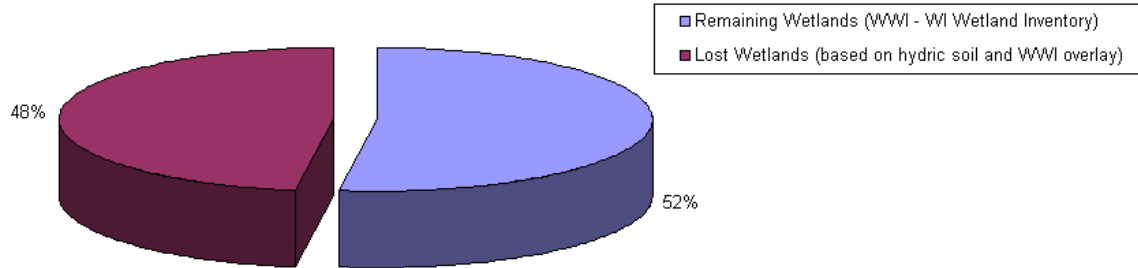


Willow River Watershed (SC02, SC03) Wetlands Summary, 2010

Historical and Current Wetland Status

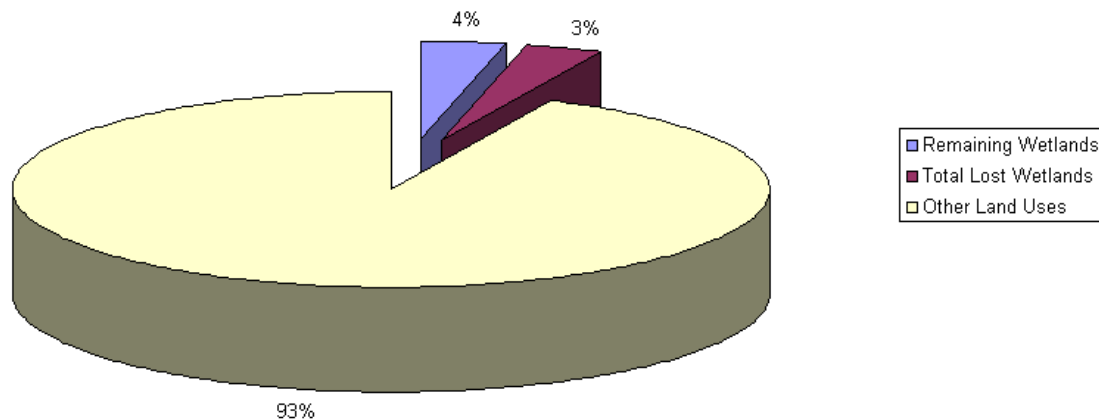
Historical Wetland Loss from Pre-settlement to Current Day	Acres	% of Original (Pre-settlement) Wetlands
Original Wetlands (pre-settlement estimate based on hydric soil)	8410	100%
Remaining Wetlands (WWI - WI Wetland Inventory)	4397	52%
Lost Wetlands (based on hydric soil and WWI overlay)	4013	48%

Historical Wetland Loss From Pre-settlement to Current Day



Current Wetland Status of Watershed	Acres	% of Watershed
Original Wetlands	8410	7.2%
Remaining Wetlands	4397	3.7%
Total Lost Wetlands	4013	3.4%
Other Land Uses	113154	96.3%
Total Watershed	117551	100.0%

**Willow River Watershed (SC02, SC03)
Current Wetland Acres vs. Other Land Uses**



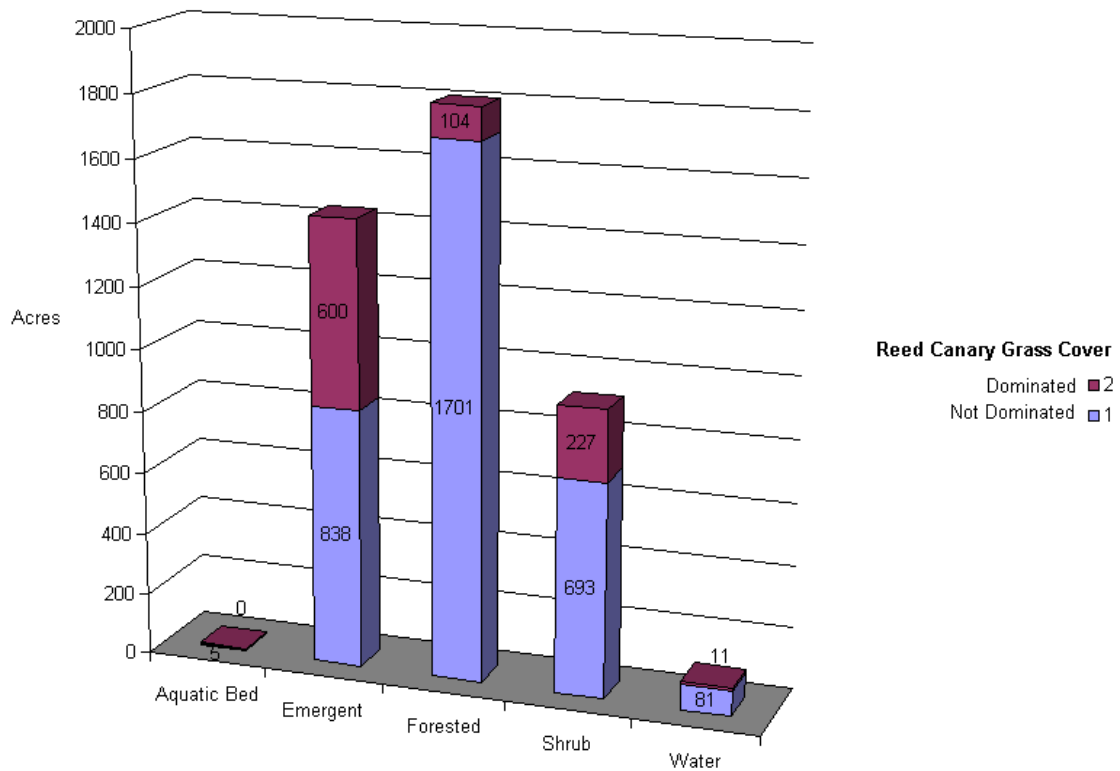
Wetlands by Type

Type	Acres	% of Wetland
Shallow Open Water	92.62	2.1%
Aquatic Bed	5.7473	0.1%
Emergent (Marshes and Meadows)	1438.1828	32.7%
Shrub	919.6649	20.9%
Forested	1805.1845	41.1%
Other	135.6005	3.1%
Total	4397	100.0%

Wetlands with Reed Canary Grass Infestation

Type	Acres	% of Wetland
Shallow Open Water	11.3576	1.2%
Aquatic Bed	0.2531	0.0%
Emergent (Marshes and Meadows)	599.9044	62.6%
Shrub	226.5609	23.6%
Forested	103.7844	10.8%
Other	16.1396	1.7%
Total	958	100.0%

Wetland Vegetation Types



Wetland Status

The Willow River Watershed extends from northeastern St. Croix County northward into southeastern Polk County. The watershed is situated within the St. Croix Basin. An estimated 4% of the current land uses in the watershed are wetlands. Almost 52% of the original wetlands in the watershed are estimated to exist. Of these wetlands, forested wetlands (41%) and emergent wetlands (33%), which include wet meadows and marshes, dominate the landscape.

Wetland Condition

Little is known about the condition of the remaining wetlands but estimates of reed canary grass infestations, an opportunistic aquatic invasive wetland plant, into different wetland types has been estimated based on satellite imagery. This information shows that reed canary grass dominates 63% of the existing emergent wetlands and 24% of the remaining shrub wetlands. Reed Canary Grass domination inhibits successful establishment of native wetland species.

Wetland Restorability

Of the 4,013 acres of estimated lost wetlands in the watershed, approximately 97% are considered potentially restorable based on modeled data, including soil types, land use and land cover (Chris Smith, DNR, 2009).

Restorability of Lost Wetlands

Restorability of Lost Wetlands	Acres	% of Lost Wetlands
Potentially Restorable	3897	97.1%
Not Likely To Be Restored (Urban land use)	6	0.1%
Smaller than 0.5 acres	110	2.7%
Total Lost Wetlands	4013	100.0%

