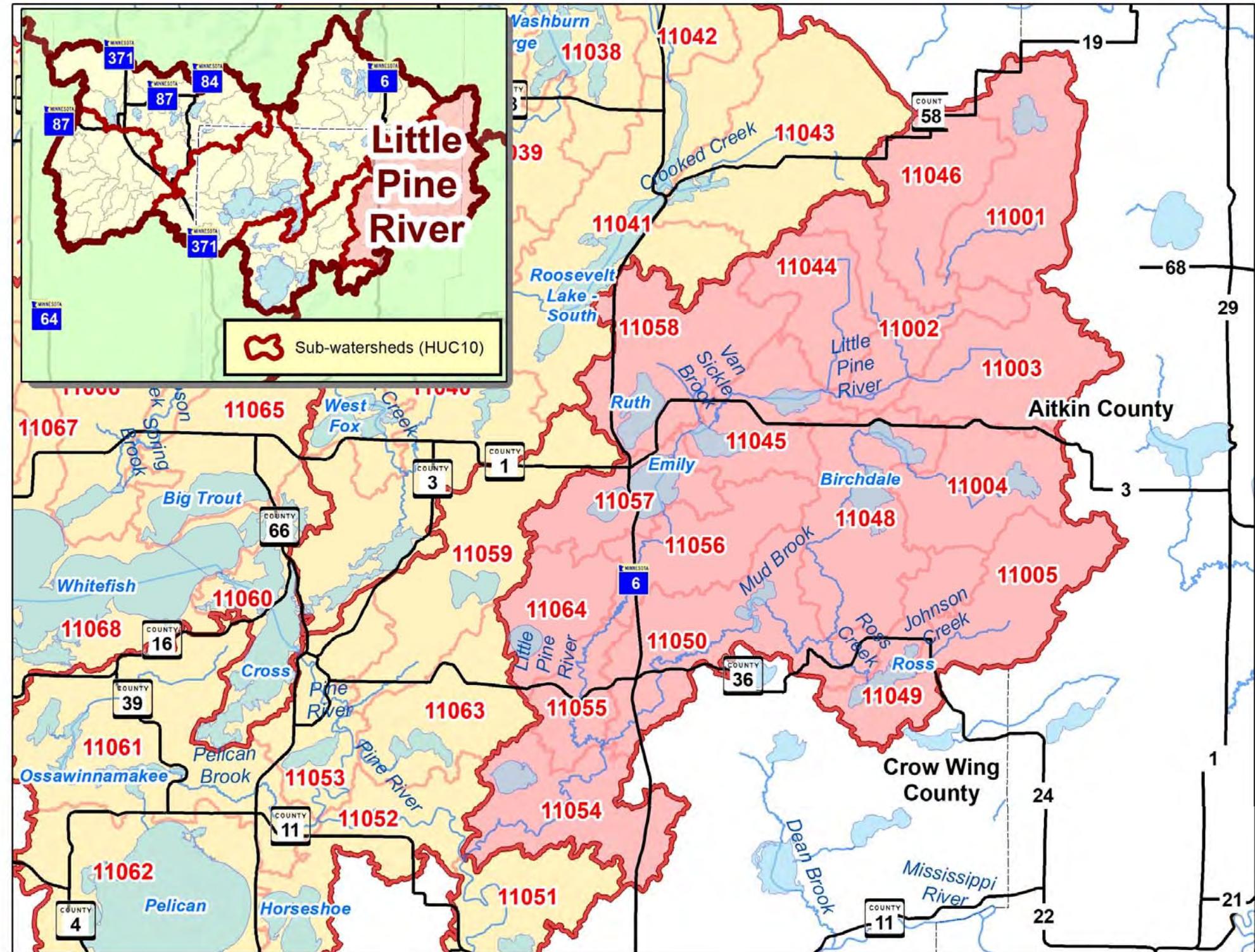


Little Pine River Sub-watershed

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



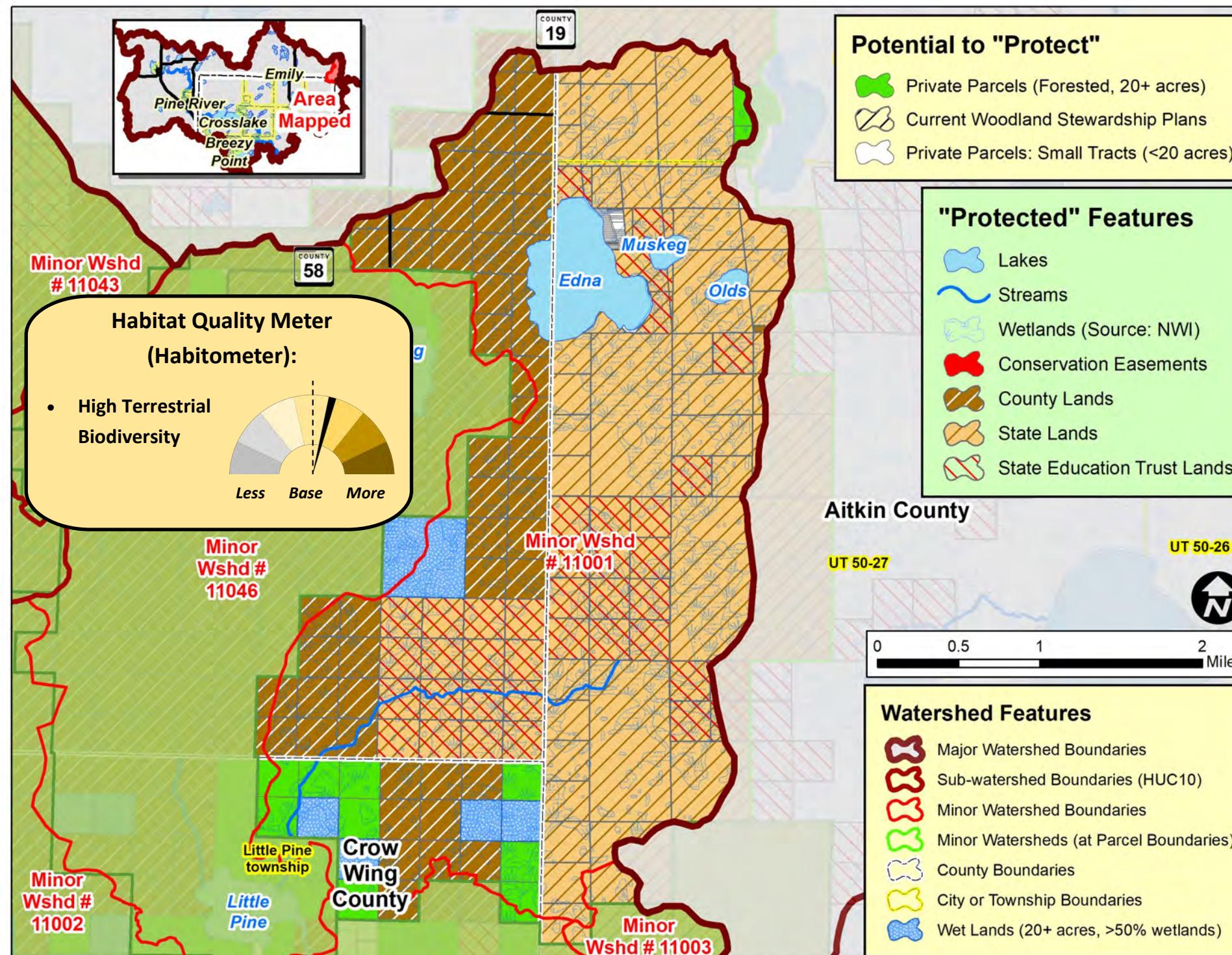
Basics			Risk / Disturbed					Outstanding Surface Water Resources	Protection					Forests / Biodiversity / Potential Native Plant Community System							
Minor #	Acres	Sq Miles	Risk Factors	Lake Phosphorus Sensitivity	Average % Slope	% Altered Water-courses	% Land Disturbance		DNR Lake Protection Classification*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

Sub-watershed (HUC10): Little Pine River

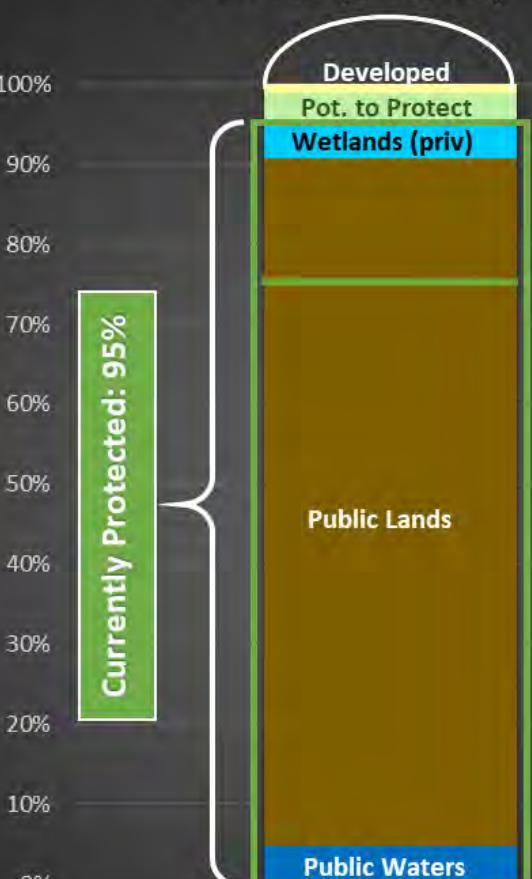
Geomorphology:	Till (largely moraine-based)
Primary Land Cover:	Mesic-Hardwood Forest / Wetlands
Primary Land Uses:	Water-based Tourism, Hunting/Recreation, Forestry
Lake or Stream Based:	Lake & Stream
Quality:	High Terrestrial Biodiversity & Forests for the Future Scores
Risks:	Development
Management 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	Protection	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		
11003	Starry L.	6089	Stream	75%	88.9%	Goal Met	451	\$0		Vigilance	Opportunism	MH	X		X			?	Bio-diversity	4.6									X		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					
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	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	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	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	Local Decision		
11054	Adney/Perry Lakes	6224	Lake/Stream	75%	55.1%	1237	1829	\$1,185,910	Protection		Active	MH		X	X			X	High Bio-diversity	3.85	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	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	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	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	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	Local Decision	

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



Watershed Protection Status East Cr. (#11001)



Protection Goal Met!



Water Quality Trends / Impairments:

Improving: None

Declining: None, Impaired: None

Stable (No Trend): None

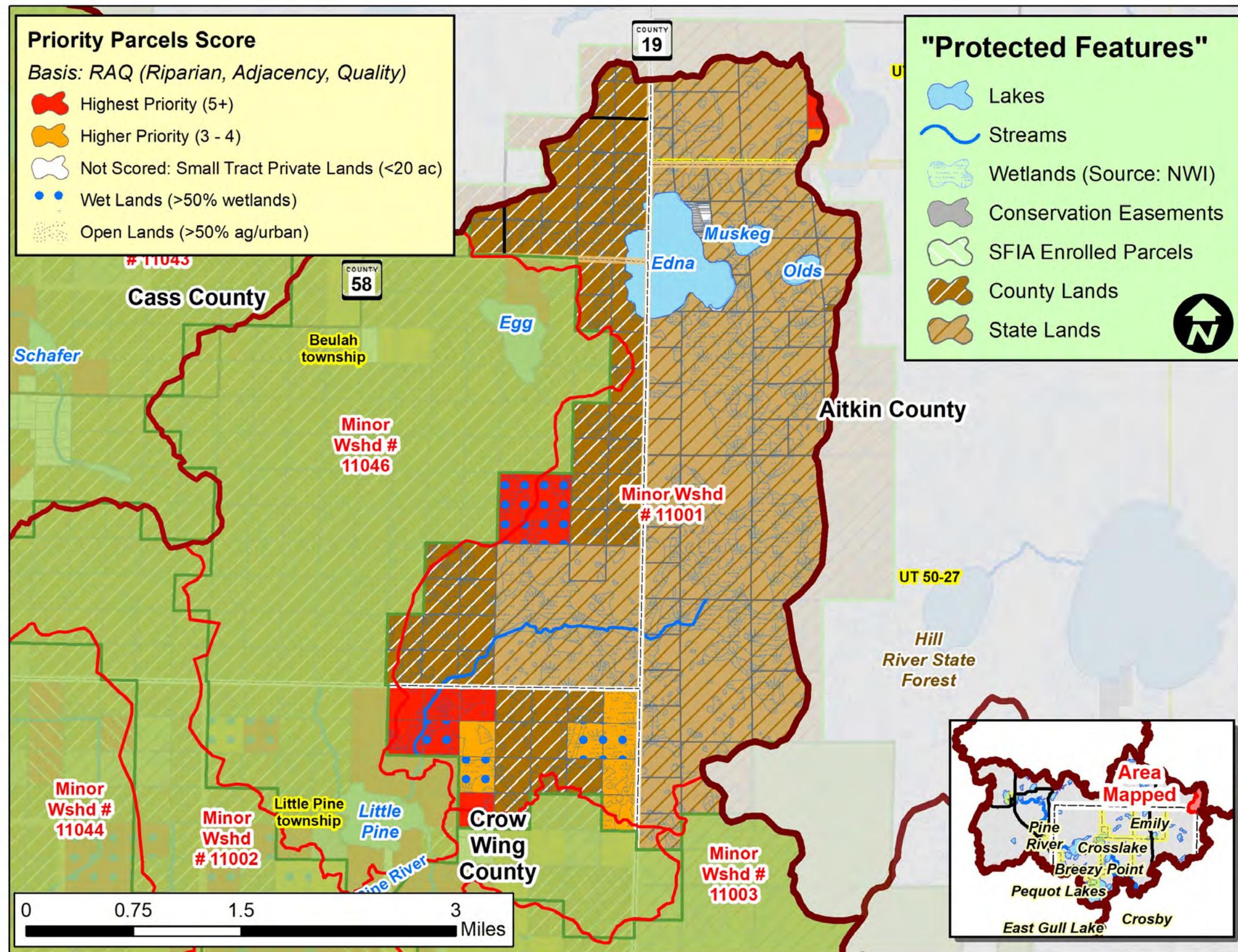


Implementation Toolbox

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

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

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

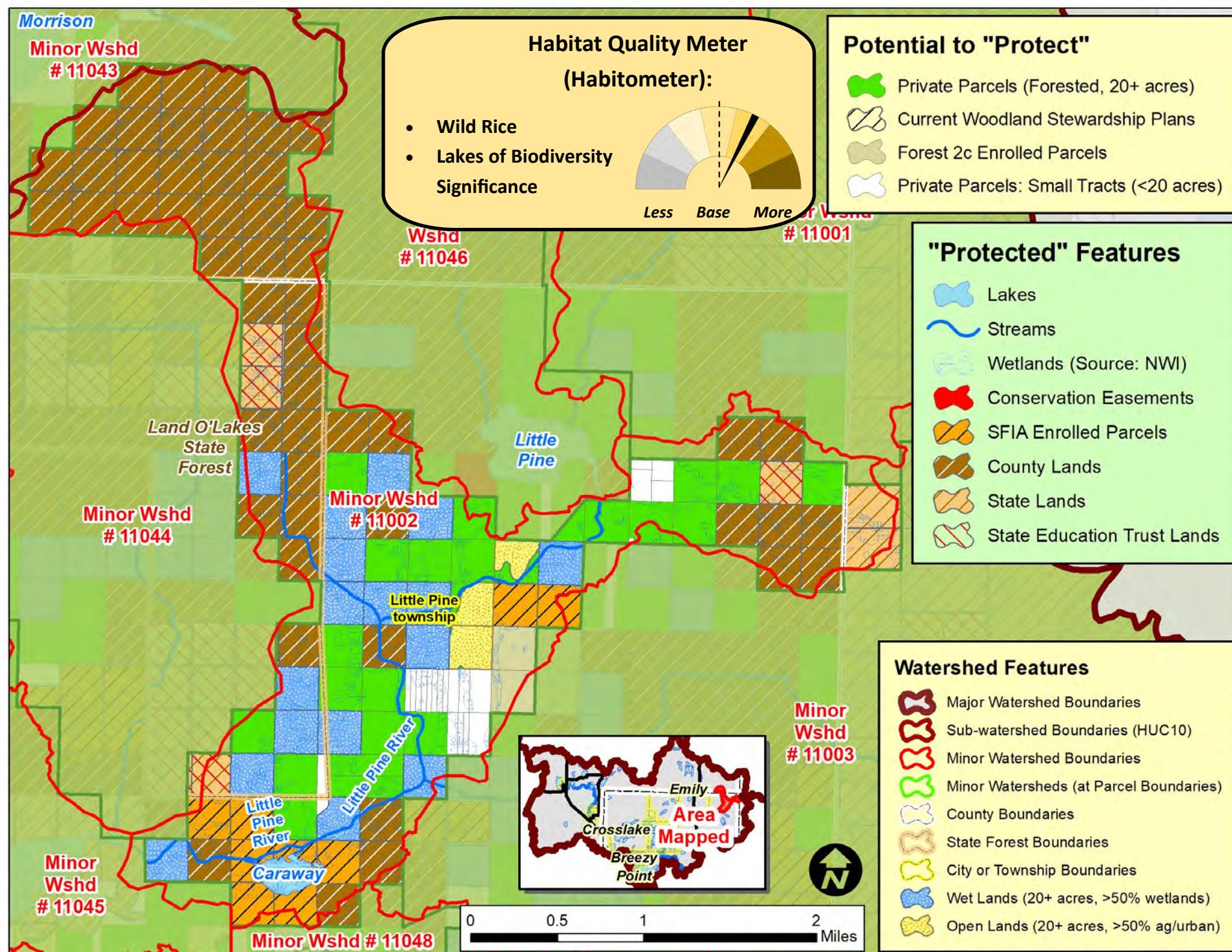


Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel 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)

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

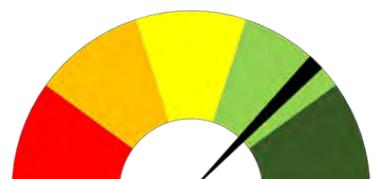


Water Quality Trends / Impairments:

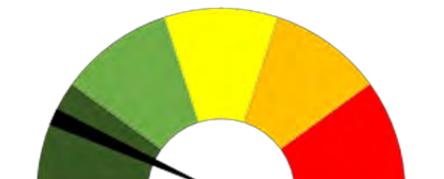
Improving: None

Declining: None, Impaired: None

Stable (No Trend): None



Protection

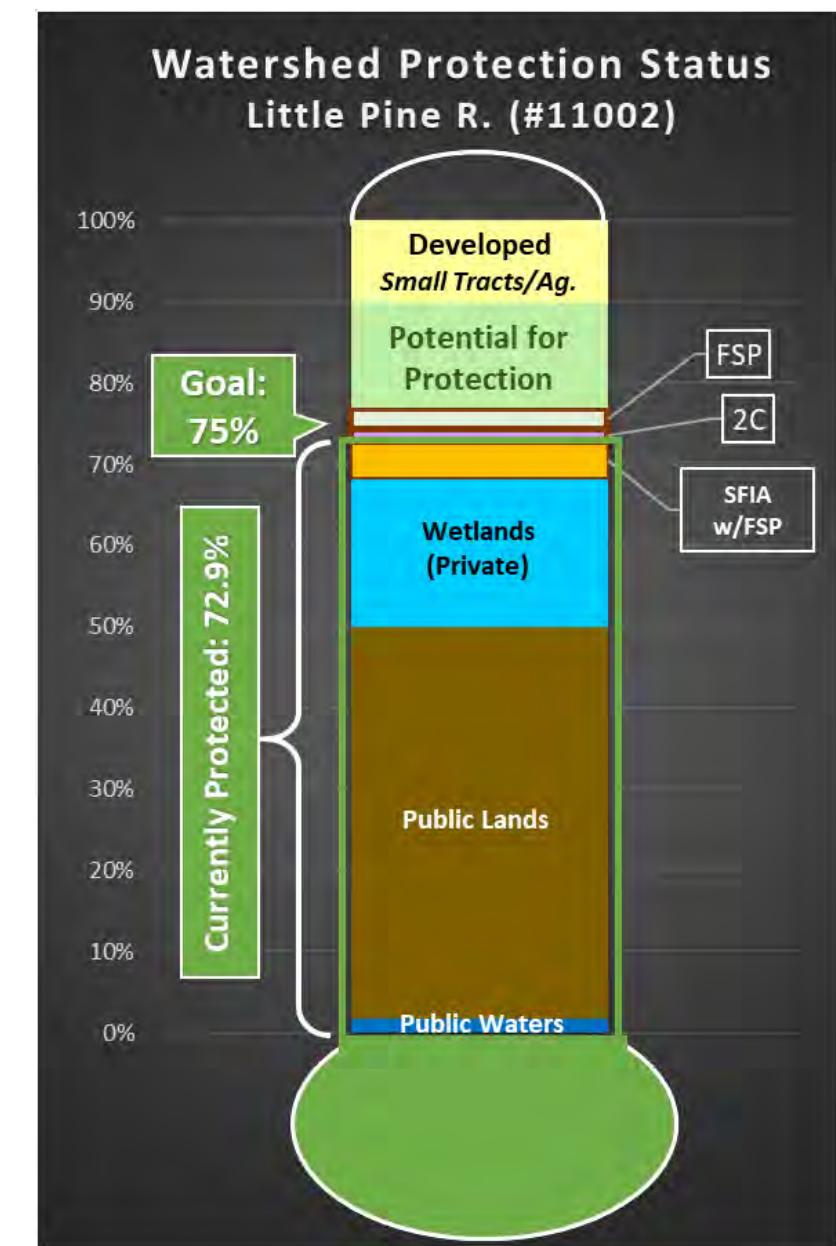


Land Use Disturbance



Forests for the Future
Score: 107 (out of 175)

Watershed Protection Status Little Pine R. (#11002)



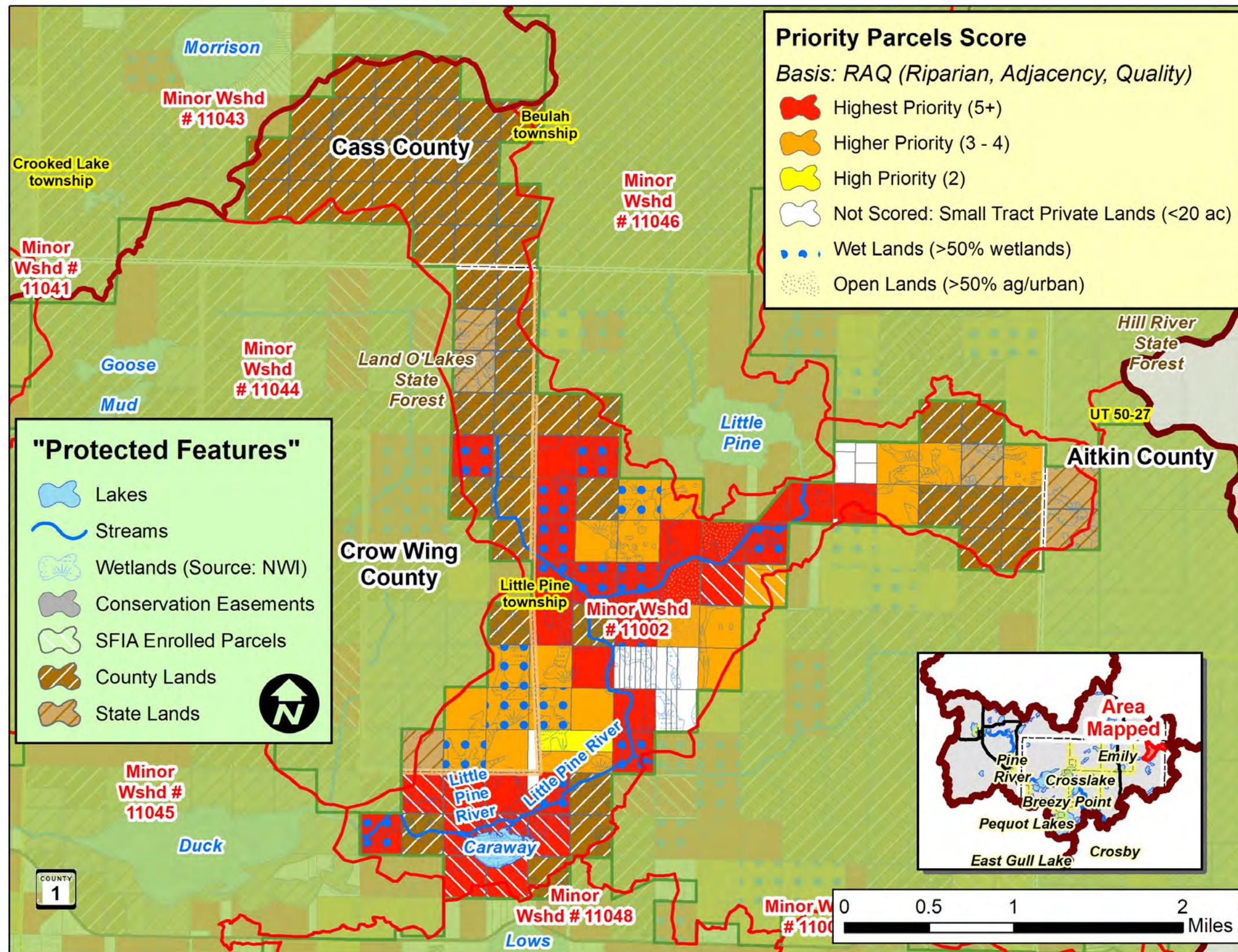
Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance	Specific Advice & Assistance	Grants & Cost-share Projects	Incentive Programs to Enroll Land
<ul style="list-style-type: none"> Factsheets Poster / Mailers Workshops Website / Social Media 	<ul style="list-style-type: none"> Site Visits Plans: <ul style="list-style-type: none"> Landscape Stewardship Forest Stewardship Projects 	<ul style="list-style-type: none"> Tree Planting Bud Capping Timber Stand Improvement (Thinning) 	<ul style="list-style-type: none"> Riparian Buffers Voluntary Site Level Guidelines Zoning & Official Controls

Options

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

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	

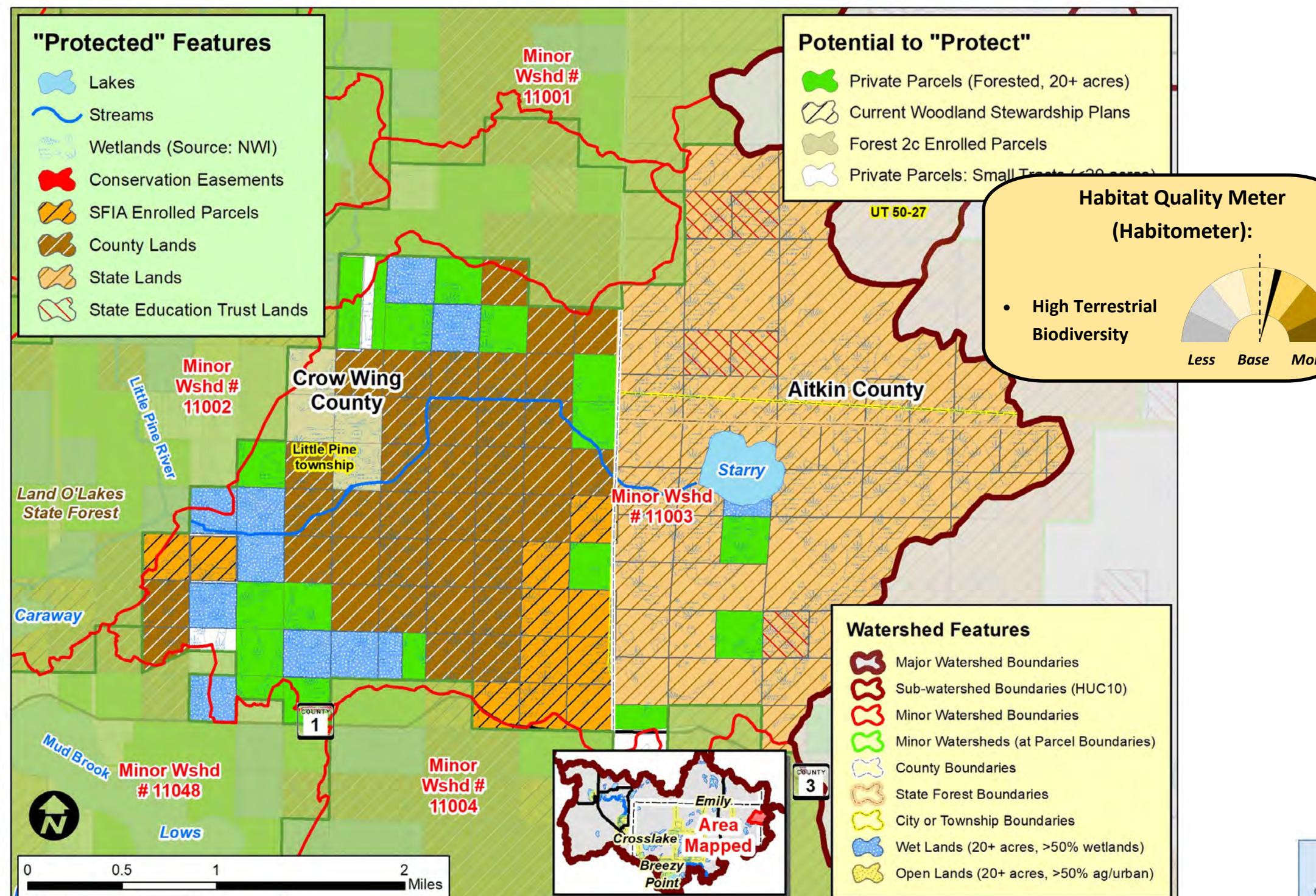
* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- 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



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

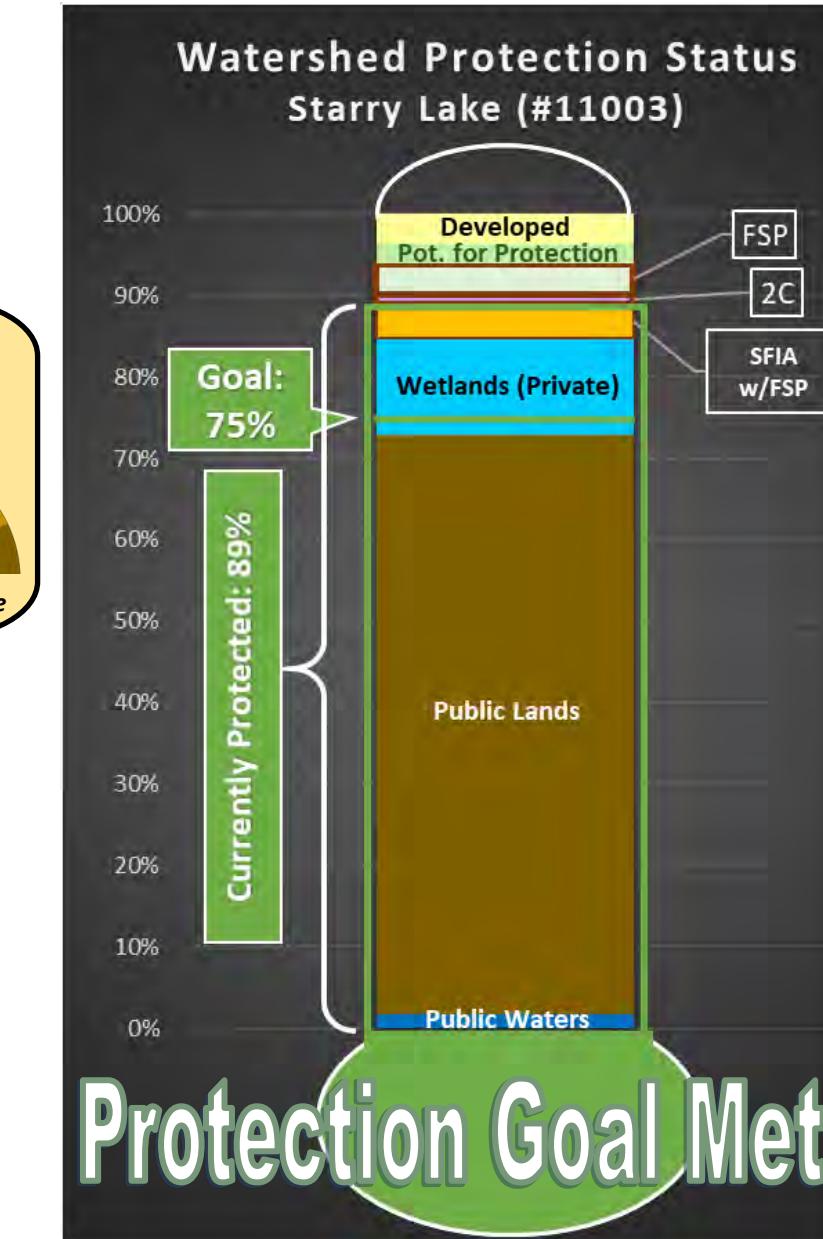


Water Quality Trends / Impairments:

Improving: None

Declining: None, Impaired: None

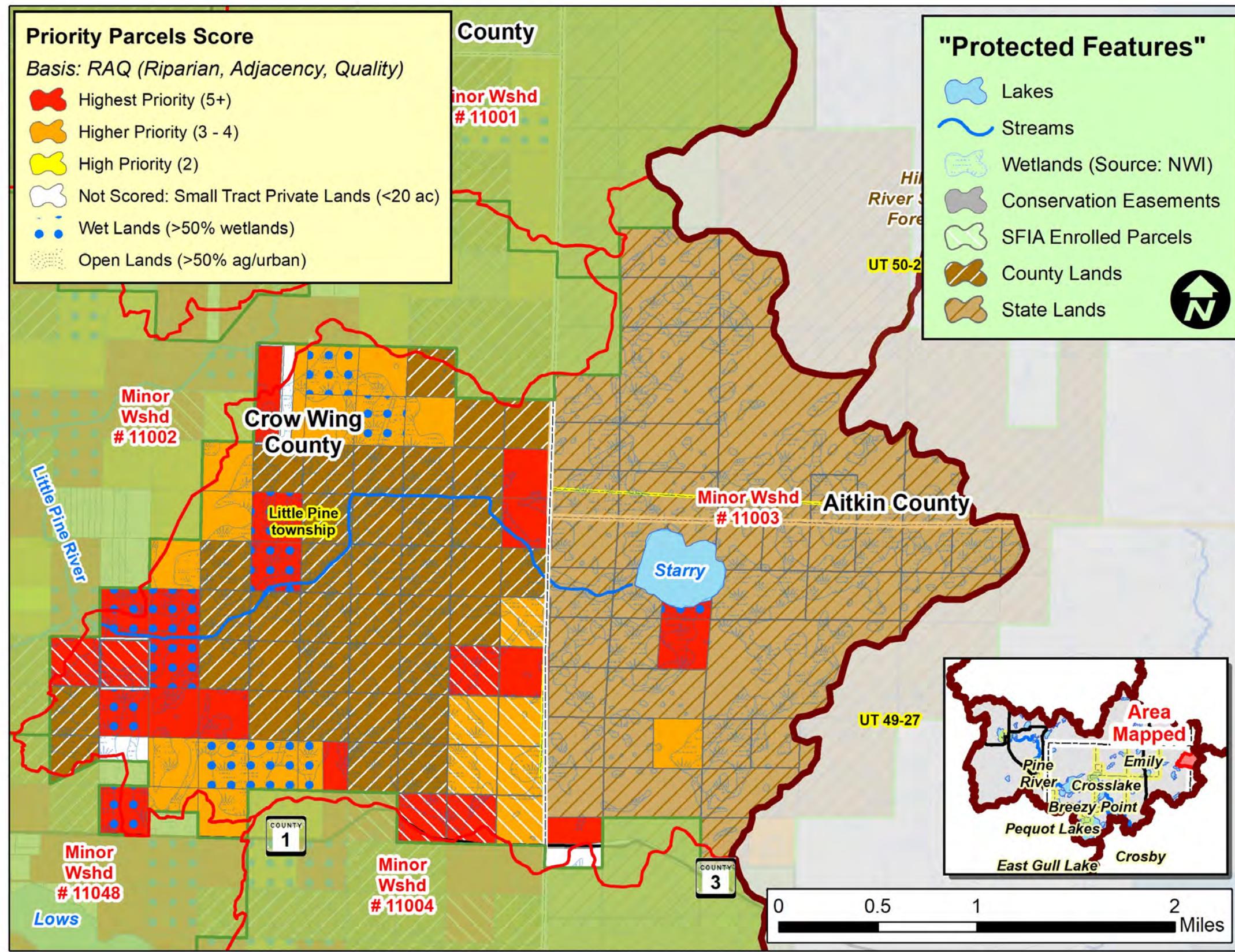
Stable (No Trend): None



Implementation Toolbox



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

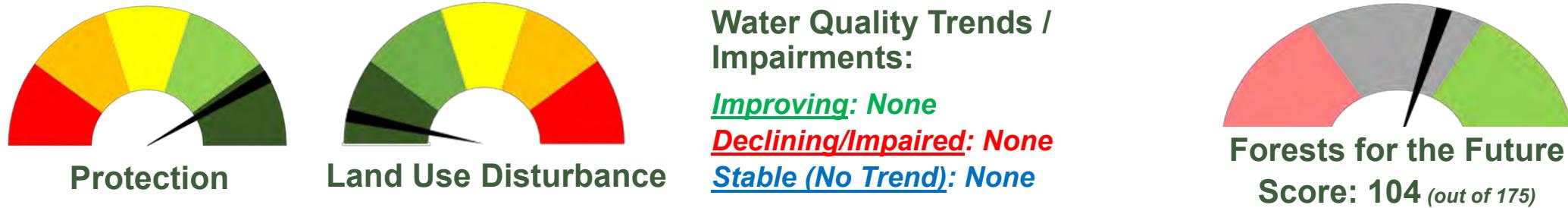
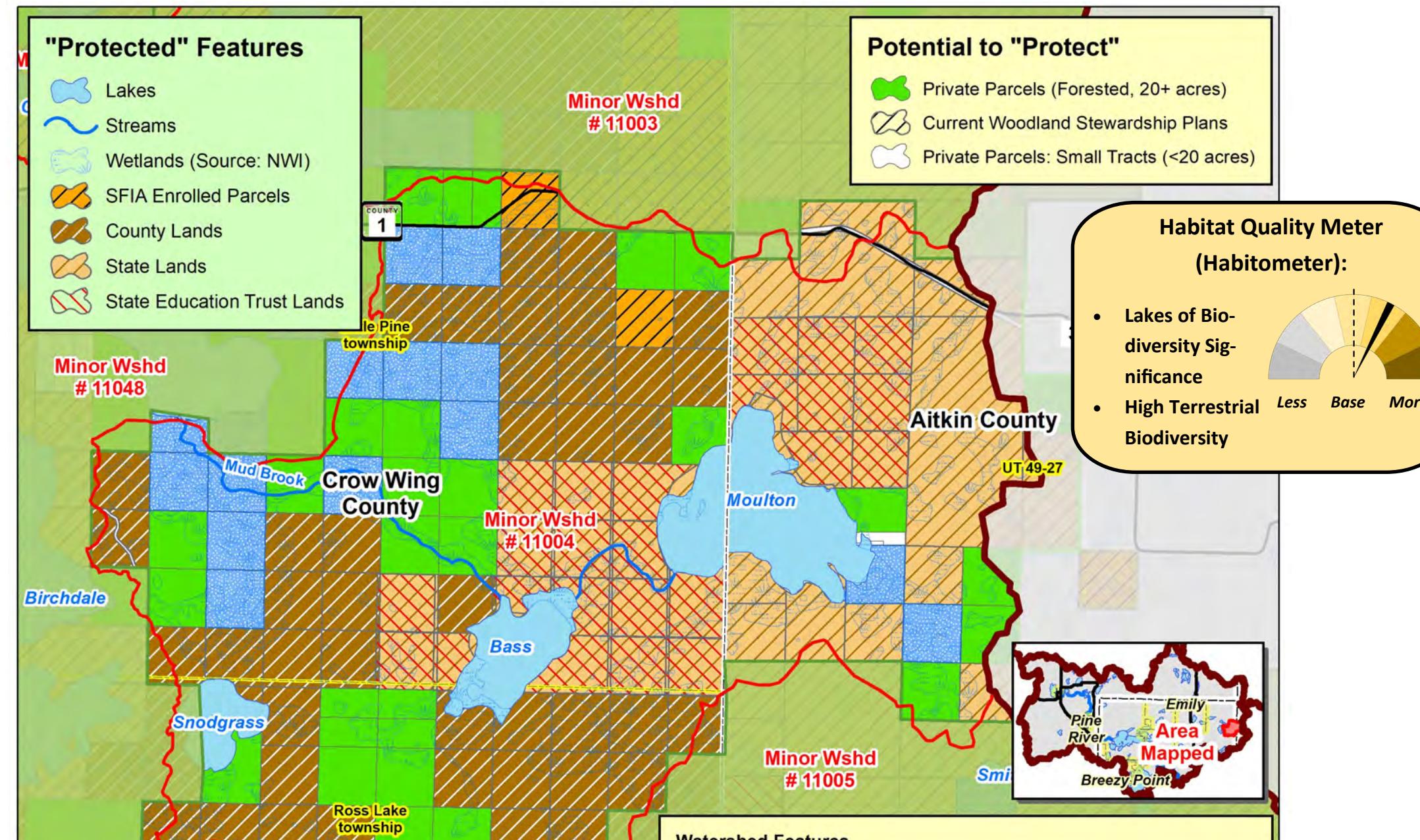


Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel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

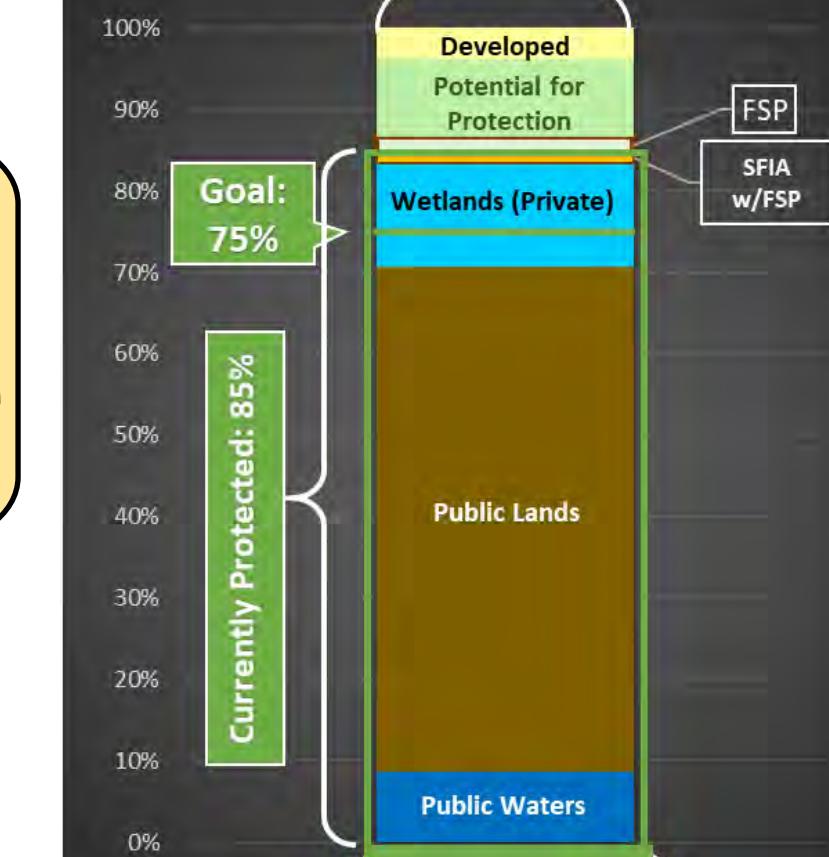
* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- 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)

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



Watershed Protection Status Mud Brook / Bass Lake (#11004)



Protection Goal Met!

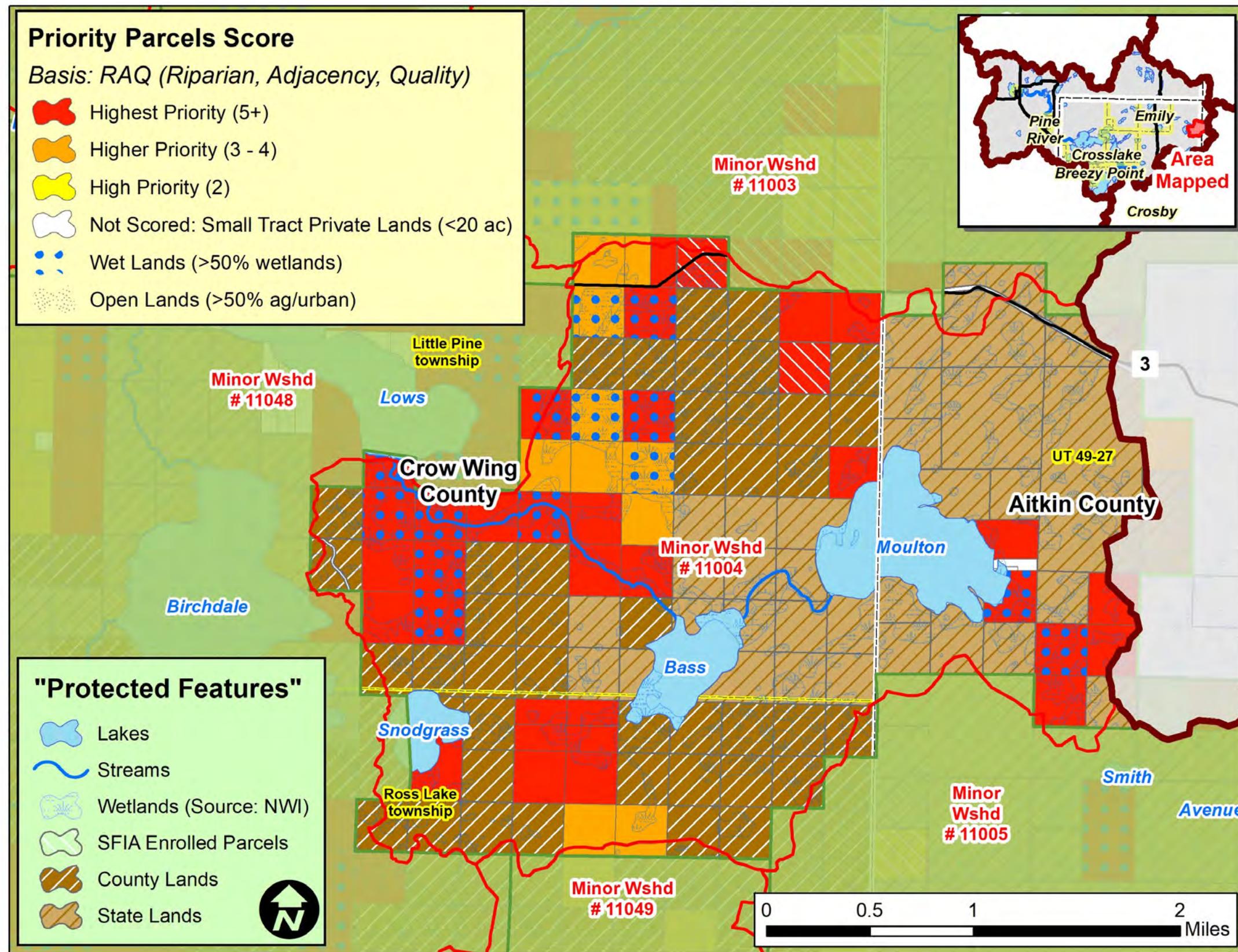
Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance	Specific Advice & Assistance	Grants & Cost-share Projects	Incentive Programs to Enroll Land
<ul style="list-style-type: none"> Factsheets Poster / Mailers Workshops Website / Social Media 	<ul style="list-style-type: none"> Site Visits Plans: <ul style="list-style-type: none"> Landscape Stewardship Forest Stewardship Projects 	<ul style="list-style-type: none"> Tree Planting Bud Capping Timber Stand Improvement (Thinning) 	<ul style="list-style-type: none"> Riparian Buffers Voluntary Site Level Guidelines Zoning & Official Controls
		Forest Management	Local Land Use
			<ul style="list-style-type: none"> SFIA 2C Forest CRP
			<ul style="list-style-type: none"> Federal State County

Options

Lower Costs, Less Permanent Higher Costs, More Permanent

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	

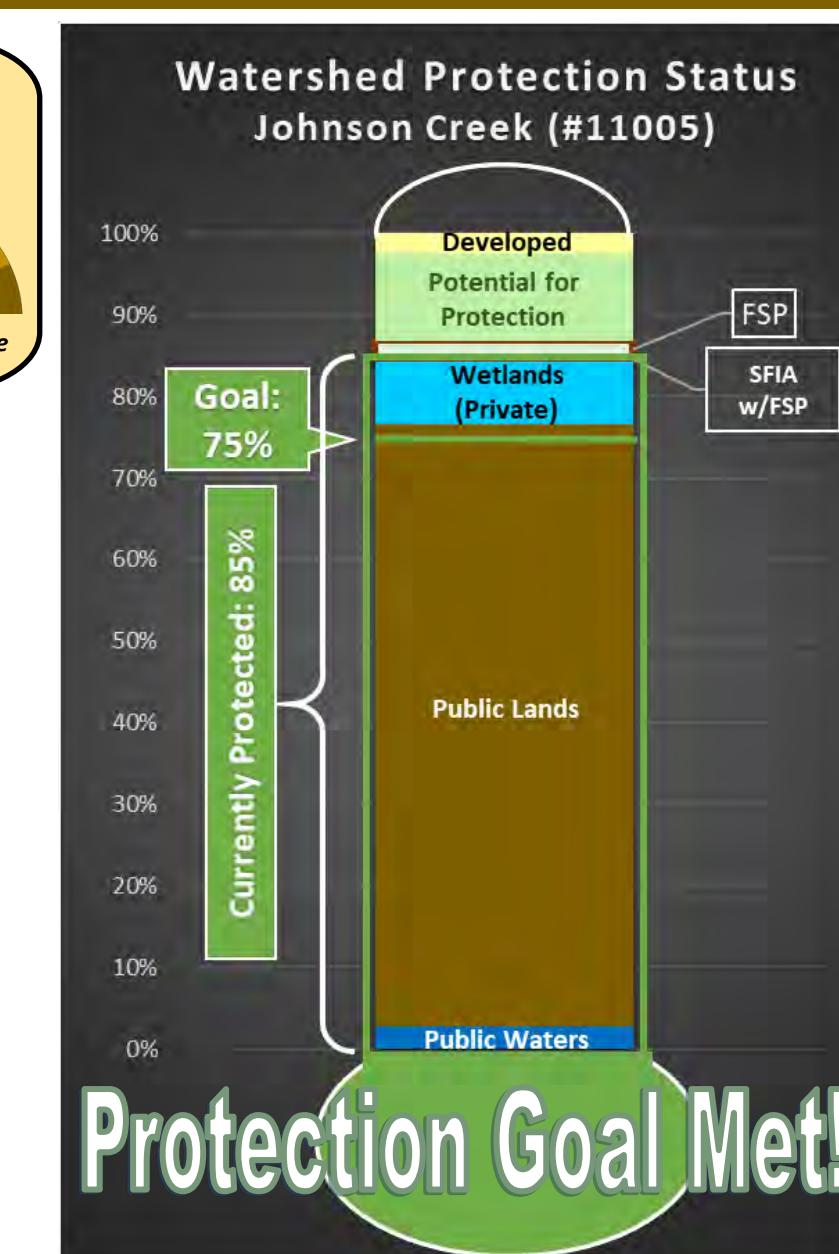
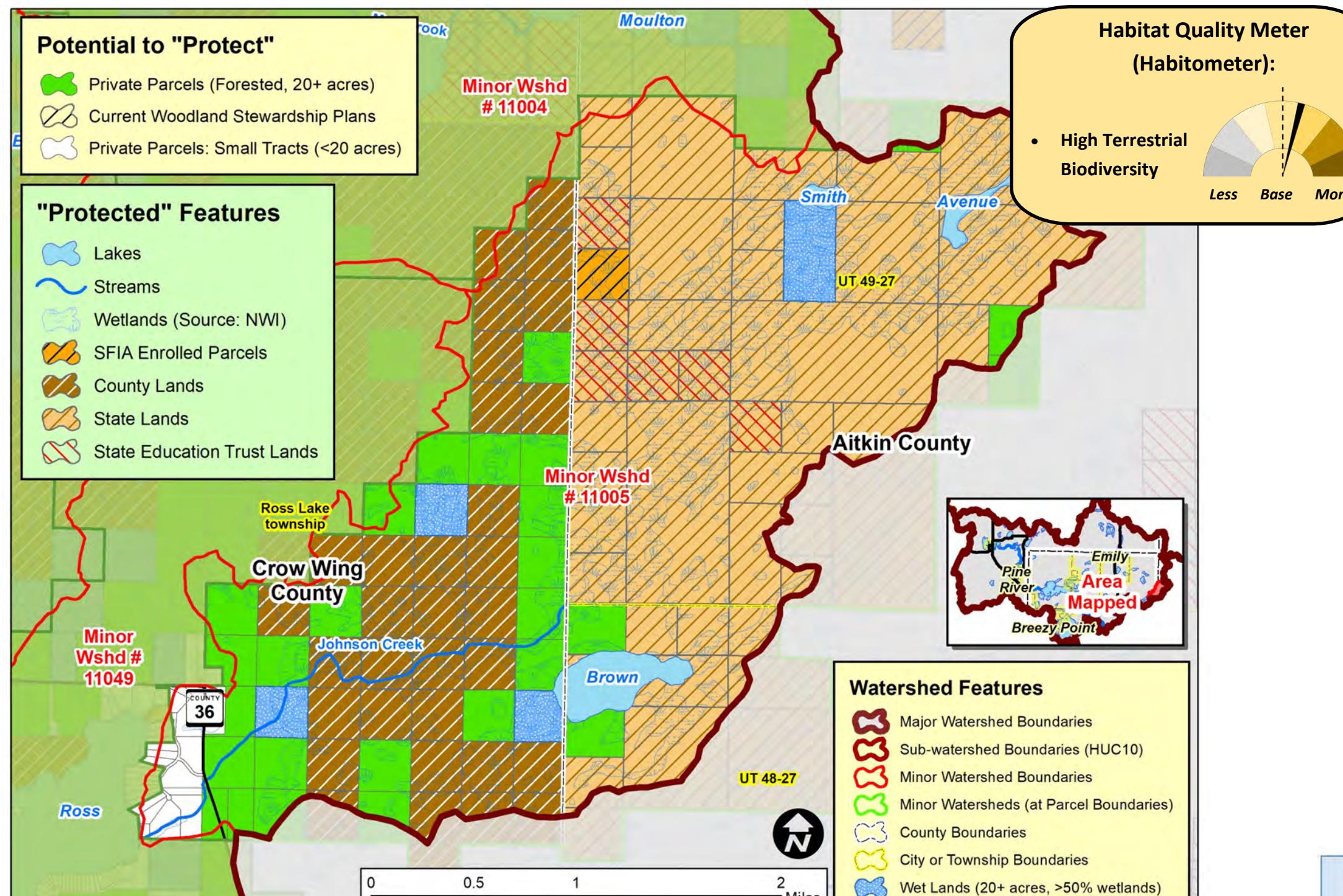
* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

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

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



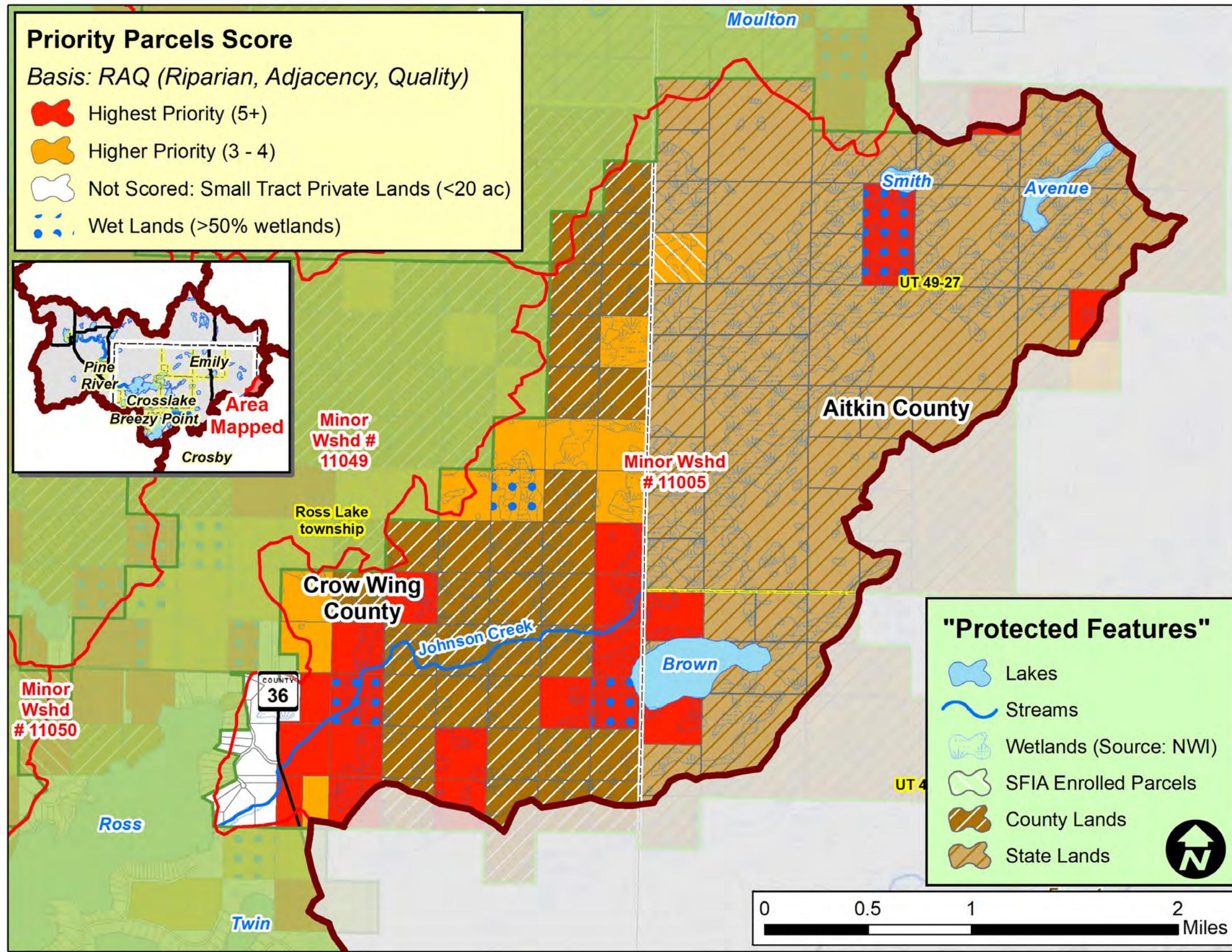
Implementation Toolbox

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

Options

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

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



Scoring Criteria:		
	3	Riparian
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	

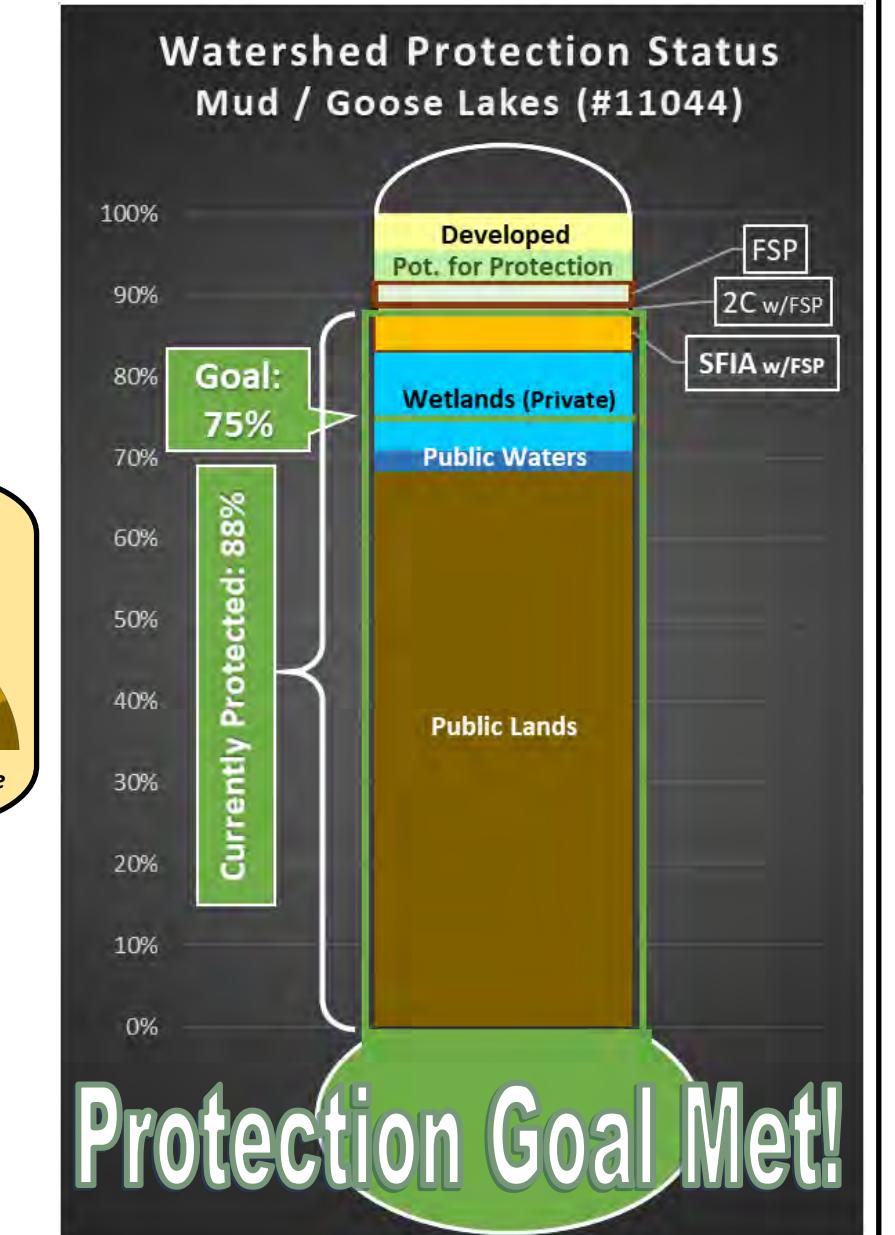
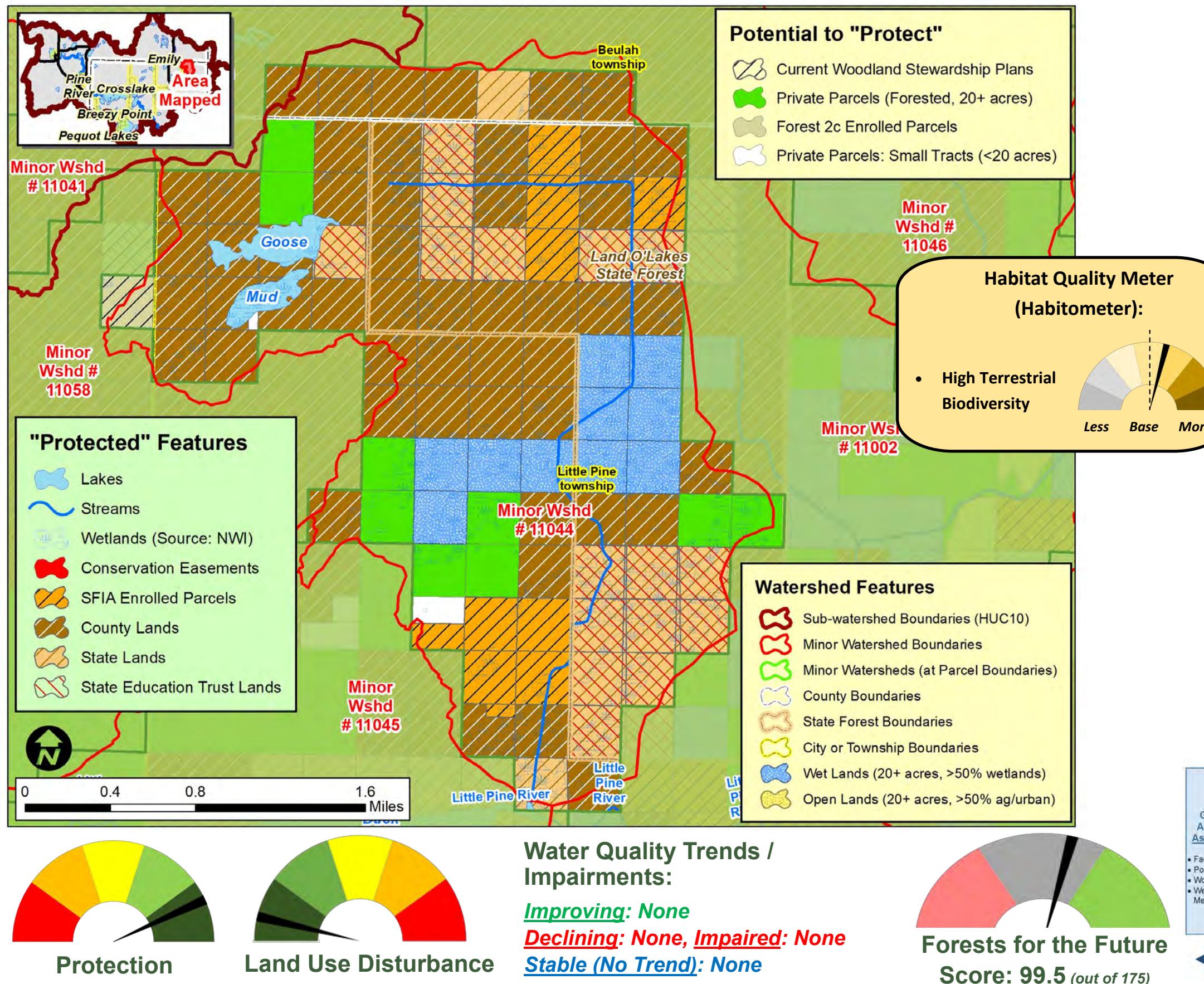
* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- 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 • Bud Capping • Timber Sales • Timber Stand Improvement (Thinning) • Forest Management	Grants & Cost-share Projects • Tree Planting • Forest Management • Riparian Buffers • SFIA • 2C Forest • CRP • Voluntary • High Priority • Areas • Clean Water/ Habitat Fund • Zoning & Official Controls	Incentive Programs to Enroll Land • Local Land Use • Conservation Easements • Fee Title • Public Land Acquisition • Donated • Purchased • Federal • State • County
Lower Costs, Less Permanent	Options	Higher Costs, More Permanent	

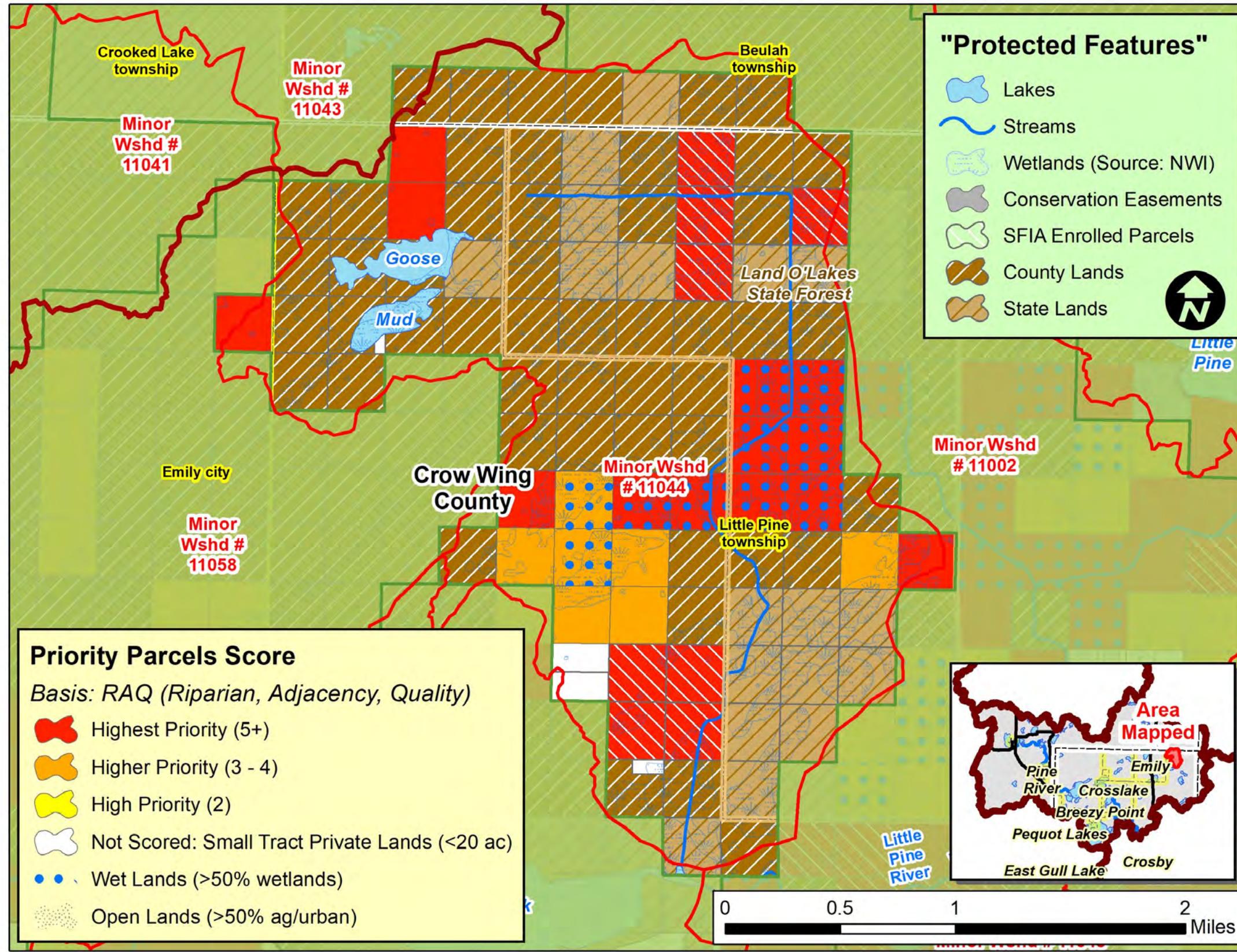
What is the Potential to Protect the Mud / Goose Lakes Minor Watershed (Minor 11044)?



Implementation Toolbox



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:

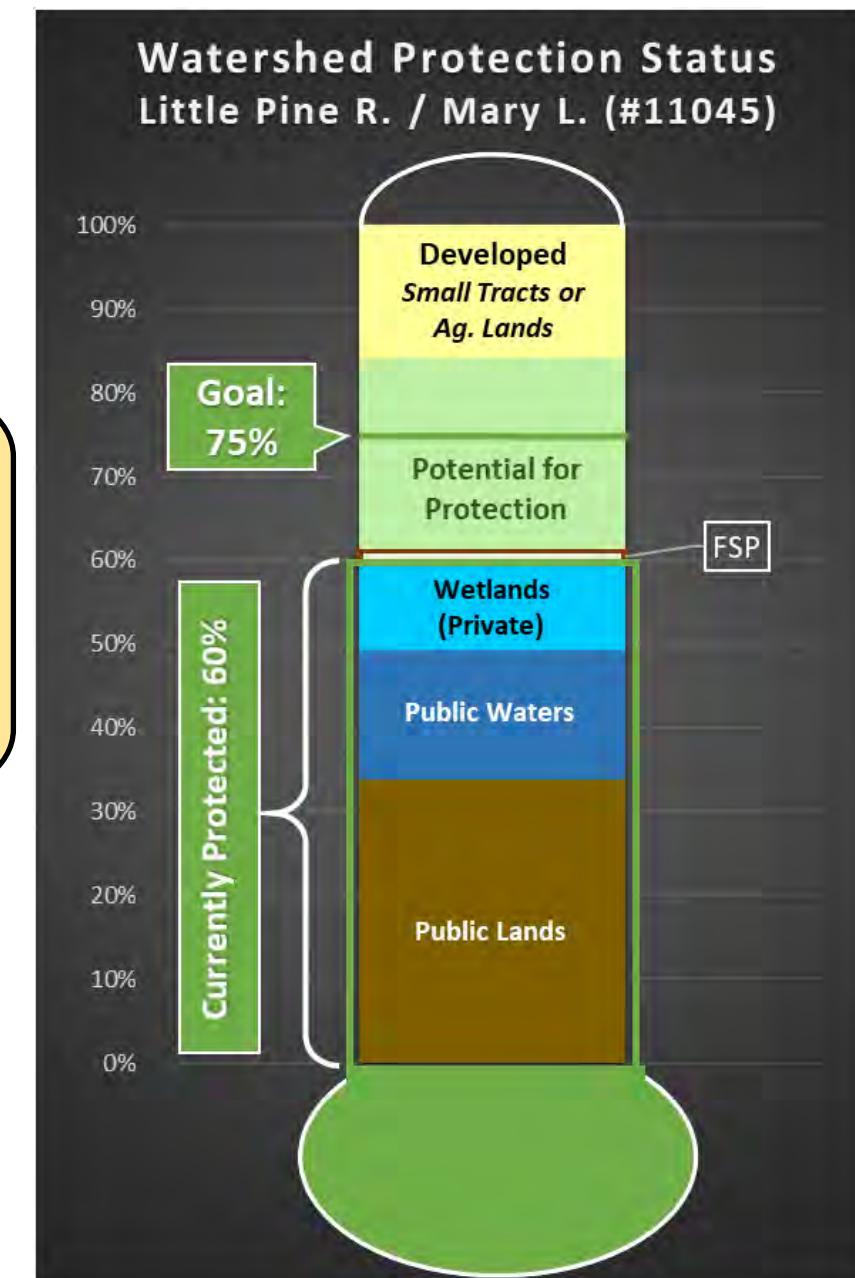
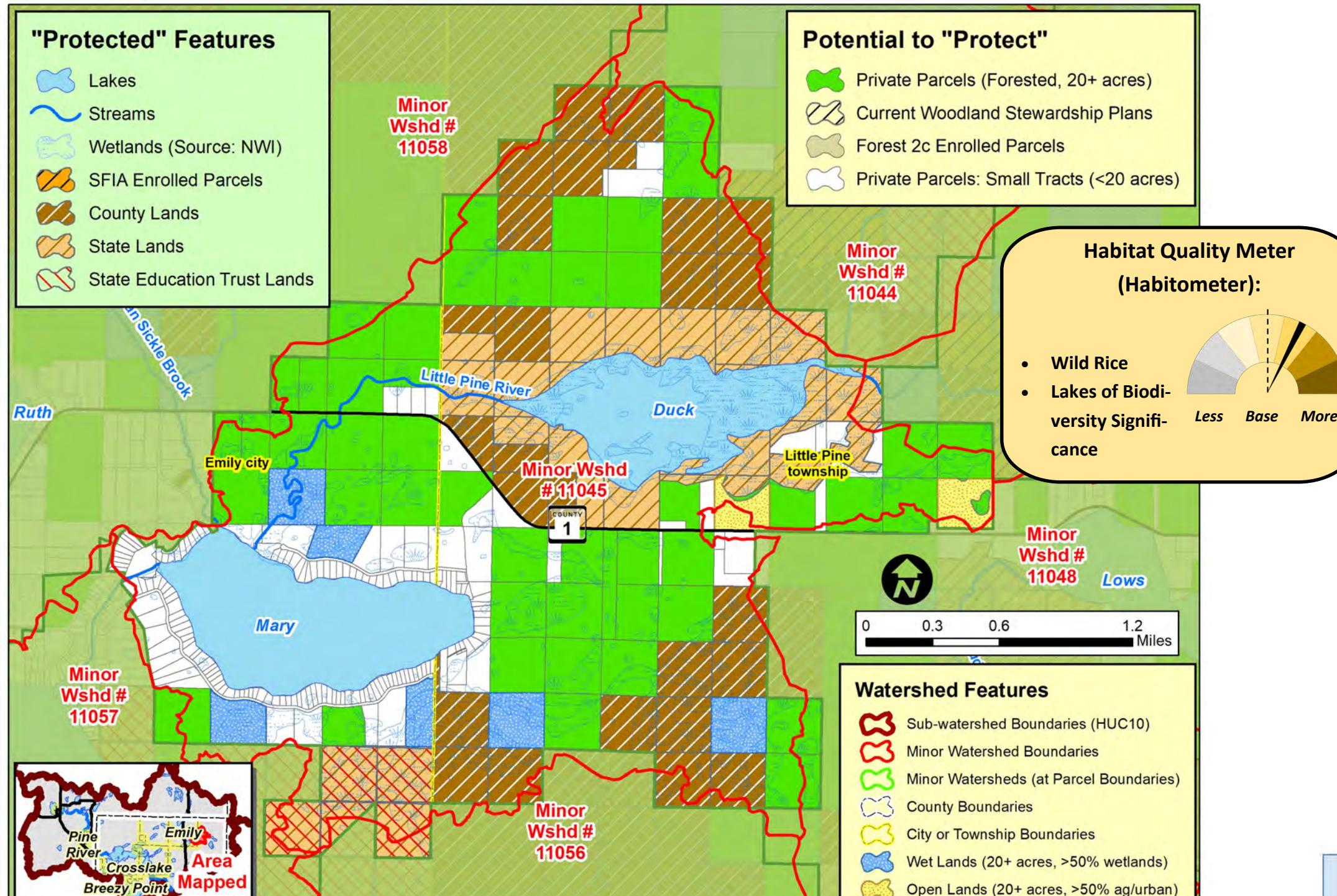
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

Implementation Toolbox

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

Lower Costs, Less Permanent Options Higher Costs, More Permanent

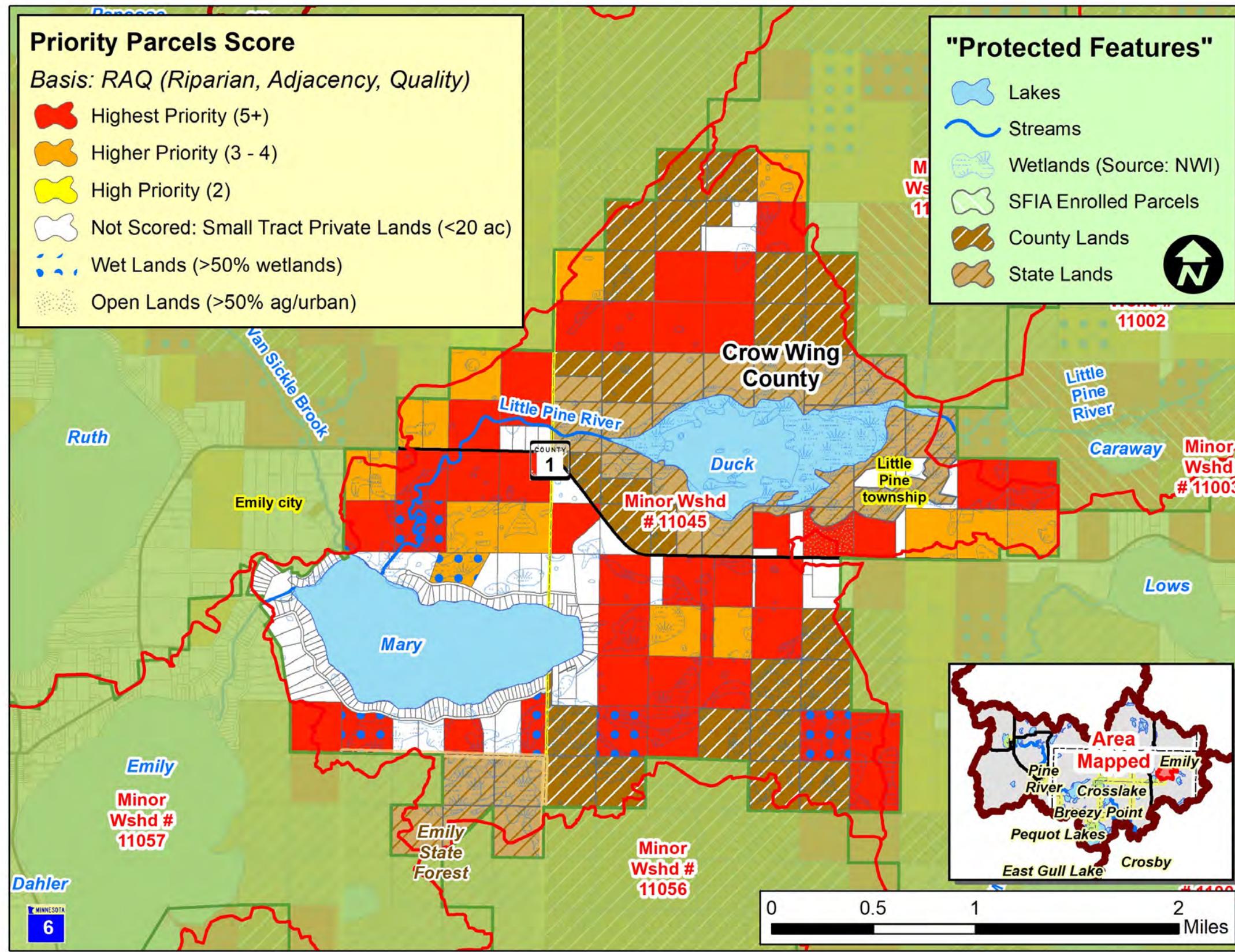
What is the Potential to Protect the Little Pine R. / Mary L. Minor Watershed (Minor 11045)?



Implementation Toolbox



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	

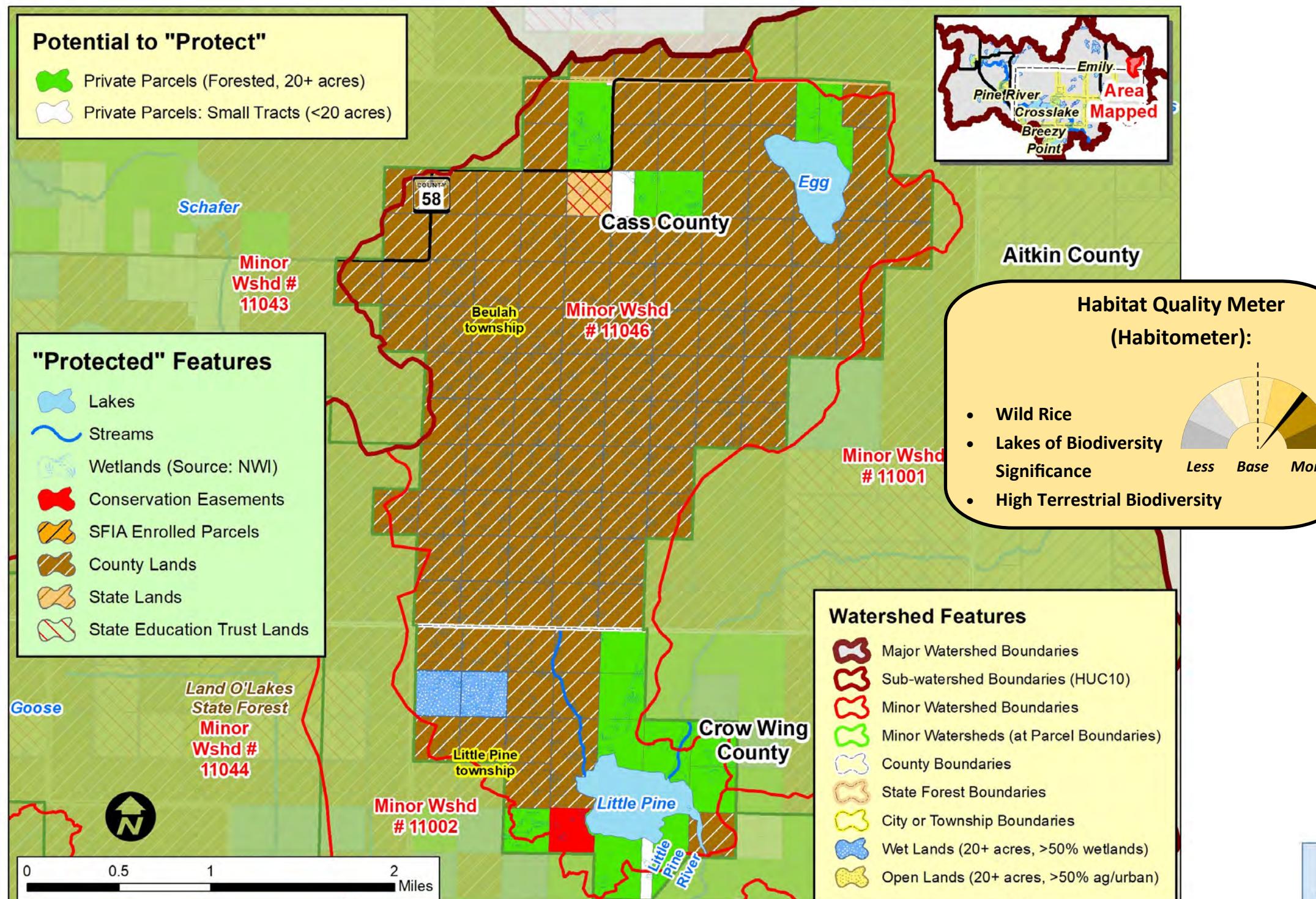
* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- 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



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

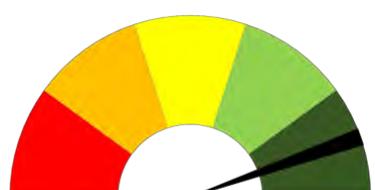


Water Quality Trends / Impairments:

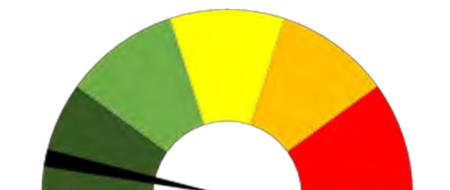
Improving: None

Declining: None, Impaired: None

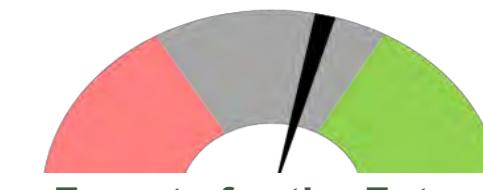
Stable (No Trend): None



Protection

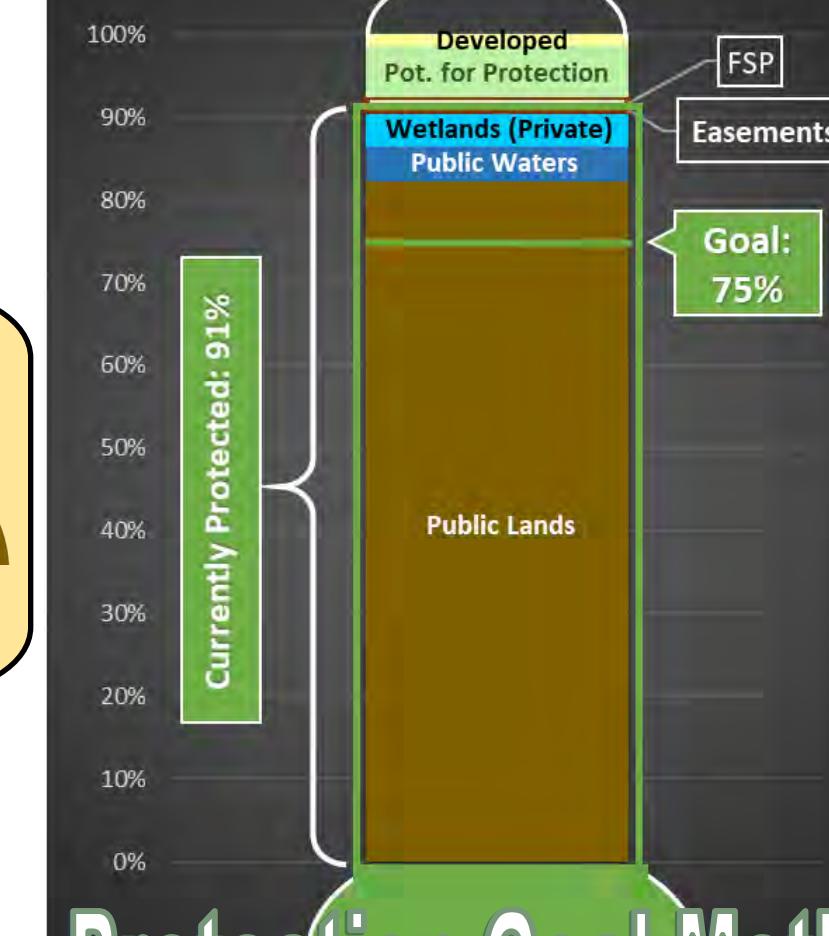


Land Use Disturbance



Forests for the Future
Score: 99.5 (out of 175)

Watershed Protection Status Little Pine Lake (#11046)

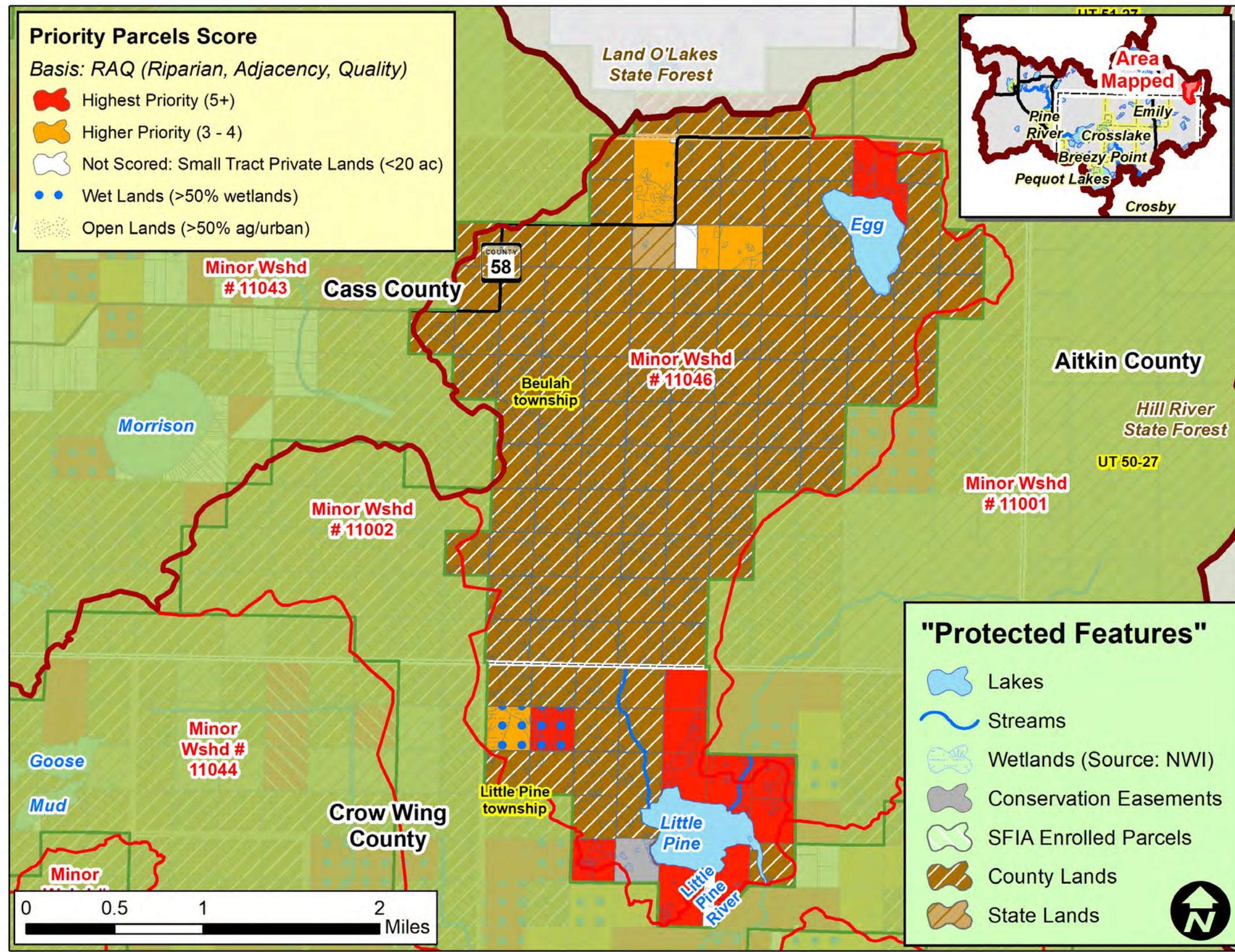


Protection Goal Met!

Implementation Toolbox



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	

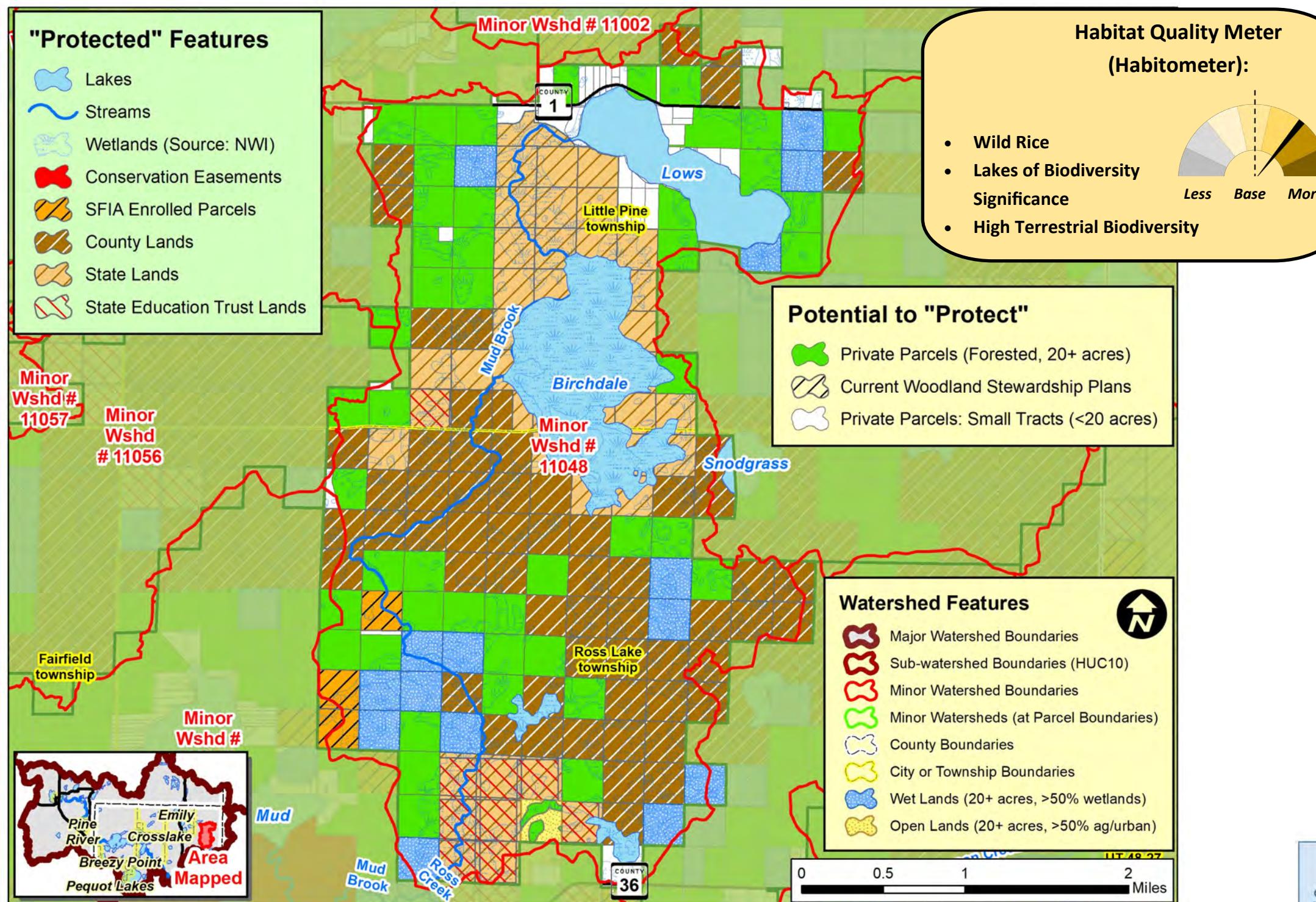
* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

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

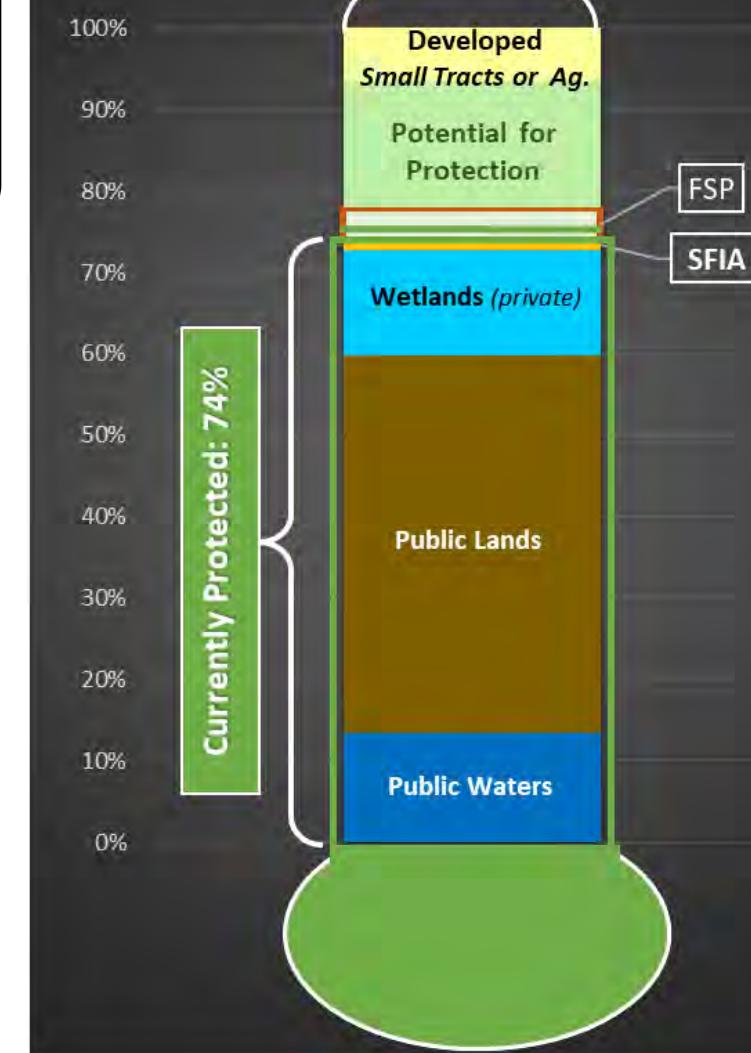
What is the Potential to Protect the Mud Br. / Lows Lake Minor Watershed (Minor 11048)?



Water Quality Trends / Impairments:
Improving: None
Declining: None, Impaired: Lows L.
Stable (No Trend): None



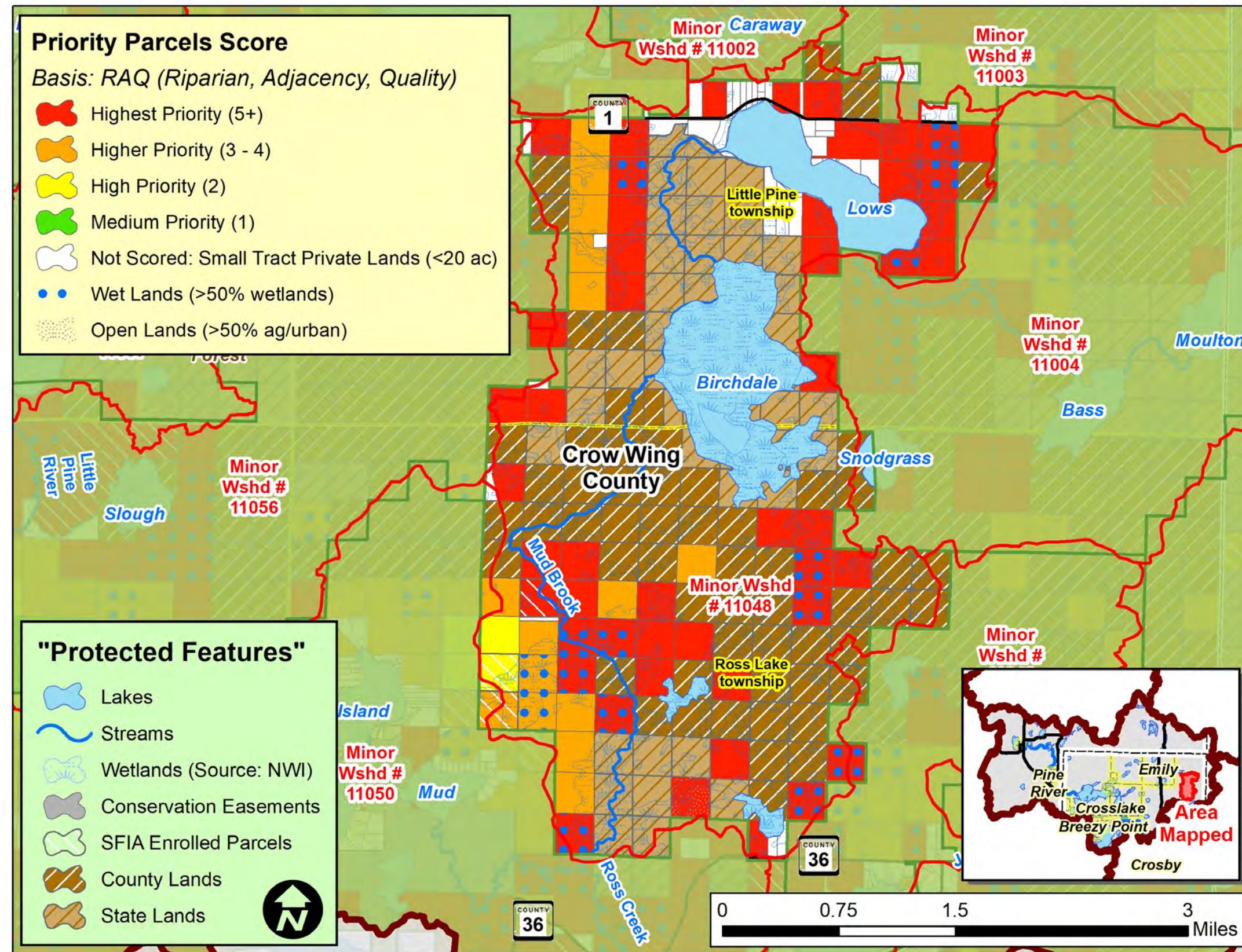
Watershed Protection Status Mud Br./Lows Lake (#11048)



Implementation Toolbox



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:

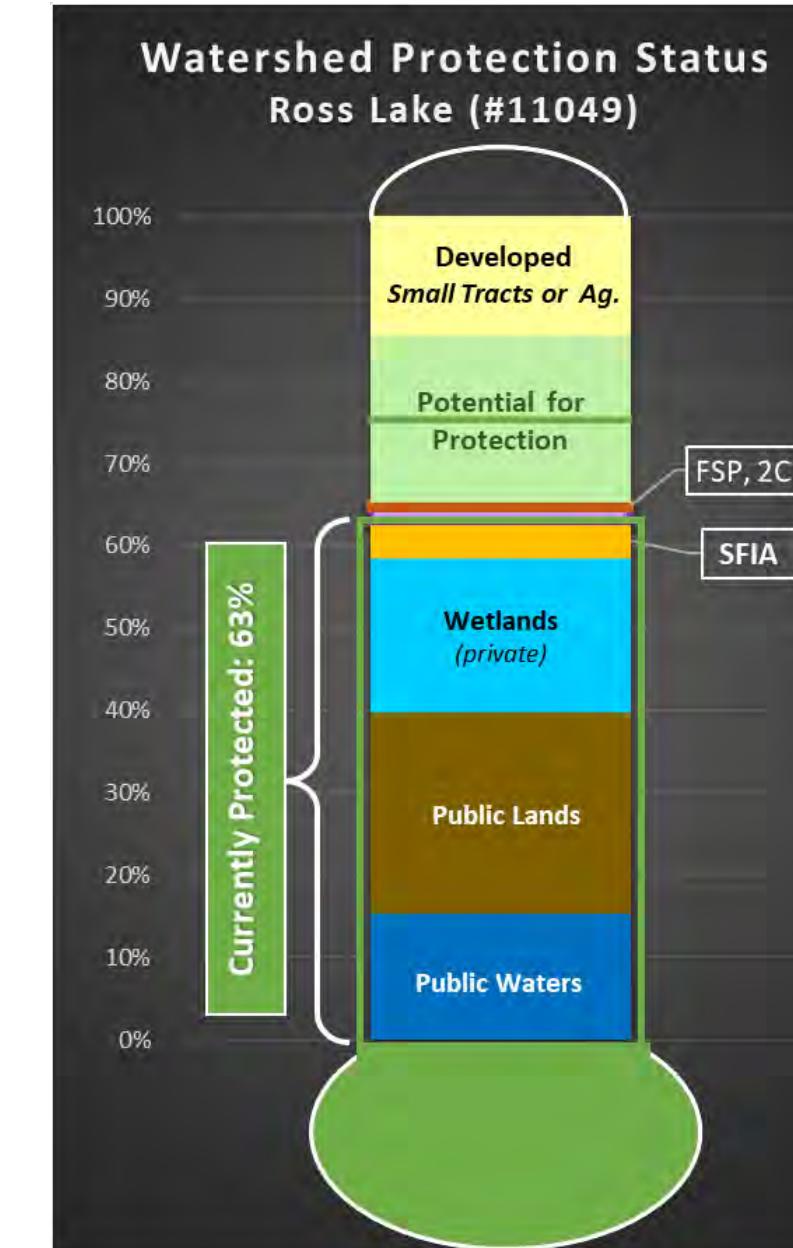
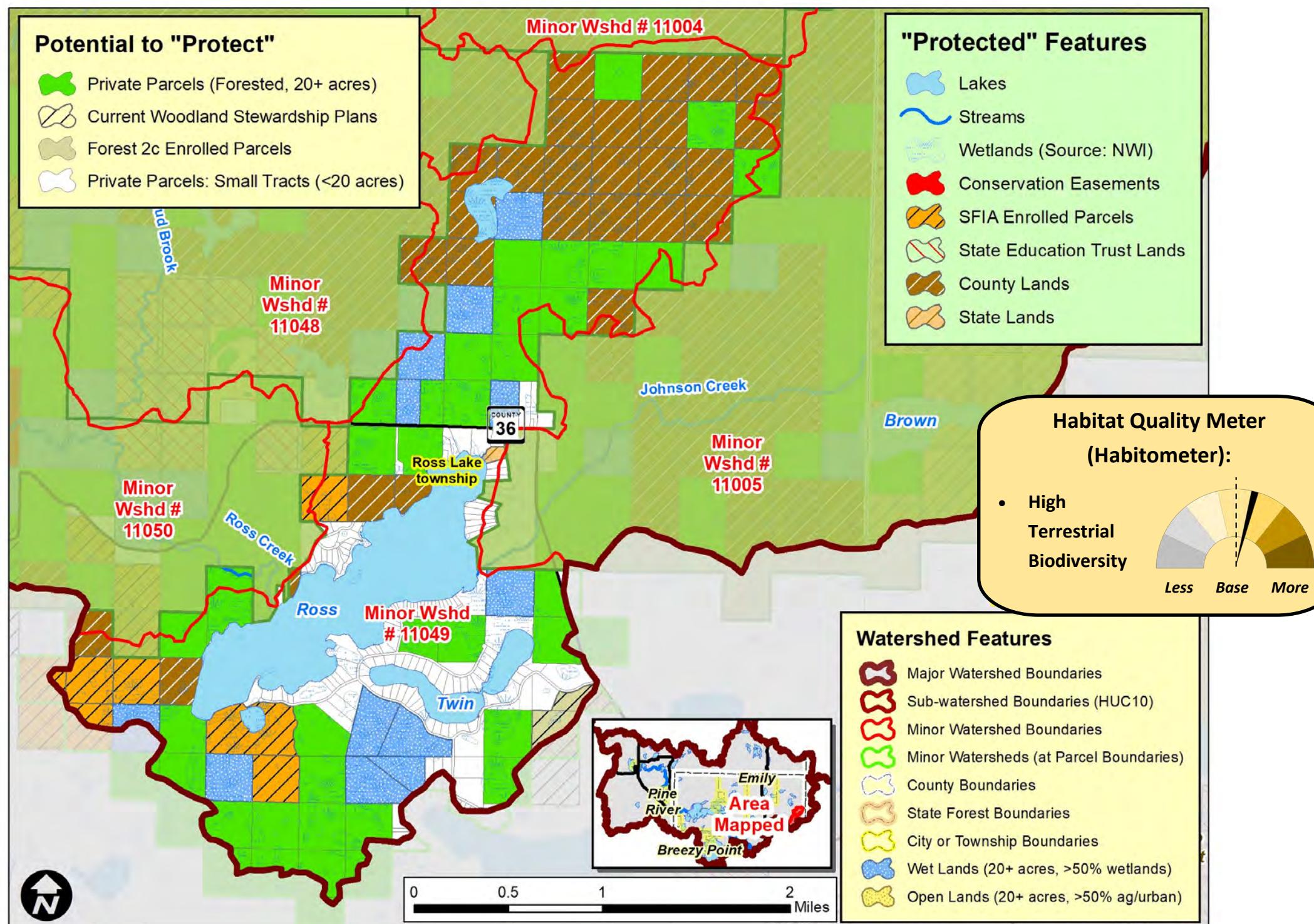
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

Implementation Toolbox

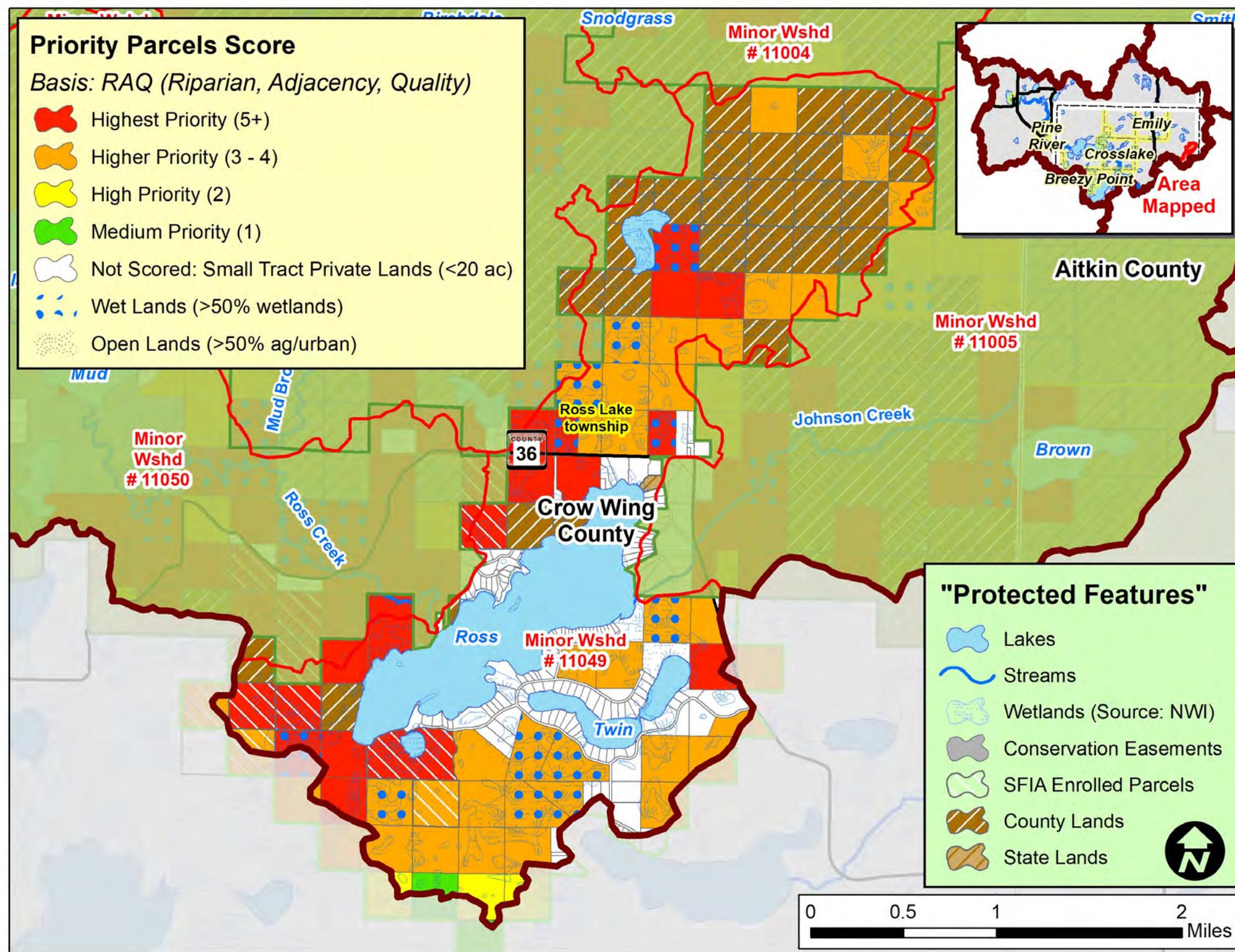
Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance • Factsheets • Poster / Mailers • Workshops • Website / Social Media	Specific Advice & Assistance • Site Visits • Plans: - Landscape - Timber Stand - Forest - Stewardship - Projects	Grants & Cost-share Projects Forest Management • Tree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

Lower Costs, Less Permanent Options Higher Costs, More Permanent

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



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:

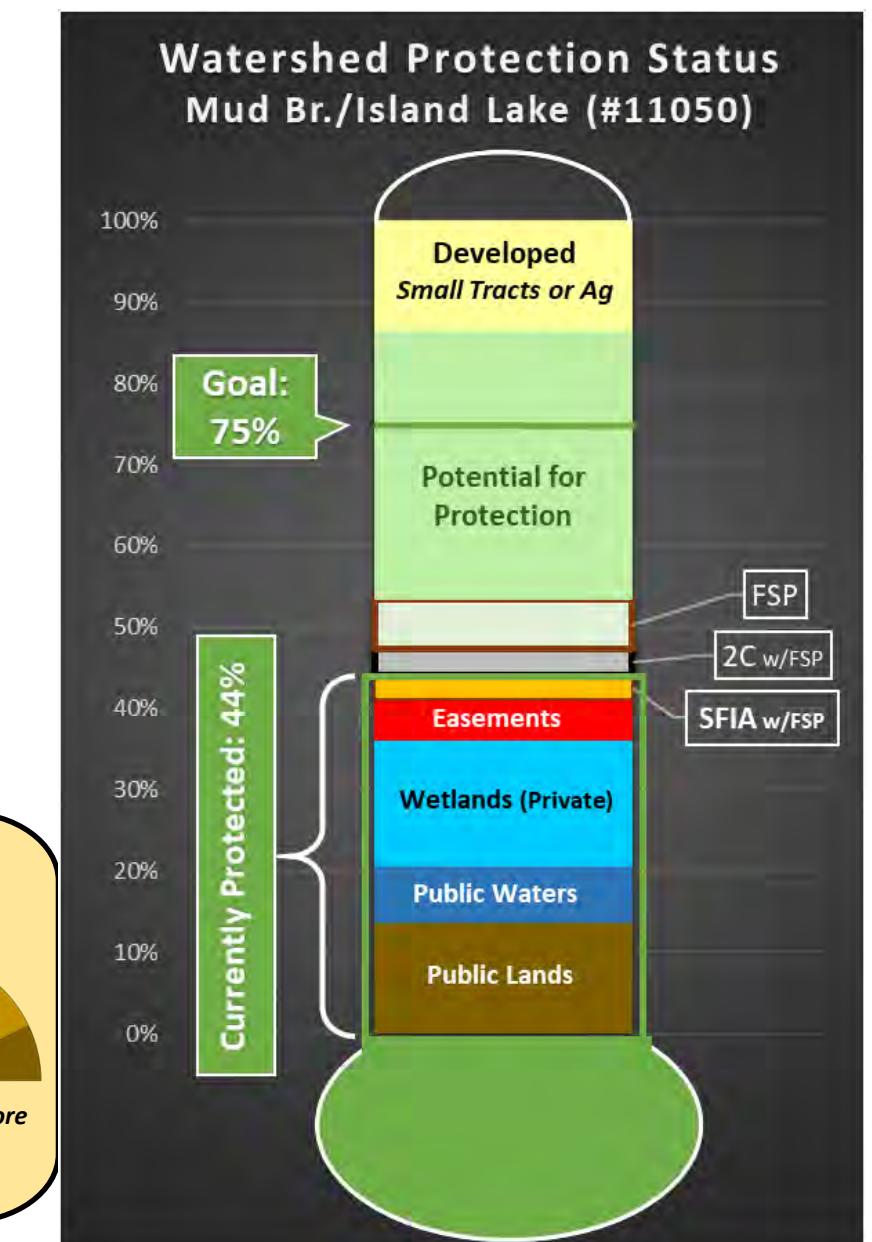
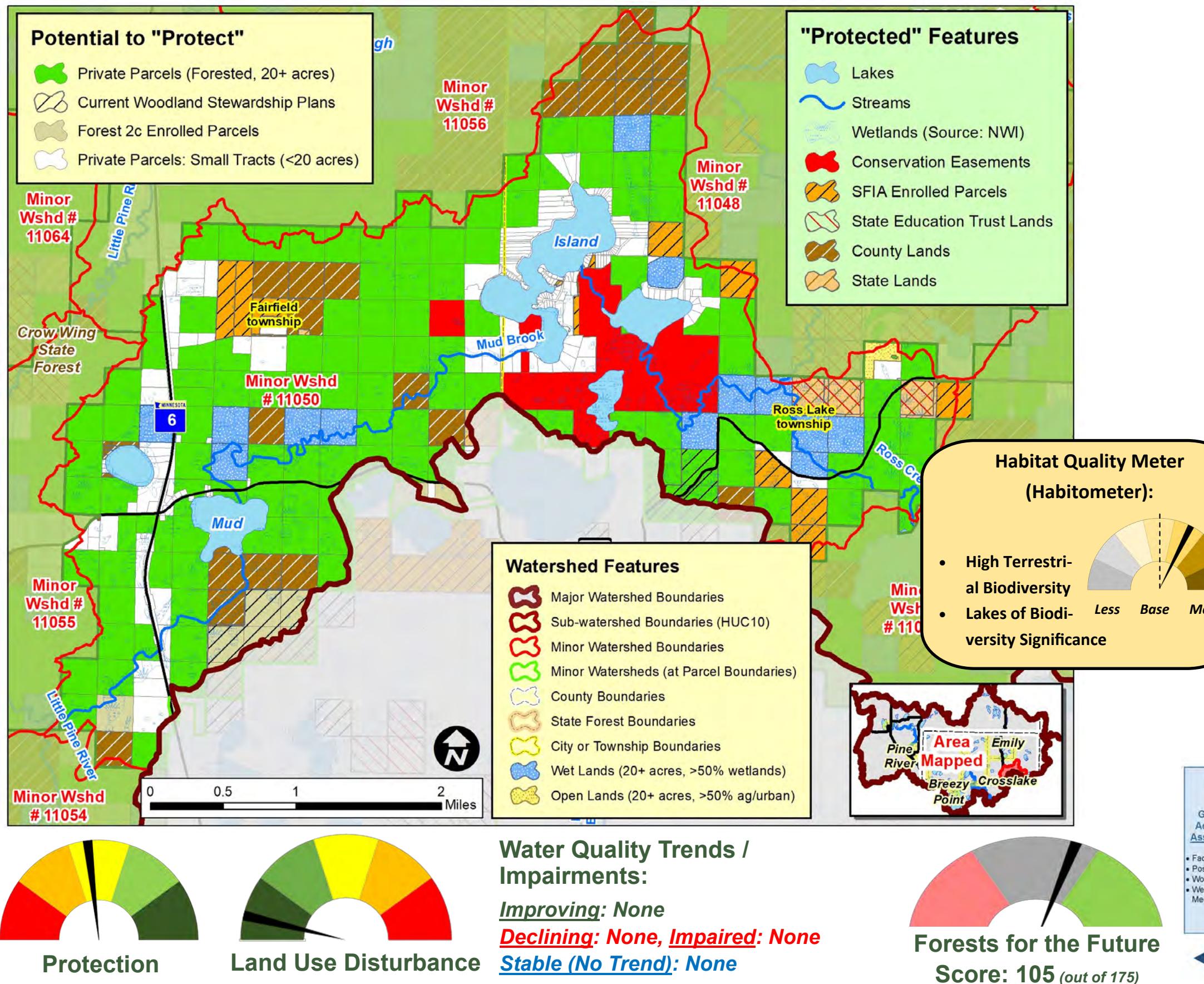
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

Implementation Toolbox

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

Lower Costs, Less Permanent Options Higher Costs, More Permanent

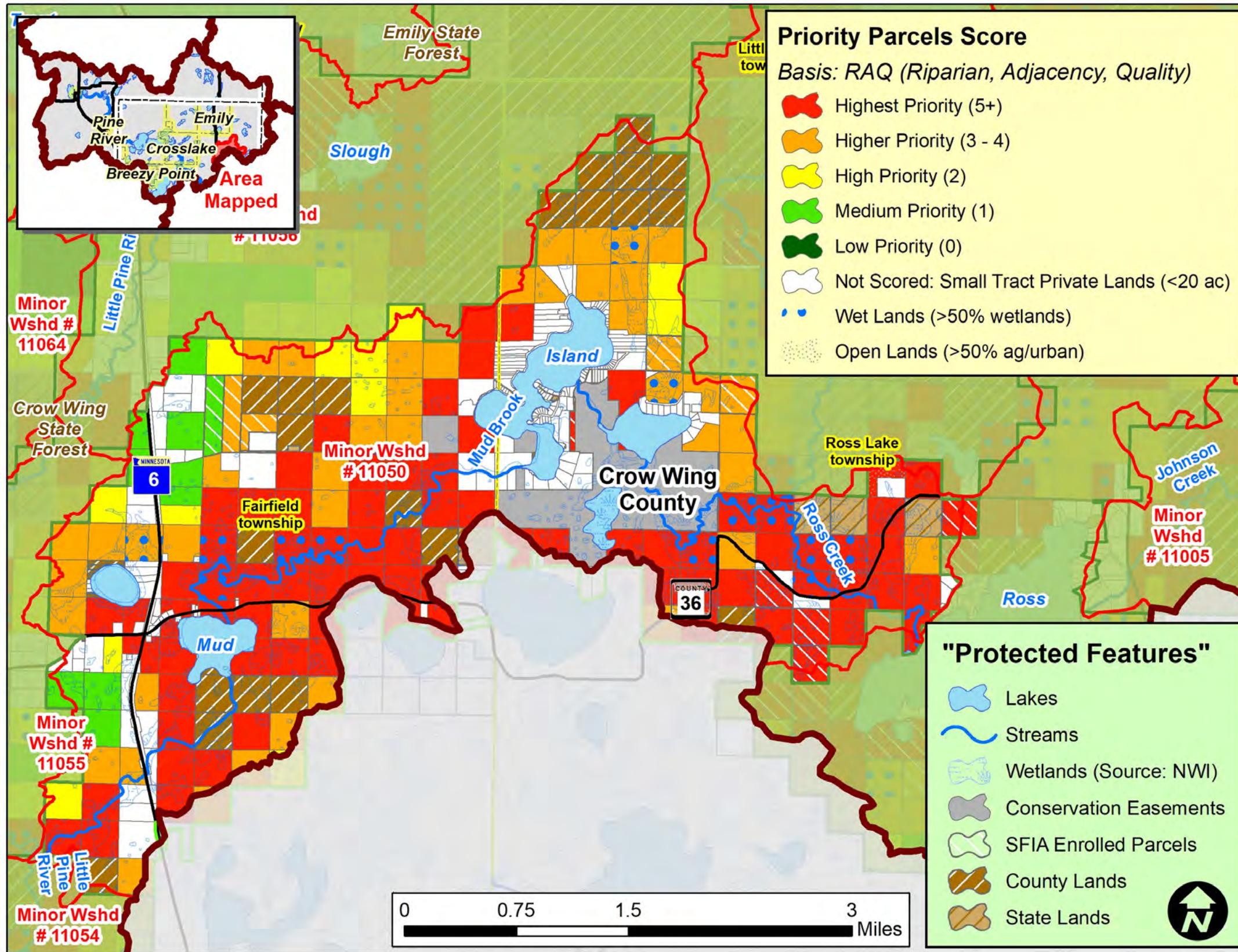
What is the Potential to Protect the Mud Br. / Island Lake Minor Watershed (Minor 11050)?



Implementation Toolbox



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:

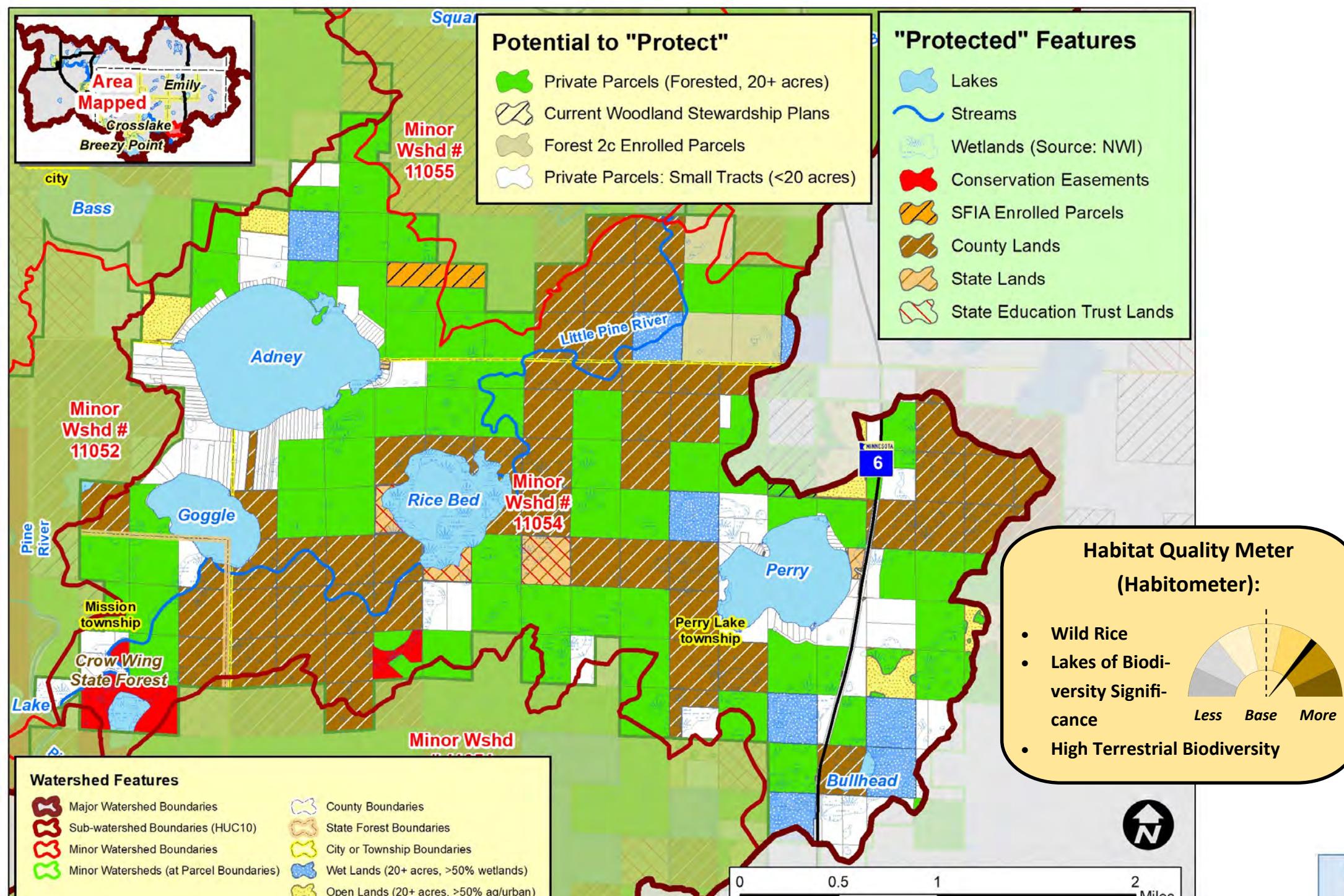
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

Implementation Toolbox

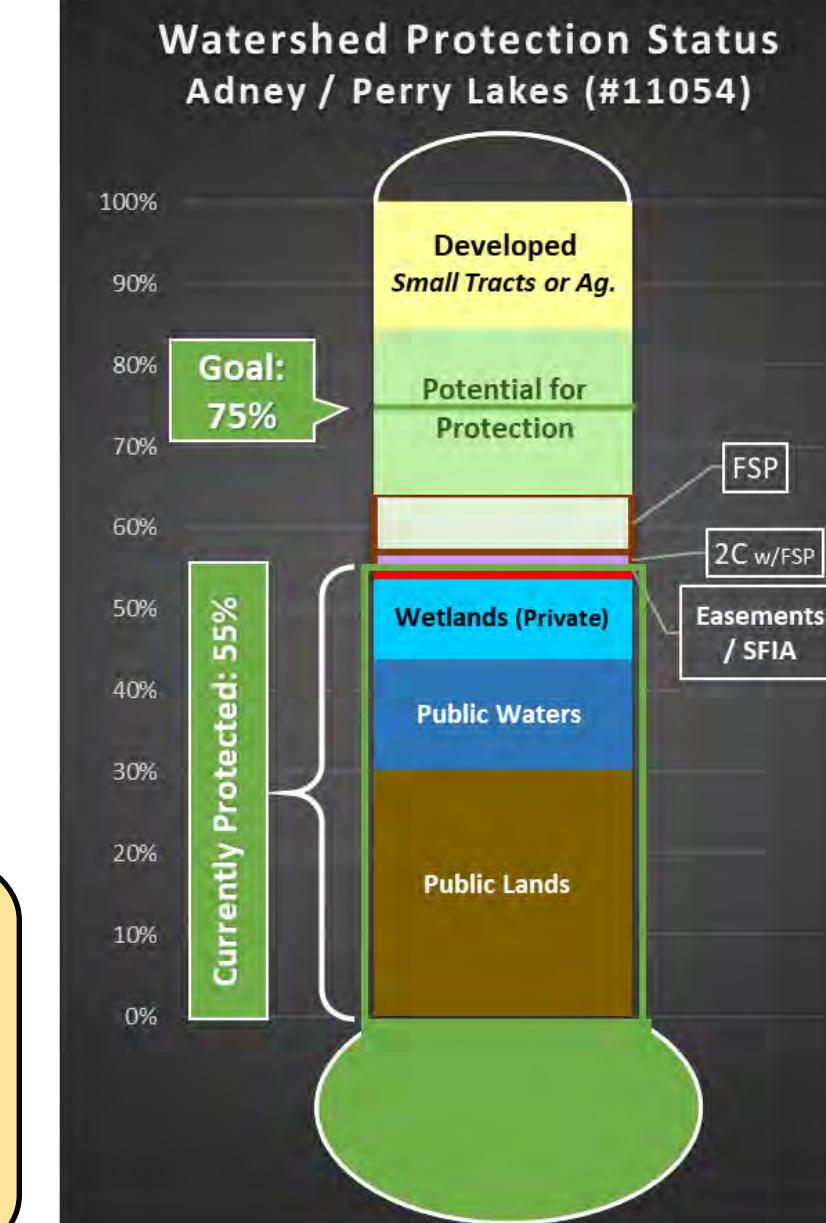
Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance • Factsheets • Poster / Mailers • Workshops • Website / Social Media	Specific Advice & Assistance • Site Visits • Bud Capping • Timber Sales • Landscape Stewardship • Timber Stand Improvement (Thinning) • Forest Stewardship Projects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

Lower Costs, Less Permanent Options Higher Costs, More Permanent

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



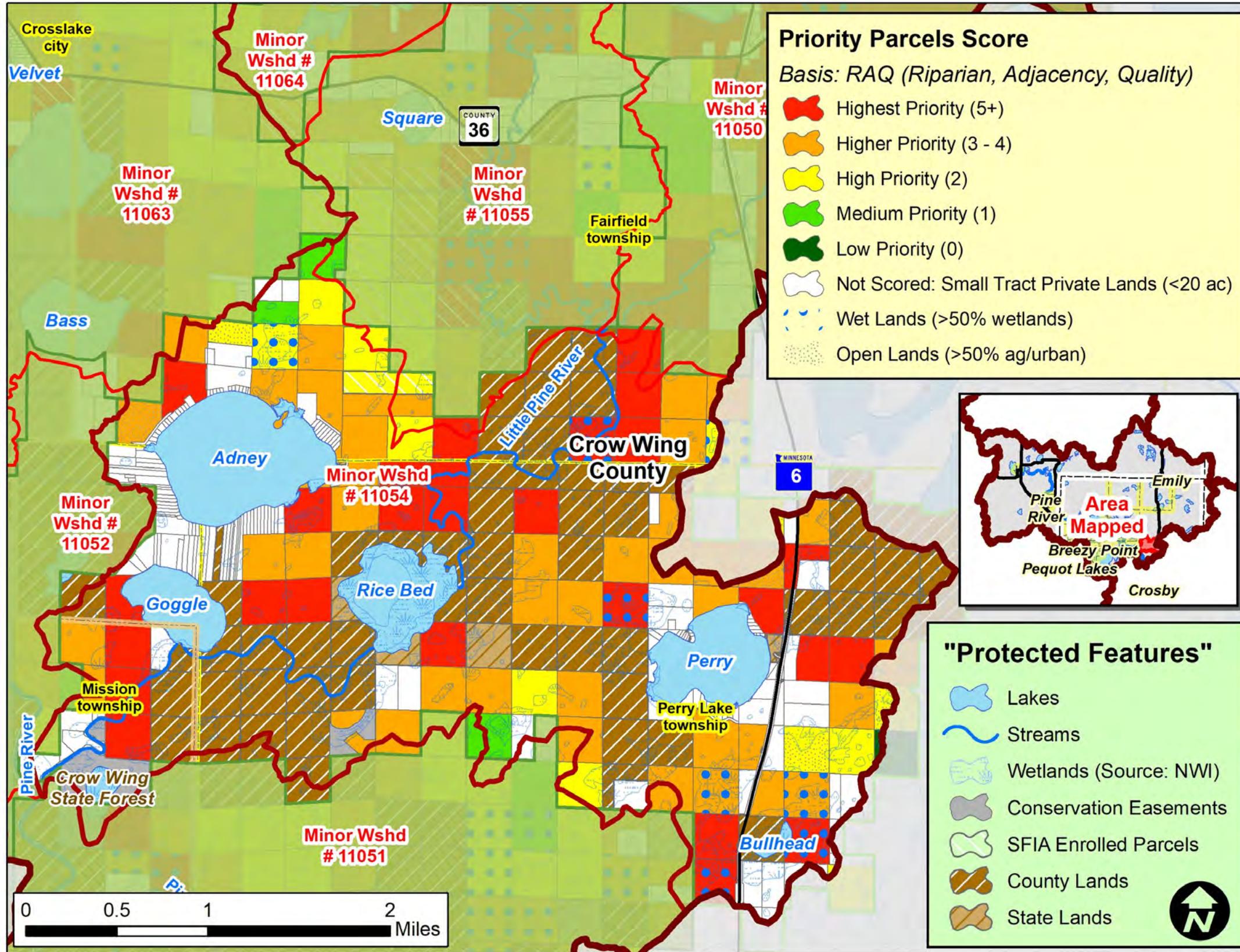
Water Quality Trends / Impairments:
Improving: None
Declining: None, Impaired: None
Stable (No Trend): None



Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance <ul style="list-style-type: none"> Factsheets Poster / Mailers Workshops Website / Social Media 	Specific Advice & Assistance <ul style="list-style-type: none"> Site Visits Plans: - Landscape Stewardship - Forest Stewardship - Projects 	Grants & Cost-share Projects <ul style="list-style-type: none"> Tree Planting Bud Capping Timber Stand Improvement (Thinning) 	Incentive Programs to Enroll Land <ul style="list-style-type: none"> Riparian Buffers Voluntary Site Level Guidelines Zoning & Official Controls
Options <p>Lower Costs, Less Permanent</p>			<p>Higher Costs, More Permanent</p>

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

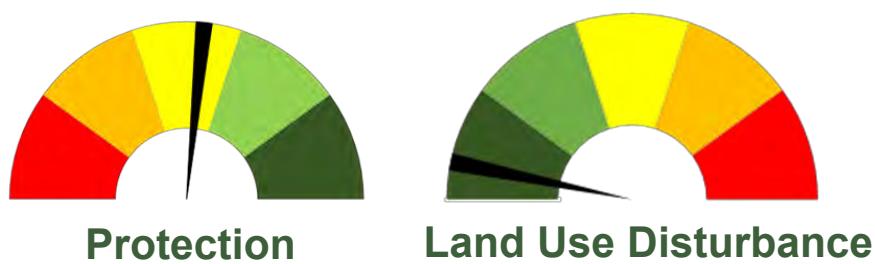
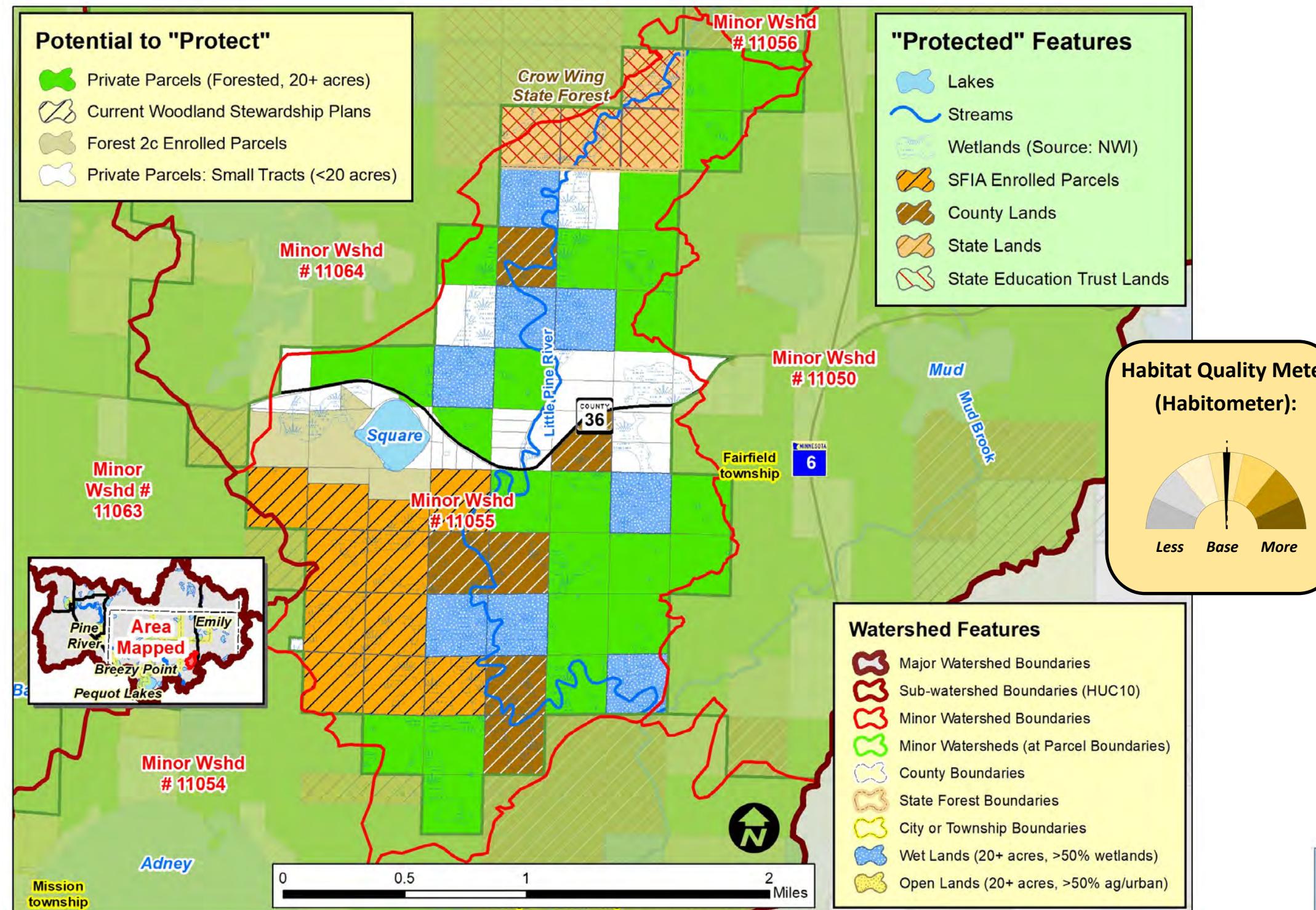


Scoring Criteria:		
Riparian	3	Riparian
	2	Non-riparian: Shoreland (1 parcel back)
	1	2 parcels back
Adjacency	3	2 sides touching public land
	2	1 side touching public land
	1	One parcel removed from public land or touching parcel with SFIA or Easement
Quality*	3	1 point for each feature that the parcel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

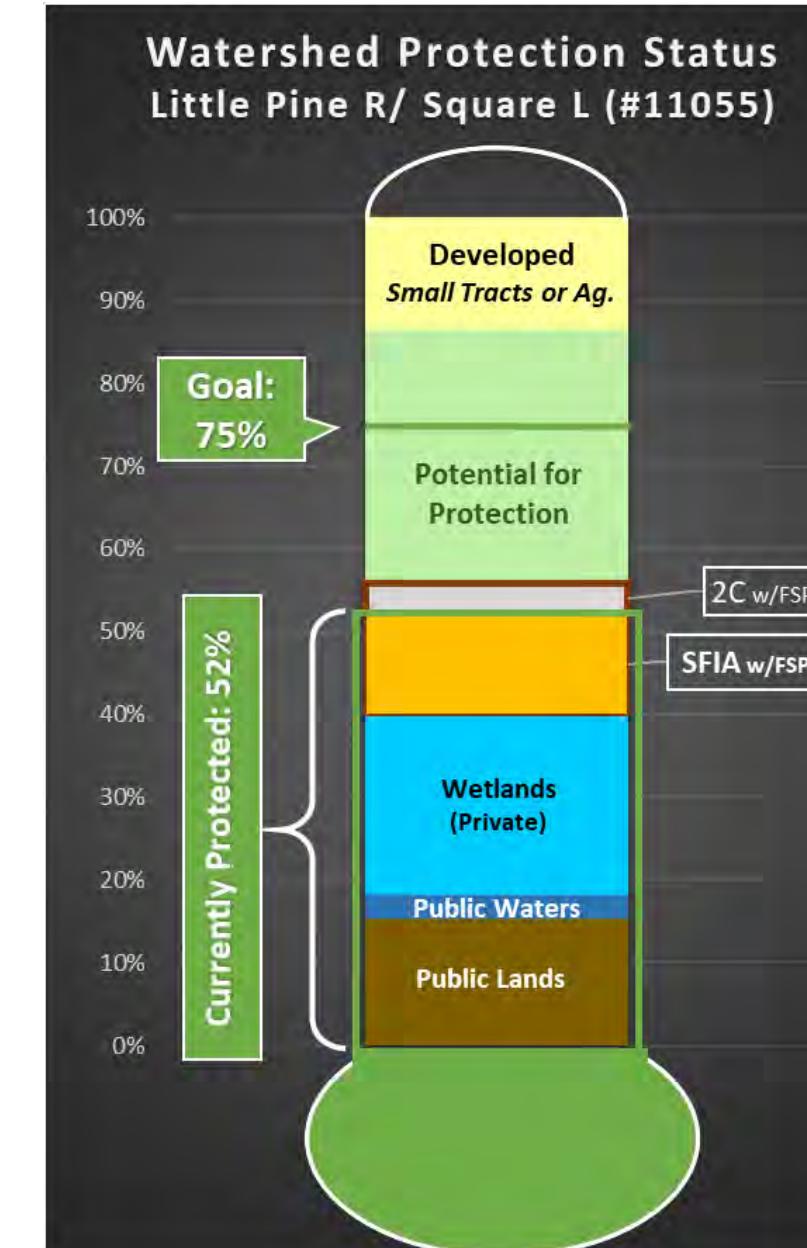
* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

- 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)

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



Implementation Toolbox

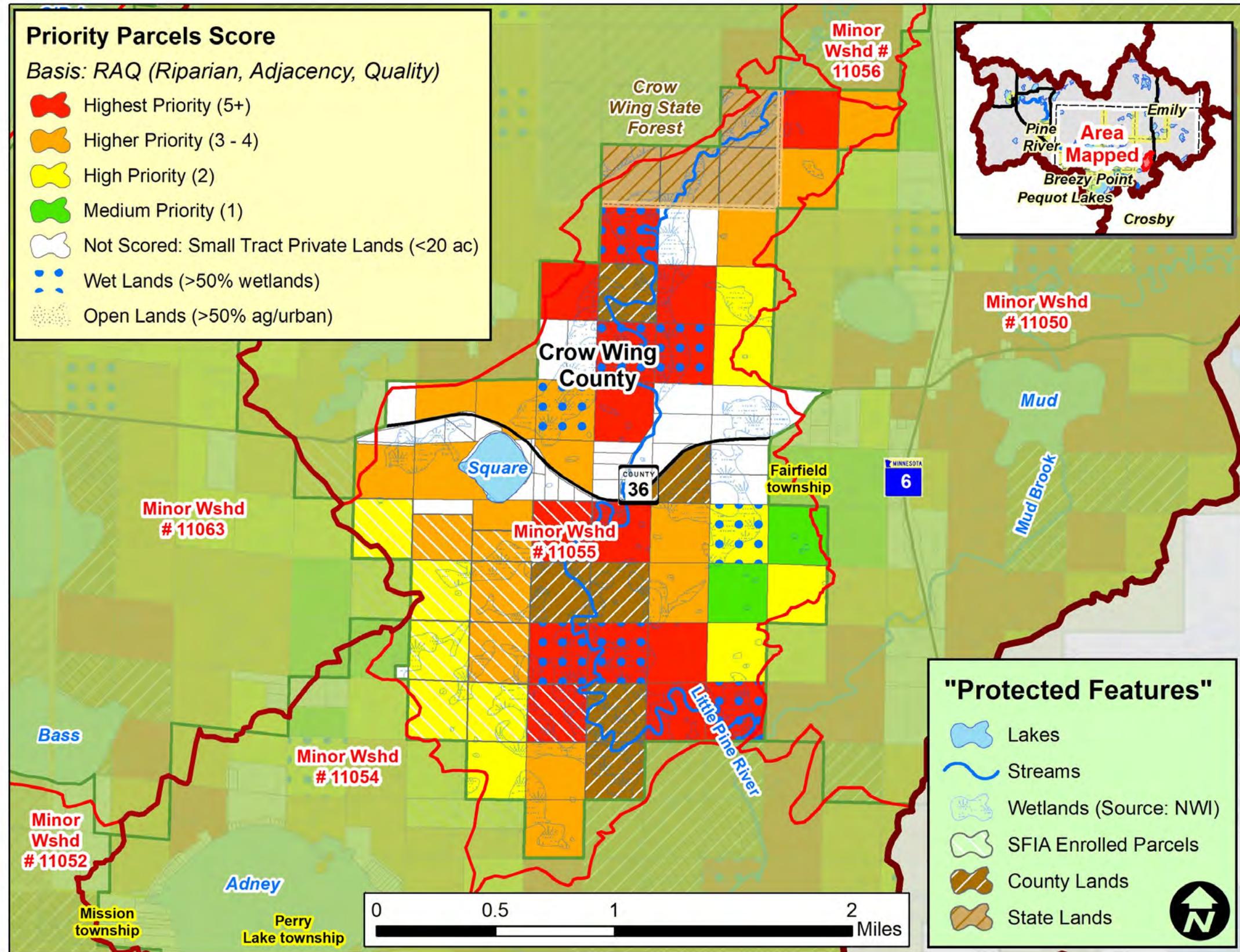
Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance <ul style="list-style-type: none"> Factsheets Poster / Mailers Workshops Website / Social Media 	Specific Advice & Assistance <ul style="list-style-type: none"> Plans: Landscape Stewardship Timber Stand Improvement (Thinning) 	Grants & Cost-share Projects <ul style="list-style-type: none"> Tree Planting Bud Capping Timber Sales Voluntary Site Level Guidelines Zoning & Official Controls 	Incentive Programs to Enroll Land <ul style="list-style-type: none"> SFIA 2C Forest CRP Site Level Guidelines Federal State County

Options

← Lower Costs, Less Permanent →

Higher Costs, More Permanent

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:

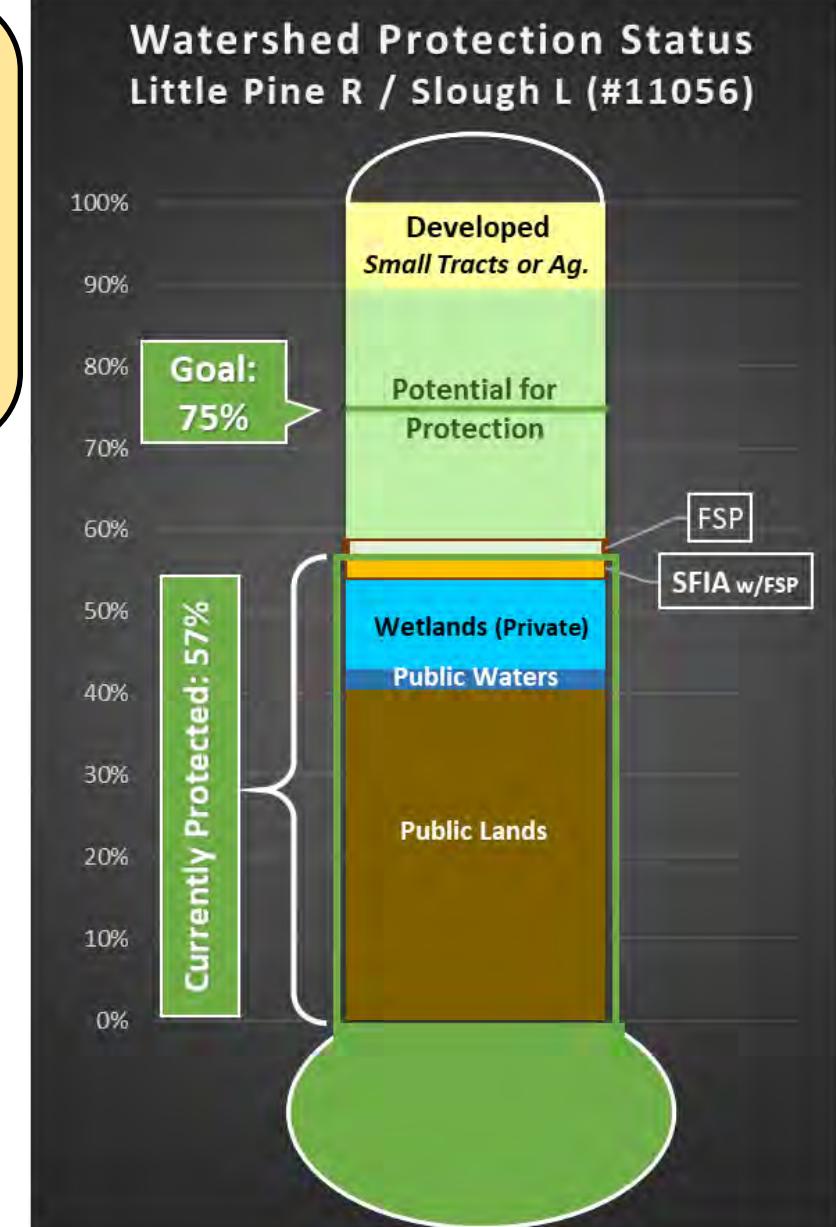
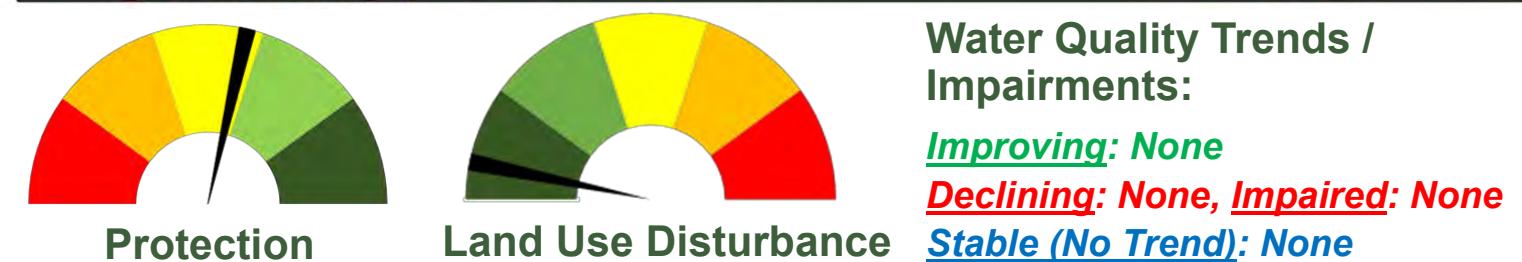
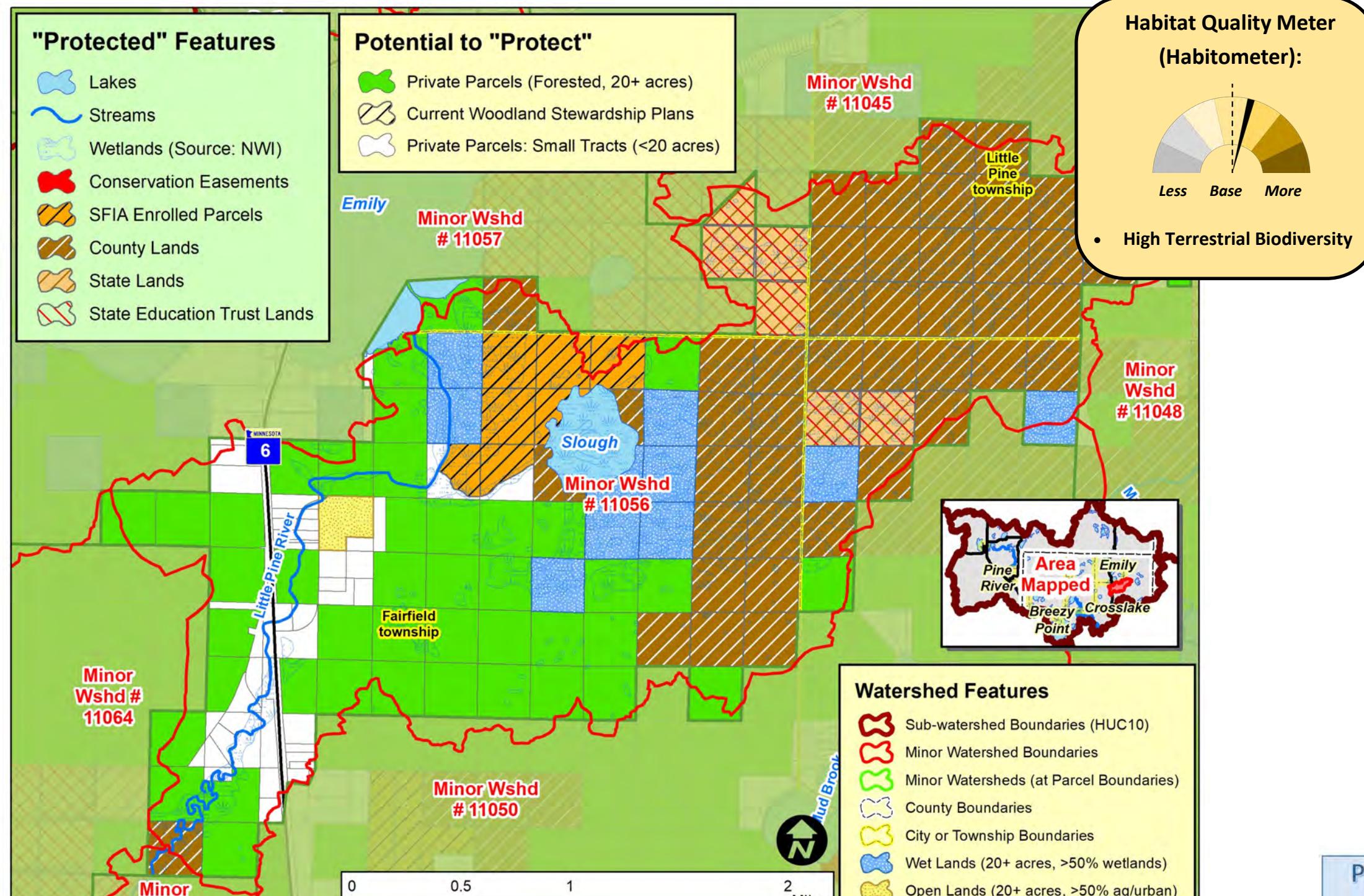
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

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 - Timber Stand Improvement (Thinning) - Forest Stewardship Projects	Grants & Cost-share Projects Forest Management • Tree Planting • Bud Capping • Timber Sales • High Priority Areas • Forest Habitat Fund	Local Land Use Incentive Programs to Enroll Land • SFIA • 2C Forest • CRP • Voluntary Site Level Guidelines • Zoning & Official Controls
• Riparian Buffers • 2C Forest • CRP • Donated • Purchased	• Timber Sales • High Priority Areas • Forest Habitat Fund	• SFIA • 2C Forest • CRP • Federal • State • County	Fee Title Conservation Easements • Federal • State • County

Lower Costs, Less Permanent Options Higher Costs, More Permanent

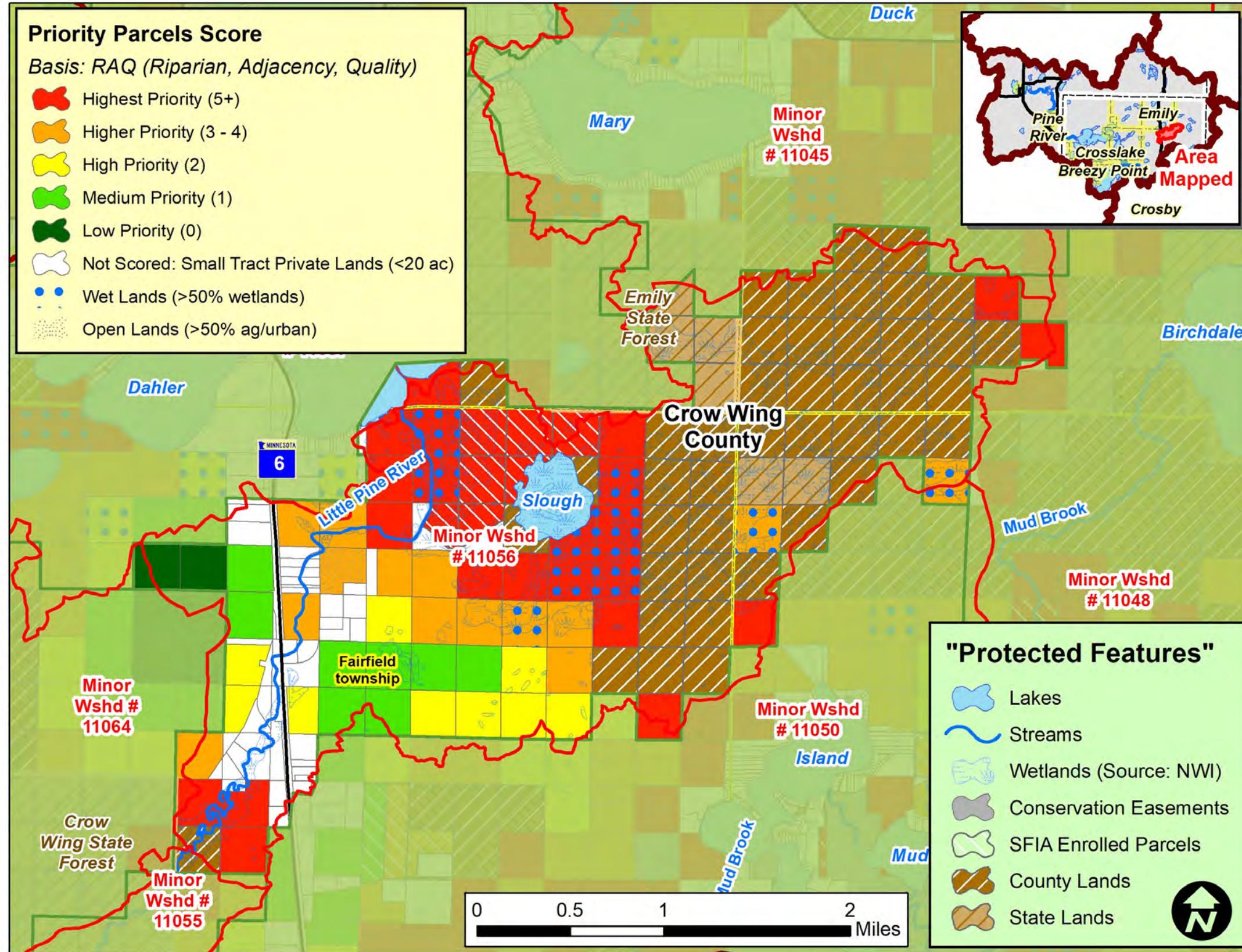
What is the Potential to Protect the Little Pine R / Slough L Minor Watershed (Minor 11056)?



Implementation Toolbox



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:

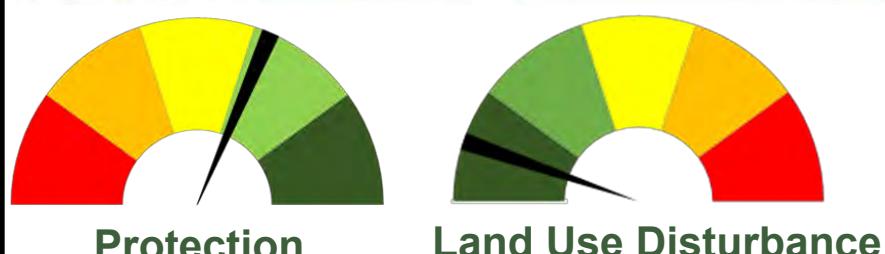
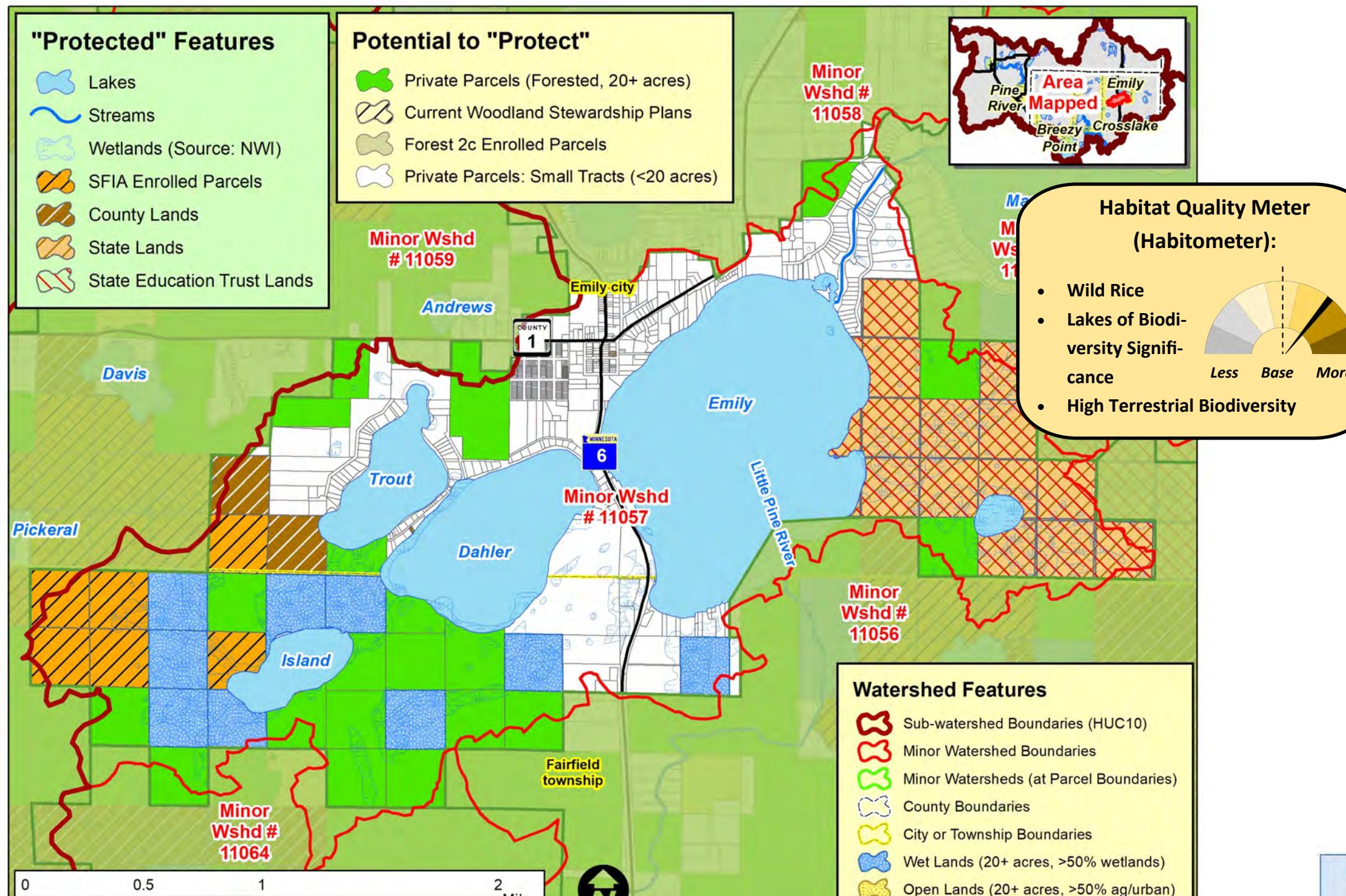
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

Implementation Toolbox

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

Lower Costs, Less Permanent Options Higher Costs, More Permanent

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



Water Quality Trends / Impairments:

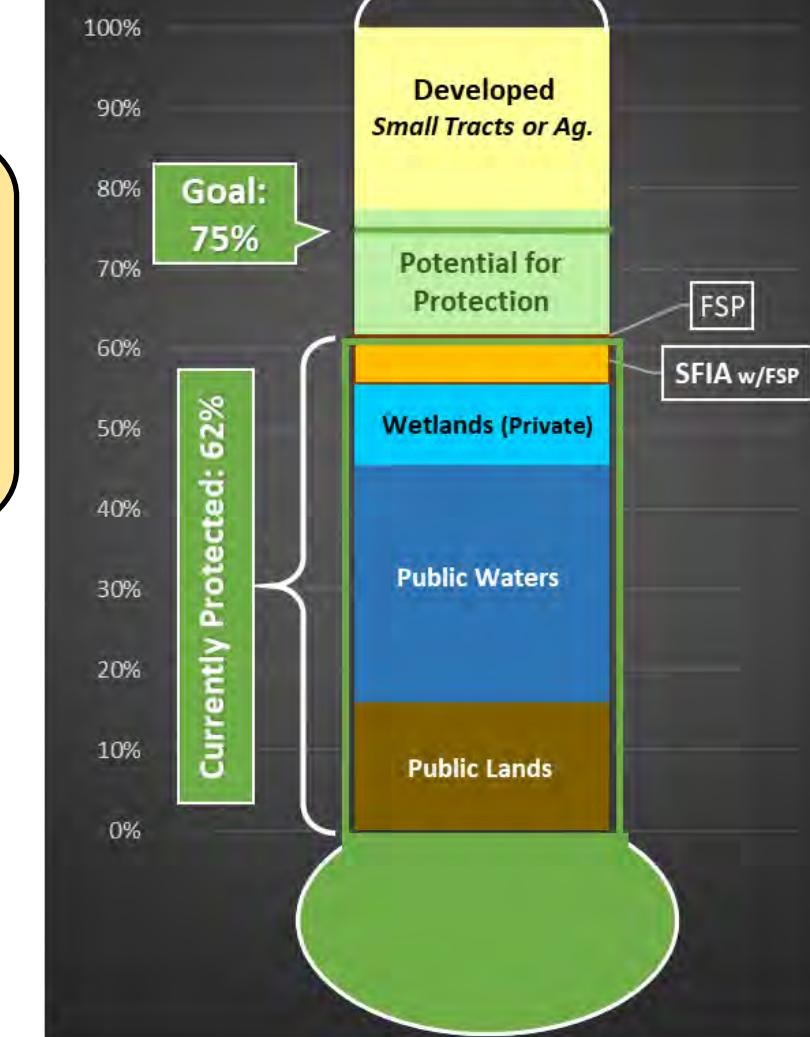
Improving: None

Declining: None, Impaired: Lake Emily

Stable (No Trend): Trout Lake



Watershed Protection Status Lake Emily (#11057)

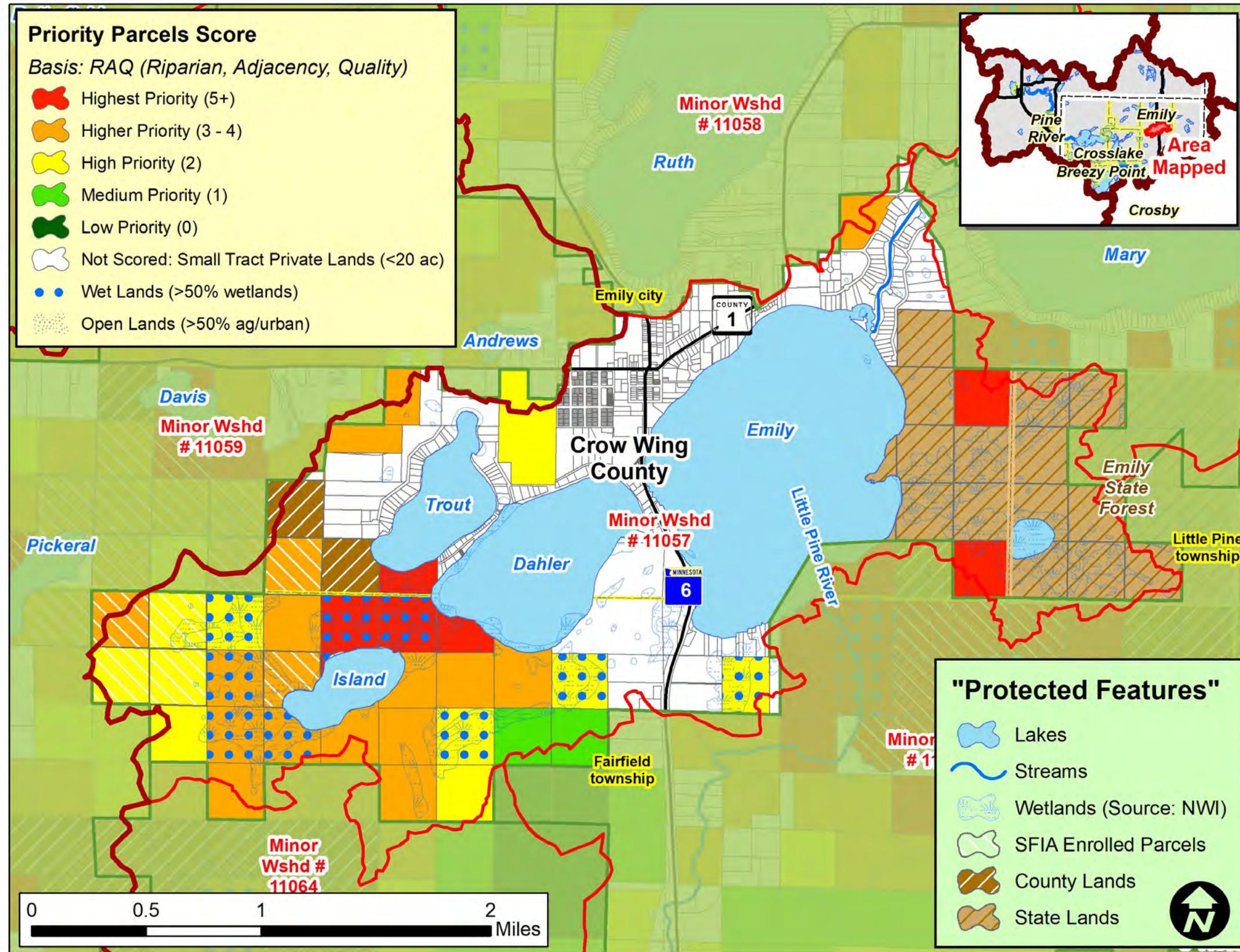


Implementation Toolbox

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

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

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	

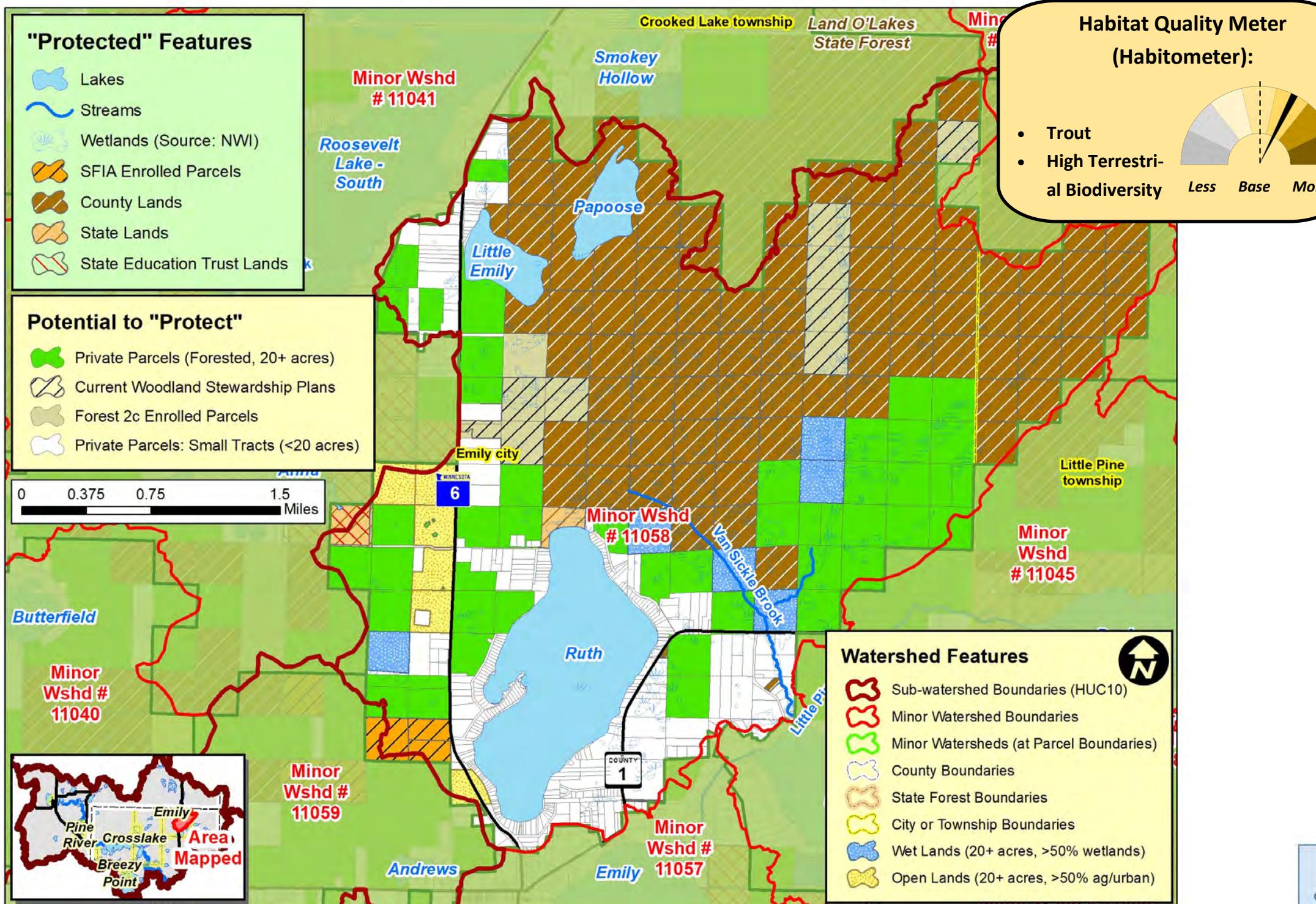
* Quality is locally determined and can include other features, including groundwater resources. For this project, quality also included:

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

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



Water Quality Trends / Impairments:

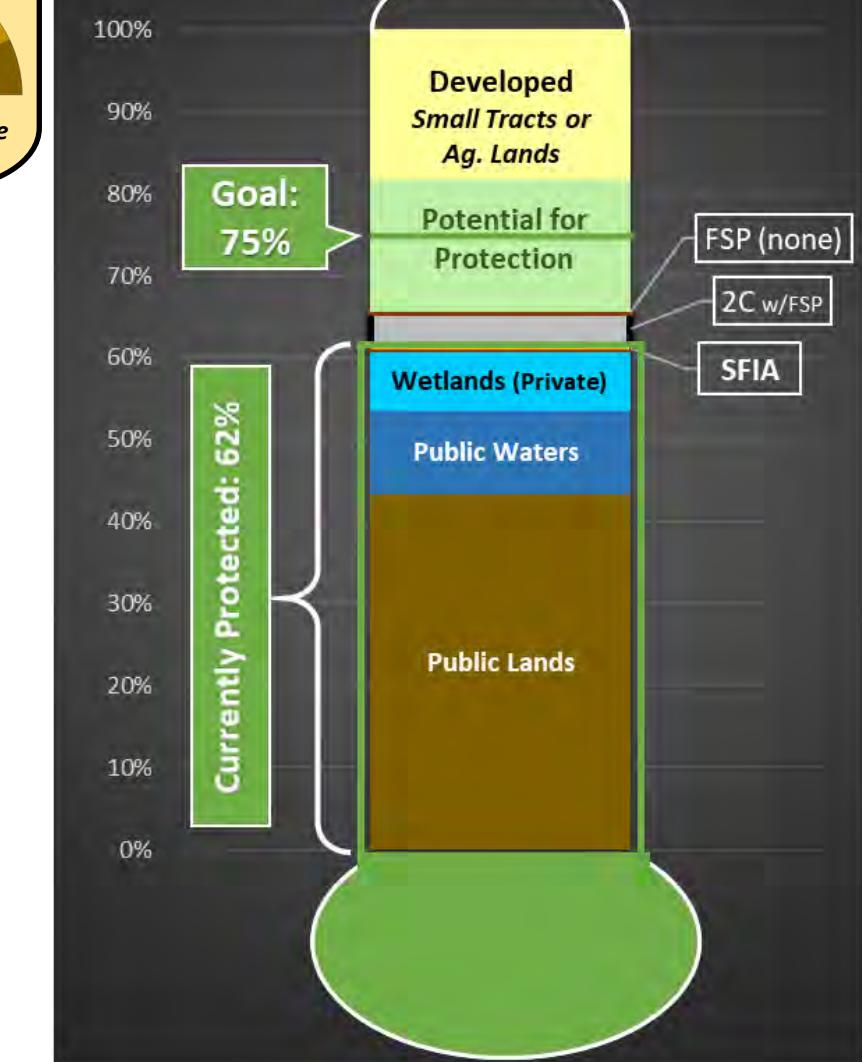
Improving: Ruth Lake

Declining: None, Impaired: None

Stable (No Trend): None



Watershed Protection Status Ruth L. / Van Sickle Br. (#11058)



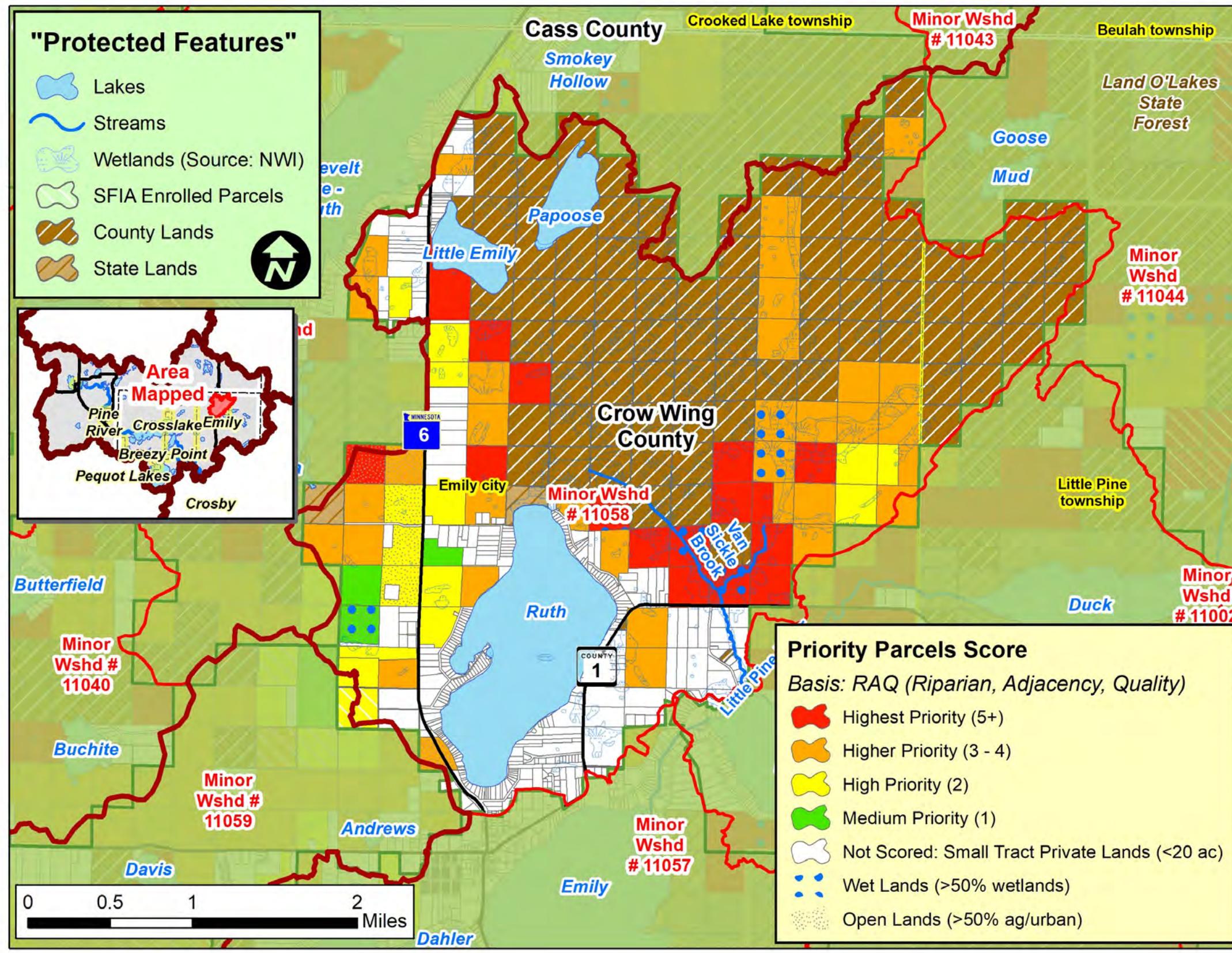
Implementation Toolbox

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

Options

← Lower Costs, Less Permanent → Higher Costs, More Permanent →

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:

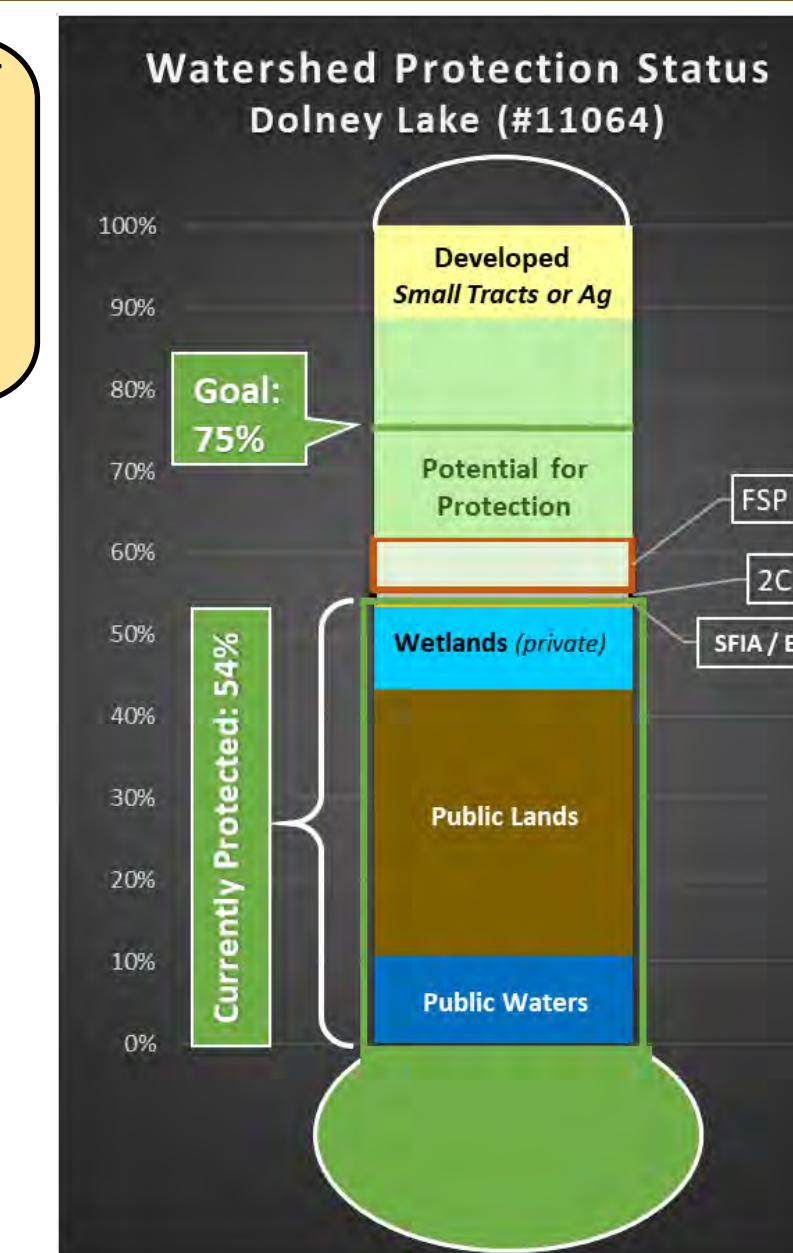
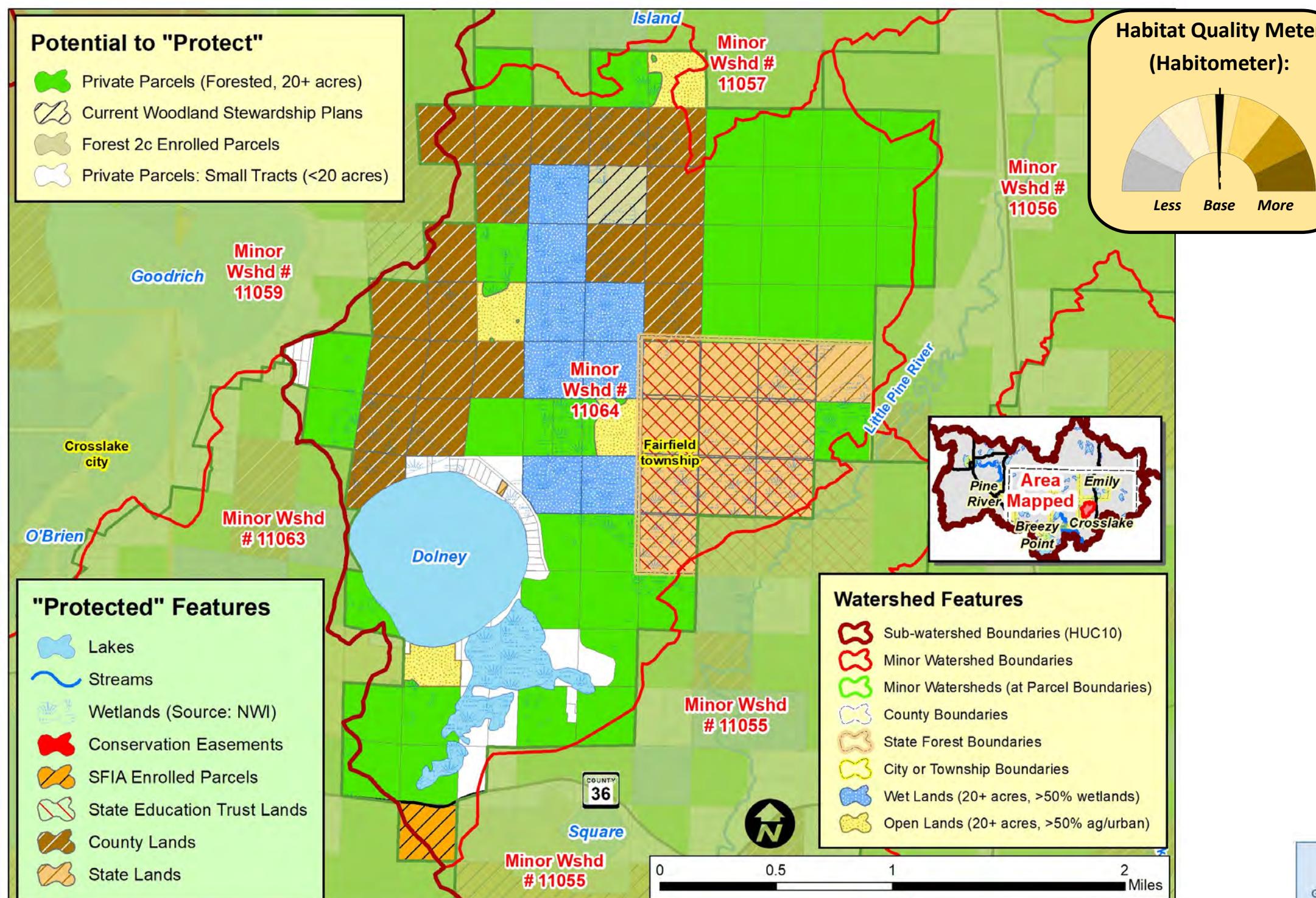
- Outstanding Resource Value Resources (MPCA)
- Old Growth Forests (DNR)
- Lakes with Exceptional IBI Scores (DNR)
- Drinking Water Supply Management Areas (MDH)
- High or Outstanding Wildlife Action Network Score (DNR)

Implementation Toolbox

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

Lower Costs, Less Permanent Options Higher Costs, More Permanent

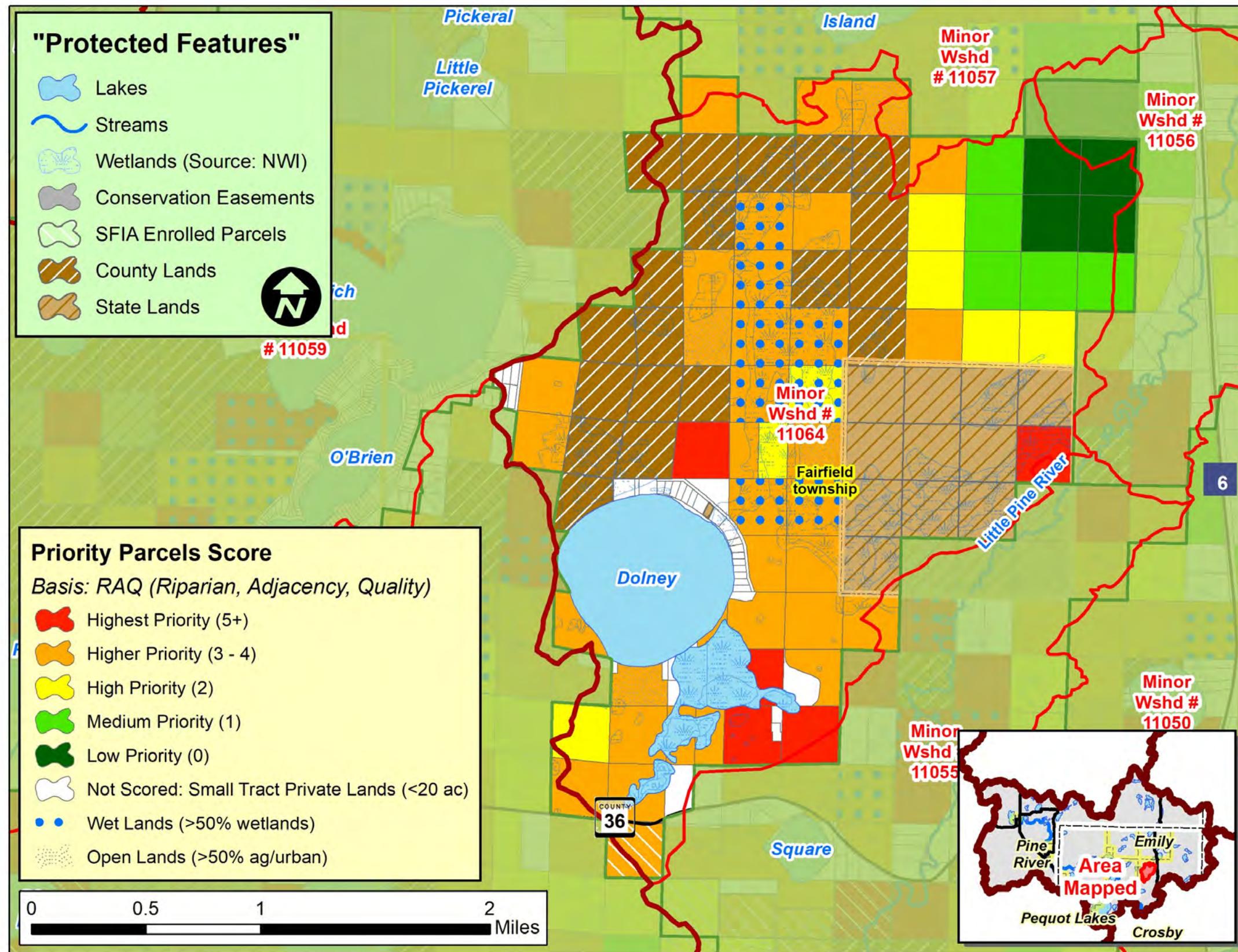
What is the Potential to Protect the Dolney Lake Minor Watershed (Minor 11064)?



Implementation Toolbox

Plan It!	Improve It!	Manage It!	Buy It!
General Advice & Assistance <ul style="list-style-type: none"> Factsheets Poster / Mailers Workshops Website / Social Media 	Specific Advice & Assistance <ul style="list-style-type: none"> Site Visits Plans: Landscape Stewardship Timber Stand Improvement (Thinning) Forest Stewardship Projects 	Grants & Cost-share Projects <ul style="list-style-type: none"> Tree Planting Bud Capping Timber Sales Riparian Buffers Voluntary Timber Sales 	Incentive Programs to Enroll Land <ul style="list-style-type: none"> SFIA 2C Forest CRP Site Level Guidelines Zoning & Official Controls
Options <p>Lower Costs, Less Permanent</p>			Options <p>Higher Costs, More Permanent</p>

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)