

## Lock Characteristics Operational Statistics - 1999

River/ Lock	Chamber	River Mile	Year Open	Average Processing Time <sup>1</sup>	Total Tonnage	Average Tow Size		Percent Chamber Available	Lock Closures	
						Barges / Tow	Tons / Tow		Total Number	Avg Time <sup>2</sup>
<b>Alabama</b>										
Claiborne	Main	117.5	1969	23	236,895	4	2,096	100.00	0	0.00
<b>Albemarle &amp; Chesapeake Canal</b>										
Great Bridge	Main	11.5	1932	18	545,630	1	610	99.72	8	3.05
<b>Allegheny</b>										
2	Main	6.7	1934	30	2,611,580	3	1,687	93.47	9	63.53
3	Main	14.5	1934	32	2,567,580	3	1,691	97.63	2	103.93
4	Main	24.2	1927	28	1,612,797	2	1,122	99.76	9	2.35
5	Main	30.4	1927	24	766,237	4	1,593	94.25	4	125.85
6	Main	36.3	1928	20	161,199	2	844	87.77	3	357.13
7	Main	45.7	1930	19	133,662	2	941	70.99	6	423.52
8	Main	52.6	1931	22	673,120	1	784	68.80	5	546.67
9	Main	62.2	1938	15	0	0	0	48.22	7	647.97
<b>Apalachicola</b>										
Jim Woodruff	Main	106.3	1954	29	337,305	2	799	100.00	0	0.00
<b>Arkansas</b>										
Norrell	Main	10.3	1967	37	8,797,103	6	5,215	99.63	13	2.47
2	Main	13.3	1967	44	8,826,997	6	5,239	98.59	188	0.67
Joe Hardin	Main	50.2	1968	45	8,048,954	7	6,211	99.95	1	4.33
Emmett Sanders	Main	66.0	1968	43	8,043,052	7	6,274	100.00	0	0.00
5	Main	86.3	1968	40	7,431,516	7	6,219	100.00	0	0.00
David D. Terry	Main	108.1	1968	39	7,387,876	7	6,224	99.99	1	0.58
Murray	Main	125.4	1969	41	6,490,453	7	6,193	99.75	14	1.53
Toad Suck Ferry	Main	155.9	1969	51	6,364,044	7	6,137	100.00	0	0.00
Arthur V. Ormond	Main	176.9	1969	53	5,973,962	7	6,322	99.70	9	2.93
Dardanelle	Main	205.5	1969	50	5,993,626	7	6,336	99.94	2	2.72
Ozark - Jeta Taylor	Main	256.8	1969	46	4,361,324	6	6,500	99.95	1	4.00
James W. Trimble	Main	292.8	1969	38	4,608,165	3	3,278	99.94	4	1.22
W.D. Mayo	Main	319.6	1970	57	4,132,431	5	6,477	100.00	0	0.00
Robert S. Kerr	Main	336.2	1970	53	4,155,658	5	6,544	100.00	0	0.00
Webbers Falls	Main	366.6	1970	54	4,007,128	5	6,232	100.00	0	0.00
<b>Atchafalaya</b>										
Berwick	Main	1.5	1950	10	169,881	1	504	99.96	1	3.65
<b>Black</b>										
Jonesville	Main	25.0	1972	30	1,573,714	2	2,377	100.00	0	0.00

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<b>Black Rock Channel</b>										
Black Rock	Main	4.0	1914	14	285,595	1	4,327	39.50	251	21.12
<b>Black Warrior</b>										
Armistead I. Seldon	Main	262.0	1957	51	9,458,220	5	5,753	100.00	0	0.00
<b>Calcasieu River</b>										
Calcasieu Barrier	Cntrl	38.9	1968	3	627,857	2	1,618	100.00	0	0.00
<b>Caloosahatchee</b>										
Moore Haven	Main	78.0	1953	15	21,326	1	117	64.70	384	8.05
W. P. Franklin	Main	122.0	1965	15	14,285	1	121	65.71	367	8.18
<b>Canaveral Barge Canal</b>										
Canaveral	Main	3.0	1965	14	873,290	1	1,078	66.99	391	7.40
<b>Cape Fear</b>										
1	Main	39.0	1915	20	0	0	0	100.00	0	0.00
2	Main	71.0	1917	19	0	0	0	85.96	2	614.98
William O. Huske	Main	95.0	1935	20	0	0	0	85.48	3	423.98
<b>Chicago Harbor Channel</b>										
Chicago	Main	327.2	1939	17	315,530	1	1,005	75.31	19	113.85
<b>Columbia</b>										
Bonneville	Main	145.3	1993	37	9,678,824	3	4,228	97.77	8	24.38
The Dalles	Main	191.7	1957	31	9,271,751	3	4,259	97.93	3	60.52
John Day	Main	216.5	1968	39	8,600,616	3	4,379	97.85	3	62.67
Mcnary	Main	292.0	1953	26	7,604,466	3	4,282	96.95	4	66.70
<b>Cumberland</b>										
Barkley	Main	30.6	1964	56	9,072,278	8	5,305	99.07	33	2.47
Cheatham	Main	148.7	1952	61	9,542,172	8	6,101	95.94	112	3.17
Old Hickory	Main	216.2	1954	55	3,933,051	5	4,733	94.45	27	18.00
<b>Dismal Swamp Canal</b>										
Deep Creek	Main	10.6	1940	20	300	0	300	78.31	5	379.95
South Mills	Main	33.2	1941	23	0	0	0	80.60	6	283.18

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River/ Lock	Chamber	River Mile	Year Open	Average Processing Time <sup>1</sup>	Total Tonnage	Average Tow Size		Percent Chamber Available	Lock Closures	
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<b>Freshwater Bayou</b>										
Freshwater Bayou	Main	1.2	1968	26	4,482,515	38	8,379	100.00	0	0.00
<b>GIWW</b>										
Harvey	Main	0.0	1935	35	4,215,364	2	880	98.98	32	2.78
Inner Harbor Nvg Chnl	Main	5.6	1923	46	19,416,663	3	2,143	90.23	479	1.78
Bayou Boeuf	Main	93.3	1954	38	22,193,235	2	1,689	98.53	23	5.62
Leland Bowman	Main	162.7	1985	30	40,563,247	3	2,895	95.65	40	9.53
Calcasieu	Main	238.5	1950	36	39,525,354	3	2,948	96.07	59	5.83
<b>Giww Algiers Canal</b>										
Algiers	Main	0.0	1956	48	19,222,359	3	2,878	86.51	132	8.95
<b>Giww Port Allen-Morgan Cty Alt. Rte</b>										
Bayou Sorrel	Main	37.5	1952	55	23,157,835	3	3,742	95.03	68	6.40
Port Allen	Main	64.1	1961	81	24,167,141	3	3,436	98.02	59	2.93
<b>Giww Texas</b>										
Brazos East	Main	400.4	1943	0	21,131,151	2	1,938	99.98	1	1.50
Brazos West	Main	400.9	1943	0	21,184,202	2	1,981	100.00	0	0.00
Colorado River East	Main	441.1	1944	13	21,110,876	2	2,097	97.84	21	9.02
Colorado River West	Main	441.8	1944	3	20,783,851	2	2,168	97.32	26	9.03
<b>Green</b>										
1	Main	9.1	1956	18	4,353,350	3	3,049	96.00	4	87.67
2	Main	63.1	1956	22	1,491,500	3	2,302	100.00	0	0.00
<b>Hudson</b>										
Troy	Main	153.8	1916	23	13,819	1	494	58.56	6	604.97
<b>Illinois</b>										
Lagrange	Main	80.2	1939	64	35,597,851	10	11,435	97.73	47	4.23
Peoria	Main	157.7	1938	73	31,128,998	9	9,427	98.70	43	2.65
Lockport	Main	291.1	1933	82	16,039,564	6	5,443	98.36	32	4.48
Thomas J. O'Brien	Main	326.5	1960	22	7,371,509	3	2,913	99.65	17	1.82

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<b><i>Kanawha</i></b>										
Winfield	Main8	31.1	1997	56	19,521,262	9	6,711	99.01	50	1.73
Winfield	Main2	31.1	1937	0	0	0	0	100.00	0	0.00
Winfield	Main1	31.1	1937	0	0	0	0	100.00	0	0.00
Marmet	Main2	67.7	1934	161	7,801,139	6	3,807	98.19	60	2.65
Marmet	Main1	67.7	1934	172	6,928,584	6	3,739	95.06	47	9.20
London	Main2	82.8	1934	85	2,315,757	4	1,722	96.99	211	1.25
London	Main1	82.8	1933	119	4,184,898	5	3,864	97.44	216	1.03
<b><i>Kaskaskia</i></b>										
Kaskaskia	Main	0.8	1973	14	583,183	2	1,122	99.46	4	11.80
<b><i>Lake Washington Ship Canal</i></b>										
Hiram M. Chittenden	Main	1.3	1916	28	1,816,245	2	1,408	96.19	3	111.38
Hiram M. Chittenden	Aux 1	1.3	1916	13	1,931	2	149	96.88	1	273.00
<b><i>Mermentau</i></b>										
Catfish Point	Cntrl	25.0	1951	7	84,226	1	354	99.93	2	3.27

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<b>Mississippi</b>										
27	Main	185.5	1953	40	79,858,929	11	11,810	96.89	29	9.40
27	Aux 1	185.5	1953	30	3,519,785	4	3,520	91.82	31	23.10
Melvin Price	Main	200.8	1990	44	69,623,228	13	13,236	91.06	49	15.98
Melvin Price	Aux	200.8	1994	30	7,957,608	6	6,140	85.47	10	127.28
25	Main	241.4	1939	79	39,536,830	13	12,870	81.55	61	26.50
24	Main	273.4	1940	85	39,296,994	13	12,846	82.07	60	26.17
22	Main	301.2	1938	92	38,074,304	13	12,500	98.78	49	2.18
21	Main	324.9	1938	80	37,863,139	12	12,047	97.69	25	8.08
20	Main	343.2	1936	80	36,512,515	12	12,058	82.57	58	26.32
19	Main	364.2	1957	55	35,803,139	12	12,088	83.02	33	45.08
18	Main	410.5	1937	71	35,707,505	12	11,883	99.21	34	2.02
17	Main	437.1	1939	89	34,170,210	12	11,591	98.67	39	3.00
16	Main	457.2	1937	68	33,139,184	11	10,534	98.87	52	1.90
15	Main	482.9	1934	98	30,582,032	11	10,645	98.55	150	0.85
15	Aux 1	482.9	1934	20	627,728	1	890	99.91	19	0.43
14	Main	493.0	1939	78	30,839,734	11	9,803	97.78	85	2.30
14	Aux 1	493.0	1922	17	0	0	0	100.00	0	0.00
13	Main	523.0	1938	58	24,803,042	12	11,552	99.65	13	2.35
12	Main	556.0	1938	56	24,426,919	12	11,555	86.96	22	51.95
11	Main	583.0	1937	52	22,495,873	11	10,621	87.19	18	62.35
10	Main	615.0	1936	48	22,005,796	11	11,182	77.79	4	486.32
9	Main	647.0	1938	47	18,820,219	11	11,800	78.06	14	137.28
8	Main	679.0	1937	47	16,826,021	11	11,195	78.01	7	275.15
7	Main	702.0	1937	38	15,856,894	11	10,592	78.53	7	268.70
6	Main	714.0	1936	42	15,793,578	11	10,593	78.02	6	320.88
5A	Main	728.5	1936	33	12,760,903	10	10,266	77.56	6	327.68
5	Main	738.1	1935	39	12,770,886	10	10,274	74.76	4	552.83
4	Main	752.8	1935	35	12,340,409	10	10,033	73.85	5	458.12
3	Main	796.9	1938	30	11,549,156	10	9,616	74.13	5	453.30
2	Main	815.0	1930	36	11,539,256	9	9,490	73.86	6	381.63
1	Main	847.6	1930	20	2,071,780	2	1,734	69.07	5	541.97
Lower Saint Anthony Falls	Main	853.3	1959	24	2,066,980	2	1,733	69.05	5	542.27
Upper Saint Anthony Falls	Main	853.9	1963	20	2,064,130	2	1,727	69.04	5	542.40

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<b>Monongahela</b>										
2	Main	11.2	1905	57	20,725,032	7	6,032	99.92	1	6.73
2	Aux 1	11.2	1905	18	399,555	1	249	98.59	2	61.63
3	Main	23.8	1907	37	15,810,950	4	2,800	91.13	7	111.02
3	Aux 1	23.8	1907	25	2,180,600	2	1,458	98.93	35	2.68
4	Main	41.5	1932	45	12,824,375	5	2,933	99.15	6	12.42
4	Aux 1	41.5	1932	25	387,050	2	732	99.96	3	1.20
Maxwell	Main	61.2	1963	33	4,114,250	5	2,033	95.76	1	371.33
Maxwell	Aux 1	61.2	1963	37	9,265,800	5	4,520	99.86	3	4.12
Grays Landing	Main	82.0	1993	30	5,772,720	5	3,090	99.97	5	0.50
Pt. Marion	Main	90.8	1994	30	5,211,735	5	3,192	99.86	3	4.13
Morgantown	Main	102.0	1950	26	383,435	4	2,062	100.00	0	0.00
Hildebrand	Main	108.0	1959	24	26,235	3	1,093	100.00	0	0.00
Opekiska	Main	115.4	1964	23	27,910	2	1,469	100.00	0	0.00

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<b>Ohio</b>										
Emsworth	Main	6.2	1921	70	22,529,859	7	5,726	98.02	13	13.33
Emsworth	Aux 1	6.2	1921	24	1,021,740	1	866	99.48	2	22.93
Dashiels	Main	13.3	1929	68	24,019,078	8	6,157	99.72	21	1.18
Dashiels	Aux 1	13.3	1929	23	494,215	1	619	97.29	3	79.27
Montgomery	Main	31.7	1936	73	25,975,596	8	6,550	97.82	68	2.82
Montgomery	Aux 1	31.7	1936	26	568,956	2	791	84.04	11	127.13
New Cumberland	Main	54.4	1959	61	31,846,533	11	9,796	99.46	18	2.62
New Cumberland	Aux 1	54.4	1959	36	2,051,242	3	1,784	99.49	15	2.95
Pike Island	Main	84.2	1965	56	39,404,927	11	10,381	99.56	21	1.83
Pike Island	Aux 1	84.2	1965	36	1,866,363	2	1,637	99.78	5	3.82
Hannibal	Main	126.4	1973	52	46,249,423	12	12,104	99.96	2	1.75
Hannibal	Aux 1	126.4	1973	38	1,001,031	3	1,738	97.02	7	37.33
Willow Island	Main	161.7	1972	57	38,901,384	12	12,452	89.87	4	221.90
Willow Island	Aux	161.7	1972	54	5,413,991	6	6,166	99.70	7	3.77
Belleville	Main	203.9	1969	57	47,457,409	12	12,525	99.83	8	1.90
Belleville	Aux 1	203.9	1969	36	521,700	3	1,793	100.00	0	0.00
Racine	Main	237.5	1969	58	47,763,667	12	12,599	99.98	1	2.00
Racine	Aux 1	237.5	1969	34	878,229	3	1,807	100.00	0	0.00
Robert C. Byrd	Main	279.2	1993	58	55,188,585	12	12,302	99.25	33	1.98
Robert C. Byrd	Aux	279.2	1993	37	784,300	2	1,491	99.98	1	1.58
Greenup	Main	341.0	1959	51	63,998,888	12	11,420	89.24	153	6.17
Greenup	Aux 1	341.0	1959	49	6,040,145	6	5,541	93.62	80	6.98
Captain Anthony Meldahl	Main	436.2	1962	58	62,006,780	12	12,033	98.92	25	3.80
Captain Anthony Meldahl	Aux 1	436.2	1962	27	772,018	3	2,347	98.31	6	24.60
Markland	Main	531.5	1959	57	52,796,082	11	11,972	96.53	23	13.22
Markland	Aux 1	531.5	1959	35	2,053,048	4	3,733	99.90	4	2.20
Mcalpine	Main	606.8	1961	58	52,983,711	10	11,451	94.58	56	8.48
Mcalpine	Aux 1	606.8	1961	145	1,846,382	10	12,734	99.96	3	1.18
Cannelton	Main	720.7	1971	59	55,135,133	11	12,588	96.20	74	4.50
Cannelton	Aux	720.7	1971	45	1,516,795	6	5,767	66.04	12	247.88
Newburgh	Main	776.1	1975	53	63,546,772	12	12,303	99.89	6	1.58
Newburgh	Aux 1	776.1	1975	30	963,038	2	1,351	100.00	0	0.00
John T. Myers	Main	846.0	1975	52	70,689,316	12	12,790	99.48	60	0.77
John T. Myers	Aux 1	846.0	1975	21	704,872	2	1,500	99.87	16	0.70
Smithland	Main	918.5	1980	43	36,106,180	10	10,387	99.00	130	0.67
Smithland	Aux 1	918.5	1980	43	46,005,193	11	11,912	99.56	16	2.40
52	Main	938.9	1969	35	87,088,317	11	11,533	98.62	48	2.52
52	Aux 1	938.9	1928	56	8,034,188	4	3,881	98.19	22	7.20
* 53	Main	962.6	1980	19	84,347,119	11	11,705	99.29	34	1.83
* 53	Aux	962.6	1929	46	3,421,135	3	3,719	99.84	10	1.37

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<b>Okeechobee</b>										
St. Lucie	Main	15.3	1941	22	54,561	1	134	64.39	368	8.48
Port Mayaca	Main	38.5	1977	11	20,922	1	176	77.36	240	8.27
Ortona	Main	93.6	1937	21	19,920	1	150	64.31	384	8.15
<b>Old River</b>										
Old River	Main	304.0	1963	35	8,348,430	3	2,882	99.92	2	3.62
<b>Ouachita</b>										
Columbia	Main	117.2	1972	20	1,064,862	2	2,223	100.00	0	0.00
Felsenthal	Main	226.8	1984	11	225,329	1	1,587	100.00	0	0.00
H. K. Thatcher	Main	281.7	1984	11	214,300	1	1,520	100.00	0	0.00
<b>Red</b>										
Lindy Claiborne Boggs	Main	44.0	1984	23	2,119,661	4	2,423	100.00	0	0.00
John H. Overton	Main	74.0	1987	31	2,005,959	4	2,452	99.98	2	0.95
3	Main	116.4	1992	22	1,168,038	3	2,364	100.00	0	0.00
4	Main	169.0	1994	27	753,684	3	2,054	100.00	0	0.00
Joe D. Waggoner	Main	200.0	1994	17	643,066	3	1,991	100.00	0	0.00
<b>Schooner Bayou</b>										
Schooner Bayou	Cntrl	3.4	1950	4	51,265	4	276	86.24	6	200.85
<b>Snake</b>										
Ice Harbor	Main	9.7	1962	33	4,067,370	2	3,345	95.75	20	18.62
Lower Monumental	Main	41.6	1969	37	3,495,982	3	3,800	96.13	10	33.88
Little Goose	Main	70.3	1970	25	3,127,538	3	3,612	95.39	3	134.60
Lower Granite	Main	107.5	1975	28	1,987,253	2	2,843	93.94	2	265.48
<b>St Marys</b>										
Davis	Main	47.0	1914	41	0	1	0	54.16	7	573.68
Macarthur	Main	47.0	1943	40	16,043,560	5	42,783	68.64	15	183.17
New Poe	Main	47.0	1963	54	66,372,865	11	214,106	81.13	18	91.82
<b>Tennessee</b>										
Ft. Loudon	Main	602.3	1943	63	636,791	3	2,367	95.58	34	11.38
<b>Tenn-Tombigbee</b>										
Howell Heflin	Main	266.1	1978	39	8,274,930	5	3,927	99.86	4	2.98
Jamie Whitten	Main	411.9	1985	41	5,775,215	6	4,170	99.87	8	1.42

\* LPMS data not collected at this site

1-Average time from start of lockage to end of lockage; expressed in MINUTES

2-Average time lock is closed (unavailable) expressed in HOURS



## Lock Characteristics Operational Statistics - 1999

River/ Lock	Chamber	River Mile	Year Open	Average Processing Time <sup>1</sup>	Total Tonnage	Average Tow Size		Percent Chamber Available	Lock Closures	
						Barges / Tow	Tons / Tow		Total Number	Avg Time <sup>2</sup>
<b><i>Tombigbee</i></b>										
Demopolis	Main	213.2	1954	46	15,472,123	5	4,670	100.00	0	0.00
<b><i>Verdigris</i></b>										
Chouteau	Main	401.4	1970	42	3,508,854	5	5,316	100.00	0	0.00
Newt Graham Lock	Main	421.6	1970	44	3,350,217	4	4,956	100.00	0	0.00
<b><i>West Pearl</i></b>										
1	Main	29.7	1949	0	0	0	0	100.00	0	0.00
2	Main	40.8	1950	0	0	0	0	100.00	0	0.00
3	Main	43.9	1950	0	0	0	0	100.00	0	0.00

\* LPMS data not collected at this site

1-Average time from start of lockage to end of lockage; expressed in MINUTES

2-Average time lock is closed (unavailable expressed in HOURS