Use Attainability Analysis

for

WBID 3617 Mineral Spring Hollow

Submitted by
Missouri Department of Natural Resources Staff

To
Missouri Department of Natural Resources
Water Protection Program

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WATER PROTECTION PROGRAM

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

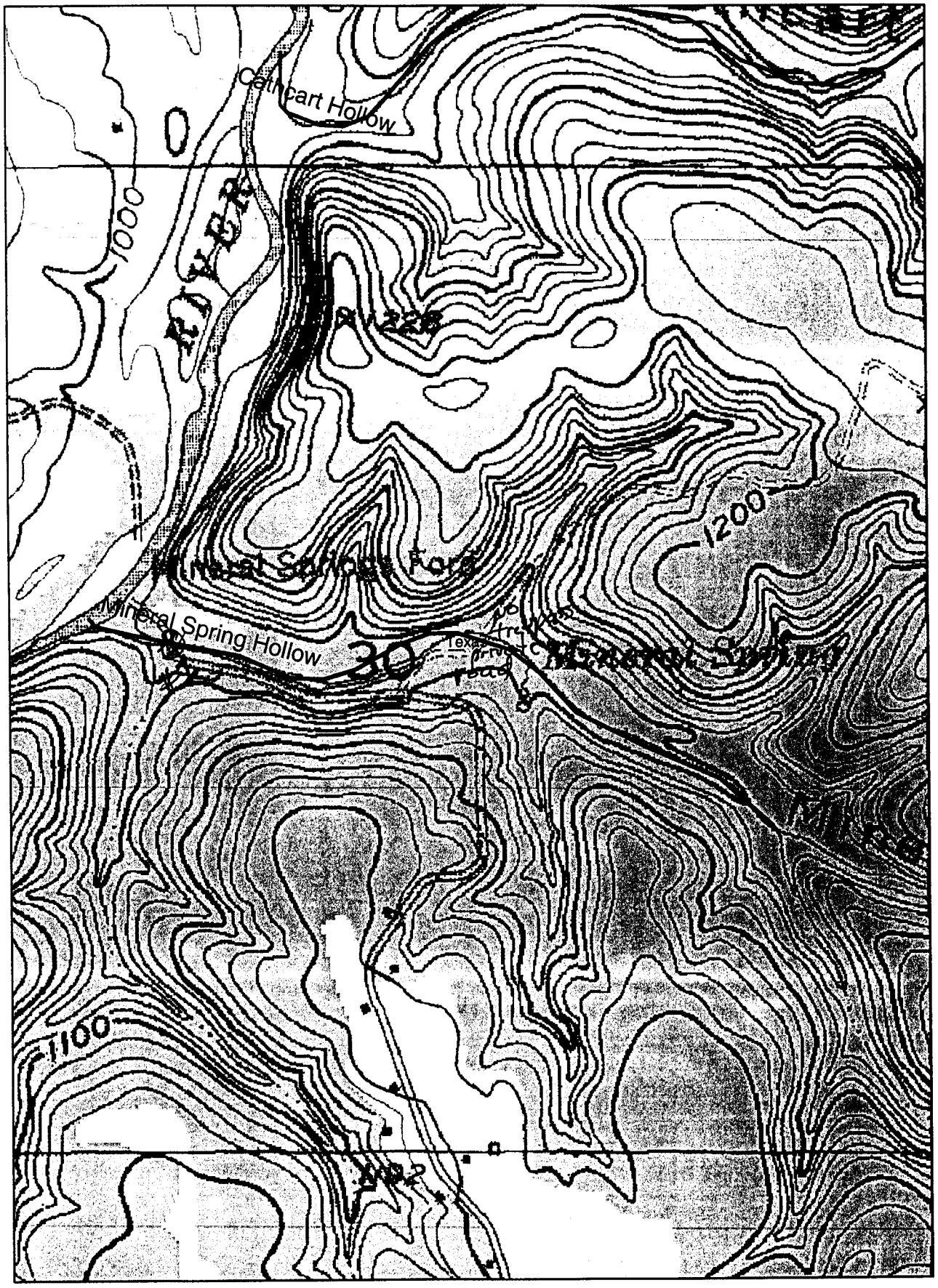
Water Body Name (from USGS 7.5' quad):	Mineral Spring Hollow
8-digit HUC:	10290202
Missouri WBID #:	3617
County:	Texas
Upstream Legal Description:	S.30 T.31N. R.9W.
Downstream Legal Description:	
Upstream Coordinates:	N: 37.36242° W: 91.96915°
Downstream Coordinates:	
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated:	1
Name of Surveyor and Telephone Number:	Wyn Kelley 573/884-3440
Organization:	MDNR
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.

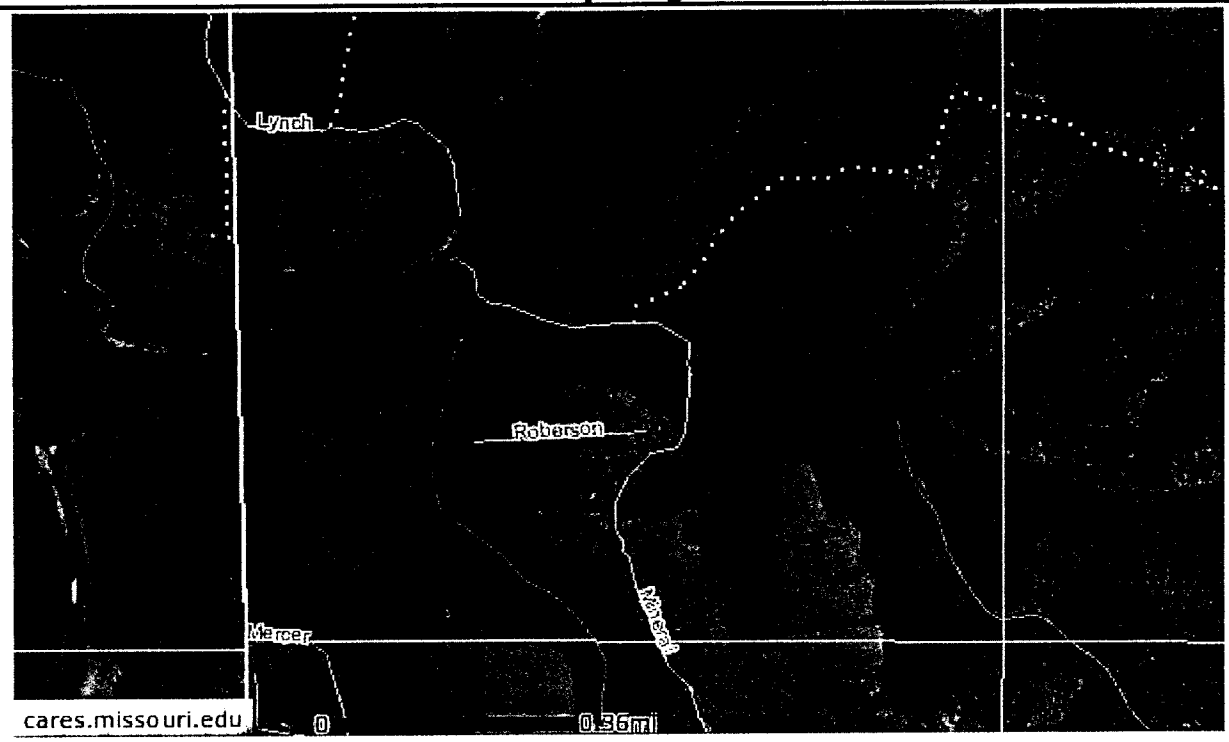
Signed: Wyn Kelley **Date:** 6/22/05

Mineral Spring Hollow
Trib Big Piney R.2
WBID# 3617

Huc8 10290202



Mineral Spring Hollow



Legend

Roads and Highways

- Interstate
- U.S. Highway
- State Numbered Highway
- State Lettered Highway
- Principal Road
- Road or Street
- Private Road or Drive

Public Land Survey Lines

- Section Boundary
- Land Grant Boundary
- Township Boundary
- (cont)

- State Boundary
- Artificial Boundary

1:24,000 Rivers and Streams

- Perennial Stream/River
- Intermittent Stream/River
- Artificial Path (Approx. Centerline)
- Undifferentiated Stream/River
- Canal or Ditch
- Other Hydrologic Feature

1994-2000 Aerial Photos (DOQQs)

Location Map

Map prepared by:
http://cares.missouri.edu, 6/20/2005.

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 #: 3617-01	Site Location Description:
24 ft — Site GPS Coordinates: N: 37.36242° W: 91.96915°	
Date & Time: 6/22/05 12:00	Facility Name:
Personnel: Wyn Kelley	Permit Number:
Current Weather Conditions: hot & dry	Weather Conditions for Past 7 days: warm & dry
Photo Ids: Upstream: 3617U-01 #17 / Downstream: 3617D-02 #18	Other:

Uses Observed*:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☑ 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 (Mineral Springs Fishing Access)	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes	☐ Other:	

Evidence of Human Use*:

☑ Roads (Mineral Springs Rd crossing)	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ 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)

*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.

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

Page Two – WBID #3617:

Stream Morphology:

Upstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Run	Width (ft): 2	Length (ft): 100	Avg. Depth (ft): 0.20	Max. Depth (ft): 0.25
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec):	

Downstream 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): 15	Length (ft): 200	Avg. Depth (ft): 1.3	Max. Depth (ft): 2.00
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec):	

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

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

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

little to none observed

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.

several small fish observed

*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.

Signed: [signature] Date: 6/22/05

Organization: MDNR Position: Soil Scientist

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