Use Attainability Analysis

for

WBID 3606 Panther Hollow

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): Panther Hollow
8-digit HUC: 1101008
Missouri WBID #: 3606
County: Howell
Upstream Legal Description: NW1/4 NW1/4 Sec.11 T.27N., R.7W.
Downstream Legal Description: SW1/4 NE1/4 Sec.2 T.27N., R.7W.
Upstream Coordinates: N. 37.03289 W. 91.69064
Downstream Coordinates: N. 37.04409 W. 91.68116
Discharger Facility Name(s): NA
Discharger Permit Number(s): NA
Number of Sites Evaluated: 3
Name of Surveyor and Telephone Number: Dennis M. Meinert Leon Thompson 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: 06/22/05

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 #: WB3606-01	Site Location Description: NW1/4 NW1/4 Sec.11 T.27N., R.7W.	
Site GPS Coordinates: N. 37.03289 W. 91.69064		
Date & Time: 06/22/05 4:30 pm	Facility Name: NA	
Personnel: Leon Thompson, Dennis Meinert	Permit Number: NA	
Current Weather Conditions: Mostly sunny	Weather Conditions for Past 7 days: Scattered showers	
Photo Ids: Upstream: WBU3606-01	Downstream: WBD3606-01	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
___ No trespass sign	___ Fence	_X_ Steep slopes	___ Other: no water, private property	

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 #: WB3606-01

Stream Morphology:
Upstream 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):	

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%.)

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

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

Non-aquatic vegetation growing in stream bed.

Water Characteristics*: (Mark all that apply.)

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

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

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Signed: Dennis M. Meinert Date: 06/22/05

Organization: Department of Natural Resources SWCP

Position: Soil Scientist

WBID 3606 – Downstream #1

WBID 3606 – 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 #: WB3606-02	Site Location Description: SW1/4 NW1/4 SEC.2 T.27N. R.7W.	
Site GPS Coordinates: N. 37.04216 W. 91.68868		
Date & Time: 06/22/05 5:10 pm	Facility Name: NA	
Personnel: Leon Thompson, Dennis Meinert	Permit Number: NA	
Current Weather Conditions: Mostly sunny	Weather Conditions for Past 7 days: Scattered showers	
Photo Ids: Upstream: WBU3606-02	Downstream: WBD3606-02	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	___ Fence	___ Steep slopes	_X_ Other: no water, private property	

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 #: WB3606-02

Stream Morphology:
Upstream 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):	

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%.)

25% Cobble	5% Gravel	75% Sand	% Silt	% Mud/Clay	% 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: none
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other:
Surface Deposit:	Oil	Scum	Foam	None	Other:

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

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Organization: Department of Natural Resources SWCP

Position: Soil Scientist

WBID 3606 – Downstream #2

WBID 3606 – 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 #: WB3606-03	Site Location Description: SW1/4 NE1/4 Sec.2 T.27N., R.7W.	
Site GPS Coordinates: N. 37.04409 W. 91.68116		
Date & Time: 06/22/05 5:25 pm	Facility Name: NA	
Personnel: Leon Thompson, Dennis Meinert	Permit Number: NA	
Current Weather Conditions: Mostly sunny	Weather Conditions for Past 7 days: Scattered showers	
Photo Ids: Upstream: WBU3606-03	Downstream: WBD3606-03	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	___ 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 #: WB3606-03

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): 11'	Length (ft): 40'	Avg. Depth (ft): 8"	Max. Depth (ft): 1'
Flow	Present? Yes	No	Estimated (ft3/sec):	

Downstream View Physical Dimensions:

Riffle	Width (ft): 9'	Length (ft): 24'	Avg. Depth (ft): 1"	Max. Depth (ft): 2"
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%.)

5% Cobble	5% Gravel	% Sand	% Silt	% Mud/Clay	90% 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: Please attach additional comments (including information from interviews) to this form.

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Organization: Department of Natural Resources SWCP

Position: Soil Scientist

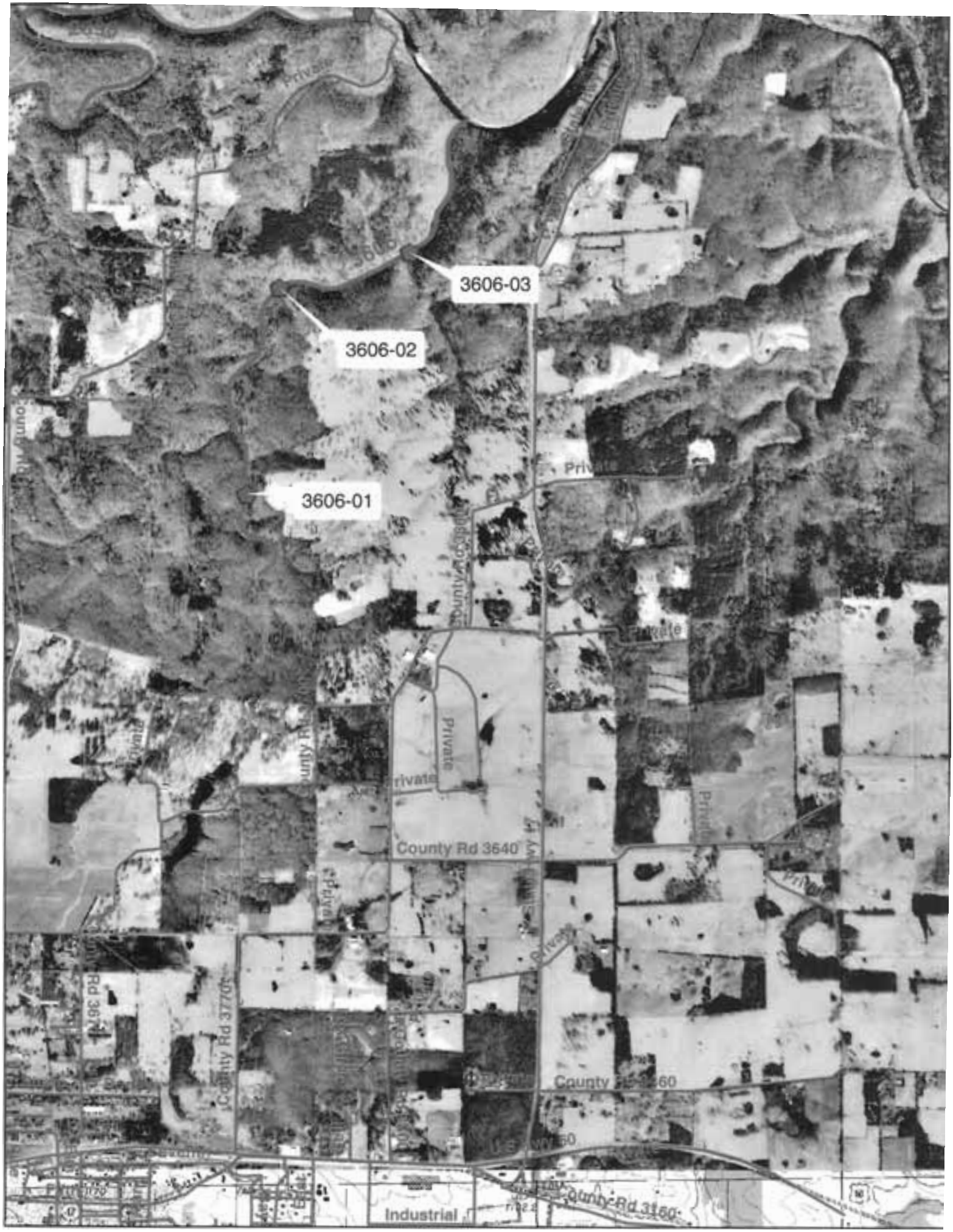
WBID 3606 – Downstream #3

WBID 3606 – Upstream #3

STREAM NAME

Panther Hollow

PHOTO	WBID	UP	DOWN	USE	COMMENTS
1	3606	X		No use evident	No water
2	3606		X	No use evident	No water
3	3606	X		No use evident	No water
4	3606		X	No use evident	No water
5	3606	X		No use evident	Small pool
6	3606		X	No use evident	Small riffle on bedrock


3606-03
3606-02
3606-01
Private
County Rd 3640
County Rd 3770
Industrial

OZARK NATIONAL SCE
TEXAS
HOWELL
3606-02
3606-03
3606-01
County Rd 3940
County Rd 3530
Private
County Rd 3860
County Rd 3700
S B E R R Y
County Rd 3640
State Hwy 17
County Rd 3670
County Rd 3770
County Rd 3500
County Rd 3460
Sharp
Buddy
Eighth
Mountain View
U S Hwy 60
Industrial