

APPENDIX A. TMDL SUBBASIN LAND USE

Table 1. Land use summary for each TMDL subbasin, including tribal lands.

TMDL Subbasin ID & Name	Units	Total	Forest	Wetland	Cropland	Pasture/ Grassland	Non-Regulated Urban	Regulated MS4 Urban	Open Water
1 Upper Neenah Creek	acres	34,966	15,567	3,280	5,651	8,879	1,589	0	0
	%	100%	45%	9%	16%	25%	5%	0%	0%
2 Tributary to Mason Lake	acres	5,363	2,776	155	1,510	786	137	0	0
	%	100%	52%	3%	28%	15%	3%	0%	0%
3 Mason Lake	acres	13,525	3,476	802	4,781	2,780	557	0	1,128
	%	100%	26%	6%	35%	21%	4%	0%	8%
4 Neenah Creek	acres	49,999	15,384	7,594	11,675	13,033	1,893	46	374
	%	100%	31%	15%	23%	26%	4%	0.1%	1%
5 Park Lake	acres	34,135	6,095	2,919	14,929	8,860	1,331	0	0
	%	100%	18%	9%	44%	26%	4%	0%	0%
6 Swan Lake	acres	7,846	1,411	1,933	1,588	1,553	697	0	663
	%	100%	18%	25%	20%	20%	9%	0%	8%
7 Buffalo Lake Inflow	acres	68,122	18,226	15,398	12,978	17,316	2,216	932	1,056
	%	100%	27%	23%	19%	25%	3%	1%	2%
8 Westfield Creek	acres	31,065	12,891	4,258	5,930	6,182	1,803	0	0
	%	100%	41%	14%	19%	20%	6%	0%	0%
9 Buffalo Lake	acres	39,188	14,522	7,103	2,431	9,434	2,078	0	3,619
	%	100%	37%	18%	6%	24%	5%	0%	9%
10 Montello River	acres	58,915	20,887	9,993	12,436	11,518	2,828	0	1,253
	%	100%	35%	17%	21%	20%	5%	0%	2%
11 Little Green Lake	acres	2,392	170	92	1,362	141	110	0	515
	%	100%	7%	4%	57%	6%	5%	0%	22%
12 Upper Grand River	acres	36,894	0	1,099	27,246	7,069	1,480	0	0
	%	100%	0%	3%	74%	19%	4%	0%	0%
13 Tributary to Grand River	acres	10,464	981	0	7,145	1,940	373	0	24
	%	100%	9%	0%	68%	19%	4%	0%	0.2%
14 Middle Grand River	acres	18,678	1,983	1,673	9,398	4,157	524	0	943
	%	100%	11%	9%	50%	22%	3%	0%	5%
15 Lower Grand River	acres	48,782	11,848	8,561	9,785	14,899	1,421	0	2,269
	%	100%	24%	18%	20%	31%	3%	0%	5%
16 Lake Puckaway	acres	34,138	4,834	10,972	3,486	5,906	1,267	0	7,672

TMDL Subbasin ID & Name	Units	Total	Forest	Wetland	Cropland	Pasture/ Grassland	Non-Regulated Urban	Regulated MS4 Urban	Open Water
	%	100%	14%	32%	10%	17%	4%	0%	22%
17 Roy Creek	acres	3,649	398	94	2,577	525	56	0	0
	%	100%	11%	3%	71%	14%	2%	0%	0%
18 Wuerches Creek	acres	3,399	203	0	2,681	438	77	0	0
	%	100%	6%	0%	79%	13%	2%	0%	0%
19 Silver Creek - Below South Koro Road	acres	5,850	281	854	3,006	1,434	276	0	0
	%	100%	5%	15%	51%	25%	5%	0%	0%
20 Green Lake	acres	25,190	2,499	1,868	5,342	4,002	1,346	0	10,134
	%	100%	10%	7%	21%	16%	5%	0%	40%
21 Mecan River	acres	102,458	38,235	26,862	10,583	21,930	4,847	0	0
	%	100%	37%	26%	10%	21%	5%	0%	0%
22 Upper White River	acres	31,482	13,334	4,853	3,018	8,125	2,152	0	0
	%	100%	42%	15%	10%	26%	7%	0%	0%
23 Lower White River	acres	34,913	9,505	13,937	3,012	6,234	1,583	0	642
	%	100%	27%	40%	9%	18%	5%	0%	2%
24 Fox River - Downstream Lake Puckaway	acres	47,300	10,283	17,178	7,335	10,180	1,665	0	659
	%	100%	22%	36%	16%	22%	4%	0%	1%
25 Puchyan River	acres	17,251	1,528	5,251	5,422	4,105	876	0	69
	%	100%	9%	30%	31%	24%	5%	0%	0.4%
26 Harrington Creek	acres	5,049	399	246	2,562	1,538	304	0	0
	%	100%	8%	5%	51%	30%	6%	0%	0%
27 Waukau Creek	acres	57,010	863	5,840	31,915	13,220	1,691	0	3,480
	%	100%	2%	10%	56%	23%	3%	0%	6%
28 Fox River - White River to Omro	acres	90,593	11,982	21,370	29,906	23,096	3,976	0	262
	%	100%	13%	24%	33%	25%	4%	0%	0.3%
29 Fox River - Omro to Lake Butte des Morts	acres	8,534	229	415	4,260	2,372	820	0	438
	%	100%	3%	5%	50%	28%	10%	0%	5%
30 Sawyer Creek	acres	9,509	0	0	5,024	2,192	388	1,905	0
	%	100%	0%	0%	53%	23%	4%	20%	0%
31 Spring Brook	acres	12,355	288	0	8,959	2,590	517	0	0
	%	100%	2%	0%	73%	21%	4%	0%	0%
32 Van Dyne Creek	acres	5,629	150	187	3,533	1,525	234	0	0

TMDL Subbasin ID & Name	Units	Total	Forest	Wetland	Cropland	Pasture/ Grassland	Non-Regulated Urban	Regulated MS4 Urban	Open Water
	%	100%	3%	3%	63%	27%	4%	0%	0%
33 Anderson Creek	acres	3,862	0	0	2,766	728	214	154	0
	%	100%	0%	0%	72%	19%	6%	4%	0%
34 Mosher Creek	acres	3,103	0	0	1,570	526	110	897	0
	%	100%	0%	0%	51%	17%	4%	29%	0%
35 Tributary to West Branch Fond du Lac River	acres	6,190	0	427	4,354	985	423	0	0
	%	100%	0%	7%	70%	16%	7%	0%	0%
36 Sevenmile Creek	acres	13,740	0	1,910	7,988	3,449	392	0	0
	%	100%	0%	14%	58%	25%	3%	0%	0%
37 Campground Creek	acres	6,906	186	461	3,834	2,066	359	0	0
	%	100%	3%	7%	56%	30%	5%	0%	0%
38 De Neveu Creek	acres	576	0	0	389	168	18	0	0
	%	100%	0%	0%	68%	29%	3%	0%	0%
39 Tributary to De Neveu Creek	acres	6,466	278	461	2,599	2,600	290	239	0
	%	100%	4%	7%	40%	40%	4%	4%	0%
40 Tributary to Parsons Creek	acres	1,144	44	38	532	437	94	0	0
	%	100%	4%	3%	46%	38%	8%	0%	0%
41 Upper Parsons Creek	acres	1,691	100	136	859	543	53	0	0
	%	100%	6%	8%	51%	32%	3%	0%	0%
42 Parsons Creek	acres	2,002	116	95	1,087	631	73	0	0
	%	100%	6%	5%	54%	32%	4%	0%	0%
43 East Branch Fond du Lac River	acres	25,244	0	1,372	13,369	7,046	852	2,605	0
	%	100%	0%	5%	53%	28%	3%	10%	0%
44 West Branch Fond du Lac River	acres	49,996	0	8,037	28,431	10,895	1,446	1,187	0
	%	100%	0%	16%	57%	22%	3%	2%	0%
45 Carpenter Creek	acres	7,902	3,368	1,237	710	2,335	252	0	0
	%	100%	43%	16%	9%	30%	3%	0%	0%
46 Mud Creek	acres	3,996	209	94	2,458	1,049	186	0	0
	%	100%	5%	2%	62%	26%	5%	0%	0%
47 Pine River	acres	64,892	32,433	13,955	0	15,458	3,046	0	0
	%	100%	50%	22%	0%	24%	5%	0%	0%
48 Willow Creek	acres	85,814	26,296	16,017	16,590	19,925	4,486	0	2,501

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	%	100%	31%	19%	19%	23%	5%	0%	3%
49 Tributary to Rat River	acres	7,754	621	2,125	2,696	2,028	285	0	0
	%	100%	8%	27%	35%	26%	4%	0%	0%
50 Rat River	acres	39,795	2,189	7,192	15,602	13,018	1,674	120	0
	%	100%	6%	18%	39%	33%	4%	0.3%	0%
51 Arrowhead River	acres	19,751	629	0	12,544	5,776	801	0	0
	%	100%	3%	0%	64%	29%	4%	0%	0%
52 Bear Creek (Wolf)	acres	40,195	2,532	2,700	22,373	10,332	1,246	1,011	0
	%	100%	6%	7%	56%	26%	3%	3%	0%
53 Shioc River	acres	82,464	11,296	11,335	42,602	14,272	2,958	0	0
	%	100%	14%	14%	52%	17%	4%	0%	0%
54 White Clay Lake	acres	2,695	178	224	1,673	315	79	0	227
	%	100%	7%	8%	62%	12%	3%	0%	8%
55 Upper Wolf River	acres	479,311	269,034	137,849	15,588	32,981	17,011	0	6,849
	%	100%	56%	29%	3%	7%	4%	0%	1%
56 Shawano Lake	acres	40,628	10,056	8,128	8,073	4,182	2,708	0	7,480
	%	100%	25%	20%	20%	10%	7%	0%	18%
57 Long Lake	acres	6,083	721	1,585	2,532	1,013	233	0	0
	%	100%	12%	26%	42%	17%	4%	0%	0%
58 Upper Embarrass River	acres	159,218	56,146	41,047	30,491	23,765	7,768	0	0
	%	100%	35%	26%	19%	15%	5%	0%	0%
59 Middle Embarrass River	acres	112,707	29,887	30,754	31,227	16,291	4,533	0	16
	%	100%	27%	27%	28%	14%	4%	0%	0.01%
60 Pigeon River	acres	75,750	21,760	14,924	19,405	15,433	4,229	0	0
	%	100%	29%	20%	26%	20%	6%	0%	0%
61 Lower Little Wolf River	acres	15,420	3,635	2,007	4,964	4,221	592	0	0
	%	100%	24%	13%	32%	27%	4%	0%	0%
62 School Section Lake	acres	1,645	175	140	660	560	65	0	45
	%	100%	11%	8%	40%	34%	4%	0%	3%
63 Tree Lake	acres	2,952	1,143	802	303	474	92	0	139
	%	100%	39%	27%	10%	16%	3%	0%	5%
64 Bear Creek (Embarrass)	acres	12,895	1,334	1,478	7,310	2,260	513	0	0

TMDL Subbasin ID & Name	Units	Total	Forest	Wetland	Cropland	Pasture/ Grassland	Non-Regulated Urban	Regulated MS4 Urban	Open Water
	%	100%	10%	11%	57%	18%	4%	0%	0%
65 Collins Lake	acres	1,830	426	151	983	141	51	0	78
	%	100%	23%	8%	54%	8%	3%	0%	4%
66 Waupaca River	acres	174,801	64,936	13,149	37,945	46,313	10,646	0	1,812
	%	100%	37%	8%	22%	26%	6%	0%	1%
67 Wolf River – Shawano to Shioc River	acres	81,105	16,617	22,296	24,456	11,114	4,734	0	1,888
	%	100%	20%	27%	30%	14%	6%	0%	2%
68 Wolf River - Shioc River to Bear Creek	acres	27,891	2,997	6,405	12,884	4,498	1,106	0	0
	%	100%	11%	23%	46%	16%	4%	0%	0%
69 Wolf River - Bear Creek to Embarrass River	acres	14,411	911	4,808	3,815	3,287	1,275	0	316
	%	100%	6%	33%	26%	23%	9%	0%	2%
70 Lower Embarrass River	acres	70,914	9,358	14,941	33,387	10,733	2,495	0	0.2
	%	100%	13%	21%	47%	15%	4%	0%	0%
71 Wolf River - Embarrass River to Lake Poygan	acres	116,118	28,973	30,502	13,988	32,843	5,376	0	4,436
	%	100%	25%	26%	12%	28%	5%	0%	4%
72 Lake Poygan and Lake Winneconne	acres	71,145	4,798	11,499	15,764	17,595	2,116	0	19,373
	%	100%	7%	16%	22%	25%	3%	0%	27%
73 Lake Butte des Morts	acres	42,599	0	3,075	18,595	6,990	1,533	2,324	10,082
	%	100%	0%	7%	44%	16%	4%	5%	24%
74 Fox River - Lake Butte des Morts to Lake Winnebago	acres	4,151	0	0	0	338	20	3,409	384
	%	100%	0%	0%	0%	8%	0.5%	82%	9%
75 Lake Winnebago	acres	227,559	7,413	0	49,915	22,954	4,294	11,177	131,806
	%	100%	3%	0%	22%	10%	2%	5%	58%
76 Crane Lake	acres	3,820	2,802	450	0	0	85	0	483
	%	100%	73%	12%	0%	0%	2%	0%	13%
77 Upper Post Lake	acres	51,073	24,476	20,337	0	1,862	1,461	0	2,938
	%	100%	48%	40%	0%	4%	3%	0%	6%
78 Pine Lake	acres	13,046	4,897	5,110	0	462	431	0	2,146
	%	100%	38%	39%	0%	4%	3%	0%	16%
79 Hill Creek	acres	2,241	64	27	1,598	472	41	0	38
	%	100%	3%	1%	71%	21%	2%	0%	2%
80 Wolf River - Upper Post Lake to Hunting River	acres	111,945	60,544	35,076	24	3,494	4,861	0	7,947

TMDL Subbasin ID & Name	Units	Total	Forest	Wetland	Cropland	Pasture/ Grassland	Non-Regulated Urban	Regulated MS4 Urban	Open Water
	%	100%	54%	31%	0.02%	3%	4%	0%	7%
81 Upper Little Wolf River	acres	306,828	135,317	58,818	34,976	63,786	11,002	0	2,929
	%	100%	44%	19%	11%	21%	4%	0%	1%
82 Black Otter Lake	acres	10,026	796	592	4,852	3,317	469	0	0
	%	100%	8%	6%	48%	33%	5%	0%	0%
83 Big Twin Lake	acres	2,050	192	106	1,315	307	40	0	90
	%	100%	9%	5%	64%	15%	2%	0%	4%
84 Lake Emily	acres	1,422	129	0	688	163	61	0	382
	%	100%	9%	0%	48%	11%	4%	0%	27%
85 Old Taylor Lake	acres	185	70	24	0	61	16	0	14
	%	100%	38%	13%	0%	33%	9%	0%	8%
86 Spring Lake	acres	6,815	2,207	117	1,950	2,268	272	0	0
	%	100%	32%	2%	29%	33%	4%	0%	0%
87 Silver Creek - Above South Koro Road	acres	23,519	0	1,448	16,437	3,335	2,299	0	0
	%	100%	0%	6%	70%	14%	10%	0%	0%
88 Fond du Lac River	acres	1,525	0	0	0	308	0.4	1,216	0
	%	100%	0%	0%	0%	20%	0.03%	80%	0%
89 Black Creek	acres	35,470	2,673	1,818	22,780	6,087	2,112	0	0
	%	100%	8%	5%	64%	17%	6%	0%	0%

Table 2. Land use summary for tribal areas in the Upper Fox-Wolf Basins.

TMDL Subbasin ID & Name		Tribal Area	Units	Total	Forest	Wetland	Cropland	Pasture/ Grassland	Non-Regulated Urban	Regulated MS4 Urban	Open Water
55	Upper Wolf River	Menominee Reservation	acres	173,904	92,410	68,252	652	3,141	6,183	0	3,267
			%	100%	53%	39%	0.4%	2%	4%	0%	2%
		Menominee Off-Reservation Trust Land	acres	1,273	391	214	339	234	71	0	25
			%	100%	31%	17%	27%	18%	6%	0%	2%
		Stockbridge Munsee Community	acres	13,331	7,056	5,571	224	163	256	0	62
			%	100%	53%	42%	2%	1%	2%	0%	0.5%
56	Shawano Lake	Menominee Reservation	acres	6,871	2,884	2,912	42	196	295	0	542
			%	100%	42%	42%	1%	3%	4%	0%	8%
58	Upper Embarrass River	Ho-Chunk Nation Off-Reservation Trust Land	acres	707	238	124	204	109	32	0	0
			%	100%	34%	18%	29%	15%	5%	0%	0%
59	Middle Embarrass River	Stockbridge Munsee Community	acres	1,936	830	1,012	14	6	75	0	0
			%	100%	43%	52%	1%	0.3%	4%	0%	0%
80	Wolf River - Upper Post Lake to Hunting River	Forest County Potawatomi Community	acres	1,846	1,412	251	0	34	118	0	30
			%	100%	76%	14%	0%	2%	6%	0%	2%
		Forest County Potawatomi Off- Reservation Trust Land	acres	16	16	0.2	0	0	0	0	0
			%	100%	99%	1%	0%	0%	0%	0%	0%
		Sokaogon Chippewa Community	acres	2,108	721	910	0	128	107	0	241
			%	100%	34%	43%	0%	6%	5%	0%	11%
Sokaogon Chippewa Off- Reservation Trust Land	acres	1,237	737	427	0	48	19	0	6		
	%	100%	60%	35%	0%	4%	2%	0%	0.4%		
81	Upper Little Wolf River	Ho-Chunk Nation Off-Reservation Trust Land	acres	166	109	47	3	6	1	0	0
			%	100%	66%	28%	2%	4%	1%	0%	0%