

## COUNTY AREAL ESTIMATES OF MINNESOTA'S 8 WETLAND TYPES (CIRCULAR 39 CLASSIFICATION)

County areal estimates (**acres**) of Minnesota's eight wetland types (Circular 39) plus riverine wetlands, industrial/municipal wetlands, total wetlands, total deep water, total upland, and total county area. Data are derived from National Wetland Inventory (NWI) habitat classification polygon data (Cowardin *et al.* 1979) and approximated to U.S. Fish & Wildlife Service Circular 39 wetland types (Shaw and Fredine 1956, reprinted 1971). Circular 39 types 1 (T1) through 8 (T8) are consistent with the classification method; Riverine wetlands are between-bank wetland habitats; and Industrial/municipal habitats are often dike-related impoundments (Cowardin *et al.* 1979). Total Wetlands is the sum of wetland types T1 through T8 *plus* Riverine *plus* Industrial/Municipal habitats. Deep Water habitats, greater than 2-m deep, were assumed to be all NWI polygons labeled as L1, PUBG, and PUBH. Total Wetlands *plus* Total Deep Water *plus* Total Upland *equals* the Total County Area. Values may vary somewhat based upon county separations of the NWI data.

<b>ID</b>	<b>County</b>	<b>CIRCULAR 39 WETLAND TYPES (Shaw and Fredine 1956)</b>								<b>Riverine</b>	<b>Industrial/ Municipal</b>	<b>Total Wetlands</b>	<b>Total Deep Water</b>	<b>Total Upland</b>	<b>Total County Area</b>
		<b>T1</b>	<b>T2</b>	<b>T3</b>	<b>T4</b>	<b>T5</b>	<b>T6</b>	<b>T7</b>	<b>T8</b>						
1	Aitkin	906	72,854	22,974	3,194	5,601	164,923	67,136	212,523	28	3,015	553,154	99,707	623,021	1,275,882
2	Anoka	1,797	5,302	42,886	1,052	3,051	12,744	9,846	1,696	23	1,034	79,431	8,866	197,069	285,366
3	Becker	2,207	10,564	60,004	3,642	13,701	26,904	8,304	23,026	60	261	148,673	66,843	709,508	925,024
4	Beltrami	4,335	138,584	37,805	3,546	2,991	262,147	168,592	323,791	2,734	825	945,350	347,737	661,764	1,954,851
5	Benton	1,306	16,405	14,878	386	569	6,013	904	149	37	580	41,227	2,116	220,726	264,069
6	Big Stone	2,647	1,745	20,892	997	2,208	425	1,772	0	80	52	30,818	12,926	294,109	337,853
7	Blue Earth	5,302	153	12,733	262	692	520	1,574	0	8	2,756	24,000	6,006	459,838	489,844
8	Brown	6,261	325	7,472	267	821	551	1,721	0	148	1,484	19,050	2,895	373,804	395,749
9	Carlton	508	6,805	5,661	510	548	66,349	24,055	86,592	529	1,164	192,721	7,124	359,824	559,669
10	Carver	8,694	230	21,542	324	2,900	850	1,929	0	45	607	37,121	8,210	195,220	240,551
11	Cass	4,691	13,331	82,128	6,680	10,292	115,119	21,354	109,241	1,435	2,427	366,698	234,456	942,892	1,544,046
12	Chippewa	1,160	971	6,777	278	158	507	1,731	3	1	891	12,477	2,700	361,009	376,186
13	Chisago	929	18,910	5,309	355	3,811	11,909	8,920	5,054	98	1,334	56,629	11,554	214,630	282,813
14	Clay	2,037	7,913	15,800	571	903	3,517	1,355	54	235	979	33,364	4,636	636,320	674,320
15	Clearwater	532	56,962	17,847	3,984	1,958	47,894	7,113	21,220	7,238	465	165,213	18,977	474,833	659,023
16	Cook	47	3,588	12,486	3,225	3,341	25,535	4,993	106,487	1,319	1,197	162,218	88,978	776,675	1,027,871
17	Cottonwood	747	64	6,600	121	1,871	75	559	0	108	506	10,651	3,396	401,213	415,260
18	Crow Wing	473	10,521	30,075	1,976	8,213	58,315	22,671	27,671	249	2,301	162,465	90,628	486,598	739,691
19	Dakota	5,995	551	12,491	778	1,213	1,188	1,859	0	52	374	24,501	9,872	340,534	374,907
20	Dodge	2,059	1,125	1,698	22	4	200	186	21	7	9	5,331	117	275,657	281,105
21	Douglas	2,946	253	41,766	1,973	6,743	3,658	3,994	18	44	203	61,598	47,042	351,973	460,613
22	Faribault	762	12	5,207	121	275	212	420	0	146	805	7,960	3,280	450,257	461,497
23	Fillmore	2,929	953	580	98	0	351	88	0	83	1,259	6,341	724	544,315	551,380
24	Freeborn	765	246	8,797	216	363	278	68	0	0	193	10,926	8,695	442,472	462,093

25	Goodhue	5,275	1,740	4,979	107	2,833	811	4,592	19	12	442	20,810	10,569	467,617	498,996
26	Grant	3,958	201	15,229	972	3,894	334	616	0	53	97	25,354	13,561	329,383	368,298
27	Hennepin	2,293	949	34,450	1,571	2,911	3,564	6,482	115	47	1,109	53,491	27,018	307,264	387,773
28	Houston	2,567	924	4,088	985	4,105	556	7,357	14	1	650	21,247	3,962	338,599	363,808
29	Hubbard	805	3,750	18,713	2,403	2,793	32,011	2,667	16,469	25	552	80,188	44,957	514,256	639,401
30	Isanti	3,524	16,035	15,101	630	1,497	23,455	5,640	5,756	10	839	72,487	6,908	209,566	288,961
31	Itasca	6,831	24,190	38,937	9,423	4,506	142,712	52,571	286,374	4,969	3,720	574,233	154,776	1,142,180	1,871,189
32	Jackson	1,903	0	9,748	226	7,308	177	477	0	101	719	20,659	2,672	402,500	425,831
33	Kanabec	2,287	27,939	8,815	593	1,255	21,819	7,799	4,593	5	1,009	76,114	4,749	260,151	341,014
34	Kandiyohi	4,028	2,899	37,813	2,169	4,194	4,790	3,829	48	68	57	59,895	34,065	457,552	551,512
35	Kittson	2,938	42,356	5,112	827	193	17,505	2,290	211	83	1,141	72,656	1,176	632,830	706,662
36	Koochiching	6,088	30,806	26,858	3,782	3,767	171,344	96,320	999,520	57	7,692	1,346,234	22,935	647,349	2,016,518
37	Lac Qui Parle	778	2,535	14,463	642	2,675	871	2,706	33	5	571	25,279	4,706	434,536	464,521
38	Lake	63	2,991	8,659	4,704	2,868	51,081	19,188	271,008	48	1,903	362,513	109,682	989,992	1,462,187
39	Lake of the Woods	1,877	51,676	7,966	2,152	18,657	197,111	154,217	272,761	129	1,764	708,310	219,346	144,713	1,072,369
40	Le Sueur	9,027	327	19,852	177	2,461	702	562	0	226	640	33,974	11,993	257,074	303,041
41	Lincoln	2,725	351	11,290	471	2,210	108	179	2	66	3	17,405	4,356	329,530	351,291
42	Lyon	2,072	389	10,229	743	986	196	439	0	64	11	15,129	3,434	443,345	461,908
43	McLeod	9,964	150	20,528	184	1,017	445	1,021	0	28	50	33,387	6,786	283,255	323,428
44	Mahnomen	2,039	7,595	23,954	296	868	8,716	2,545	4,334	35	474	50,856	14,961	307,374	373,191
45	Marshall	5,319	52,328	41,201	5,244	2,596	56,192	22,985	8,446	501	1,073	195,885	7,858	957,219	1,160,962
46	Martin	3,677	72	6,764	211	3,144	164	1,168	0	25	24	15,249	8,257	443,193	466,699
47	Meeker	5,659	1,277	38,380	1,134	3,520	4,921	4,400	127	15	416	59,849	17,517	335,272	412,638
48	Mille Lacs	1,518	38,146	17,499	350	1,281	27,264	10,841	7,621	82	1,004	105,606	67,091	263,224	435,921
49	Morrison	4,232	27,690	68,754	1,308	209	48,966	11,355	6,402	21	2,788	171,725	15,606	550,328	737,659
50	Mower	4,971	1,347	1,510	74	143	354	188	5	77	307	8,976	277	445,861	455,114
51	Murray	1,521	115	11,719	450	1,228	299	423	0	80	9	15,844	7,673	437,142	460,659
52	Nicollet	5,030	160	12,841	904	996	418	1,294	0	13	1,374	23,030	3,626	272,012	298,668
53	Nobles	1,563	61	5,406	174	575	49	34	0	154	47	8,063	3,620	450,679	462,362
54	Norman	2,275	4,032	6,857	217	0	1,921	2,932	216	94	1,291	19,835	612	524,117	544,564
55	Olmsted	3,823	2,823	1,575	80	189	549	207	72	35	338	9,691	958	407,896	418,545
56	Otter Tail	3,676	10,220	100,587	4,338	13,975	31,227	18,367	18,284	180	1,133	201,987	141,524	1,080,746	1,424,257
57	Pennington	1,726	15,299	3,778	76	0	6,059	1,861	276	1,012	1,255	31,342	374	364,175	395,891
58	Pine	4,646	43,255	38,729	447	884	85,005	34,992	60,262	141	2,853	271,214	11,930	634,138	917,282
59	Pipestone	1,264	44	3,221	177	60	35	18	0	29	88	4,936	260	293,380	298,576
60	Polk	3,763	27,237	26,617	440	2,462	14,800	7,228	1,437	4,272	2,600	90,856	15,449	1,173,238	1,279,543
61	Pope	3,258	1,102	38,893	2,308	9,408	5,702	4,300	0	6	55	65,032	20,593	369,625	455,250

62	Ramsey	184	270	5,409	384	1,451	1,579	1,219	44	20	63	10,623	8,023	90,144	108,790
63	Red Lake	1,187	5,106	2,156	65	0	2,202	1,903	259	40	1,450	14,368	250	262,314	276,932
64	Redwood	2,948	335	5,205	407	212	253	339	0	72	642	10,413	374	553,176	563,963
65	Renville	8,327	330	7,401	254	1,012	153	798	0	150	815	19,240	1,491	610,925	631,656
66	Rice	4,573	552	16,377	138	2,420	803	266	0	0	578	25,707	8,579	295,754	330,040
67	Rock	561	54	1,815	239	0	10	29	0	83	847	3,638	482	305,157	309,277
68	Roseau	8,235	119,160	4,149	2,815	1,682	100,511	69,323	49,251	139	634	355,899	1,331	717,003	1,074,233
69	St. Louis	2,934	30,887	43,521	9,975	31,687	274,204	74,891	822,817	24,825	9,951	1,325,692	253,420	2,727,861	4,306,973
70	Scott	9,384	391	20,036	492	664	975	3,006	,0	136	1,019	36,103	6,260	193,323	235,686
71	Sherburne	2,405	7,466	22,499	1,123	1,068	11,475	5,002	1,054	131	2,270	54,493	6,480	227,436	288,409
72	Sibley	8,263	76	13,851	103	1,490	179	1,697	0	80	491	26,230	4,263	353,537	384,030
73	Stearns	8,344	2,802	81,058	2,495	3,599	15,555	10,348	1,262	225	1,416	127,104	25,024	737,014	889,142
74	Steele	963	256	4,409	103	678	417	322	0	0	99	7,247	419	268,682	276,348
75	Stevens	6,150	216	13,447	588	1,569	371	773	0	110	304	23,528	5,520	332,715	361,763
76	Swift	494	2,778	16,606	500	1,421	1,508	3,487	0	0	452	27,246	3,464	450,914	481,624
77	Todd	2,765	289	62,649	1,609	1,779	42,972	8,024	1,978	127	731	122,923	20,164	483,494	626,581
78	Traverse	4,369	0	6,320	814	437	86	558	0	0	168	12,752	6,650	352,495	371,897
79	Wabasha	7,327	9	3,281	366	1,994	661	2,543	0	7	1,319	17,507	12,670	321,360	351,537
80	Wadena	1,960	4,334	28,499	123	781	36,639	5,971	5,661	26	1,725	85,719	2,119	259,583	347,421
81	Waseca	2,645	352	9,763	48	2,029	237	616	0	21	9	15,720	2,783	258,273	276,776
82	Washington	1,003	7,660	4,612	218	3,004	1,655	2,613	677	5	0	21,447	17,954	110,194	149,595
83	Watonwan	924	86	4,356	111	1,155	161	1,079	0	54	103	8,029	1,176	272,214	281,419
84	Wilkin	1,870	4,134	4,273	205	0	512	346	3	101	1,021	12,465	253	454,678	467,396
85	Winona	2,200	670	2,203	252	67	682	4,812	0	70	211	11,167	9,991	389,061	410,219
86	Wright	7,092	1,066	43,107	1,937	2,569	7,945	7,773	191	48	2,383	74,111	29,193	353,577	456,881
87	Yellow Medicine	1,642	538	8,635	677	371	156	674	0	43	625	13,361	1,360	474,058	488,779

**STATE-WIDE TOTALS 287,747 1,001,195 1,691,160 111,608 247,034 2,274,318 1,063,646 3,765,148 94,145 53,989 10,589,990 2,543,015 40,550,514 53,683,519**