

Watershed	Township	Range	Section	Issue	Acres/Length	Recommended BMP	Adjacent to Waterbody	Buffer	Priority Level	Notes
<b>Headwaters Portage River</b>										
	3S	10W	22	Inadequate Bufferstrip, Irrigation	209 ac/2953 ft	bufferstrip	Y	Not adequate	High	Suspected manure application, spraying with herbicide and leaching from fertilizer, irrigation
	3S	10W	15	Inadequate Bufferstrip	66.74 ac/5902 ft	bufferstrip	Y	Not adequate	High	ditch runs through open field, suspected manure application, spraying with herbicide, pesticide and fertilizer
	3S	10W	10	Inadequate Bufferstrip	47.9 ac/1582 ft	bufferstrip	Y	Yes	Medium	
	3S	10W	11	Inadequate Bufferstrip	100.4 ac/3329 ft	bufferstrip	Y	Yes	Medium	
	3S	10W	27	Manure Application, Irrigation	205 ac	nutrient management	Y	Yes	High	Area has decent buffer around stream but due to the high amounts of manure application and proximity to the stream it is considered high.
	3S	10W	27	Manure Application, Irrigation	278 ac	nutrient management	Y	Yes	High	
	3S	10W	27	Manure Application, Irrigation	6.7 ac	nutrient management	N	Yes	High	
	3S	10W	27	Mowing to stream edge, suspected fertilizing and herbicide app.	2.29/653 ft	bufferstrip	Y	N	Medium	
	3S	9W	19	Manure Application	25 ac	nutrient management	N	N/A	low	North portion of field the rest of the field lies in the Indian Lake - Portage River subwatershed
	3S	9W	17	Manure Application	33 ac	nutrient management	Y	Y	Medium	
	3S	9W	17	Manure Application	62 Ac	nutrient management	N	N/A	low	
<b>Indian Lake - Portage River</b>										
	3S	9W	16	Manure Application	71.7 ac	nutrient management	Y	Not adequate	High	Slight slope toward the drain with manure application and inadequate buffer
	3S	9W	16	Manure Application	21 ac	nutrient management	Y	Not adequate	High	Slight slope toward the drain with manure application and inadequate buffer
	3S	9W	16	Indadequate buffer	459 ft	bufferstrip	Y	Not adequate	High	Slight slope toward the drain with manure application and inadequate buffer
	3S	9W	16	Indadequate buffer	335 ft	bufferstrip	Y	Not adequate	High	Slight slope toward the drain with manure application and inadequate buffer
	3S	9W	21	Manure Application	117 ac	nutrient management	Y		Medium	
	3S	9W	29	Field Erosion	864 ft	residue management/cover crop	Y	Y	Medium	
	3S	9W	19	Manure Application	66 ac	nutrient management	N	N/A	low	
	3S	9W	19	Manure	25 ac	nutrient management	Y	Y	low	
	3S	9W	19	Manure	15.7 ac	nutrient management	Y	Y	low	
	3S	9W	20	Runoff concerns caused by Irrigation, fertilizer, small buffer	81 ac		Y	Y	Medium	
	3S	9W	20	Runoff concerns caused by Irrigation, fertilizer, small buffer	30 ac		Y	Y	Medium	
	3S	9W	30	Manure Application	42.4	nutrient management	N		Medium	
	3S	9W	30	Manure Application	58.24	nutrient management			Medium	
	3S	9W	31	Manure Application	120	nutrient management	Y	Y	Medium	
	3S	9W	31	Manure Application	73.8	nutrient management	N	N/A	Medium	
	3S	9W	32	Manure Application	44.7	nutrient management	Y	N	High	
	3S	9W	32	erosion/gully formation	1554 ft		Y	Not adequate	High	
	3S	9W	29	Manure Application	54.7	nutrient management	Y	Not adequate	High	Sloping fields applied with manure with little to no buffer
	3S	9W	Kauffman	Manure Application	63.6	nutrient management	Y	Not adequate	High	Sloping fields applied with manure with little to no buffer
	3S	9W	29	Manure Application	25.3	nutrient management	N	N/A	Medium	suspected alternate pathway
	3S	9W	29	Manure Application	7.16	nutrient management	N	N/A	Medium	suspected alternate pathway
	3S	9W	29	Manure Application	30.45	nutrient management	Y	Not adequate	Medium	Sloping fields applied with manure with little to no buffer
	3S	9W	28	Manure Application	10.6	nutrient management	Y	Not adequate	Medium	Sloping fields applied with manure with little to no buffer
	3S	9W	30	Cattle Access	847 ft	fencing	Yes	Not adequate	Medium	Cattle in field fenced out of stream but the fence is right next to the stream which allows potential to reach stream
	3S	9W	30	Cattle Access	2133 ft	fencing	Yes	Not adequate	Medium	Cattle in field fenced out of stream but the fence is right next to the stream which allows potential to reach stream
	3S	9W	32	Cattle Access	219 ft	fencing	Yes	Not adequate	Medium	Cattle in field fenced out of stream but the fence is right next to the stream which allows potential to reach stream
	4S	10W	2	Manure Application	26.4	nutrient management	Yes	Not adequate	Medium	
	4S	10W	2	Indadequate buffer	1344 ft	bufferstrip	Yes	Not adequate	Medium	
	4S	10W	2	Indadequate buffer	976 ft	bufferstrip	Yes	Not adequate	Medium	
	4S	10W	3	Manure Application	13.5 ac		Yes	Not adequate	Medium	
	4S	10W	3	Manure Application	39.4		Yes	Not adequate	Medium	
	4S	10W	3	Indadequate buffer	2961 ft		Yes	Not adequate	Medium	
	3S	10W	35	Horse Pasture	1.7 Acre		Yes	Not adequate	Medium	Pasture is in the floodplain. Large bankfull events flood well into pasture area. Small number of horses observed 1-5.
	4S	10W	4		30.5 ac		Yes	N/A	Medium	Manure Application, Irrigated
	4S	10W	9		73 ac		No	N/A	Low	Manure Application
	4S	10W	8	Manure Application	13.8 ac		No	N/A	Low	

Portage River  
Prioritized Resource Concerns

Watershed	Township	Range	Section	Issue	Acres/Length	Recommended BMP	Adjacent to Waterbody	Buffer	Priority Level	Notes
<b>Indian Lake - Portage River (con't)</b>										
	4S	10W	16	Irrigation fueling	1		N/A	N/A	Medium	Irrigation fueling, surface water withdrawal
	4S	10W	21	Irrigation fueling	1		N/A	N/A	Medium	Irrigation fueling, surface water withdrawal
	4S	10W	21	Irrigation fueling	1		N/A	N/A	Medium	Irrigation fueling, surface water withdrawal
	4S	10W	21	Irrigation fueling	1		N/A	N/A	Medium	Irrigation fueling, surface water withdrawal
	4S	10W	21	Manipulation of the streambank	0.01 ac		N/A	N/A	Medium	Purposely dredged the streambank to make a pond, an estimate of 4-6ft in depth
	4S	10W	20	Irrigation fueling	1		N/A	N/A	Medium	Irrigation fueling, surface water withdrawal
	4S	10W	29	Manure Application	33.7 ac		Y	Y	Medium	Manure Application
	4S	10W	29	Manure Application	22.8 ac		Y	Y	Medium	Manure Application
	4S	10W	29		28.4 ac		Y	Y	Medium	Manure Application, This field was observed contributing runoff during the late winter/early spring directly to the creek
	4S	10W	28	Irrigation fueling	1		N/A	N/A	Medium	Irrigation fueling, surface water withdrawal
	4S	10W	28	Manure Application	26.5 ac		Y	Y	Medium	Manure Application, This field was observed contributing runoff during the late winter/early spring directly to the creek
	4S	10W	28	Manure Application	13.3 ac		Y	Y	Medium	Manure Application
	4S	10W	28	Manure Application	13.7 ac		N	N/A	Medium	Manure Application
<b>Goose Lake Drain - Portage River</b>										
	5S	10W	17	Manure Application	185.81 ac		Y	Not sufficient	Medium	Manure Application
	5S	10W	17	Manure Application	48.89 ac			Not sufficient	Medium	Manure Application
	5S	10W	17	Manure Application	13.9 ac			Not sufficient	Medium	Manure Application
	5S	10W	22	Erosion	87.25 ac		N	N/A	Medium	Sheet erosion coming of field. Drains into roadside ditch (Buckner) runs downstream (S) into Garman Foster Drain. Photos depict this in Water Quality Statement PR under Goose Lake Drain. Not mapped
	5S	10W	22	Erosion, topsoil loss, irrigation	44.7 ac		Y	Not sufficient	Medium	
	5S	10W	22	Erosion, topsoil loss, irrigation	25.131 ac		Y	Not sufficient	Medium	
	5S	10W	21, 22	Erosion, topsoil loss, irrigation	163 ac		Y	Not sufficient	Medium	
	5S	10W	10	Manure Application	26.8 ac		Y	Not sufficient	Medium	
	5S	10W	10	Manure Application	34.6 ac		Y	Not sufficient	Medium	
	5S	10W	15	Irrigation	22.8		Y	Not sufficient	Medium	
	5S	10W	15	Irrigation	23.8		Y	Not sufficient	Medium	
	5S	10W	19	Inadequate buffer	2406 ft		Y	Not sufficient	Medium	
	5S	10W	19	Inadequate buffer	2517.34 ft		Y	Not sufficient	Medium	
	5S	10W	20	Inadequate buffer	985 ft		Y	Not sufficient	Medium	
<b>Butternut Creek - Bear Creek</b>										
	4S	9W	19	Inadequate buffer	7084 ft		Y	Not sufficient	Medium	
	4S	10W	24	Inadequate buffer	1797 ft		Y	Not sufficient	Medium	
	4S	10W	24	Inadequate buffer, run-off	2998 ft		Y	Not sufficient	Medium	
	4S	9W	18	Inadequate buffer	1501 ft		Y	Not sufficient	Medium	
	4S	10W	35	Cattle Runoff	332 ft		Y	Not sufficient	Medium	
	4S	9W	30	Inadequate buffer, Tile	2012 ft		Y	Not sufficient	Medium	

\*Resource concerns observed visually during agricultural inventory. Resource concerns were then assigned a priority level due to extent of observed problem, location to waterbody, likelihood of delivery to system, and extent of severity and area (i.e. acreage and length).