Use Attainability Analysis

for

WBID 0319 Wilkerson Creek

Submitted by
Missouri Department of Natural Resources Staff

To
Missouri Department of Natural Resources
Water Protection Program

Field Data Sheets for Recreational Use Stream Surveys

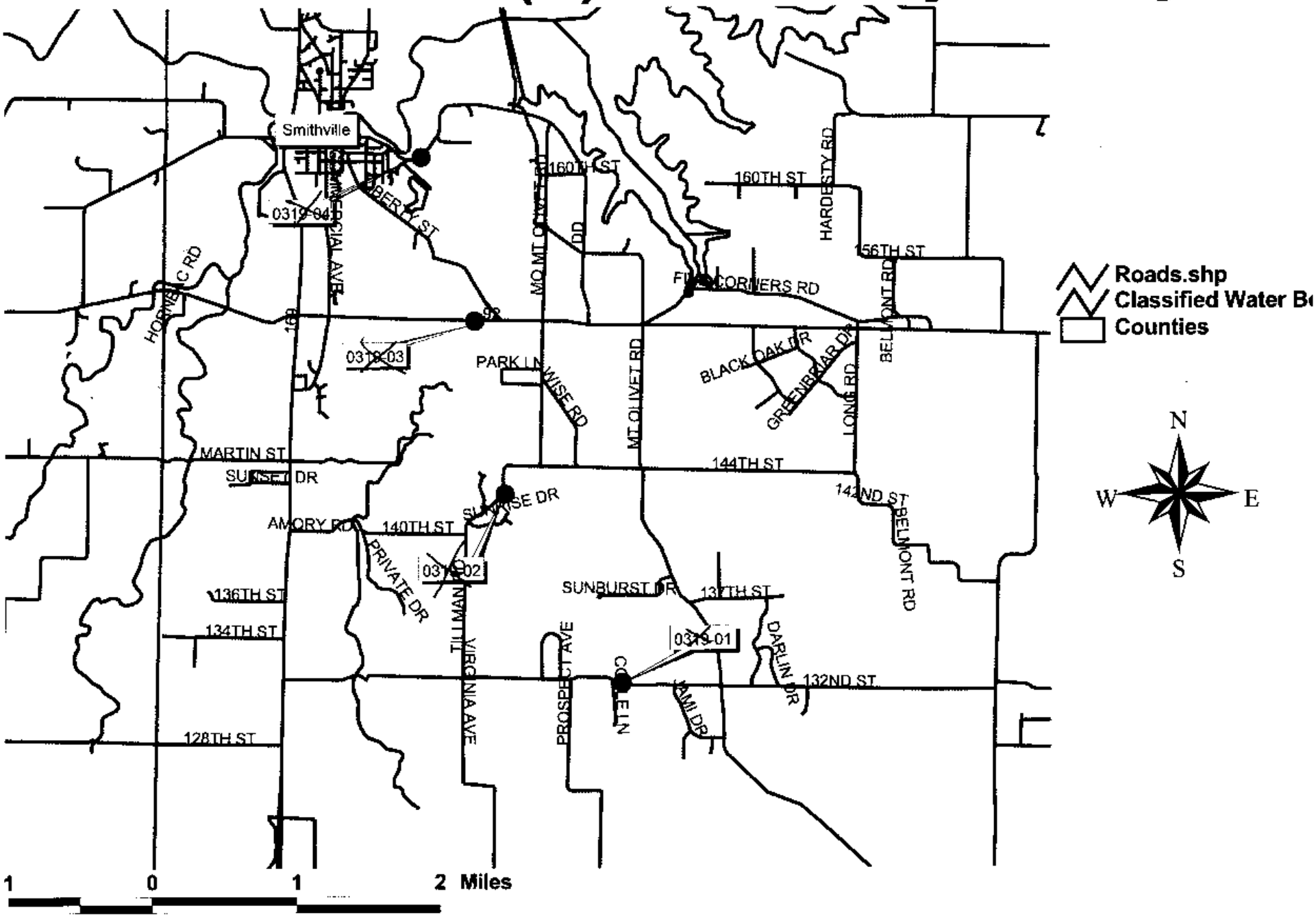
Data Sheet A - Water Body Identification

Water Body Name: (from USGS 7.5' quad)	WILKERSON CREEK
8-digit HUC:	10240012 SmB
Missouri WBID #:	0319
County:	CLAY
Upstream Legal Description:	
Downstream Legal Description:	
Upstream Coordinates: (UGS 84, ddd.ddddd)	15 0367152 4354802 - DM 6/29/05
Downstream Coordinates: (UGS 84, ddd.ddddd)	0364939 4360652 - DM 6/29/05
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated:	4
Name of Surveyor and Telephone Number:	RM Duchrow
Organization:	DNR - WPP
Position:	Sr Fm Biologist

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

Signed: _____ **Date:** 6/28/05

Wilkerson Creek (C) #0319 Clay County



Field Data Sheets for Recreational Use Stream Surveys

Page Two – WBID # 0319-01 **:** **Data Sheet B - Site Characterization**

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): 20	Length (ft): 150+	Avg. Depth (ft): >3'	Max. Depth (ft):
☐ Flow	Present? ☐ Yes ☑ No		Estimated (ft^3/sec):	

Downstream View Physical Dimensions:

☑ Riffle	Width (ft): 3'	Length (ft): 20'	Avg. Depth (ft): ≈0.25	Max. Depth (ft):
☐ Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Pool	Width (ft): 50	Length (ft): 100	Avg. Depth (ft): >3'	Max. Depth (ft):
☐ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec): 1-3 cfs	

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

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
Could not determine					

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

Slightly Algal Bloom noted. US and DS
Talked to local resident: Complained of Npt erosion RO from nearby home construction to NE of site

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: Too Deep
Surface Deposit:	☐ Oil	☐ Scum	☐ Foam	☑ None	☐ Other:

Comments: Please attach additional comments (including information from interviews) to this form.
Stream is fishable but wading difficult at this point

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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: [signature] **Date:** 5/31/05

Organization: DNR-WPP Position: ST Biologist

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 #: 0319-01	Site Location Description:
Site GPS Coordinates: 15 0367152 4354804	NE 132nd ST BR
Date & Time: 05/31/05 1058 hrs	Facility Name:
Personnel: RWD	Permit Number:
Current Weather Conditions: PC 70°F	Weather Conditions for Past 7 days: CLEAR to PC
Photo Ids: Upstream: 100-0002 Downstream: 100-0003	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	☐ 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	☐ 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)

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0319_01_US

0319_01_DS

Page Two – Data Sheet B for WBID # 0319-02 **:**

Stream Morphology:

Upstream View Physical Dimensions:

☑ Riffle	Width (ft):	10	Length (ft):	15	Avg. Depth (ft):	0.1	Max. Depth (ft): 0.3
☐ Run	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☑ Pool	Width (ft):	20	Length (ft):	50	Avg. Depth (ft):	1	Max. Depth (ft): 3.5
☐ Flow	Present?	☑ Yes ☐ No			Estimated (ft^3/sec):	1-3 cfs	

Downstream View Physical Dimensions:

☑ Riffle	Width (ft):	4.5	Length (ft):	30	Avg. Depth (ft):	0.1	Max. Depth (ft): 0.2
☐ Run	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth (ft):
☑ Pool	Width (ft):	10	Length (ft):	100	Avg. Depth (ft):	0.5	Max. Depth (ft): >1.0
☐ Flow	Present?	☑ Yes ☐ No			Estimated (ft^3/sec):	1-3 cfs	

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

10	% Cobble	20	% Gravel	30	% Sand	50	% Silt	% Mud/Clay	% Bedrock

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

None noted. Slight algal bloom in pools.

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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Signed: _____ **Date:** 05/31/05

Organization: DNR-WPP Position: ST Biologist

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 #: 0319-02	Site Location Description:
Site GPS Coordinates: 15 0365910 4356934	Virginia Ave / NE 144th St BR
Date & Time: 5/31/05 1150 hrs	Facility Name:
Personnel: RC	Permit Number:
Current Weather Conditions: PC	Weather Conditions for Past 7 days: Clear - PC
Photo Ids: Upstream: 100-0004 Downstream: 100-0005	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	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes	☑ Other: Rural	

Evidence of Human Use*:

☑ Roads	☐ 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)

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0319_02_US

0319_02_DS

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 #: 0319-03	Site Location Description:
Site GPS Coordinates: 15 0365544 4358855	HWY 92 BR
Date & Time: 05/31/05 1233 hrs.	Facility Name:
Personnel: [illegible]	Permit Number:
Current Weather Conditions: PC	Weather Conditions for Past 7 days: Clear - PC
Photo Ids: Upstream: 100-05306 Downstream: 100-05307	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	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes	☑ Other: Rural - Crops/Riparian cover	

Evidence of Human Use*:

☑ Roads	☐ 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)

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Page Two – Data Sheet B for WBID # 0319-03 :

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): 30	Length (ft): 300	Avg. Depth (ft): 0.5	Max. Depth (ft): 2.0
☑ Flow	Present? ☐ Yes ☒ No		Estimated (ft^3/sec):	

Downstream View Physical Dimensions:

☑ Riffle	Width (ft): 5	Length (ft): 30	Avg. Depth (ft): 0.1	Max. Depth (ft): 0.2
☐ Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Pool	Width (ft): 45	Length (ft): 90	Avg. Depth (ft): 0.5	Max. Depth (ft): 1.0
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec): 5-10 cfs	

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

20 % Cobble	40 % Gravel	30 % Sand	10 % Silt	% Mud/Clay	% Bedrock

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

Algae 30%
Cladophora - 50%
Filamentous - 20%

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

Signed: _____ **Date:** 5/31/05

Organization: DNR-WPP Position: ST Biologist

0319_03_US

0319_03_DS

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 #: 0319-04		Site Location Description:
Site GPS Coordinates: 0364939 4360652		HWY DD BR
Date & Time: 5/31/05 1300 hrs		Facility Name:
Personnel: [illegible]		Permit Number:
Current Weather Conditions: PC		Weather Conditions for Past 7 days: Clear-PC
Photo Ids: Upstream: 100-0008	Downstream: 100-0009	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	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes	☐ Other: Rural - nearby Rec Area	

Evidence of Human Use*:

☑ Roads	☐ 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)

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Field Data Sheets for Recreational Use Stream Surveys

Page Two – WBID # 0319-04 **:**

Data Sheet B - Site Characterization

Stream Morphology:

Upstream View Physical Dimensions:

☑ Riffle	Width (ft): 10	Length (ft): 15	Avg. Depth (ft): < 0.1	Max. Depth (ft): 0.1
☐ Run	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☑ Pool	Width (ft): 25	Length (ft): 100	Avg. Depth (ft): 0.1	Max. Depth (ft): 0.3
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec): 1-3 cfs	

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): 25	Length (ft): 150+	Avg. Depth (ft): 0.2	Max. Depth (ft): 0.5
☑ Flow	Present? ☑ Yes ☐ No		Estimated (ft^3/sec): 1-3 cfs	

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

% Cobble	% Gravel	% Sand	% Silt	% Mud/Clay	% Bedrock
20	60	20			

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

Filamentous on pool edges 10% of stream width

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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Signed: [signature] **Date:** 5/31/05

Organization: DWR-WPP Position: ST Biologist

0319_04_US

0319_04_DS