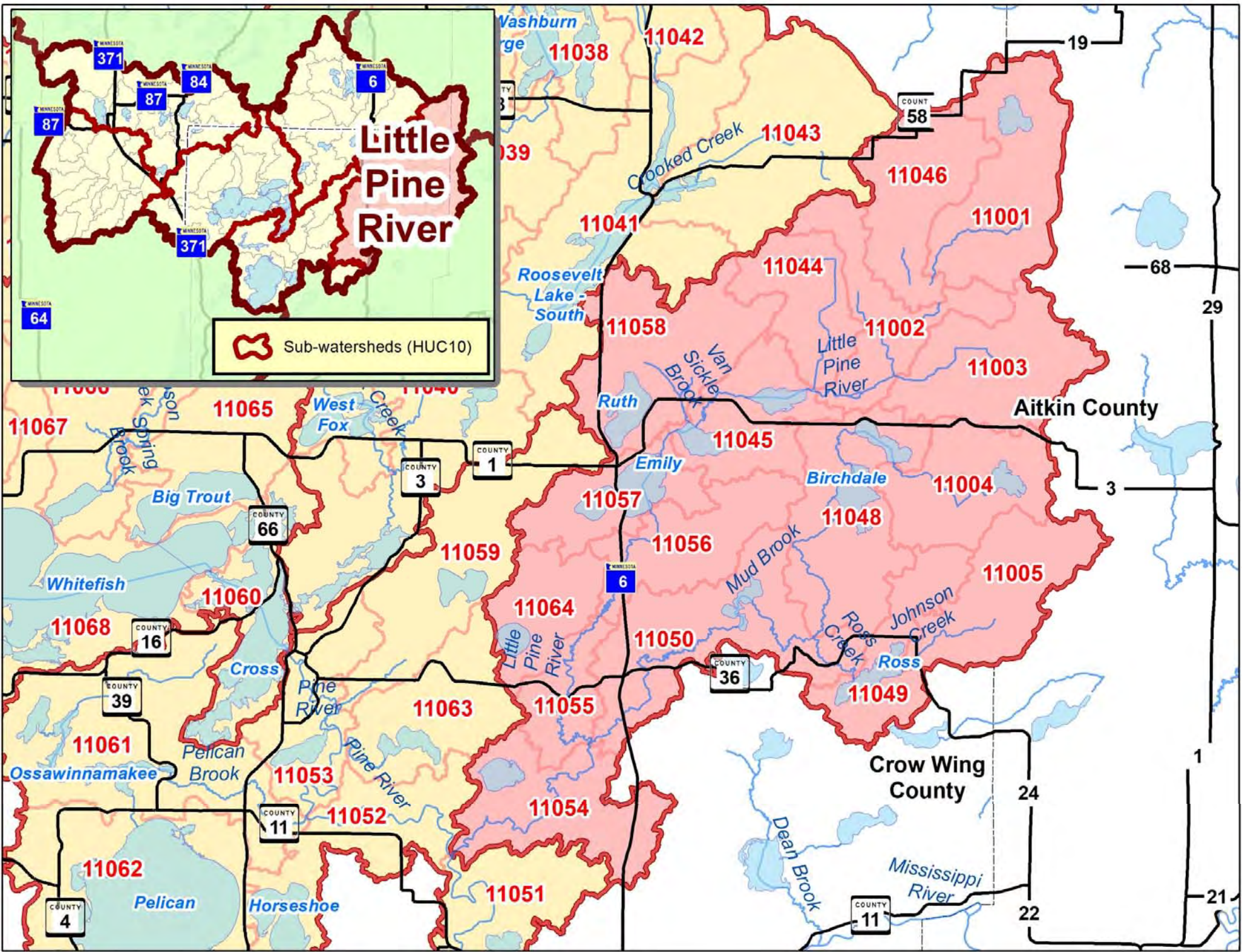


# Little Pine River Sub-watershed

Minor Watershed #	Minor Watershed Name
11001	East Creek
11002	Little Pine R.
11003	Starry L.
11004	Mud Br./Bass L.
11005	Johnson Cr.
11044	Mud/Goose L.
11045	Little Pine R./Mary L.
11046	Little Pine L.
11048	Mud Br./Lows L.
11049	Ross Lake
11050	Mud Br./Island L.
11054	Adney/Perry Lakes
11055	Little Pine R./Square L.
11056	Little Pine R./Slough L.
11057	Emily Lake
11058	Ruth Lake
11064	Dolney Lake





Basics			Risk / Disturbed					Outstanding Surface Water Resources	Protection					Forests / Biodiversity / Potential Native Plant Community System									
Minor #	Acres	Sq Miles	Risk Factors	Lake Phosphorus Sensitivity	Average % Slope	% Altered Water- courses	% Land Disturb- ance		DNR Lake Protection Classification*	% Protected	Land Value / Ac (20+ ac parcels)	Acres Needed for 75%	Potential to Protect (ac)	% Forest Cover	% Forest Steward- ship Plans	FFF Composite Mean Score	Terrestrial Bio- diversity	% Fire Dependent (FD)	% Mesic Hardwood (MH)	% Wet Meadow (WM)	% Other Systems		
11001	7,063	11			4.9%	0.0%	7%		Vigilance	95%	\$236	Goal Met	250	<div><div>47%</div></div>	<div><div>0%</div></div>	101.7	Moderate-High	<div><div>10%</div></div>	<div><div>36%</div></div>	<div><div>2%</div></div>	<div><div>48%</div></div>		
11002	4,673	7			5.1%	78.4%	12%	Wild Rice	Protection	73%	\$577	100	795	<div><div>47%</div></div>	<div><div>11%</div></div>	106.5	Moderate-High	<div><div>13%</div></div>	<div><div>38%</div></div>	<div><div>8%</div></div>	<div><div>39%</div></div>		
11003	6,089	10			5.7%	49.7%	12%		Vigilance	89%	\$527	Goal Met	451	<div><div>49%</div></div>	<div><div>9%</div></div>	103.3	Moderate-High	<div><div>12%</div></div>	<div><div>36%</div></div>	<div><div>3%</div></div>	<div><div>47%</div></div>		
11004	5,259	8			6.7%	0.0%	6%	Lakes of Biodiversity Significance	Vigilance	85%	\$592	Goal Met	602	<div><div>53%</div></div>	<div><div>4%</div></div>	103.7	Moderate-High	<div><div>11%</div></div>	<div><div>47%</div></div>	<div><div>1%</div></div>	<div><div>33%</div></div>		
11005	5,433	8			6.5%	0.0%	10%		Protection / Vigilance	85%	\$519	Goal Met	687	<div><div>51%</div></div>	<div><div>3%</div></div>	101.3	Moderate-High	<div><div>4%</div></div>	<div><div>51%</div></div>	<div><div>4%</div></div>	<div><div>39%</div></div>		
11044	3,938	6			6.7%	95.8%	8%		Protection / Vigilance	88%	\$267	Goal Met	302	<div><div>59%</div></div>	<div><div>8%</div></div>	99.5	High	<div><div>10%</div></div>	<div><div>50%</div></div>	<div><div>13%</div></div>	<div><div>26%</div></div>		
11045	4,658	7	Declining Water Quality Trend	Higher	7.3%	35.5%	5%	Lakes of Biodiversity Significance, Wild Rice	Protection	60%	\$829	716	1142	<div><div>53%</div></div>	<div><div>2%</div></div>	106.6	High	<div><div>16%</div></div>	<div><div>44%</div></div>	<div><div>9%</div></div>	<div><div>19%</div></div>		
11046	5,312	8			5.8%	6.2%	6%	Lakes of Biodiversity Significance, Wild Rice	Protection / Vigilance	91%	\$401	Goal Met	414	<div><div>56%</div></div>	<div><div>2%</div></div>	99.4	Moderate-High	<div><div>7%</div></div>	<div><div>32%</div></div>	<div><div>8%</div></div>	<div><div>49%</div></div>		
11048	7,307	11	Impaired	High	5.8%	0.0%	11%	Lakes of Biodiversity Significance, Wild Rice	Protection	74%	\$554	78	1423	<div><div>47%</div></div>	<div><div>8%</div></div>	108.4	High	<div><div>13%</div></div>	<div><div>39%</div></div>	<div><div>5%</div></div>	<div><div>39%</div></div>		
11049	4,043	6	Declining Water Quality Trend	Higher	9.6%	0.0%	6%		Protection	63%	\$1,384	487	908	<div><div>59%</div></div>	<div><div>10%</div></div>	106.4	High	<div><div>4%</div></div>	<div><div>52%</div></div>	<div><div>6%</div></div>	<div><div>23%</div></div>		
11050	8,118	13	Declining Water Quality Trend	Highest	15.5%	0.0%	8%	Lakes of Biodiversity Significance	Protection	44%	\$1,550	2515	3444	<div><div>68%</div></div>	<div><div>13%</div></div>	104.8	Moderate-High	<div><div>16%</div></div>	<div><div>59%</div></div>	<div><div>5%</div></div>	<div><div>15%</div></div>		
11054	6,224	10		Highest	10.4%	0.0%	13%	Lakes of Biodiversity Significance, Wild Rice	Protection	55%	\$1,237	1237	1829	<div><div>59%</div></div>	<div><div>9%</div></div>	89.4	Moderate-High	<div><div>20%</div></div>	<div><div>47%</div></div>	<div><div>7%</div></div>	<div><div>15%</div></div>		
11055	2,593	4			10.3%	0.0%	6%		Protection	52%	\$1,195	590	888	<div><div>61%</div></div>	<div><div>17%</div></div>	92.3	Moderate	<div><div>40%</div></div>	<div><div>29%</div></div>	<div><div>10%</div></div>	<div><div>20%</div></div>		
11056	4,725	7	Declining Water Quality Trend		9.5%	0.0%	6%		Protection	57%	\$1,166	868	1550	<div><div>56%</div></div>	<div><div>8%</div></div>	102.8	Moderate-High	<div><div>25%</div></div>	<div><div>44%</div></div>	<div><div>5%</div></div>	<div><div>26%</div></div>		
11057	4,033	6	Declining Water Quality Trend	Higher and Highest	6.9%	0.0%	10%	Lakes of Biodiversity Significance, Wild Rice	Protection	62%	\$769	543	635	<div><div>36%</div></div>	<div><div>2%</div></div>	90.1	High	<div><div>28%</div></div>	<div><div>27%</div></div>	<div><div>6%</div></div>	<div><div>10%</div></div>		
11058	7,697	12		Higher and Highest	6.6%	0.0%	10%	Trout	Protection	62%	\$664	1037	1552	<div><div>54%</div></div>	<div><div>5%</div></div>	99.3	High	<div><div>32%</div></div>	<div><div>39%</div></div>	<div><div>11%</div></div>	<div><div>8%</div></div>		
11064	3,577	6		Highest	6.1%	0.0%	12%		Protection	54%	\$1,245	745	1233	<div><div>42%</div></div>	<div><div>14%</div></div>	85.9	Moderate	<div><div>56%</div></div>	<div><div>12%</div></div>	<div><div>10%</div></div>	<div><div>14%</div></div>		



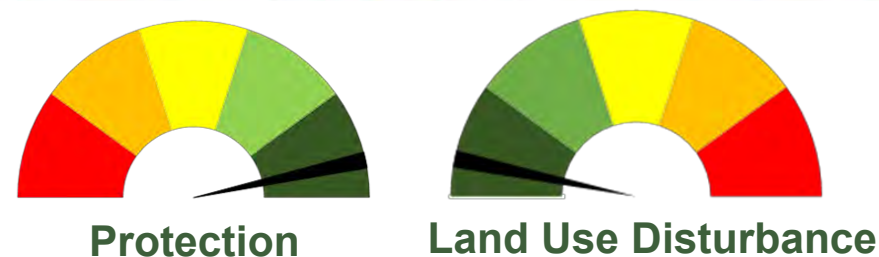
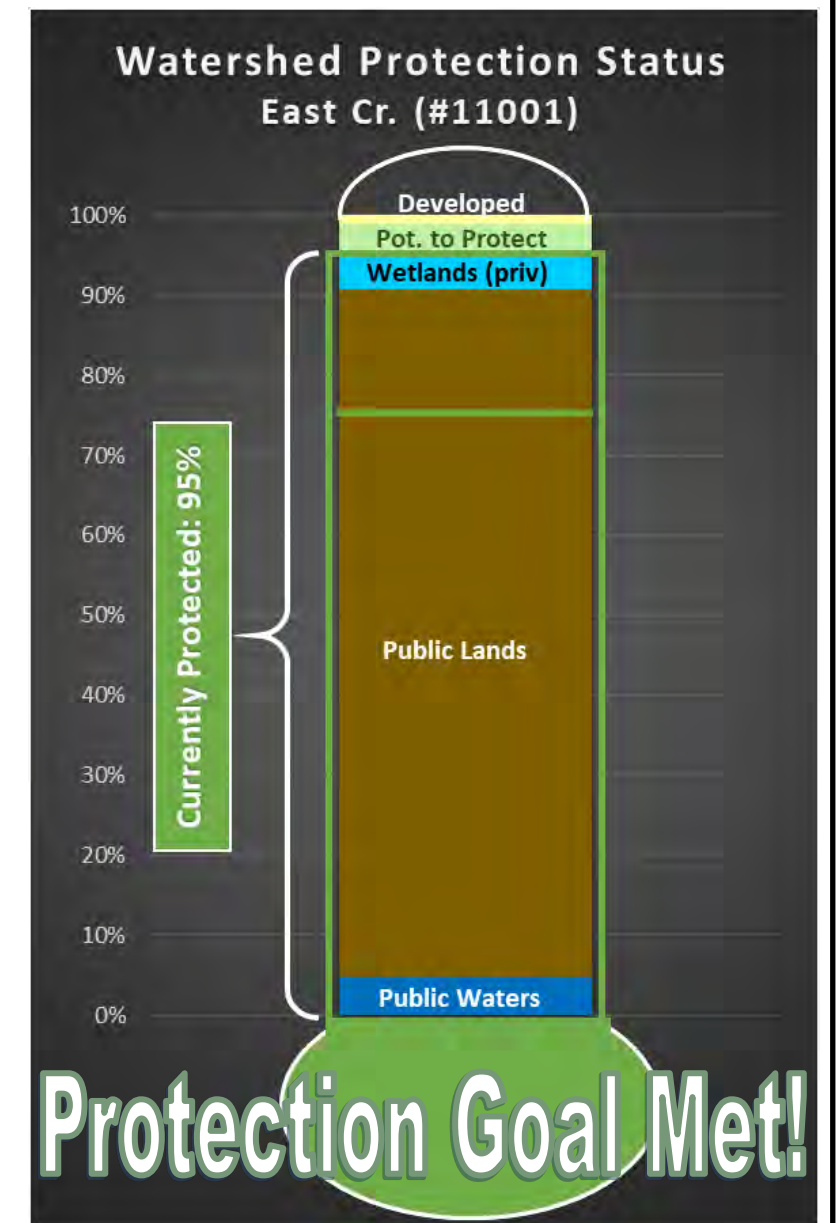
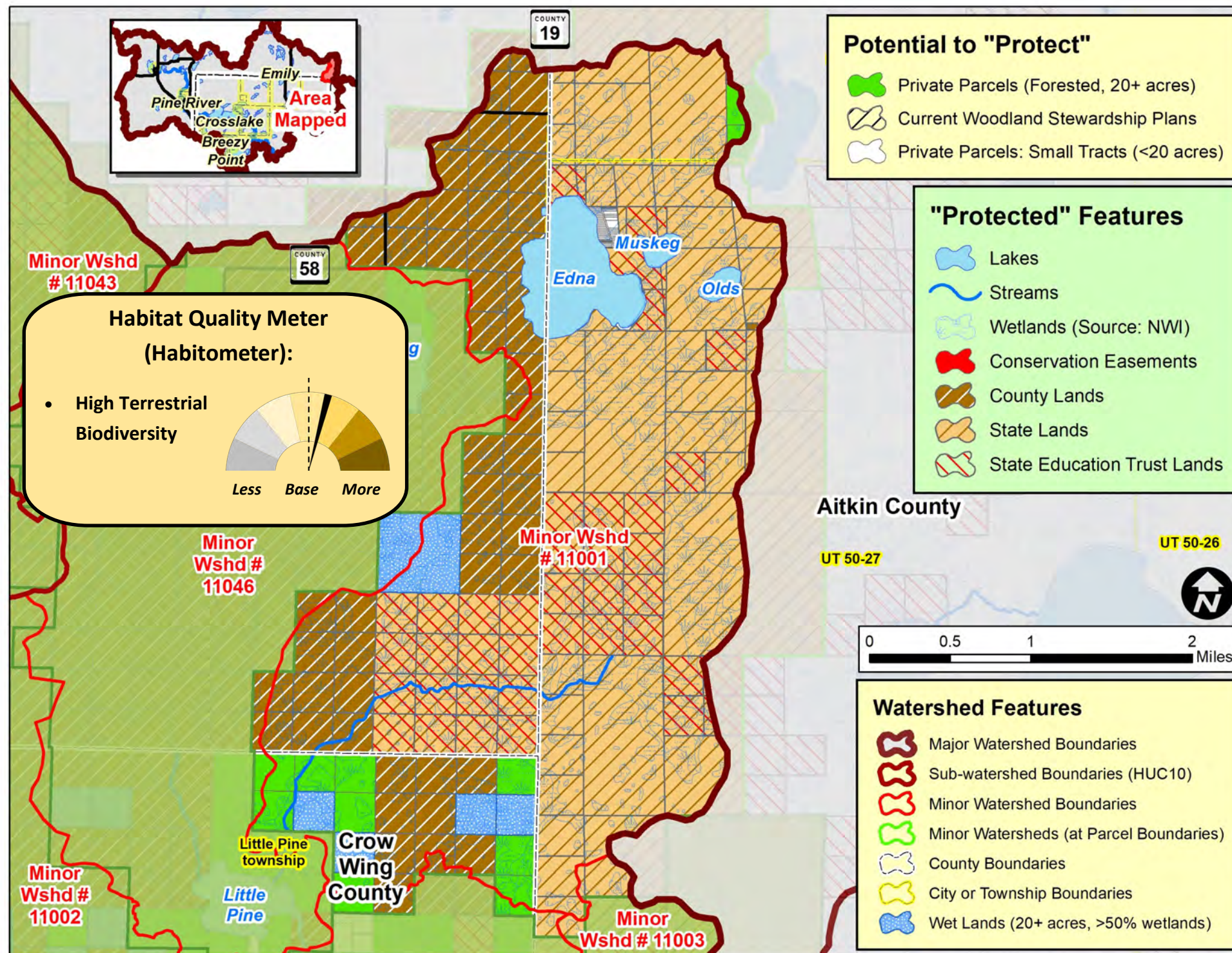
Sub-watershed (HUC10): Little Pine River

Geomorphology: Till (largely moraine-based)  
Primary Land Cover: Mesic-Hardwood Forest / Wetlands  
Primary Land Uses: Water-based Tourism, Hunting/Recreation, Forestry  
Lake or Stream Based: Lake & Stream  
Quality: High Terrestrial Biodiversity & Forests for the Future Scores  
Risks: Development  
Management Mode(s): Opportunism/Active  
Acreage Needed for Goal: 8,917 acres  
Total Cost to Achieve Goal: \$8,404,628      Cost /minor watershed = \$494,390

Minor Watershed Summary			Resource Context / Management Goals									Managing for: High Quality Resources										Managing for: Risk							Managing by: Implementation Focus / Applicable Tool									
Minor Watershed #	Minor Watershed Name	Minor Wshd Acres	Lake or Stream Based	Protection Goal	% Protected	Acres Needed for 75%	Potential To Protect (ac)	Cost	Protection Framework (DNR)		Mgmt Mode	Forest Type (FD/MH)	Forests	Lakes	Streams/ Source-water	Ground-water	Fish Habitat	Wildlife Habitat	Other High Quality Habitat	Avg. RAQ Score	Private Lands: Large Tract	Private Lands: Shoreline (small tract)	Open Land Issues: Grazing, Hay/Pasture	Open Land Issues: Row Crops	Aquatic Threats (Phosphorus / Declining Trends/Impaired)	Other Risk (Noted Below):	Forest Stewardship Plans, Advice	Grants and Cost-share Projects: Near-shore	Grants and Cost-share Projects: Watershed	Private Forest Management	Conveyance Systems	Local Land Use	Land Swaps / Trust Land Mgmt (Public Lands)	Incentive Programs (SFIA, 2C, CRP)	Conservation Easements	Fee Title Acquisition		
11001	East Creek	7063	Stream	75%	95.4%	Goal Met	250	\$0		Vigilance	Opportunism	MH	X		X			?	Bio-diversity	4.55										X			X					
11002	Little Pine R.	4673	Stream	75%	72.9%	100	795	\$75,948	Protection		Active	MH	X	X	X	X		X	Bio-diversity	4.95	X						X	X	X	X			X	X	X			
11003	Starry L.	6089	Stream	75%	88.9%	Goal Met	451	\$0		Vigilance	Opportunism	MH	X		X			?	Bio-diversity	4.6										X			X	X				
11004	Mud Br./Bass L.	5259	Lake/Stream	75%	84.7%	Goal Met	602	\$0		Vigilance	Opportunism	MH	X	X	X		X	?	High Bio-diversity	5.55										X			X	X				
11005	Johnson Cr.	5433	Stream	75%	84.9%	Goal Met	687	\$0	Protection	Vigilance	Opportunism	MH	X		X			?	High Bio-diversity	5.25										X			X	X				
11044	Mud/Goose L.	3938	Stream	75%	87.8%	Goal Met	302	\$0	Protection	Vigilance	Opportunism	MH	X		X	X		?	High Bio-diversity	5.65										X			X	X				
11045	Little Pine R./Mary L.	4658	Lake/Stream	75%	59.6%	716	1142	\$598,897	Protection		Active: Development Priority	MH	X	X	X	X	X	X	High Bio-diversity	5.05	X	X			X		X	X	X	X		X	X	X	X	X	Local Decision	
11046	Little Pine L.	5312	Lake/Stream	75%	90.9%	Goal Met	414	\$0	Protection	Vigilance	Opportunism	Other	X	X	X	X	?	X	High Bio-diversity	6.1	X									X				X				
11048	Mud Br./Lows L.	7307	Lake/Stream	75%	73.9%	78	1423	\$58,681	Protection		Active: Wild Rice Priority	MH	X	X	X		?	X	High Bio-diversity	5.3	X				X		X	X	X	X			X	X	X	X	Local Decision	
11049	Ross Lake	4043	Lake	75%	63.0%	487	908	\$488,421	Protection		Active	MH	X	X	X		X	?	Bio-diversity	4.05	X	X			X		X	X	X	X		X		X	X	X	Local Decision	
11050	Mud Br./Island L.	8118	Lake/Stream	75%	44.0%	2515	3444	\$2,647,955	Protection		Active	MH	X	X	X		X	?	High Bio-diversity	4.6	X	X			X		X	X	X	X		X	X	X	X	X	Local Decision	
11054	Adney/Perry Lakes	6224	Lake/Stream	75%	55.1%	1237	1829	\$1,185,910	Protection		Active	MH		X	X		X	X	High Bio-diversity	3.85	X	X			X		X	X	X	X		X	X	X	X	X	Local Decision	
11055	Little Pine R./Square L.	2593	Stream	75%	52.2%	590	888	\$558,242	Protection		Active	FD			X		?	?	?	3.8	X						X	X	X	X		X	X	X	X	X	Local Decision	
11056	Little Pine R./Slough L.	4725	Stream	75%	56.6%	868	1550	\$813,823	Protection		Active	FD/MH	X		X	X	?	?	High Bio-diversity	3.95	X	X			X		X	X	X	X		X	X	X	X	X	Local Decision	
11057	Emily Lake	4033	Lake	75%	61.5%	543	635	\$444,424	Protection		Active: Development Priority	FD/MH		X	X	X	X	X	High Bio-diversity	3.35	X	X			X		X	X	X	X		X	X	X	X	X	Local Decision	
11058	Ruth Lake	7697	Lake	75%	61.5%	1037	1552	\$816,247	Protection		Active: Development Priority	FD/MH	X	X	X	X	X	?	High Bio-diversity	3.65	X	X			X		X	X	X	X		X		X	X	X	Local Decision	
11064	Dolney Lake	3577	Lake	75%	54.2%	745	1233	\$716,080	Protection		Active	FD				X	X	?	?	2.85	X	X			X		X	X	X	X		X	X	X	X	X	Local Decision	

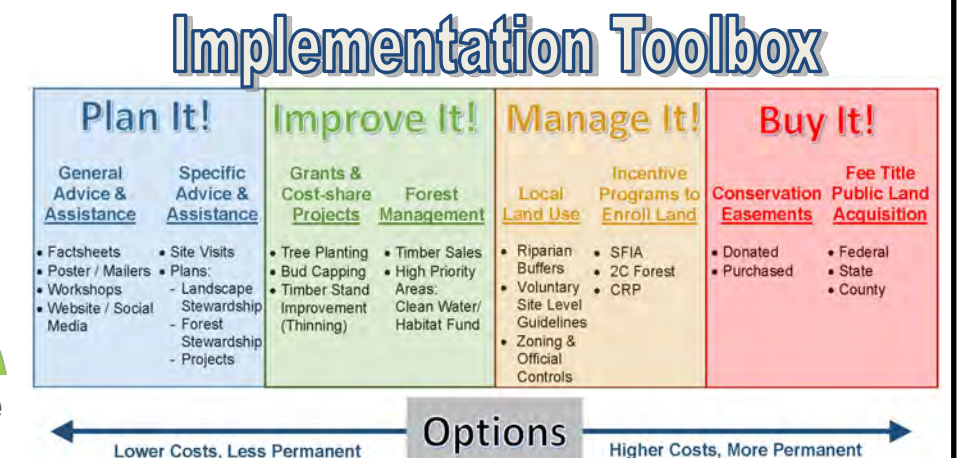


# What is the Potential to Protect the East Creek Minor Watershed (Minor 11001)?



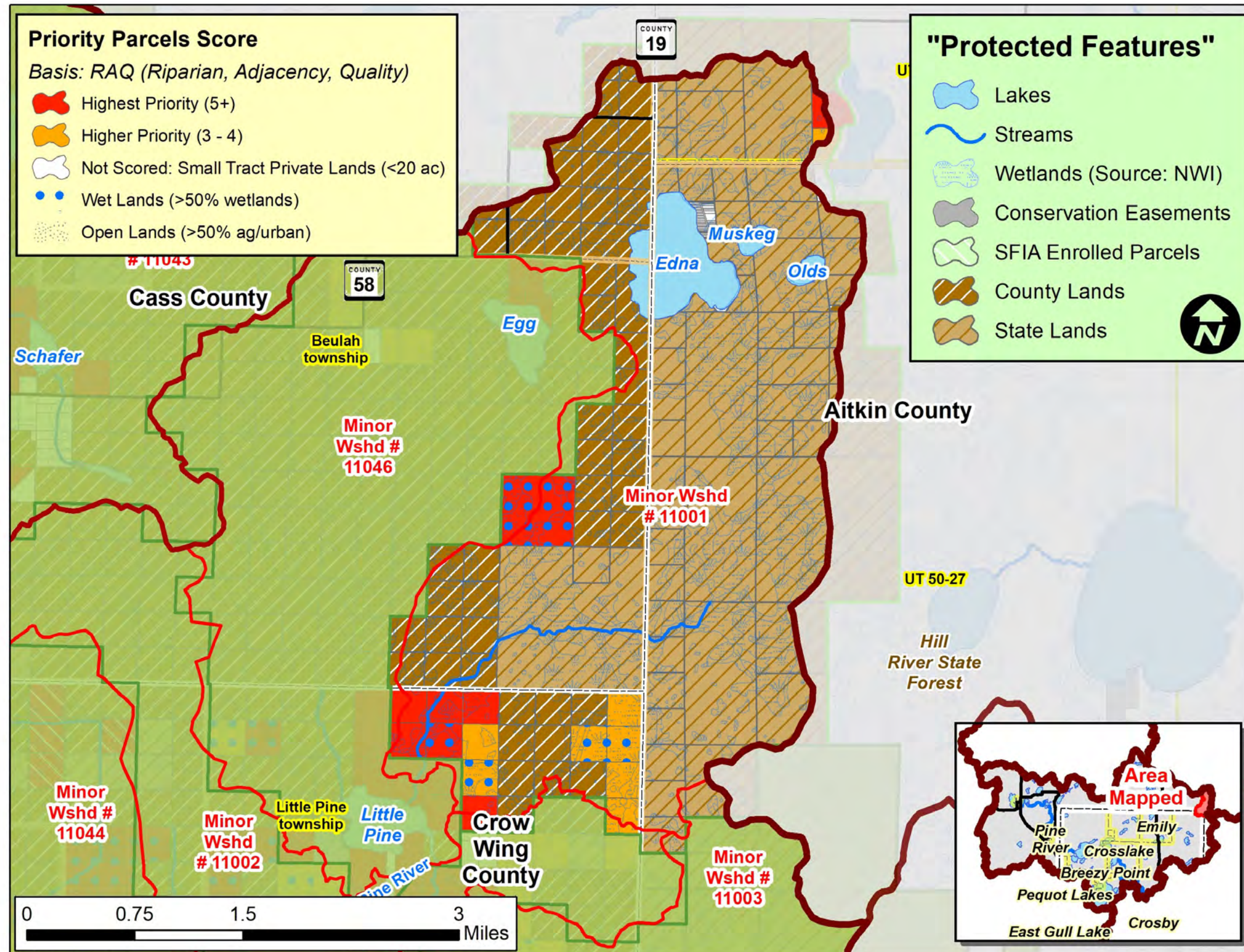
**Water Quality Trends / Impairments:**

Improving: None  
Declining: None, Impaired: None  
Stable (No Trend): None





# RAQ Scoring for Parcels in the East Creek Minor Watershed (Minor #11001)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

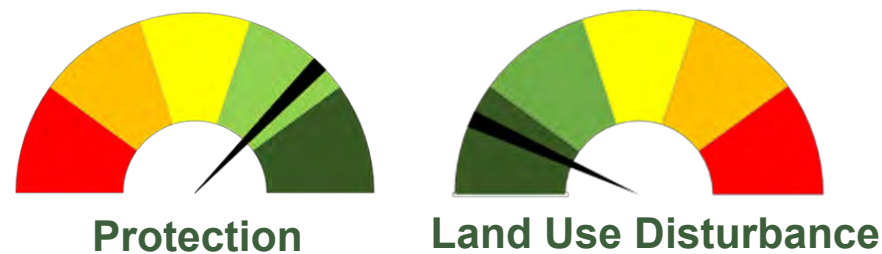
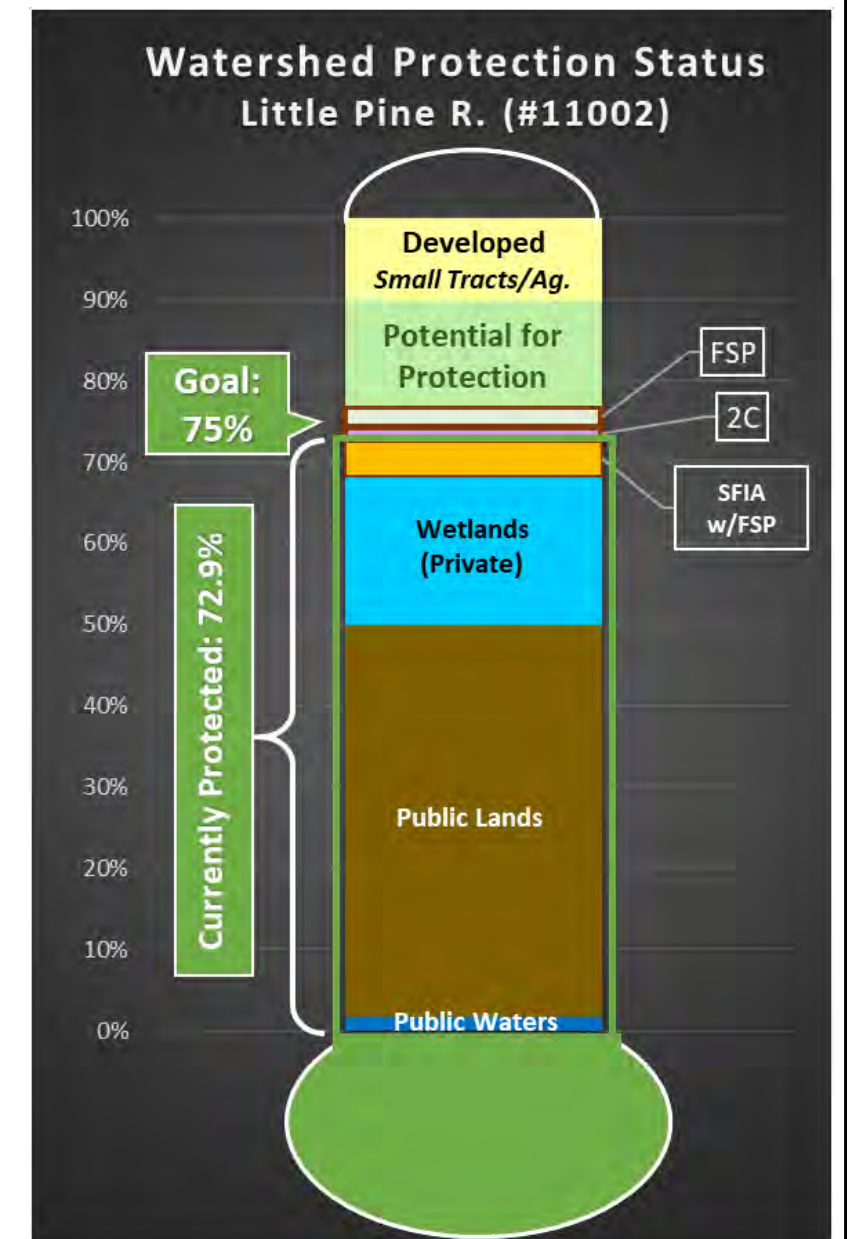
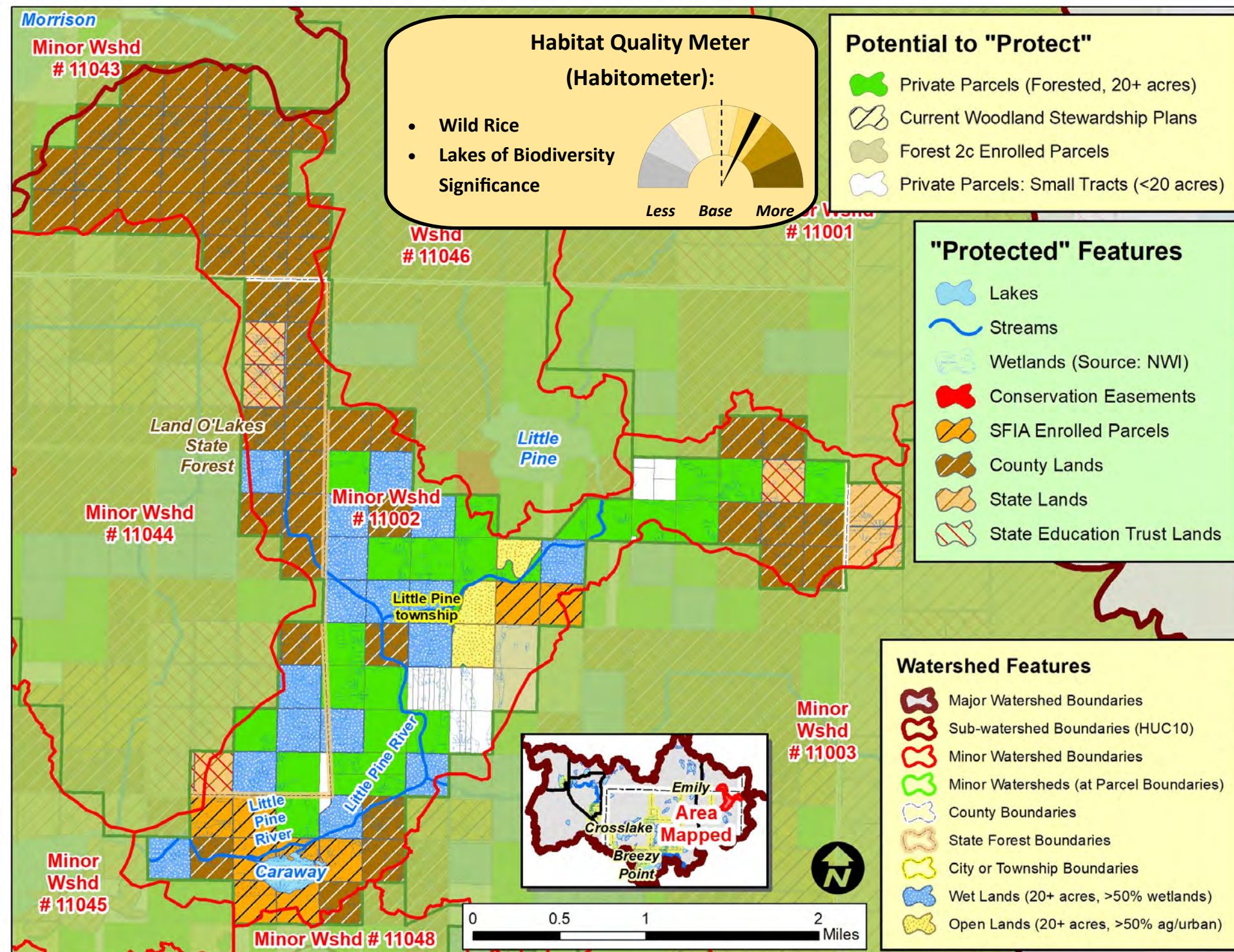
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
<b>General Advice &amp; Assistance</b> <ul style="list-style-type: none"> <li>Factsheets</li> <li>Poster / Mailers</li> <li>Workshops</li> <li>Website / Social Media</li> </ul>	<b>Specific Advice &amp; Assistance</b> <ul style="list-style-type: none"> <li>Site Visits</li> <li>Plans</li> <li>Landscape Stewardship</li> <li>Forest Stewardship Projects</li> </ul>	<b>Grants &amp; Cost-share Projects</b> <ul style="list-style-type: none"> <li>Tree Planting</li> <li>Bud Capping</li> <li>Timber Stand Improvement (Thinning)</li> </ul> <b>Forest Management</b> <ul style="list-style-type: none"> <li>Timber Sales</li> <li>High Priority Areas</li> <li>Clean Water/Habitat Fund</li> </ul>	<b>Local Land Use</b> <ul style="list-style-type: none"> <li>Riparian Buffers</li> <li>Voluntary Site Level Guidelines</li> <li>Zoning &amp; Official Controls</li> </ul> <b>Incentive Programs to Enroll Land</b> <ul style="list-style-type: none"> <li>SFIA</li> <li>2C Forest</li> <li>CRP</li> </ul> <b>Conservation Easements</b> <ul style="list-style-type: none"> <li>Donated</li> <li>Purchased</li> </ul> <b>Fee Title Public Land Acquisition</b> <ul style="list-style-type: none"> <li>Federal</li> <li>State</li> <li>County</li> </ul>
<p>Options</p> <p>Lower Costs, Less Permanent → Higher Costs, More Permanent</p>			



# What is the Potential to Protect the Little Pine River Minor Watershed (Minor 11002)?

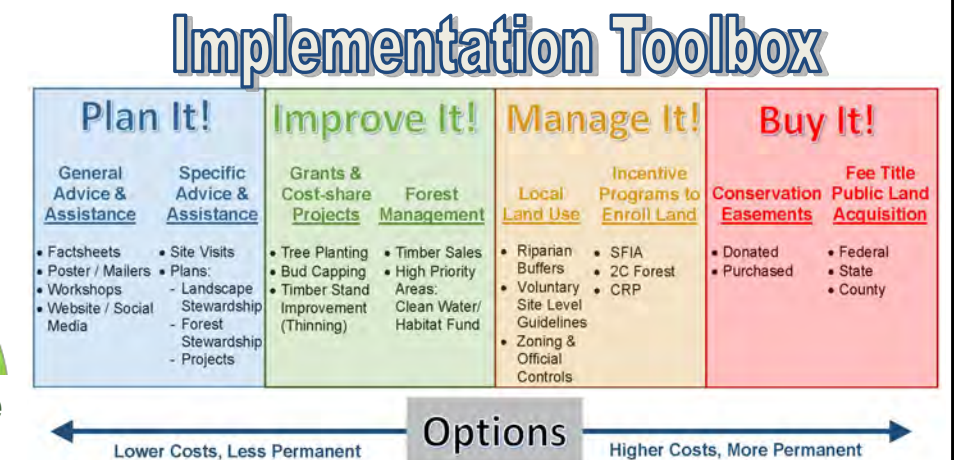
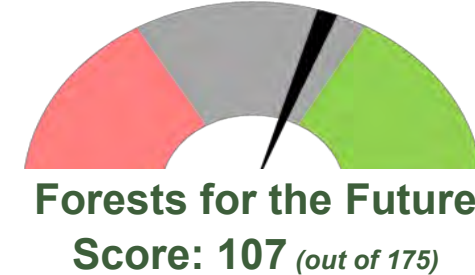


**Water Quality Trends / Impairments:**

Improving: None

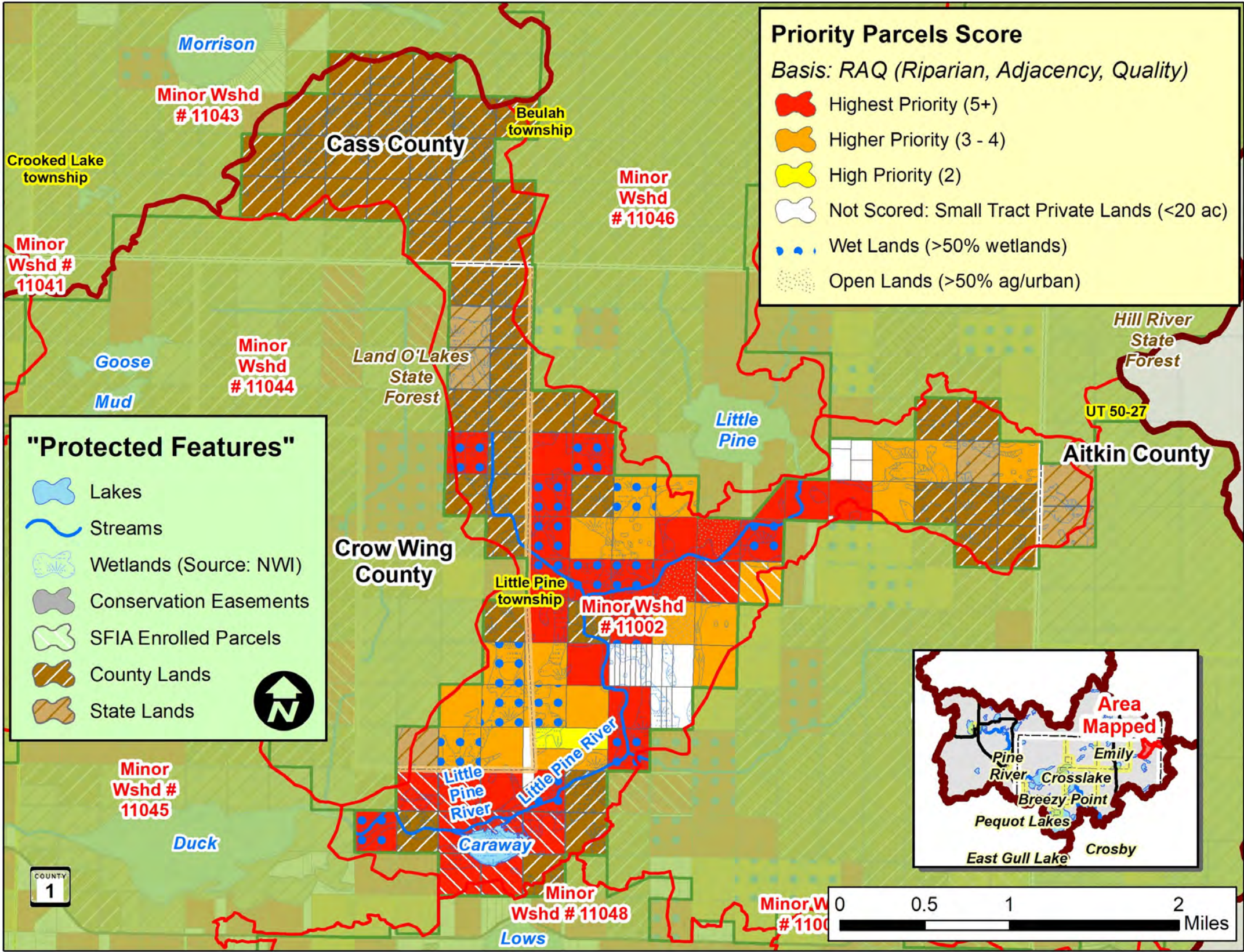
Declining: None, Impaired: None

Stable (No Trend): None





# RAQ Scoring for Parcels in the Little Pine River Minor Watershed (Minor #11002)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

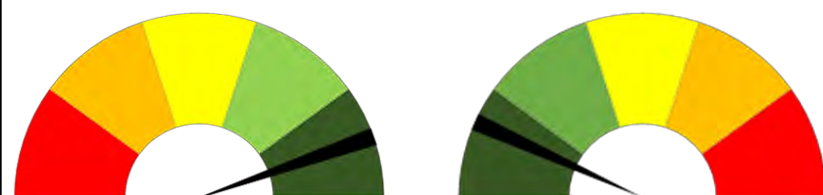
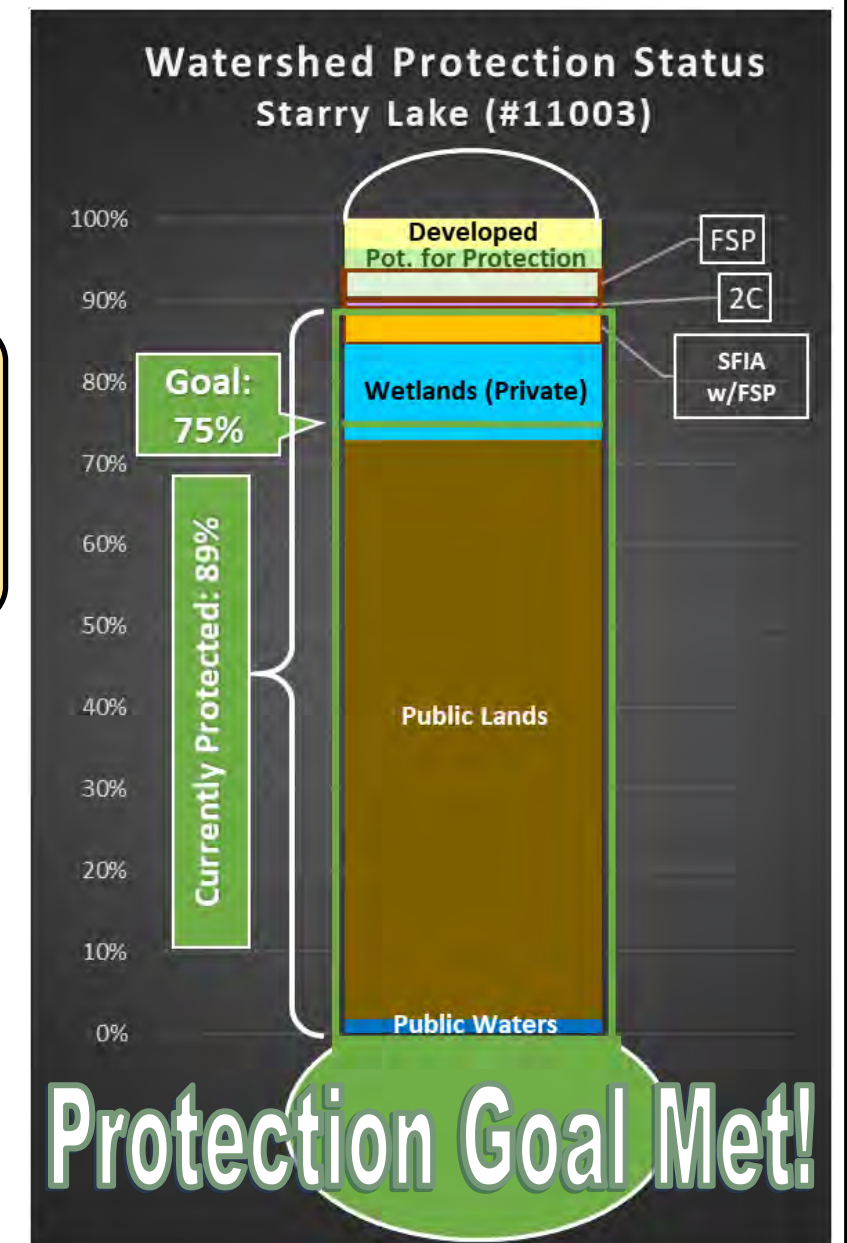
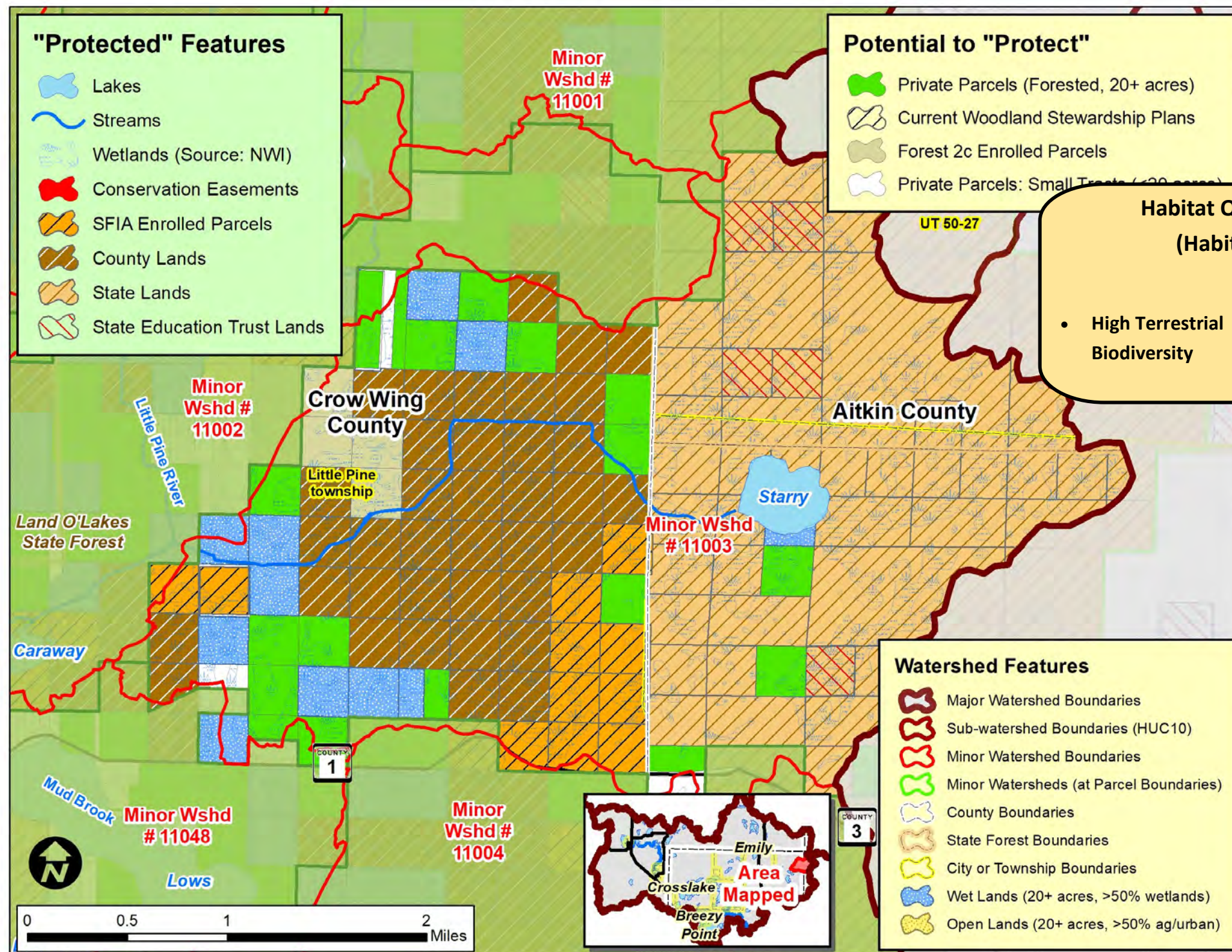
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
<b>General Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Factsheets</li><li>Poster / Mailers</li><li>Workshops</li><li>Website / Social Media</li></ul>	<b>Specific Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Site Visits</li><li>Plans</li><li>Landscape Stewardship</li><li>Forest Stewardship Projects</li></ul>	<b>Grants &amp; Cost-share Projects</b> <ul style="list-style-type: none"><li>Tree Planting</li><li>Bud Capping</li><li>Timber Stand Improvement (Thinning)</li></ul> <b>Forest Management</b> <ul style="list-style-type: none"><li>Timber Sales</li><li>High Priority Areas</li><li>Clean Water/Habitat Fund</li></ul>	<b>Local Land Use</b> <ul style="list-style-type: none"><li>Riparian Buffers</li><li>Voluntary Site Level Guidelines</li><li>Zoning &amp; Official Controls</li></ul> <b>Incentive Programs to Enroll Land</b> <ul style="list-style-type: none"><li>SFIA</li><li>2C Forest</li><li>CRP</li></ul> <b>Conservation Easements</b> <ul style="list-style-type: none"><li>Donated</li><li>Purchased</li></ul> <b>Fee Title Public Land Acquisition</b> <ul style="list-style-type: none"><li>Federal</li><li>State</li><li>County</li></ul>
Options			
Lower Costs, Less Permanent		Higher Costs, More Permanent	



# What is the Potential to Protect the Starry Lake Minor Watershed (Minor 11003)?

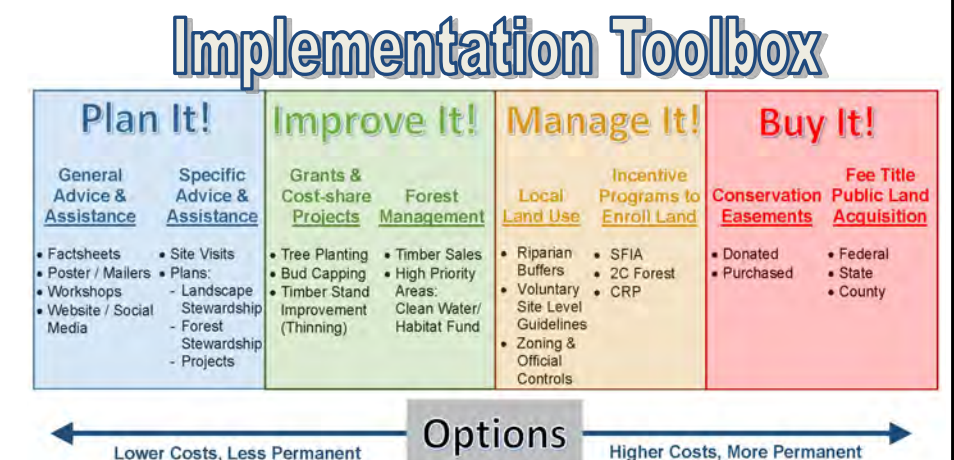


**Water Quality Trends / Impairments:**

Improving: None

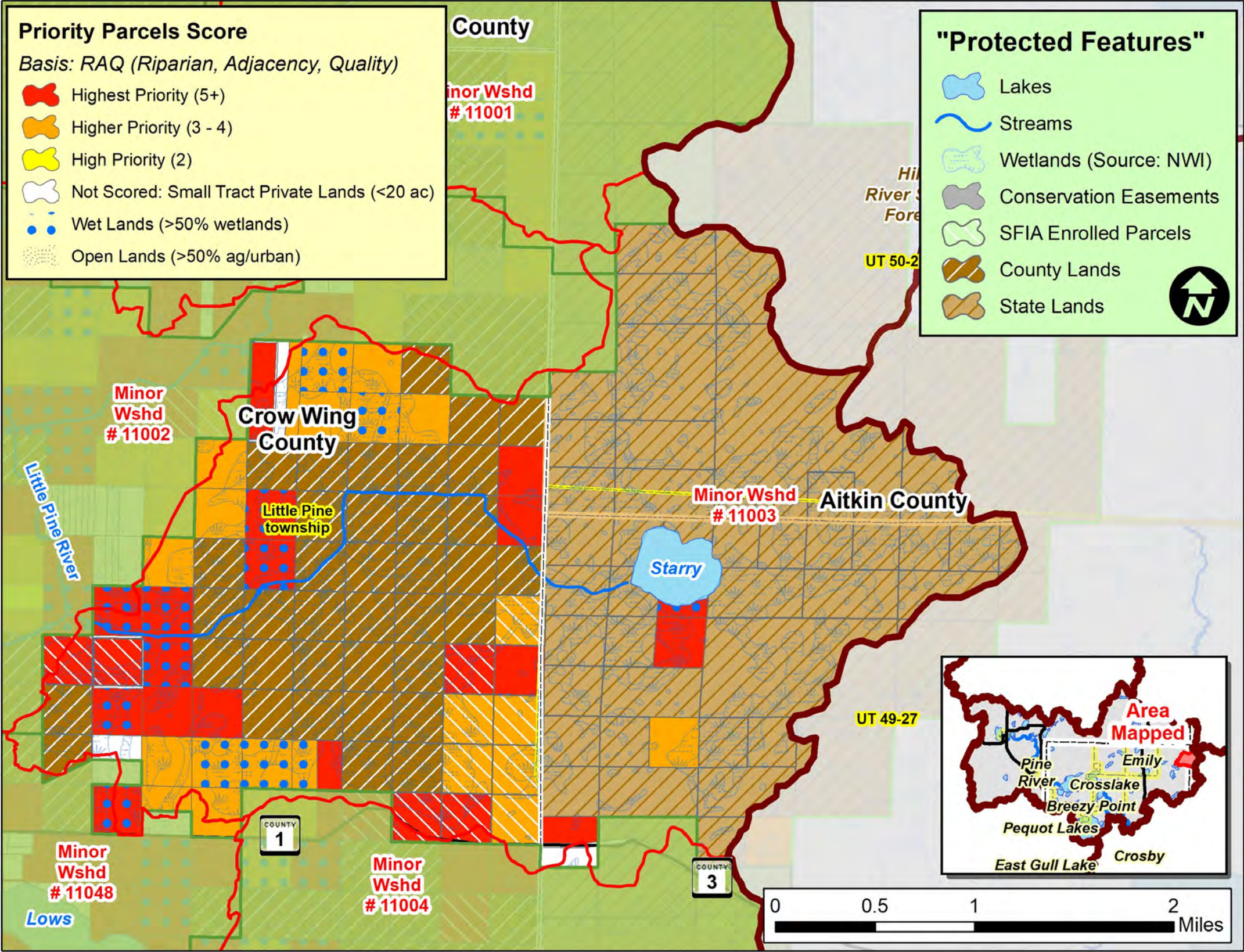
Declining: None, Impaired: None

Stable (No Trend): None





# RAQ Scoring for Parcels in the Starry Lake Minor Watershed (Minor #11003)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

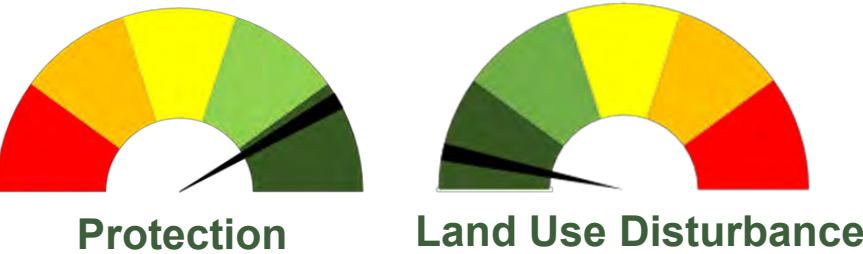
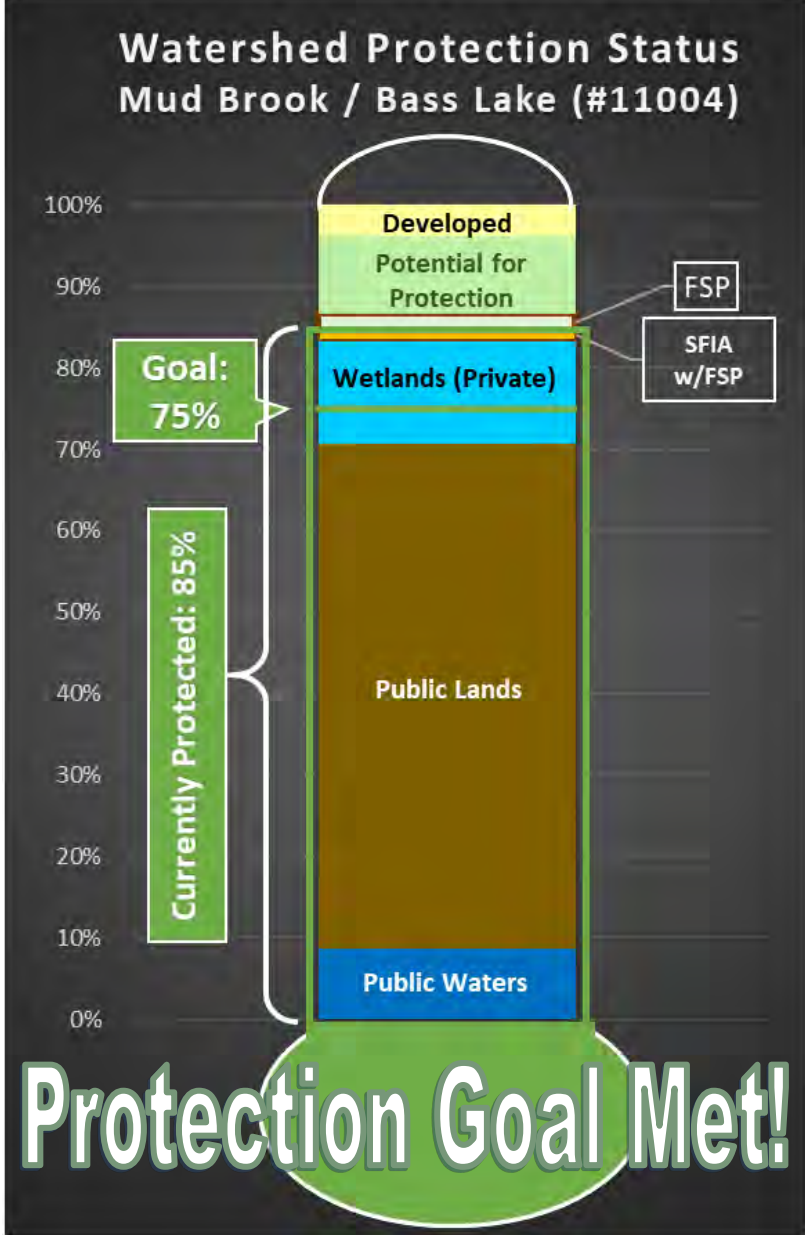
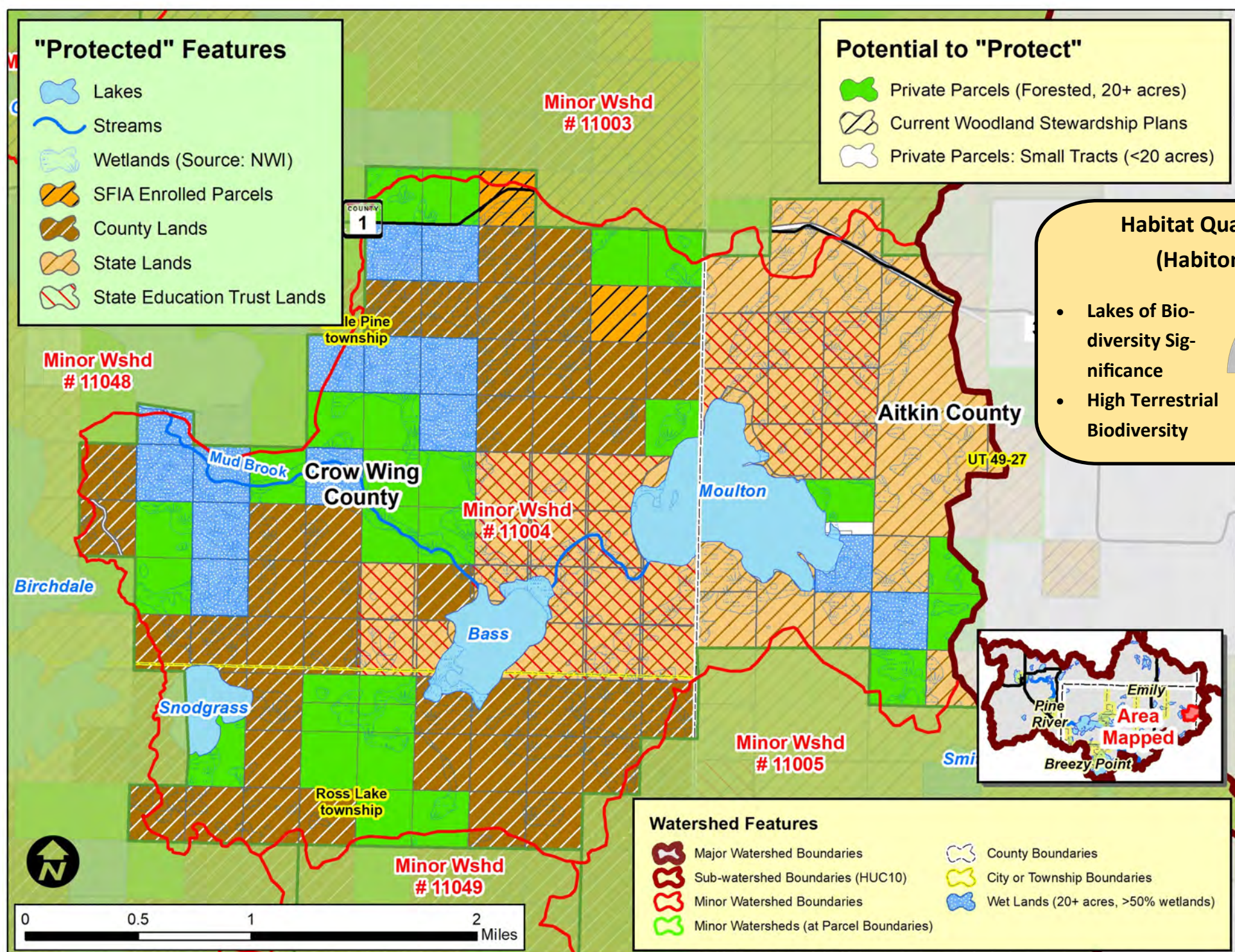
## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance	Specific Advice & Assistance	Grants & Cost-share Projects	Conservation Easements
Factsheets Poster / Mailers Workshops Website / Social Media	Site Visits Plans Landscape Stewardship Forest Stewardship Projects	Tree Planting Bud Capping Timber Stand Improvement (Thinning) Timber Sales High Priority Areas Clean Water/Habitat Fund	Local Land Use Incentive Programs to Enroll Land Riparian Buffers Voluntary Site Level Guidelines Zoning & Official Controls
			Fee Title Public Land Acquisition
			Donated Purchased Federal State County

Options: Lower Costs, Less Permanent → Higher Costs, More Permanent



# What is the Potential to Protect the Mud Brook / Bass Lake Minor Watershed (Minor 11004)?

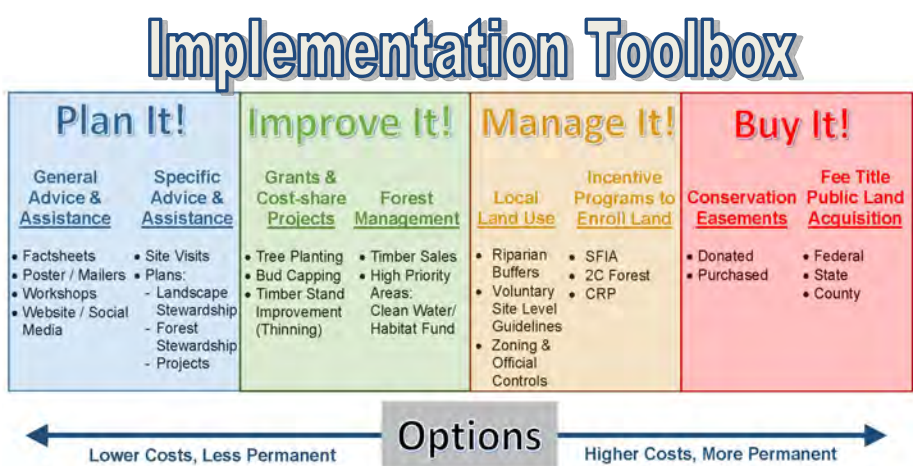


**Water Quality Trends / Impairments:**

Improving: None

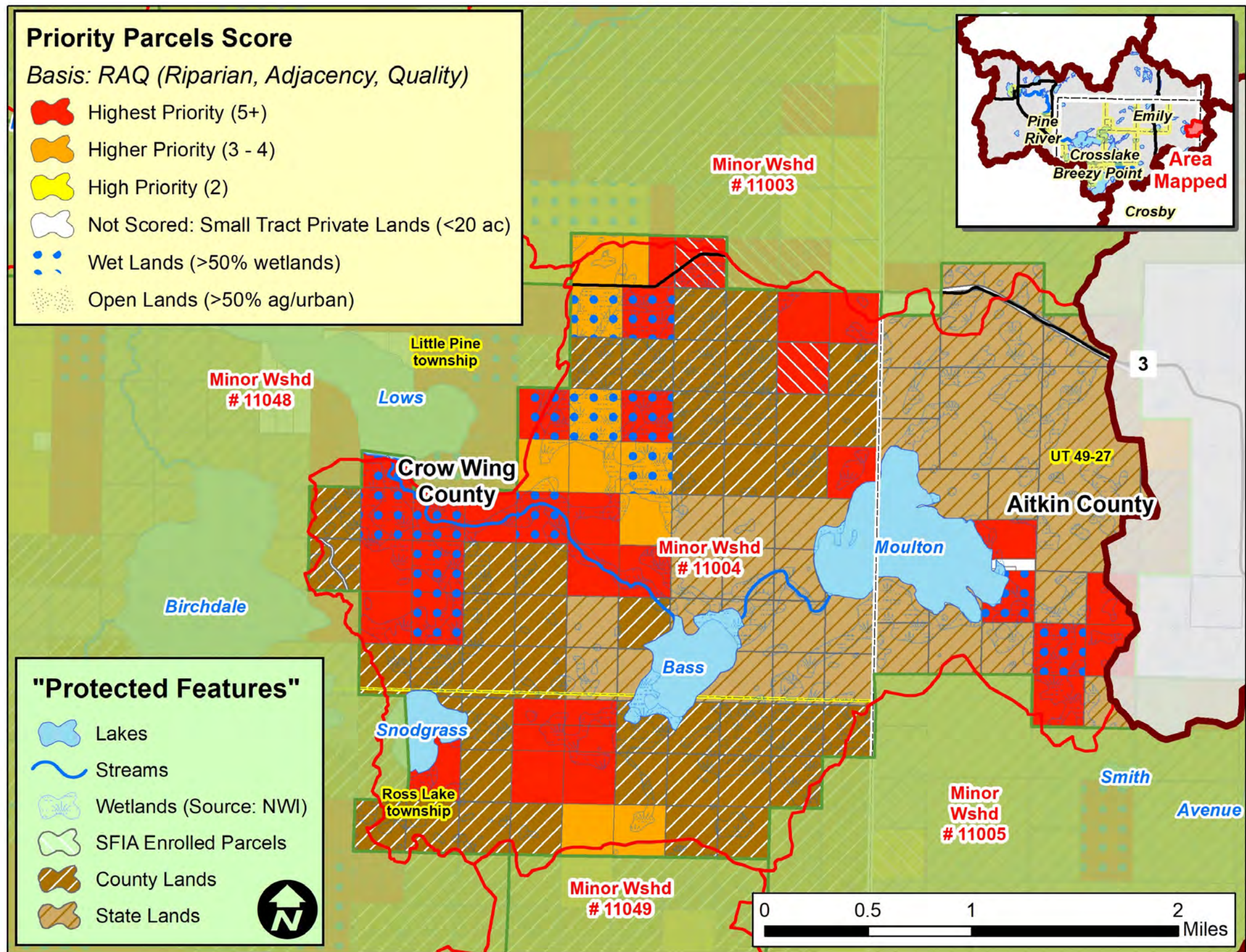
Declining/Impaired: None

Stable (No Trend): None





# RAQ Scoring for Parcels in the Mud Brook / Bass L. Minor Watershed (Minor #11004)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

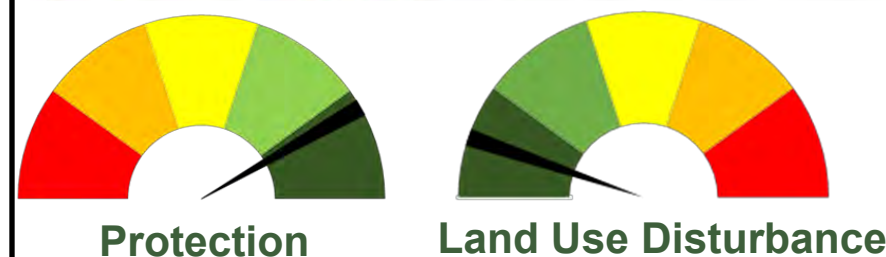
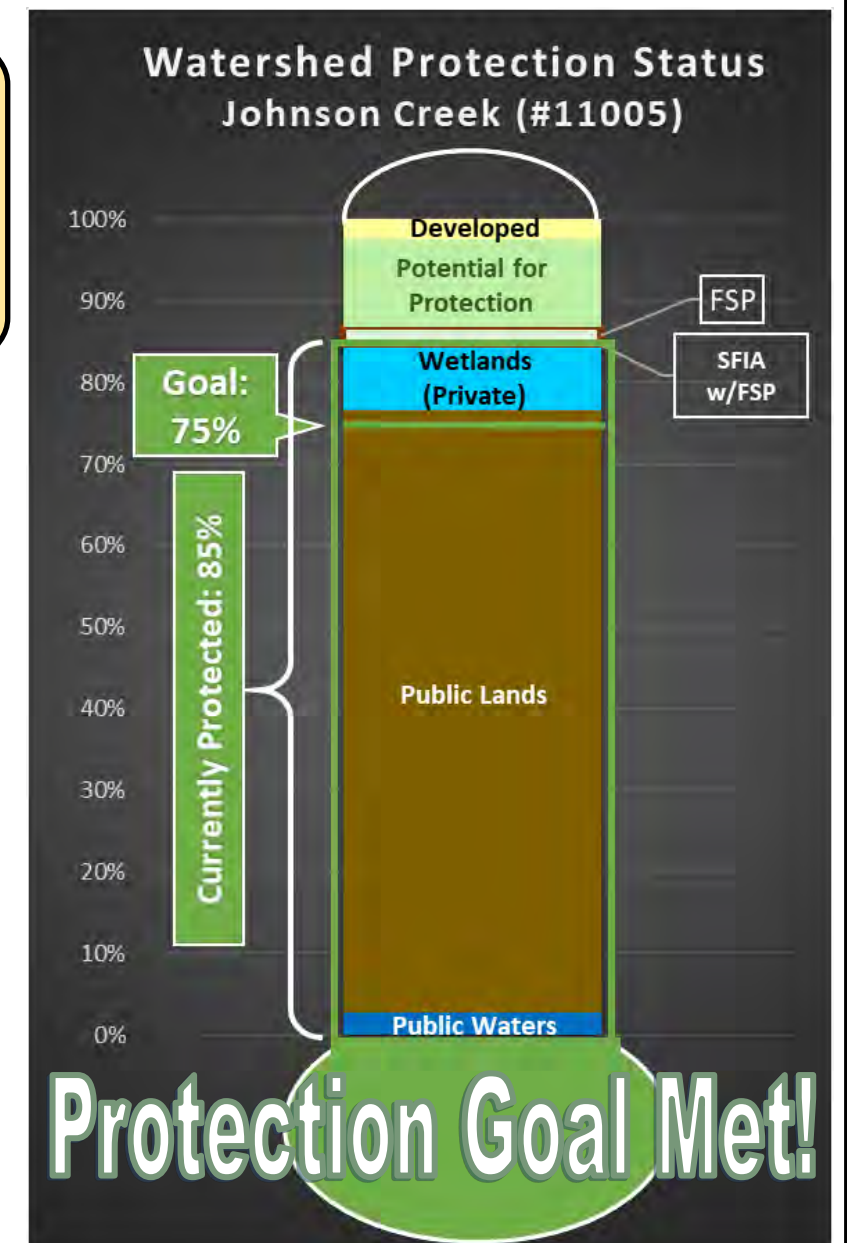
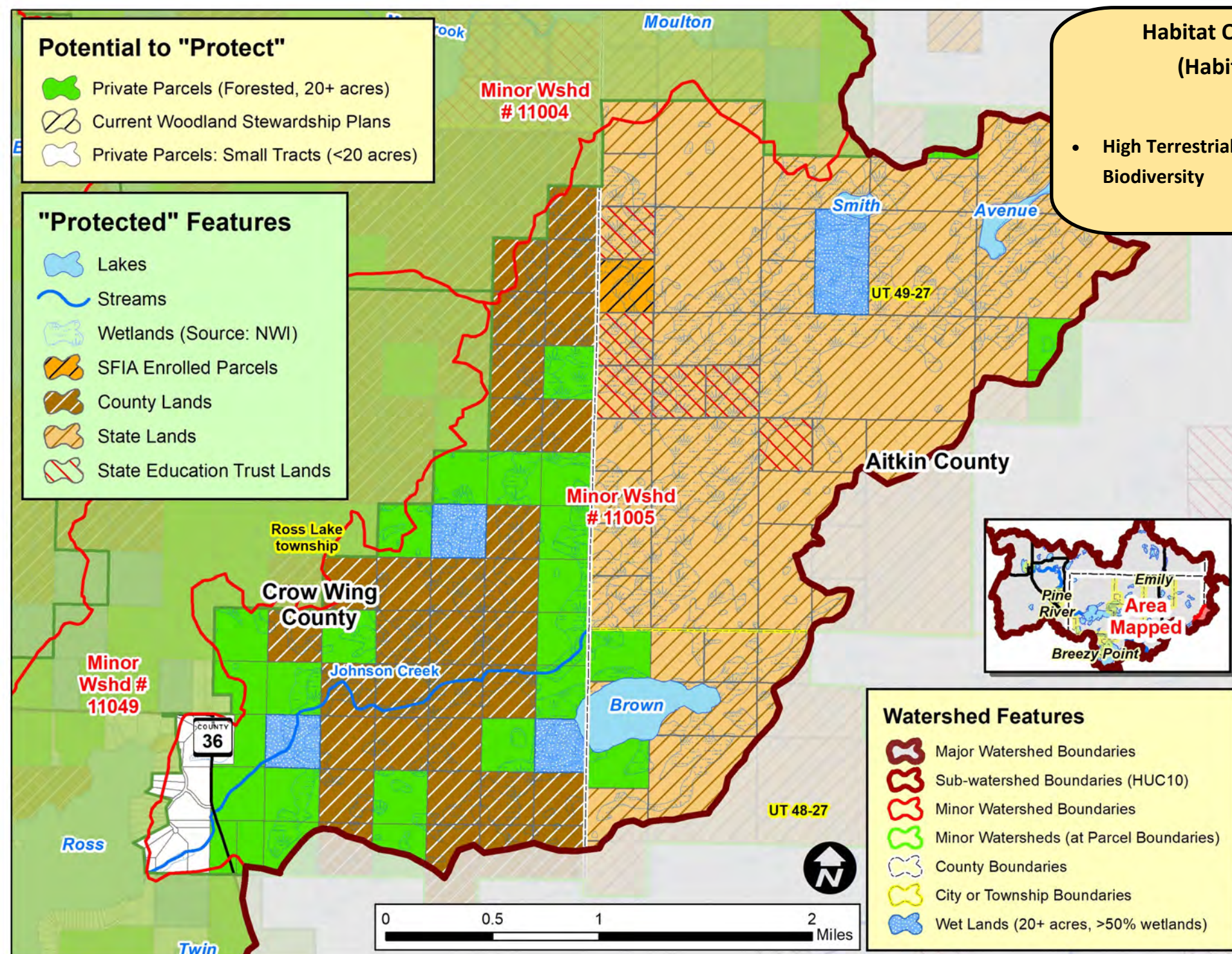
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
<b>General Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Factsheets</li><li>Poster / Mailers</li><li>Workshops</li><li>Website / Social Media</li></ul>	<b>Specific Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Site Visits</li><li>Plans: Landscape Stewardship - Forest Stewardship - Projects</li></ul>	<b>Grants &amp; Cost-share Projects</b> <ul style="list-style-type: none"><li>Tree Planting</li><li>Bud Capping</li><li>Timber Stand Improvement (Thinning)</li></ul> <b>Forest Management</b> <ul style="list-style-type: none"><li>Timber Sales</li><li>High Priority Areas</li><li>Clean Water/Habitat Fund</li></ul>	<b>Local Land Use</b> <ul style="list-style-type: none"><li>Riparian Buffers</li><li>Voluntary Site Level Guidelines</li><li>Zoning &amp; Official Controls</li></ul> <b>Incentive Programs to Enroll Land</b> <ul style="list-style-type: none"><li>SFIA</li><li>2C Forest</li><li>CRP</li></ul> <b>Conservation Easements</b> <ul style="list-style-type: none"><li>Donated</li><li>Purchased</li></ul> <b>Fee Title Public Land Acquisition</b> <ul style="list-style-type: none"><li>Federal</li><li>State</li><li>County</li></ul>
Options			
Lower Costs, Less Permanent		Higher Costs, More Permanent	



# What is the Potential to Protect the Johnson Creek Minor Watershed (Minor 11005)?

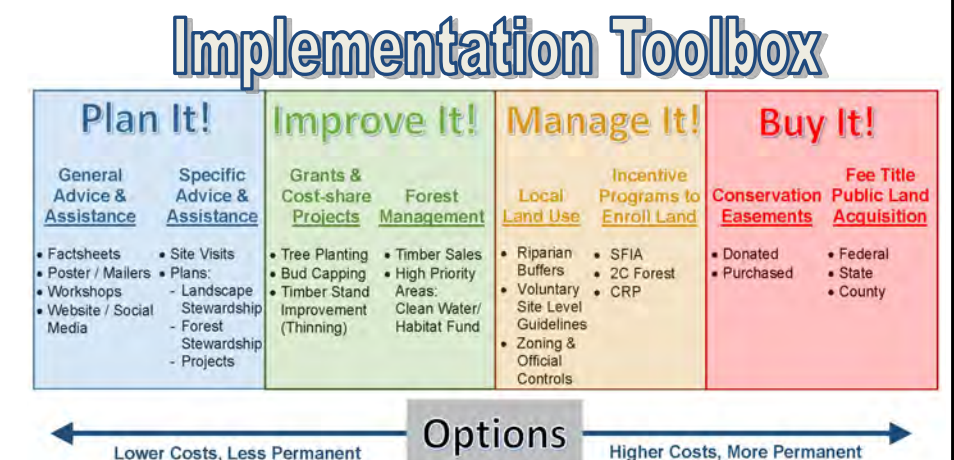


**Water Quality Trends / Impairments:**

Improving: None

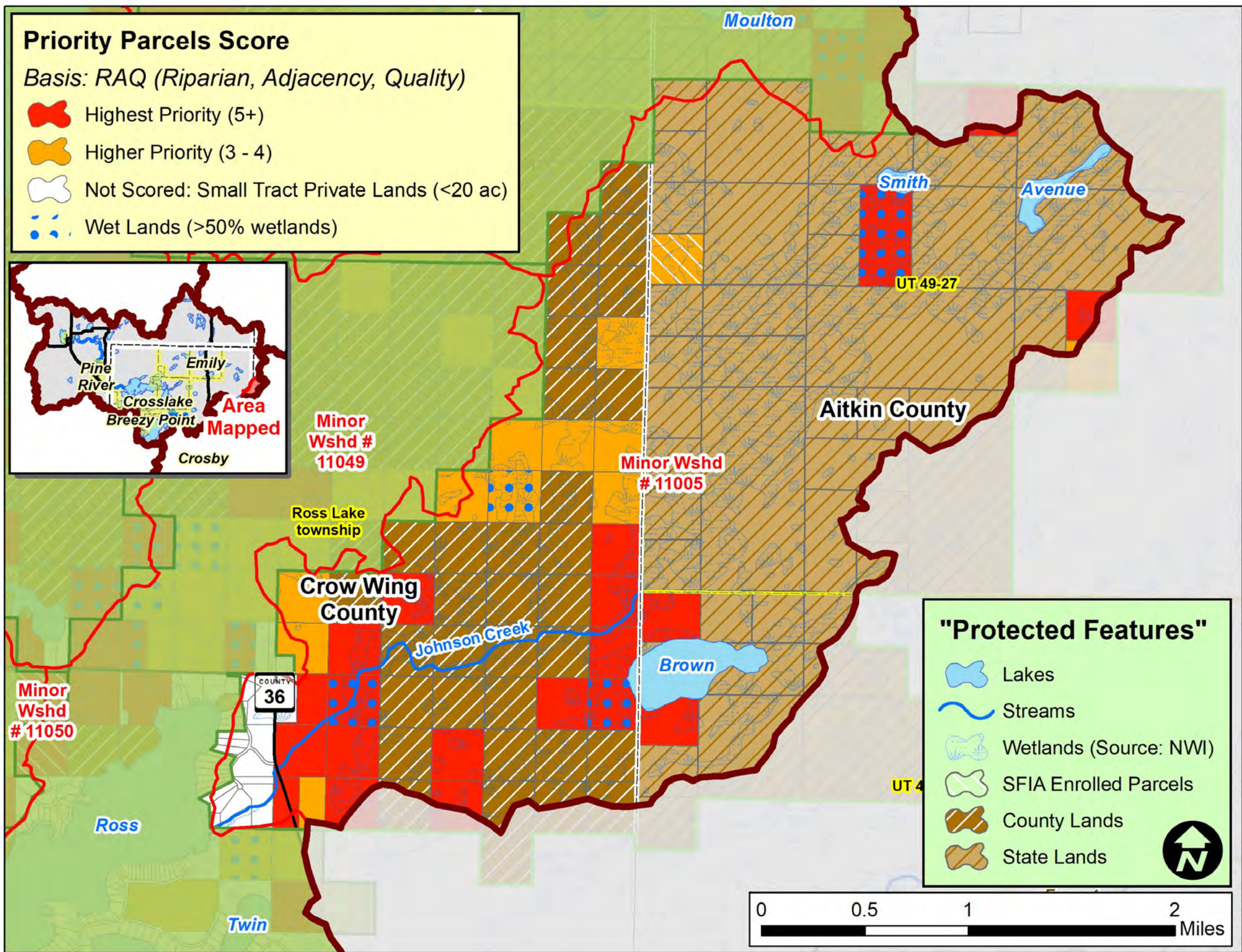
Declining: None, Impaired: None

Stable (No Trend): None





# RAQ Scoring for Parcels in the Johnson Creek Minor Watershed (Minor #11005)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

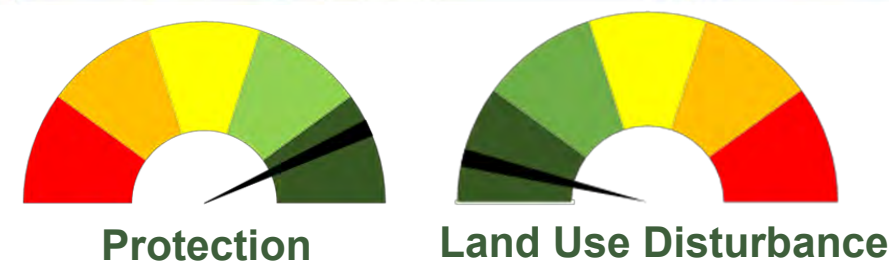
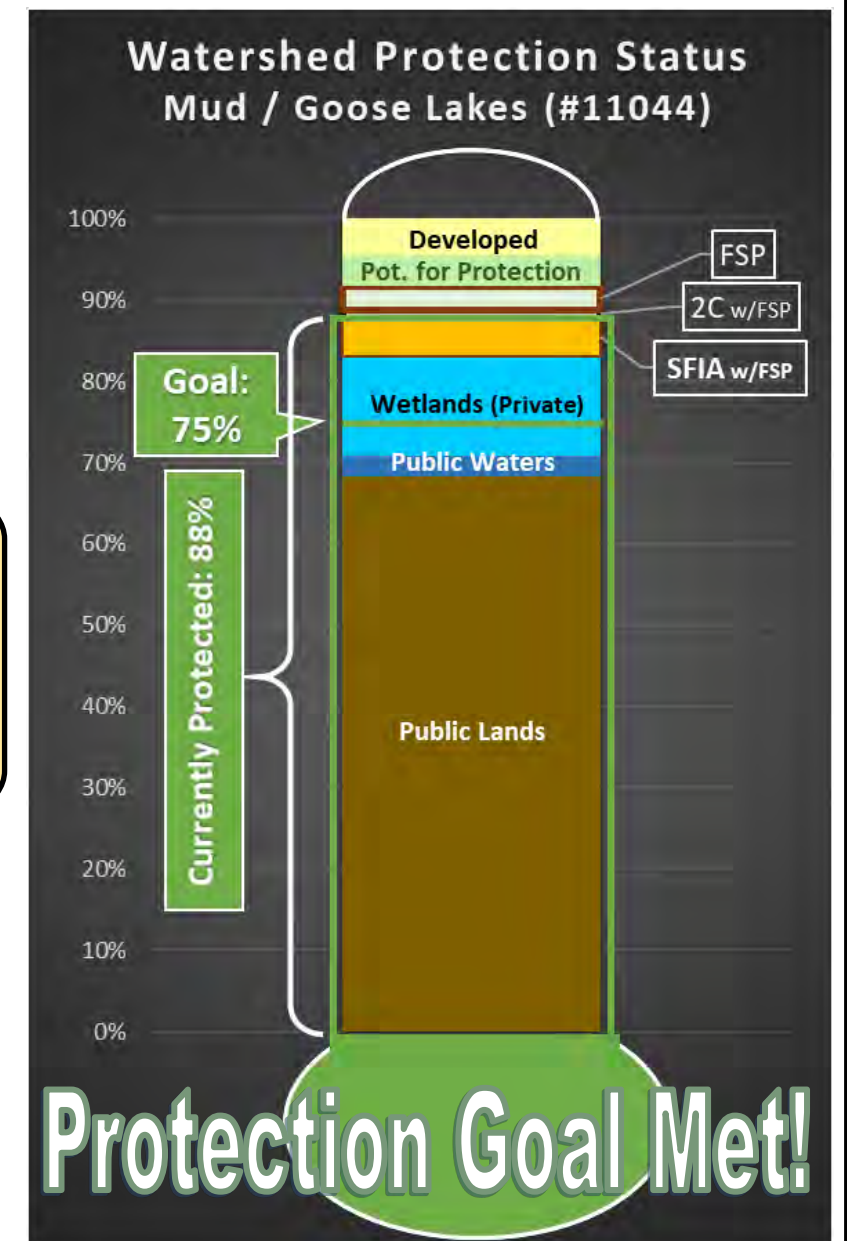
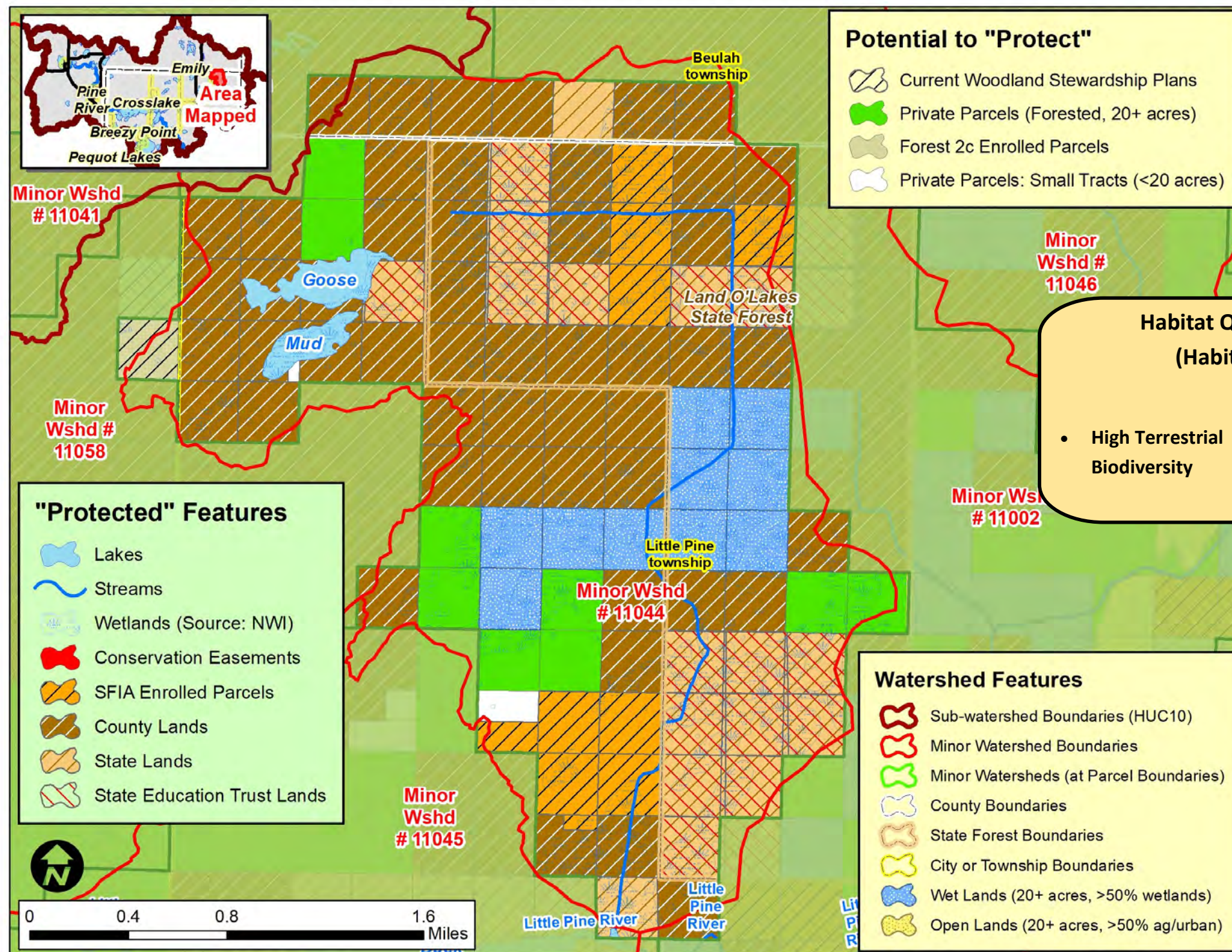
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
<b>General Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Factsheets</li><li>Poster / Mailers</li><li>Workshops</li><li>Website / Social Media</li></ul>	<b>Specific Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Site Visits</li><li>Plans: Landscape Stewardship - Forest Stewardship - Projects</li></ul>	<b>Grants &amp; Cost-share Projects</b> <ul style="list-style-type: none"><li>Tree Planting</li><li>Bud Capping</li><li>Timber Stand Improvement (Thinning)</li></ul> <b>Forest Management</b> <ul style="list-style-type: none"><li>Timber Sales</li><li>High Priority Areas</li><li>Clean Water/ Habitat Fund</li></ul>	<b>Local Land Use</b> <ul style="list-style-type: none"><li>Riparian Buffers</li><li>Voluntary Site Level Guidelines</li><li>Zoning &amp; Official Controls</li></ul> <b>Incentive Programs to Enroll Land</b> <ul style="list-style-type: none"><li>SFIA</li><li>2C Forest</li><li>CRP</li></ul> <b>Conservation Easements</b> <ul style="list-style-type: none"><li>Donated</li><li>Purchased</li></ul> <b>Fee Title Public Land Acquisition</b> <ul style="list-style-type: none"><li>Federal</li><li>State</li><li>County</li></ul>
Options			
Lower Costs, Less Permanent		Higher Costs, More Permanent	



# What is the Potential to Protect the Mud / Goose Lakes Minor Watershed (Minor 11044)?

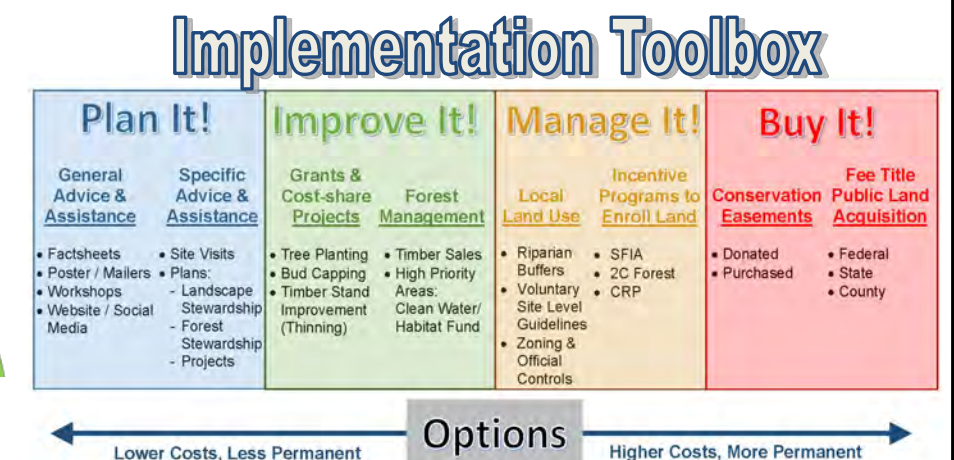
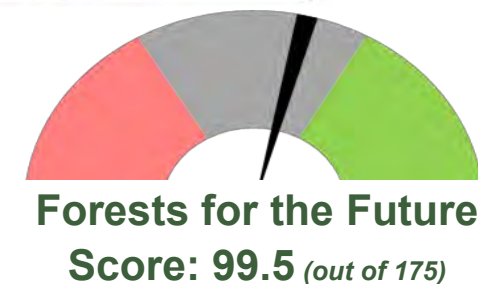


**Water Quality Trends / Impairments:**

Improving: None

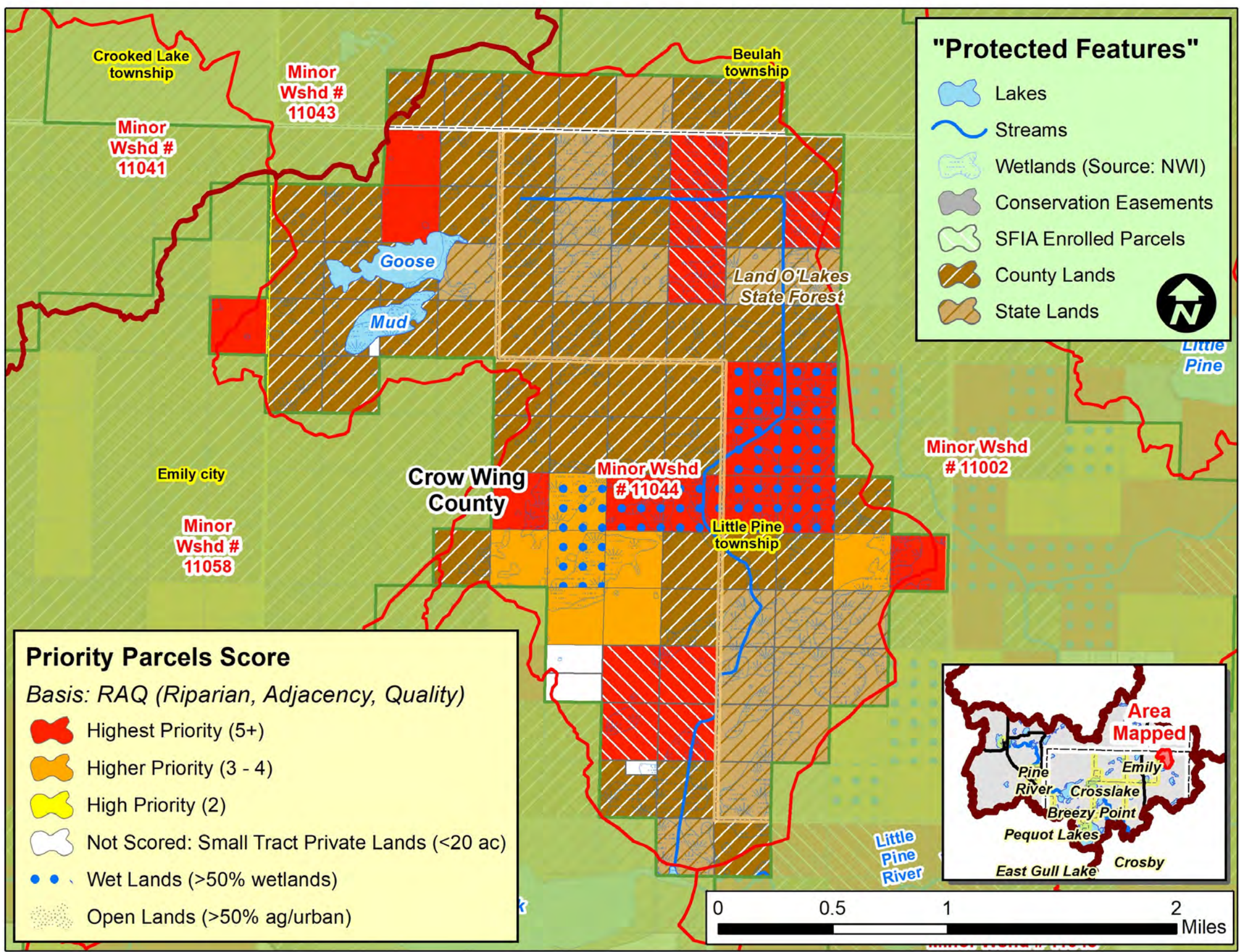
Declining: None, Impaired: None

Stable (No Trend): None





# RAQ Scoring for Parcels in the Mud / Goose Lakes Minor Watershed (Minor #11044)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

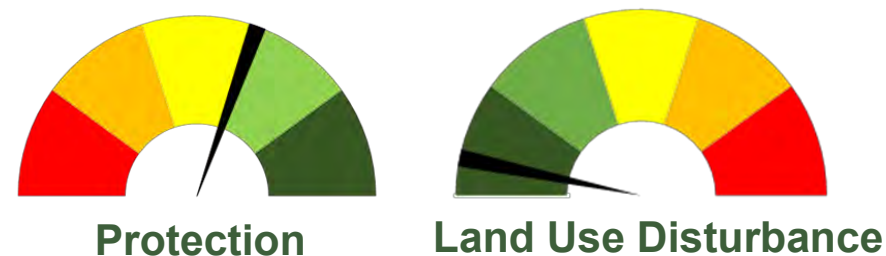
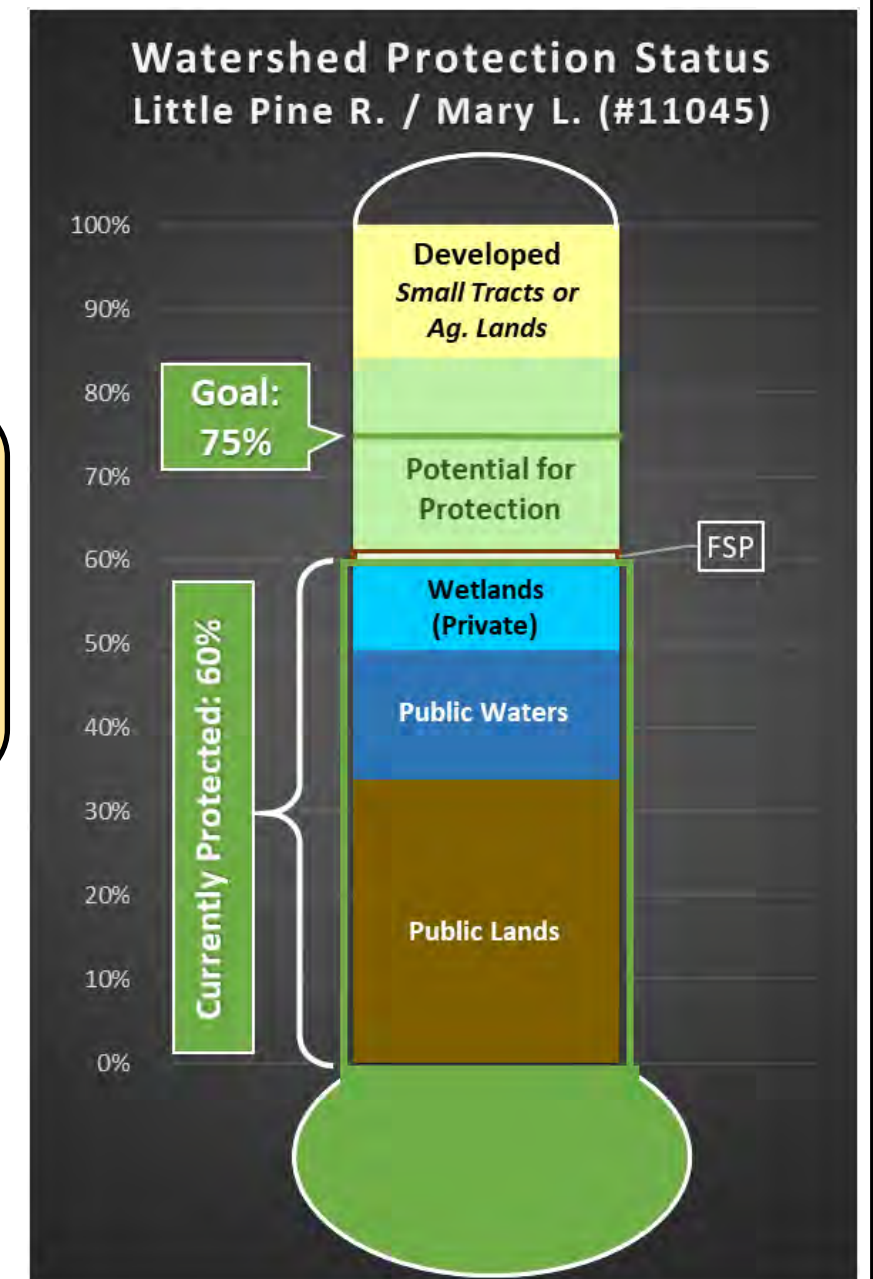
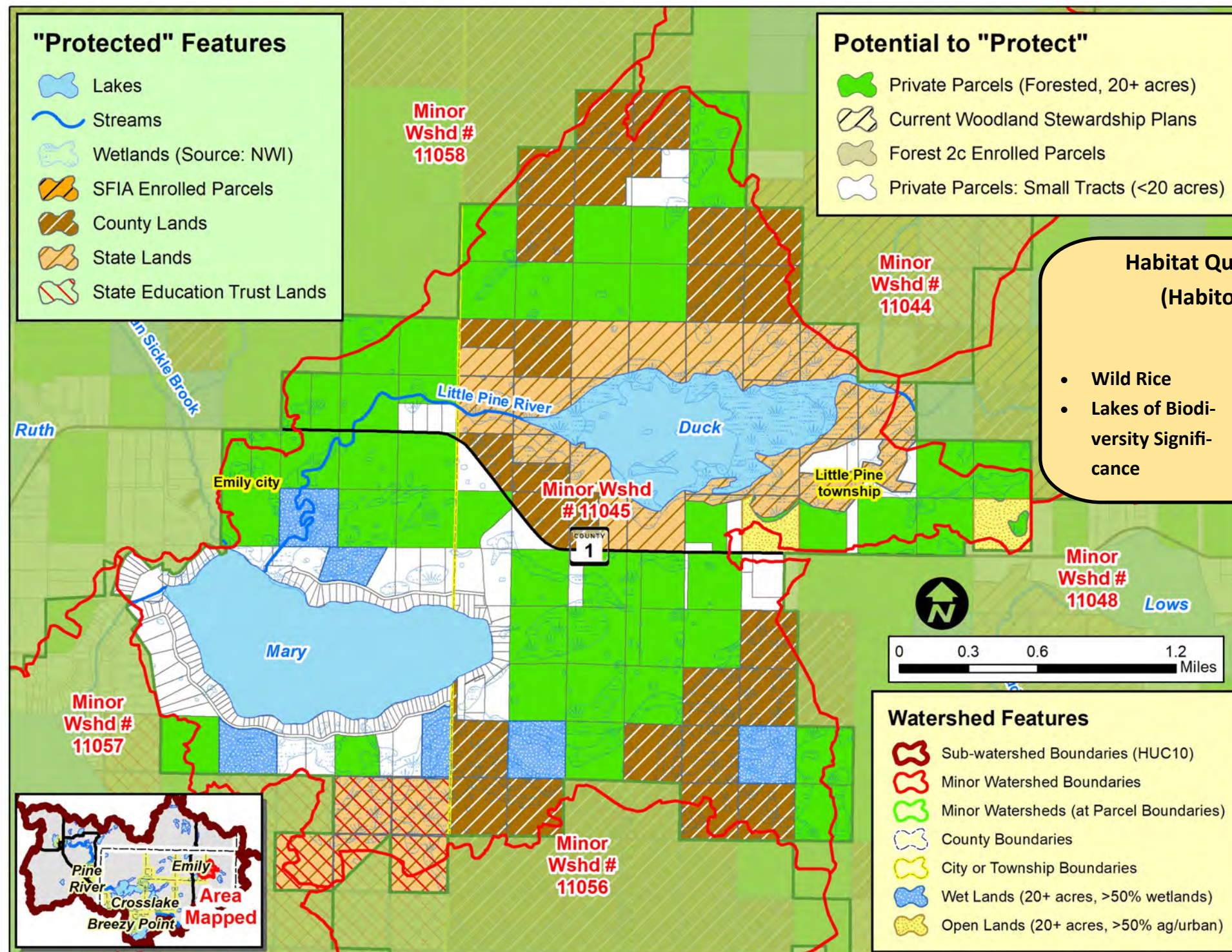
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
<b>General Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>• Factsheets</li><li>• Poster / Mailers</li><li>• Workshops</li><li>• Website / Social Media</li></ul>	<b>Specific Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>• Site Visits</li><li>• Plans</li><li>• Landscape Stewardship</li><li>• Forest Stewardship Projects</li></ul>	<b>Grants &amp; Cost-share Projects</b> <ul style="list-style-type: none"><li>• Tree Planting</li><li>• Bud Capping</li><li>• Timber Stand Improvement (Thinning)</li></ul> <b>Forest Management</b> <ul style="list-style-type: none"><li>• Timber Sales</li><li>• High Priority Areas</li><li>• Clean Water/Habitat Fund</li></ul>	<b>Local Land Use</b> <ul style="list-style-type: none"><li>• Riparian Buffers</li><li>• Voluntary Site Level Guidelines</li><li>• Zoning &amp; Official Controls</li></ul> <b>Incentive Programs to Enroll Land</b> <ul style="list-style-type: none"><li>• SFIA</li><li>• 2C Forest</li><li>• CRP</li></ul> <b>Conservation Easements</b> <ul style="list-style-type: none"><li>• Donated</li><li>• Purchased</li></ul> <b>Fee Title Public Land Acquisition</b> <ul style="list-style-type: none"><li>• Federal</li><li>• State</li><li>• County</li></ul>
Options			
Lower Costs, Less Permanent		Higher Costs, More Permanent	



# What is the Potential to Protect the Little Pine R. / Mary L. Minor Watershed (Minor 11045)?

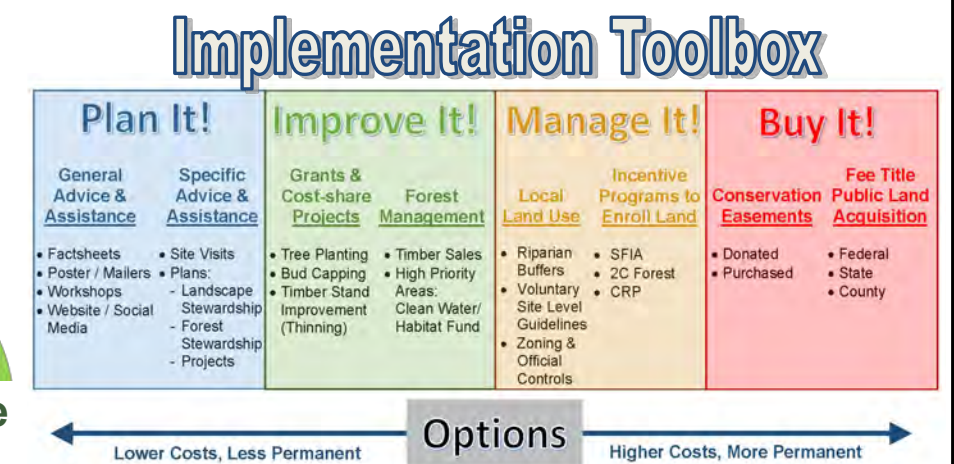


**Water Quality Trends / Impairments:**

Improving: None

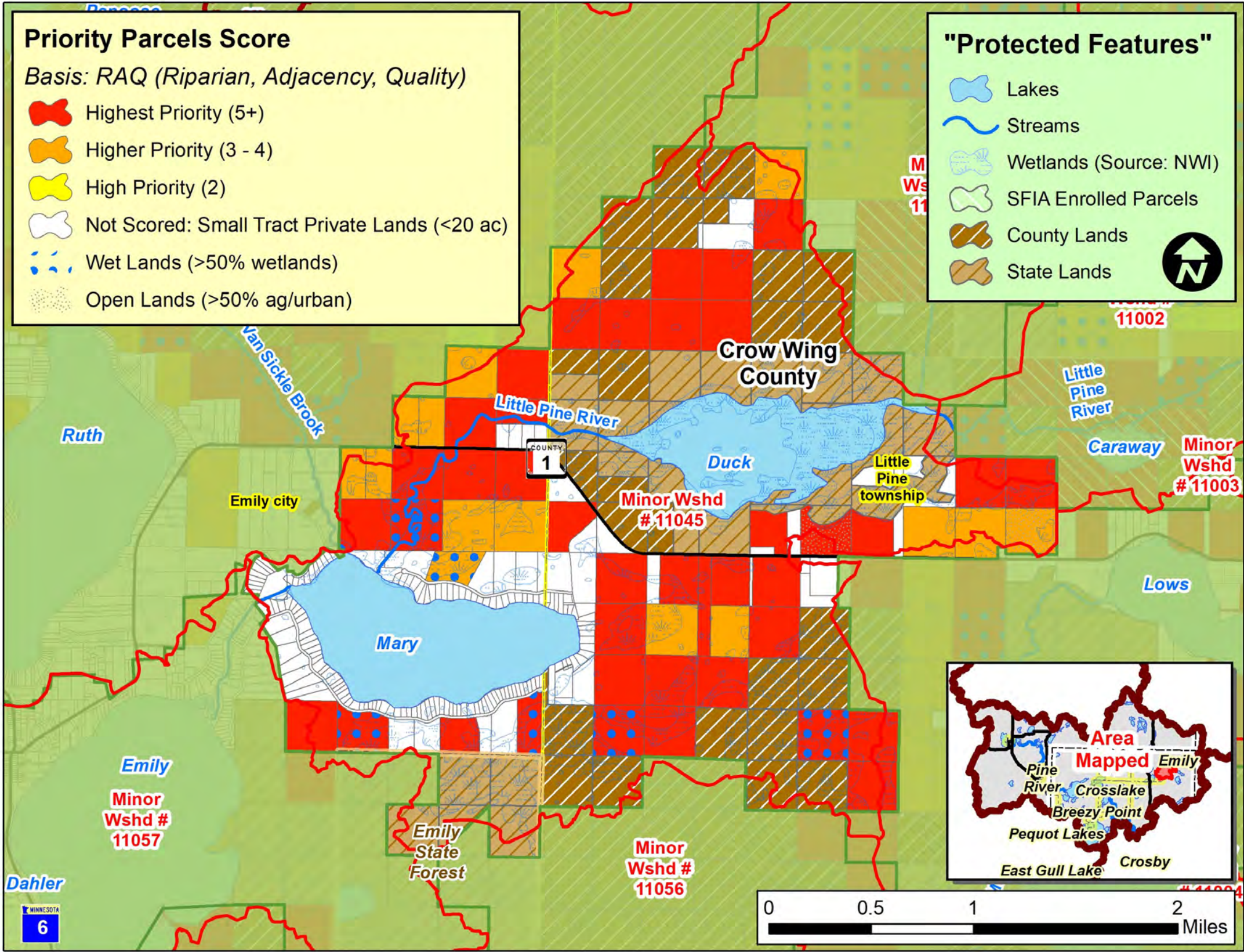
Declining: Mary Lake, Impaired: None

Stable (No Trend): None





# RAQ Scoring for Parcels in the Little Pine R. / Mary L. Minor Watershed (Minor #11045)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

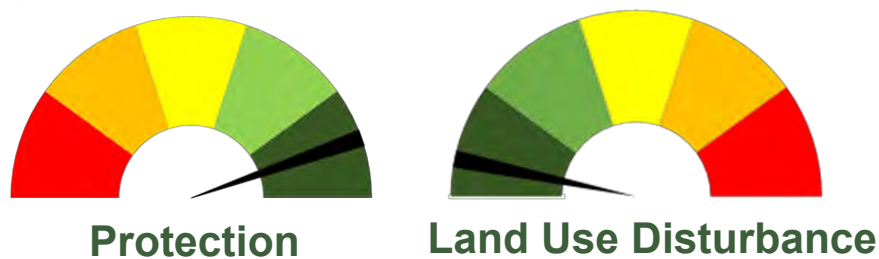
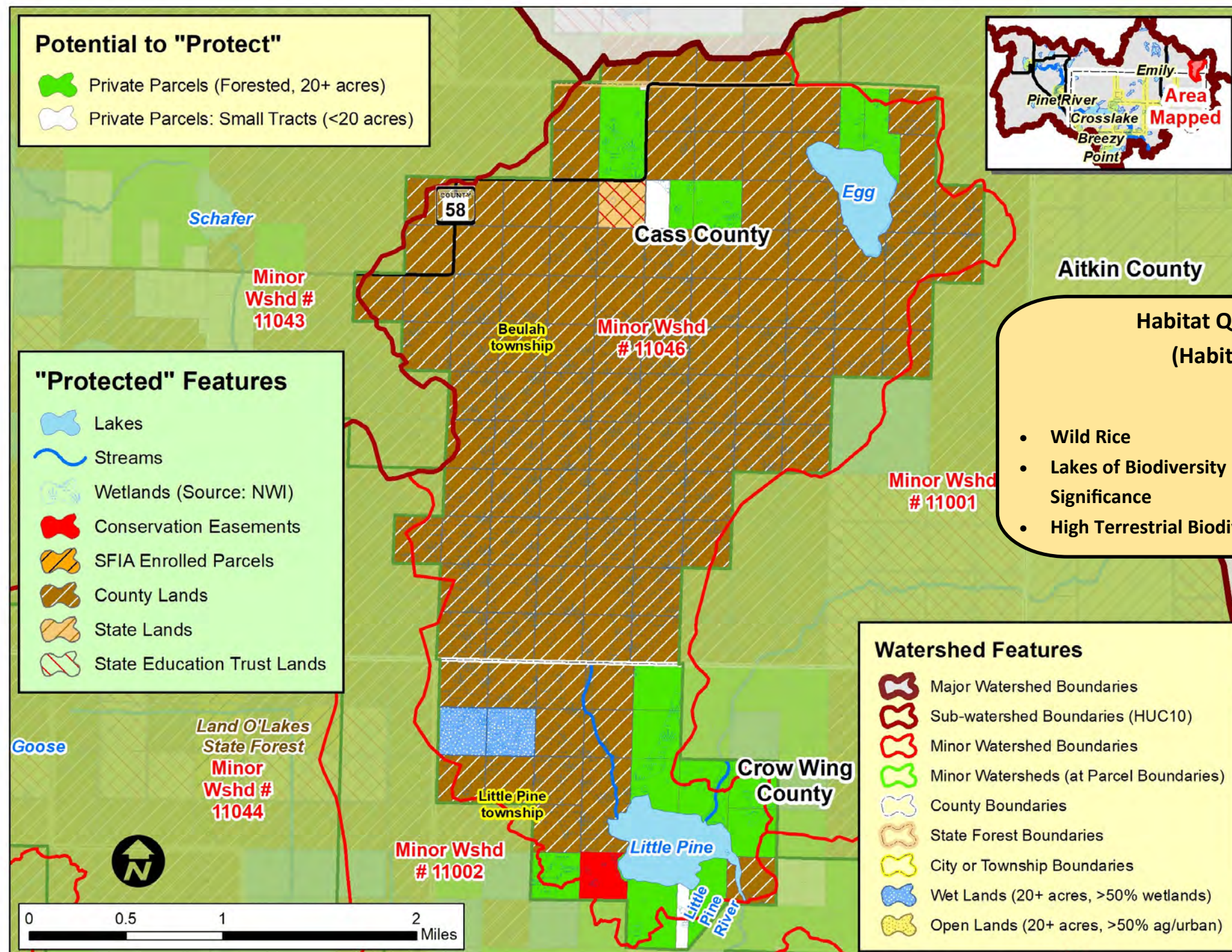
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
<b>General Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Factsheets</li><li>Poster / Mailers</li><li>Workshops</li><li>Website / Social Media</li></ul>	<b>Specific Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Site Visits</li><li>Plans: - Landscape Stewardship - Forest Stewardship - Projects</li></ul>	<b>Grants &amp; Cost-share Projects</b> <ul style="list-style-type: none"><li>Tree Planting</li><li>Bud Capping</li><li>Timber Stand Improvement (Thinning)</li></ul> <b>Forest Management</b> <ul style="list-style-type: none"><li>Timber Sales</li><li>High Priority Areas</li><li>Clean Water/Habitat Fund</li></ul>	<b>Local Land Use</b> <ul style="list-style-type: none"><li>Riparian Buffers</li><li>Voluntary Site Level Guidelines</li><li>Zoning &amp; Official Controls</li></ul> <b>Incentive Programs to Enroll Land</b> <ul style="list-style-type: none"><li>SFIA</li><li>2C Forest</li><li>CRP</li></ul> <b>Conservation Easements</b> <ul style="list-style-type: none"><li>Donated</li><li>Purchased</li></ul> <b>Fee Title Public Land Acquisition</b> <ul style="list-style-type: none"><li>Federal</li><li>State</li><li>County</li></ul>
Options			
Lower Costs, Less Permanent		Higher Costs, More Permanent	



# What is the Potential to Protect the Little Pine Lake Minor Watershed (Minor 11046)?

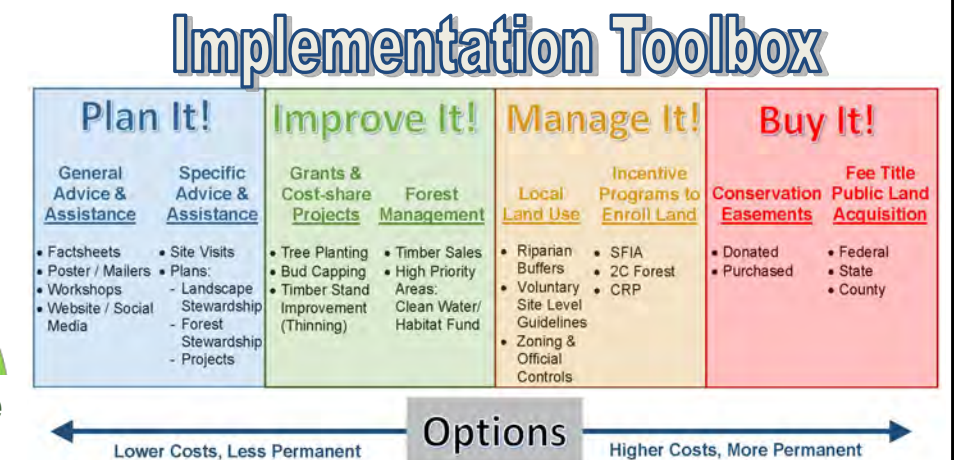
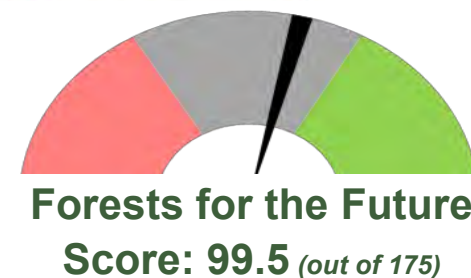


**Water Quality Trends / Impairments:**

Improving: None

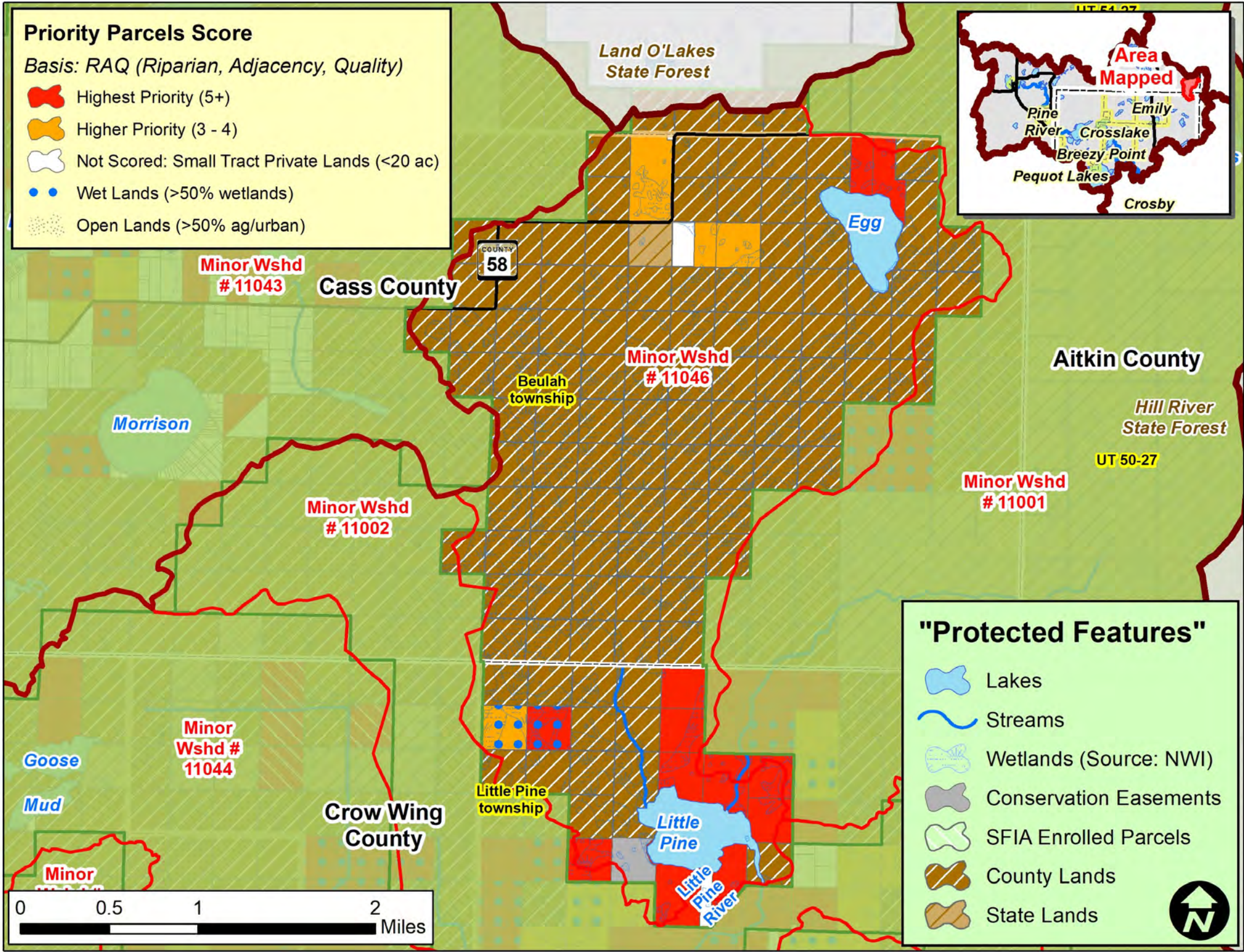
Declining: None, Impaired: None

Stable (No Trend): None





# RAQ Scoring for Parcels in the Little Pine Lake Minor Watershed (Minor #11046)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

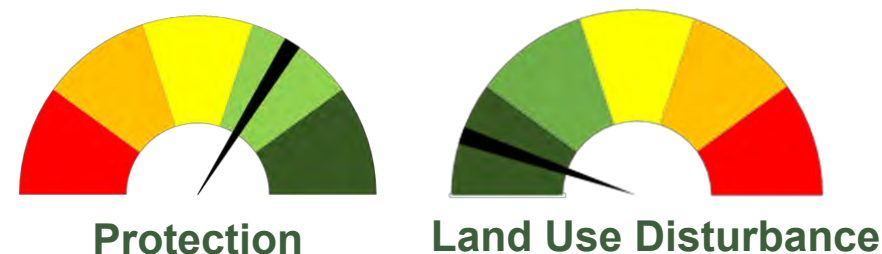
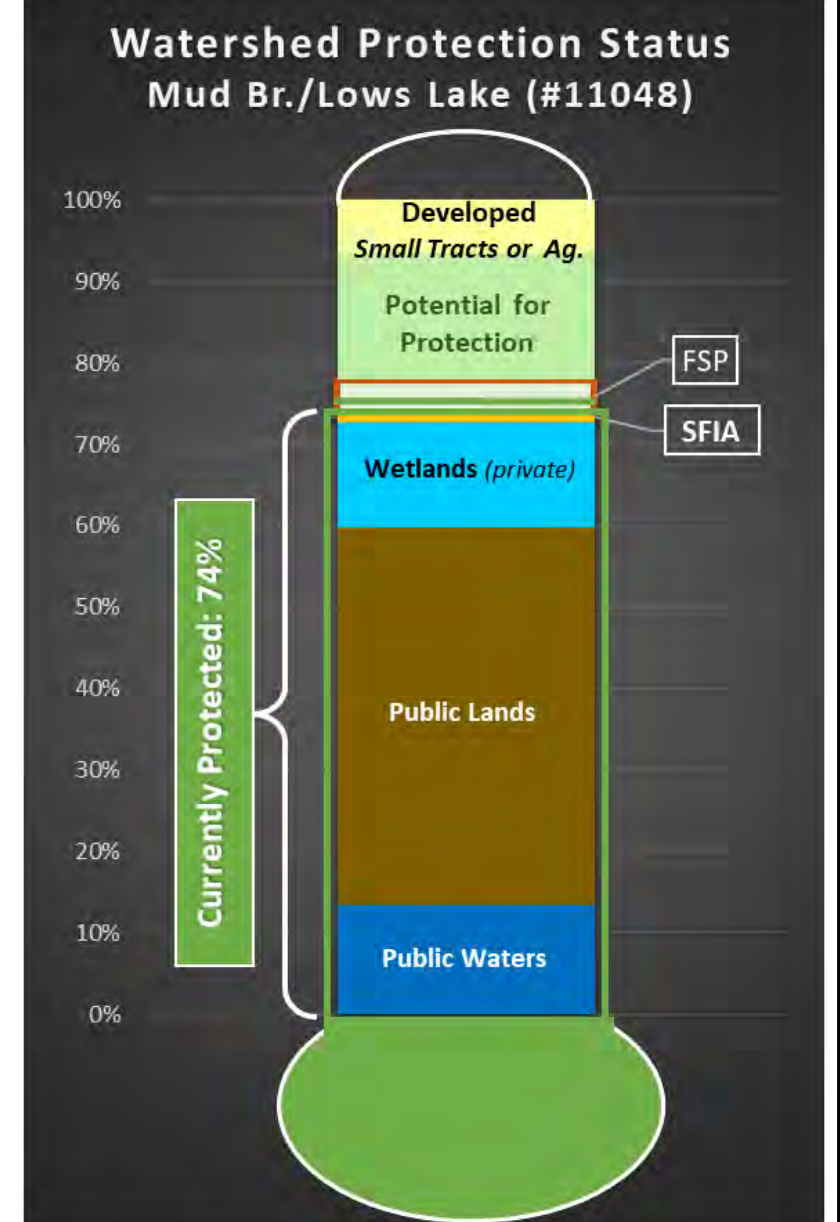
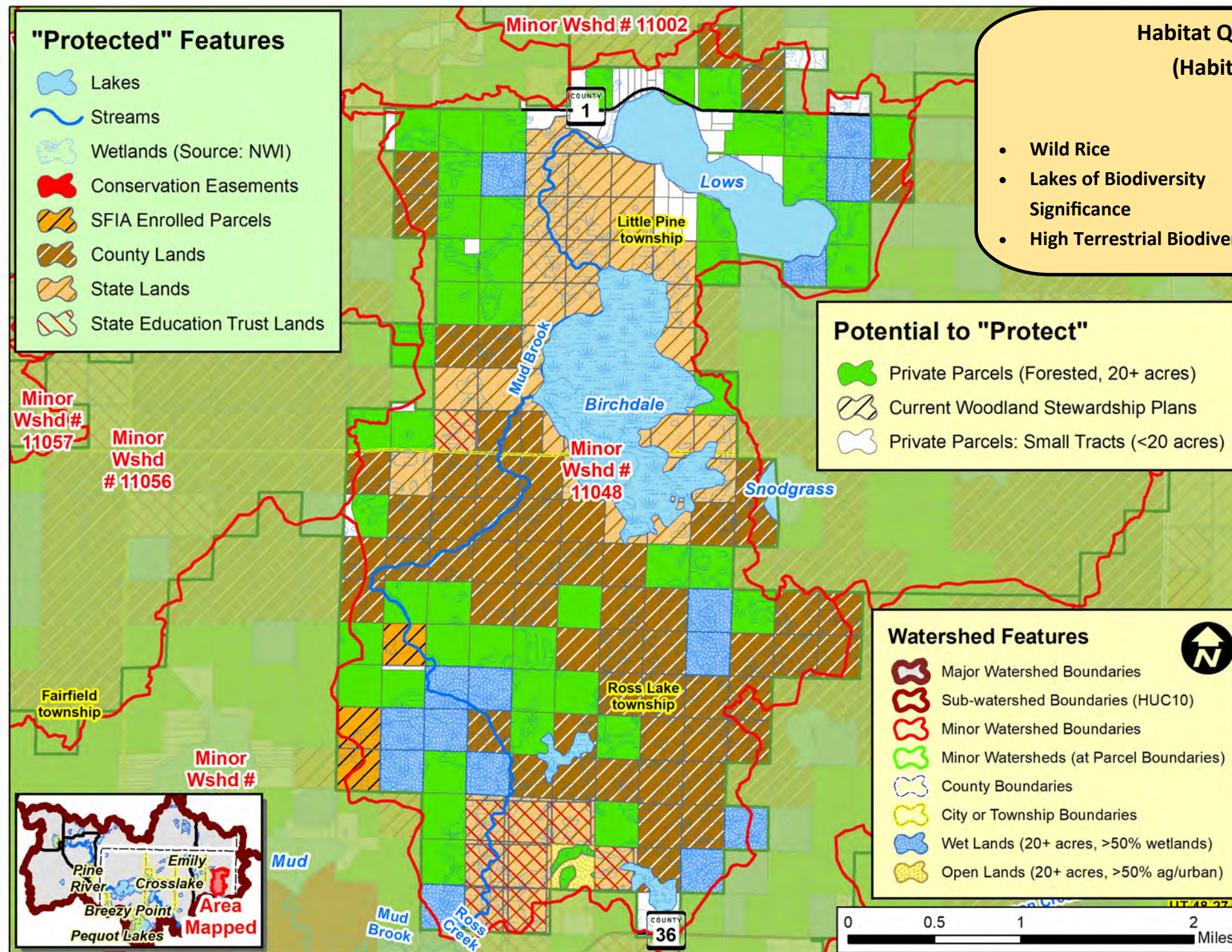
Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance	Specific Advice & Assistance	Grants & Cost-share Projects	Local Land Use
Factsheets Poster / Mailers Workshops Website / Social Media	Site Visits Plans Landscape Stewardship Forest Stewardship Projects	Forest Management Tree Planting Bud Capping Timber Stand Improvement (Thinning)	Incentive Programs to Enroll Land Riparian Buffers Voluntary Site Level Guidelines Zoning & Official Controls
		Timber Sales High Priority Areas Clean Water/Habitat Fund	Conservation Easements Fee Title Public Land Acquisition
		SFIA 2C Forest CRP	Donated Purchased Federal State County

Options

Lower Costs, Less Permanent Higher Costs, More Permanent



# What is the Potential to Protect the Mud Br. / Lows Lake Minor Watershed (Minor 11048)?

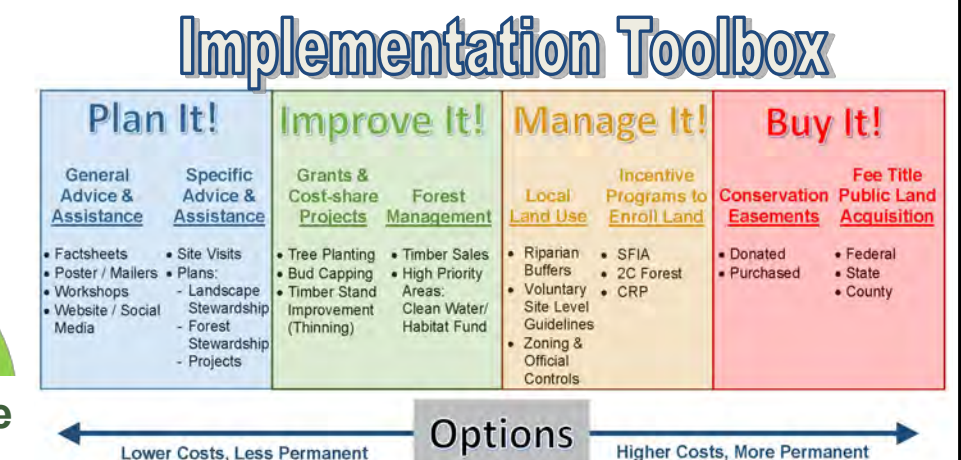


**Water Quality Trends / Impairments:**

Improving: None

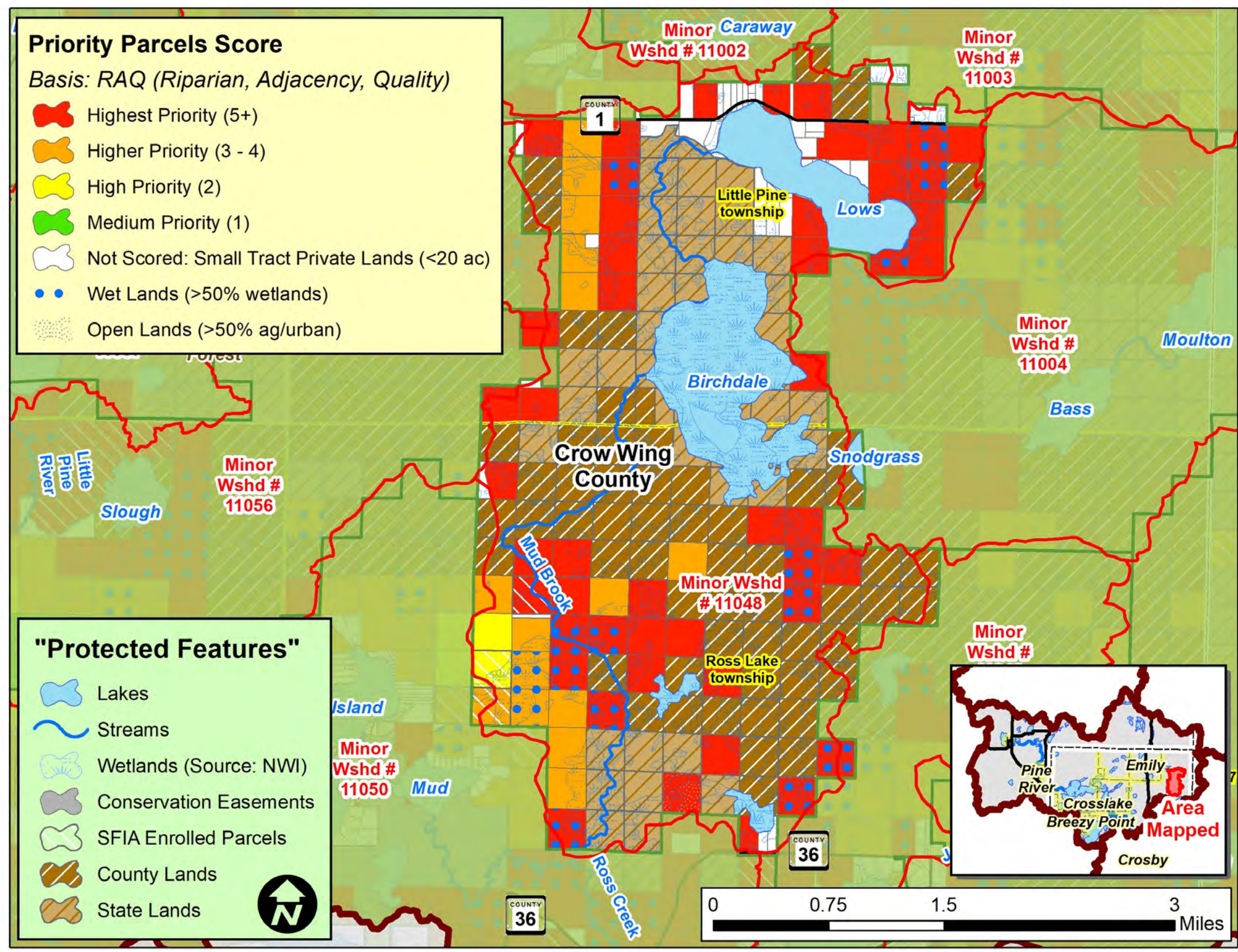
Declining: None, Impaired: Lows L.

Stable (No Trend): None





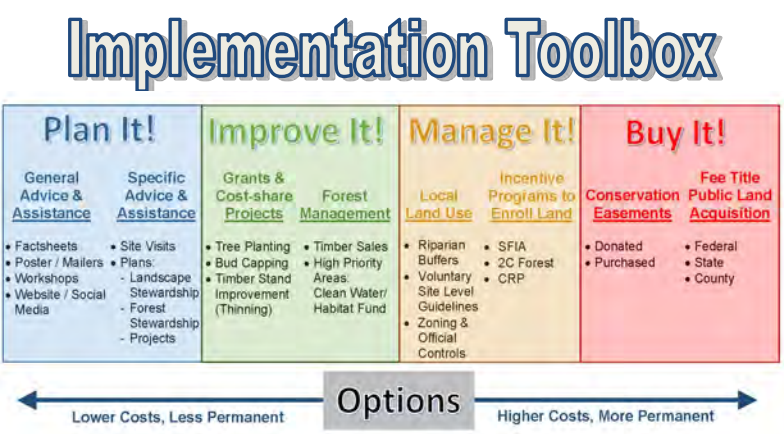
# RAQ Scoring for Parcels in the Mud Brook / Lows Lake Minor Watershed (Minor #11048)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

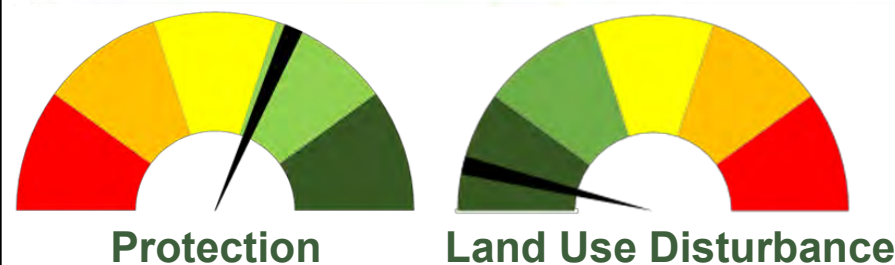
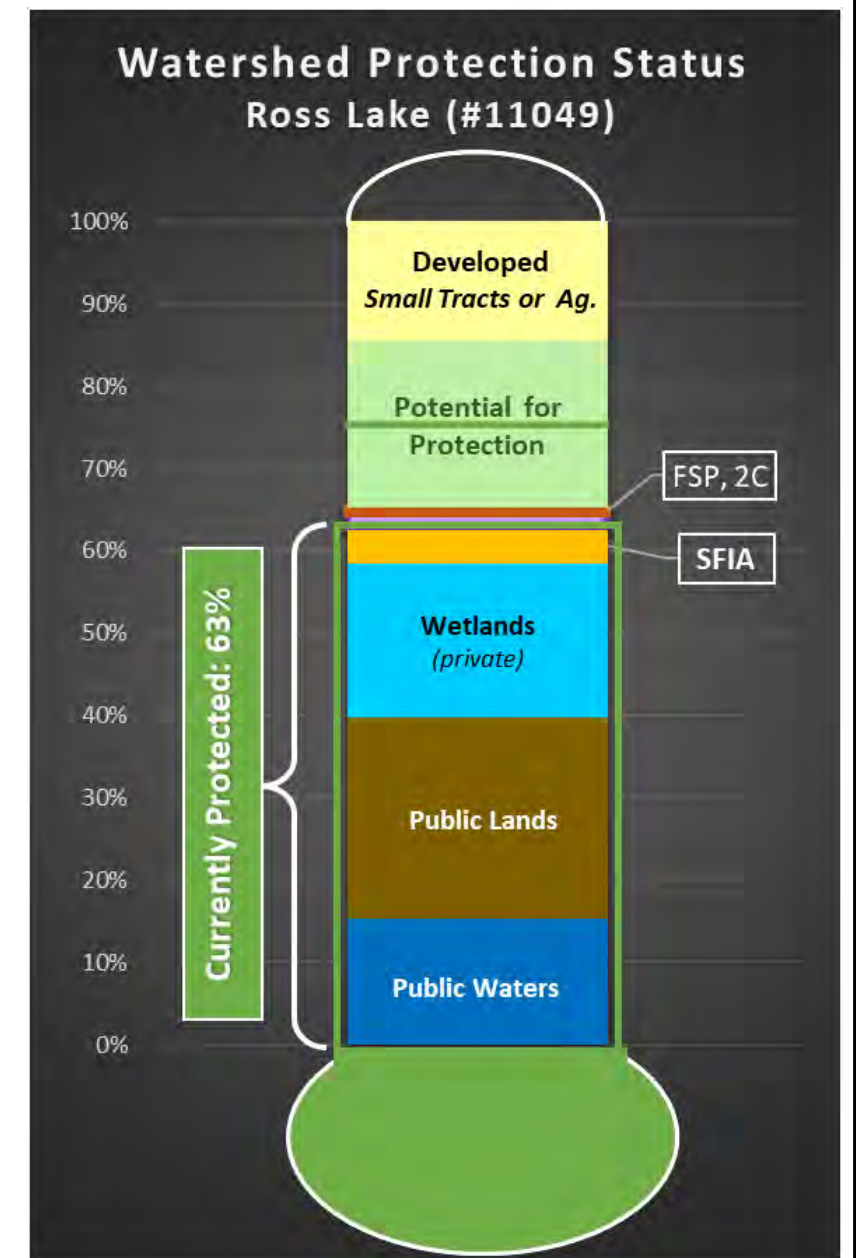
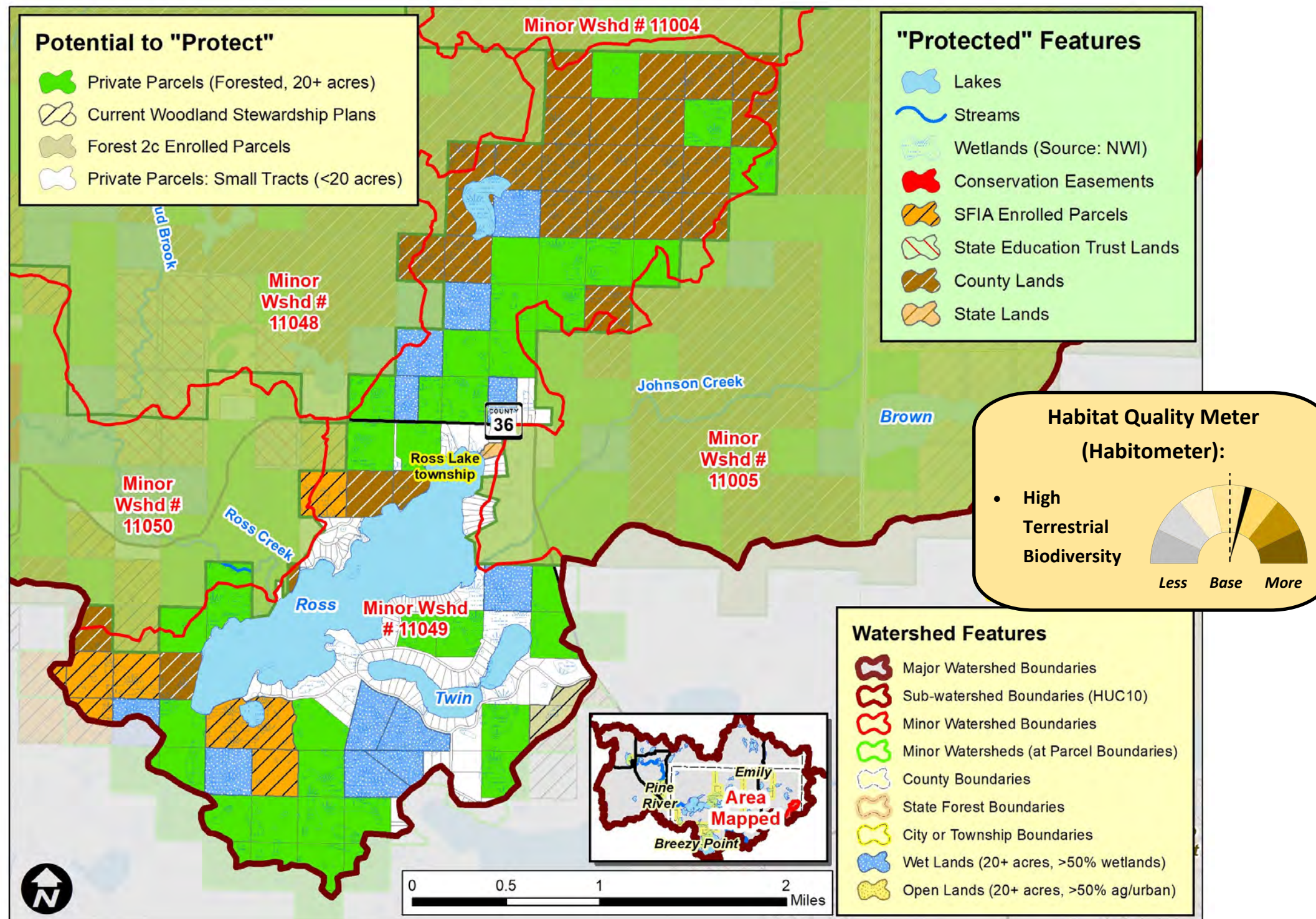
\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)





# What is the Potential to Protect the Ross Lake Minor Watershed (Minor 11049)?

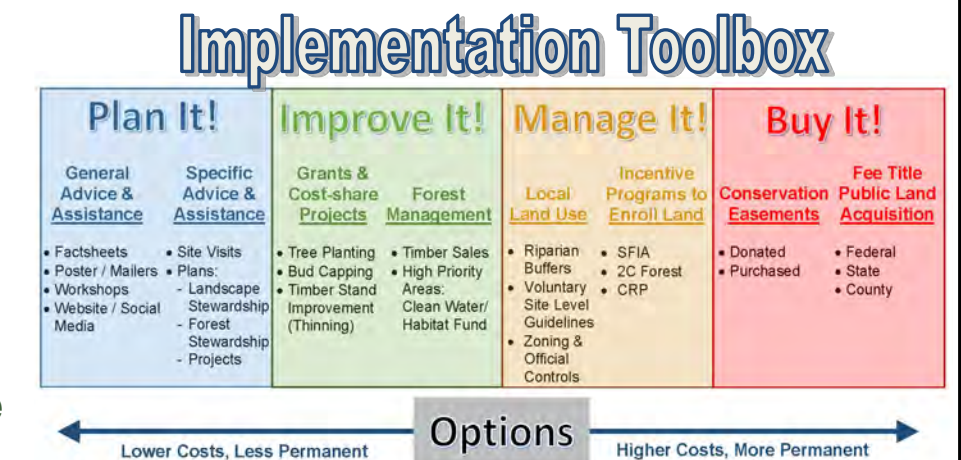


**Water Quality Trends / Impairments:**

Improving: None

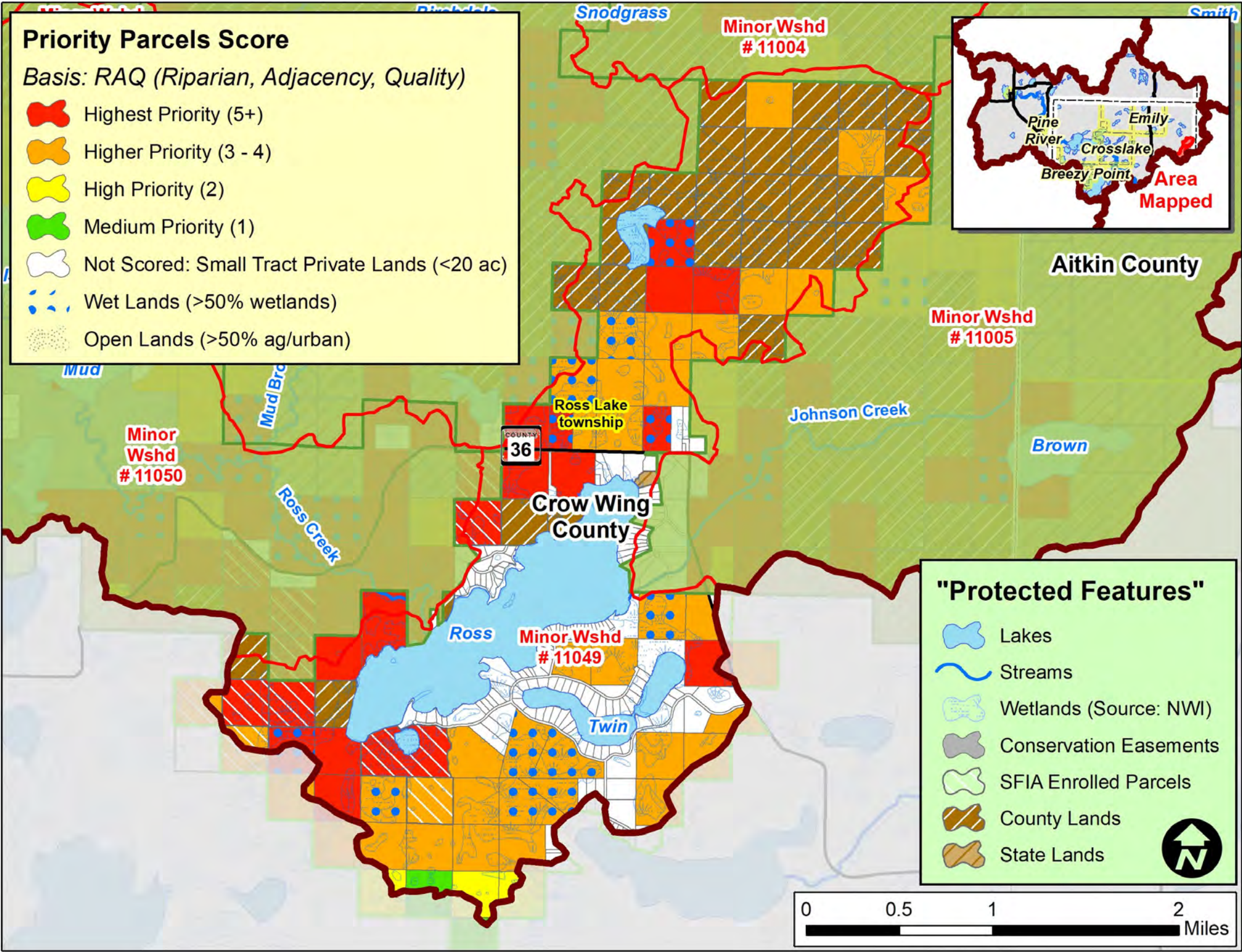
Declining: Twin L. (W), Impaired: None

Stable (No Trend): Ross L.





# RAQ Scoring for Parcels in the Ross Lake Minor Watershed (Minor #11049)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

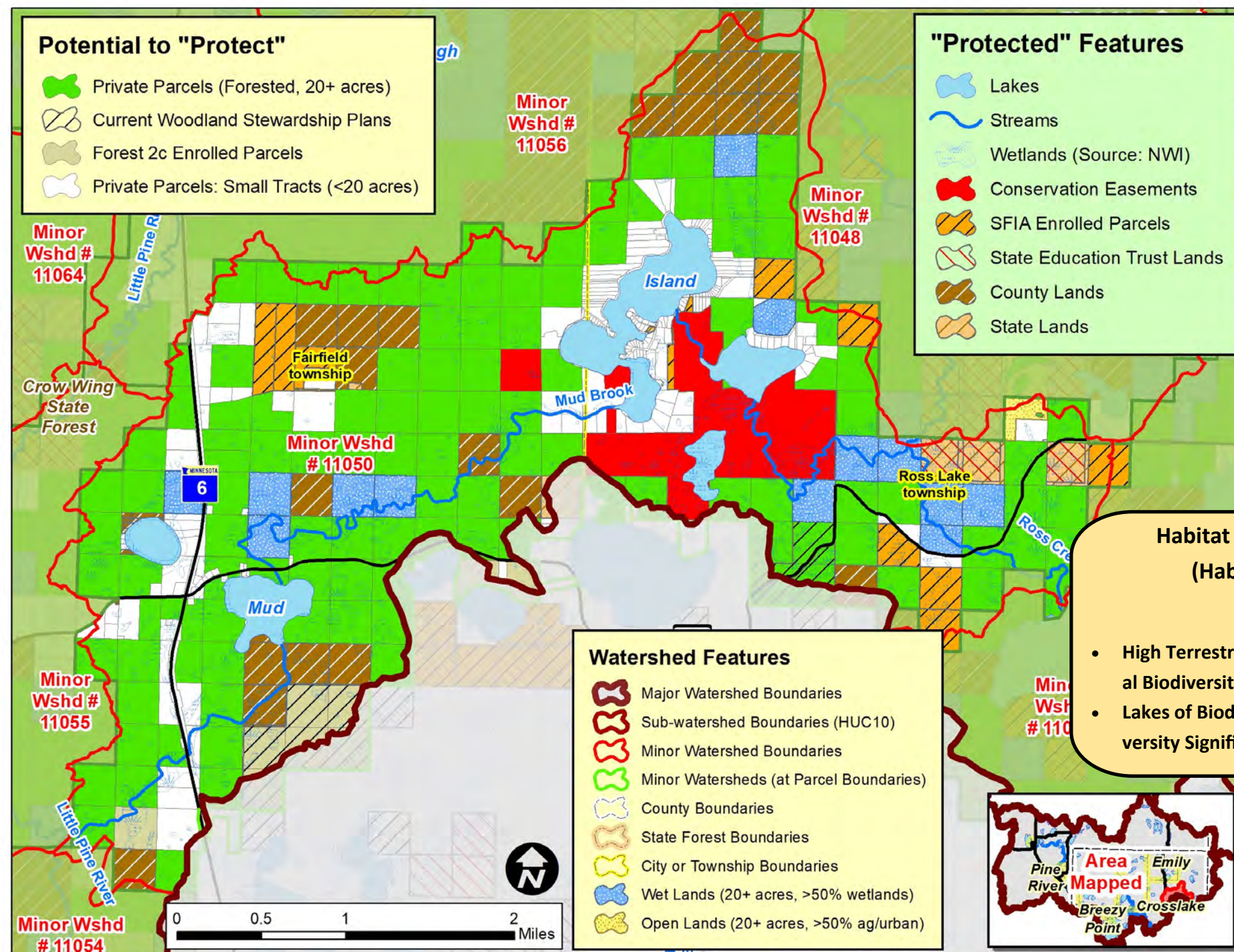
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
<b>General Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Factsheets</li><li>Poster / Mailers</li><li>Workshops</li><li>Website / Social Media</li></ul>	<b>Specific Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Site Visits</li><li>Plans: Landscape Stewardship - Forest Stewardship - Projects</li></ul>	<b>Grants &amp; Cost-share Projects</b> <ul style="list-style-type: none"><li>Tree Planting</li><li>Bud Capping</li><li>Timber Stand Improvement (Thinning)</li></ul> <b>Forest Management</b> <ul style="list-style-type: none"><li>Timber Sales</li><li>High Priority Areas</li><li>Clean Water/Habitat Fund</li></ul>	<b>Local Land Use</b> <ul style="list-style-type: none"><li>Riparian Buffers</li><li>Voluntary Site Level Guidelines</li><li>Zoning &amp; Official Controls</li></ul> <b>Incentive Programs to Enroll Land</b> <ul style="list-style-type: none"><li>SFIA</li><li>2C Forest</li><li>CRP</li></ul> <b>Conservation Easements</b> <ul style="list-style-type: none"><li>Donated</li><li>Purchased</li></ul> <b>Fee Title Public Land Acquisition</b> <ul style="list-style-type: none"><li>Federal</li><li>State</li><li>County</li></ul>
Options			
Lower Costs, Less Permanent		Higher Costs, More Permanent	



# What is the Potential to Protect the Mud Br. / Island Lake Minor Watershed (Minor 11050)?



Protection



Land Use Disturbance

**Water Quality Trends / Impairments:**

Improving: None

Declining: None, Impaired: None

Stable (No Trend): None



**Forests for the Future**  
Score: 105 (out of 175)

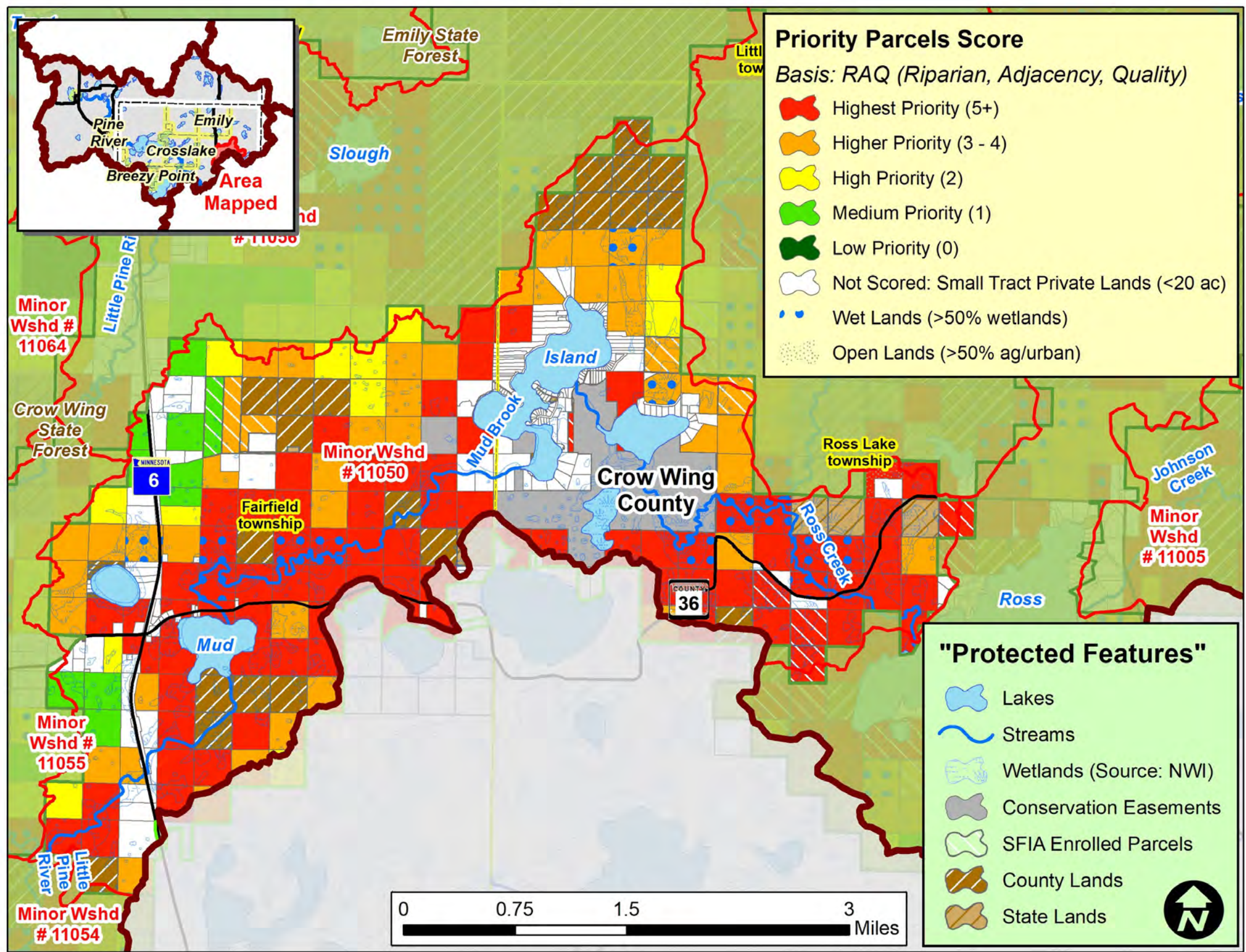
## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
<b>General Advice &amp; Assistance</b>	<b>Specific Advice &amp; Assistance</b>	<b>Grants &amp; Cost-share Projects</b>	<b>Forest Management</b>
<ul style="list-style-type: none"><li>Factsheets</li><li>Poster / Mailers</li><li>Workshops</li><li>Website / Social Media</li></ul>	<ul style="list-style-type: none"><li>Site Visits</li><li>Plans:<ul style="list-style-type: none"><li>Landscape Stewardship</li><li>Forest Stewardship</li><li>Projects</li></ul></li></ul>	<ul style="list-style-type: none"><li>Tree Planting</li><li>Bud Capping</li><li>Timber Stand Improvement (Thinning)</li></ul>	<ul style="list-style-type: none"><li>Timber Sales</li><li>High Priority Areas: Clean Water/Habitat Fund</li></ul>
		<b>Local Land Use</b>	<b>Incentive Programs to Enroll Land</b>
		<ul style="list-style-type: none"><li>Riparian Buffers</li><li>Voluntary Site Level Guidelines</li><li>Zoning &amp; Official Controls</li></ul>	<ul style="list-style-type: none"><li>SFIA</li><li>2C Forest</li><li>CRP</li></ul>
			<b>Conservation Easements</b>
			<ul style="list-style-type: none"><li>Donated</li><li>Purchased</li></ul>
			<b>Fee Title Public Land Acquisition</b>
			<ul style="list-style-type: none"><li>Federal</li><li>State</li><li>County</li></ul>

Lower Costs, Less Permanent Options Higher Costs, More Permanent



# RAQ Scoring for Parcels in the Mud Br. / Island Lake Minor Watershed (Minor #11050)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

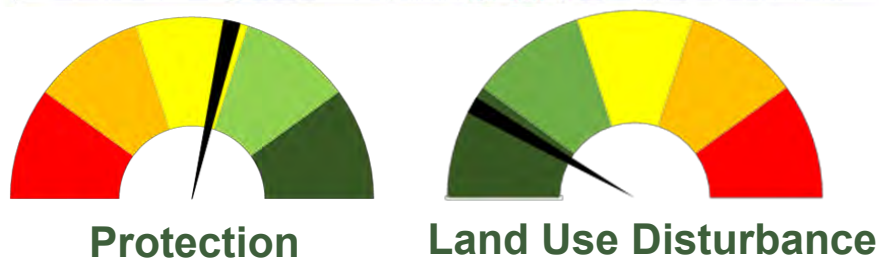
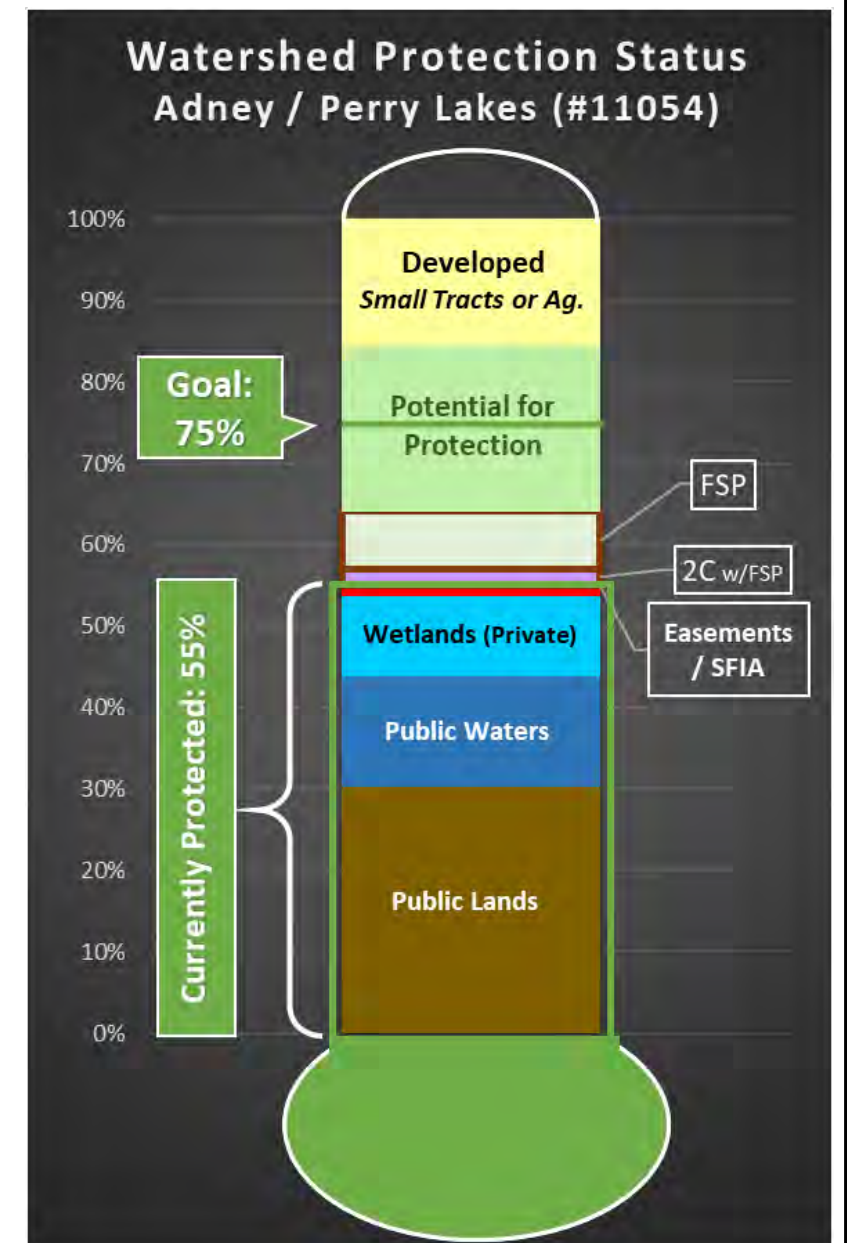
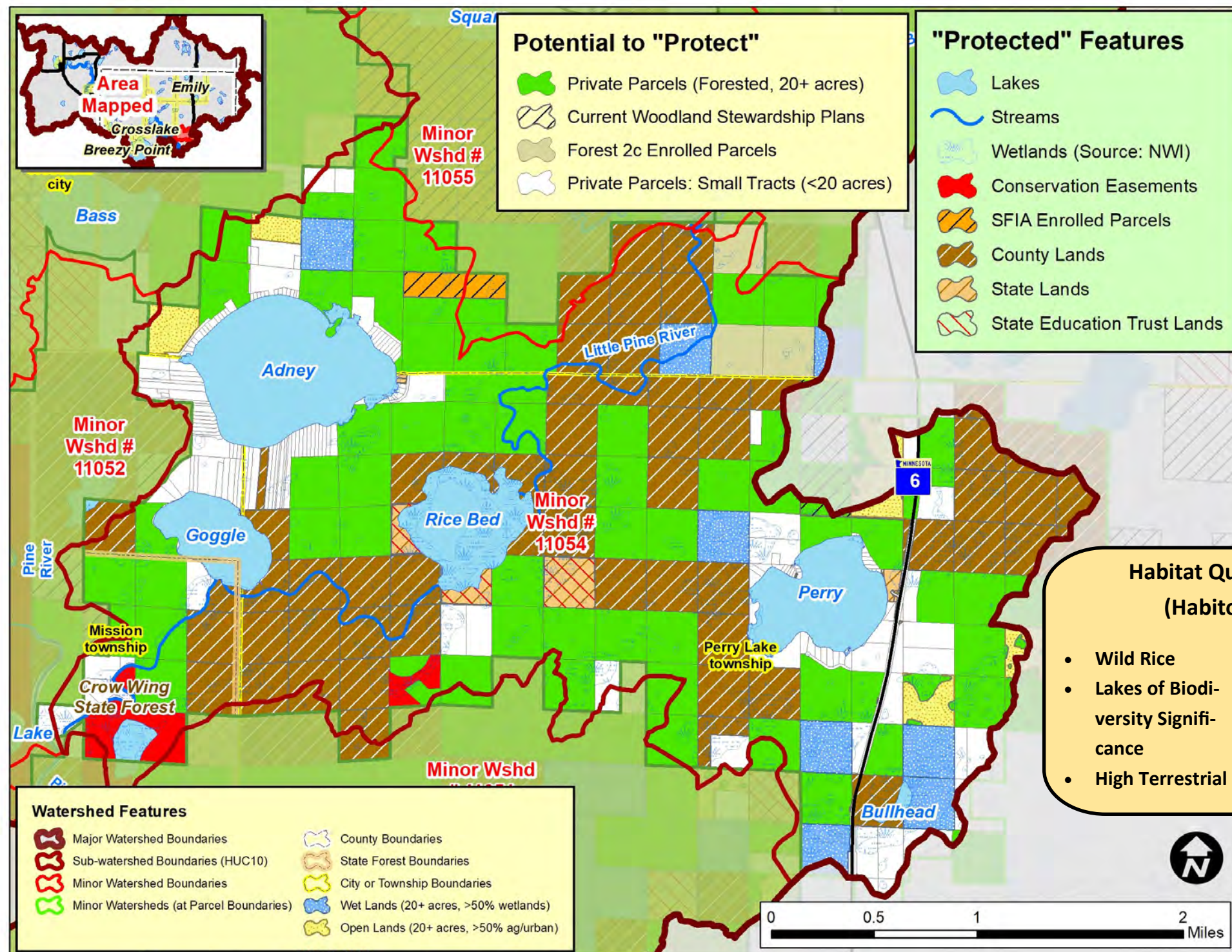
## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance	Specific Advice & Assistance	Grants & Cost-share Projects	Local Land Use
Factsheets Poster / Mailers Workshops Website / Social Media	Site Visits Plans Landscape Stewardship Forest Stewardship Projects	Tree Planting Bud Capping Timber Stand Improvement (Thinning)	Timber Sales High Priority Areas Clean Water/Habitat Fund
		Riparian Buffers Voluntary Site Level Guidelines Zoning & Official Controls	Incentive Programs to Enroll Land
		SFIA 2C Forest CRP	Conservation Easements
		Donated Purchased	Fee Title Public Land Acquisition
		Federal State County	

Options: Lower Costs, Less Permanent → Higher Costs, More Permanent



# What is the Potential to Protect the Adney / Perry Lakes Minor Watershed (Minor 11054)?



**Water Quality Trends / Impairments:**

**Improving: None**

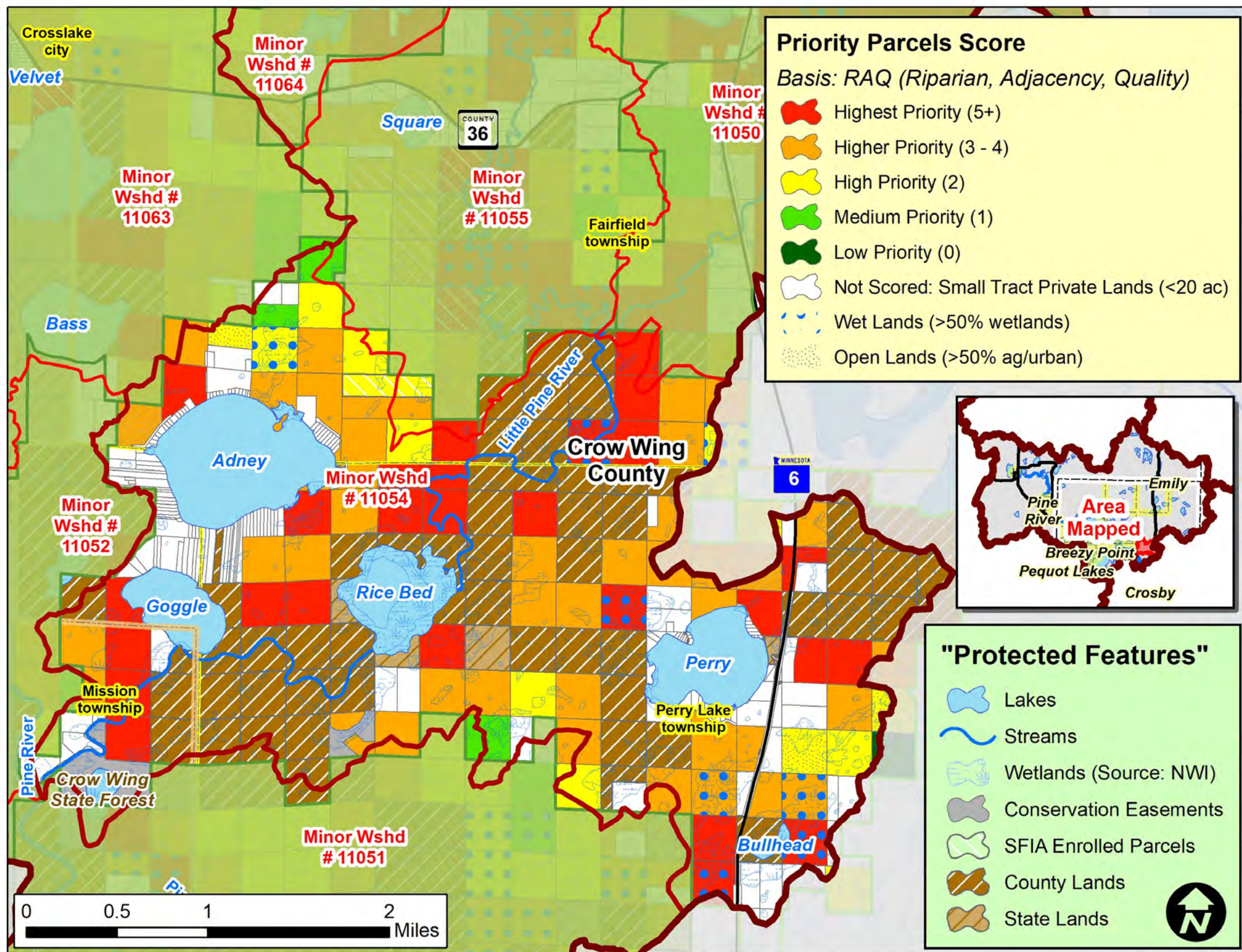
**Declining: None, Impaired: None**

**Stable (No Trend): None**





# RAQ Scoring for Parcels in the Adney / Perry Lakes Minor Watershed (Minor #11054)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

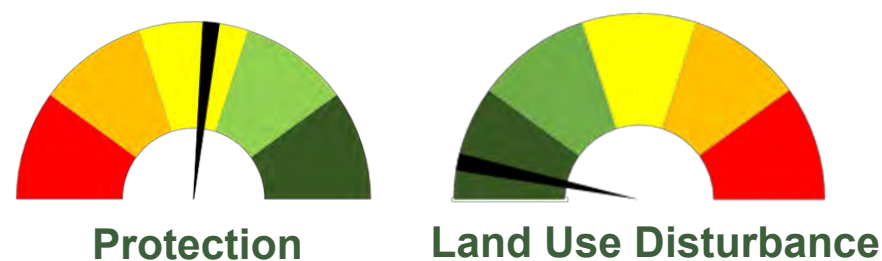
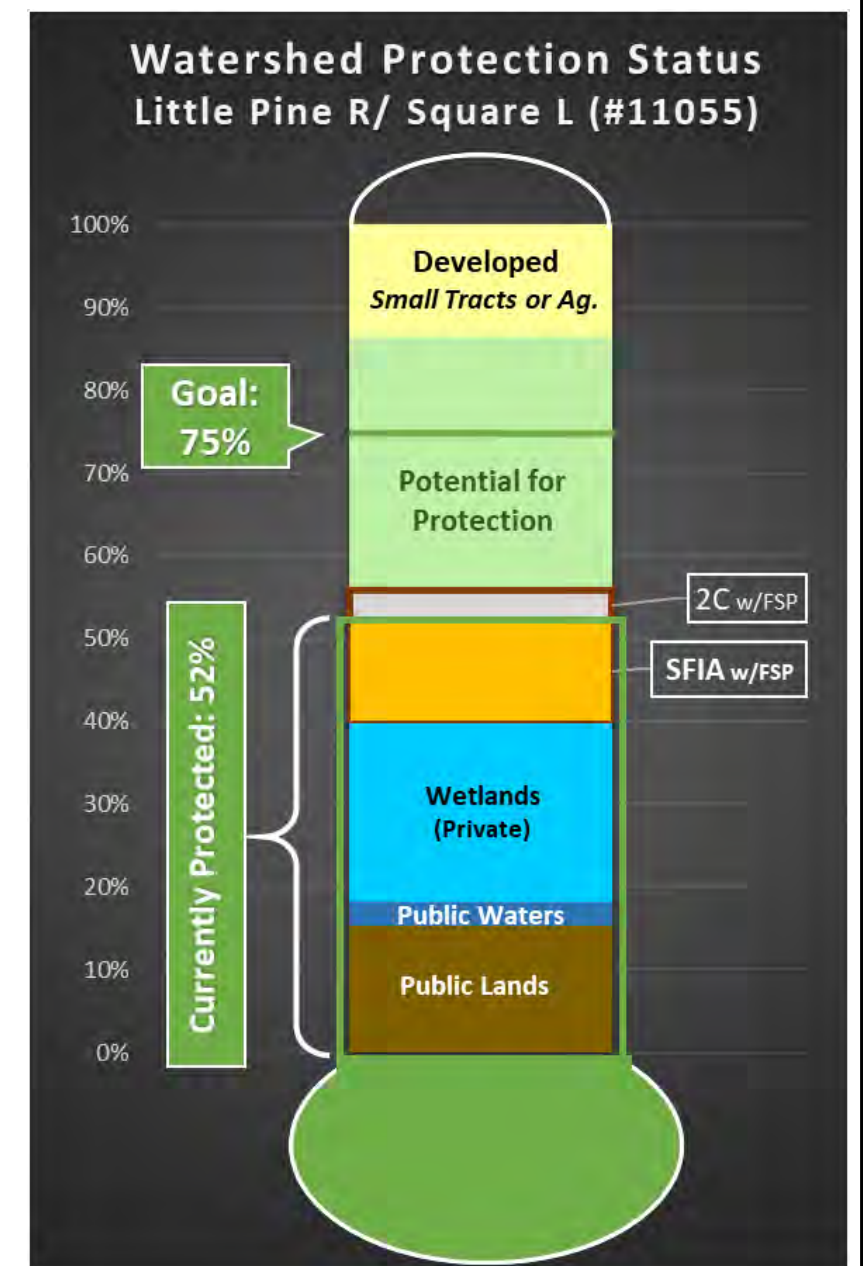
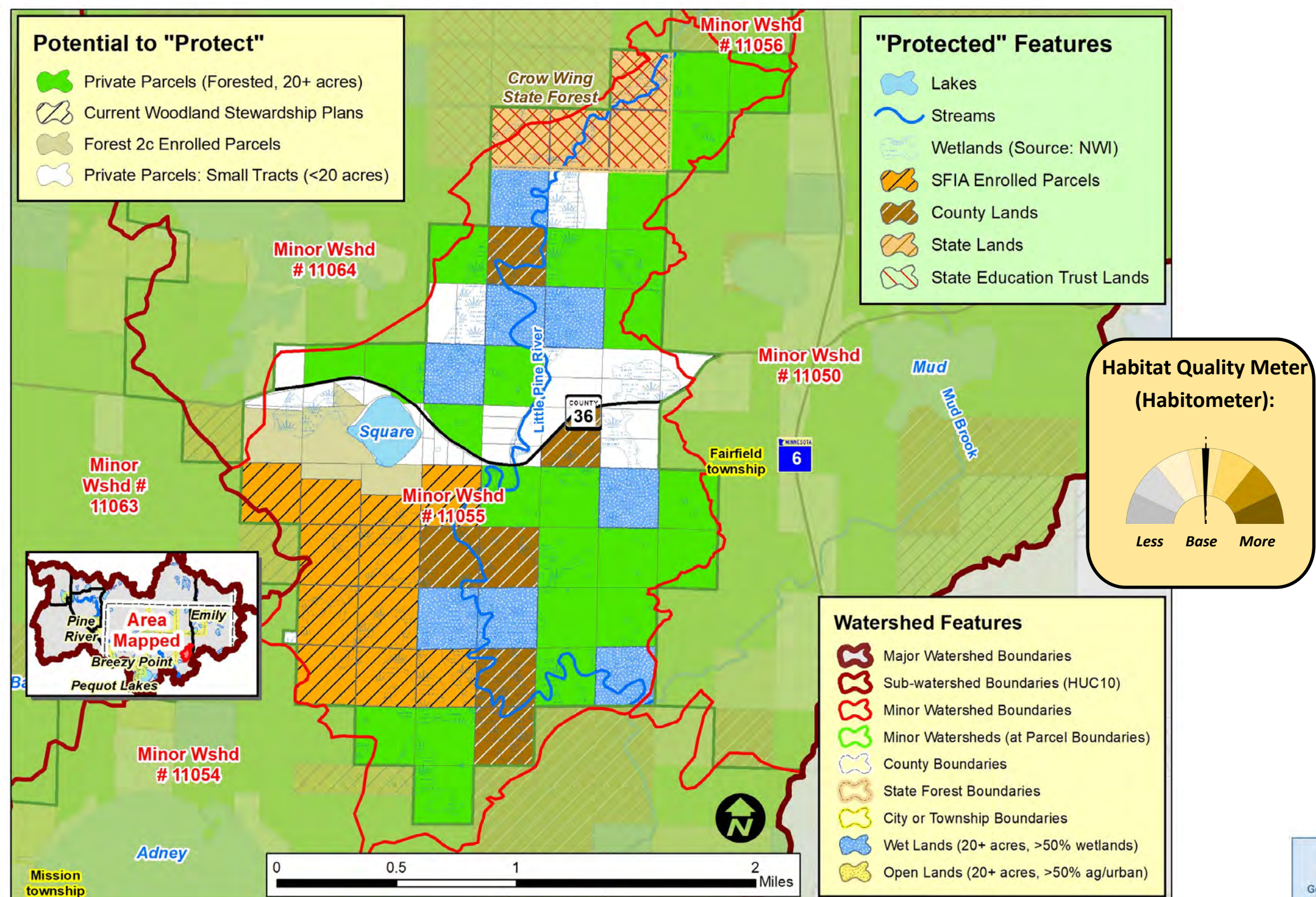
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance • Factsheets • Poster / Mailers • Workshops • Website / Social Media	Specific Advice & Assistance • Site Visits • Plans • Landscape Stewardship • Forest Stewardship Projects	Grants & Cost-share Projects • Tree Planting • Bud Capping • Timber Stand Improvement (Thinning) • Forest Management • Timber Sales • High Priority Areas • Clean Water/Habitat Fund	Local Land Use • Incentive Programs to Enroll Land • Conservation Easements • Fee Title Acquisition • Donated • Purchased • Federal • State • County
Options Lower Costs, Less Permanent → Higher Costs, More Permanent			



# What is the Potential to Protect the Little Pine R / Square L. Minor Watershed (Minor 11055)?



**Water Quality Trends / Impairments:**

Improving: None

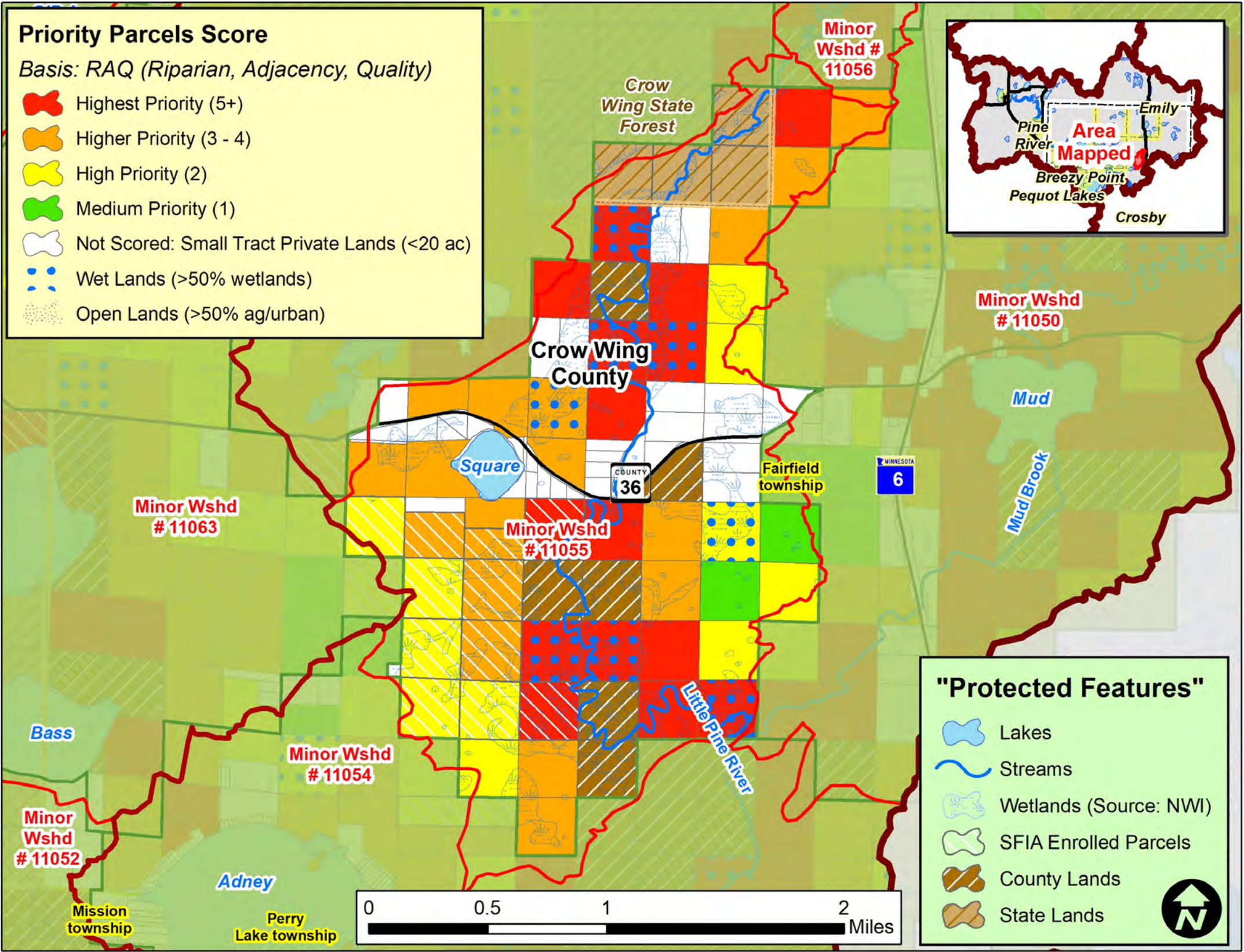
Declining: None, Impaired: None

Stable (No Trend): None





# RAQ Scoring for Parcels in the Little Pine R. / Square Lake Minor Watershed (Minor #11055)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

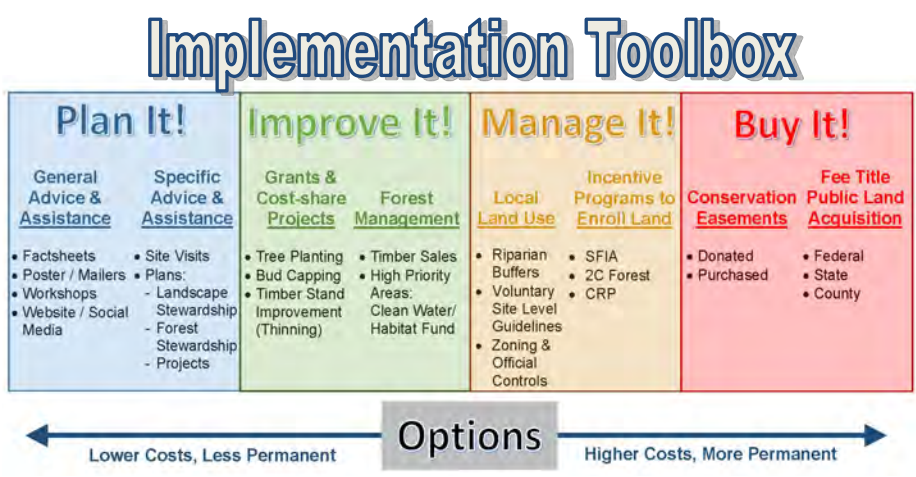
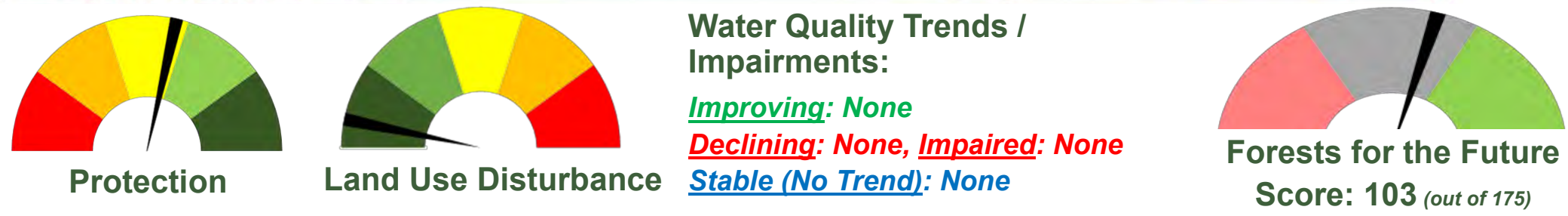
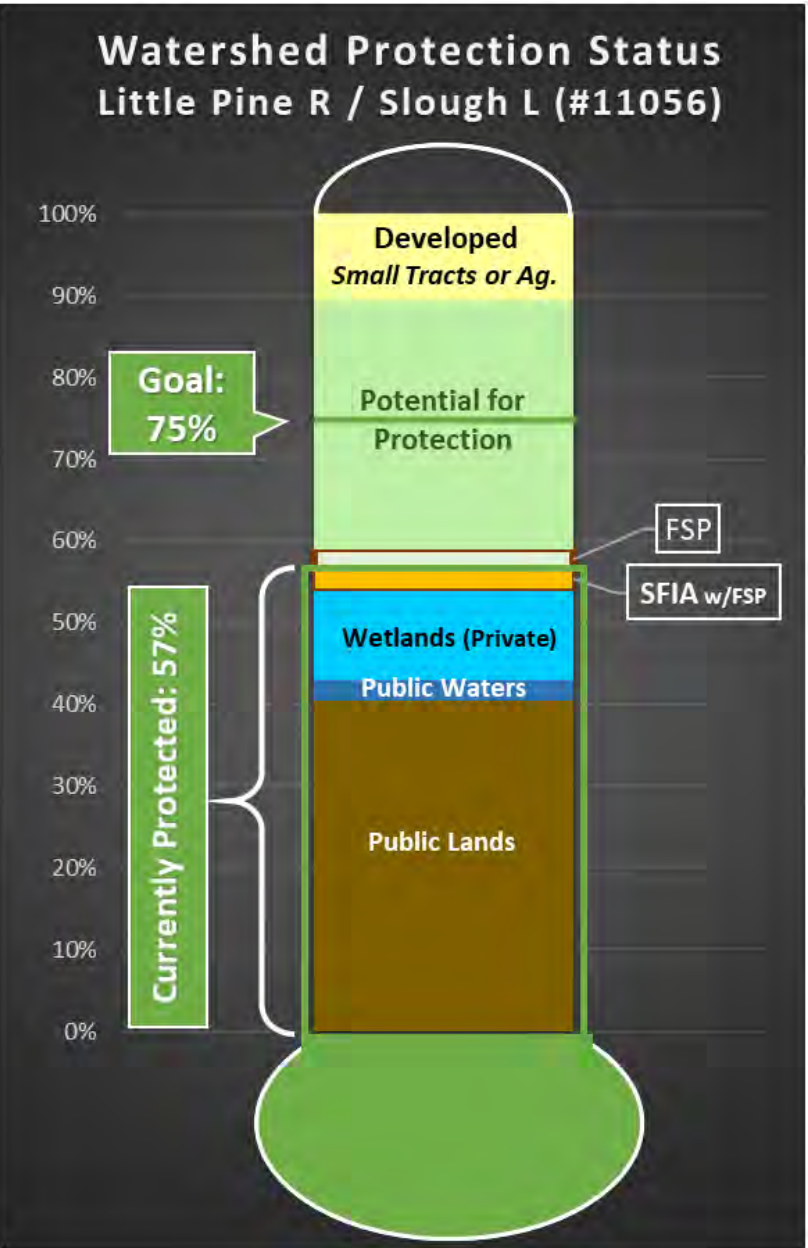
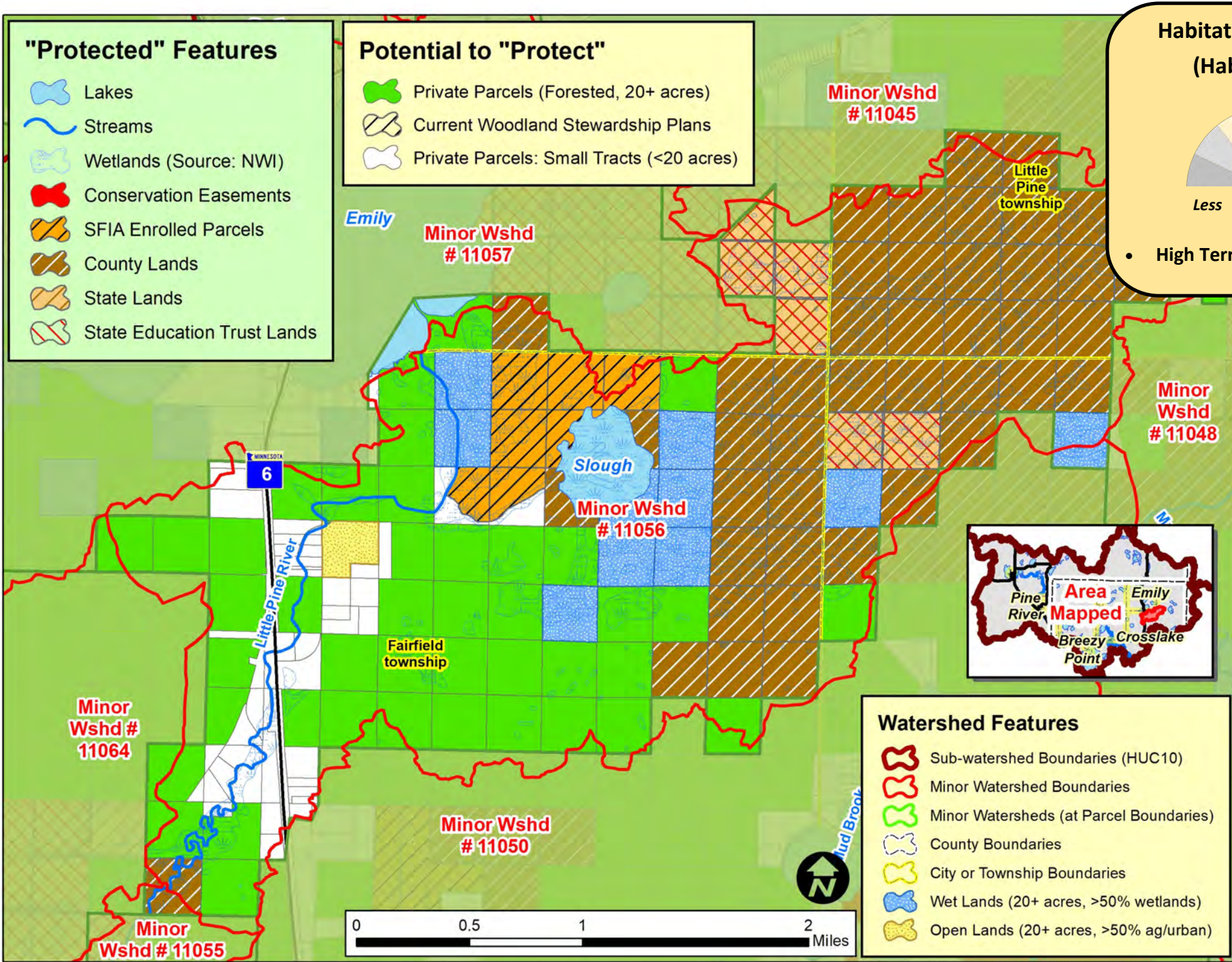
Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance • Factsheets • Poster / Mailers • Workshops • Website / Social Media	Specific Advice & Assistance • Site Visits • Plans • Landscape Stewardship • Forest Stewardship Projects	Grants & Cost-share Projects • Tree Planting • Bud Capping • Timber Stand Improvement (Thinning) • Forest Management • Timber Sales • High Priority Areas • Clean Water/Habitat Fund	Local Land Use • Incentive Programs to Enroll Land • Riparian Buffers • Voluntary Site Level Guidelines • Zoning & Official Controls
• Donated • Purchased	• SFIA • 2C Forest • CRP	• Conservation Easements • Fee Title Acquisition	• Federal • State • County

Options

Lower Costs, Less Permanent Higher Costs, More Permanent

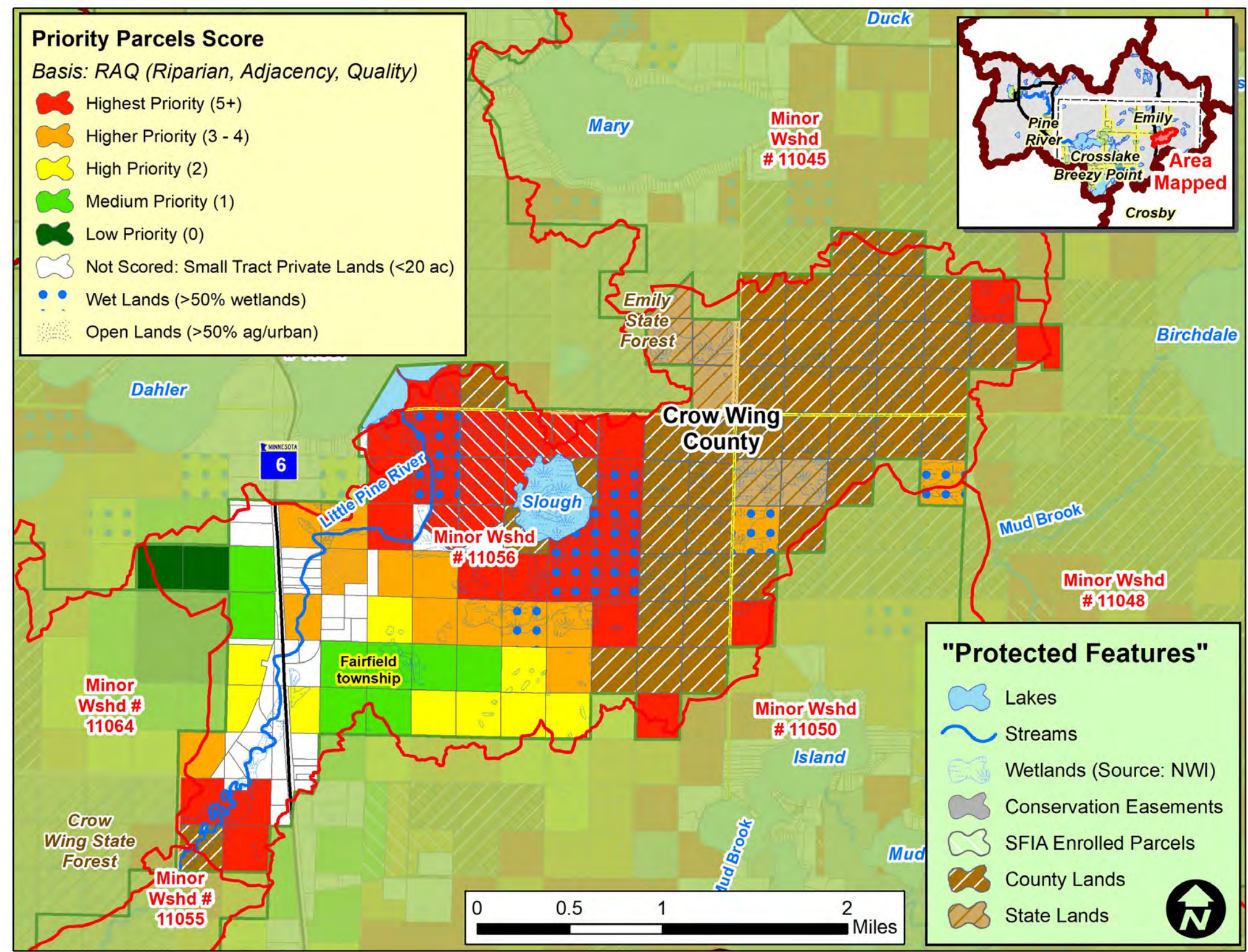


# What is the Potential to Protect the Little Pine R / Slough L Minor Watershed (Minor 11056)?





# RAQ Scoring for Parcels in the Little Pine R. / Slough Lake Minor Watershed (Minor #11056)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

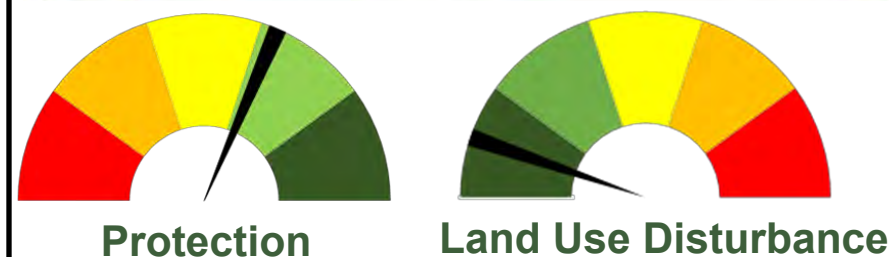
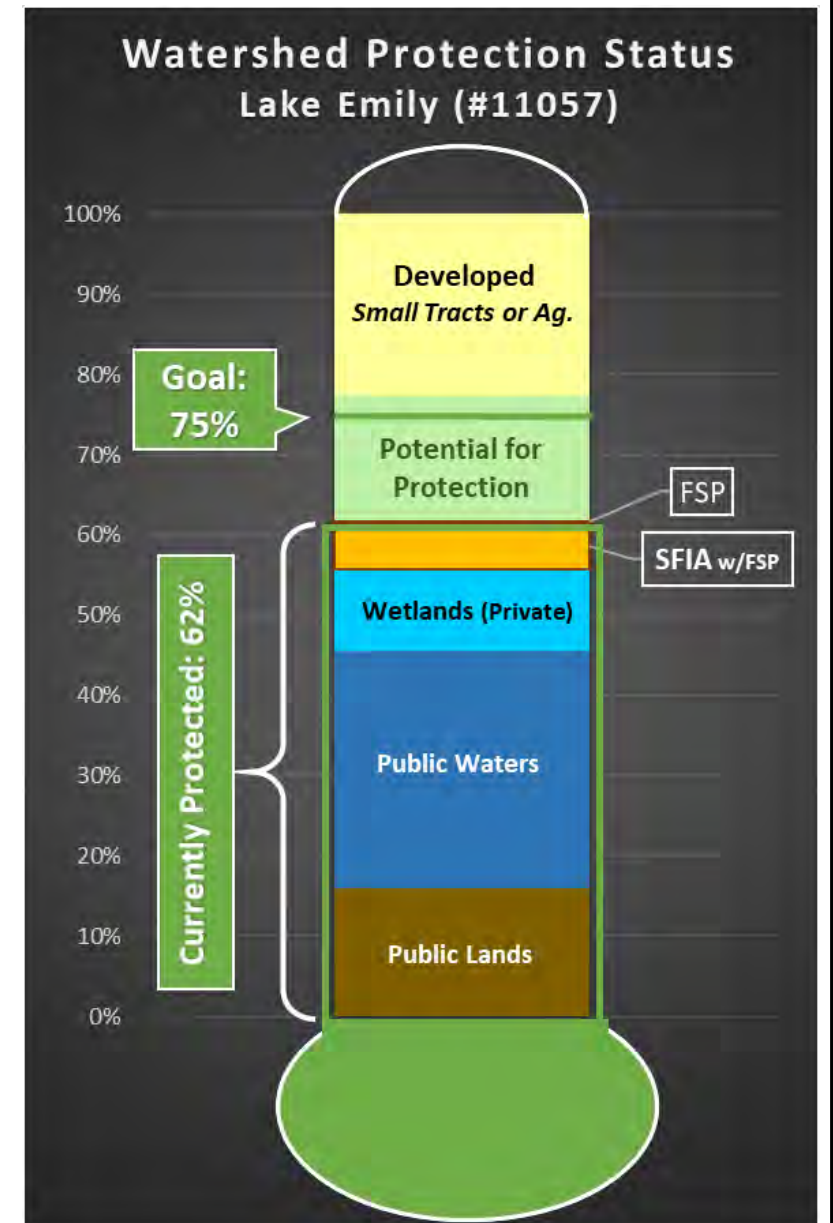
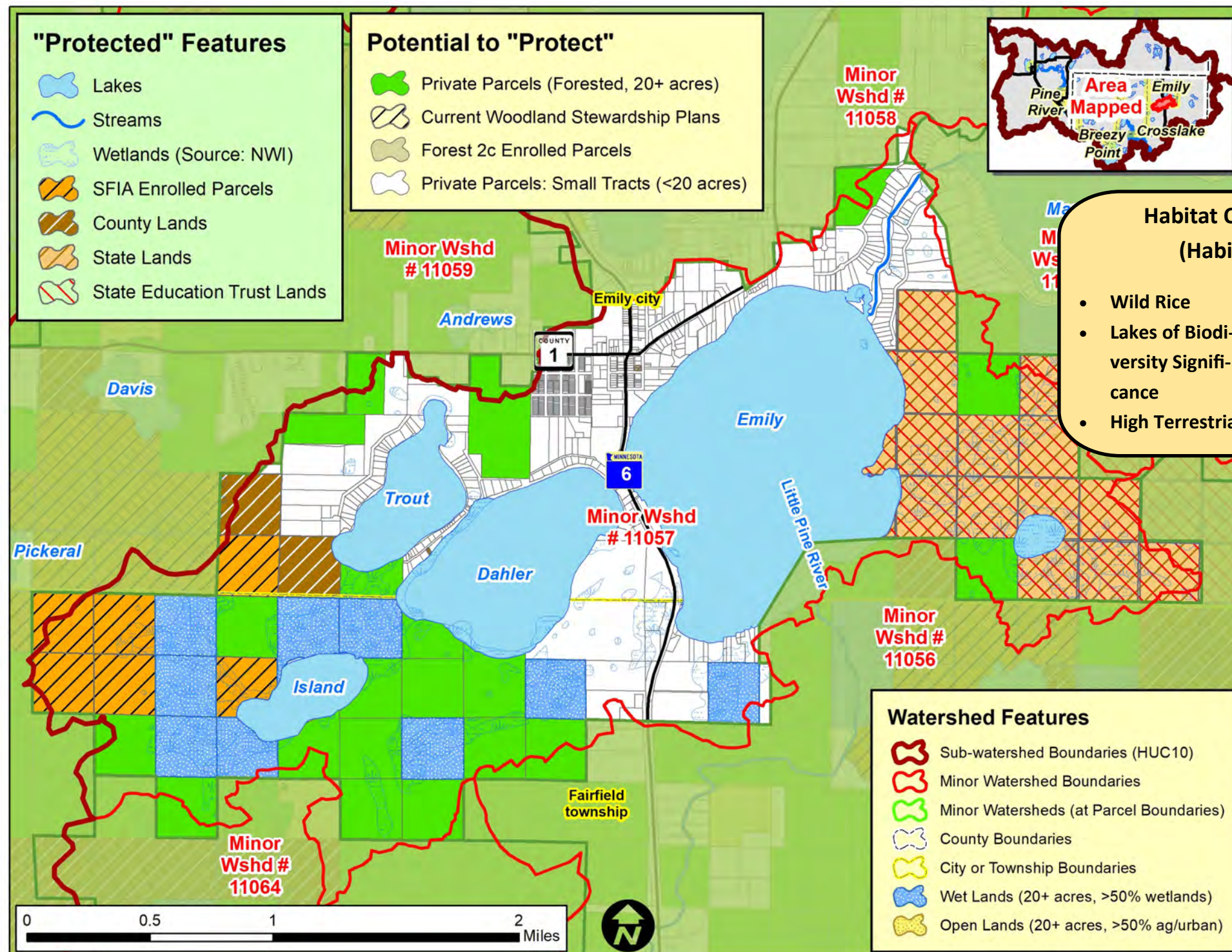
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
<b>General Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Factsheets</li><li>Poster / Mailers</li><li>Workshops</li><li>Website / Social Media</li></ul>	<b>Specific Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Site Visits</li><li>Plans</li><li>Landscape Stewardship</li><li>Forest Stewardship Projects</li></ul>	<b>Grants &amp; Cost-share Projects</b> <ul style="list-style-type: none"><li>Tree Planting</li><li>Bud Capping</li><li>Timber Stand Improvement (Thinning)</li></ul> <b>Forest Management</b> <ul style="list-style-type: none"><li>Timber Sales</li><li>High Priority Areas</li><li>Clean Water/Habitat Fund</li></ul>	<b>Local Land Use</b> <ul style="list-style-type: none"><li>Riparian Buffers</li><li>Voluntary Site Level Guidelines</li><li>Zoning &amp; Official Controls</li></ul> <b>Incentive Programs to Enroll Land</b> <ul style="list-style-type: none"><li>SFIA</li><li>2C Forest</li><li>CRP</li></ul> <b>Conservation Easements</b> <ul style="list-style-type: none"><li>Donated</li><li>Purchased</li></ul> <b>Fee Title Public Land Acquisition</b> <ul style="list-style-type: none"><li>Federal</li><li>State</li><li>County</li></ul>
Options			
Lower Costs, Less Permanent		Higher Costs, More Permanent	

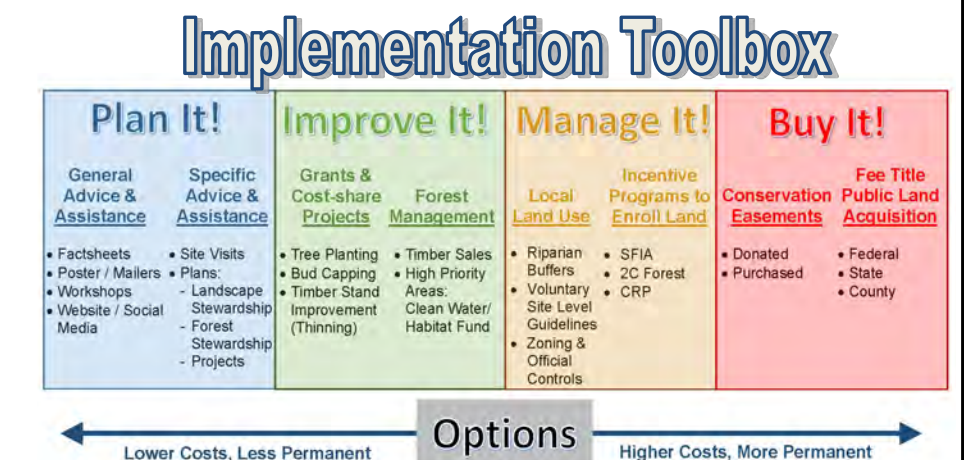


# What is the Potential to Protect the Lake Emily Minor Watershed (Minor 11057)?



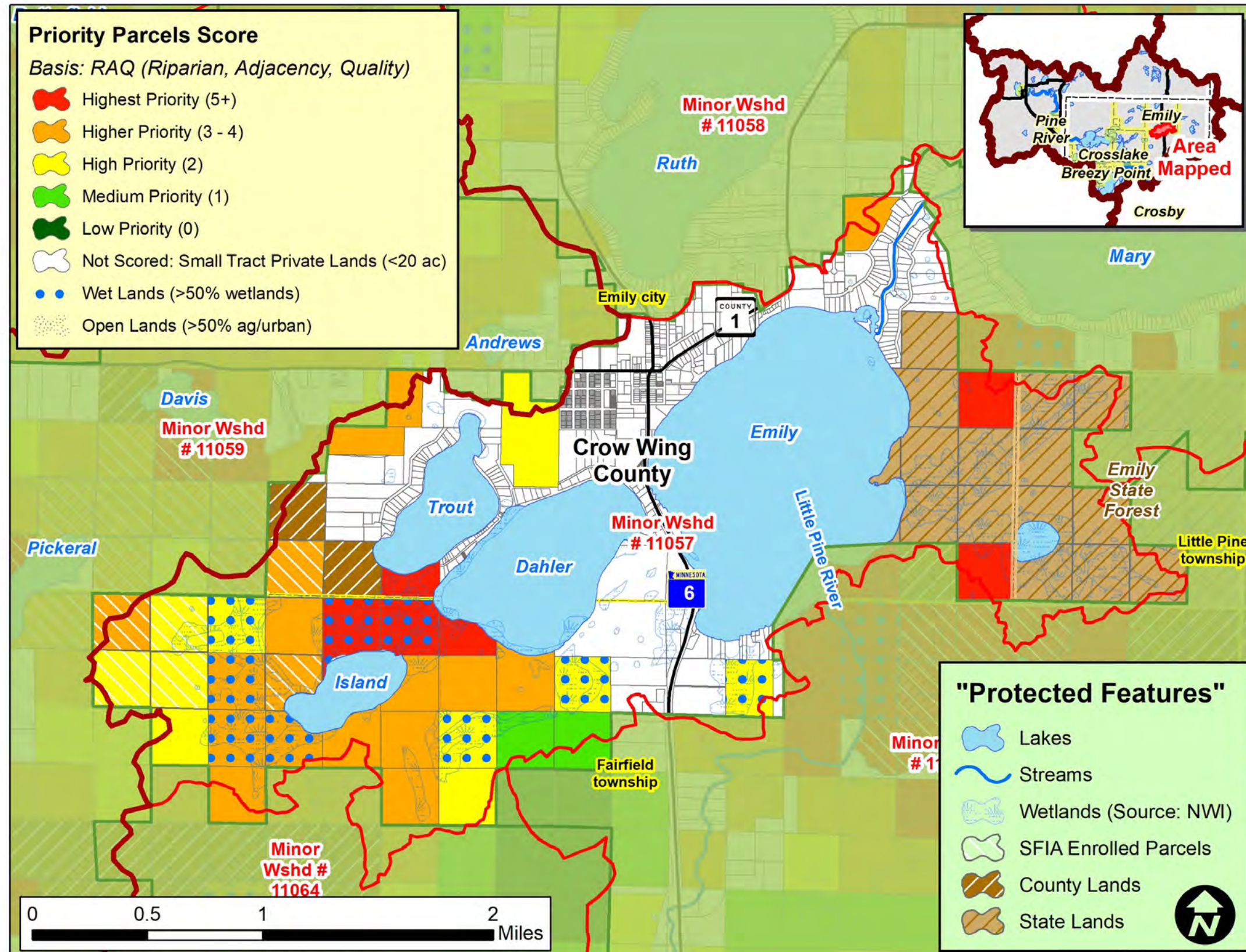
## Water Quality Trends / Impairments:

Improving: None  
Declining: None, Impaired: Lake Emily  
Stable (No Trend): Trout Lake





# RAQ Scoring for Parcels in the Lake Emily Minor Watershed (Minor #11057)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

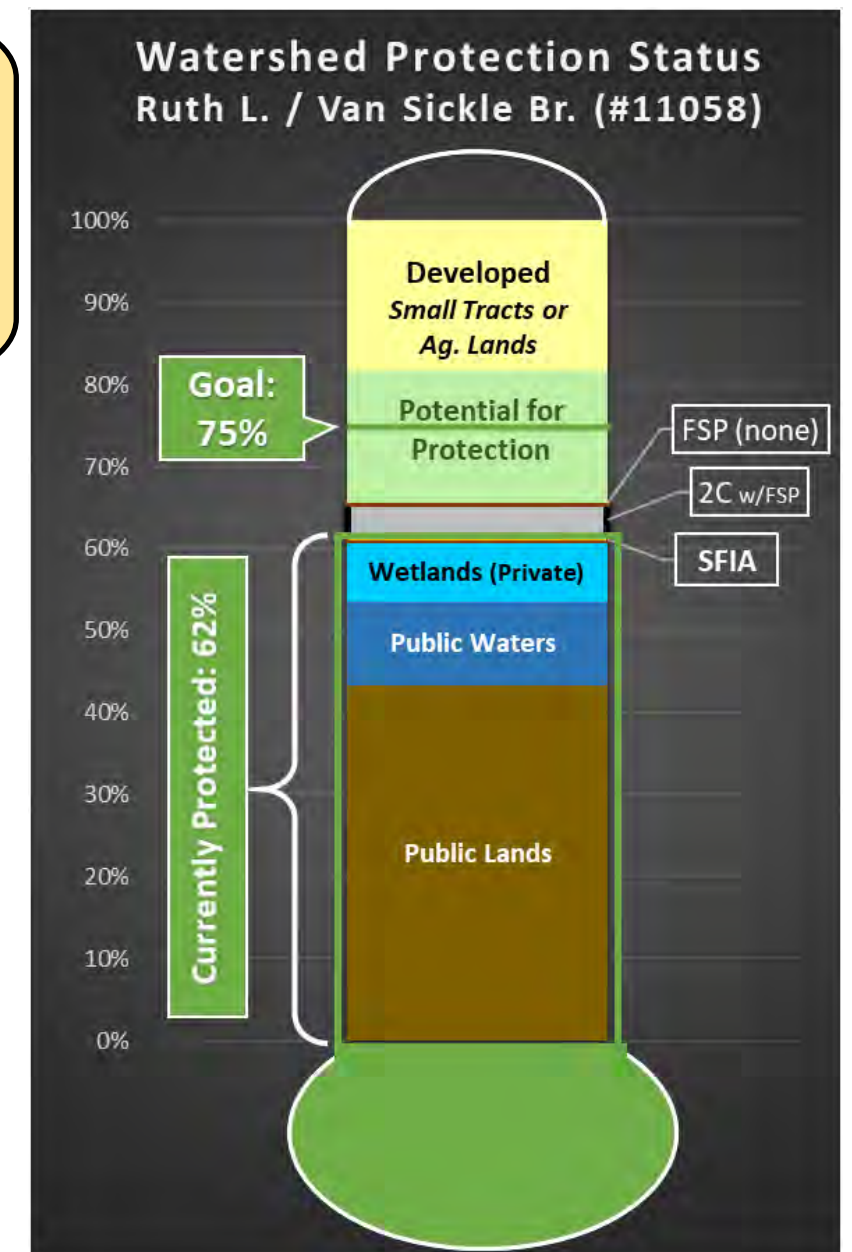
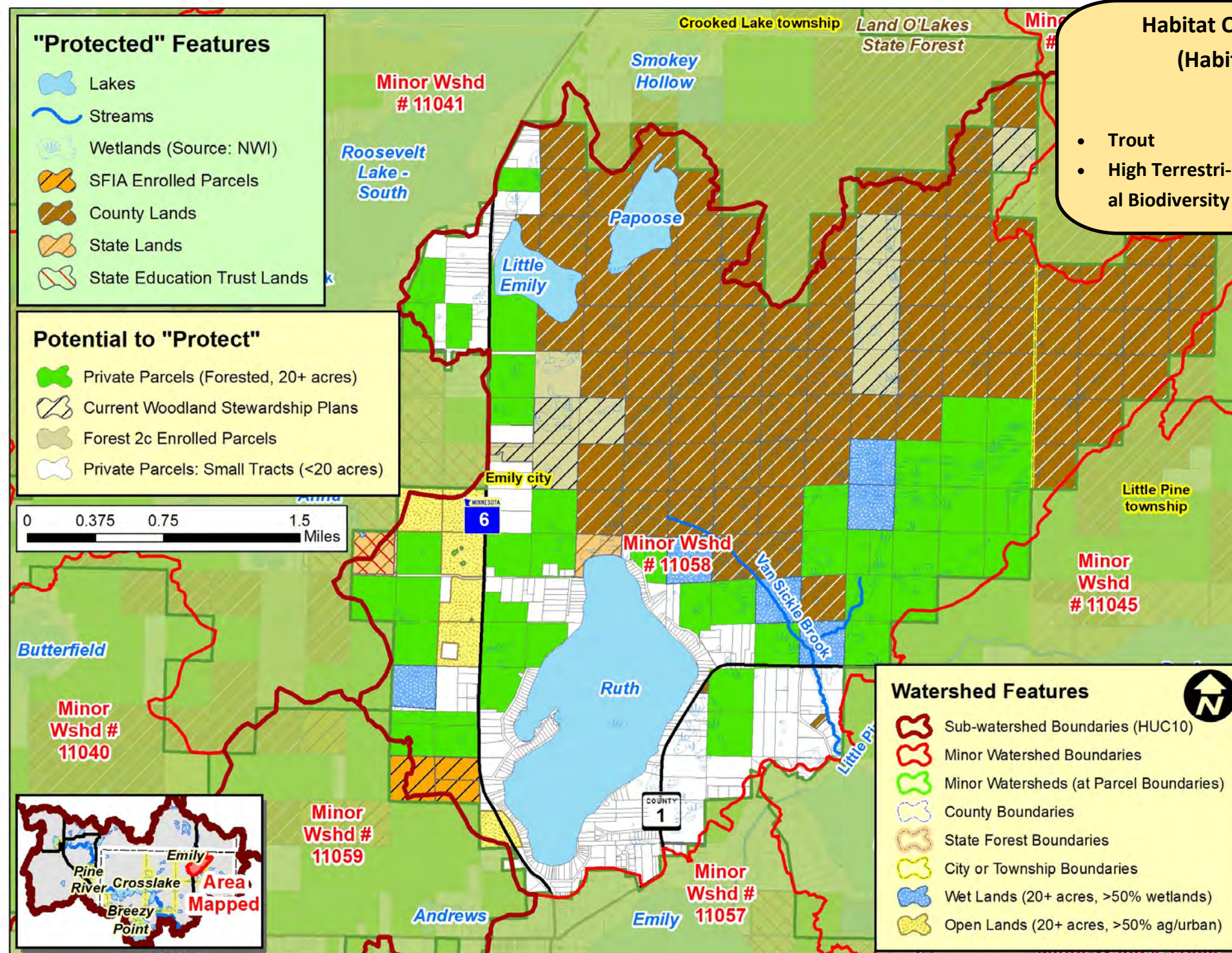
## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
<b>General Advice &amp; Assistance</b> <ul style="list-style-type: none"> <li>Factsheets</li> <li>Poster / Mailers</li> <li>Workshops</li> <li>Website / Social Media</li> </ul>	<b>Specific Advice &amp; Assistance</b> <ul style="list-style-type: none"> <li>Site Visits</li> <li>Plans</li> <li>Landscape Stewardship</li> <li>Forest Stewardship Projects</li> </ul>	<b>Grants &amp; Cost-share Projects</b> <ul style="list-style-type: none"> <li>Tree Planting</li> <li>Bud Capping</li> <li>Timber Stand Improvement (Thinning)</li> </ul> <b>Forest Management</b> <ul style="list-style-type: none"> <li>Timber Sales</li> <li>High Priority Areas</li> <li>Clean Water/Habitat Fund</li> </ul>	<b>Local Land Use</b> <ul style="list-style-type: none"> <li>Riparian Buffers</li> <li>Voluntary Site Level Guidelines</li> <li>Zoning &amp; Official Controls</li> </ul> <b>Incentive Programs to Enroll Land</b> <ul style="list-style-type: none"> <li>SFIA</li> <li>2C Forest</li> <li>CRP</li> </ul>
			<b>Conservation Easements</b> <ul style="list-style-type: none"> <li>Donated</li> <li>Purchased</li> </ul> <b>Fee Title Public Land Acquisition</b> <ul style="list-style-type: none"> <li>Federal</li> <li>State</li> <li>County</li> </ul>

Options: Lower Costs, Less Permanent → Higher Costs, More Permanent



# What is the Potential to Protect the Ruth L./ Van Sickle Br. Minor Watershed (Minor 11058)?



Protection



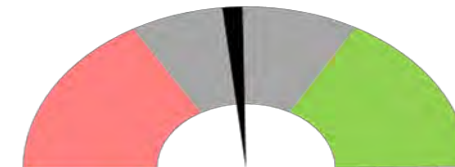
Land Use Disturbance

**Water Quality Trends / Impairments:**

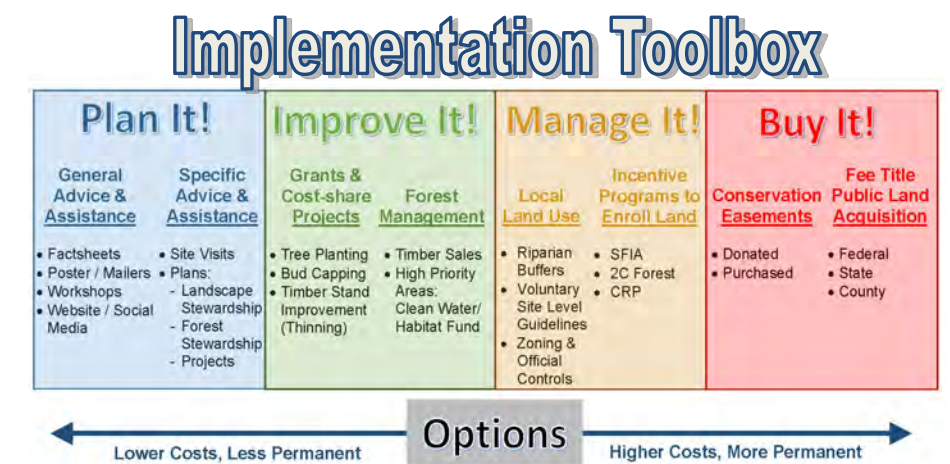
Improving: Ruth Lake

Declining: None, Impaired: None

Stable (No Trend): None

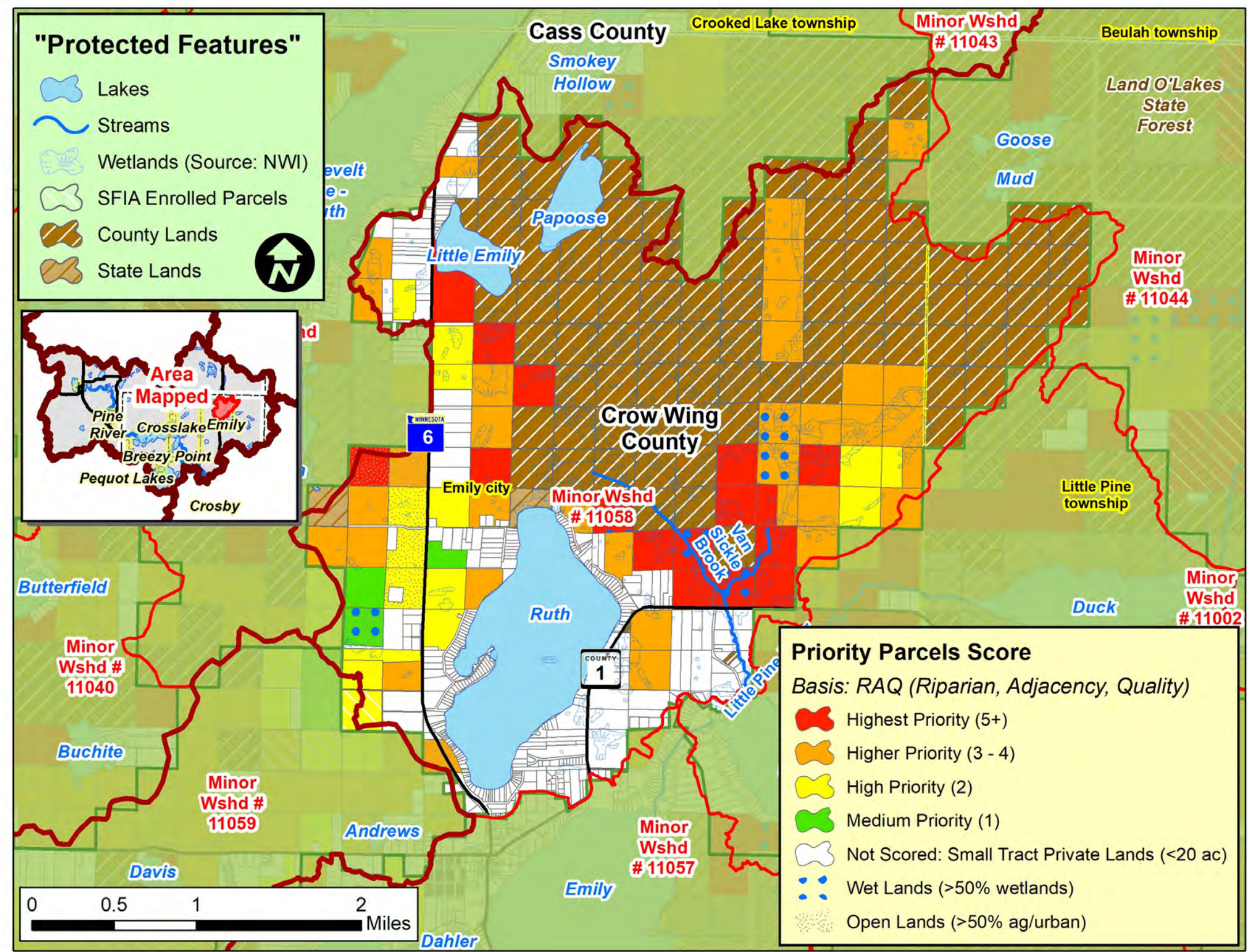


**Forests for the Future**  
Score: 99 (out of 175)





# RAQ Scoring for Parcels in the Ruth L. / Van Sickle Br. Minor Watershed (Minor #11058)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

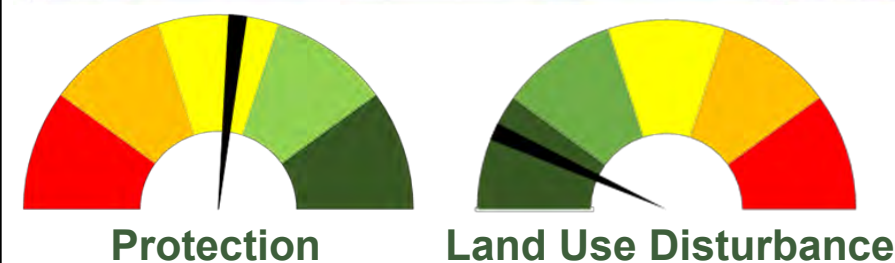
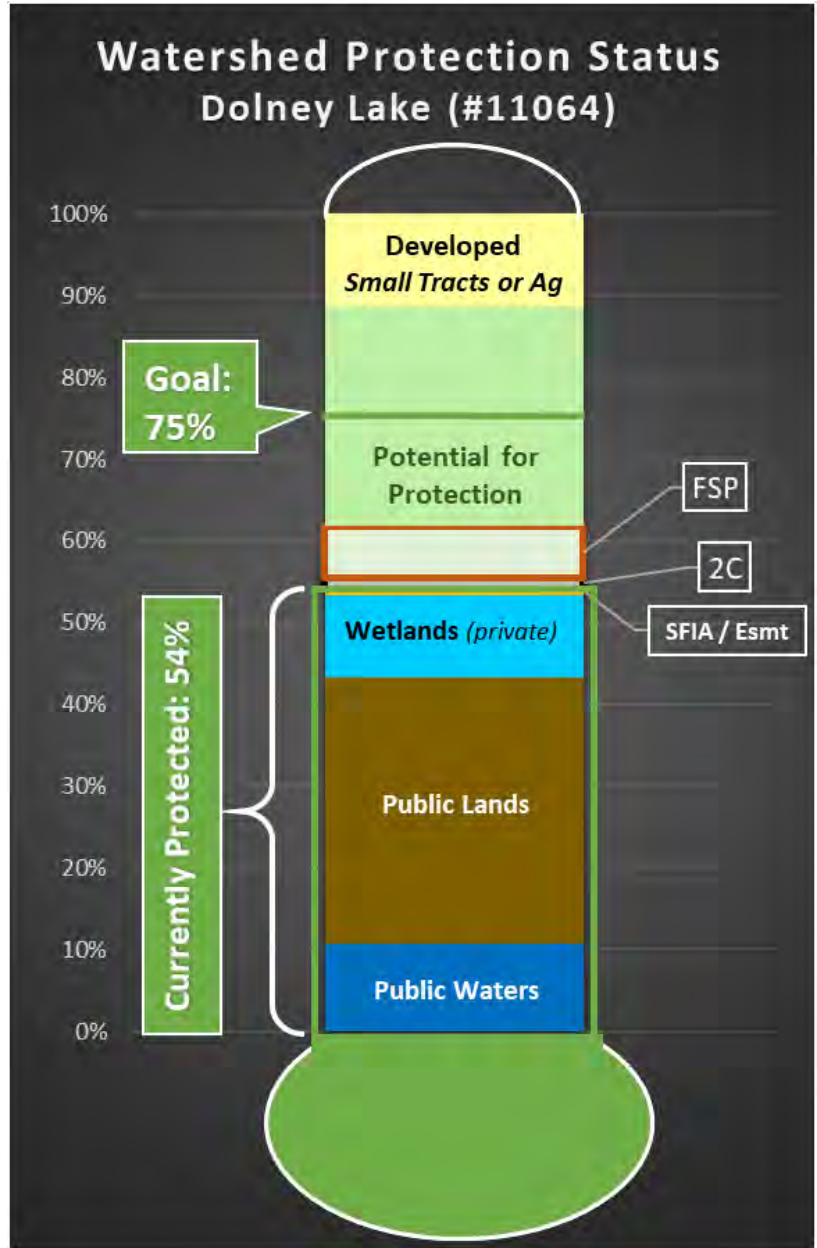
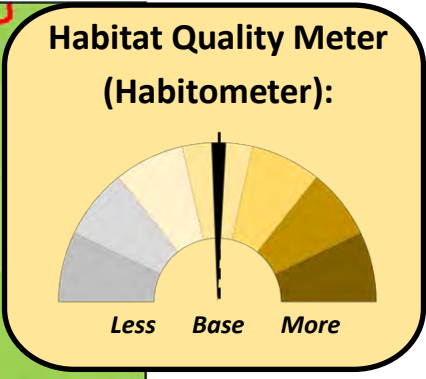
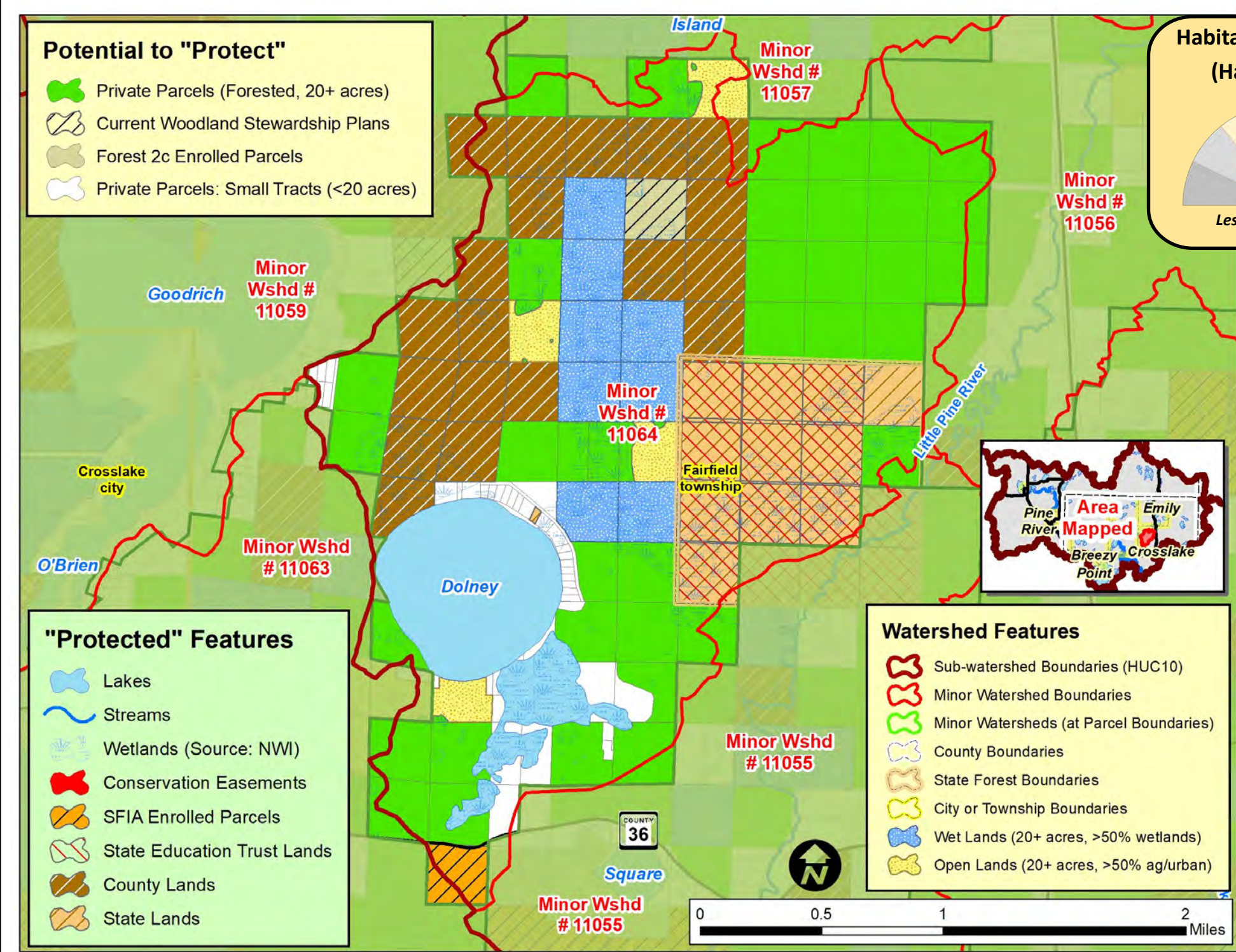
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
<b>General Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Factsheets</li><li>Poster / Mailers</li><li>Workshops</li><li>Website / Social Media</li></ul>	<b>Specific Advice &amp; Assistance</b> <ul style="list-style-type: none"><li>Site Visits</li><li>Plans: Landscape Stewardship - Forest Stewardship - Projects</li></ul>	<b>Grants &amp; Cost-share Projects</b> <ul style="list-style-type: none"><li>Tree Planting</li><li>Bud Capping</li><li>Timber Stand Improvement (Thinning)</li></ul> <b>Forest Management</b> <ul style="list-style-type: none"><li>Timber Sales</li><li>High Priority Areas</li><li>Clean Water/Habitat Fund</li></ul>	<b>Local Land Use</b> <ul style="list-style-type: none"><li>Riparian Buffers</li><li>Voluntary Site Level Guidelines</li><li>Zoning &amp; Official Controls</li></ul> <b>Incentive Programs to Enroll Land</b> <ul style="list-style-type: none"><li>SFIA</li><li>2C Forest</li><li>CRP</li></ul> <b>Conservation Easements</b> <ul style="list-style-type: none"><li>Donated</li><li>Purchased</li></ul> <b>Fee Title Public Land Acquisition</b> <ul style="list-style-type: none"><li>Federal</li><li>State</li><li>County</li></ul>
Options			
Lower Costs, Less Permanent		Higher Costs, More Permanent	



**What is the Potential to Protect the Dolney Lake Minor Watershed (Minor 11064)?**

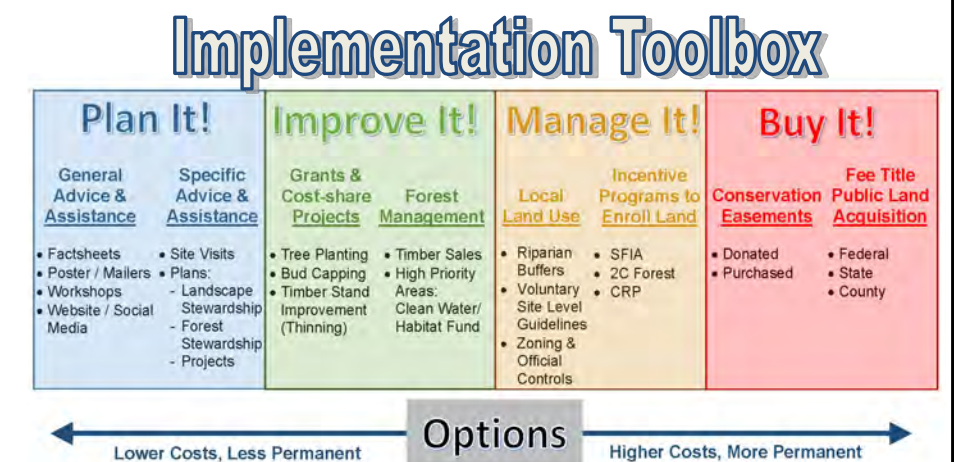


## Water Quality Trends / Impairments:

Improving: None

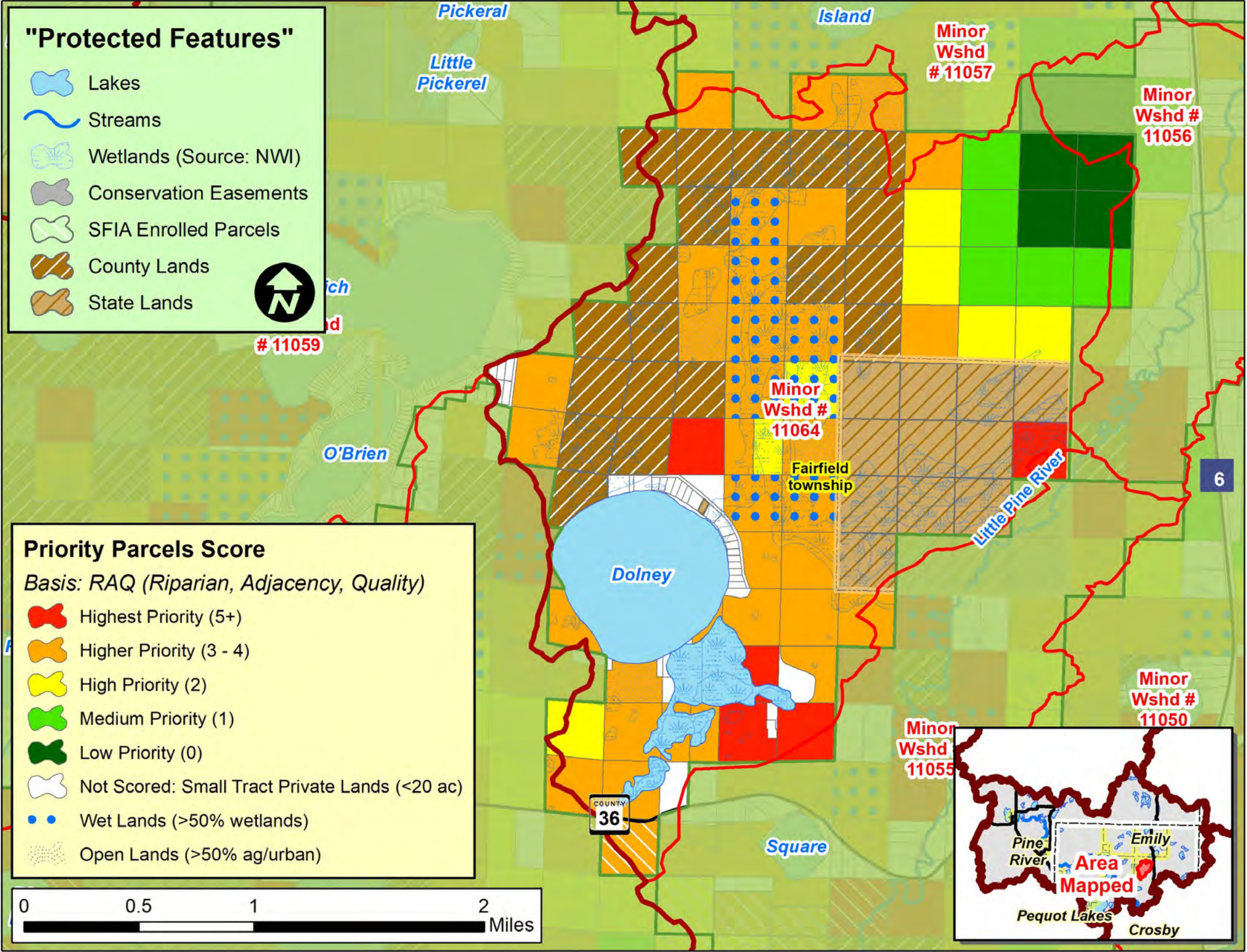
Declining: None Impaired: None

Stable (No Trend): None





# RAQ Scoring for Parcels in the Dolney Lake Minor Watershed (Minor #11064)



Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel touches: such as High or Outstanding Biodiversity (upl. or aqu.), Wild Rice L, Cisco L, Trout L/Streams, etc.
	2	
	1	

\* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

## Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance • Factsheets • Poster / Mailers • Workshops • Website / Social Media	Specific Advice & Assistance • Site Visits • Plans: - Landscape Stewardship - Forest Stewardship Projects	Grants & Cost-share Projects • Tree Planting • Bud Capping • Timber Stand Improvement (Thinning) • Forest Management • Timber Sales • High Priority Areas • Clean Water/Habitat Fund	Local Land Use • Riparian Buffers • Voluntary Site Level Guidelines • Zoning & Official Controls
	Incentive Programs to Enroll Land • SFIA • 2C Forest • CRP	Conservation Easements • Donated • Purchased	Fee Title Public Land Acquisition • Federal • State • County
Options Lower Costs, Less Permanent → Higher Costs, More Permanent			