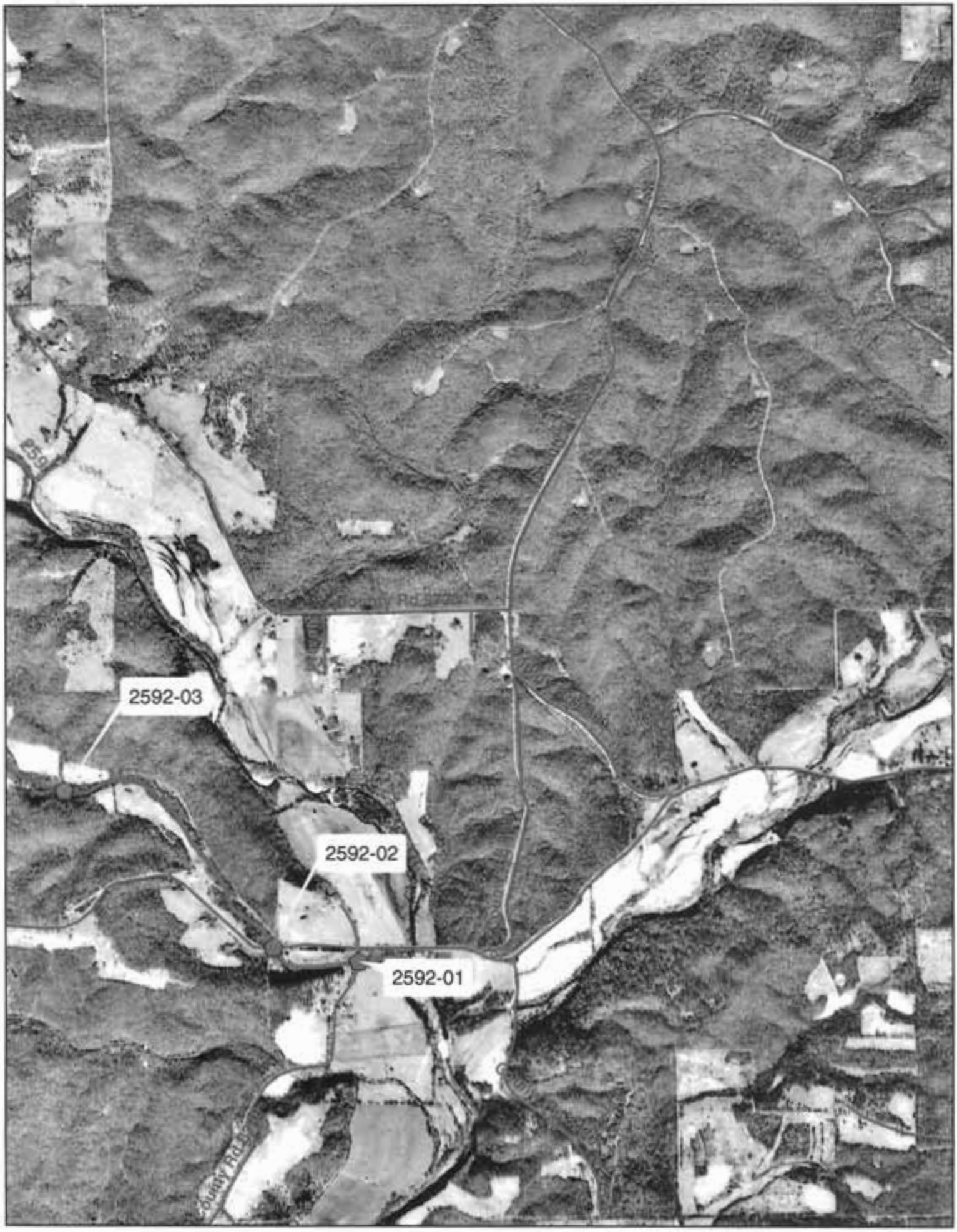
2592-03
2592-02
2592-01

WHITE RIVER STATE FOREST
Unnamed
Private
Hollow
Matne
County Rd 8390
County Rd 9720
Private
2592-03
Fork
2592-02
County Rd 8390
2592-01
Cole
Private