Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: N. FK. M. Fabius R.

Water Body Identification #: 0065

Completed UAA Checklist:

- G Pre-Field Preparatory Data Sheet
- G Maps with actual survey sites marked
- G Data Sheet A
- G Data Sheet B – 3 of 3 pages for each site
  - Number of Sites: 6
- G Data Sheet C (if applicable)
  - Number of Interviews: 0
- G Photographs
  - Quantities
    - Upstream 6
    - Downstream 6
    - Other 8

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

Signed: Jessica Crowley Date: 7/22/06

Printed Name: Jessica Crowley Telephone #: 410-356-8993

Organization: Tetra Tech Inc Position: Scientist

Pre-Field Preparatory Data Sheet
for Recreational Use Stream Surveys

Water Body Name: N. Fk. M. Fabius R. (from USGS 7.5' quad)	
8-digit HUC: 71100102	Missouri Water Body Identification (WBID) #: 0065
County: Schuyler	
Upstream Legal Description:	
Downstream Legal Description:	
Discharger Facility Name(s): Lancaster WWTF	
Discharger Permit Number(s): MO 0039691	
Weather Conditions for Past 7 days: partly cloudy, warm 80°	

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

WBID # 0065

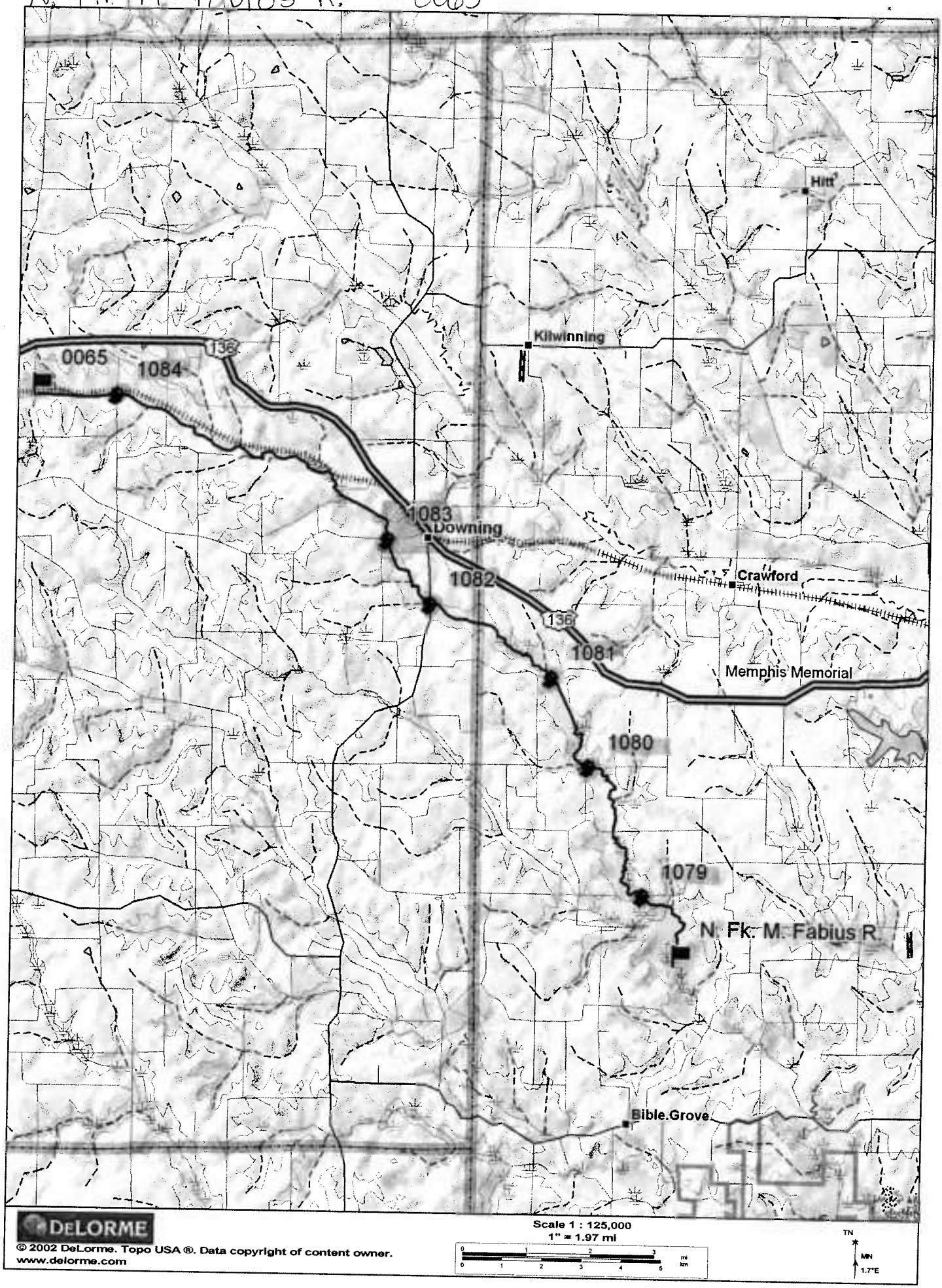
Date: 7/22/06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name:	N. Fk. M. Fabius R.
WBID #:	0065
Upstream Coordinates: (WGS 84, ddd.ddddd)	40.51567, -92.46909
Downstream Coordinates: (WGS 84, ddd.ddddd)	40.40400, -092.30071
Current Weather Conditions:	warm 80°, partly cloudy
Number of Sites Evaluated:	6
Name(s) of Surveyor(s):	D.B., S.C.

N. Fk. M. Fabius R. 0065



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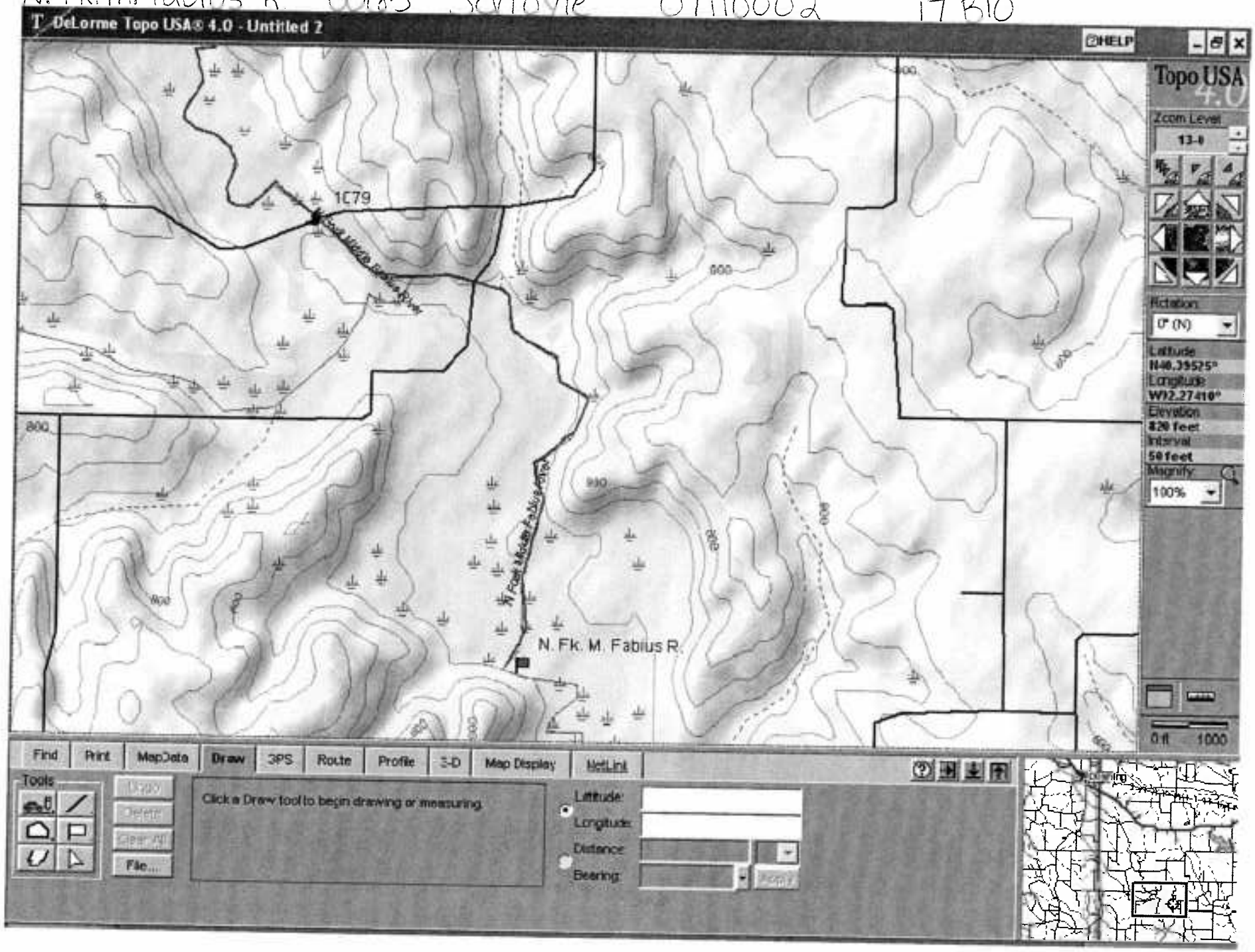
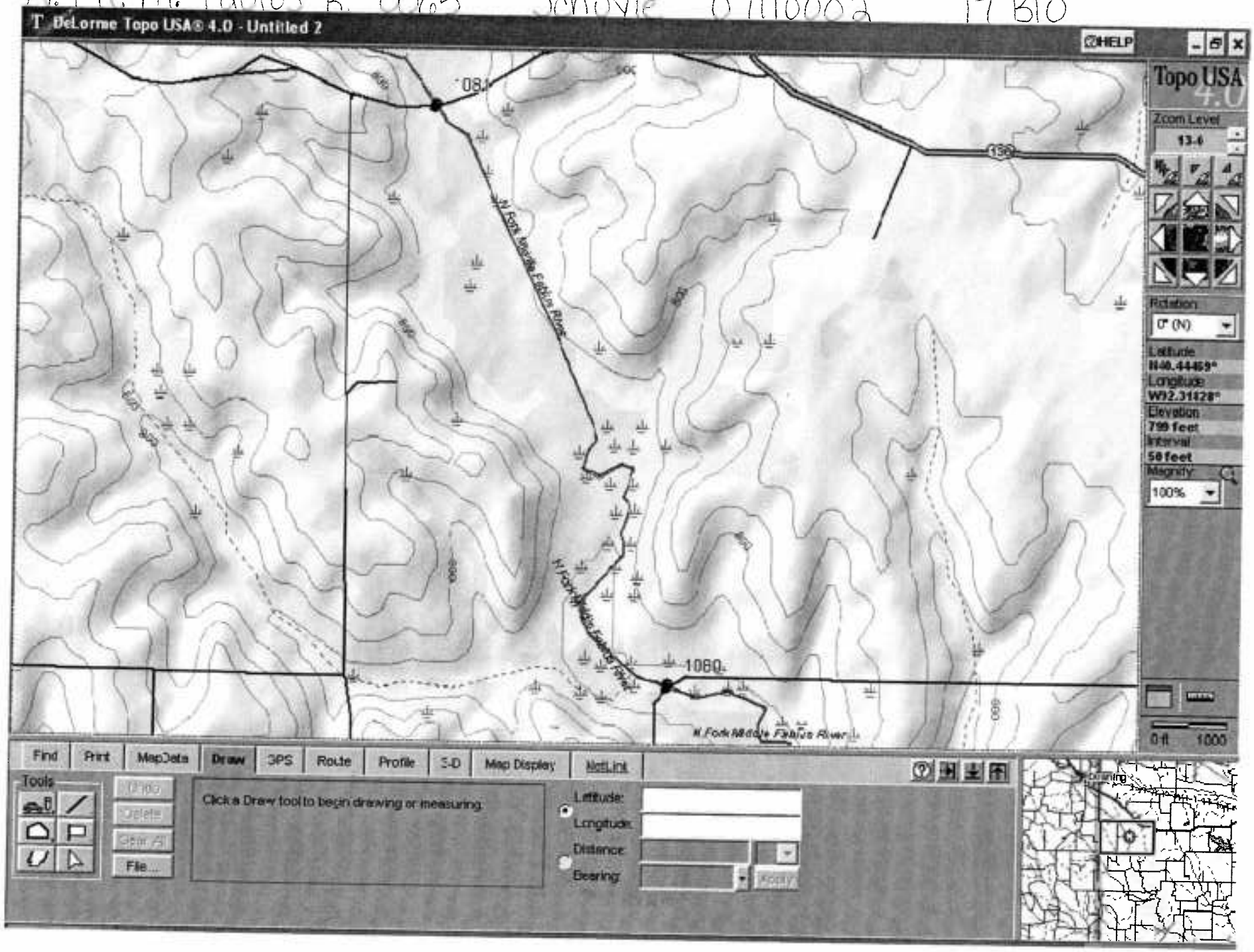
Scale 1 : 125,000
1" ≈ 1.97 mi

TN
MN
1.7°E

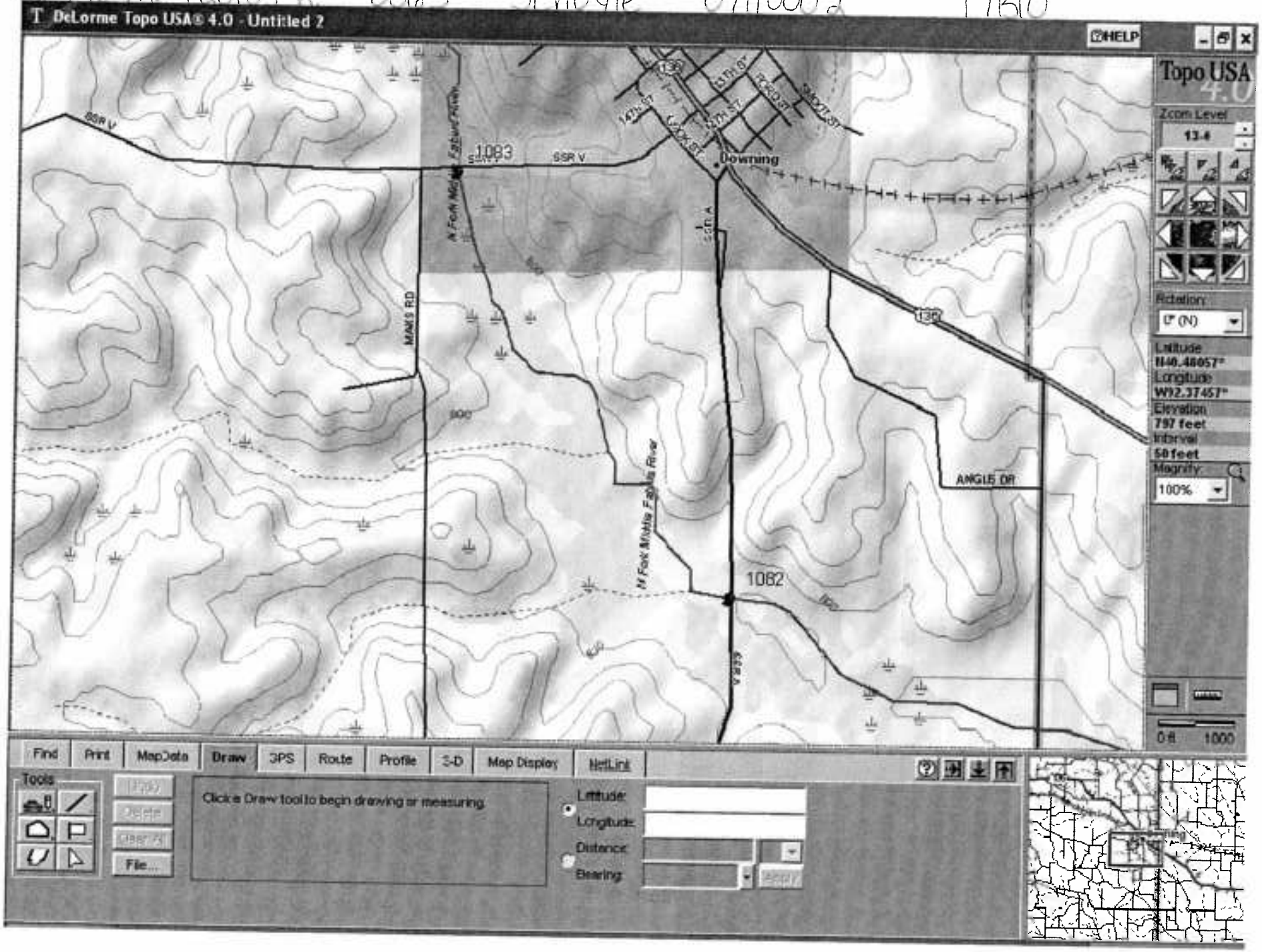
N. FK. M. Fabius R. 0005 Schuyle 07110002 17 B10



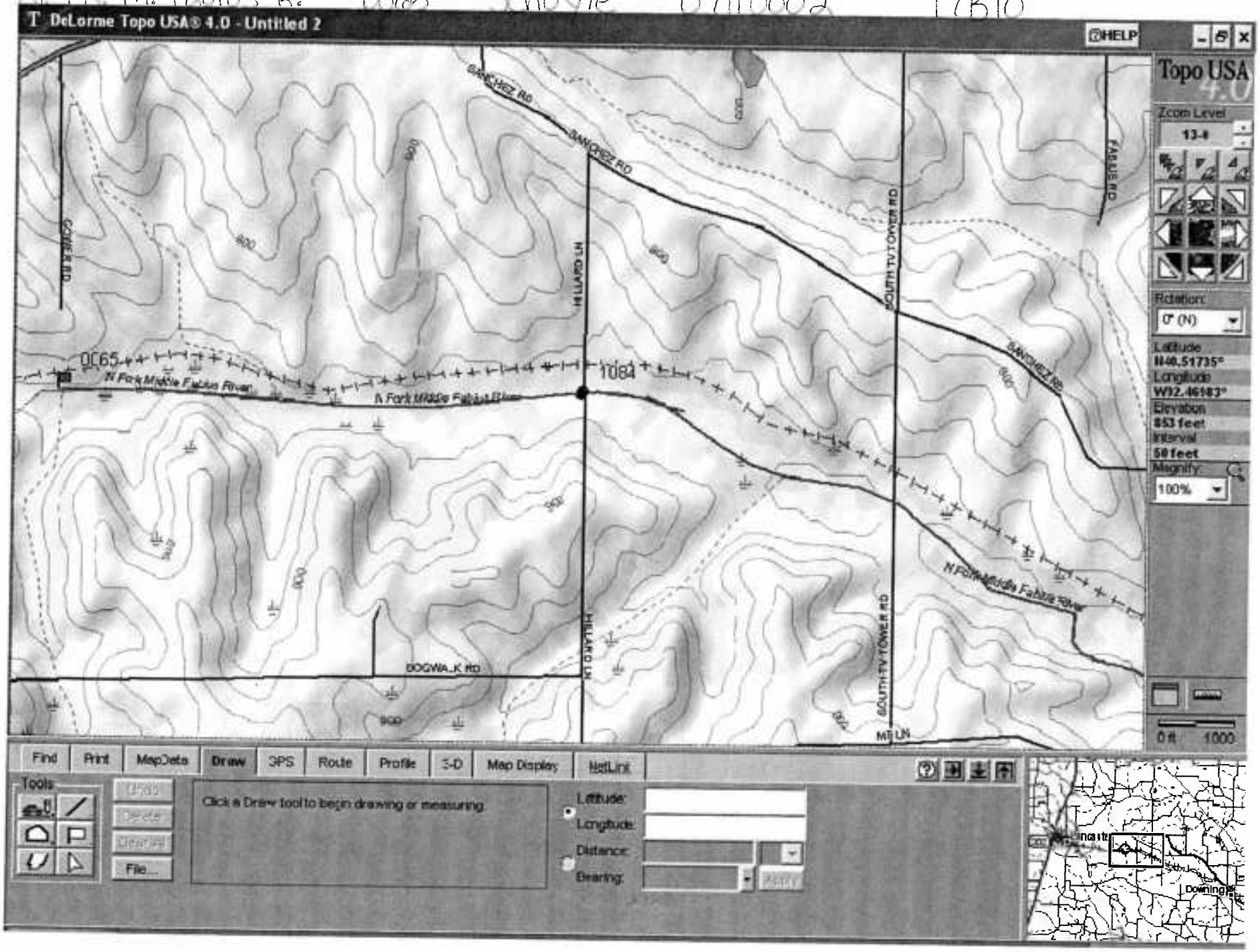
N. FK. M. Fabius R. 0065 Schuyle 07110002 17 BIO



N. Fk. M. Fabius R. 0065 Schuyle 07110002 17B10



N. Fk. M. Fabius R. 0065 Schuyle 07110002 17B10



WBID # 0065 **Site #** 1079

Date: 7 / 22 / 06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): N 40.40900 Longitude (ddd.dddd): W092.30071	Arrival Time: 1700
Photo Ids: Upstream: #1 Downstream: #2	Other: #3 steep slopes

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

near road crossing

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:	

Human 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.)				

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:				

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

WBID # 0065 Site # 1079

Date: 7 / 22/ 06

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☑ Pool	10m	3m	5m	.2m	.3m
☑ Flow Present? ☐ Yes ☑ No			Velocity (ft/sec): No measurable flow		

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☑ Pool	15m	5m	10m	.15m	.3m
☑ Flow Present? ☐ Yes ☑ No			Velocity (ft/sec): No measurable flow		

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

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

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

Some aquatic veg. and 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:

*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 affect another use.

WBID # 0065 **Site #** 1079

Date: 7 / 22 / 06

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID # 0065 **Site #** 1079

Date: 7/22/06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No
   If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often do you use it for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often have you observed it being used for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):
Name:
Address:
Telephone #:

WBID # 0065 **Site #** 1080

Date: 7 / 22 / 06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): N 40.43332° Longitude (ddd.dddd): W 92.31757°	Arrival Time: 1715
Photo Ids: Upstream: #4 Downstream: #5	Other: #6 road crossing + ATV tracks

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

at a dirt road crossing

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:	

Human 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.)

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:				

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

WBID # 0065 Site # 1080

Date: 7/22/06

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☑ Pool	10	5	20	.4	.5
☑ Flow	Present? ☐ Yes ☑ No		Velocity (ft/sec):	no measurable flow	

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☑ Pool	20.	5	10m	.2	.25
☑ Flow	Present? ☐ Yes ☑ No		Velocity (ft/sec):	no measurable flow	

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

25 % Cobble	% Gravel	75 % Sand	% Silt	% Mud/Clay	% Bedrock

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

little duck weed, little algae

Water Characteristics*: (Mark all that apply.)

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

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WBID # 6065 **Site #** 1080

Date: 7/22/06

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID # 0065 **Site #** 1080

Date: 7 / 22 / 06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No
   If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often do you use it for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often have you observed it being used for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):
Name:
Address:
Telephone #:

WBID # 0065 **Site #** 1081

Date: 7/22/06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): N 40.453060°	Arrival Time: 1745
Longitude (ddd.dddd): W 092.328650°	
Photo Ids: Upstream: #7 Downstream: #8	Other: #9 steep slopes

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

At a road crossing

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:	

Human 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.)

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:				

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

WBID # 0065 Site # 1081

Date: 7/22/06

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☑ Pool	5	10	100	1.1	1.3
☑ Flow Present? ☐ Yes ☑ No			Velocity (ft/sec):	no measurable flow	

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☐ Pool	5	10	50	1.1	1.3
☑ Flow Present? ☐ Yes ☑ No			Velocity (ft/sec):	no measurable flow	

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

% Cobble	% Gravel	% Sand	70	% Silt	30	% Mud/Clay	% Bedrock

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

lots of floating algae

Water Characteristics*: (Mark all that apply.)

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

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WBID # C065 **Site #** 1081

Date: 7/22/06

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID # C065 **Site #** 1081

Date: 7/22/06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No
   If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often do you use it for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often have you observed it being used for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):
Name:
Address:
Telephone #:

WBID # 0065 **Site #** 1080

Date: 7 / 22 / 06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): N 40.46947 Longitude (ddd.dddd): W092.36539			Arrival Time: 1800
Photo Ids: Upstream: #10	Downstream: #11	Other: #12 steep slopes #13 Trash	

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

@ a road crossing

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:	

Human 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.)

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: Trash				

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

Trash

WBID # 0065 Site # 108R

Date: 7 / 22 / 06

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☑ Pool	10m	10m	75	.5	.7
☑ Flow Present? ☐ Yes ☑ No			Velocity (ft/sec): no measurable flow		

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☑ Pool	5	10	10	.4	.6
☑ Flow Present? ☐ Yes ☑ No			Velocity (ft/sec): no measurable flow		

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

% Cobble	% Gravel	% Sand	100 % Silt	% Mud/Clay	% Bedrock

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

algae

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☐ None	☑ Other: anaerobic sed rotting
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☑ Other: brown
Bottom Deposit:	☐ Sludge	☐ Solids	☑ Fine sediments	☐ None	☐ Other:
Surface Deposit:	☐ Oil	☑ Scum	☐ Foam	☐ None	☐ Other:

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WBID # 0065 **Site #** 1082

Date: 7/22/06

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID # 0005 **Site #** 1082

Date: 7/22/06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No
   If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often do you use it for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often have you observed it being used for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):
Name:
Address:
Telephone #:

WBID # 0065 **Site #** 1083

Date: 7 / 22 / 06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): N40.48425 Longitude (ddd.dddd): W092.37817	Arrival Time: 1820
Photo Ids: Upstream: #14 Downstream: #16 SC #17	Other: #16 steep slopes #15 Trash

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

@ a road crossing

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:	

Human 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.)

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:				

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

Trash

WBID # 0065 Site # 1083

Date: 7/22/06

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☑ Pool	40	3	20	.1	.2
☑ Flow	Present? ☐ Yes ☑ No		Velocity (ft/sec):	no measurable flow	

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☑ Pool	20	3	10	.15	.25
☑ Flow	Present? ☐ Yes ☑ No		Velocity (ft/sec):	no measurable flow	

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

5 % Cobble	5 % Gravel	80 % Sand	10 % Silt	% Mud/Clay	% Bedrock

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

some algae

Water Characteristics*: (Mark all that apply.)

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

*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 affect another use.

WBID # 0065 **Site #** 1083

Date: 7 / 22 / 06

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID # 0065 **Site #** 1083

Date: 7 / 22 / 06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No
   If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often do you use it for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often have you observed it being used for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):
Name:
Address:
Telephone #:

WBID # 0065 Site # 1084

Date: 7 / 22 / 06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization – 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd): N 405569 Longitude (ddd.dddd): W92.459110		Arrival Time: 1900
Photo Ids: Upstream: ~~#19~~ #19 SC-7-22-06	Downstream: #18	Other: #20 Tractor crossing

Narrative Description of Location: (Describe access point to stream, nearby roads, landmarks, etc.)

@ road crossing

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:	

Human 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.)

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: Tractor crossing				

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

WBID # 0065 Site # 1084

Date: 7/20/04

Data Sheet B - Site Characterization – 2 of 3

Stream Morphology:

Upstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☑ Pool	10	3	15	.3	.45
☑ Flow	Present? ☐ Yes ☑ No		Velocity (ft/sec):	no measurable flow	

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
☑ Pool	5	3	10	.2	.35
☑ Flow	Present? ☐ Yes ☑ No		Velocity (ft/sec):	no measurable flow	

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

% Cobble	% Gravel	100 % Sand	% Silt	% Mud/Clay	% Bedrock

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

floating duckweed + algae

Water Characteristics*: (Mark all that apply.)

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

*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 affect another use.

WBID # 0065 **Site #** 1084

Date: 7/22/06

Data Sheet B - Site Characterization – 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

WBID # 0065 Site # 1084

Date: 7/22/06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live in the area? ☐ Yes ☐ No
   If so, how long have you lived here? _____

2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often do you use it for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

3. Have you observed others using this water body for recreation since 1975? ☐ Yes ☐ No
   If so, please check ALL that apply:

☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:

   How often have you observed it being used for recreation?
   - G More than 5 times per year
   - G 1 – 5 times per year
   - G Less than 1 time per year – please describe: _____

4. Additional Comments: _____

Contact Information (if willing to provide):
Name:
Address:
Telephone #:

WBID# 0065

Site# 1079 Photo ID# 1, Upstream

Site# 1079 Photo ID# 2, Downstream

Site# 1079 Photo ID# 3, Steep slopes

Site# 1080 Photo ID# 4, Upstream

WBID# 0065

Site# 1080 Photo ID# 5, Downstream

Site# 1080 Photo ID# 6, ATV tracks

Site# 1081 Photo ID# 7, Upstream

Site# 1081 Photo ID# 8, Downstream

WBID# 0065

Site# 1081 Photo ID# 9, Steep slopes

Site# 1082 Photo ID# 10, Upstream

Site# 1082 Photo ID# 11, Downstream

Site# 1082 Photo ID# 12, Steep slopes

WBID# 0065

Site# 1082 Photo ID# 13, Trash

Site# 1083 Photo ID# 14, Upstream

Site# 1083 Photo ID# 17, Downstream

Site# 1083 Photo ID# 16, Steep slopes

WBID# 0065

Site# 1083 Photo ID# 15, Trash

Site# 1084 Photo ID# 19, Upstream

Site# 1084 Photo ID# 18, Downstream

Site# 1084 Photo ID# 20, Tractor crossing