Candidate Brook Trout Reserves

Brook Trout Reserves are *" a selection of some of the places in Wisconsin where brook trout have the best chance of enduring the effects of climate change and other environmental perturbations. The designation of reserves enables the WDNR and its partners to focus their specific tools to ensure that brook trout remain viable in the state"*.

Fisheries Management's goal is to *"Establish and manage brook trout reserves in Wisconsin to support biologically, environmentally, and climatologically resilient self-sustaining populations for quality fishing opportunities or conservation of genetic diversity".*

Specific Objectives:

1) Using relevant and objective criteria, identify and establish reserves that represent the best brook trout habitat, populations, and fisheries found in each of the four major ecoregions in the state.

2) For each brook trout reserve, identify and assess the existing and potential biological, environmental, and climatic threats.

3) Collaborate with partners and stakeholders to identify and implement appropriate watershed, riparian, stream, and spring pond conservation actions.

4) Monitor and manage the status and trends of brook trout populations and their genetics in each reserve.

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Background

Wisconsin's native brook trout are an integral part of our natural legacy, our culture, and our identity. Brook trout are also very sensitive to changes in water temperature. Global climate models indicate that climate change will have significant impacts on mid-latitude regions such as the Upper Midwest. Dealing with climate change will require the best available science and meaningful participation of public and private stakeholders. The Wisconsin Initiative on Climate Change Impacts (WICCI) Coldwater Fish and Fisheries working group suggested use of triage approach to identify and allocate management resources to only those coldwater species most likely to succeed. That could include managing for brown rather than brook trout. The second strategy is to develop activities focusing on land, shoreline, water management and in-stream restoration to offset the impacts of rising air and water temperatures and changes in precipitation.

The Brook Trout Reserves team was formed in the fall of 2015. The team consists of central office staff (Paul Cunningham, Joanna Griffin, Mitchell Johnson,) science services staff John Lyons Matt Diebel (original member) Matt Mitro and several fish biologists (Dave Seibel, Paul Piszczek Heath Benike, Bradd Sims, Marty Engel (retired)) on the trout team.

Models assessing the impacts that projected climate changes may have on the future distribution of trout have been developed. The adjacent table summarizing statewide Brook Trout habitat loss is sobering. These models incorporate different types of data and different types of interactions between variables to project the likelihood of different outcomes. The US Geologic Service has developed a Regional Decision Support Tool for Identifying Vulnerabilities of Riverine Habitat and Fishes to Climate Change, aptly called FishVis.

Ecoregion	Number of HUC-12's	Total Miles of Current BKT Stream Habitat	Total Miles of Future BKT Stream Habitat (2046-2065)	Habitat Loss
Northern Lake and Forest	365	5,506	2,984	46%
Northern Central Hardood Forest	247	3,720	928	75%
Driftless	290	9,167	2,302	75%
Southeast Glacial Till Plain	66	222	26	88%

The FishVis model can be accessed at the following website (https://ccviewer.wim.usgs.gov/FishVis/#) . Complete information about the FishVis project and data are described in USGS Scientific Investigations Report 2016-5124 (http://dx.doi.org/10.3133/sir20165124) and can be downloaded from USGS ScienceBase-Catalog as part of the USGS FishVis data release, http://dx.doi.org/10.5066/F74T6GGG. This stream model utilizes the methods developed by *Lyons, et al 2010, however the stream temperature model components have recently been refined by the work of **Stewart, et. al. 2015.

Purpose and Application

The Brook Trout Reserves team propose that BTR's be identified within WDNR Fisheries Management with an official list/map of BTR's maintained by FM. BTR's will be chosen based on objective criteria, possibly including (but not limited to) amount of existing brook trout habitat, projected future brook trout habitat under a warming climate (=resilience), other environmental threats, connectivity to other waters, amount, distribution, and type of public land and easements, fish manager, local/federal government, and partner-group interest and cooperation, and geographic region. BTR identification will be used to focus attention on particularly valuable stream systems, to help rank project proposals and grant applications related to trout and riparian/watershed management, to inform development of WDNR Plans and Policies dealing with trout and riparian/watershed management, and to provide guidelines and demonstration areas for brook trout conservation. Initially, BTR's will not be regulatory in nature and will not prohibit or require any activities, nor will they preclude or discourage brook trout conservation activities outside of BTR's. BTR's will have site-specific guidelines (not requirements) designed to promote brook trout conservation in the face of management challengs including a warming climate. These guidelines may include stocking policies, fishing regulations, instream-habitat improvement activities, riparian vegetation management, and beaver control recommendations. Of particular relevance to climate change will be guidelines for riparian reforestation to minimize water temperature increases, which we will develop in cooperation with WDNR Forestry, USFS, and USGS.

*Lyons, John, Stewart, Jana, and Mitro, Matthew, 2010, Predicted effects of climate warming on the distribution of 50 stream fishes in Wisconsin, USA: Journal of FishBiology, v. 77, no. 8, p. 1867–1898.

**Stewart, J.S., Westenbroek, S.M., Mitro, M.G., Lyons, J.D., Kammel, L.E., and Buchwald, C.A., 2015, A model for evaluating stream temperature response to climate change in Wisconsin: U.S. Geological Survey Scientific Investigations Report 2014–5186, 64 p., http://dx.doi.org/10.3133/ sir20145186.

Identification and Classification

The Brook Trout Reserves Team has utilized the best science available to develop criteria to identify and rank 54 candidate BKT Reserves statewide. We've assembled large databases to analyze stream systems statewide. The selection process utilized riparian and landuse cover via the newest release of Wiscland2; contemporary (2007-2014) brown and brook trout catch per effort data from 2007-2014; modelled stream temperatures and brook trout occurrences-Fish Vis (https://ccviewer.wim.usgs.gov/FishVis/#)l; dnrmanaged lands and project boundaries; and Fishtail, an index characterizing stream fish response to urban and agricultural land use as characterized by the 2006 National Land Cover Dataset - https://ccviewer.wim.usgs.gov/FishTail/#. The basic spatial assessment unit for the BTR evaluation and selection process was the subwatershed (HUC-12). Assembled data were group into the following themes: 1) Contemporary conditions and resilience to climate change; 2) Riparian and subwatershed land use quality; 3) Degree of current protection and level of management opportunity; 4) Competition from non-native salmonids; and 5) conservation genetics.The 54 candidate BTR's were further classified into four different classes based on the predicted future temperature or Brook trout resilience (a summary variable including future brook trout habitat quality, water temperature, and change in brook trout habitat quantity). The classes were based on a threshold for the amount of the riparian buffer in natural vegetation (i.e., not agricultural or urban, primarily forest) set at 95% and thresholds for future July mean water temperature set at 19 C and a resilience score of 30 (Scores range from 1 to 52, where 52 represents the reserve with the most favorable conditions for future Brook Trout conservation).

Future vulnerabilities and possible management themes associated with each class:

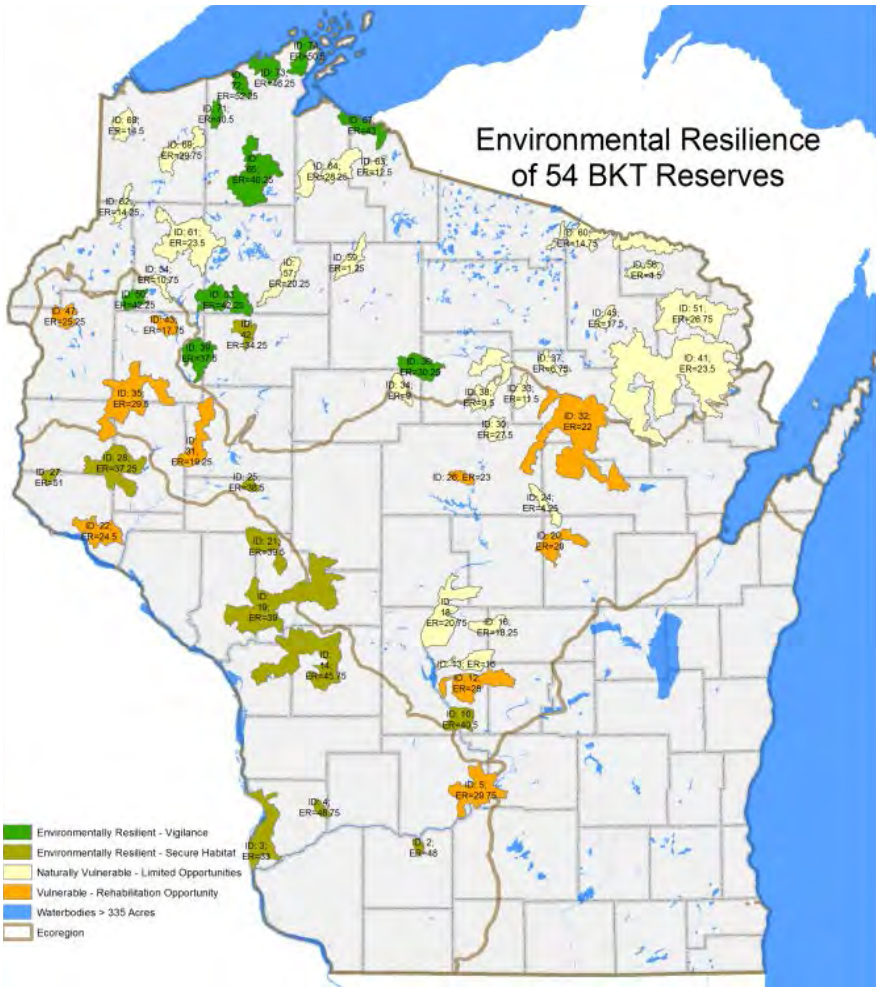
1) High natural buffer, cold water temperature, high resilience – Secure: monitor and protect

2) Lower natural buffer, cold water temperature, high resilience – Possibly secure; monitor and improve buffer

3) High natural buffer, warmer temperature, lower resilience – Vulnerable; explore innovative ways to improve the watershed and groundwater/water temperature other than buffer management

4) Lower natural buffer, warmer temperature, lower resilience – Vulnerable; Improve buffer, and the watershed, groundwater, and water temperature.

This four-class framework can be used to help develop specific management strategies and recommendations regarding angling regulations, stocking, in-stream habitat improvement, beaver control, stream fragmentation and fish passage, land acquisition, riparian vegetation management, watershed land-use, groundwater protection, and public outreach that could be applied specifically to BTR.



Brook Trout Reserves Map Glossary

All of the variables in the map tables are summarized at the subwatershed level (HUC-12) from either FishVis 2016 (A Regional Decision Support Tool for Identifying Vulnerabilities of Riverine Habitat and Fishes to Climate Change in the Great Lakes Region); or GIS spatial analysis of stream, land-cover, or land-management metrics within each subwatershed.

Table Variables:

HUC12	NN CPE	BKT CPE	BKT FTR HAB	% BKTMiles Mid-Cent	FTR Temp	% Nat Buff	% HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster

HUC12: Last four digits of the HUC-12 code

NN CPE: Median catch per mile (CPE) of non-native salmonids

BKT CPE: Median catch per mile (CPE) of Brook Trout

BKT FTR HAB: Absolute stream miles predicted to remain suitable for Brook Trout in the mid-century (2046-2065).

%BKTMiles Mid-Cent: The percentage of stream miles where Brook Trout occurrence is unchanged from current to the mid-century (2046-2065).

FTR Temp: Length-weighted July mean stream temperature in the mid-century (2046-2065). The length-weighted July mean stream temperature was determined by (1) calculating the percentage of total stream length within a HUC12 for each stream reach, then (2) multiplying the July mean stream temperature for each reach by the percentage of total stream length to get the length-weighted July mean stream temperature for each reach, and (3) lastly, summing the length-weighted July mean stream temperature for all of the reaches within a HUC12 to get the length-weighted July mean stream temperature at the HUC12 scale.

% Nat Buff: Percent of trout stream miles adjacent (within 30-meters) to natural vegetation. Wiscland 2.0 landcover data for Forest, wetland, idle grassland, open water, shrubland, and barrens were defined as natural buffer; whereas developed buffer was defined as urban, row crop, and forage grassland. Trout streams were intersected with the 30-meter natural buffer and the % of trout miles in natural vs developed buffers were measured.

%HUC12 Public: Percent of land within the subwatershed under public ownership (federal, state, and local).

Total TS Miles: Total classified trout stream miles (class 1, 2, and 3)

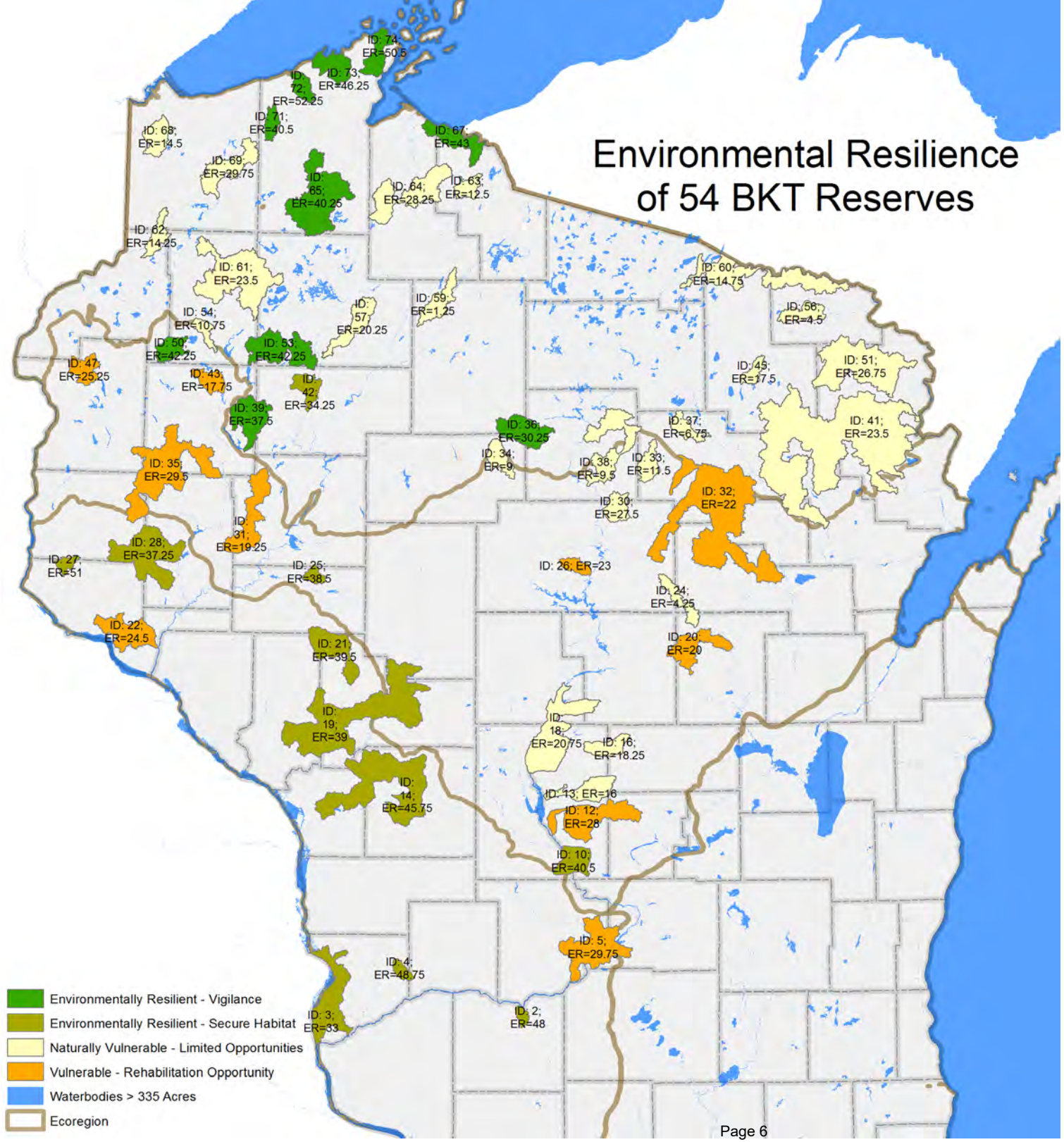
% TS Mi Public: Percent of trout stream miles along publicly-owned land.

Remaining Auth TS Mi: Total trout stream miles with acquisition authority (DNR project boundary-Fee or Streambank Protection Program-easement) currently under private ownership. In other words, classified trout stream miles along land we have not purchased but have the authority to do so.

Cluster: K-means Cluster membership based on cluster analysis. Cluster analysis groups subwatersheds that are more similar to each other relative to those in other groups (clusters). We used the following 8 variables to define similarity: ***FTR Temp***, Mid-Century July stream temperature increase, ***BKT FTR HAB***, ***%BKTMiles Mid-Cent, %HUC12 Public***, ***% TS Mi Public***, Fishtail Land Use Index, ***% Nat Buff***.

Environmental Resilience Score: Environmental Resilience is a summary score of the Brook Trout Reserve based on mid-century values for the following stream variables: miles of future BKT habitat; % of BKT miles remaining; mean July stream temperature; and future stream temperature increase. Scores range from 1 to 52, where 52 represents the reserve with the most favorable conditions for future Brook Trout conservation.

Hover your mouse over a Brook Trout Reserve and click to advance to it's detailed map

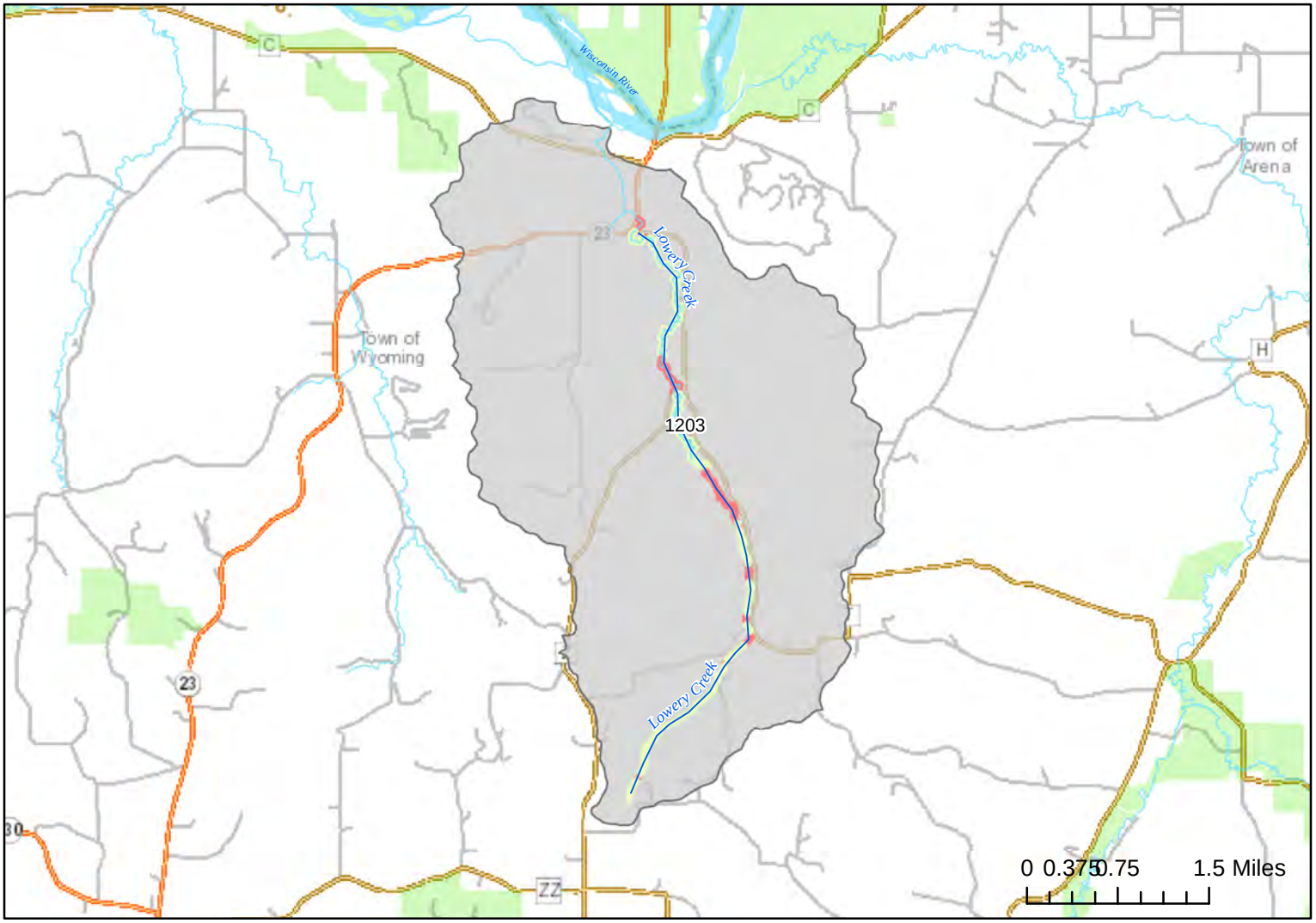


BTR# 2

Lowery Creek

Go Back to State Map

Environmental Resilience Score: 48



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
1203	000	418	15.7	85	16.7	72	0	7.5	0	0	5

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

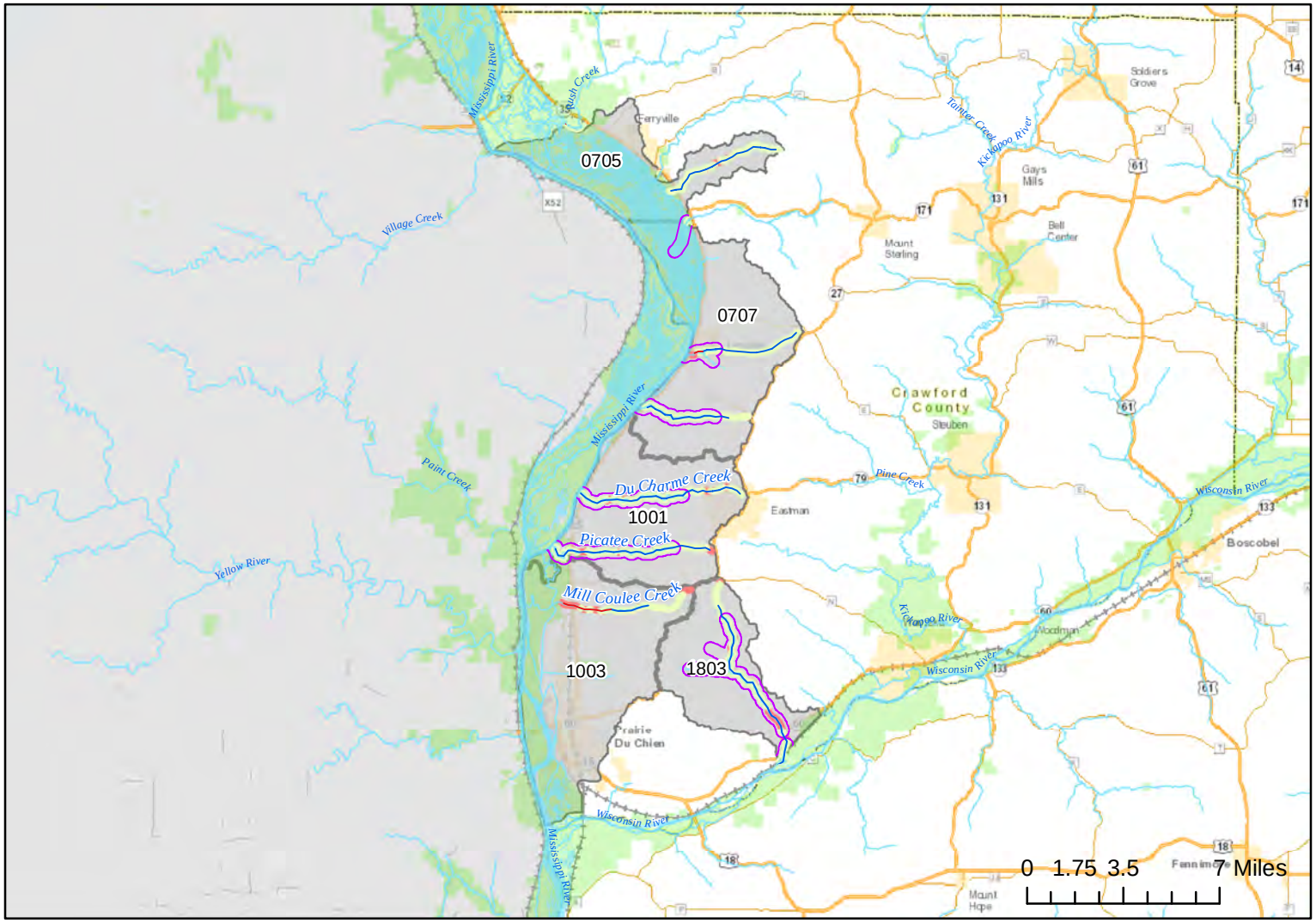
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 3

West Crawford Five

Go Back to State Map

Environmental Resilience Score: 33



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0705	000	000	2.7	21	20.7	83	57	5.6	5	0	6
0707	153	000	17.6	45	17.3	92	18	9	1	0	5
1001	N/A	N/A	10.5	28	17.1	79	4	13.7	7	0	7
1003	N/A	N/A	8.3	33	20.9	60	24	5.4	0	0	7
1803	038	208	15.4	60	17	73	2	9.1	12	0.4	5

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

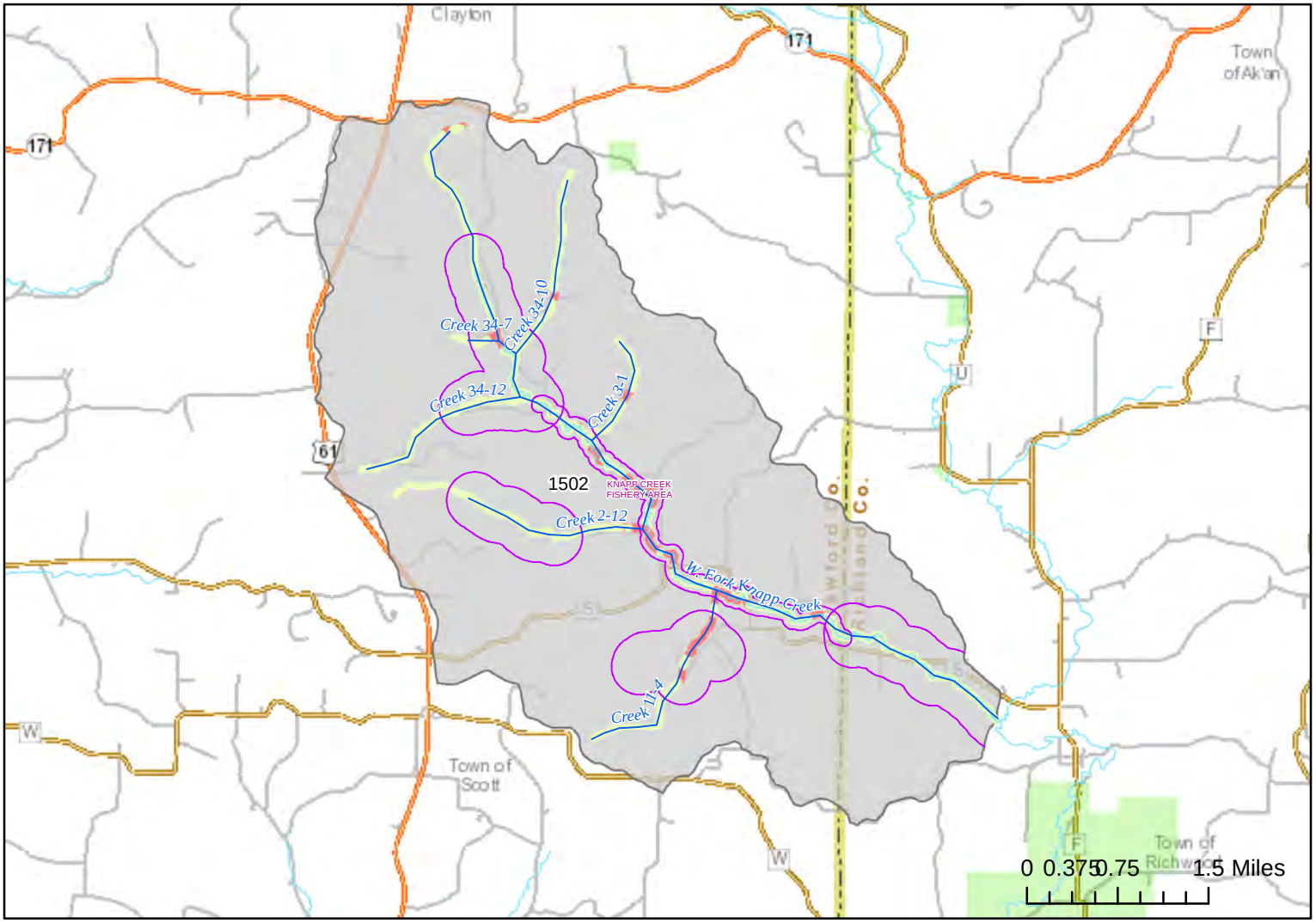
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 4

WF Knapp Creek

Go Back to State Map

Environmental Resilience Score: 49



HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
1502	064	113	20.1	66	16.6	82	0	19	0	8.9	5

Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

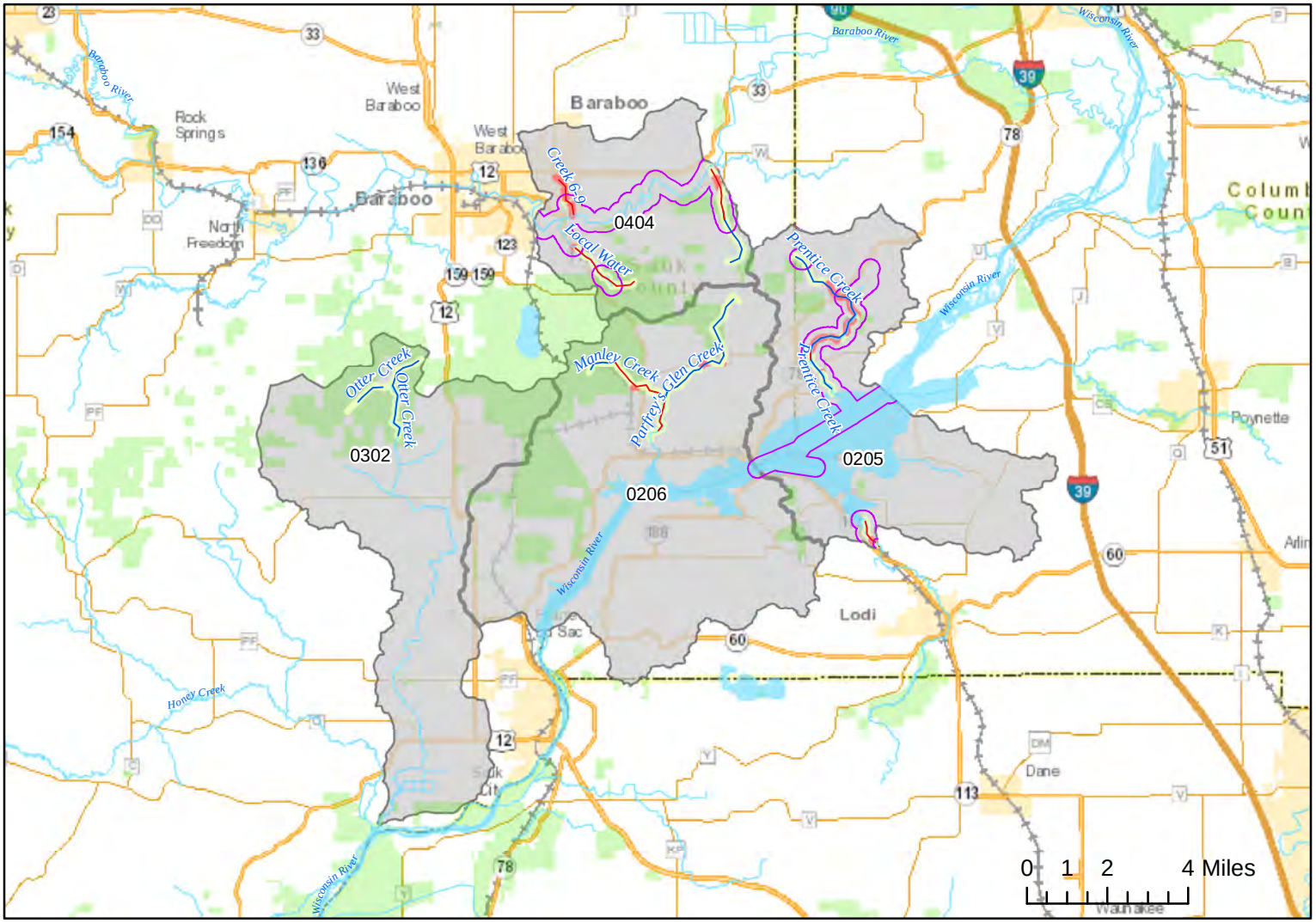
Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

BTR# 5

Baraboo Hills

Go Back to State Map

Environmental Resilience Score: 30



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0404	000	097	2.8	10	21	87	19	7.1	29	4.1	6
0205	000	592	6.9	25	18.9	62	4	6.9	11	6.1	7
0206	000	751	4.9	24	17.6	94	17	9	42	0.4	6
0302	000	184	19.6	37	17.4	100	22	4.2	88	0.5	4

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

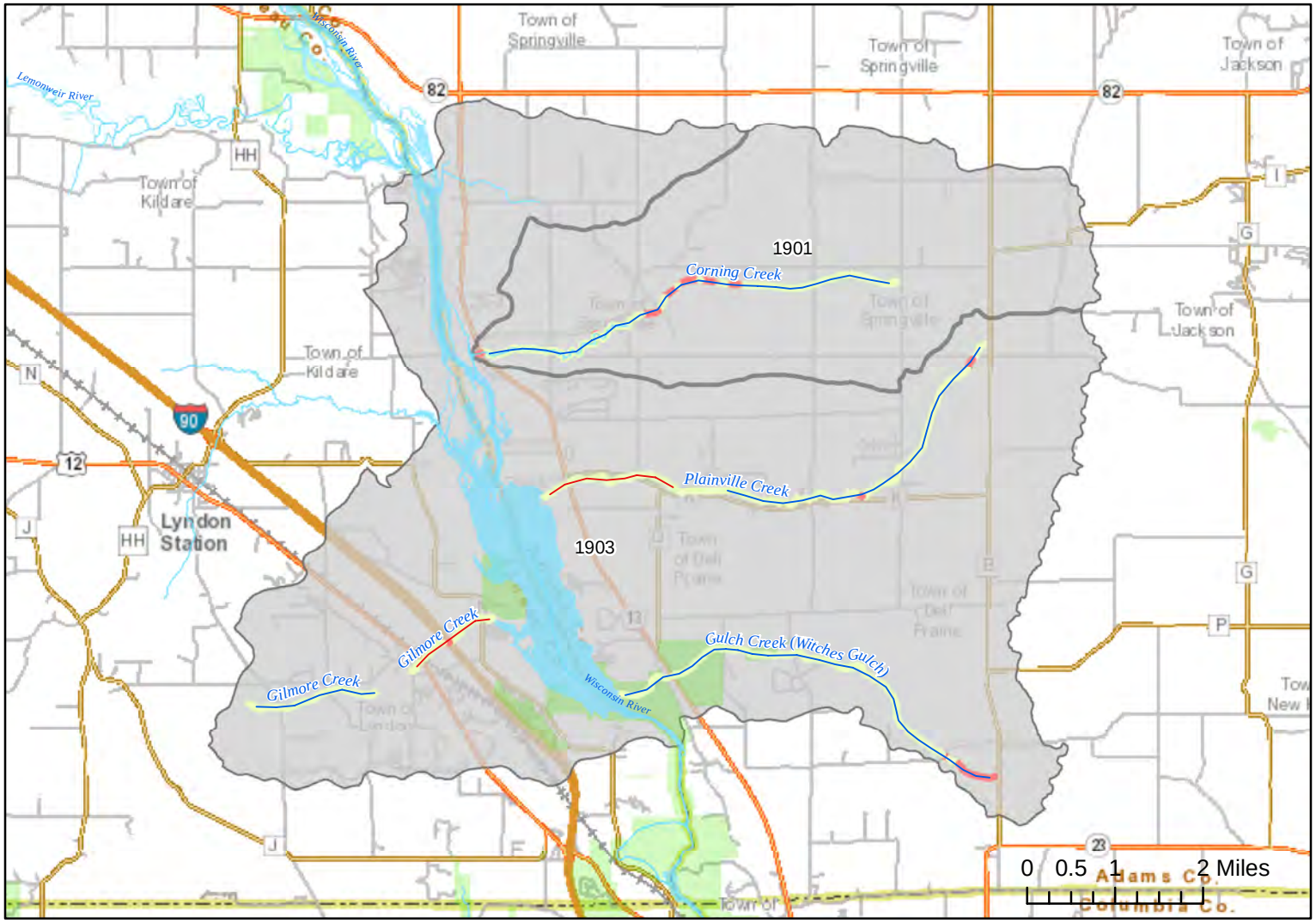
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 10

Adams - Dell Prairie

Go Back to State Map

Environmental Resilience Score: 40



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
1901	000	222	16.2	92	16.5	82	0	5.7	0	0	5
1903	000	387	11.6	26	20.1	93	3	14.8	11	0.6	6

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

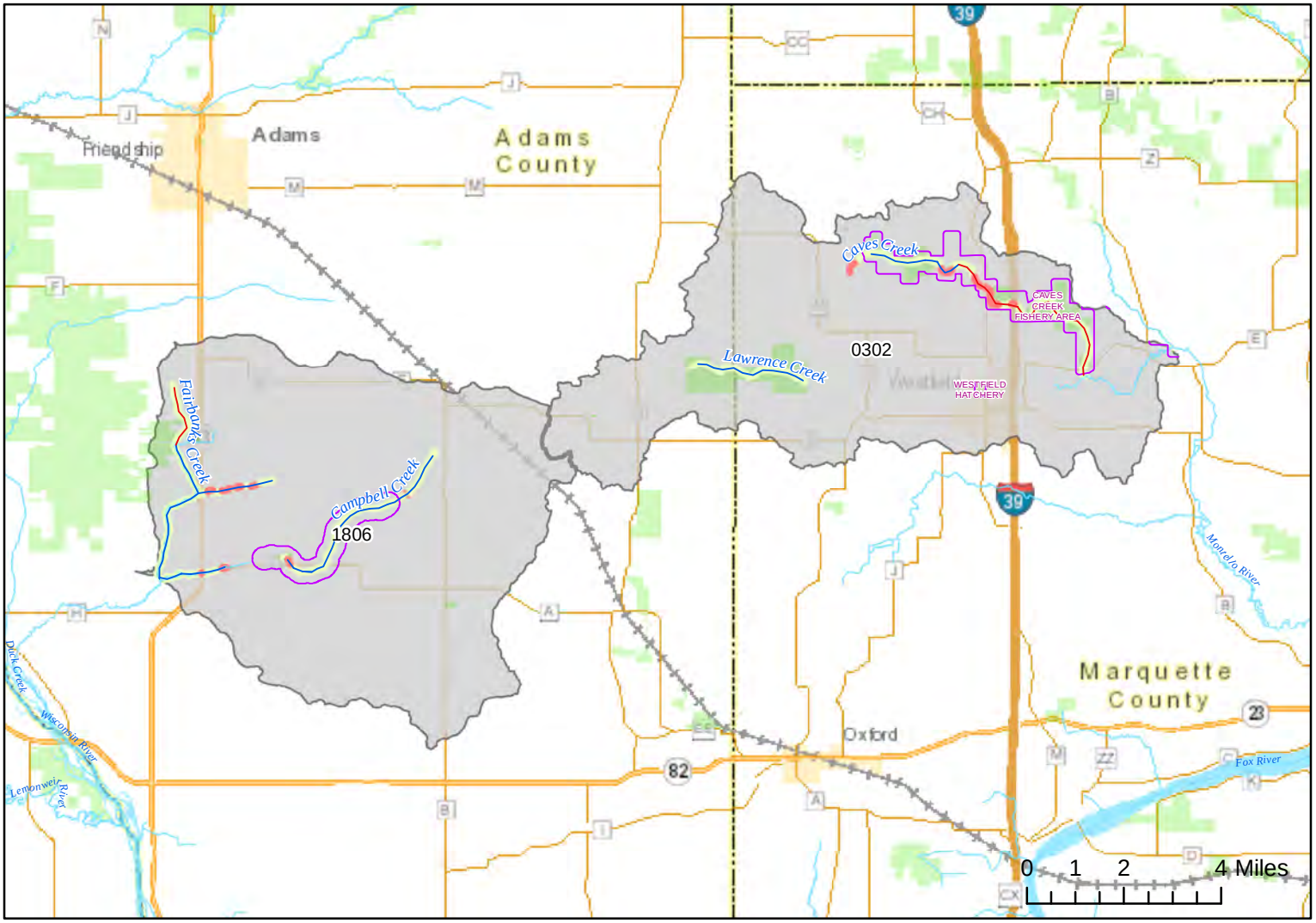
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 12

Caves/Campell/Lawrence

Go Back to State Map

Environmental Resilience
Score: 28



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0302	000	516	4.9	18	19.4	91	6	12.6	64	3.6	6
1806	210	129	18.4	54	17.6	92	1	14	7	4.1	5

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

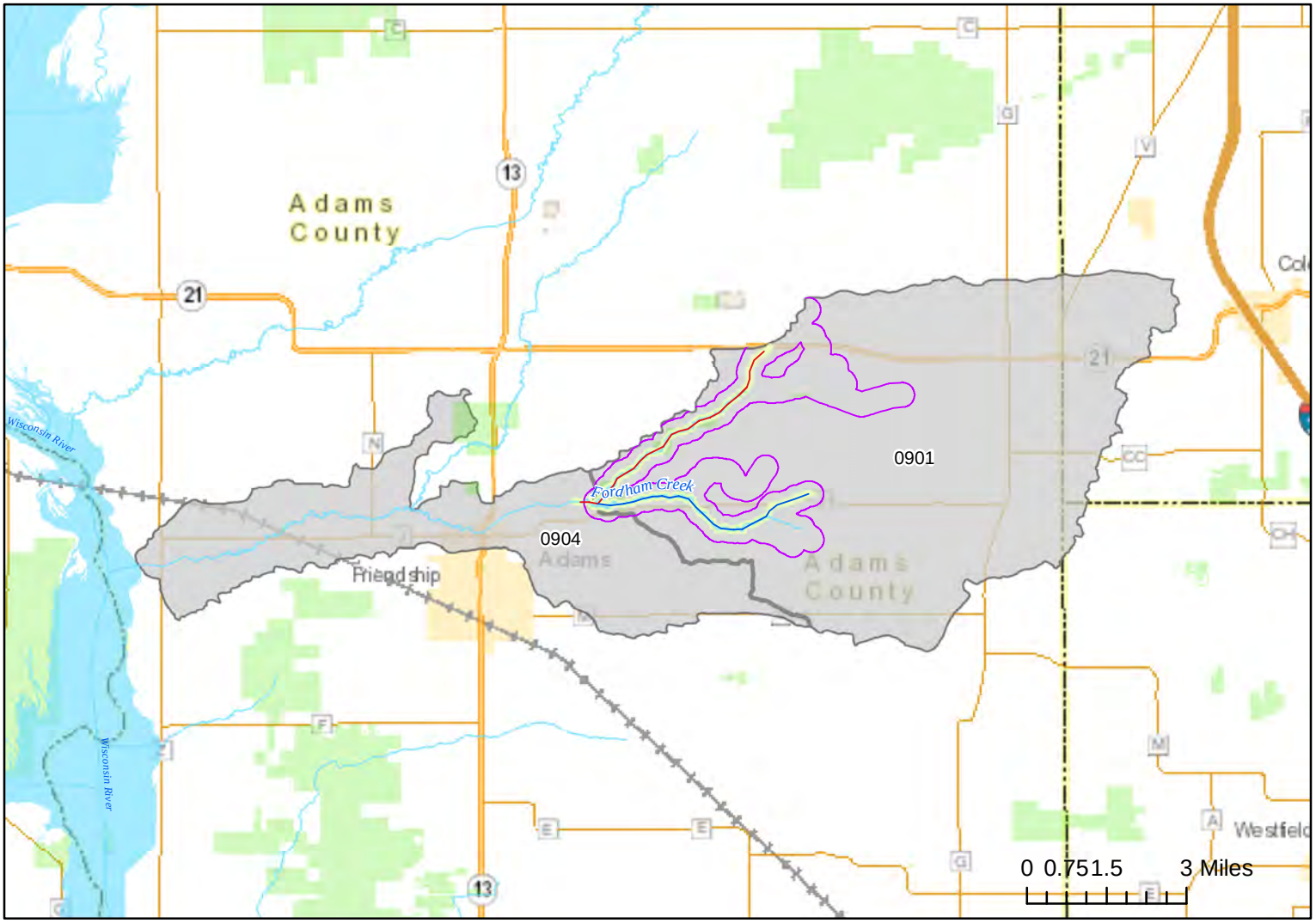
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 13

Adams - Little Roche Cri

Go Back to State Map

Environmental Resilience Score: 16



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0901	012	099	4.8	25	20.2	100	1	13.9	33	4.9	6
0904	206	213	2.1	17	20.8	100	2	0.7	61	0	6

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

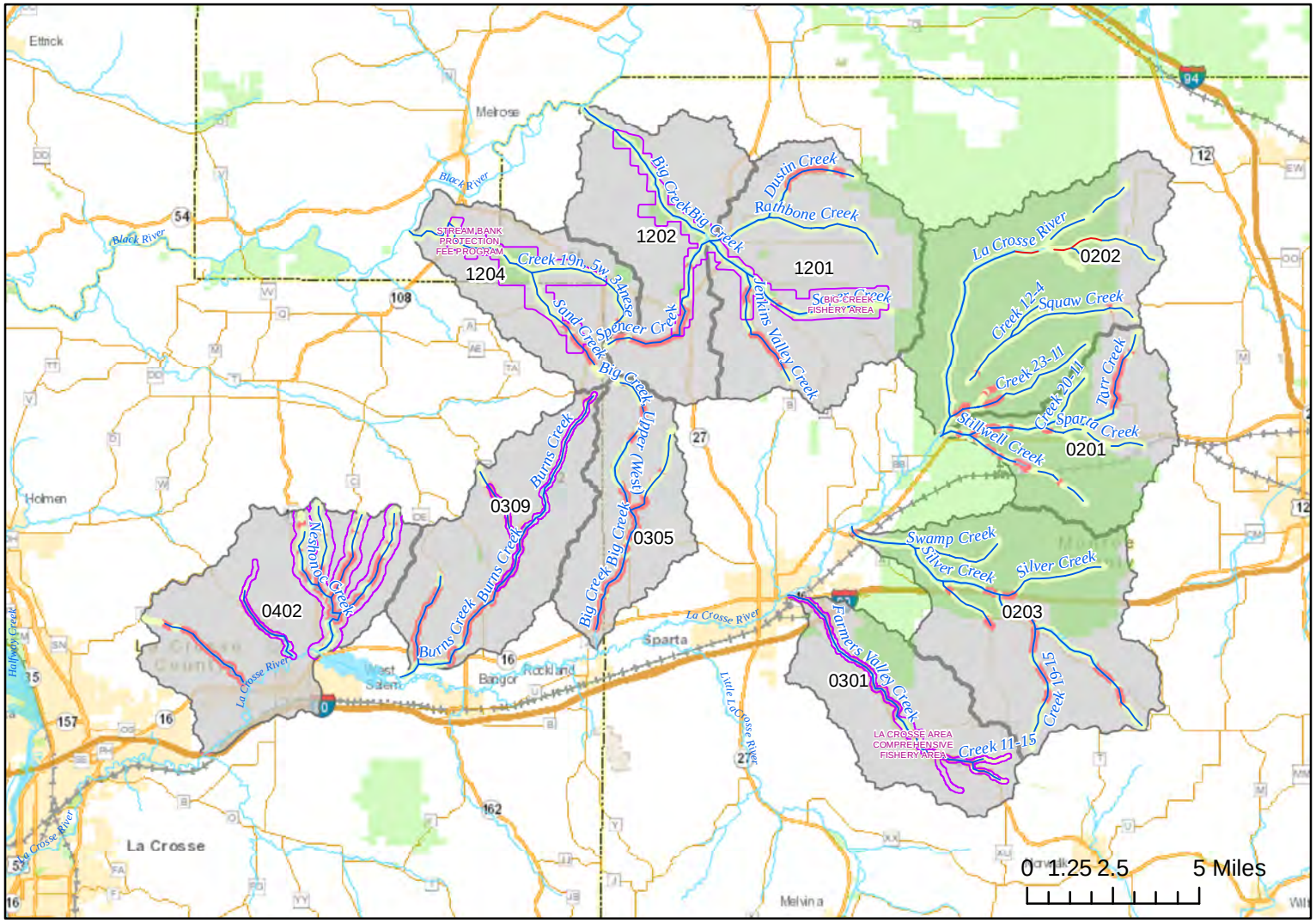
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 14

Fort McCoy

Go Back to State Map

Environmental Resilience
Score: 46



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0201	N/A	N/A	20	89	17	82	61	21	68	0	4
0202	115	057	34	92	17.4	93	82	33.2	90	0	3
0203	000	129	15.3	44	17.2	82	46	28.9	53	0	4
0301	370	016	2.3	12	17.1	57	13	13	27	9.5	7
0305	000	160	11	58	16.9	43	0	13.4	0	0	7
0309	093	200	21.8	68	16.8	52	0	19.6	12	7.7	5
0402	000	265	31.9	53	17.2	41	0	25.7	8	1.6	5
1201	000	244	26.4	63	17.2	85	10	22.6	20	5.7	5
1202	000	221	14.7	53	17	77	5	13.1	44	3.5	5
1204	000	296	15.3	87	17.3	91	7	14.7	18	7.3	5

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

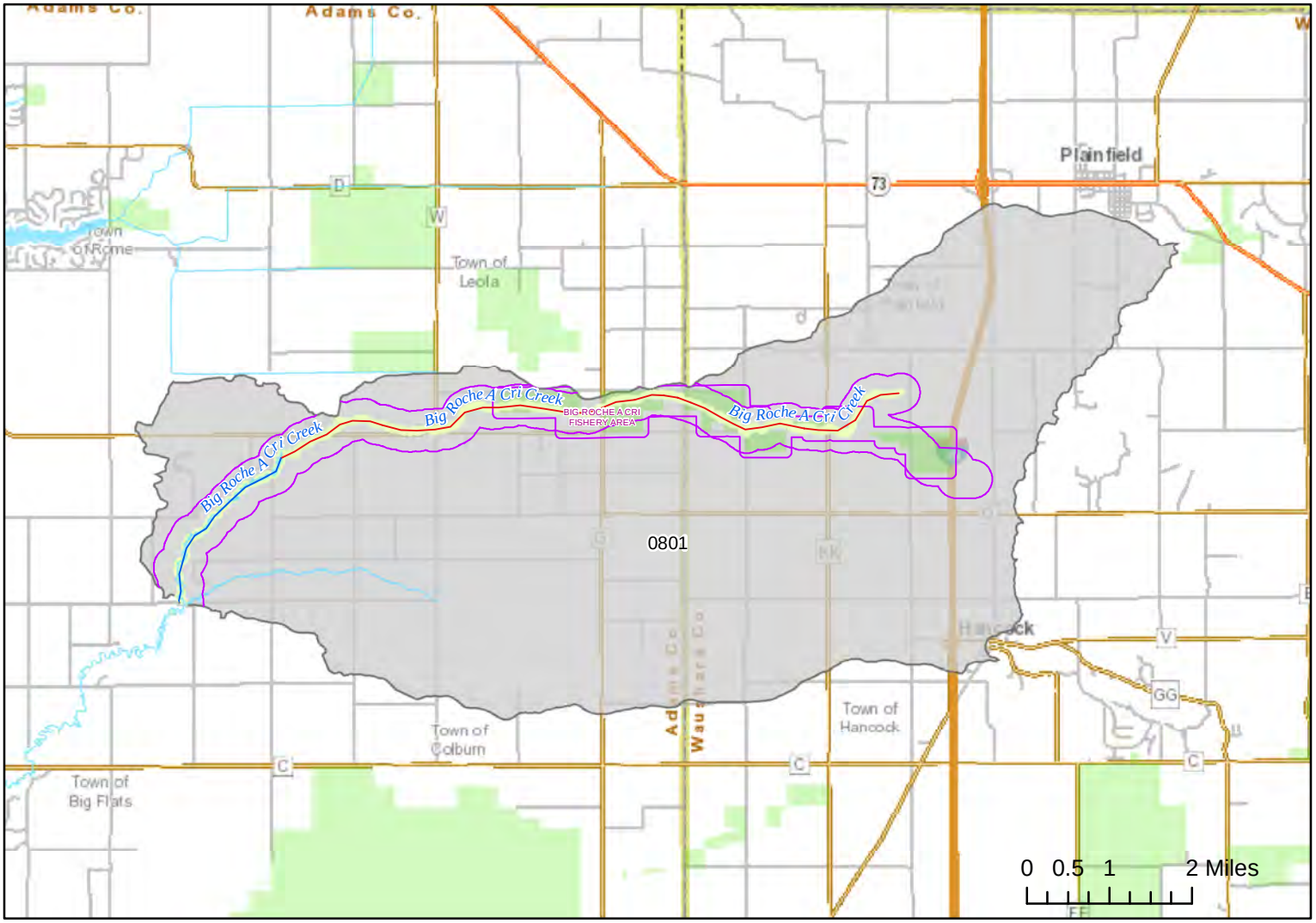
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 16

Adams - Big Roche Cri

Go Back to State Map

Environmental Resilience Score: 18



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0801	009	142	2.5	6	19.3	100	3	15.4	28	10.4	6

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

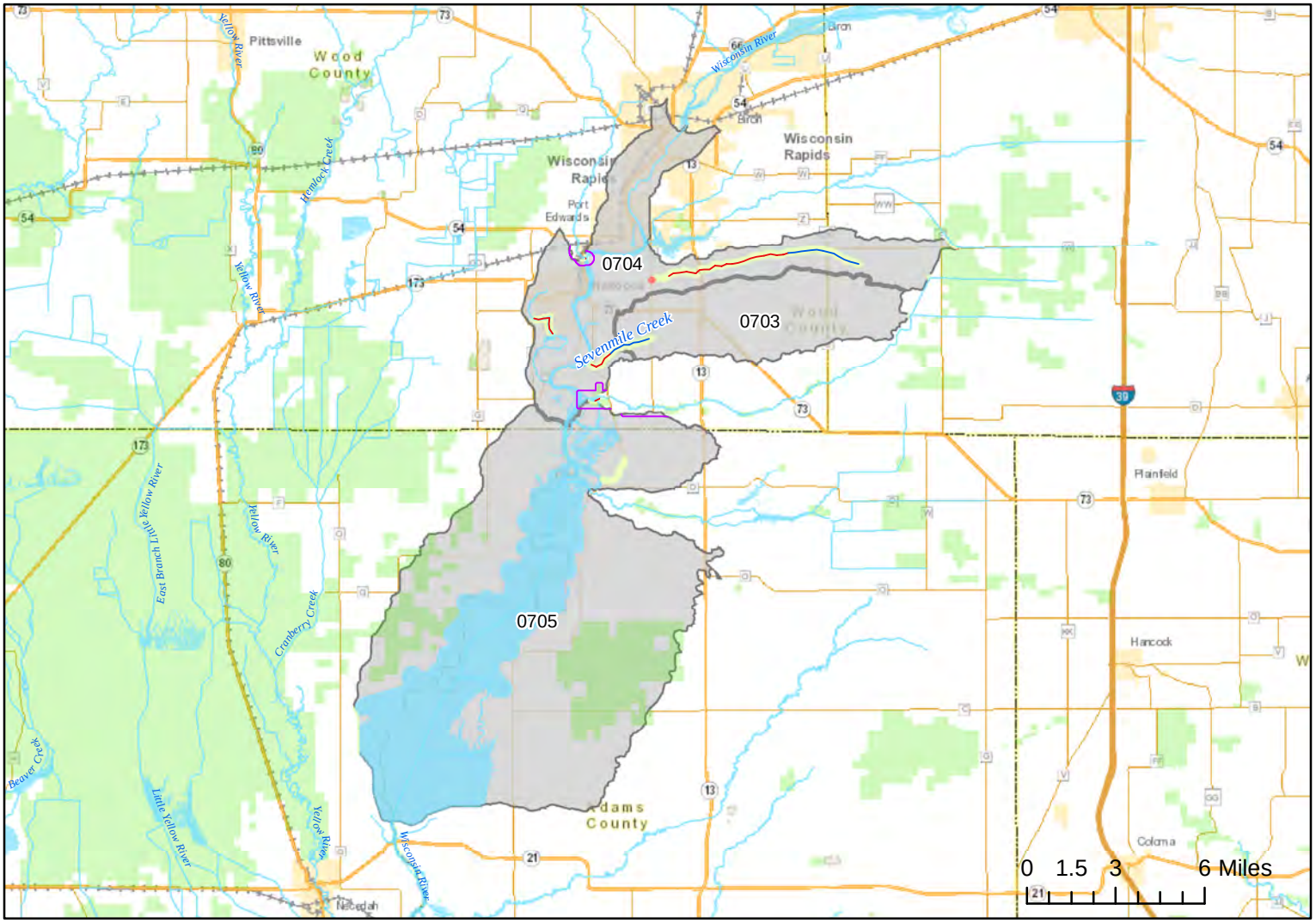
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 18

Wood County

Go Back to State Map

Environmental Resilience Score: 21



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0703	000	261	3.9	19	18.7	100	0	1.5	0	0	6
0704	000	034	13.6	30	21	99	1	13.8	1	1.6	6
0705	N/A	N/A	0	0	19.8	100	14	1.2	0	0	6

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

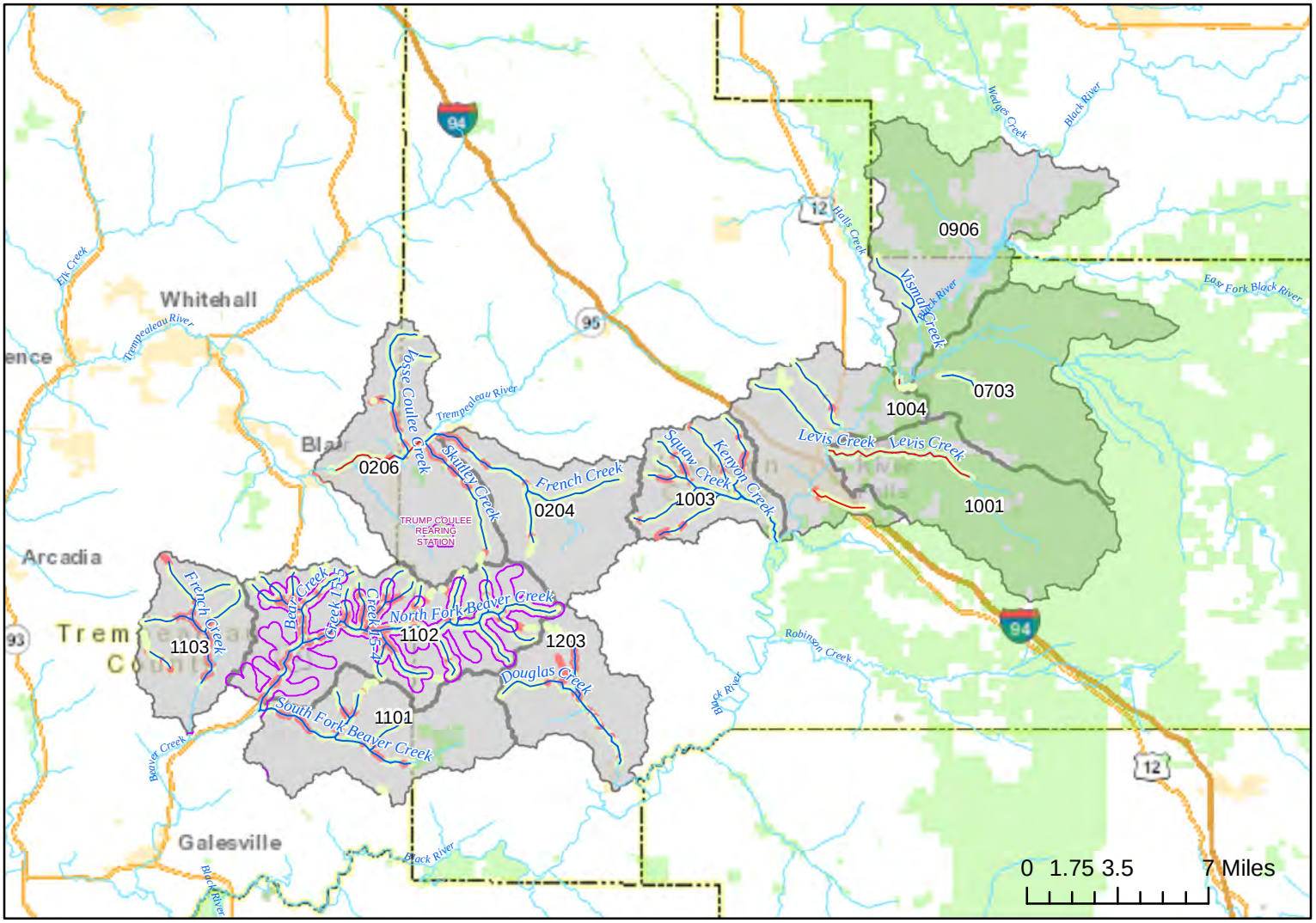
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 19

Jackson County Forests

Go Back to State Map

Environmental Resilience Score: 39



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0204	000	259	6.8	24	17.3	88	0	12.9	0	0	7
0206	000	327	21.7	46	17.6	81	4	21.9	10	0	5
0703	000	724	2.5	7	20.5	100	97	1.9	100	0	1
0906	000	892	21.8	41	18.6	100	47	5.5	15	0.2	2
1001	040	084	3.8	12	20.1	99	85	9	59	0	1
1003	000	256	10.4	38	16.9	84	0	24.1	0	0	7
1004	000	319	13.3	39	18.8	96	16	12.5	8	0	6
1101	000	052	24.3	47	16.8	74	5	16.2	0	0	5
1102	000	295	43.7	55	16.7	76	1	61.5	5	40.9	5
1103	000	273	29.1	90	16.5	63	0	15.1	2	0	5
1203	000	216	13.2	36	17.1	68	0	13.5	0	0	7

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

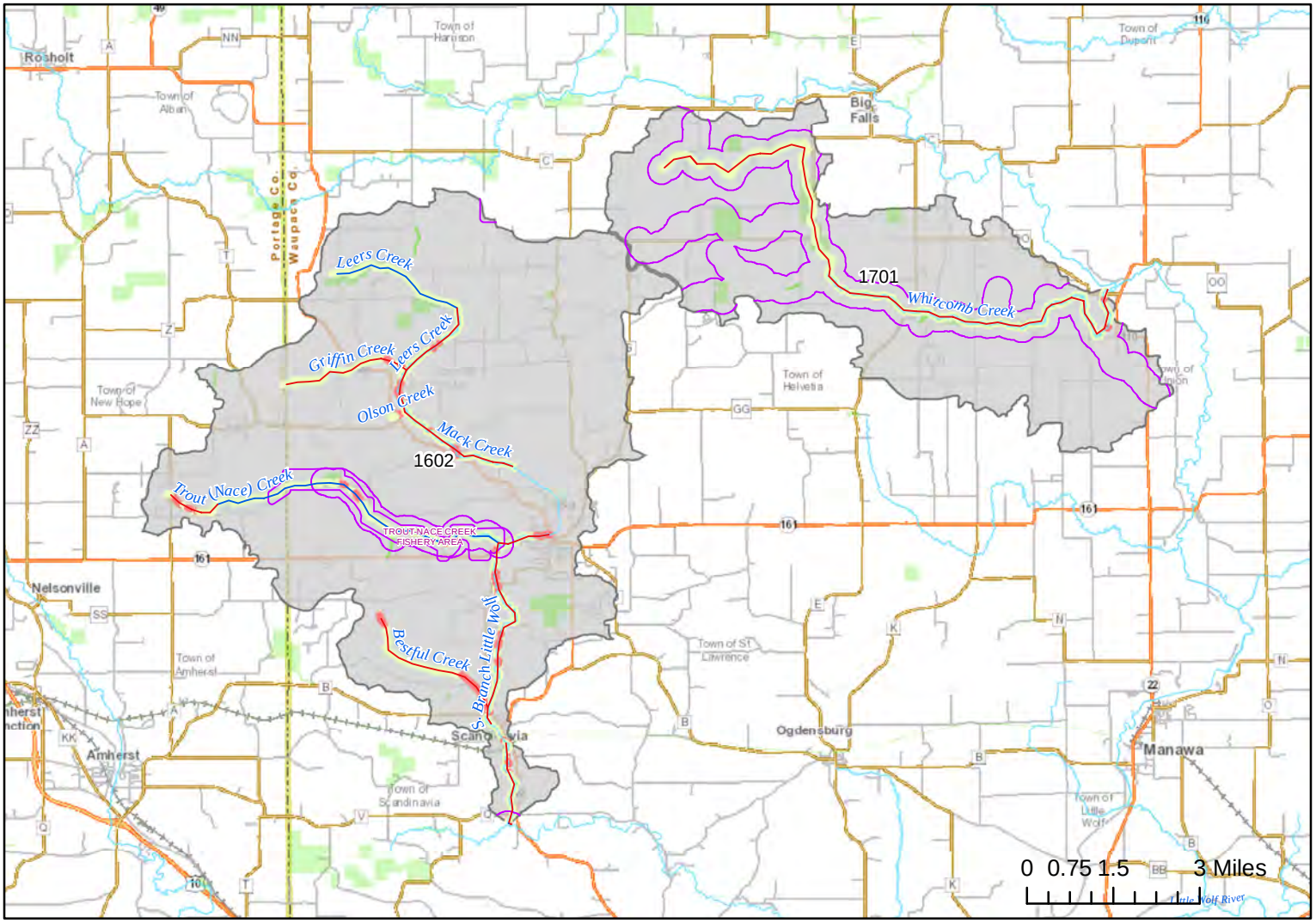
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 20

SB Wolf/Whitcomb

Go Back to State Map

Environmental Resilience Score: 20



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
1602	070	1011	5.2	15	19.9	87	2	31.3	35	2.7	6
1701	000	377	6.7	26	20.6	99	3	15.8	19	12.8	6

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

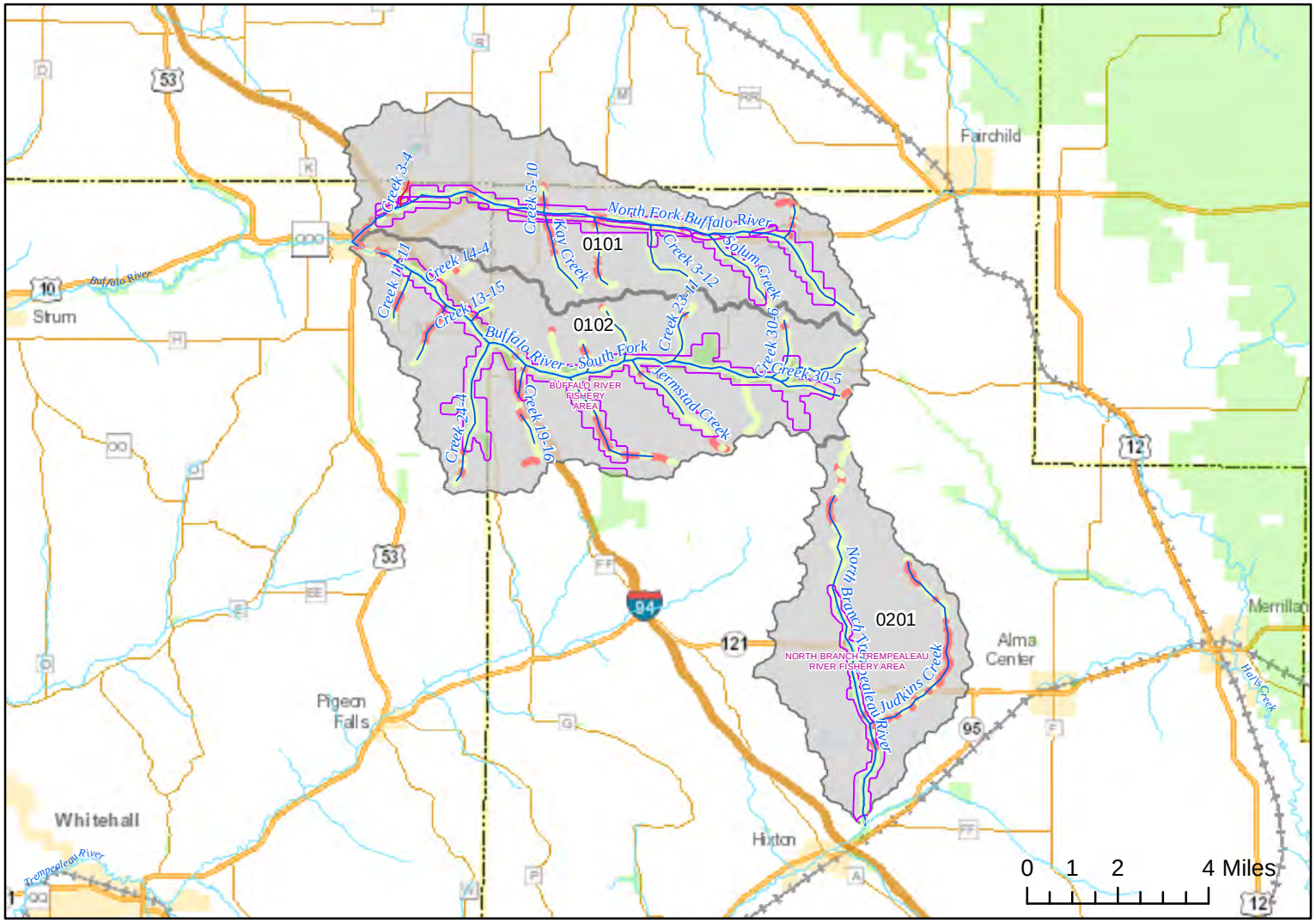
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 21

Go Back to State Map

Buffalo/Trempealeau Rivers

Environmental Resilience Score: 40



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0101	000	198	14.2	44	17.9	86	4	26.7	44	5.3	5
0102	000	267	19.4	44	17.8	86	5	43.8	41	6.2	5
0201	065	256	8.4	32	17.5	79	2	16.8	38	0.8	7

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

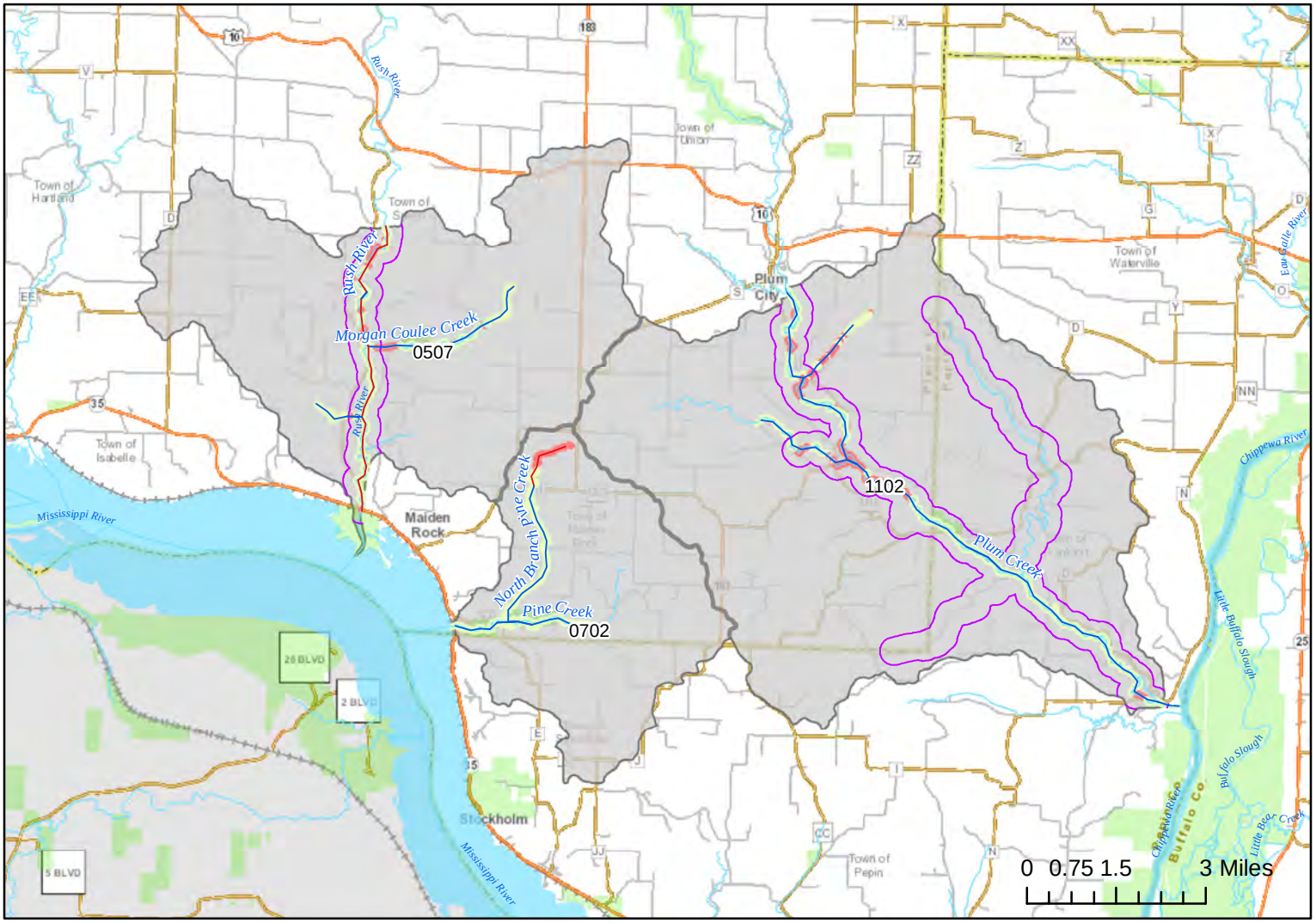
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 22

Plum/Rush/Pine

Go Back to State Map

Environmental Resilience Score: 24



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0507	015	659	2.5	5	18.5	86	1	11.1	4	5.5	7
0702	041	1149	0.5	2	18.9	89	2	8	34	0	6
1102	240	106	6.7	10	17.7	76	0	19.9	2	16	7

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

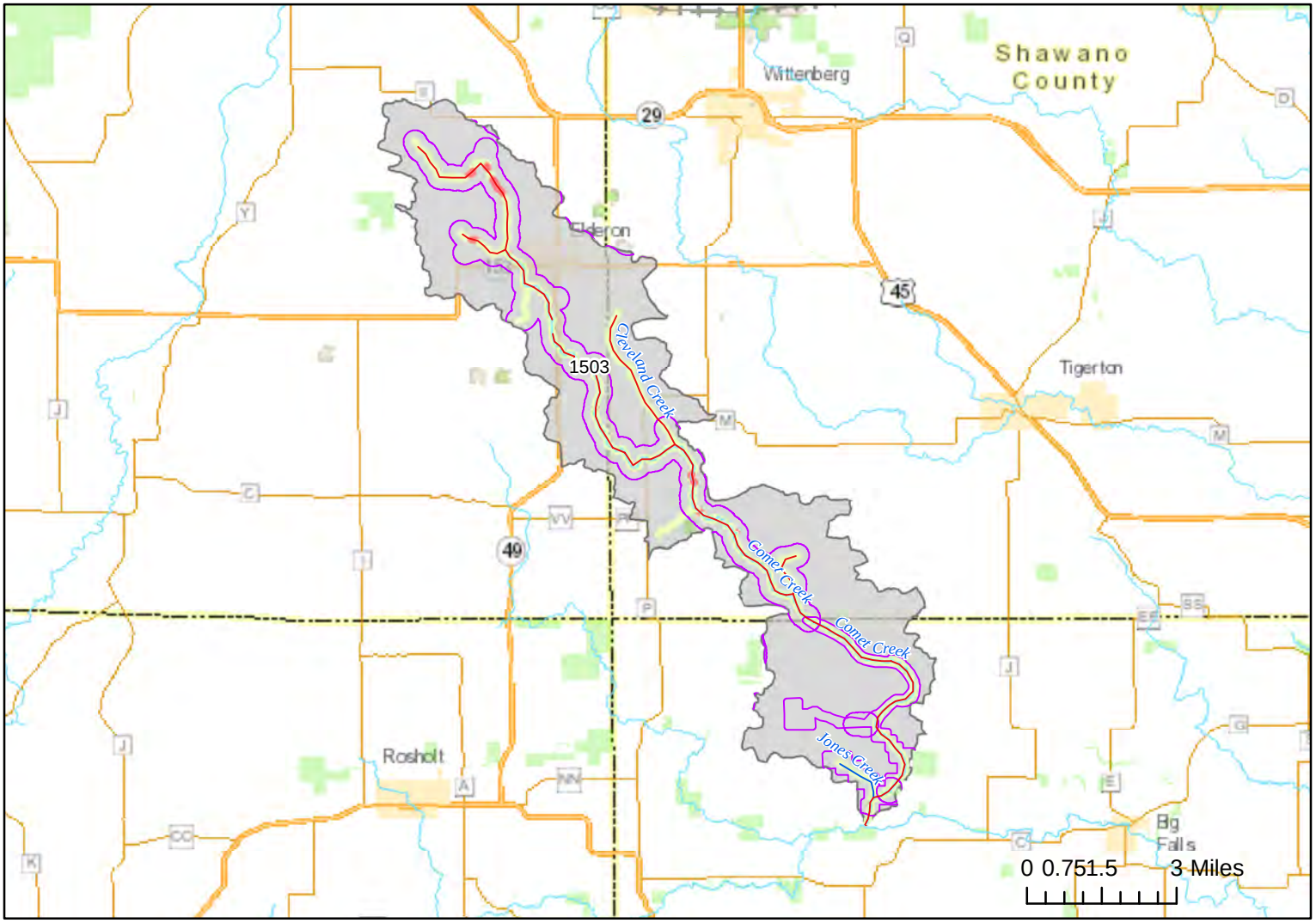
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 24

Go Back to State Map

Comet Creek

Environmental Resilience Score: 4



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
1503	000	764	1.7	5	21.4	96	0	35.8	0	31.7	6

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

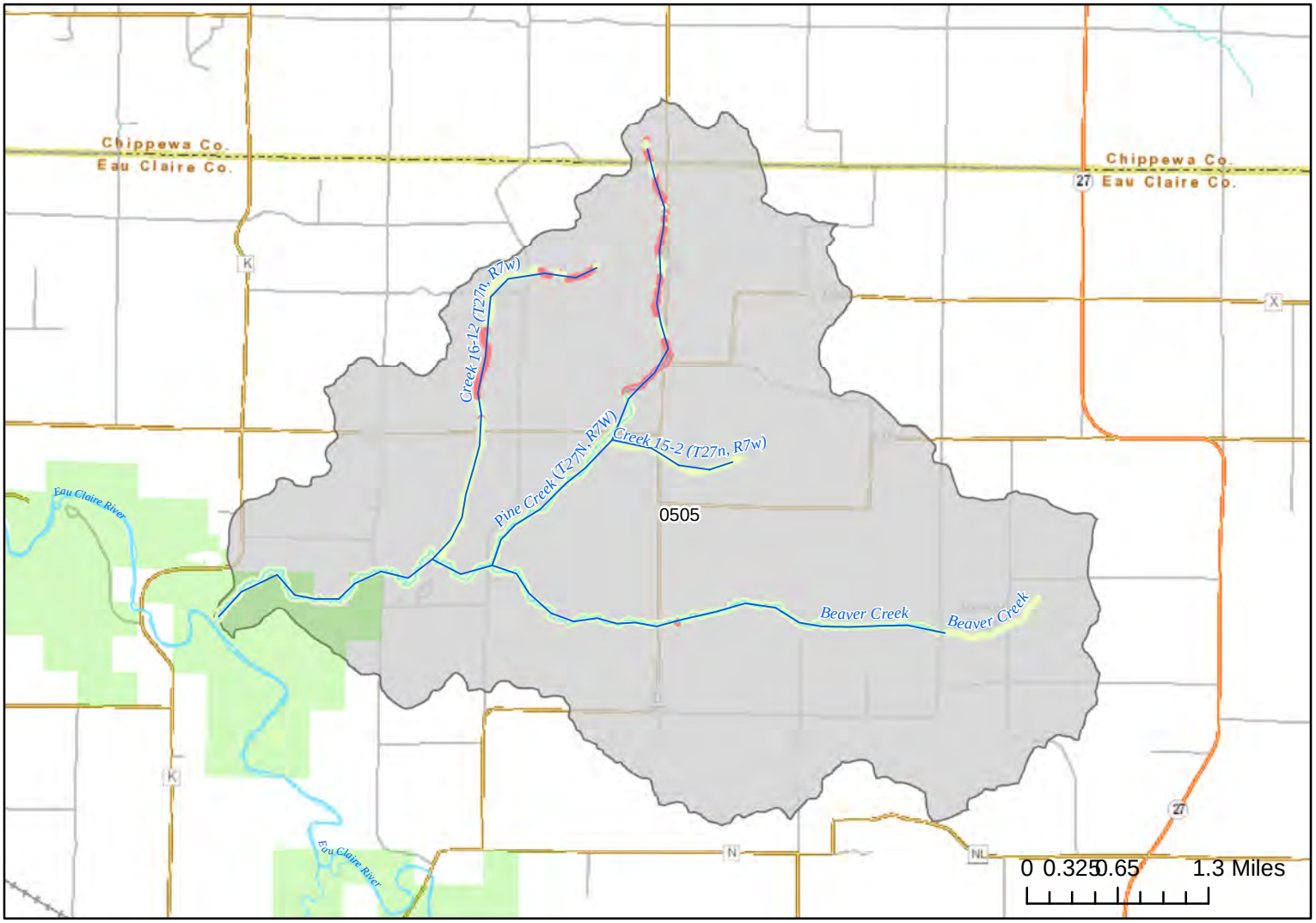
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 25

Go Back to State Map

Eau Claire - Beaver Creek

Environmental Resilience Score: 38



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0505	000	713	8.8	36	16.7	86	2	17	10	0	7

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

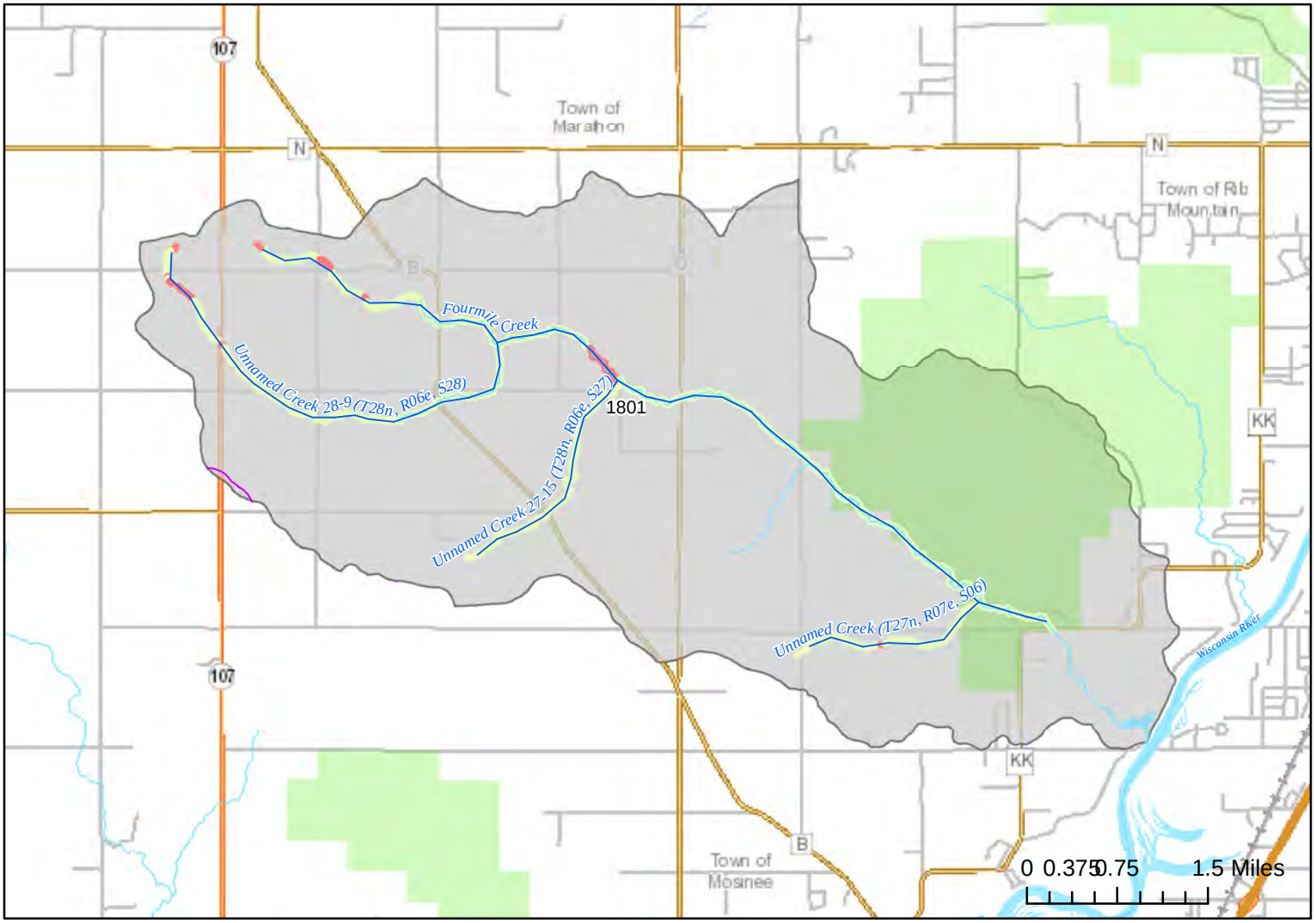
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 26

Go Back to State Map

Marathon - Fourmile Creek

Environmental Resilience Score: 23



HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
1801	000	193	3	8	18.4	94	16	18.6	13	0	6

Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

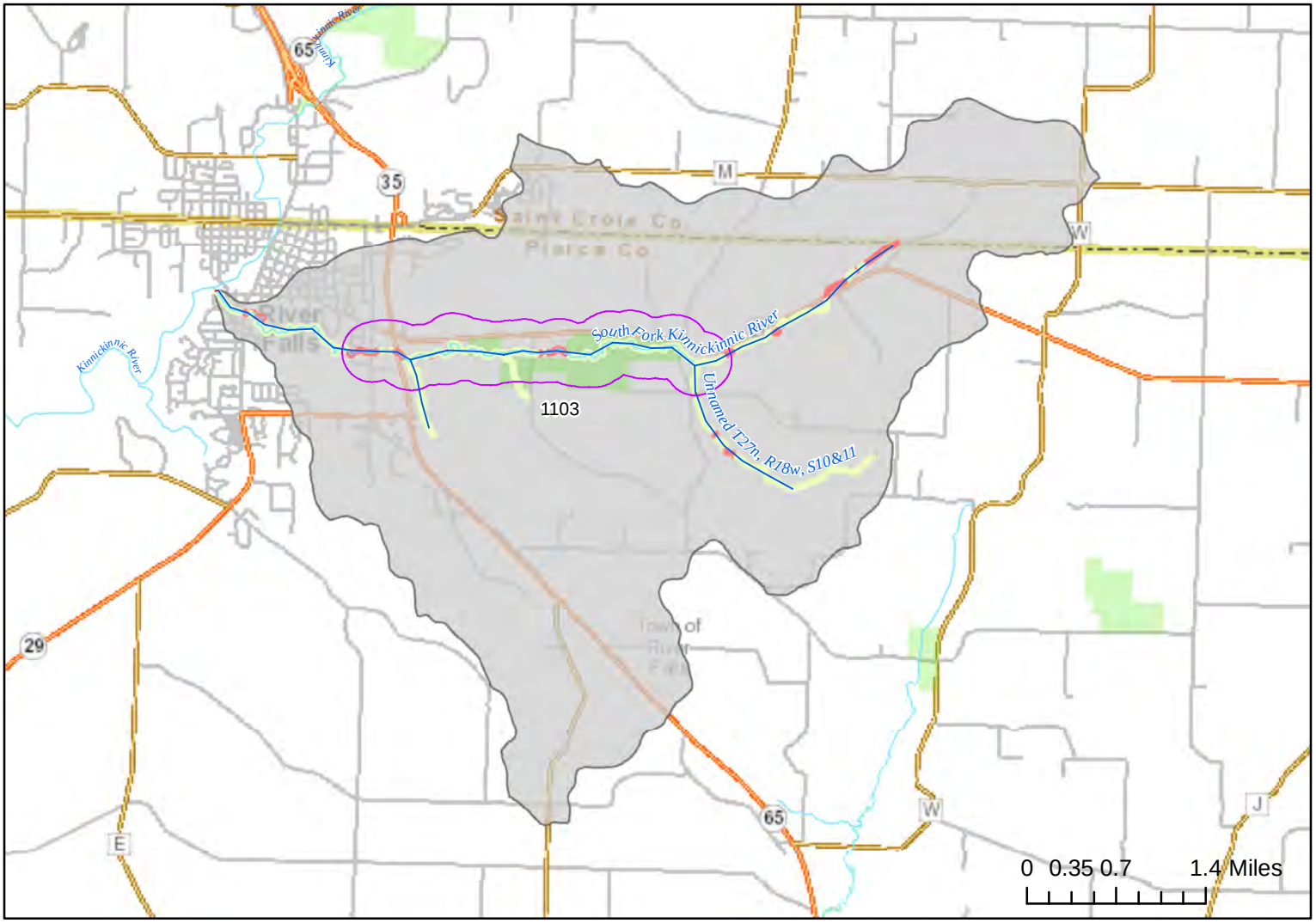
Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

BTR# 27

SF Kinnickinnic

Go Back to State Map

Environmental Resilience Score: 51



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
1103	000	2527	16.9	93	15.6	84	2	10.5	19	1.8	5

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

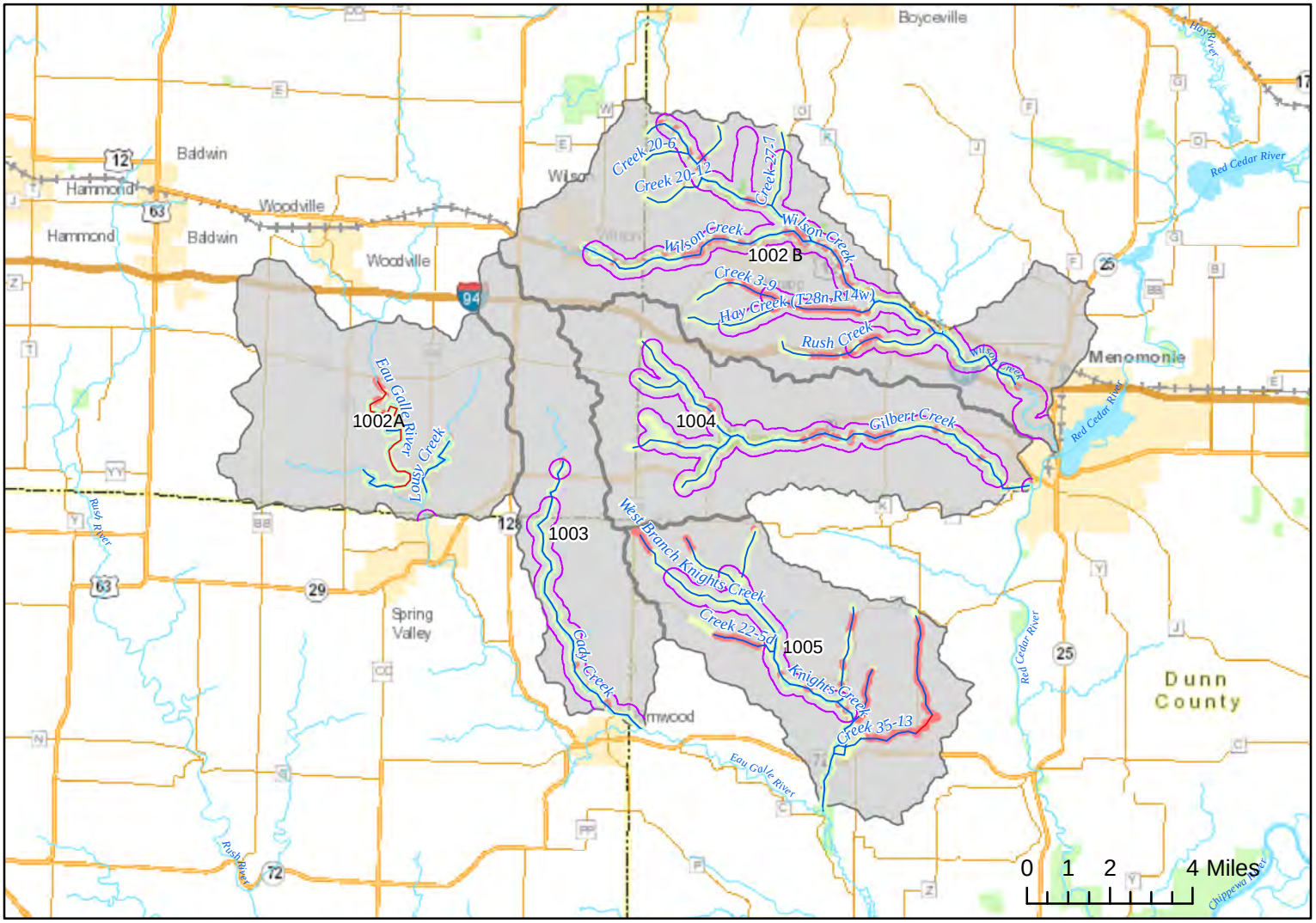
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 28

Go Back to State Map

West Slope Red Cedar

Environmental Resilience Score: 37



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
1002A	000	048	2.8	6	18	91	0	9.7	0	0	7
1003	007	1655	10.5	35	17	96	0	9.9	34	4.7	4
1005	000	248	12	30	17.3	70	0	31.7	10	7.1	7
1002B	000	574	16.2	26	16.2	77	1	45.5	5	31.2	7
1004	015	887	11	22	16.9	89	1	23.7	19	16.8	7

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

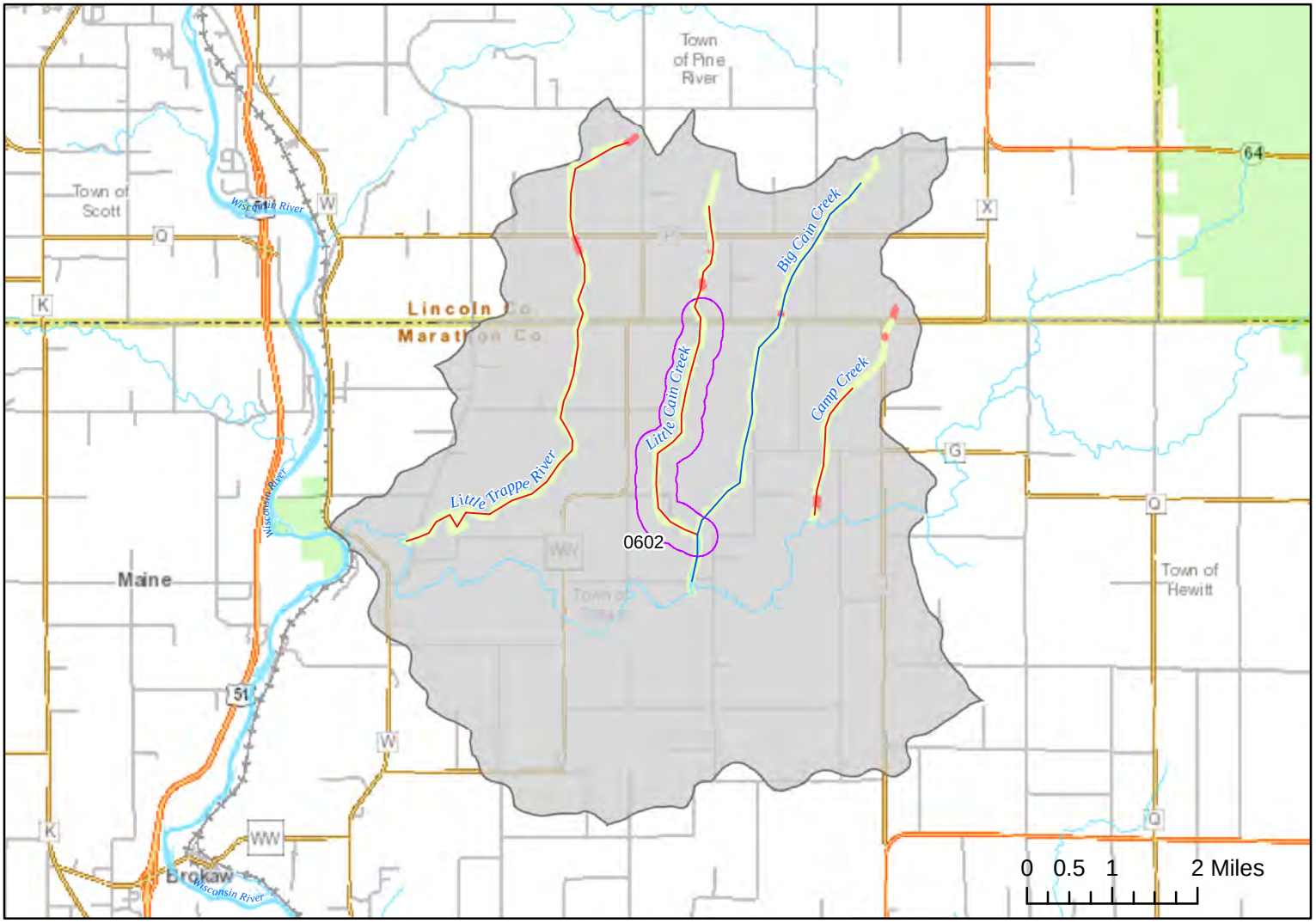
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 30

Trappe Tribs

Go Back to State Map

Environmental Resilience Score: 28



HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0602	000	233	10.8	23	19.3	97	0	23.3	0	3.3	6

Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

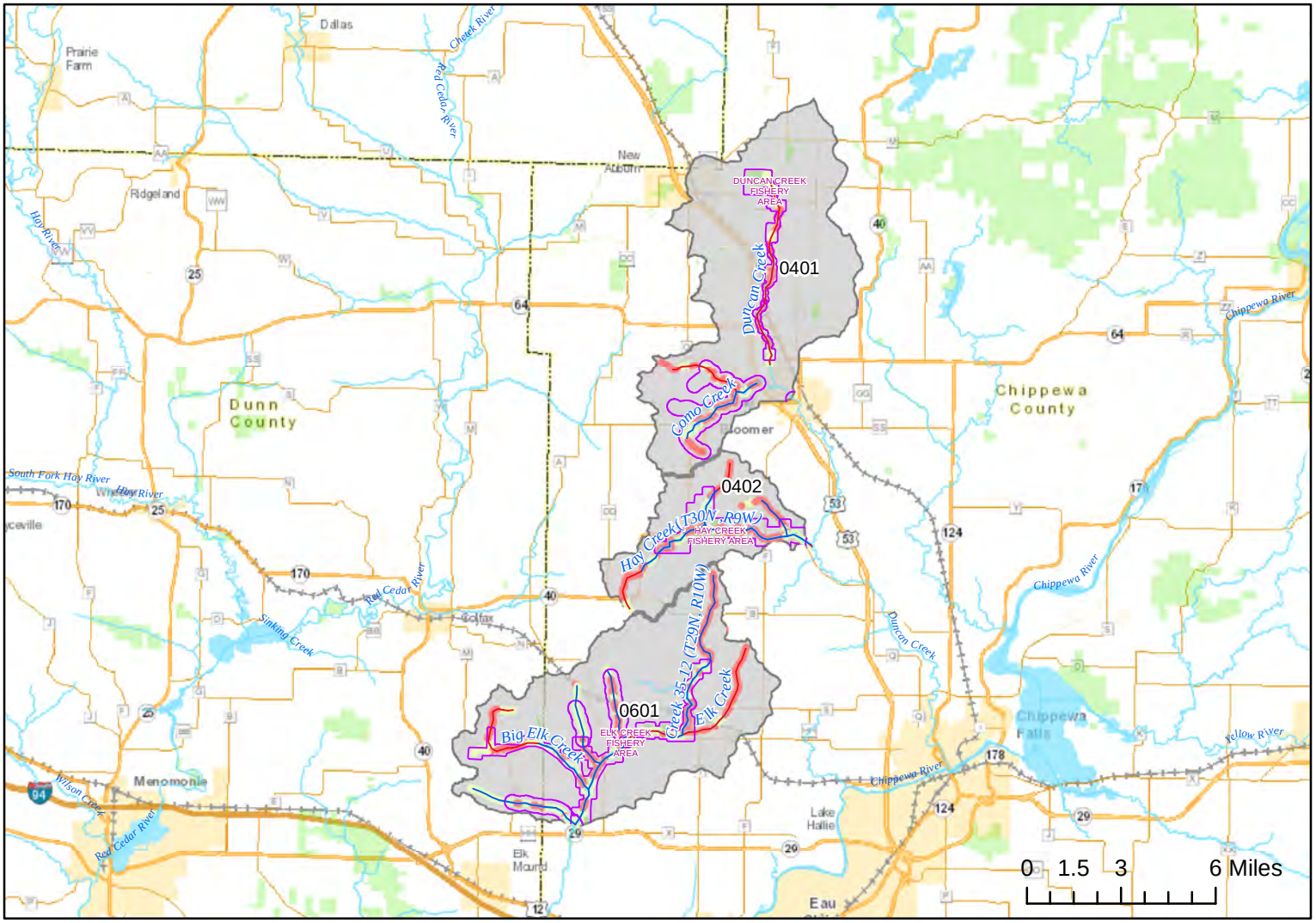
Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

BTR# 31

Go Back to State Map

Chippewa - Duncan/Elk

Environmental Resilience Score: 19



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0401	000	3751	0	0	19.4	70	2	16.6	45	5.5	7
0402	000	986	0	0	18.2	39	3	15.3	53	1.4	7
0601	271	400	2.7	5	18.3	65	2	35.5	38	9.4	7

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

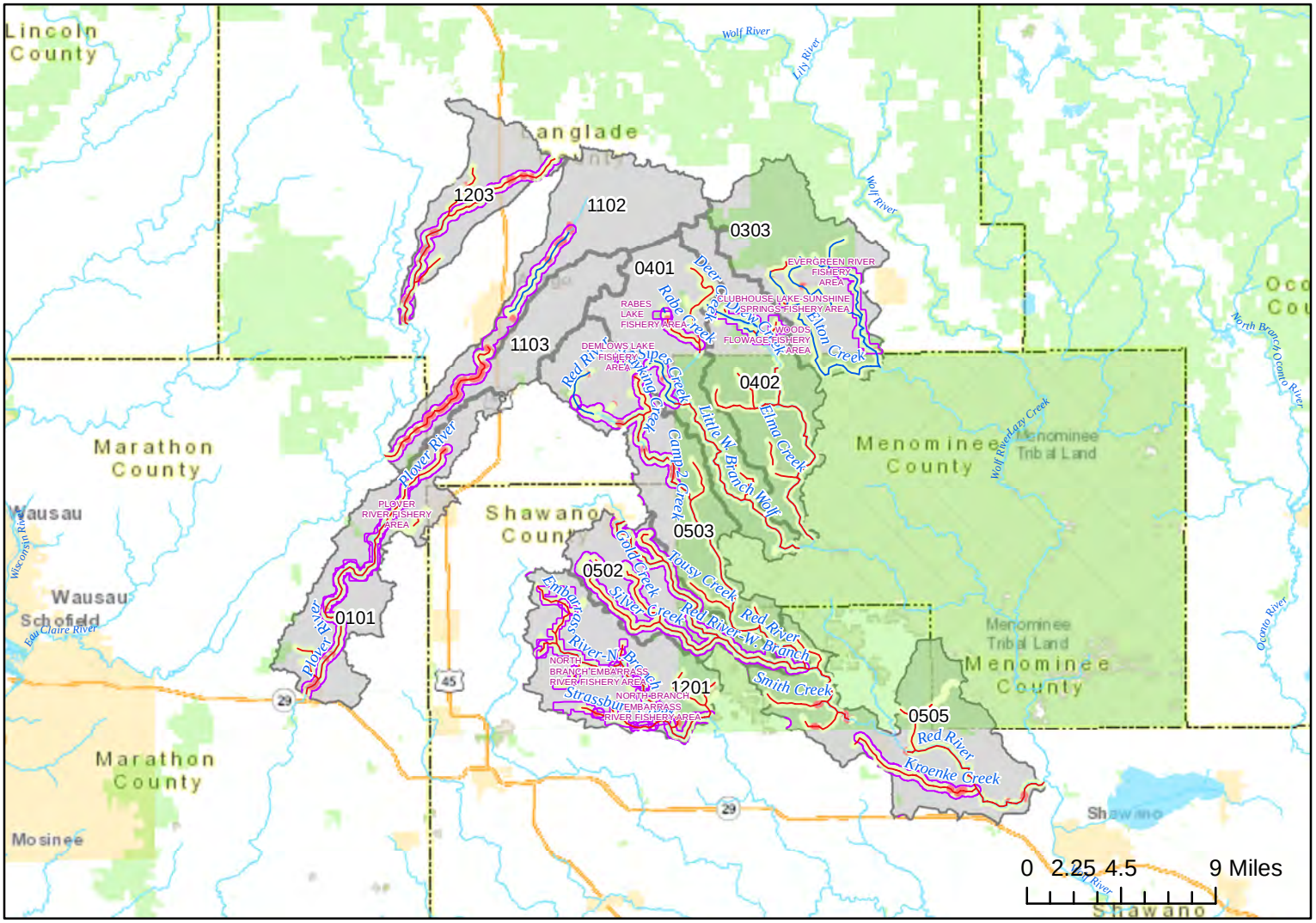
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 32

Go Back to State Map

Red/Embarrass/Wolf Tribs

Environmental Resilience Score: 22



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0303	230	462	30.5	96	18.1	97	56	31.3	57	1.6	3
0401	N/A	N/A	28.2	78	20	97	44	30.6	61	9.8	3
0402	278	506	9.9	28	20.6	100	70	32.2	82	5.4	1
0502	000	847	0	0	21.6	98	30	39.6	36	24.2	6
0503	073	198	10	24	20.5	97	45	38.7	56	14.6	1
0505	000	137	0	0	21.8	96	49	41.9	49	7.6	1
1201	003	566	0	0	21.6	98	13	42.5	18	28.8	6
1102	000	508	8	84	18.1	88	0	7.8	0	7.1	5
1103	000	136	0	0	19.1	68	1	9.2	0	9.2	7
1203	000	1280	0	0	21.4	93	1	19.5	7	12.6	6
0101	115	267	10.3	45	20.1	98	8	25.8	33	13.9	6

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

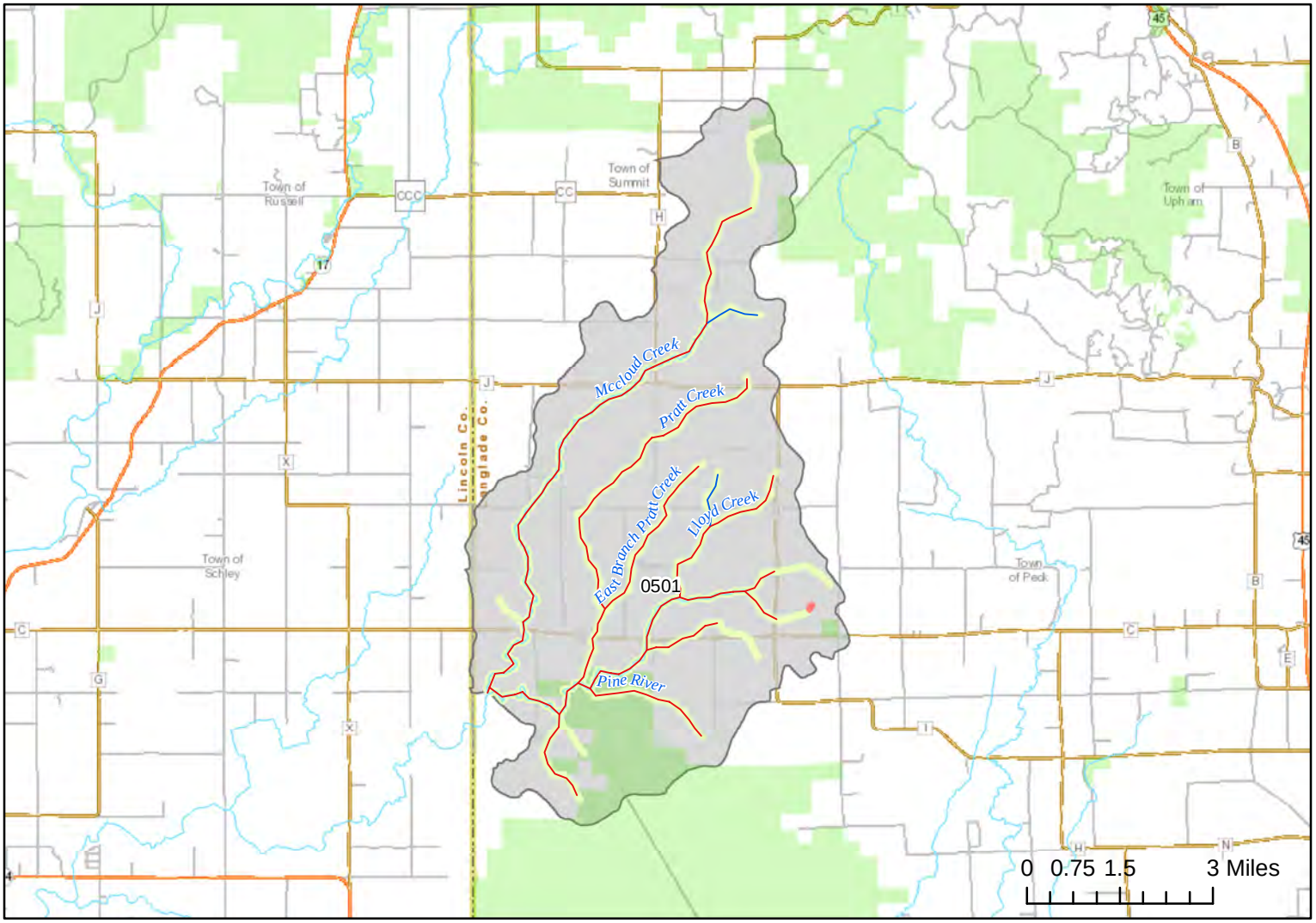
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 33

Go Back to State Map

Langlade - Upper Pine River

Environmental Resilience Score: 12



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0501	000	080	4.6	11	20.7	99	10	47.7	10	0	2

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

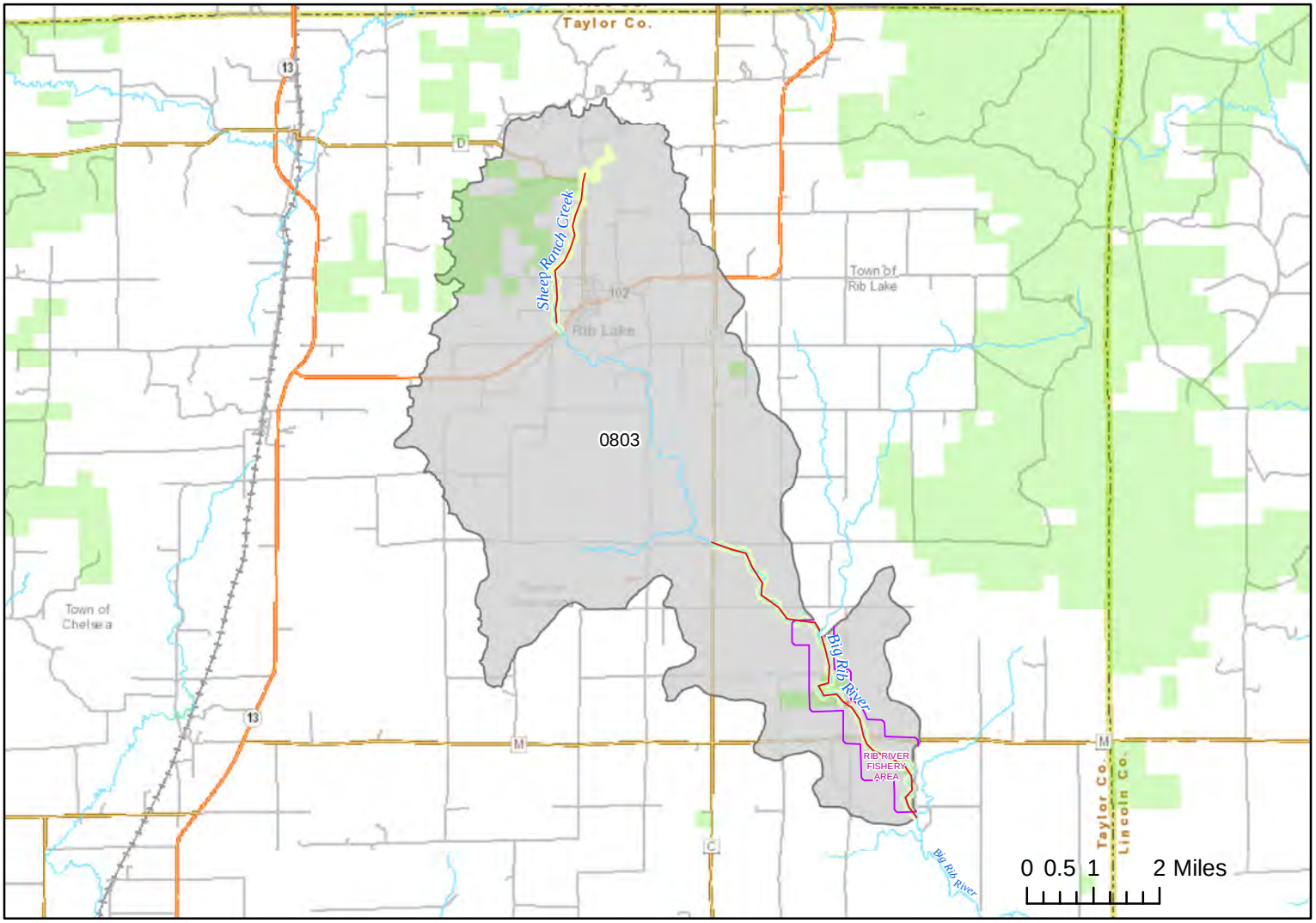
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 34

Big Rib River

Go Back to State Map

Environmental Resilience Score: 9



HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0803	000	113	2.9	6	20.8	99	6	11.6	15	2.7	6

Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

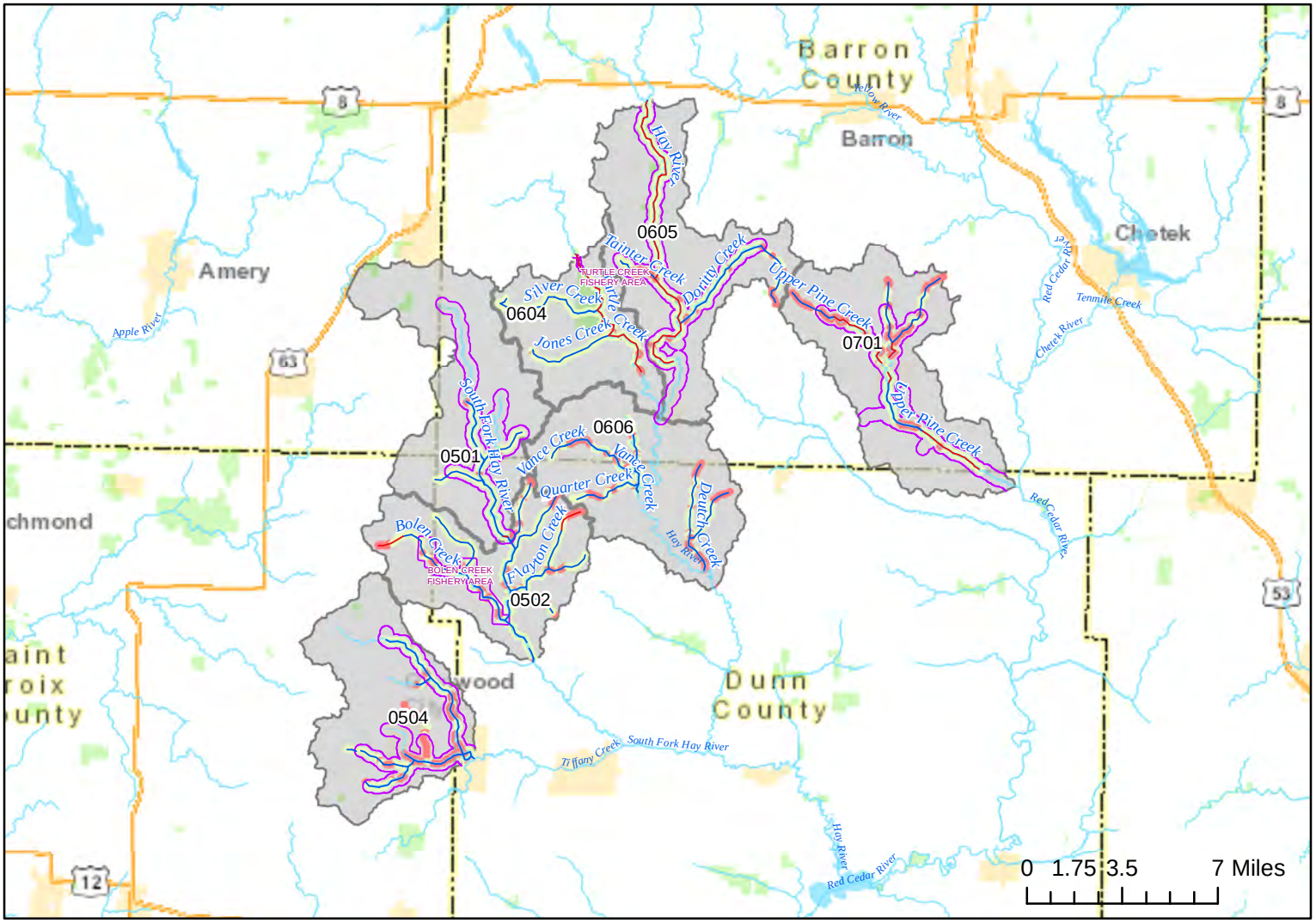
Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

BTR# 35

Red Cedar/Hay Headwaters

Environmental Resilience Score: 30



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0501	000	1651	6.6	13	17.8	95	1	13	19	9.5	7
0502	000	499	9.8	21	16.9	83	1	36.7	4	6.9	7
0504	000	1195	2.2	6	17.4	64	1	23.1	4	17.1	7
0604	114	106	2.6	8	19.3	96	8	17.4	20	0.3	6
0605	000	062	3.8	7	18.5	90	2	26.1	7	20.5	7
0606	000	1095	11	20	17.4	68	0	20.1	0	0	7
0701	048	1039	3.3	6	18.5	73	0	24.2	3	18.4	7

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

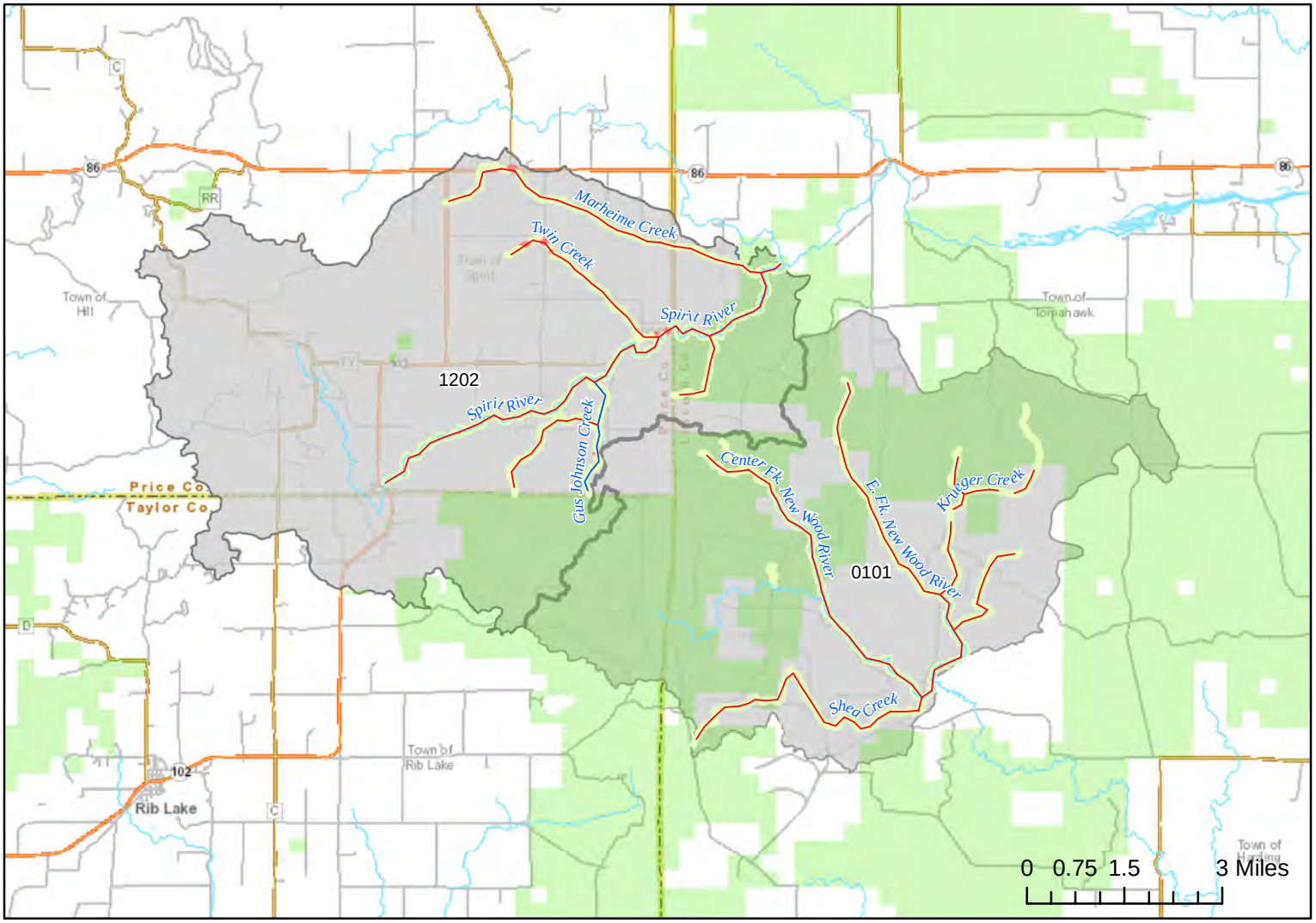
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 36

Price - Spirit River

Go Back to State Map

Environmental Resilience Score: 30



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
1202	000	063	30.3	54	20	98	16	28.1	20	0	2
0101	000	268	13.2	38	20.4	100	58	29.7	30	0.1	2

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

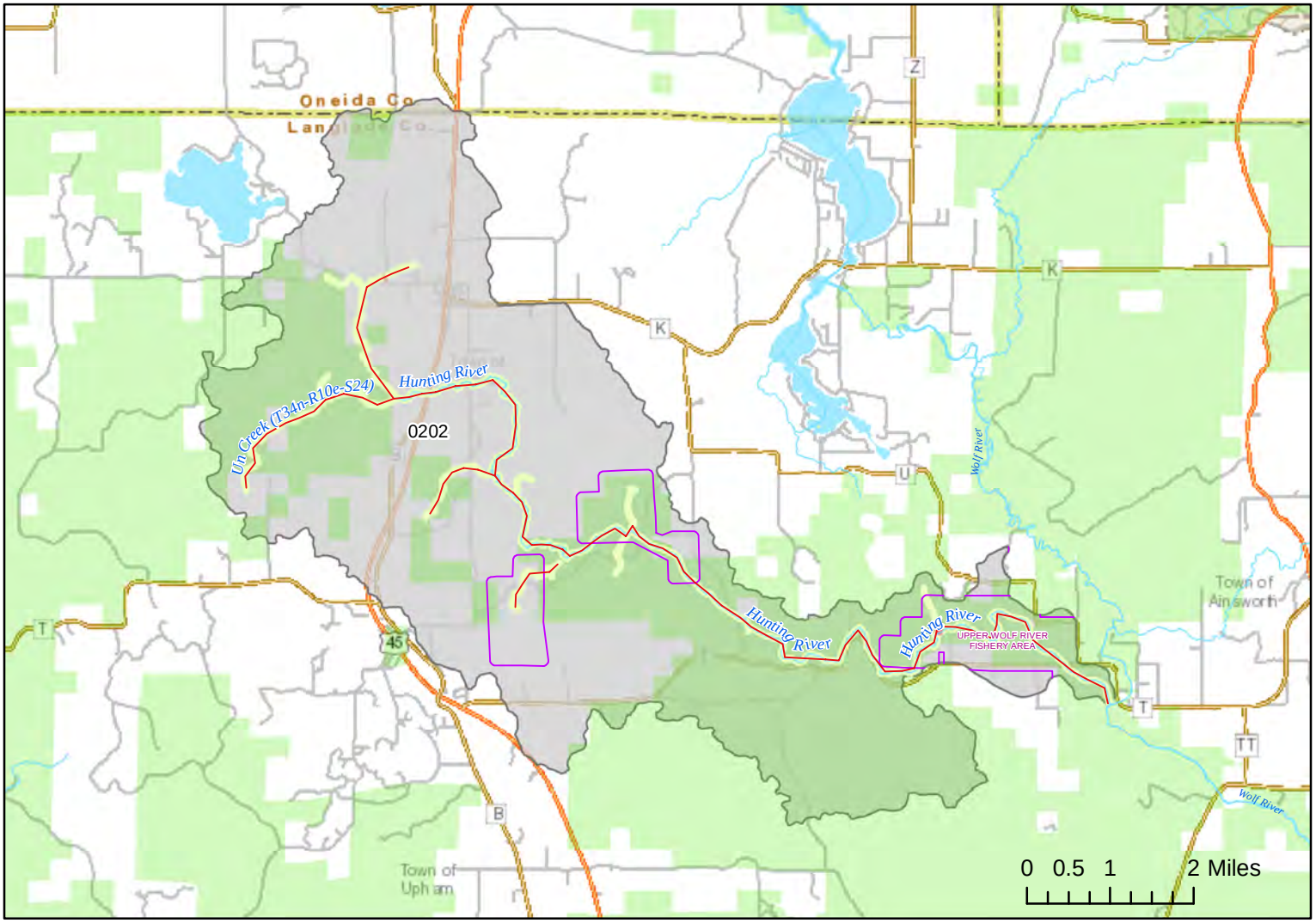
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 37

Hunting River

Go Back to State Map

Environmental Resilience Score: 7



HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0202	103	173	2.3	10	20.9	100	47	26.2	64	1.1	1

Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

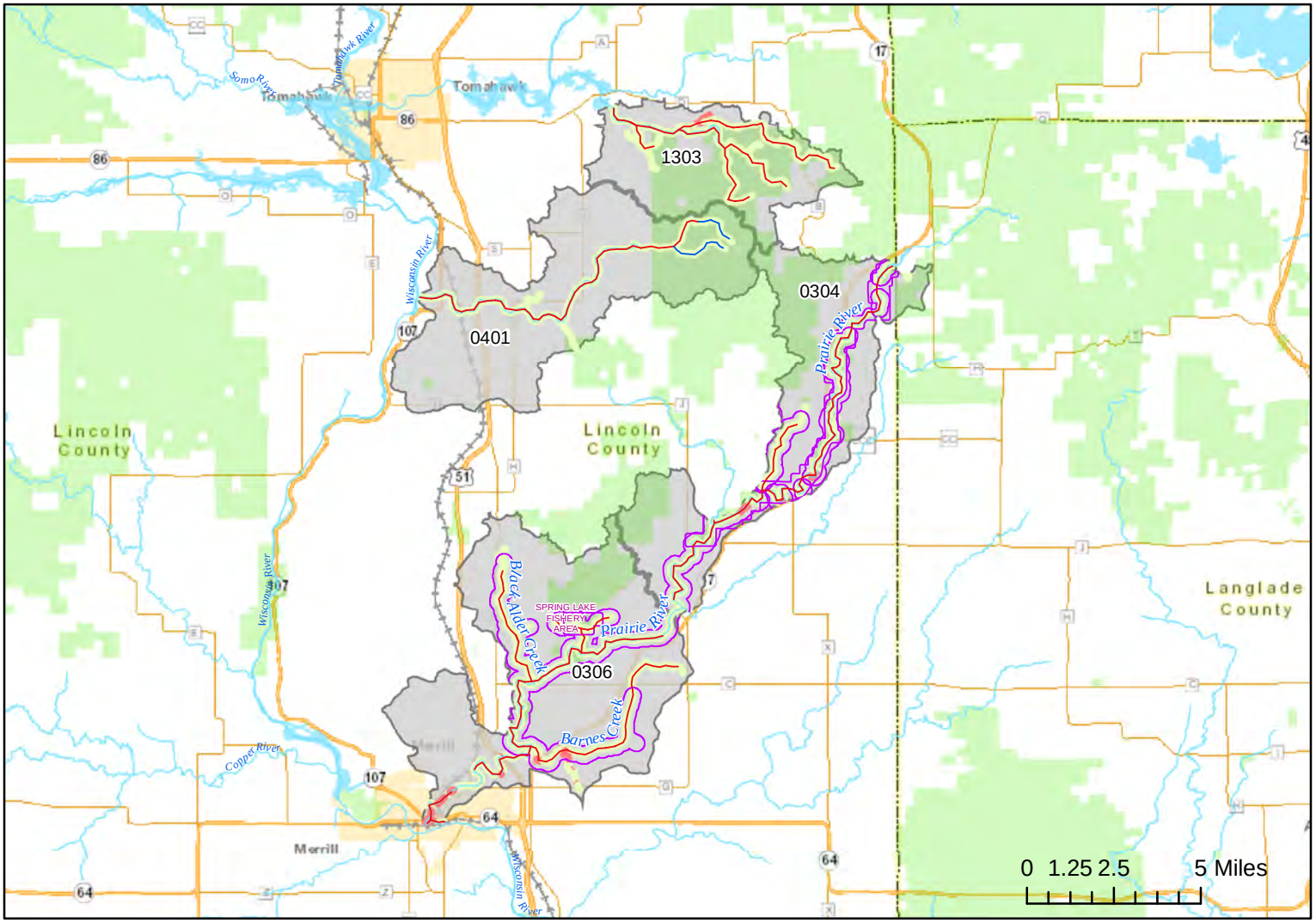
Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

BTR# 38

Go Back to State Map

Prairie River and Neighbors

Environmental Resilience Score: 10



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
1303	000	080	3.7	14	21.4	96	54	22.5	57	0	1
0304	212	339	0	0	21.5	98	32	23.8	40	6.9	2
0306	025	107	2.2	6	21	94	10	36	9	0	6
0401	000	354	9.5	39	20	100	22	18.6	30	0	2

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

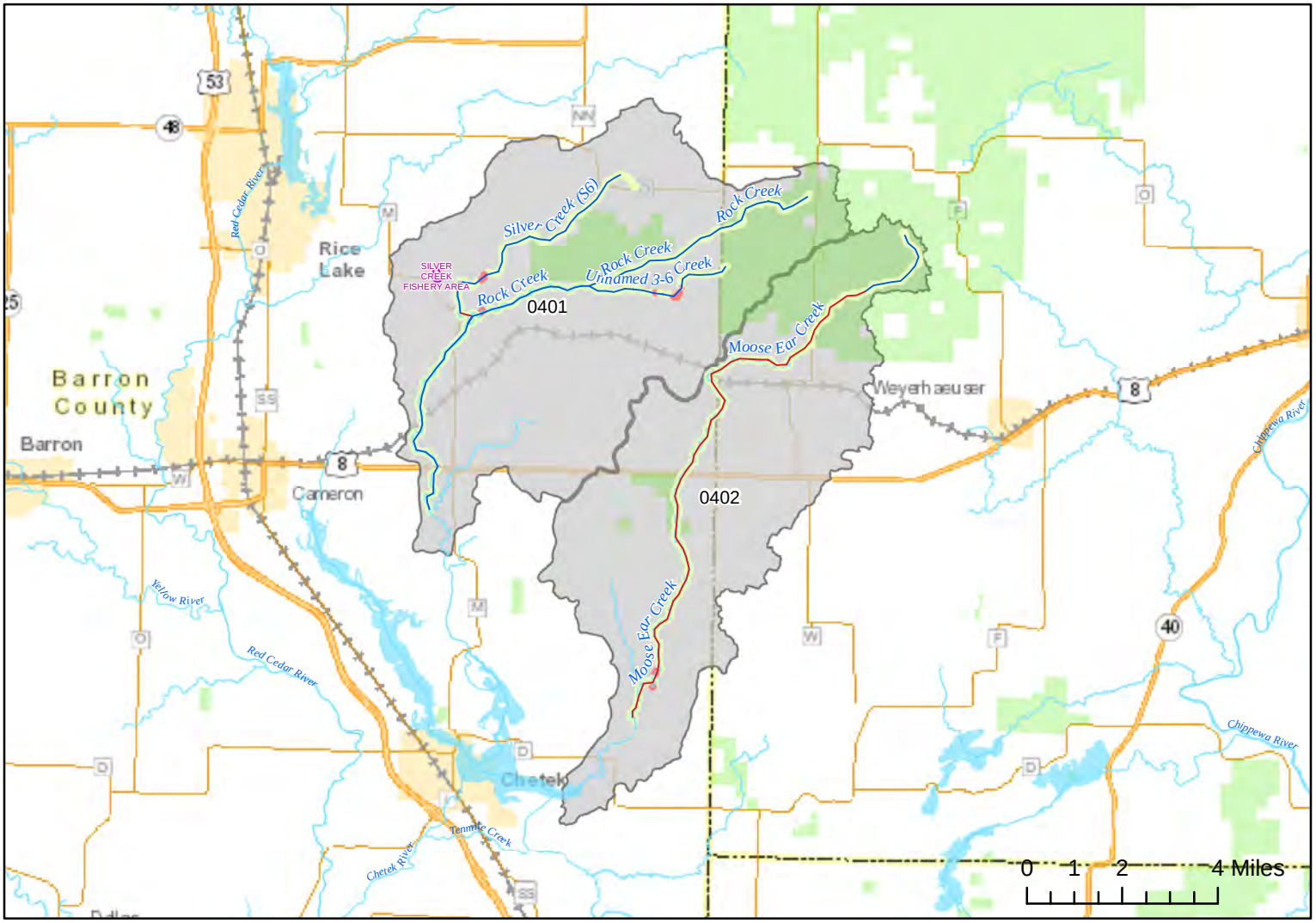
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 39

Blue Hills

Go Back to State Map

Environmental Resilience Score: 38



HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0401	000	200	38.1	68	18.3	97	16	27.2	12	0	5
0402	000	129	13.8	39	19.6	98	16	20	31	0	6

Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

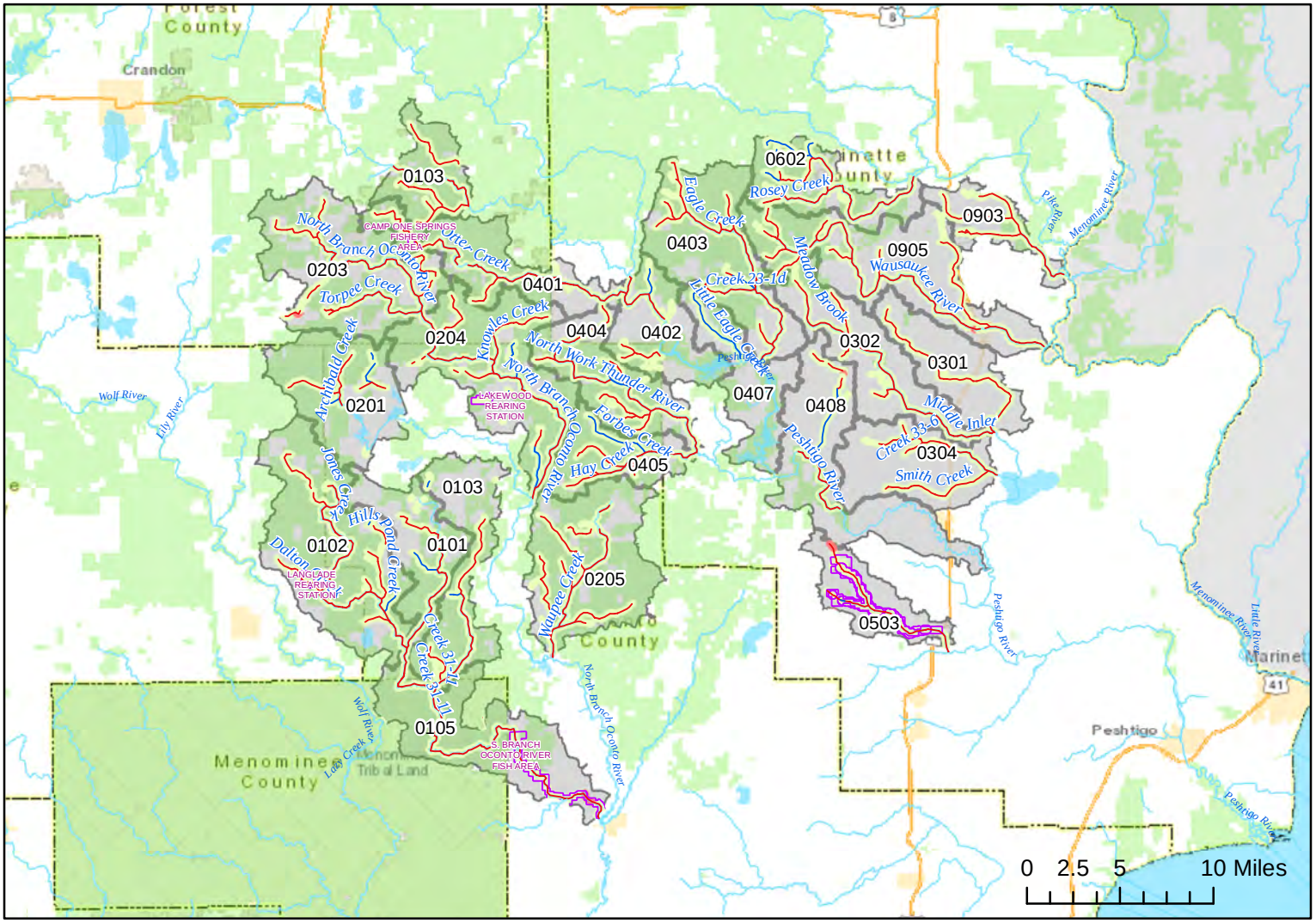
Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

BTR# 41

Peshtigo/Oconto Headwaters

Environmental Resilience Score: 24



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0101	000	130	10.1	63	19.9	100	59	16.1	79	0	1
0102	236	499	38.7	82	19.9	100	76	43	75	0	3
0103	000	472	15.4	60	20.3	100	74	20	89	0	1
0105	076	135	1.3	3	20.9	99	73	31	80	4.9	1
0201	000	145	16.2	85	19.2	100	65	15.5	76	0	3
0203	000	068	11	26	21	99	55	37.7	51	0	1
0204	000	069	14.4	30	20.2	100	73	45.9	78	0	1
0205	000	263	12.5	33	21	100	80	36.6	81	0	1
0103	000	272	4.6	23	20.9	100	94	20.2	94	0	1
0301	012	577	3.6	23	21.3	100	1	14.7	5	0	6
0302	018	233	6.6	25	20.8	100	10	28.1	8	0	6
0304	000	250	3.1	14	21.1	100	0	19.2	0	0	6
0401	000	089	10.7	31	20.6	100	71	26.1	61	1.1	1
0402	000	176	8.6	45	20.4	100	50	15.6	48	7.4	1
0403	000	109	15.4	33	20.6	100	74	36.7	60	5.7	1
0404	000	088	31.3	83	19.6	100	68	37	69	5.5	3
0405	000	241	18.7	71	19.9	100	80	22.1	79	0.9	1
0407	000	298	11.1	70	18.4	100	46	6	8	5.5	4
0408	000	000	11.3	28	20.7	98	14	15.1	10	5.5	2
0503	227	183	8.3	41	20.5	98	9	15.9	54	4.5	6
0602	000	121	9.9	34	20	100	63	31.3	62	0	1
0903	000	230	2.3	12	20.9	100	15	19.9	22	0	2
0905	031	563	15.6	30	20.6	99	28	50.4	31	0	2

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

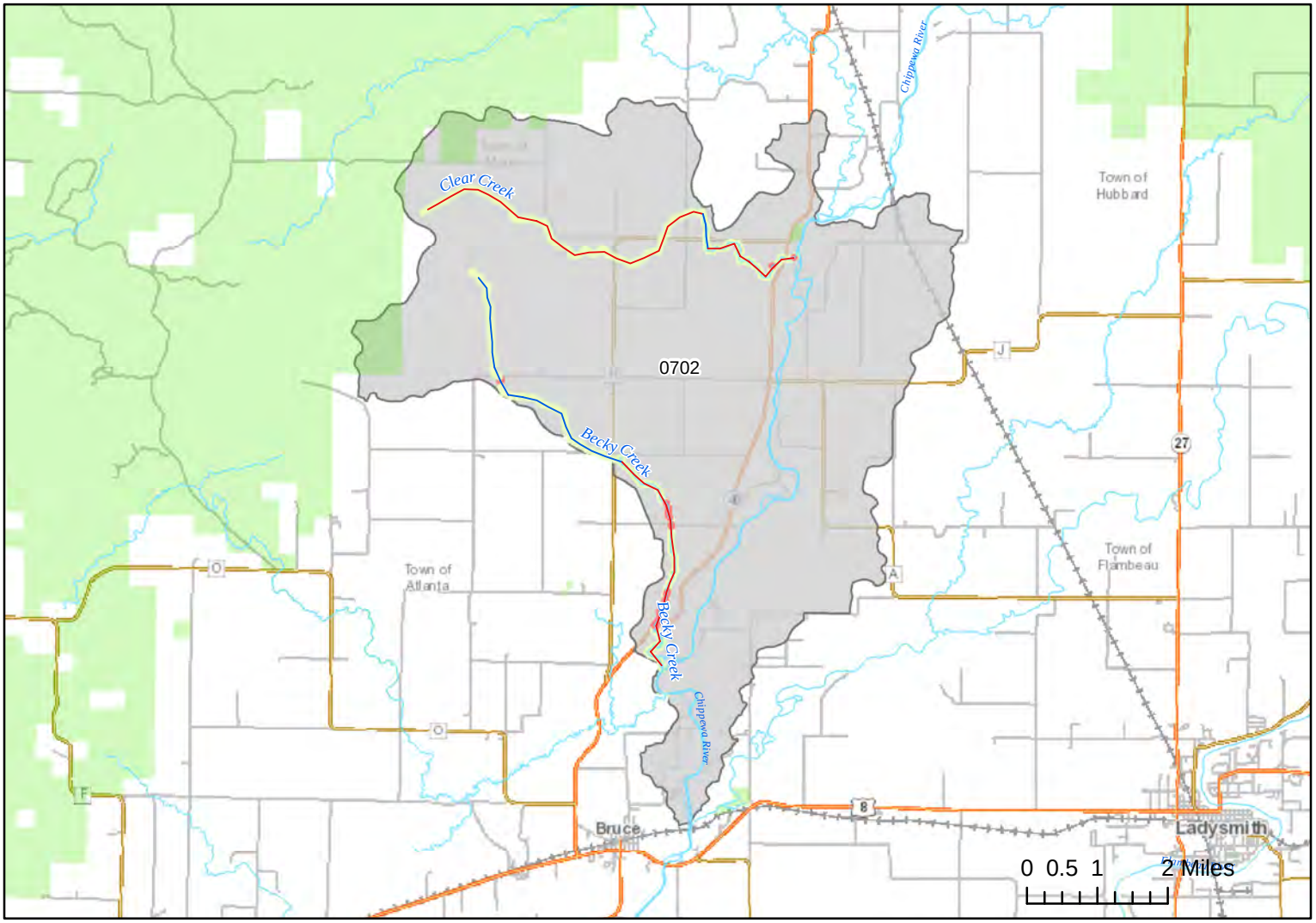
Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

BTR# 42

Rusk - Clear/Becky

Environmental Resilience Score: 34



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0702	000	215	20.8	52	19.7	94	3	16.9	0	0	2

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

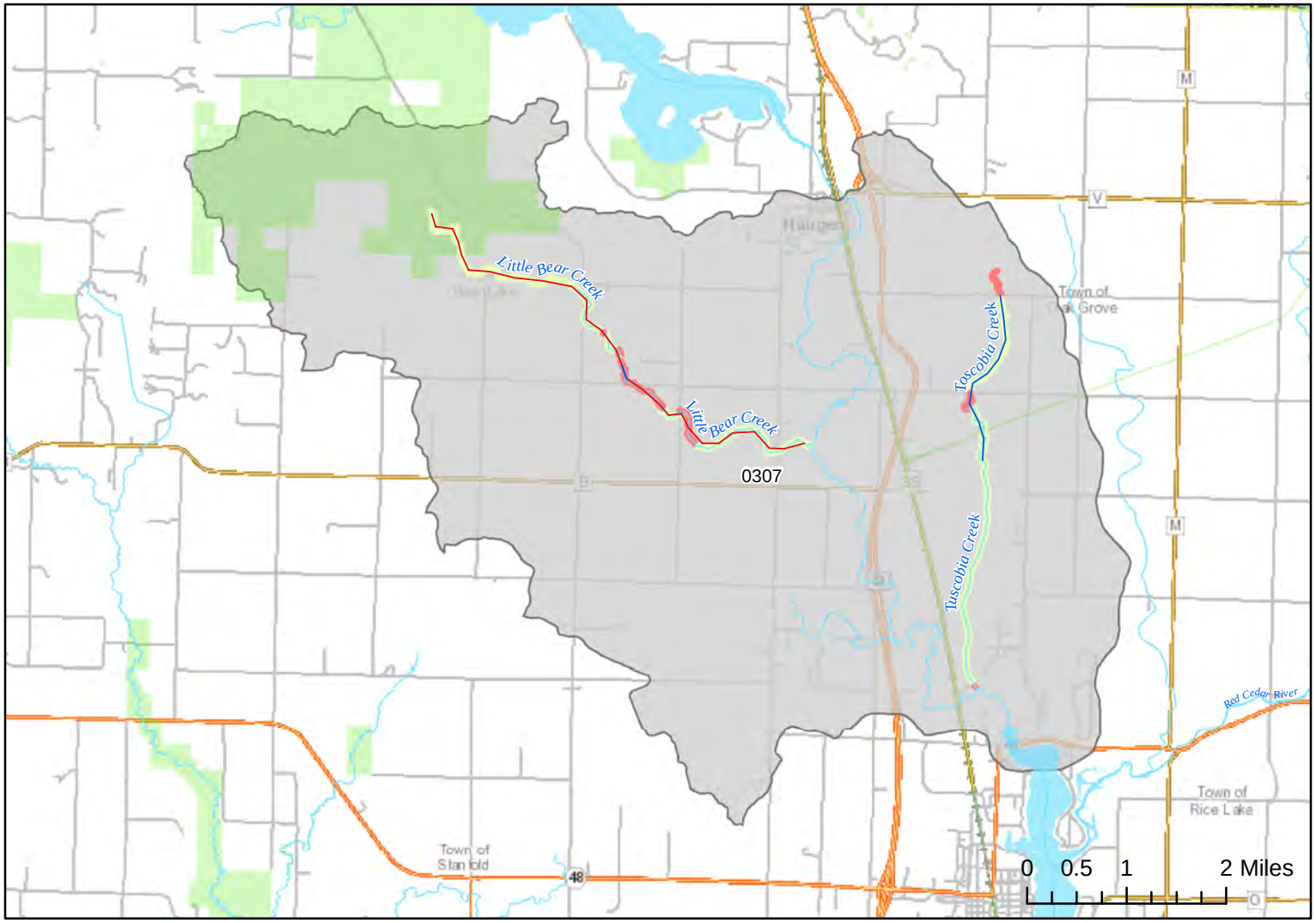
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 43

Go Back to State Map

Barron - Bear Creek Tribs

Environmental Resilience Score: 18



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0307	000	751	2.7	6	19.5	85	10	11.7	8	0	6

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

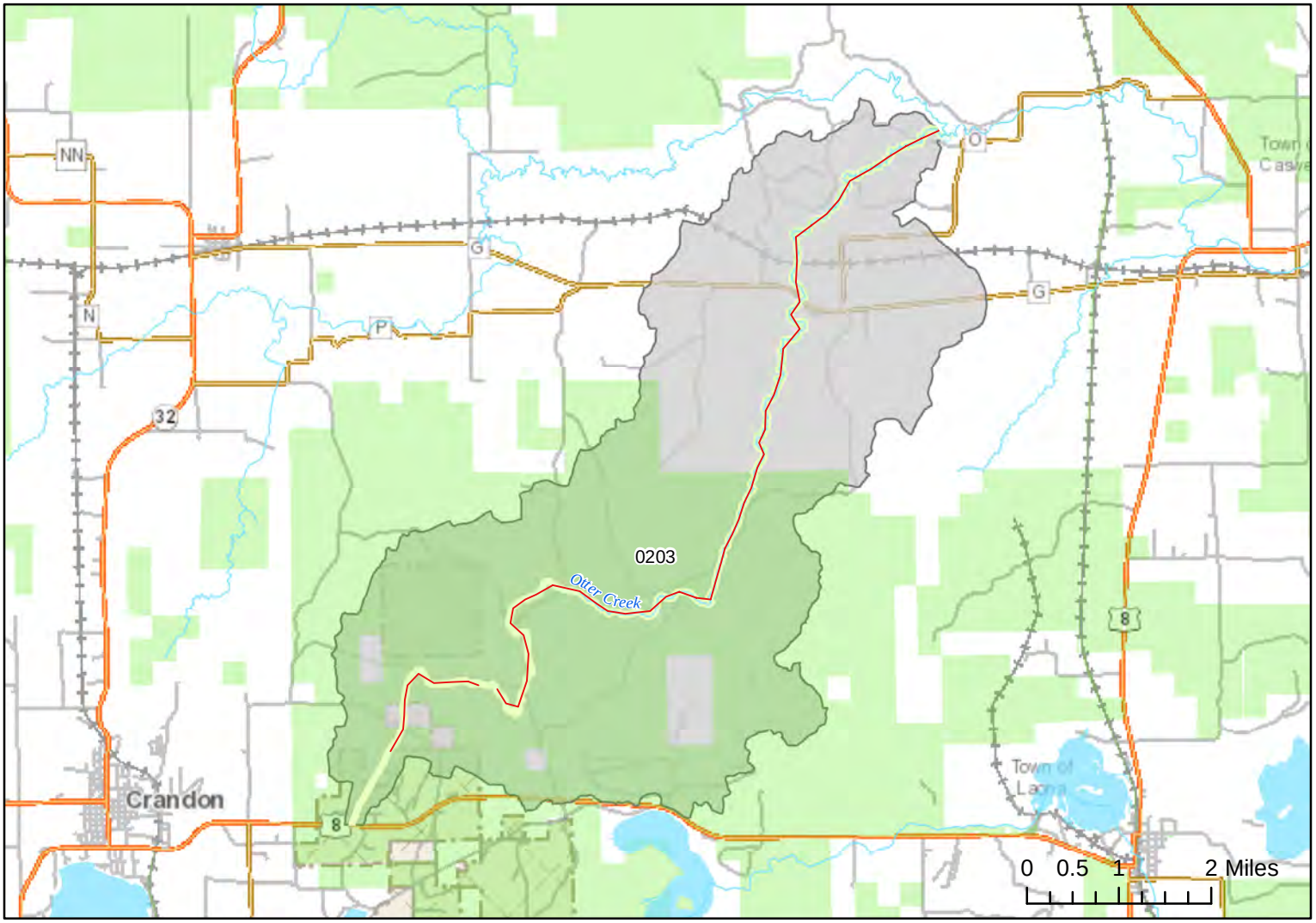
Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 45

Forest - Otter

Environmental Resilience Score: 18



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0203	000	1586	7.3	33	20.4	100	58	16.2	56	0	1

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 47

Trade River and Tribs

Go Back to State Map

Environmental Resilience Score: 25

Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0501	000	246	10.7	33	20	93	2	17.4	5	0.8	6

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

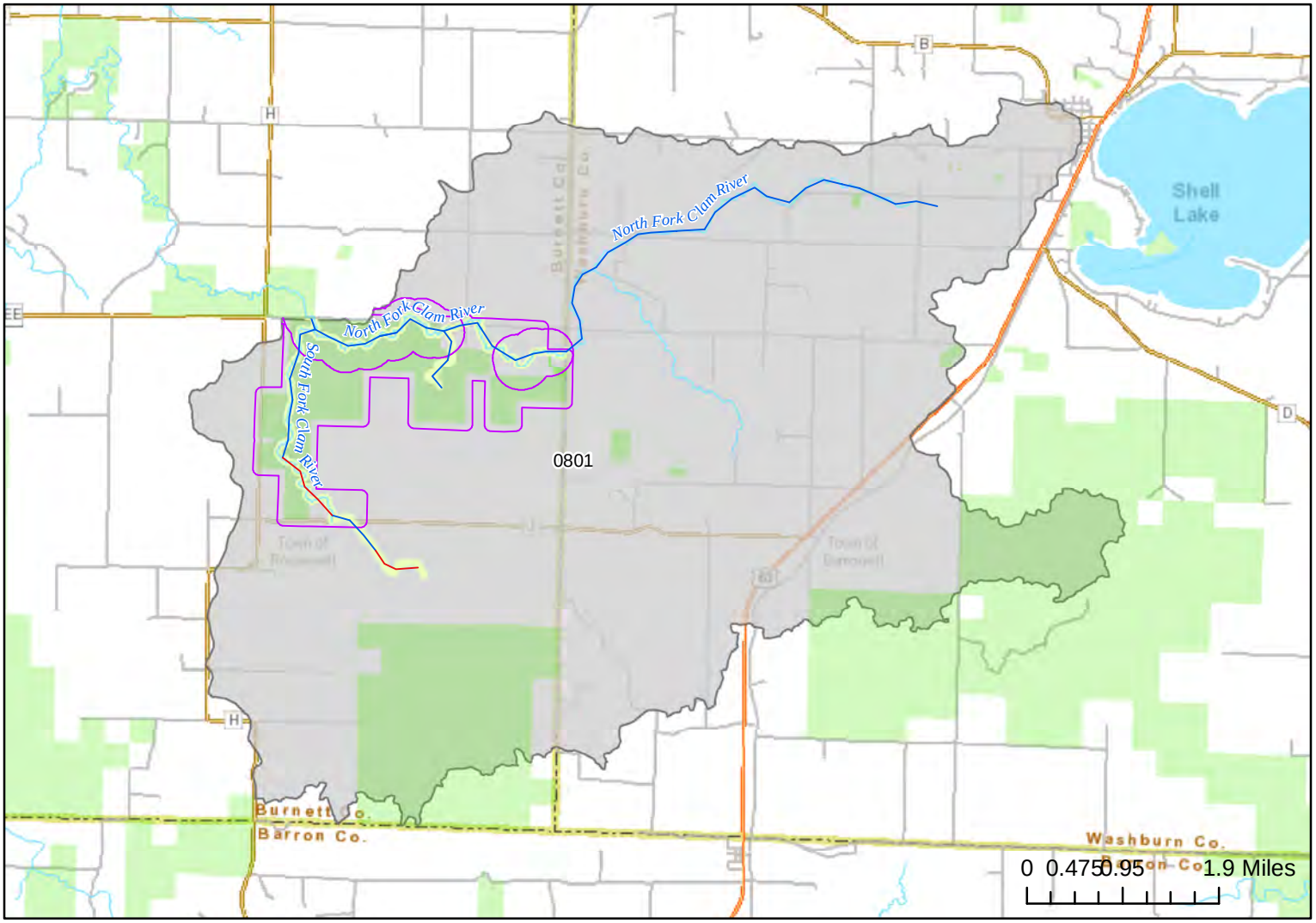
Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 50

Clam River Headwaters

Environmental Resilience Score: 42



HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0801	241	511	22.3	45	18.1	99	17	9.8	57	2.3	4

Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

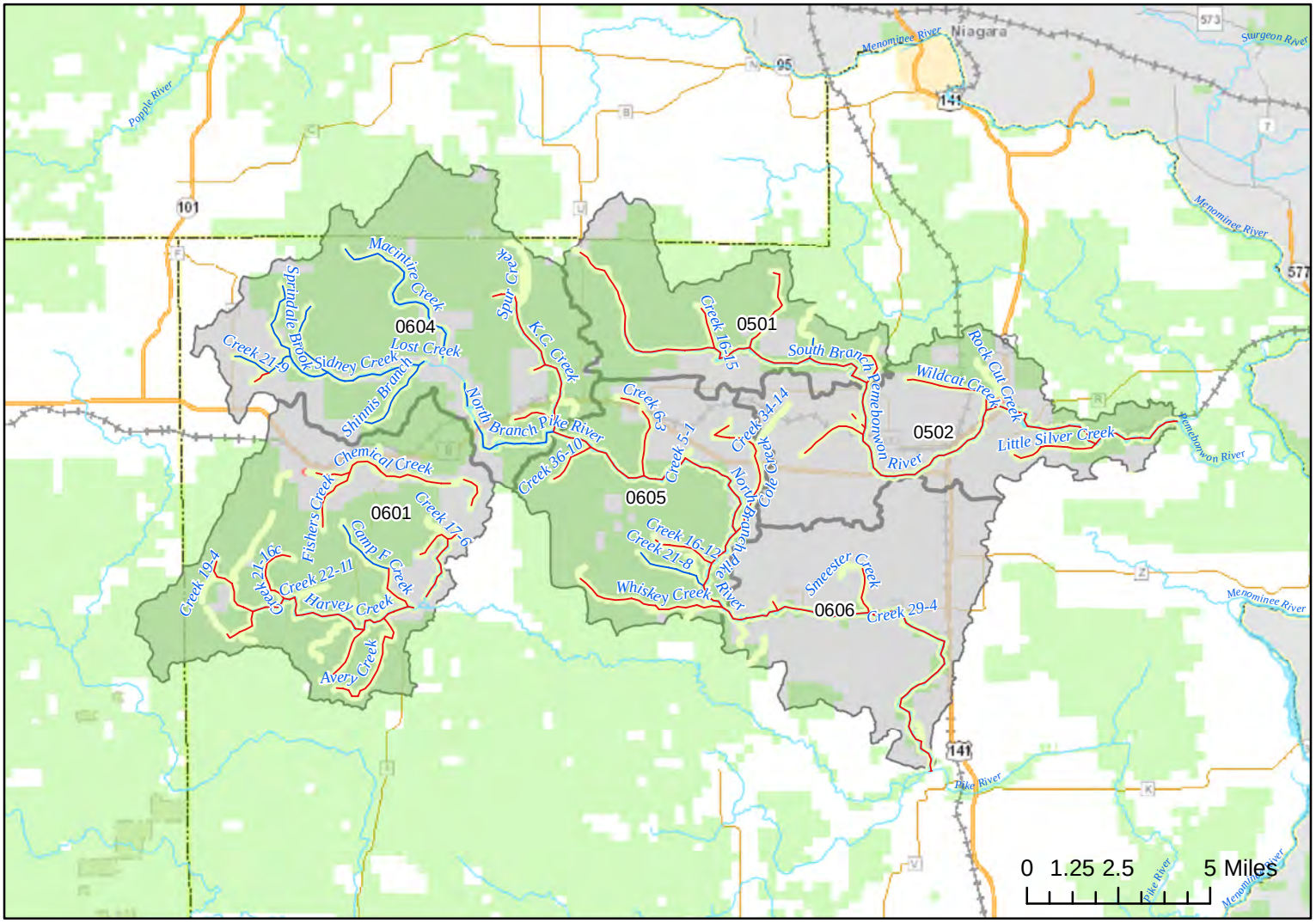
Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

BTR# 51

Pemebonwon Pike

Go Back to State Map

Environmental Resilience Score: 27



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0501	000	157	4.2	17	20.9	100	78	22.2	86	0	1
0502	000	590	5	20	21	99	21	29.2	29	0	2
0601	000	260	13.1	37	20.5	100	73	49.6	66	3.3	1
0604	083	325	38.1	88	18.5	99	74	39.3	64	2.7	3
0605	008	082	26.4	67	20	100	71	33.6	69	2.6	3
0606	000	112	8.4	44	20.8	100	11	20.6	54	5.6	2

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

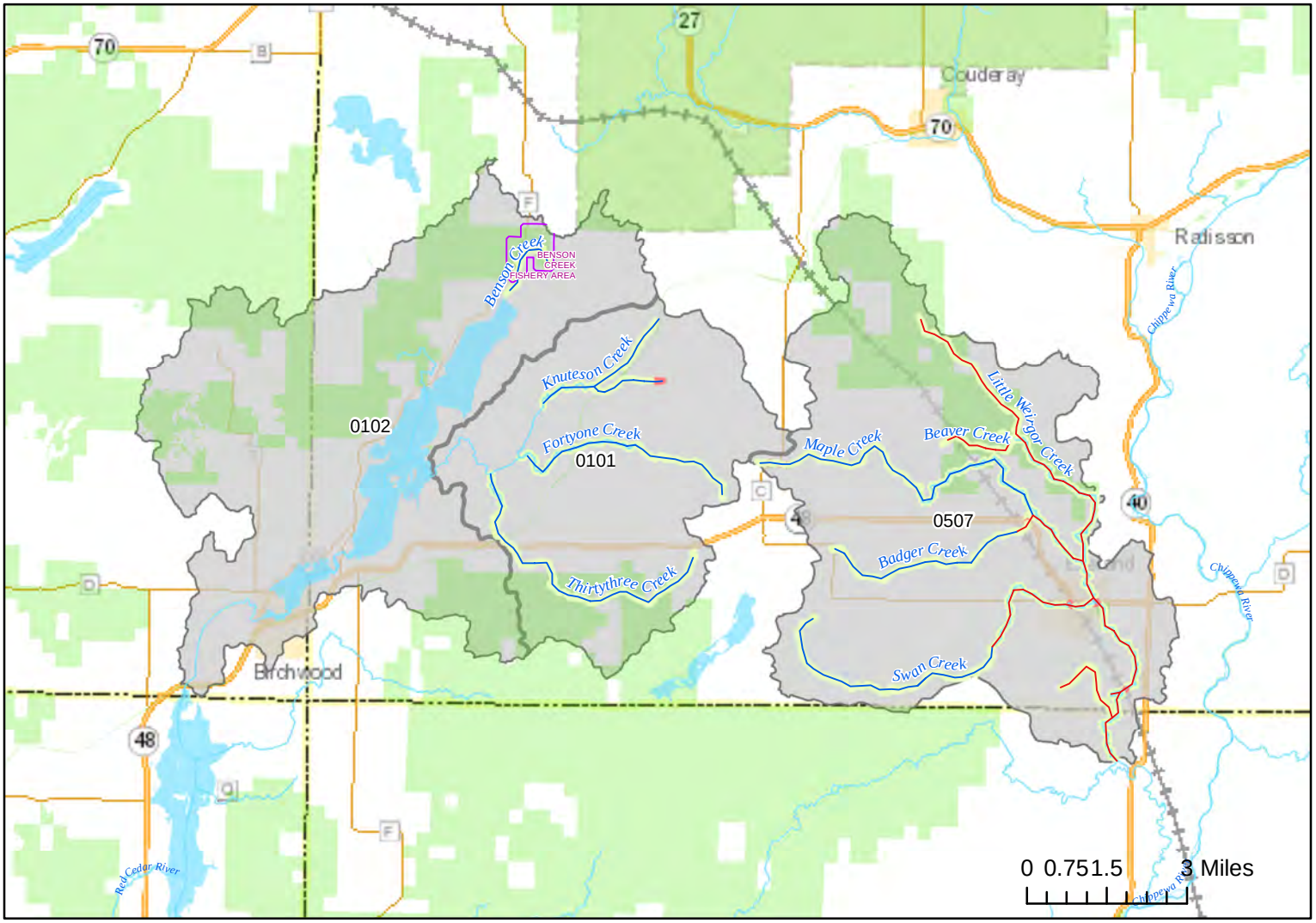
Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 53

Weigor/Knuteson Headwaters

Environmental Resilience Score: 42



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0507	000	083	35	66	18.3	98	18	44.4	27	0.7	3
0101	000	732	43.3	100	17.1	99	13	18.6	16	0	3
0102	000	1191	8.8	62	19.7	100	29	2	72	0	1

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

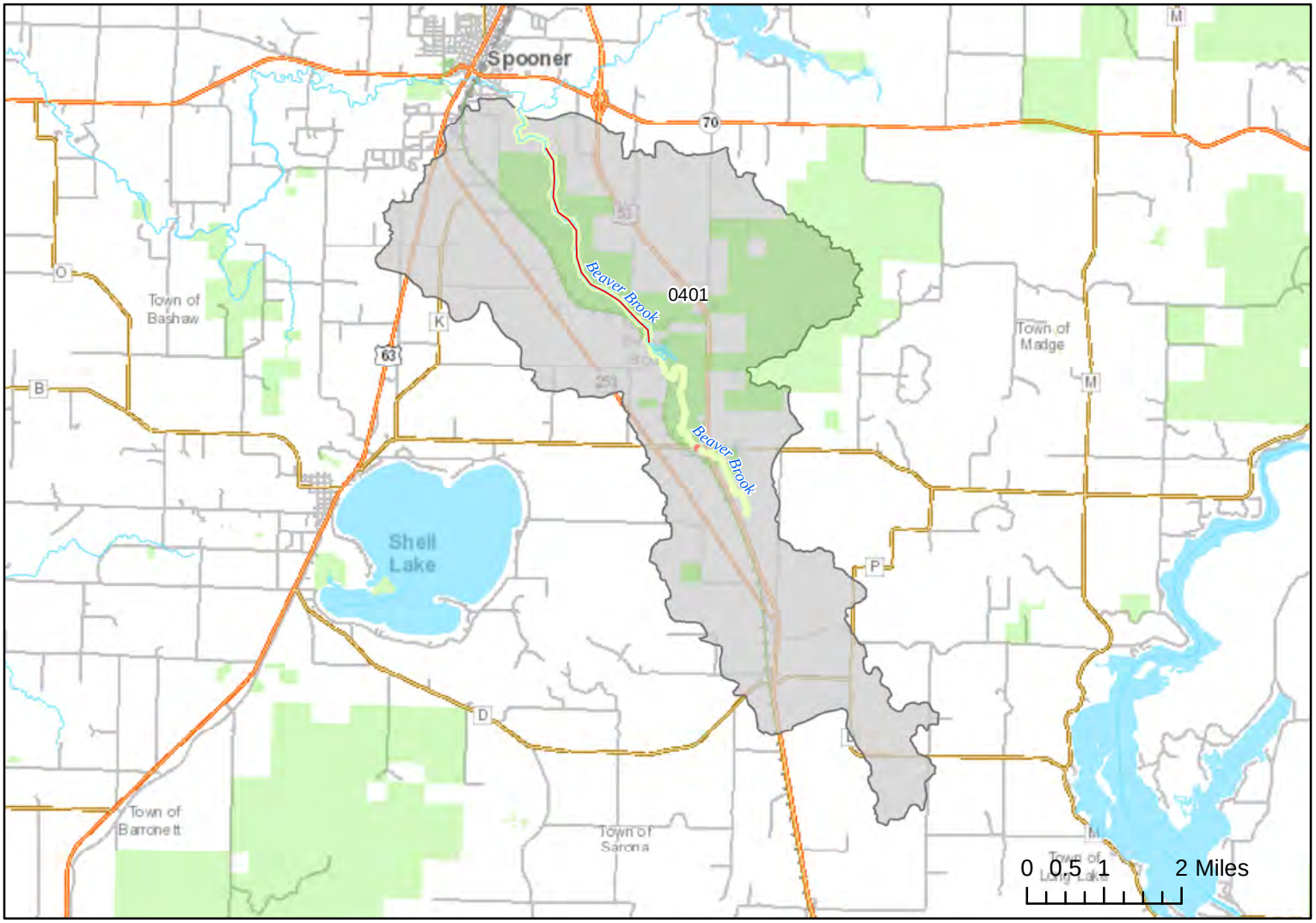
Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 54

Beaver Brook

Environmental Resilience Score: 11



HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0401	005	016	0	0	20.2	98	25	7.8	72	1.4	6

Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

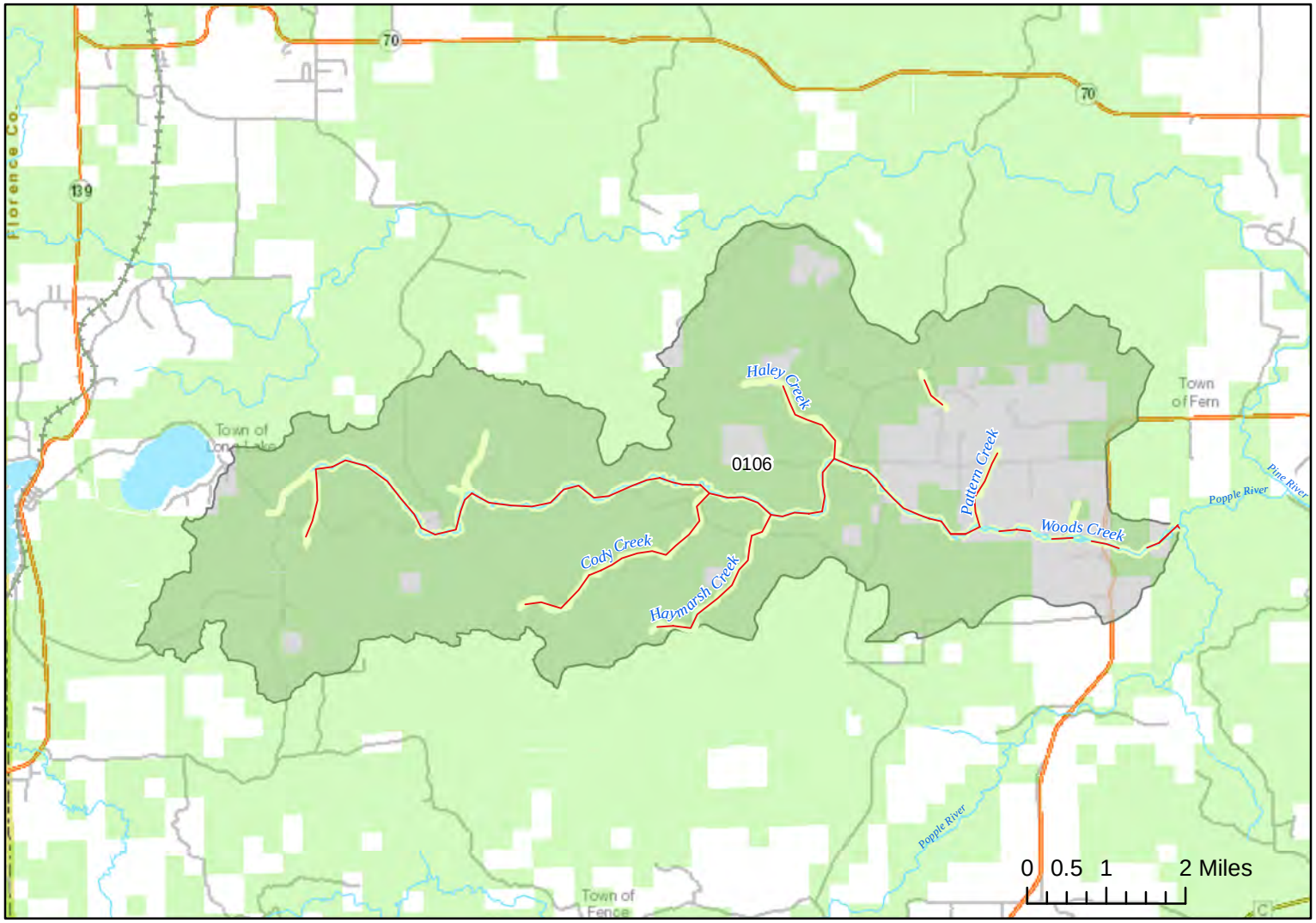
Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

BTR# 56

Florence - Woods Creek

Environmental Resilience Score: 4



HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0106	000	777	1.6	6	21.2	100	83	29.6	82	0	1

Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

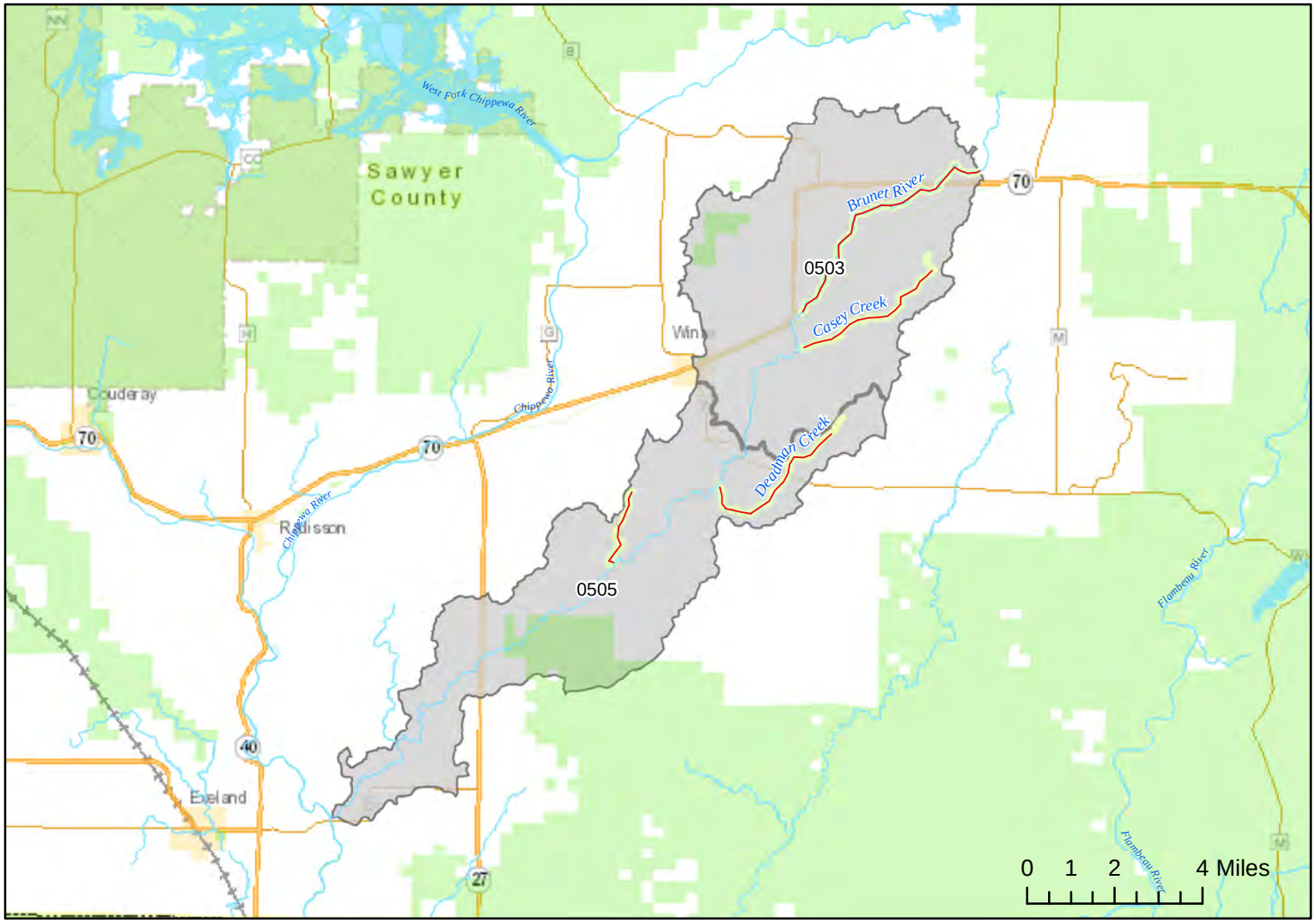
Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

BTR# 57

Sawyer - Brunet River

Go Back to State Map

Environmental Resilience
Score: 20



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0503	000	096	7.9	33	20.6	100	3	12.5	0	0	2
0505	N/A	N/A	15.8	39	20.8	99	11	7.1	0	0	2

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

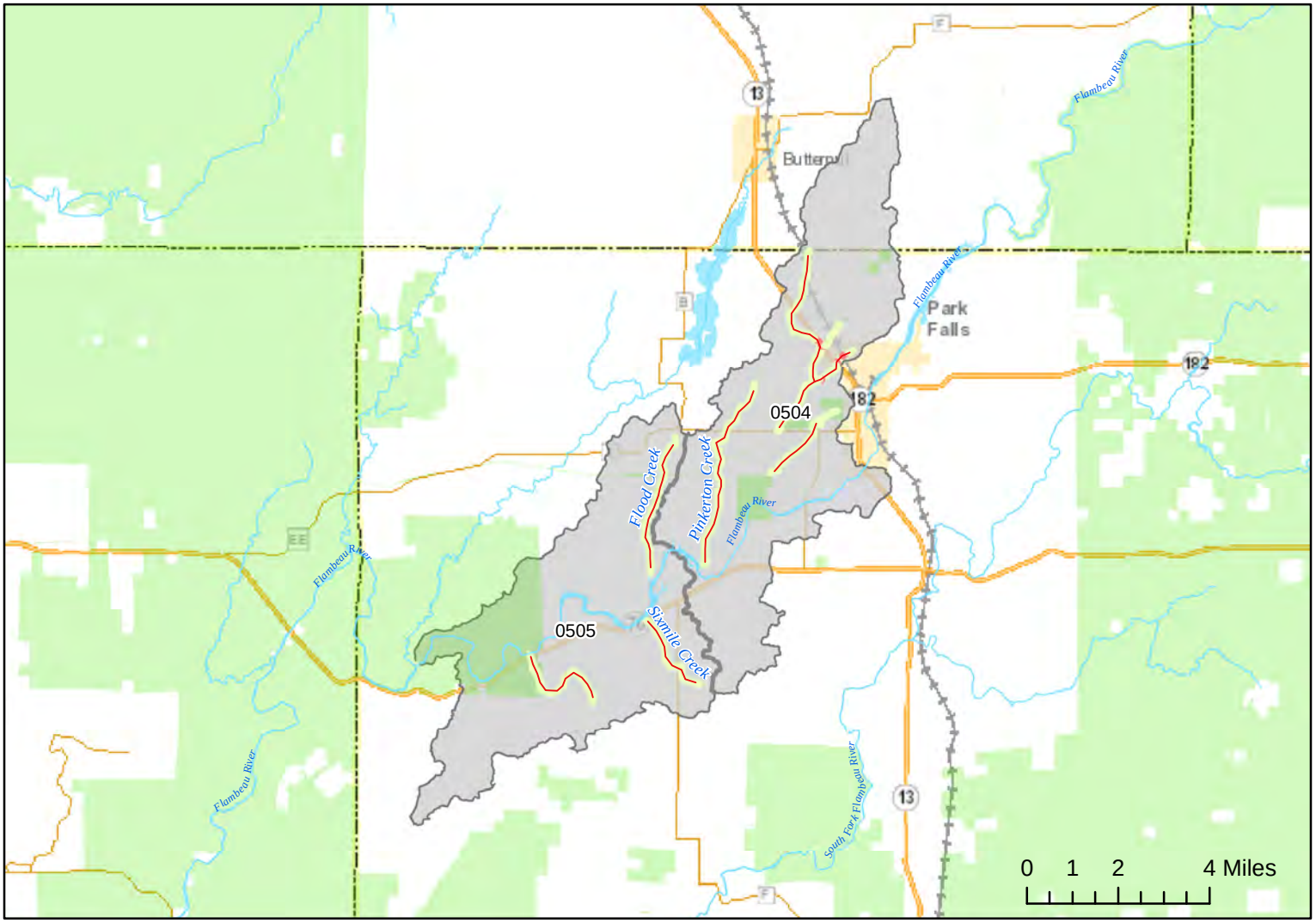
Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 59

Flambeau River Tribs

Environmental Resilience Score: 1



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0504	000	482	0	0	21.7	98	4	15.9	3	2.4	2
0505	000	000	0	0	22	100	17	8.8	11	6.6	2

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

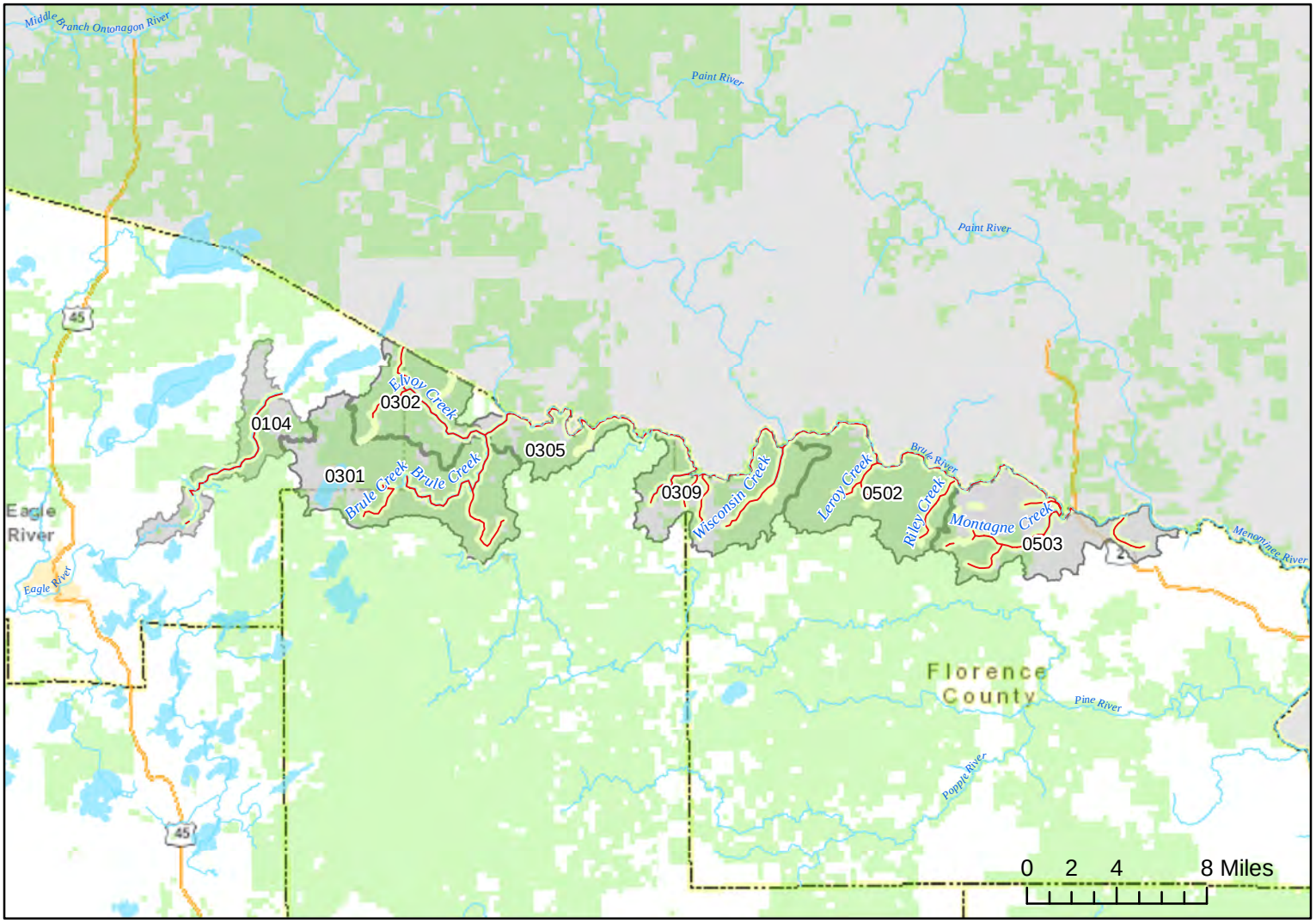
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 60

Go Back to State Map

Michigan Boundary Waters

Environmental Resilience Score: 15



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0301	002	297	2.5	12	21.7	100	78	19.7	89	0	1
0302	177	560	6.6	48	20	100	87	15.4	79	0	1
0305	356	675	6.9	38	20.2	99	73	10.6	40	0	1
0309	N/A	N/A	4.5	16	20.6	100	75	21.8	73	0	1
0502	N/A	N/A	10.4	39	20	100	95	15.8	75	0	1
0503	000	064	7.3	18	20.9	100	24	19.8	29	0	2
0104	000	679	1.4	10	22.5	100	49	12.3	76	0	1

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

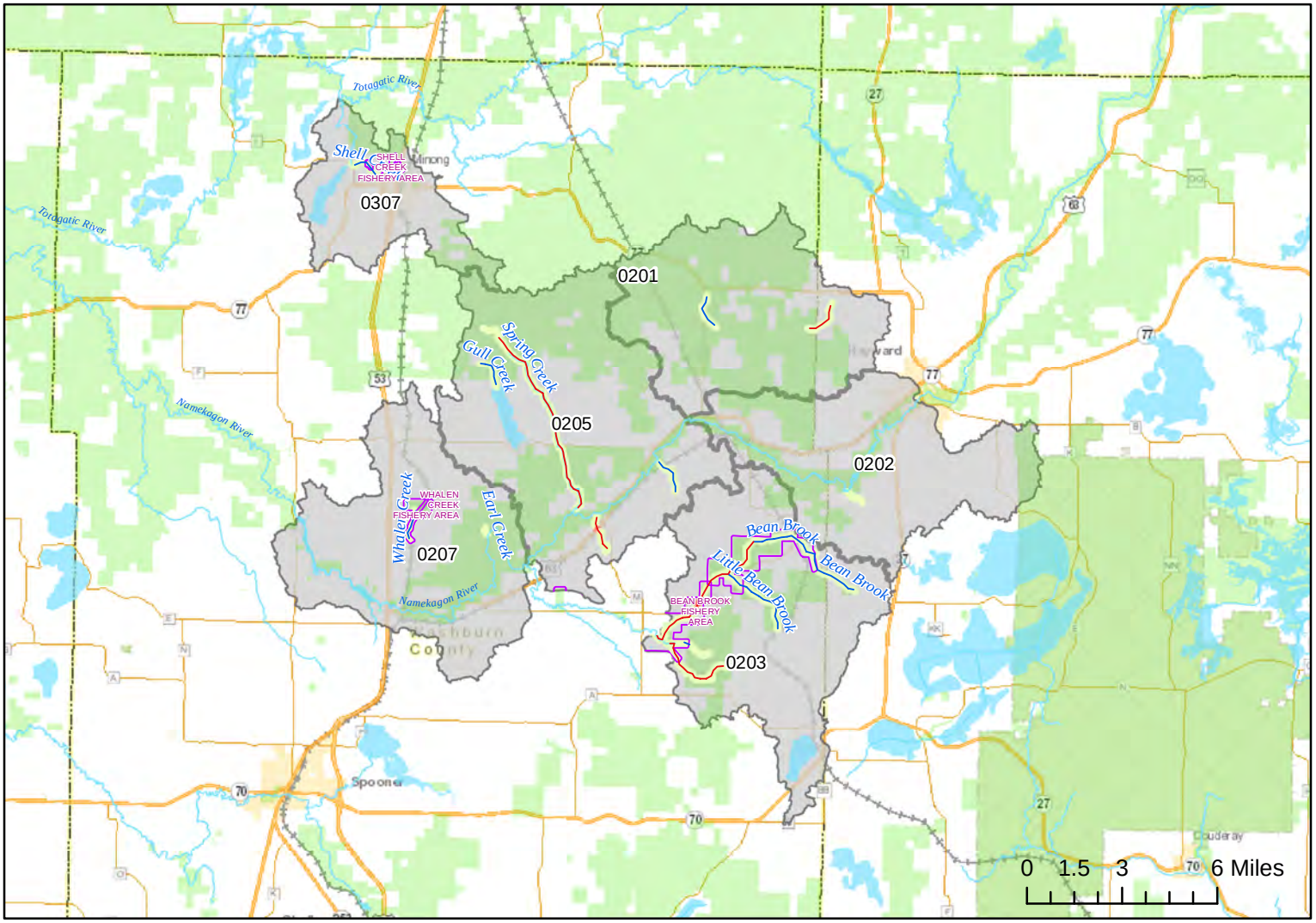
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 61

Go Back to State Map

Namekagon National Scenic Tribs

Environmental Resilience Score: 24



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0201	000	468	9.6	48	20.7	100	70	2.9	60	0	1
0202	007	106	4	14	20.2	100	27	0.8	9	0	6
0203	000	166	11.3	55	20	100	21	18.8	72	3.8	6
0205	000	241	12.4	31	20.4	98	45	13	40	0	2
0207	N/A	N/A	4.6	28	19.8	100	22	1.5	99	0	1
0307	N/A	N/A	5.3	67	18.8	100	19	1.4	18	0	2

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

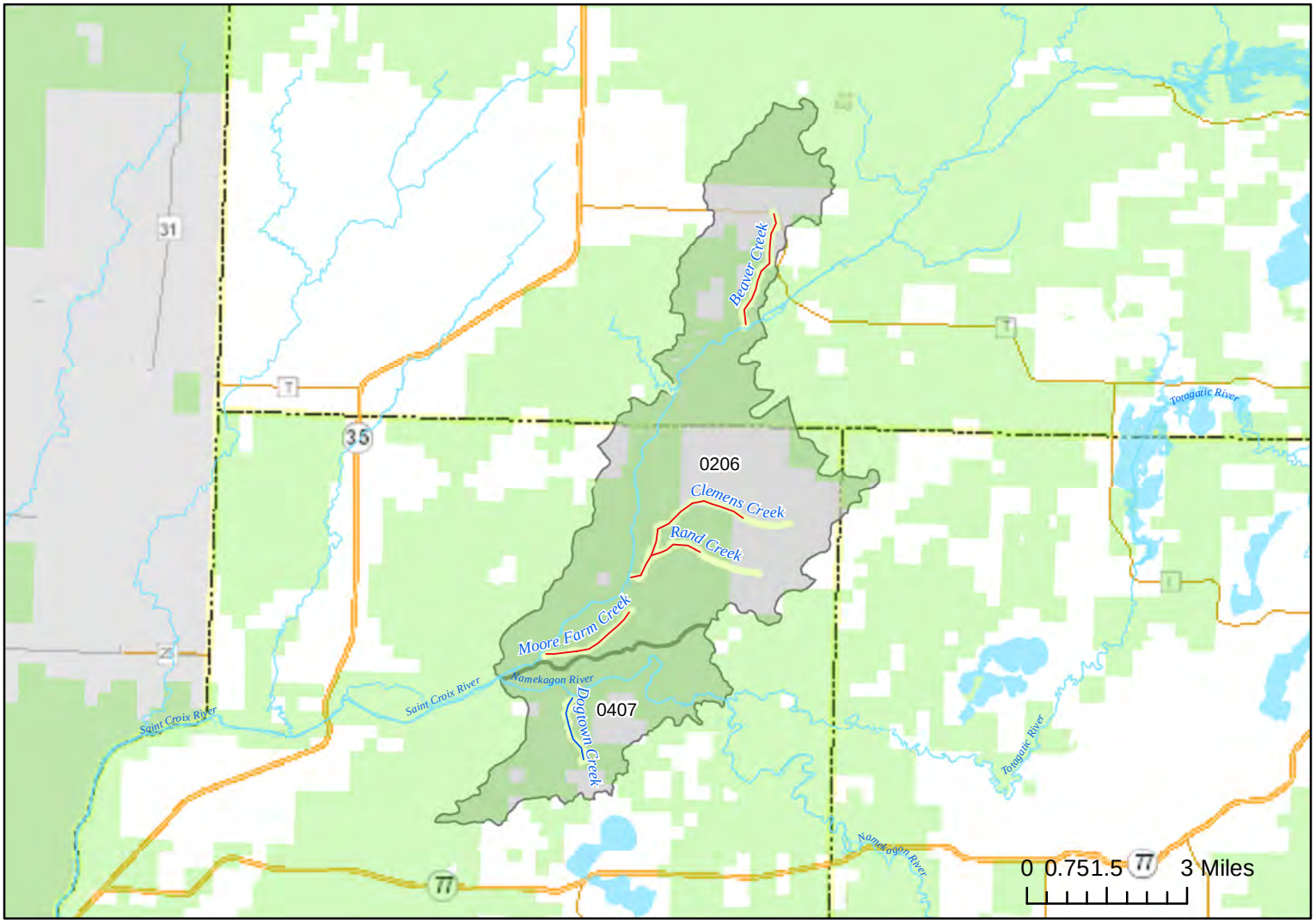
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 62

Go Back to State Map

Burnett - St. Croix Tribs

Environmental Resilience Score: 14



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0206	000	113	5.7	27	20.4	100	68	11.5	67	2.5	1
0407	000	193	2	24	20.8	100	85	1.6	100	0	1

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

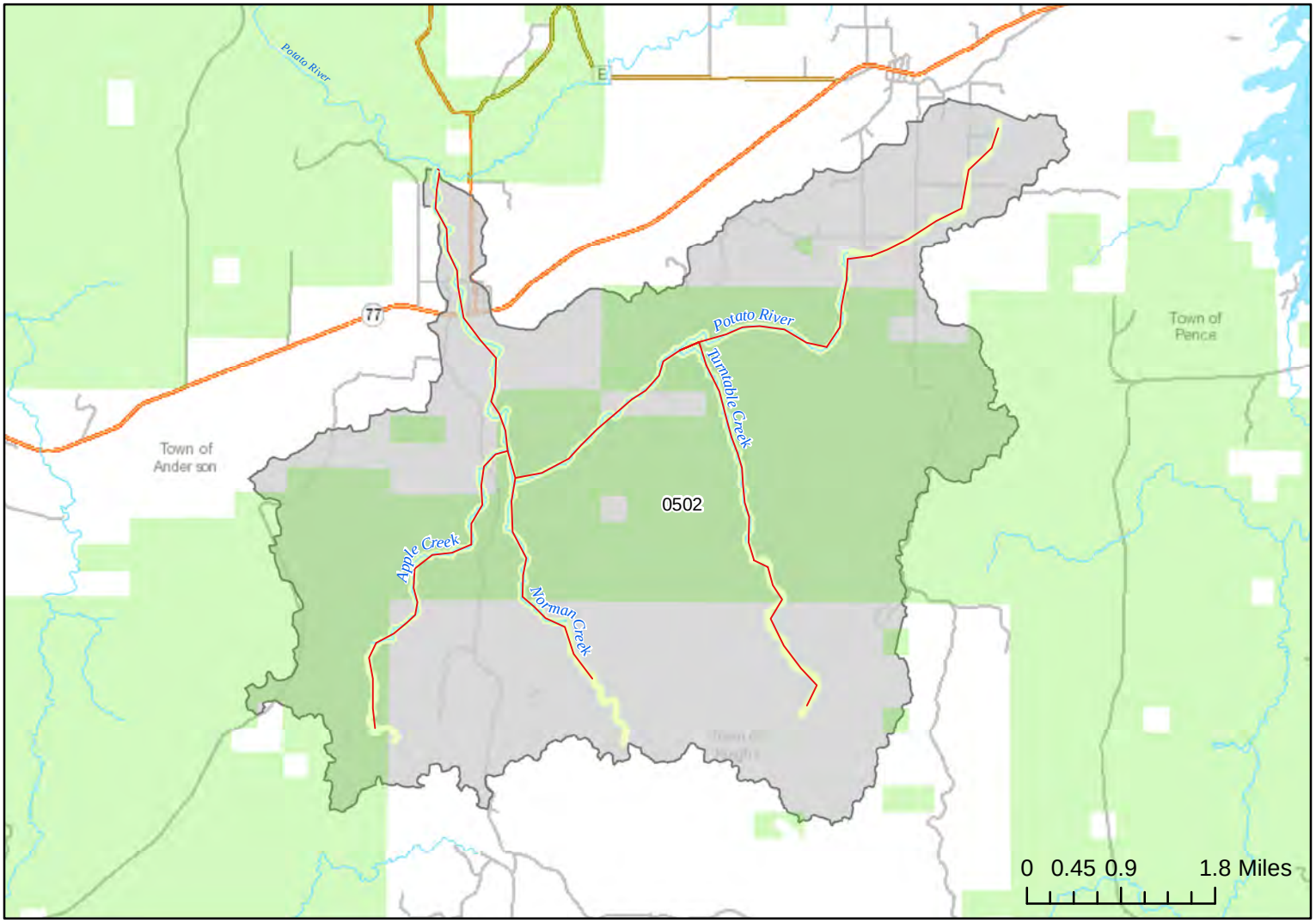
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 63

Potato Headwaters

Go Back to State Map

Environmental Resilience Score: 12



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0502	000	048	5.8	17	20.8	100	51	24.3	54	0	1

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

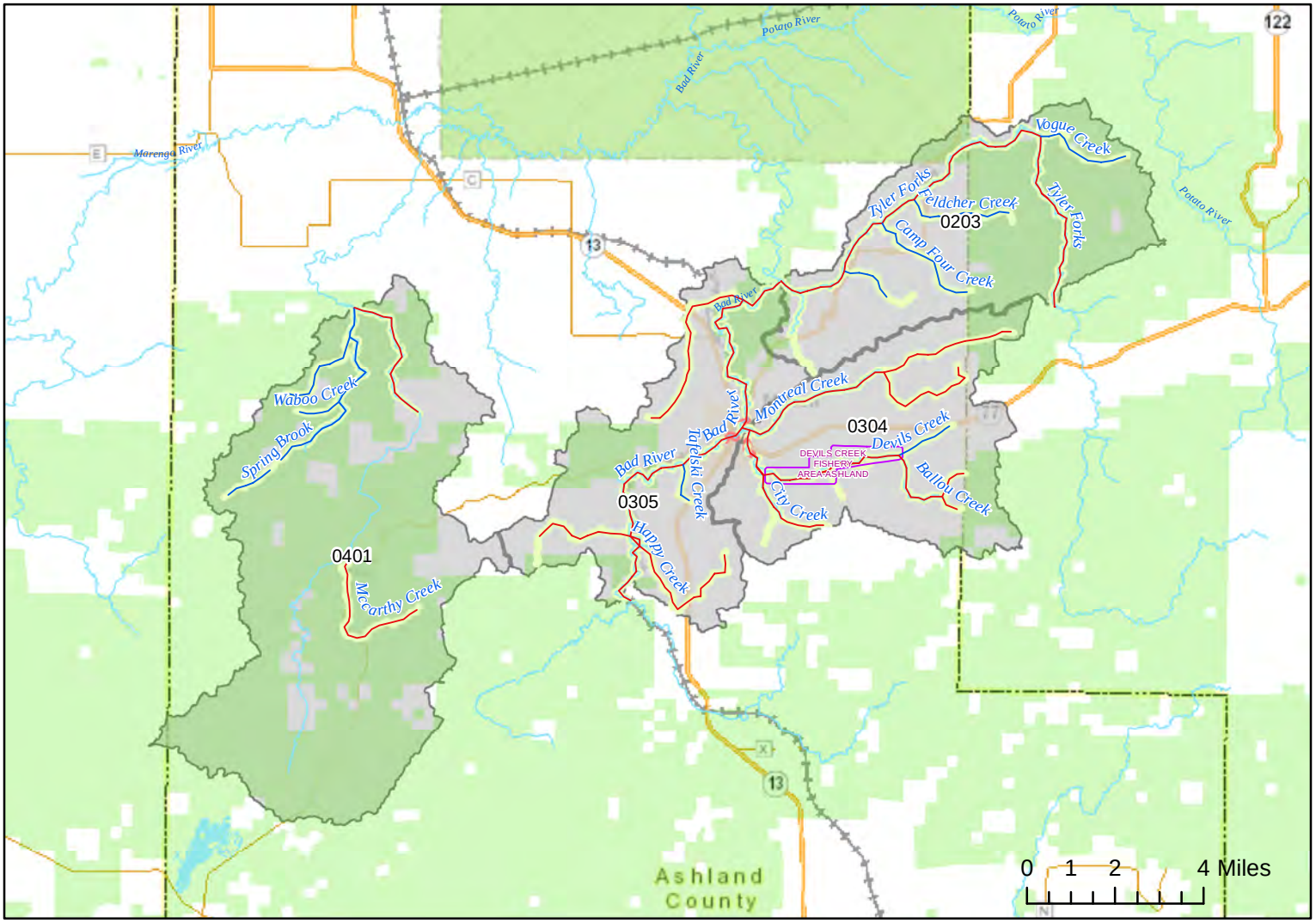
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 64

Go Back to State Map

Brunsweiler/Bad River

Environmental Resilience Score: 28



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0203	000	095	13.9	44	18.6	100	54	30.2	40	0	1
0304	000	245	13.3	47	20.7	98	12	27.8	6	3.8	2
0305	000	133	10.5	27	20.8	98	24	31.6	24	0	2
0401	000	467	20.7	49	19.7	100	83	19.9	93	0	1

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

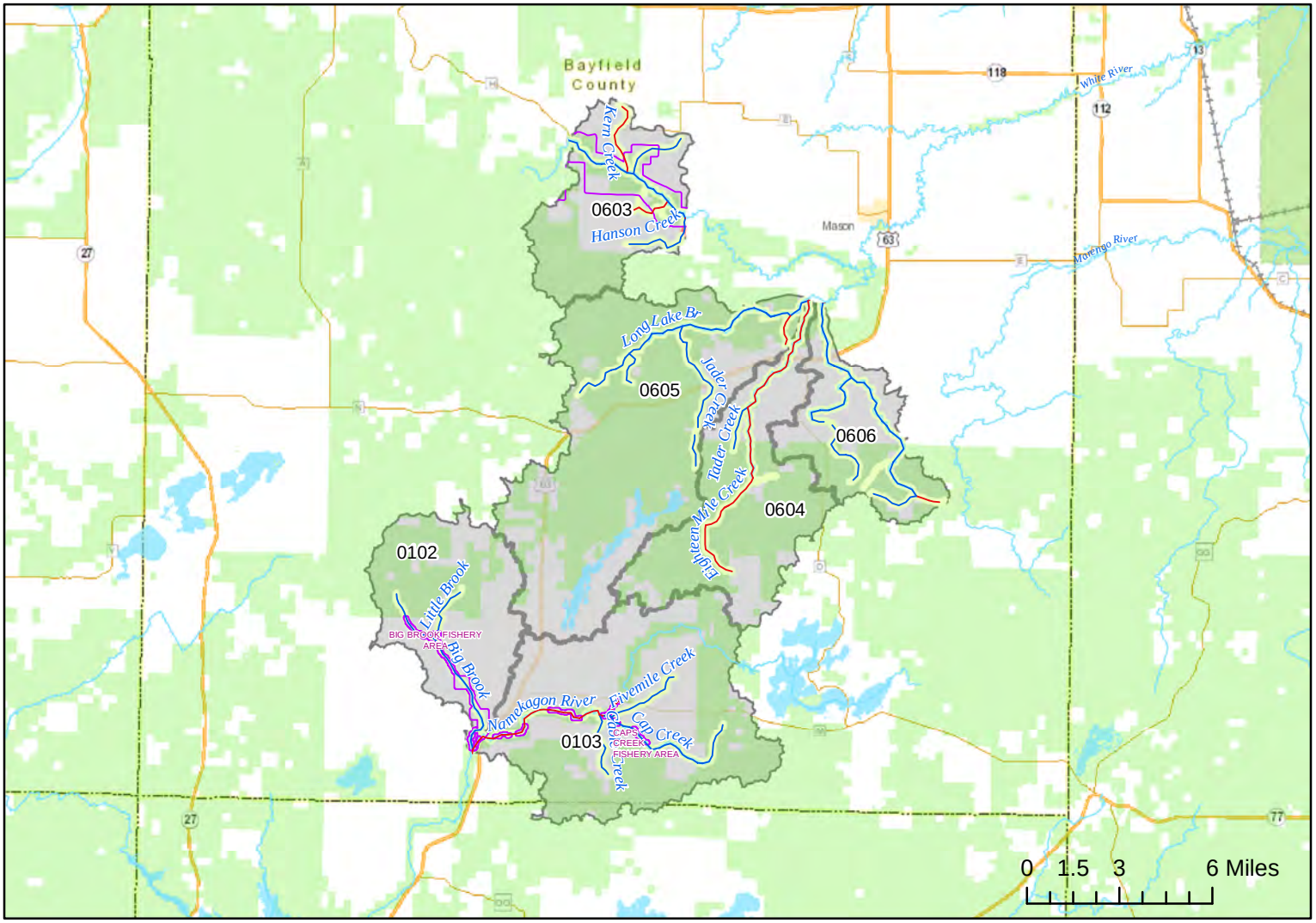
Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 65

Namekagon/White River Headwaters

Environmental Resilience Score: 40



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0603	904	112	16	79	18.2	99	42	20.5	44	2.5	3
0604	1056	517	11.6	64	18.8	100	66	17.6	57	0.1	1
0605	257	632	24.7	80	16.9	100	70	24	87	1	3
0606	000	657	18.7	100	16.1	100	46	23.4	44	0	4
0102	018	1043	9.2	84	17.3	100	39	10.4	70	1.6	4
0103	002	042	12	47	18	100	49	20	60	0	1

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

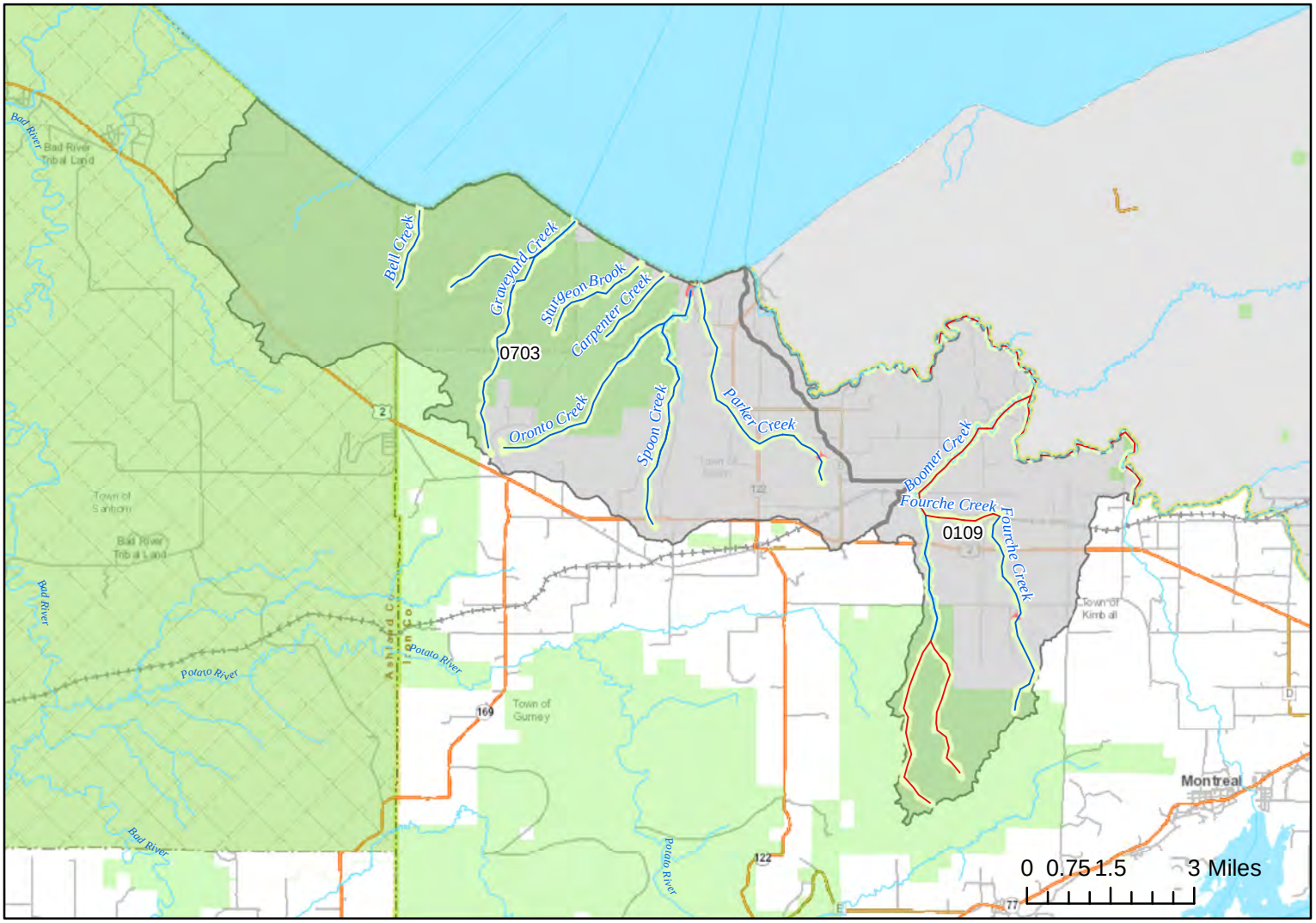
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 67

Graveyard Creek

Go Back to State Map

Environmental Resilience Score: 43



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0109	000	297	27.7	54	19.9	99	21	27.8	31	0	2
0703	N/A	N/A	73.3	73	16.7	99	65	30.8	62	0	3

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

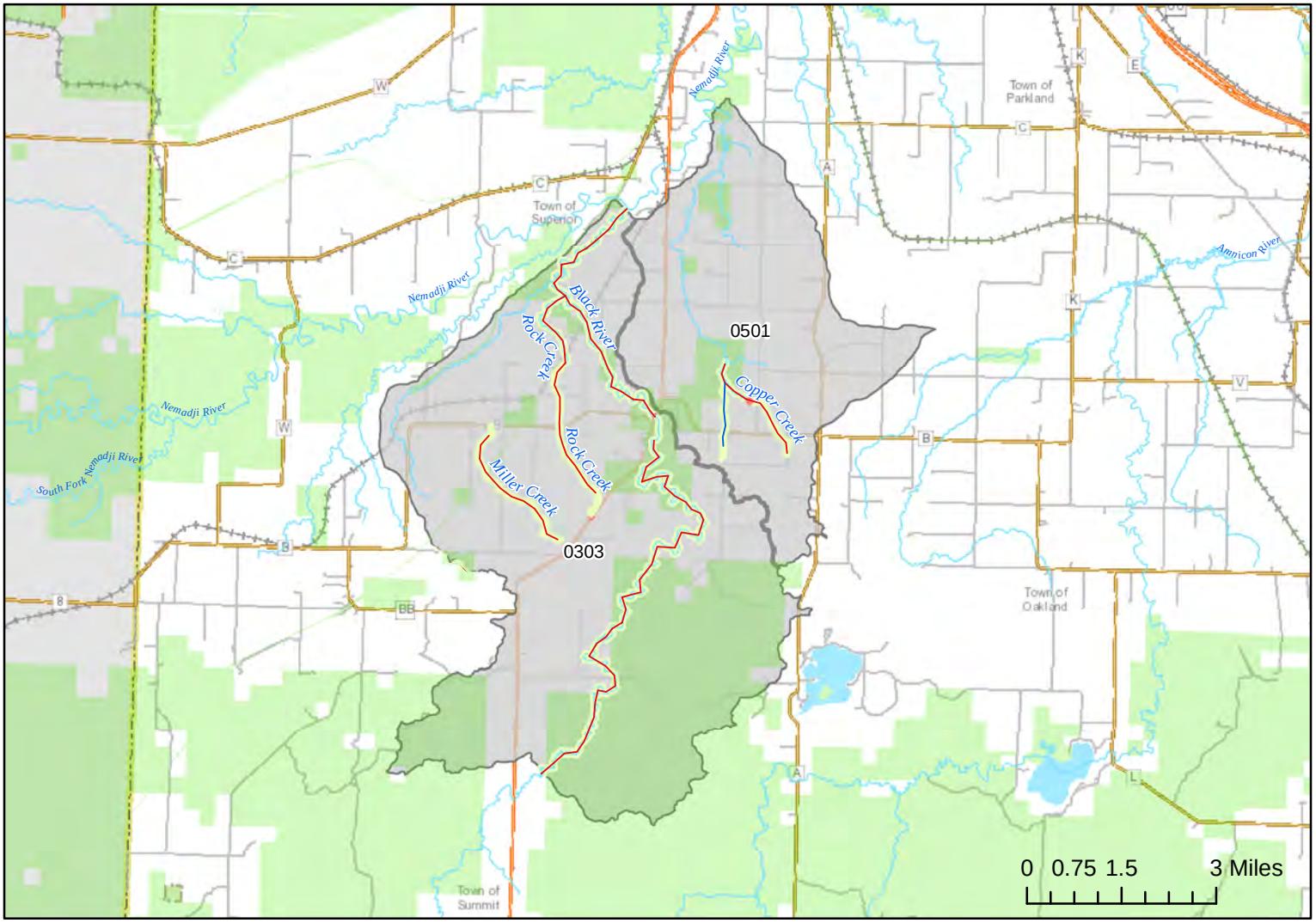
Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 68

Douglas - Black River Headwaters

Environmental Resilience Score: 14



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0303	000	109	2.4	4	20.9	100	40	29.3	38	5.1	2
0501	000	190	3.6	11	18.9	99	10	3.8	24	0	6

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

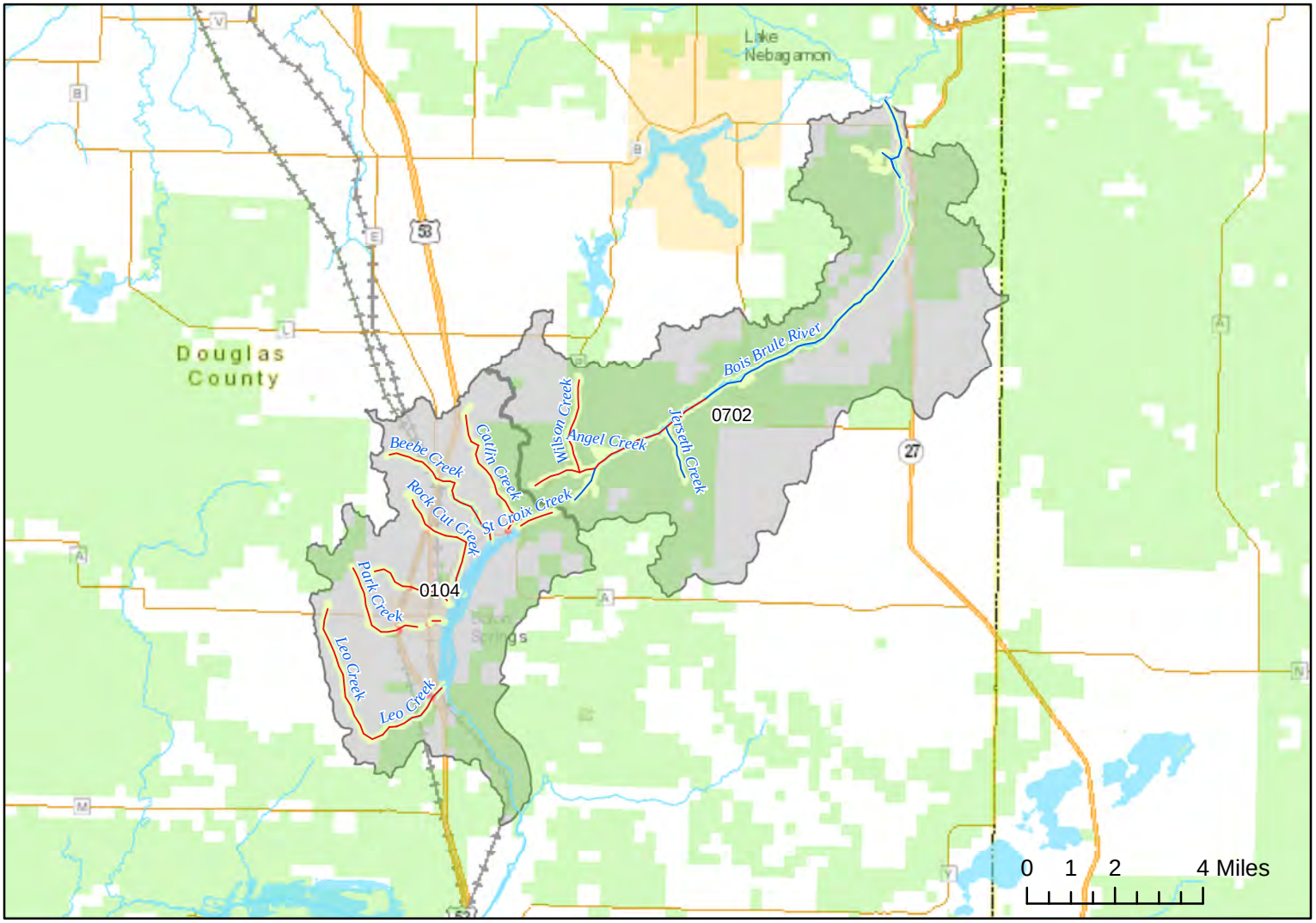
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 69

Grand Portage Headwaters

Go Back to State Map

Environmental Resilience Score: 30



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0702	147	299	23.2	94	18.3	100	58	27.7	74	7.2	3
0104	000	159	3.6	13	20.8	98	28	25.6	13	4.7	6

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

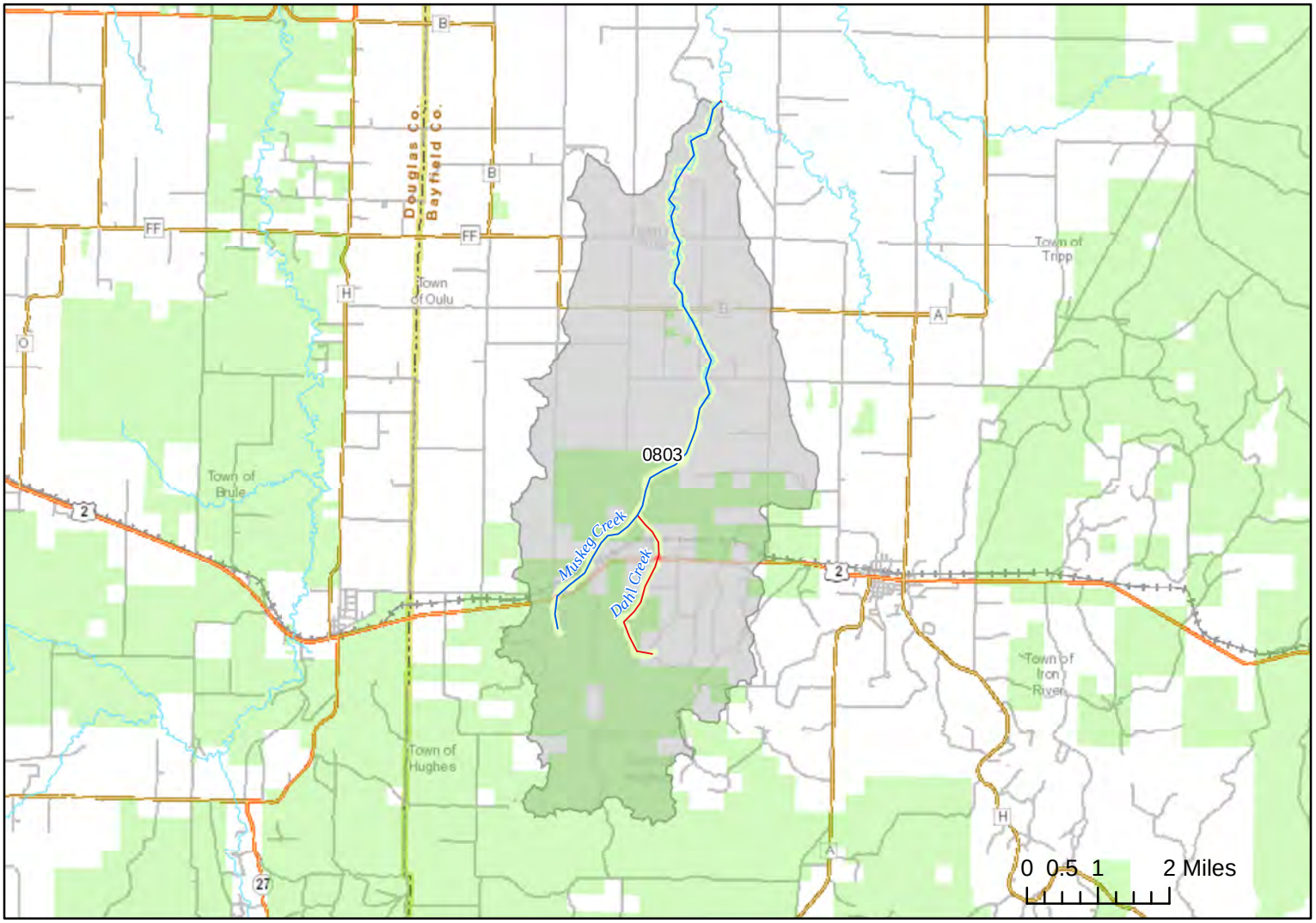
Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 71

Muskeg Creek

Environmental Resilience Score: 40



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0803	104	460	15.6	65	17.9	100	36	15	29	0	4

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

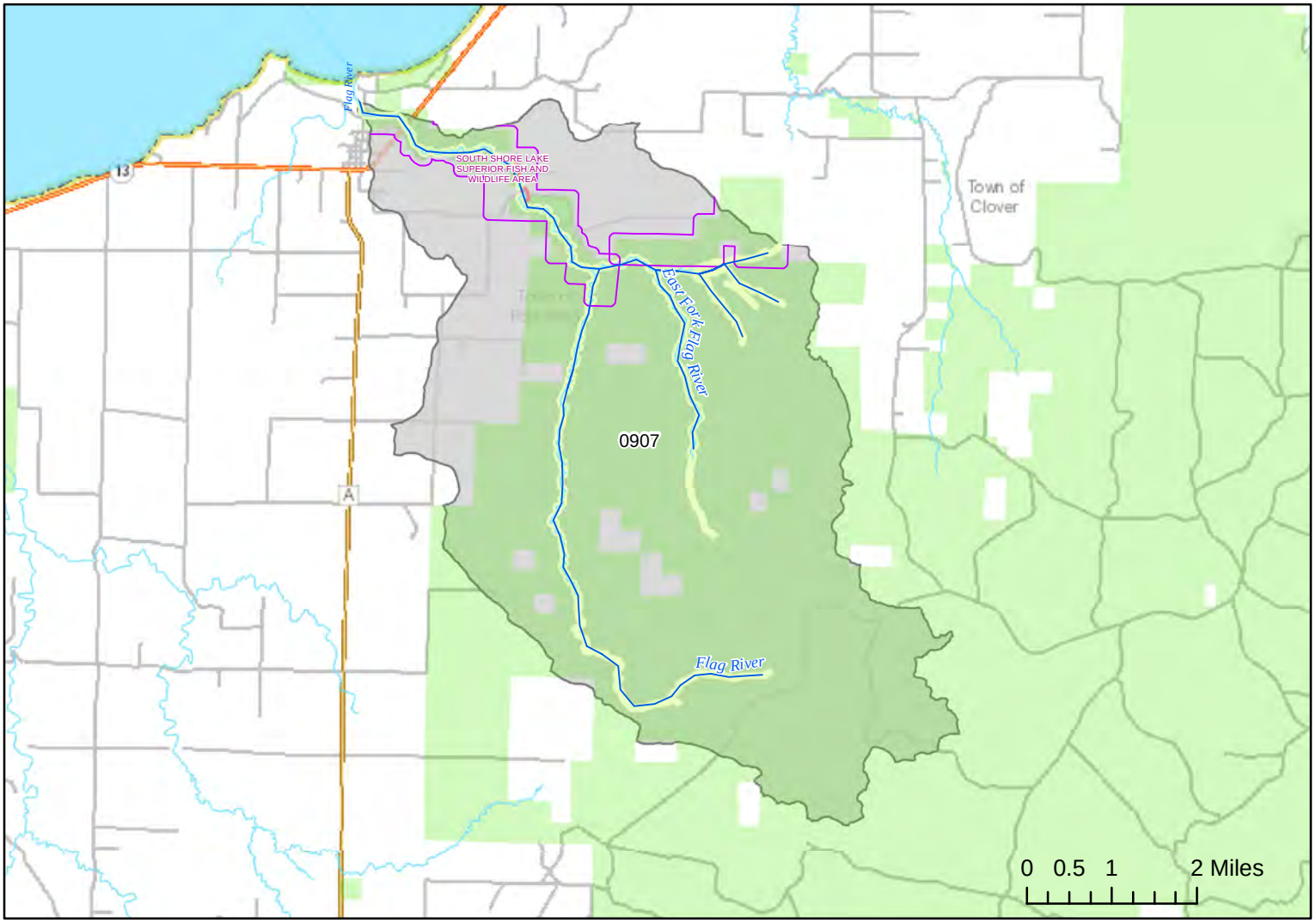
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 72

Go Back to State Map

Lake Superior South Shore 1

Environmental Resilience Score: 52



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0907	000	050	39.9	97	15.8	99	76	24.5	96	0.9	3

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

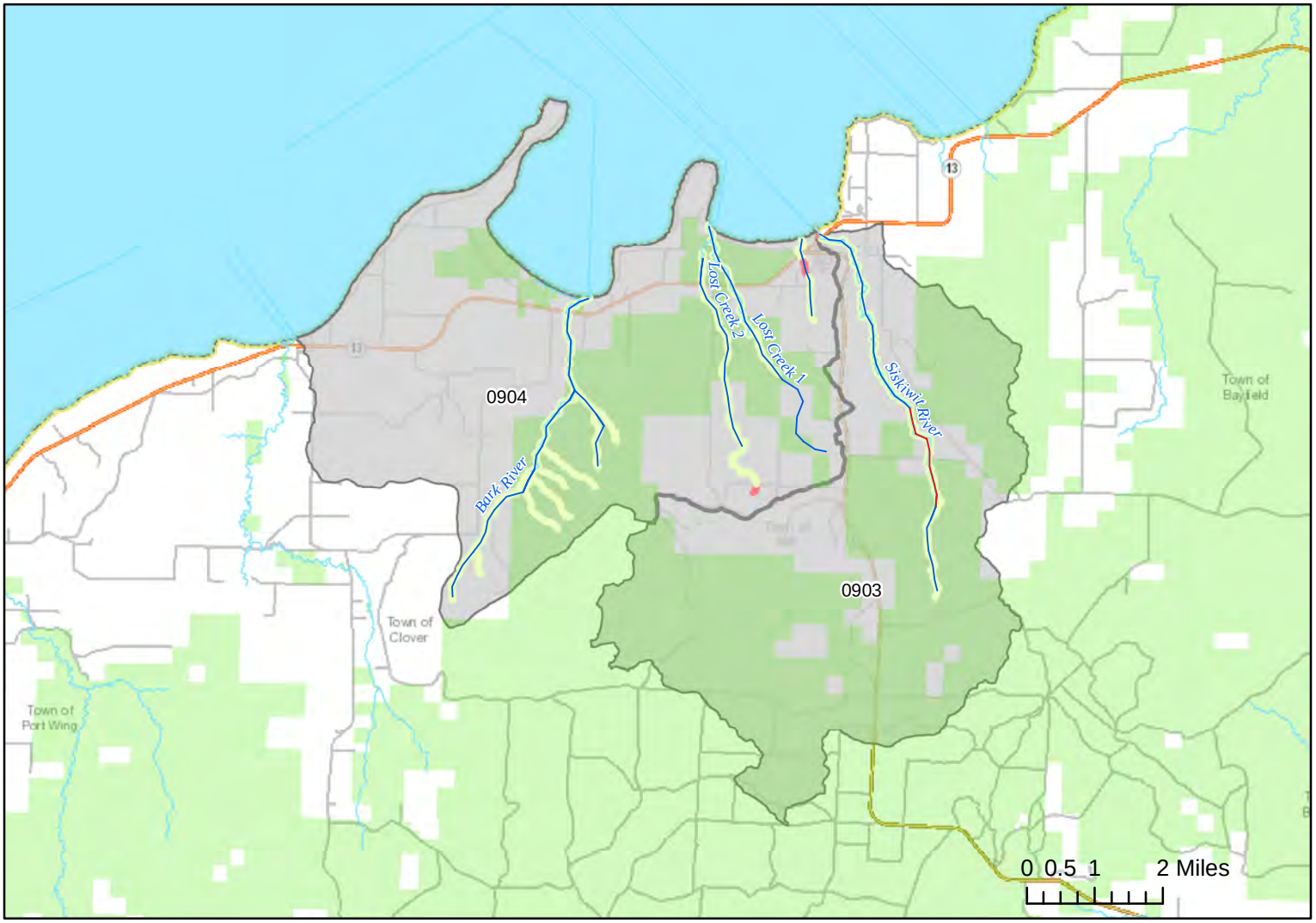
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 73

Go Back to State Map

Lake Superior South Shore 2

Environmental Resilience Score: 46



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
0903	000	083	13.6	96	17.7	99	72	8.2	30	0	4
0904	034	182	28.1	87	17.5	98	33	21.1	59	0.6	3

Cluster 1: Healthy Public Weak Therm Resilience

Cluster 2: Healthy Weak Therm Resilience

Cluster 3: Healthy Public Thermally Average BKT Strong

Cluster 4: Average Health Thermally Resilient Avg. FTR BKT Hab. BKT Resilient

Cluster 5: Private Agriculture Thermally Resilient BKT Strong

Cluster 6: Private Agriculture Natural Riparian BKT Weak

Cluster 7: Private Agriculture Thermally Resilient Developed Riparian BKT Weak

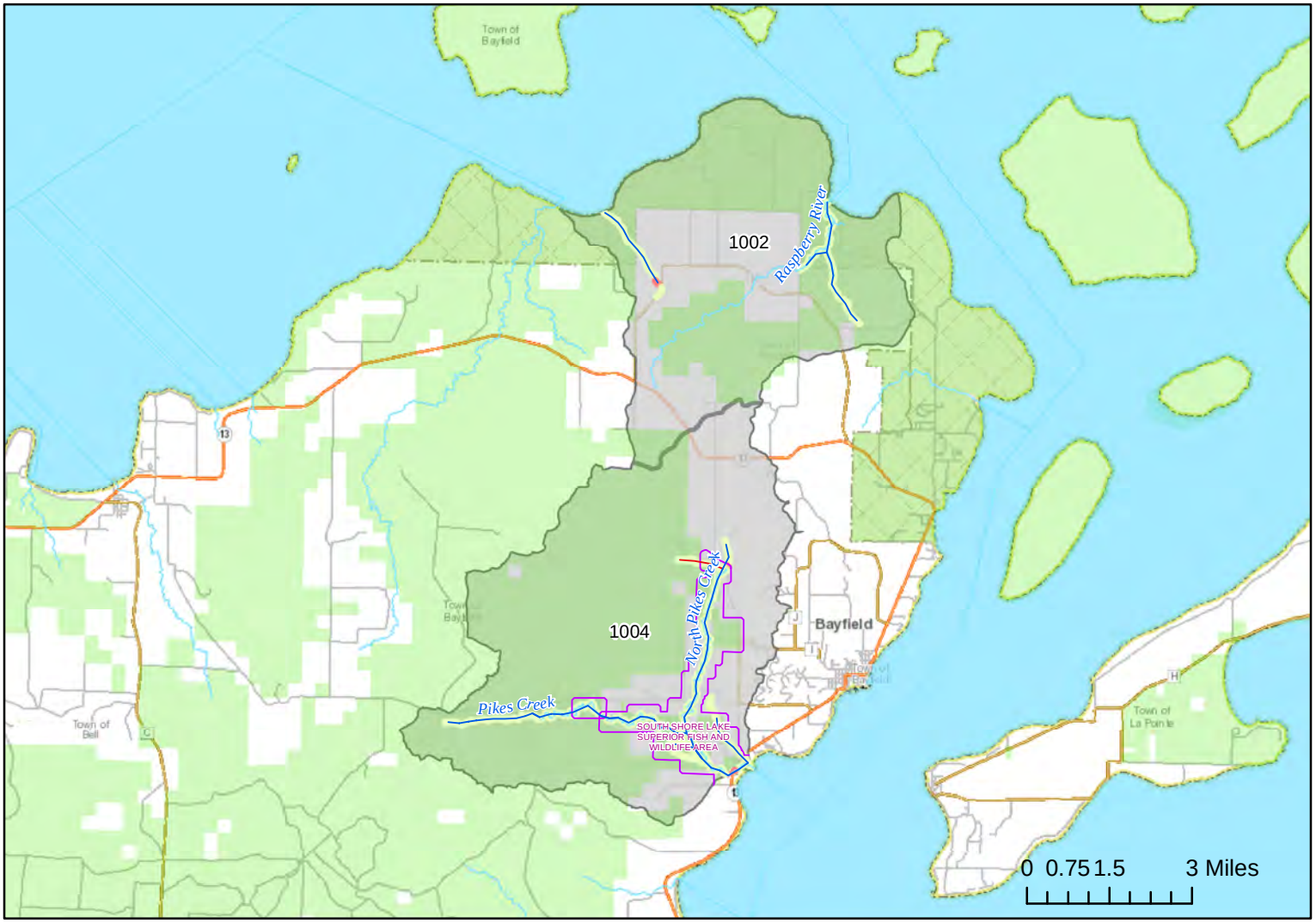
Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

BTR# 74

Go Back to State Map

Bayfield Peninsula Streams

Environmental Resilience Score: 50



Future (2046-2065) July Stream Temperature, (Celsius) on Classified Trout Water

- 9.5 - 19
- 19 - 23
- Fee/Easement Eligible (FM Projects)
- Streams >= Stream Order 3

Buffer Type along Classified Trout Water

- Developed
- Natural
- Waterbodies > 335 Acres
- Public Land

HUC12	NN CPE	BKT CPE	BKT FTR HAB	%BKTMiles Mid-Cent	FTR Temp	% Nat Buff	%HUC12 Public	Total TS Miles	% TS Mi Public	*Remaining Auth TS Mi	Cluster
1002	015	N/A	31.5	91	17	98	67	6.2	82	0	3
1004	261	227	31.5	94	16.8	100	68	17.9	85	1.4	3

Cluster 1:
Healthy Public
Weak Therm Resilience

Cluster 2:
Healthy
Weak Therm Resilience

Cluster 3:
Healthy Public
Thermally Average
BKT Strong

Cluster 4:
Average Health
Thermally Resilient
Avg. FTR BKT Hab.
BKT Resilient

Cluster 5:
Private Agriculture
Thermally Resilient
BKT Strong

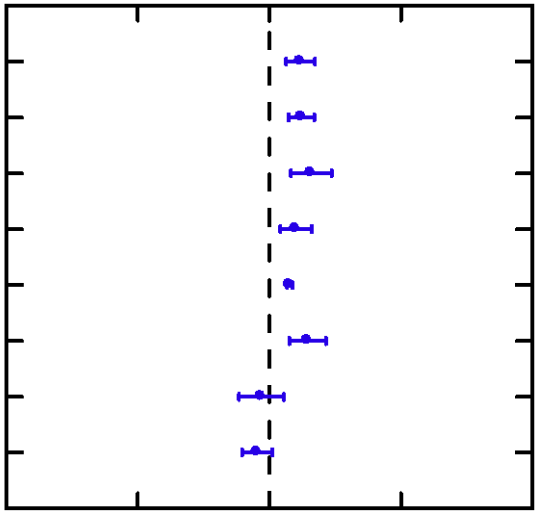
Cluster 6:
Private Agriculture
Natural Riparian
BKT Weak

Cluster 7:
Private Agriculture
Thermally Resilient
Developed Riparian
BKT Weak

Note: Buffered areas fully outline the classified trout water, while future (2046-2065) July Stream Temperature data are sometimes unavailable for the full length of classified trout water.

Cluster 1 (43 Subwatersheds)
Healthy Public Subwatersheds
Weak thermal resilience

These subwatersheds possess excellent watershed health, high public riparian and subwatershed ownership, and consistently excellent natural buffers. However their streams show lower thermal resilience with above average temperature in the Mid-century. Consequently, FTR BKT habitat and species resilience is average to somewhat below average.



Landuse Index

Change in Stream Temp (mid-century)

Percent Public land in Subwatershed

Future stream temp (mid-century)

% of 30-m riparian in natural veg

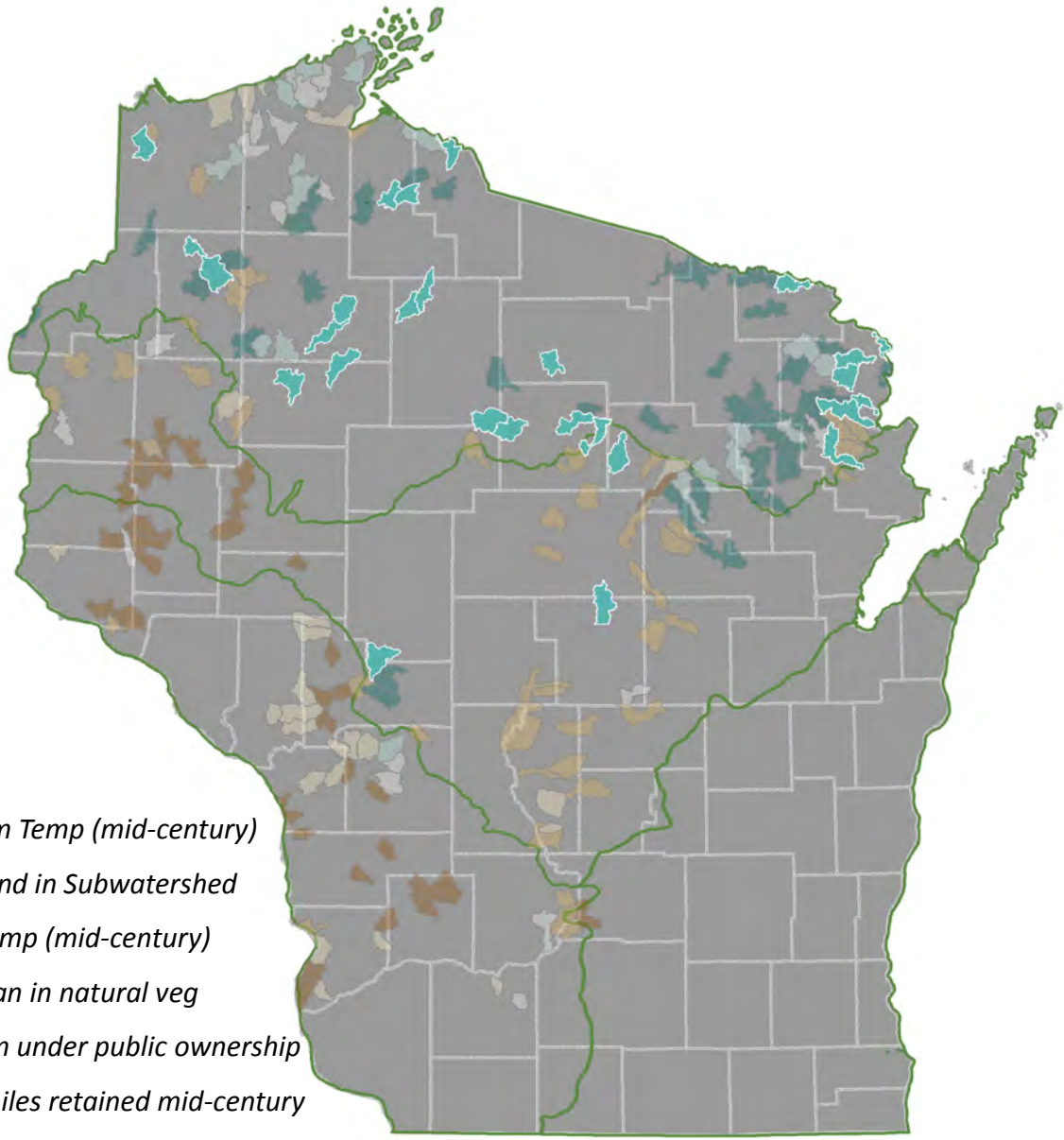
% of trout stream under public ownership

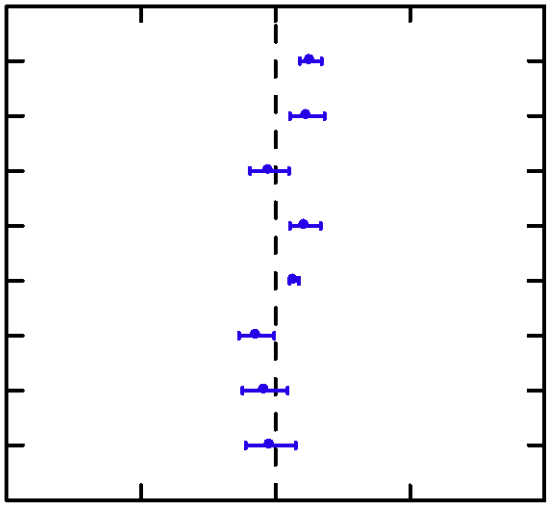
% BKT stream miles retained mid-century

FTR BKT habitat (miles in mid-century)

Cluster 2 (27 Subwatersheds)
Healthy Subwatersheds
Weak thermal resilience

These subwatersheds possess excellent watershed health and consistently excellent natural buffers. Unlike Cluster 1, which contains ample amounts of public land, public watershed and riparian ownership is average to somewhat below average in this cluster. Future stream temps are above average and thermal resilience is weak. Abundance of FTR BKT habitat is average and species resilience is average.



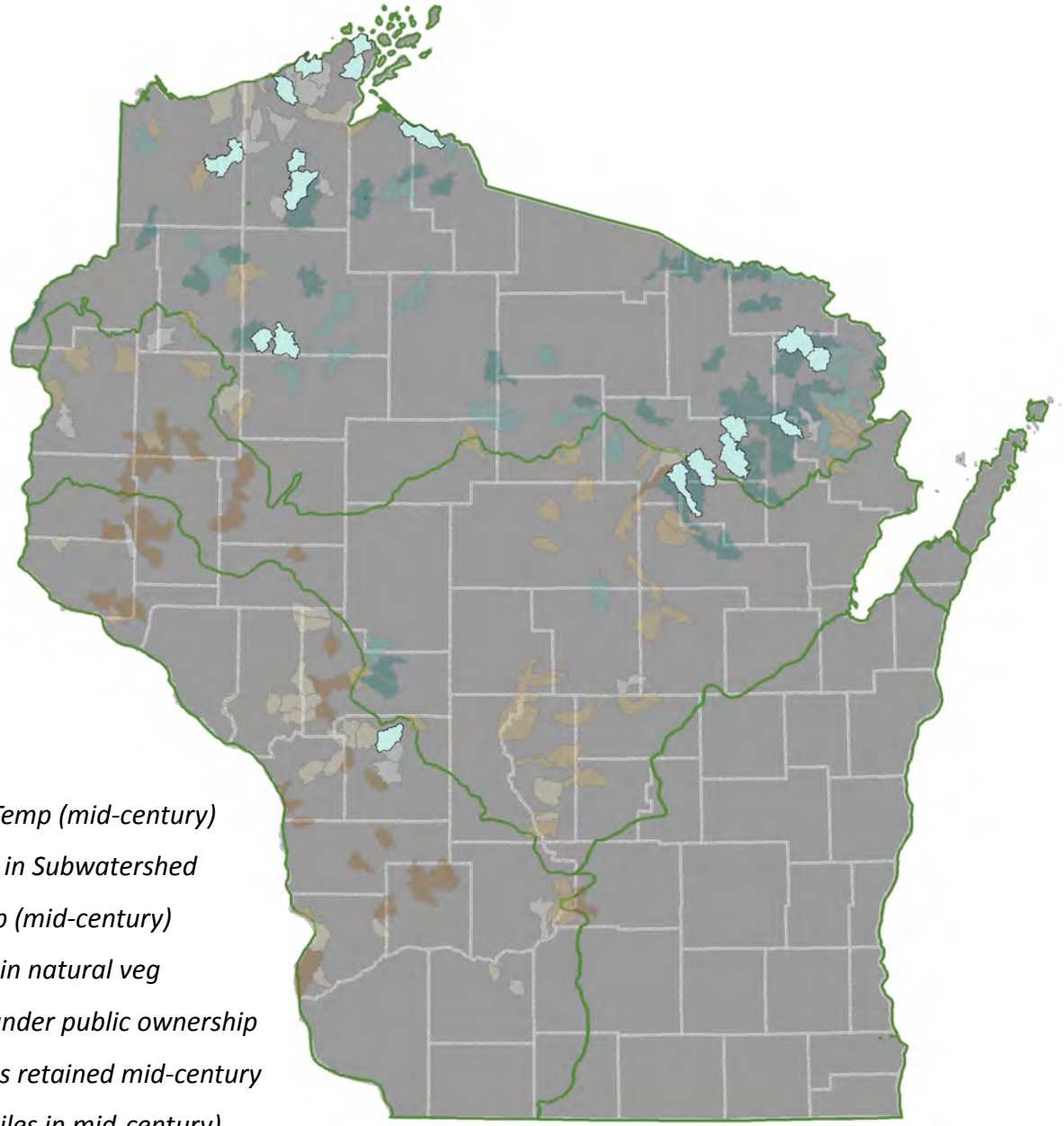


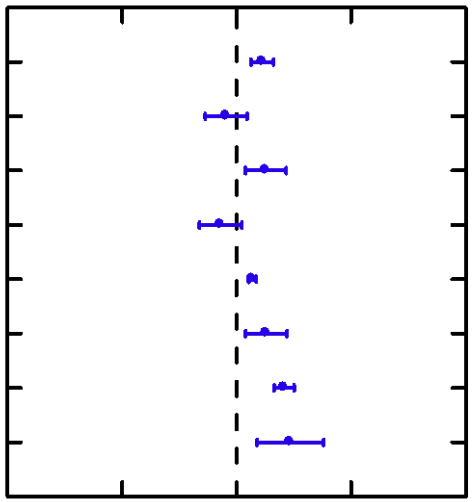
Landuse Index
Change in Stream Temp (mid-century)
Percent Public land in Subwatershed
Future stream temp (mid-century)
% of 30-m riparian in natural veg
% of trout stream under public ownership
% BKT stream miles retained mid-century
FTR BKT habitat (miles in mid-century)

Cluster 3 (18 Subwatersheds)

Healthy Public Subwatersheds
Thermally Average
BKT Strong

Excellent subwatershed and buffer health. High watershed and riparian public ownership. Future temps are somewhat cooler and thermal resilience is somewhat better than average. Abundant FTR BKT Habitat and species resilience.





Landuse Index

Change in Stream Temp (mid-century)

Percent Public land in Subwatershed

Future stream temp (mid-century)

% of 30-m riparian in natural veg

% of trout stream under public ownership

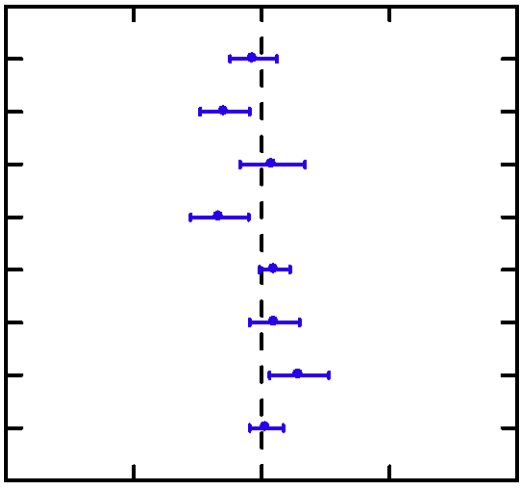
% BKT stream miles retained mid-century

FTR BKT habitat (miles in mid-century)

Cluster 4 (17 Subwatersheds)

Average Subwatershed health
Thermally Resilient
Average FTR BKT Habitat but Resilient

These subwatersheds possess average conditions for subwatershed and riparian heath and public ownership. They hold good thermal resilience and will remain cooler, with average amounts FTR BKT habitat, however strong species resilience.



Landuse Index

Change in Stream Temp (mid-century)

Percent Public land in Subwatershed

Future stream temp (mid-century)

% of 30-m riparian in natural veg

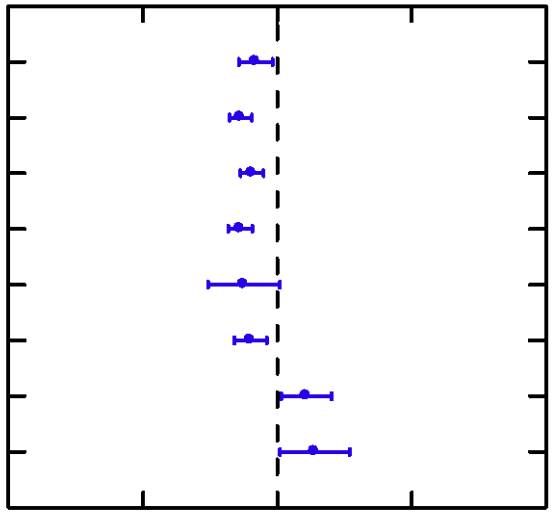
% of trout stream under public ownership

% BKT stream miles retained mid-century

FTR BKT habitat (miles in mid-century)

Cluster 5 (23 Subwatersheds)
Private Ag Subwatersheds
Thermally resilient
BKT Strong

Despite somewhat below average subwatershed health, agriculturally impacted natural buffers, and low public watershed/riparian ownership, these subwatersheds possess abundant FTR habitat and excellent BKT resilience. Their streams will remain consistently colder and possess excellent thermal resilience in the mid-century.



Landuse Index

Change in Stream Temp (mid-century)

Percent Public land in Subwatershed

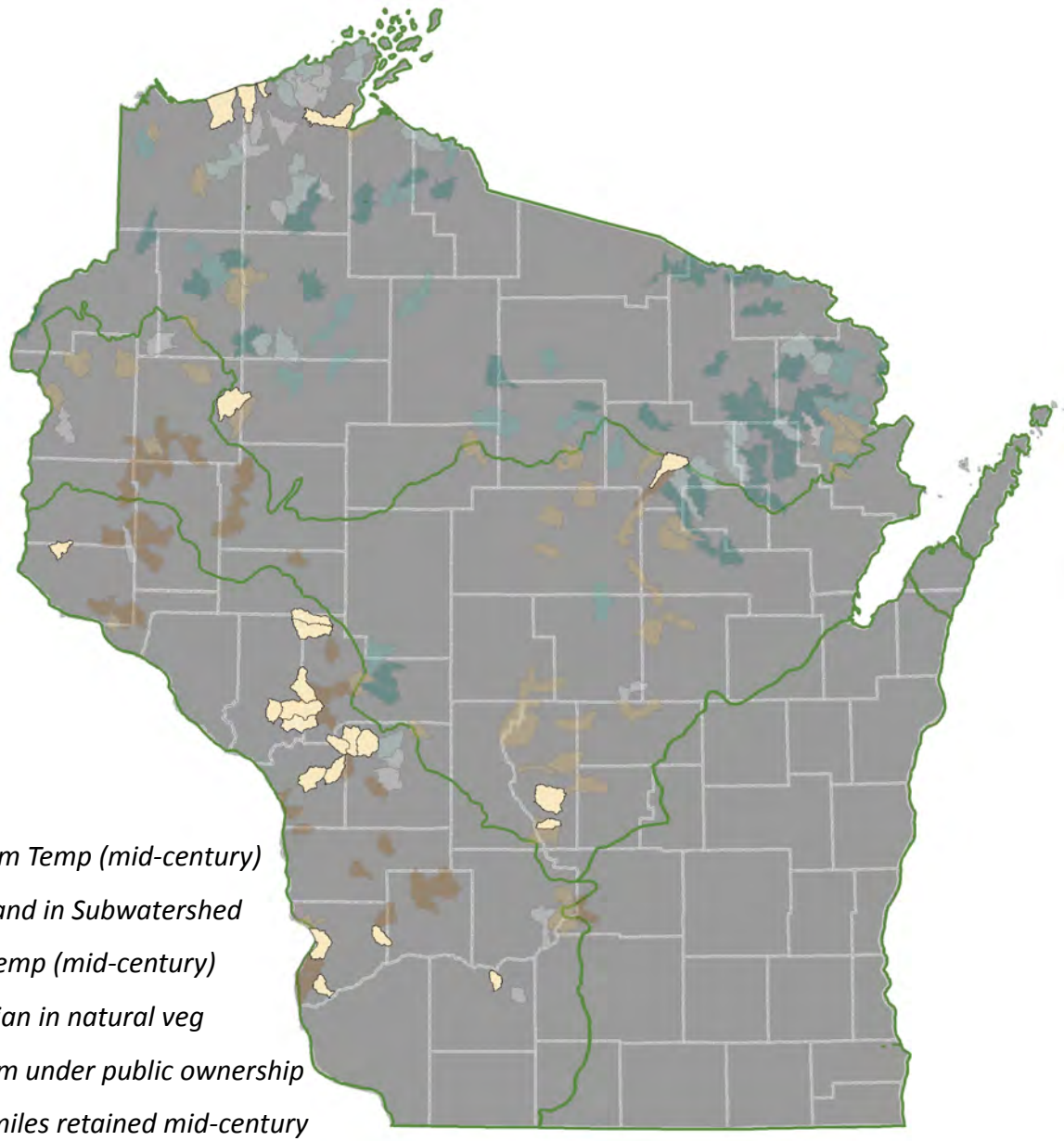
Future stream temp (mid-century)

% of 30-m riparian in natural veg

% of trout stream under public ownership

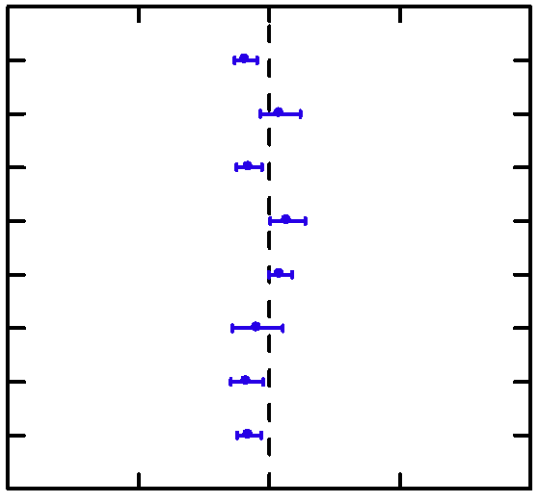
% BKT stream miles retained mid-century

FTR BKT habitat (miles in mid-century)



Cluster 6 (43 Subwatersheds)
Private Ag Subwatersheds
Public Riparian

These subwatersheds possess below average health, yet the health of the riparian areas is above average. Overall subwatershed ownership tends to be more private, but with average public riparian ownership. Future stream temperatures are warmer than average and thermal resilience is average. FTR BKT habitat and species resilience are both below average.



Landuse Index

Change in Stream Temp (mid-century)

Percent Public land in Subwatershed

Future stream temp (mid-century)

% of 30-m riparian in natural veg

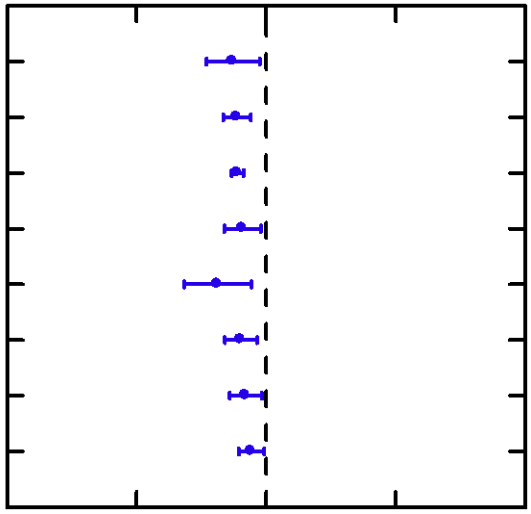
% of trout stream under public ownership

% BKT stream miles retained mid-century

FTR BKT habitat (miles in mid-century)

Cluster 7 (34 Subwatersheds)
Private Ag Subwatersheds
Thermally resilient
BKT Weak

Despite below average watershed and riparian health these subwatershed possess streams that will remain cooler than average, with consistently good thermal resilience. There is consistently more private ownership throughout the subwatershed as well as more varied private ownership in the riparian zone. FTR BKT habitat and species resilience is below average.



Landuse Index
Change in Stream Temp (mid-century)
Percent Public land in Subwatershed
Future stream temp (mid-century)
% of 30-m riparian in natural veg
% of trout stream under public ownership
% BKT stream miles retained mid-century
FTR BKT habitat (miles in mid-century)