Use Attainability Analysis

for

WBID 1295 Panther Creek

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

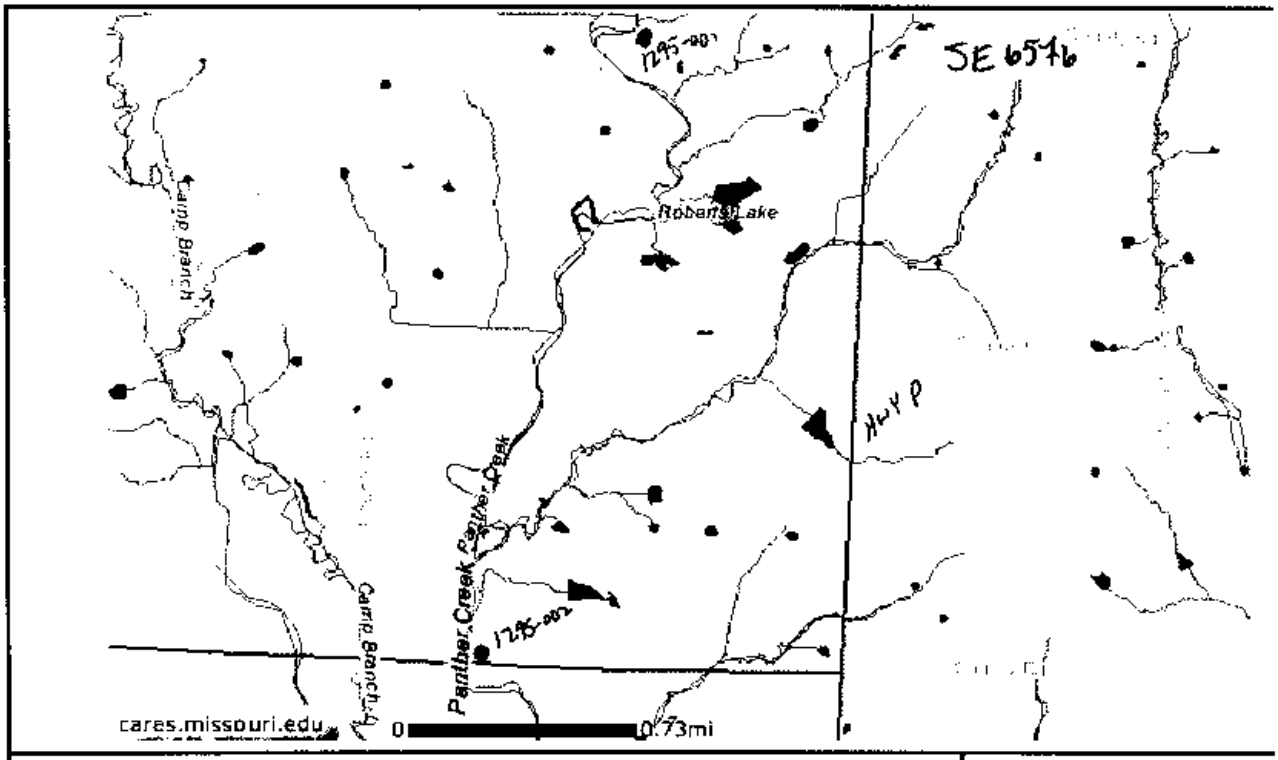
Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad):	Panther Cr.
8-digit HUC:	10290105
Missouri WBID #:	1295
County:	Bates
Upstream Legal Description:	SE 6576 Rd.
Downstream Legal Description:	SE 7606 Rd.
Upstream Coordinates:	N38.11943 W094.08672
Downstream Coordinates:	N38.07541 W094.10058
Discharger Facility Name(s):	Rockville WWTP
Discharger Permit Number(s):	MO 0103748
Number of Sites Evaluated:	3
Name of Surveyor and Telephone Number:	Aaron Bleibaum 816-622-7018
Organization:	MDNR
Position:	Env. Specialist

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

Signed: Aaron Bleibaum **Date:** 7/7/05

1295 - Panther Cr.



Legend

- Water Quality Information System (WQIS)

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

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

NHD Rivers and Streams
- Perennial Stream/River
- Intermittent Stream/River
- Canal or Ditch
- (cont)

- Artificial Path (Approx. Centerline)
- Other Hydrologic Feature

Incorporated Areas
- City
- Town
- Village
- Census Designated Place
- Other

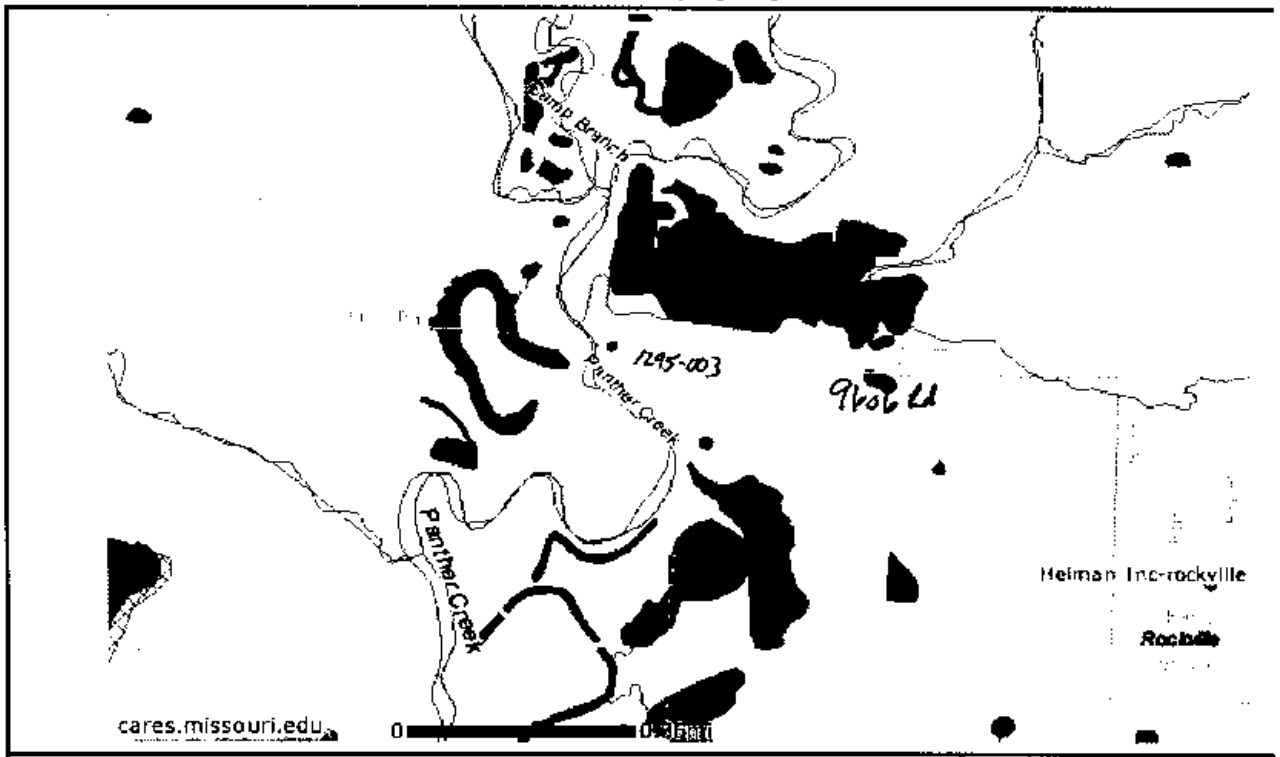
1:24,000 Water Bodies
- Lake or Pond
- Lake or Pond (Intermittent)
- Reservoir
- Stream or River
- Swamp or Marsh
- Canal or Ditch
- Other Water Body

NHD Water Bodies
- Lake or Pond
- Lake or Pond (Intermittent)
- Reservoir
- Stream or River
- (cont)

Location Map

Map prepared by:
http://cares.missouri.edu, 7/6/

1295 - Panther Cr.



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- Lake or Pond (Intermittent)
- Reservoir
- Stream or River

(cont)

Location Map

Map prepared by:
http://cares.missouri.edu, 7/6/

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 #: 1295-001		Site Location Description: SE 657b Rd.
Site GPS Coordinates: N 38.11941 W 091.08613		
Date & Time: 7/7/05 10:30 Am		Facility Name: Rockville WWTP
Personnel: Aaron Bleibaum		Permit Number: MO 0103748
Current Weather Conditions: Dry 78°F		Weather Conditions for Past 7 days: Dry
Photo Ids: Upstream: 24-26	Downstream: 27-29	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: Trash

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: Pasture + Bean fields, Farms	

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)

*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

Page Two – WBID # 1295-001 **:** **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): 51	Length (ft): 60	Avg. Depth (ft): 1 ft	Max. Depth (ft): 1.75 ft
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec): 1.5 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): 33	Length (ft): 125	Avg. Depth (ft): 1.5 ft	Max. Depth (ft): 2.5 ft
☒ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec): 0.1 ft^3/sec	

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

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

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

2% 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:

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: [signature] **Date:** 7/14/05

Organization: MDNR Position: Env. Specialist

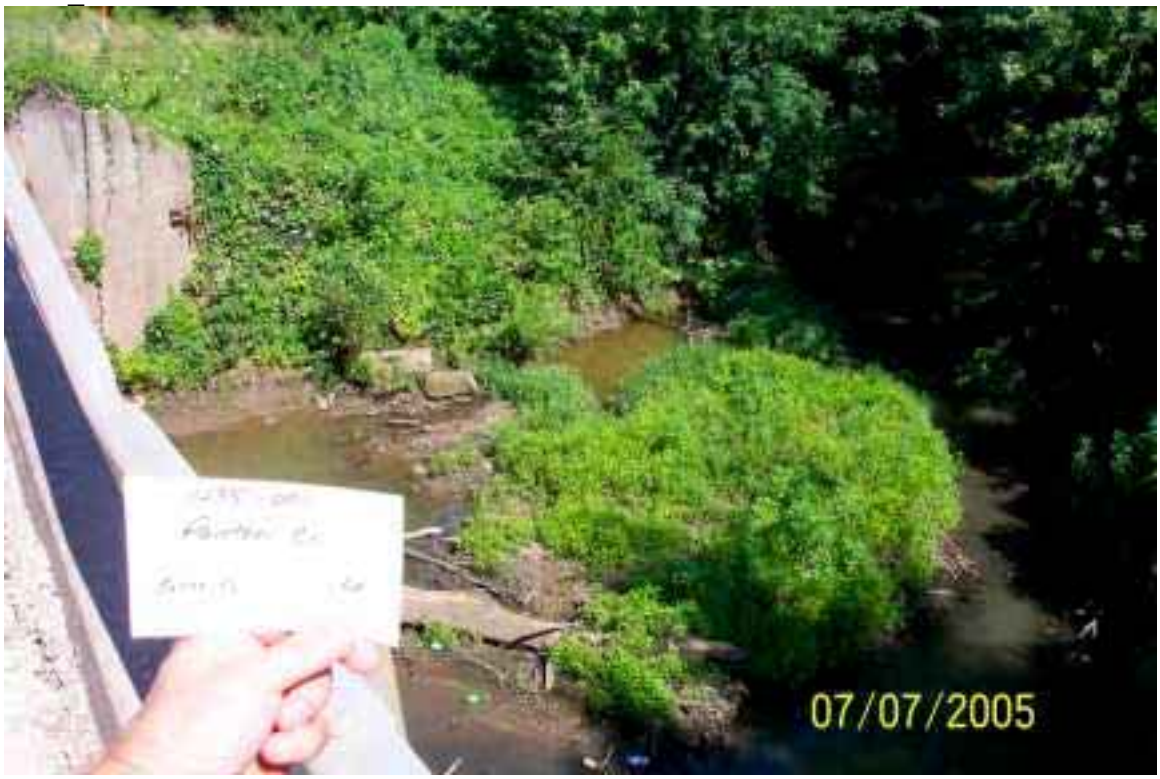
1295_001 DS

1295_001 DS

1295_001 DS

1295_001 US

1295_001 US



1295_001 US

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 #: 1295-002		Site Location Description: Hwy B Bates Co.
Site GPS Coordinates: N 38.08967 W 094.09684		
Date & Time: 7/7/05 10:51 AM		Facility Name: Rockville WWTP
Personnel: Aaron Bleibaum		Permit Number: MO 0103748
Current Weather Conditions: Clear 80°F		Weather Conditions for Past 7 days: Dry
Photo Ids: Upstream: 30	Downstream: 31-32	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: Timber	

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

'age Two – WBID # 1295-002 :

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): 30	Length (ft): 100	Avg. Depth (ft): 1.0ft	Max. Depth (ft): 2.0ft
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec): 0.2 ft^3/sec	

Downstream View Physical Dimensions:

☐ Riffle	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Run	Width (ft): 30	Length (ft): 100	Avg. Depth (ft): 1.0ft	Max. Depth (ft): 2.0ft
☐ Pool	Width (ft):	Length (ft):	Avg. Depth (ft):	Max. Depth (ft):
☒ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec): 0.2 ft^3/sec	

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

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

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

None detected

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☒ Other: muddy
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: [signature] **Date:** 7/4/05

Organization: MONR Position: Env. Specialist

1295_002 DS

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1295_002 US

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 #: 1295-003	Site Location Description: SE 960b Rd
Site GPS Coordinates: N38.07545 W094.10059	
Date & Time: 7/7/05 11:11 Am	Facility Name: Rockville WWTP
Personnel: Aaron Bleibaum	Permit Number: MO 0103748
Current Weather Conditions: Dry 80F	Weather Conditions for Past 7 days: Dry
Photo Ids: Upstream: 33 - 35 Downstrear 36 - 38	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: Graffiti on bridge

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: Timber	

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: Beer cans, trash				

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 #1295-003: **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): 45	Length (ft): 125	Avg. Depth (ft): 1.5ft	Max. Depth (ft): 2.5ft
☒ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec): 0.3 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): 45	Length (ft): 120	Avg. Depth (ft): 1.5ft	Max. Depth (ft): 2.5ft
☒ Flow	Present? ☒ Yes ☐ No		Estimated (ft^3/sec): 0.5 ft^3/sec	

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

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

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

No algae growth detected

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	☒ None	☐ Other:
Color:	☐ Clear	☐ Green	☐ Gray	☐ Milky	☒ Other: muddy
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: MDNR Position: Env. Specialist

1295_003 DS

1295_003 DS

1295_003 DS

1295_003 US

1295_003 US

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