

Use Attainability Analysis

for

WBID 0919 Honey Creek

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

JUL 18 2005

Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad):	HONEY CREEK
8-digit HUC:	10300134
Missouri WBID #:	919
County:	Johnson
Upstream Legal Description:	S214 T47N R27W
Downstream Legal Description:	S25 T46N R26W
Upstream Coordinates:	429947 425480 4295923 4303873
Downstream Coordinates:	429947 4295923
Discharger Facility Name(s):	
Discharger Permit Name(s):	
Number of Sites Evaluated:	4
Name of Surveyor and Telephone Number:	Greg Caldwell (573)-884-3494
Organization:	DNR
Position:	Soil Scientist III

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

Signed: Greg Caldwell Date: 6/14/05

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: 919-1	Site Location Description:	
Site GPS Coordinates: 421242 4502497	Bridge Co. Rd 571	
Date & Time: 6/1/05 11:20 am	Facility Name:	
Personnel: S. Caldwell, B. Baird	Permit Number:	
Current Weather Conditions: Sunny + 40-45	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream 9901 7	Downstream: 91901 8	Other: 9901-5 9

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin Diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water Skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals, 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.)

<input type="checkbox"/> City/County parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input checked="" type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot pats/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV/ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: Dumping dead animals (dogs?) + trash (tire)				

Site Locations Map(s): Attach a map of the entire segment with the 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 recreation 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# 919 :

±1

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>30</u>	Length (ft.): <u>35</u>	Avg. Depth (ft.): <u>.5</u>	Max Depth (ft.): <u>.75</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Run	Width (ft.): <u>10</u>	Length (ft.): <u>40</u>	Avg. Depth (ft.): <u>.5</u>	Max Depth (ft.): <u>.75</u>
<input type="checkbox"/> Pool	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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

<u>15</u> % Cobble	<u>15</u> % Gravel	% Sand	% Silt	<u>70</u> % Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at assessment site)

Water Characteristics*: (Mark all that apply)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Color:	<input checked="" type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input type="checkbox"/> Other
Bottom deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input type="checkbox"/> Fine sediments	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Surface deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> 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: Julian Bonhard Date: 6/14/05

WBID #0919 – Downstream #1



WBID #0919 – Upstream #1



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: 919-2	Site Location Description:	
19' Site GPS Coordinates: 427268 4301850	Bridge	Co. Rd. 521
Date & Time: 6/14/05	Facility Name:	
Personnel: G. CHIDWELL + L. BULLARD	Permit Number:	
Current Weather Conditions: Sunny + warm	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream 919U2 10	Downstream: 919D2 11	Other: 9190 - washer / Pnyer 12

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin Diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water Skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals, 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.)

<input type="checkbox"/> City/County parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot pats/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV/ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: Dumping				

Site Locations Map(s): Attach a map of the entire segment with the 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

Data Sheet B - Site Characterization

Page Two - WBID# 919 :

Stream Morphology: #2

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>25'</u>	Length (ft.): <u>120'</u>	Avg. Depth (ft.): <u>.75</u>	Max Depth (ft.): <u>1'</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>15'</u>	Length (ft.): <u>100'</u>	Avg. Depth (ft.): <u>.75</u>	Max Depth (ft.): <u>1'</u>
<input type="checkbox"/> Flow Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		

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

<u>5</u> % Cobble	<u>55</u> % Gravel	% Sand	% Silt	<u>40</u> % Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at assessment site)

5% Algae on Rocks

Water Characteristics*: (Mark all that apply)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input checked="" type="checkbox"/> Other <u>murky</u>
Bottom deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other <u>Silt Sediments</u>
Surface deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> 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: *William J. Ward* Date: 12/14/05

WBID #0919 – Downstream #2



WBID #0919 – Upstream #2



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: 919-3	Site Location Description:	
214 Site GPS Coordinates: 427021 4300880	BRIDGE Co. RD 600 521	
Date & Time: 6/14/05	Facility Name:	
Personnel: G. Caldwell, L. Bullard	Permit Number:	
Current Weather Conditions: Sunny + Hot	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream 919V3 13	Downstream: 919D3 14	Other:

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin Diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water Skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals, 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.)

<input type="checkbox"/> City/County parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input checked="" type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot pats/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV/ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other:				

Site Locations Map(s): Attach a map of the entire segment with the 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

Data Sheet B - Site Characterization

Page Two - WBID# 919 :

Stream Morphology: #3

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>35'</u>	Length (ft.): <u>750'+</u>	Avg. Depth (ft.): <u>1.5'</u>	Max Depth (ft.): <u>2.25'</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<u>Slow</u>	

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>35'</u>	Length (ft.): <u>200'+</u>	Avg. Depth (ft.): <u>1.5'</u>	Max Depth (ft.): <u>2'</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<u>Slow</u>	

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

<u>5</u> % Cobble	<u>25</u> % Gravel	% Sand	% Silt	<u>60</u> % Mud/Clay	<u>10</u> % Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at assessment site)

None

Water Characteristics*: (Mark all that apply)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input checked="" type="checkbox"/> Other <u>Murky</u>
Bottom deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other
Surface deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> 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: L. Bonnard Date: 6/14/05

WBID #0919 – Downstream #3



WBID #0919 – Upstream #3



Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization

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

Missouri WBID #: 919-4	Site Location Description:	
Site GPS Coordinates: 429587 4297425	Bridge CO - Rd. 400	
Date & Time: 6/14/05 12:15 pm	Facility Name:	
Personnel: G.C., L.B.	Permit Number:	
Current Weather Conditions: Sunny + Hot	Weather Conditions for Past 7 Days:	
Photo Ids: Upstream 91904 15	Downstream: 91904 16	Other:

Uses Observed*:

<input type="checkbox"/> Swimming	<input type="checkbox"/> Skin Diving	<input type="checkbox"/> SCUBA diving	<input type="checkbox"/> Tubing	<input type="checkbox"/> Water Skiing
<input type="checkbox"/> Wind surfing	<input type="checkbox"/> Kayaking	<input type="checkbox"/> Boating	<input type="checkbox"/> Wading	<input type="checkbox"/> Rafting
<input type="checkbox"/> Hunting	<input type="checkbox"/> Trapping	<input type="checkbox"/> Fishing	<input checked="" type="checkbox"/> None of the above	<input type="checkbox"/> Other:
Describe: (include number of individuals, 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.)

<input type="checkbox"/> City/County parks	<input type="checkbox"/> Playgrounds	<input type="checkbox"/> MDC conservation lands	<input type="checkbox"/> Urban areas	<input type="checkbox"/> Campgrounds
<input type="checkbox"/> Boating accesses	<input type="checkbox"/> State parks	<input type="checkbox"/> National forests	<input type="checkbox"/> Nature trails	<input type="checkbox"/> Stairs/walkway
<input type="checkbox"/> No trespass sign	<input type="checkbox"/> Fence	<input checked="" type="checkbox"/> Steep slopes	<input type="checkbox"/> Other:	

Evidence of Human Use*:

<input type="checkbox"/> Roads	<input type="checkbox"/> Foot pats/prints	<input type="checkbox"/> Dock/platform	<input type="checkbox"/> Livestock Watering	<input type="checkbox"/> RV/ATV Tracks
<input type="checkbox"/> Rope swings	<input type="checkbox"/> Camping sites	<input type="checkbox"/> Fire pit/ring	<input type="checkbox"/> NPEDS discharge	<input type="checkbox"/> Fishing Tackle
<input checked="" type="checkbox"/> Other: NONE				

Site Locations Map(s): Attach a map of the entire segment with the 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

Data Sheet B - Site Characterization

Page Two - WBID# 919 :

#4

Stream Morphology:

Upstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>25'</u>	Length (ft.): <u>100'</u>	Avg. Depth (ft.): <u>.75</u>	Max Depth (ft.): <u>1.5</u>
<input type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

Downstream View Physical Dimensions:

<input type="checkbox"/> Riffle	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input type="checkbox"/> Run	Width (ft.):	Length (ft.):	Avg. Depth (ft.):	Max Depth (ft.):
<input checked="" type="checkbox"/> Pool	Width (ft.): <u>25'</u>	Length (ft.): <u>50' +</u>	Avg. Depth (ft.): <u>.75</u>	Max Depth (ft.): <u>1.5'</u>
<input checked="" type="checkbox"/> Flow Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

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

<u>10</u> % Cobble	<u>30</u> % Gravel	% Sand	% Silt	<u>60</u> % Mud/Clay	% Bedrock
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Aquatic Vegetation*: (note amount of vegetation or algal growth at assessment site)

NONE

Water Characteristics*: (Mark all that apply)

Odor:	<input type="checkbox"/> Sewage	<input type="checkbox"/> Musky	<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Other
Color:	<input type="checkbox"/> Clear	<input type="checkbox"/> Green	<input type="checkbox"/> Gray	<input type="checkbox"/> Milky	<input checked="" type="checkbox"/> Other <u>murky</u>
Bottom deposit:	<input type="checkbox"/> Sludge	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Fine sediments	<input type="checkbox"/> None	<input type="checkbox"/> Other
Surface deposit:	<input type="checkbox"/> Oil	<input type="checkbox"/> Scum	<input type="checkbox"/> Foam	<input checked="" type="checkbox"/> None	<input type="checkbox"/> 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: Alan Ballard Date: 6/14/05

WBID #0919 – Downstream #4



WBID #0919 – Upstream #4



