

**Population sizes by component (Nh), study reach and stratum** (definitions provided below table).

Component	Reach	Stratum	Stratum Code	Years	N <sub>h</sub> -W	N <sub>h</sub>	Cell size (ha)
FISH	1	MCB-O	1502	All	2252	2252	0.25
FISH	1	MCB-S	1503	All	766	766	0.25
FISH	1	SC-O	1504	All	2887	2887	0.25
FISH	1	SC-S	1504	All	1717	1717	0.25
FISH	1	BWC-O	1510	All	5073	5073	0.25
FISH	1	BWC-S	1511	All	3860	3860	0.25
FISH	2	MCB-O	1502	All	2376	2376	0.25
FISH	2	MCB-S	1503	All	756	756	0.25
FISH	2	SC-O	1504	All	4148	4148	0.25
FISH	2	SC-S	1504	All	3026	3026	0.25
FISH	2	BWC-O	1510	All	1978	1978	0.25
FISH	2	BWC-S	1511	All	3434	3434	0.25
FISH	2	IMP-O	1520	All	13204	13204	0.25
FISH	2	IMP-S	1521	All	494	494	0.25
FISH	3	MCB-O	1502	All	4437	4437	0.25
FISH	3	MCB-S	1503	All	910	910	0.25
FISH	3	SC-O	1504	All	2758	2758	0.25
FISH	3	SC-S	1504	All	2010	2010	0.25
FISH	3	BWC-O	1510	All	5871	5871	0.25
FISH	3	BWC-S	1511	All	3626	3626	0.25
FISH	3	IMP-O	1520	All	10002	10002	0.25
FISH	3	IMP-S	1521	All	438	438	0.25
FISH	4	MCB-O	1502	All	13231	13231	0.25
FISH	4	MCB-S	1503	All	3199	3199	0.25
FISH	4	SC-O	1504	All	5671	5671	0.25
FISH	4	SC-S	1504	All	2503	2503	0.25
FISH	4	BWC-O	1510	All	358	358	0.25
FISH	4	BWC-S	1511	All	764	764	0.25
FISH	4	IMP-O	1520	All	588	588	0.25
FISH	4	IMP-S	1521	All	172	172	0.25
FISH	5	MCB-O	1502	All	12593	12593	0.25
FISH	5	MCB-S	1503	All	2592	2592	0.25
FISH	5	SC-O	1504	All	1872	1872	0.25
FISH	5	SC-S	1504	All	1077	1077	0.25
FISH	6	MCB-O	1502	All	9764	9764	0.25
FISH	6	MCB-S	1503	All	4935	4935	0.25
FISH	6	SC-O	1504	All	653	653	0.25
FISH	6	SC-S	1504	All	565	565	0.25
FISH	6	BWC-O	1510	All	6946	6946	0.25
FISH	6	BWC-S	1511	All	3616	3616	0.25
INVERTS	1	MCB	1503	All	2252	2252	0.25
INVERTS	1	SC	1504	All	2887	2887	0.25
INVERTS	1	BWC	1510	All	9203	9203	0.25
INVERTS	1	TDL	1513	All	37472	2342	4.00
INVERTS	2	MCB	1503	All	2529	2529	0.25
INVERTS	2	SC	1504	All	5506	5506	0.25
INVERTS	2	BWC	1510	All	7047	7047	0.25
INVERTS	2	IMP	1520	All	14021	14021	0.25
INVERTS	3	MCB	1503	All	4579	4579	0.25
INVERTS	3	SC	1504	All	3938	3938	0.25
INVERTS	3	BWC	1510	All	11115	11115	0.25
INVERTS	3	IMP	1520	All	14688	14688	0.25
INVERTS	4	MCB	1503	All	13251	13251	0.25
INVERTS	4	SC	1504	All	5983	5983	0.25
INVERTS	4	BWC	1510	All	1646	1646	0.25
INVERTS	4	IMP	1520	All	760	760	0.25
INVERTS	5	MCB	1503	All	13537	13537	0.25
INVERTS	5	SC	1504	All	1747	1747	0.25

INVERTS	6	MCB	1501	All	9776	9776	0.25
INVERTS	6	SC	1504	All	714	714	0.25
INVERTS	6	BWC	1510	All	4542	4542	0.25
VEG	1	BWC-L	1512	1998	7248	7248	0.25
VEG	1	BWC-L	1512	1999-present	7190	7190	0.25
VEG	1	BWC-U	1511	1998	2398	2398	0.25
VEG	1	BWC-U	1511	1999-present	2391	2391	0.25
VEG	1	BWI	1530	1998	977	977	0.25
VEG	1	BWI	1530	1999-present	933	933	0.25
VEG	1	MCB	1503	1998	1488	1488	0.25
VEG	1	MCB	1503	1999	1231	1231	0.25
VEG	1	MCB-L	1506	2000-present	986	986	0.25
VEG	1	MCB-U	1505	2000-present	245	245	0.25
VEG	1	SC	1504	1998	2405	2405	0.25
VEG	1	SC	1504	1999	2248	2248	0.25
VEG	1	SC-L	1508	2000-present	1351	1351	0.25
VEG	1	SC-U	1507	2000-present	897	897	0.25
VEG	1	TDL-L	1514	1998	2418	2418	0.25
VEG	1	TDL-L	1514	1999-present	2026	2026	0.25
VEG	1	TDL-U	1513	1998	6323	6323	0.25
VEG	1	TDL-U	1513	1999-present	5478	5478	0.25
VEG	2	BWC	1510	1998	7706	7706	0.25
VEG	2	BWC	1510	1999-present	7686	7686	0.25
VEG	2	BWI	1530	1998	1070	1070	0.25
VEG	2	BWI	1530	1999-present	1051	1051	0.25
VEG	2	IMP	1520	1998	14085	14085	0.25
VEG	2	IMP	1520	1999-present	13719	13719	0.25
VEG	2	MCB	1503	1998	1299	1299	0.25
VEG	2	MCB	1503	1999-present	1039	1039	0.25
VEG	2	SC	1504	1998	4301	4301	0.25
VEG	2	SC	1504	1999-present	3868	3868	0.25
VEG	3	BWC	1510	1998	11603	11603	0.25
VEG	3	BWC	1510	1999-present	11560	11560	0.25
VEG	3	BWI	1530	1998	1860	1860	0.25
VEG	3	BWI	1530	1999-present	1836	1836	0.25
VEG	3	IMP	1520	1998	14603	14603	0.25
VEG	3	IMP	1520	1999-present	14471	14471	0.25
VEG	3	MCB	1503	1998	2961	2961	0.25
VEG	3	MCB	1503	1999-present	2500	2500	0.25
VEG	3	SC	1504	1998	2622	2622	0.25
VEG	3	SC	1504	1999-present	2311	2311	0.25
VEG	4	BWC	1510	1998	986	986	0.25
VEG	4	BWC	1510	1999-present	985	985	0.25
VEG	4	BWI	1530	1998	921	921	0.25
VEG	4	BWI	1530	1999-present	921	921	0.25
VEG	4	BWI-I	1531	1998	6217	6217	0.25
VEG	4	BWI-I	1531	1999-present	6214	6214	0.25
VEG	4	IMP	1520	1998	535	535	0.25
VEG	4	IMP	1520	1999-present	488	488	0.25
VEG	4	MCB	1503	1998	4812	4812	0.25
VEG	4	MCB	1503	1999-present	3914	3914	0.25
VEG	4	MCB-I	1502	1998	1235	1235	0.25
VEG	4	MCB-I	1502	1999-present	1184	1184	0.25
VEG	4	SC	1504	1998	3300	3300	0.25
VEG	4	SC	1504	1999-present	2968	2968	0.25
VEG	6	BWC	1510	1998	7283	7283	0.25
VEG	6	BWC	1510	1999-present	7237	7237	0.25
VEG	6	BWI	1530	1998	16184	16184	0.25
VEG	6	BWI	1530	1999-present	16102	16102	0.25
VEG	6	LK	1532	2000-present	2586	2586	0.25
VEG	6	MCB	1503	1998	3383	3383	0.25

VEG	6	MCB	1503	1999-present	2763	2763	0.25
VEG	6	SC	1504	1998	613	613	0.25
VEG	6	SC	1504	1999-present	543	543	0.25
WATER	1	MC	1501	All	4960	310	4.00
WATER	1	SC	1504	1993-winter 1995	2887	180	4.00
WATER	1	SC	1504	spring 1995-present	2887	2887	0.25
WATER	1	BWC	1510	1993-winter 1995	9203	575	4.00
WATER	1	BWC	1510	spring 1995-present	9203	9203	0.25
WATER	1	TDL	1513	All	39056	2441	4.00
WATER	2	MC	1501	All	5024	314	4.00
WATER	2	SC	1504	1993-winter 1995	5506	344	4.00
WATER	2	SC	1504	spring 1995-present	5506	5506	0.25
WATER	2	BWC	1510	1993-winter 1995	7048	440	4.00
WATER	2	BWC	1510	spring 1995-present	7048	7048	0.25
WATER	2	IMP	1520	All	13904	869	4.00
WATER	3	MC	1501	All	10800	675	4.00
WATER	3	SC	1504	1993-winter 1995	3219	201	4.00
WATER	3	SC	1504	spring 1995-present	3219	3219	0.25
WATER	3	BWC	1510	1993-winter 1995	11106	703	4.00
WATER	3	BWC	1510	spring 1995-present	11106	11106	0.25
WATER	3	IMP	1520	All	14240	890	4.00
WATER	4	MC	1501	All	19440	1215	4.00
WATER	4	SC	1504	1993-winter 1995	5983	374	4.00
WATER	4	SC	1504	spring 1995-present	5983	5983	0.25
WATER	4	BWC	1510	1993-winter 1995	1658	104	4.00
WATER	4	BWC	1510	spring 1995-present	1658	1658	0.25
WATER	4	IMP	1520	All	704	44	4.00
WATER	4	LK	1513	All	3792	237	4.00
WATER	5	MC	1501	All	20768	1298	4.00
WATER	5	SC	1504	1993-winter 1995	1689	106	4.00
WATER	5	SC	1504	spring 1995-present	1689	1689	0.25
WATER	6	MC	1501	All	9968	623	4.00
WATER	6	SC	1504	1993-winter 1995	558	35	4.00
WATER	6	SC	1504	spring 1995-present	558	558	0.25
WATER	6	BWC	1510	1993-winter 1995	4197	262	4.00
WATER	6	BWC	1510	spring 1995-present	4197	4197	0.25

Nh is given both as the number of sampling frame elements (Nh) and as a corrected Nh (Nh-W) based on cell size.

Nh-W is suitable for calculating weights for across-strata estimates; Nh is suitable for finite population corrections.

Note that cell size for water differs by year, and that vegetation strata were defined as <3 m in 1998 and <2.5 m thereafter.

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## Definitions

Reach 1 = Pool 4

Reach 2 = Pool 8

Reach 3 = Pool 13

Reach 4 = Pool 26

Reach 5 = Open River Reach

Reach 6 = LaGrange Pool

MC = Main Channel

MCB = Main Channel Border

MCB-I = Main Channel Border - Alton Pool, Illinois River

MCB-O = Main Channel Border - Offshore

MCB-S = Main Channel Border - Shoreline

MCB-U = Main Channel Border Upper

MCB-L = Main Channel Border Lower

SC = Side Channel

SC-O = Side Channel - Offshore (for use with Fish data from off-shore gears)

SC-S = Side Channel - Shoreline (for use with Fish data from shoreline gears)

SC-U = Side Channel Upper

SC-L = Side Channel Lower

BWC = Contiguous Backwater

BWC-O = Contiguous Backwater - Offshore

BWC-S = Contiguous Backwater - Shoreline

BWC-U = Contiguous Backwater Upper  
BWC-L = Contiguous Backwater Lower  
IMP = Impounded  
IMP-O = Impounded - Offshore  
IMP-S = Impounded - Shoreline  
TDL = Tributary Delta Lake (Pepin)  
TDL-U = Tributary Delta Lake (Pepin) - Upper  
TDL-L = Tributary Delta Lake (Pepin) - Lower  
BWI = Isolated Backwater  
BWI-I = Isolated Backwater - Alton Pool, Illinois River  
LK = Managed Backwater Lake