

## Appendix

### CONGRESSIONAL DOCUMENTS ON THE MISSISSIPPI RIVER

Document No.	Congress	Session	Project
H.Ex.D. 58	39	2	Survey of Upper Mississippi River and Tributaries
H.D. 16	39	2	Survey of River
H.Ex.D. 247	40	2	Survey of Upper Mississippi River and Tributaries
H.Ex.D. 118	41	2	Improvement of Navigation of Mississippi River at or near St. Anthony Falls
H.Ex.D. 285	41	2	Mississippi River above Falls of St. Anthony
S.Ex.D. 59	42	2	Preservation of Falls of St. Anthony
S.Ex.D. 19	43, Part 5	2	Examination of Sites for Reservoirs at Headwaters of Mississippi River
H.Ex.D. 145	43	2	Examination of Mississippi River from St. Cloud to St. Anthony Falls
H.Ex.D. 49	43	1	Preservation of Falls of St. Anthony
H.D. 75	43	2	Navigation Canal between Lake Superior and Mississippi River
H.Ex.D. 54	45	3	Preliminary Report on Examination of the Sources of the Mississippi
S.Ex.D. 37	46	2	Construction of Sluiceway at and Preservation of Falls of St. Anthony
H.Ex.D. 39	46	2	Survey of Mississippi River for Headwaters Reservoirs
S.Ex.D. 157	46	2	Mississippi River, St. Paul to Falls of St. Anthony
S.Ex.D. 48	46	3	Headwaters Reservoirs
S.Ex.D. 51	46	3	At Sauk Rapids, Minnesota
S.Ex.D. 124	47	1	Harbors of Refuge at Stockholm, Wis., and Lake City, Minn.

H.Ex.D. 136	47	1	Navigation through bridges on Upper Mississippi River
H.D. 330	54	1	Lake Superior to Mississippi River Canal
H.Ex.D. 158	50	1	Mississippi River between St. Paul and Falls of St. Anthony
H.Ex.D. 52	52	2	Preliminary Examination of Lake Pepin for Additional Harbors of Refuge
S.Ex.D. 109	53	2	Mississippi River, St. Paul to Minneapolis
H.D. 305	54	2	Headwaters Reservoir on Rum River
H.Ex.D. 78	53	3	Preliminary Examination of La Crosse Harbor, Wis.
H.D. 69	56	1	Lake Superior-Mississippi River Canal
H.D. 112	56	1	Harbor of Refuge on Lake Pepin at Pepin, Wis.
H.D. 113	56	2	Survey between Sandy Lake and Brainerd, Minn.
H.D. 164	57	1	Locks and Dams, Mississippi River between St. Paul and Minneapolis
H. Comm.D. 42	61	2	Overflow in Aitkin County
H.D. 663	59	2	Survey between Missouri River and St. Paul
H.D. 182	58	2	Inner Harbor, Lake City, Minn.
H.D. 663	59	2	Fort Snelling Bridge
H.D. 363	61	2	Canal between Leech and Winnibigoshish Reservoirs
H.D. 607	61	2	Mississippi River between Brainerd and Grand Rapids, Minn.
H.D. 341	59	2	Mississippi River, Six-foot Channel, St. Paul to Missouri River
H.D. 42	61	2	Mississippi River in Aitkin County
H.D. 304	61	2	Canal connecting Lake Superior and Mississippi River
H.D. 282	62	2	Mississippi River near Pine Knoll and Aitkin, Minn.
H.D. 741	61	2	Examination of Mississippi River between St. Paul and Minneapolis

H.D. 1223	62	3	Survey between Winnibigoshish and Pokegama Reservoirs
H.D. 6	63	1	Mississippi River at Dresbach and Dakota, Minn.
H.D. 243	63	1	Preliminary Examination of Headwaters Reservoirs
H.D. 1512	63	3	Examination and Survey of Minneapolis Harbor
H.D. 413	64	1	Gull Lake Reservoir
H.D. 488	64	1	Channel of Mississippi River and Harbor at St. Paul
H.D. 1008	64	1	Lake Superior to Mississippi Canal
H.D. 413	64	1	
H.D. 78	65	3	Mississippi River near Deer River, Minn.
H.D. 71	66	1	Mississippi River, St. Paul Harbor
H.D. 467	69	1	Mississippi River between Brainerd and Grand Rapids, Minnesota
H.D. 583	69	2	Examination and survey from Minneapolis to Lake Pepin
H.Comm.D. 8	70	1	Minneapolis to Lake Pepin (Hastings Lock)
H.Comm.D. 24	70	2	Minneapolis Harbor
H.D. 290	71	2	Between Minneapolis and Mouth of Missouri River
H.D. 7	72	1	Survey between Missouri River and Minneapolis
H.D. 151	72	1	Survey of Lake City Harbor
H.D. 137	72	2	Survey between Missouri River and Minneapolis (Nine-foot Channel)
H.D. 66	73	1	Survey above Coon Rapids Dam
H.D. 259	74	1	Report on Headwaters
H.Comm.D. 44	74	1	Channel and Harbor at St. Paul
H.Comm.D. 23	75	1	Harbor at La Crosse, Black River
H.Comm.D. 34	75	1	Between Minneapolis and Missouri River
H.D. 103	76	1	Red Wing Harbor
H.D. 547	76	3	St. Paul Flood Control Project

H.D. 669	76	3	Coon Rapids to mouth of Ohio River
H.D. 137	76	1	Cochrane, Wisconsin Drainage Ditch
H.D. 54	77	1	Bridge Clearances, Minneapolis Upper Harbor
H.D. 263	77	1	Commercial Harbor, Winona, Minn.
H.D. 192	78	2	Harbor, Lansing, Iowa
H.D. 449	78	2	Local Cooperation, Minneapolis Upper Harbor
S.D. 192	79	2	Lansing, Iowa, Harbor
H.D. 514	79	2	Wabasha Harbor
H.D. 511	79	2	Small-boat Harbors at Bay City, Lake City, Pepin and Maiden Rock
H.D. 599	79	2	Harbor, Hastings, Minn.
H.D. 599	80	2	Survey between Sandy Lake and Brainerd
H.D. 66	81	1	Alma, Wis., boat harbor
H.D. 71	81	1	Prairie du Chien, Wis., boat harbor
H.D. 324	84	2	Levee at Winona, Minnesota
H.D. 33	85	1	Minneapolis Upper Harbor
H.D. 223	85	1	Survey at St. Paul (levees and flood protection)
H.D. 32	86	1	Red Wing Harbor
H.D. 513	87	2	Harbors between Minneapolis and Missouri River
H.D. 286	87	2	Mississippi River at Guttenberg, Iowa
H.D. 13	89	1	Floods of 1965
H.D. 152	92	1	Mississippi River at Winona, Minn.

## ROSTER OF DISTRICT ENGINEERS, ST. PAUL DISTRICT, CORPS OF ENGINEERS

	Tenure in Office	
	From	To
1. Major Gouverneur Kemble Warren	31 July 1866	31 May 1870
2. Colonel John M. Macomb	1 June 1870	25 April 1873
3. Major Francis M. Farquhar	26 April 1873	15 July 1878
4. Major Charles J. Allen	16 July 1878	15 November 1889
5. Major William A. Jones	16 November 1889	11 June 1895
6. Major General Harry F. Hodges	12 June 1895	22 October 1895
7. Lt. Colonel William A. Jones	23 October 1895	24 September 1897
8. Major Frederic V. Abbot	25 September 1897	10 August 1900
9. Major Daniel W. Lockwood	11 August 1900	27 May 1901
10. Captain Hiran M. Chittenden	28 May 1901	30 September 1901
11. Lt. Colonel Richard L. Hoxie	1 October 1901	14 November 1903
12. Lt. Colonel George McC. Derby	15 November 1903	17 November 1906
13. Colonel James B. Quinn	18 November 1906	7 June 1907
14. Captain Edward H. Schulz	8 June 1907	4 September 1907
15. Lt. Colonel Francis R. Shunk	5 September 1907	31 January 1912
16. 1st Lieutenant John N. Hodges	1 February 1912	12 March 1912
17. Lt. Colonel Francis R. Shunk	13 March 1912	5 August 1912
18. Lt. Colonel Charles L. Potter	6 August 1912	24 July 1915
19. Major Ernest D. Peek	25 July 1915	20 October 1916
20. Lt. Colonel Edward H. Schulz	21 October 1916	21 August 1917
21. Colonel Daniel W. Lockwood	22 August 1917	19 November 1917
22. Mr. George W. Freeman	20 November 1917	17 November 1919
23. Major Henry C. Jewett	18 November 1919	31 July 1920
24. Lt. Colonel Francis A. Pope	1 August 1920	28 February 1921
25. Major Edwin H. Marks	1 March 1921	31 January 1923
26. Major Charles F. Williams	1 February 1923	31 December 1923
27. Major Edwin H. Marks	1 January 1924	30 April 1924
28. Major Charles F. Williams	1 May 1924	19 July 1926
29. Major Robert C. Williams	20 July 1926	8 August 1929
30. Colonel Wildurr Willing	9 August 1929	16 June 1933
31. Major Dwight F. Johns	17 June 1933	3 July 1937
32. Captain Frank K. Albrecht, Acting	4 July 1937	23 July 1937
33. Lt. Colonel Phillip B. Fleming	24 July 1937	17 October 1939
34. Colonel John W. Moreland	18 October 1939	5 January 1943

35.	Lt. Colonel Lynn C. Barnes	6 January 1943	19 October 1945
36.	Major Henry J. Manger	20 October 1945	6 May 1946
37.	Colonel Walter K. Wilson, Jr.	7 May 1946	20 June 1949
38.	Major John D. Keefe, Acting	21 June 1949	14 July 1949
39.	Colonel Leverett G. Yoder	15 July 1949	11 June 1952
40.	Colonel Aldo H. Bagnulo	12 June 1952	26 August 1954
41.	Colonel Otto J. Rhode	27 August 1954	9 July 1957
42.	Colonel Desloge Brown	10 July 1957	17 July 1960
43.	Colonel William B. Strandberg	18 July 1960	31 July 1963
44.	Lt. Colonel Leslie B. Harding	1 August 1963	20 May 1966
45.	Colonel Richard J. Hesse	8 July 1966	3 August 1969
46.	Colonel Charles I. McGinnis	4 August 1969	22 June 1971
47.	Colonel Rodney E. Cox	9 July 1971	17 June 1974
48.	Colonel Max W. Noah	15 August 1974	9 January 1976
49.	Colonel Forrest T. Gay, III	10 January 1976	6 June 1979
50.	Colonel William W. Badger	6 June 1979	

DISTRICT ENGINEERS, CORPS OF ENGINEERS DISTRICT  
DULUTH, MINNESOTA  
1886-1955

	<u>From</u>	<u>To</u>
Major James B. Quinn	21 September 1886	31 December 1890
Lieutenant Graham D. Fitch	31 December 1890	12 February 1891
Major Walter L. Fish	12 February 1891	10 October 1892
Major Clinton B. Sears	11 October 1892	20 February 1901
Major Daniel W. Lockwood	20 February 1901	11 March 1901
Captain David D. Gaillard	11 March 1901	1 May 1903
Major Lansing H. Beach	1 May 1903	11 July 1903
Major Charles L. Potter	11 July 1903	3 August 1906
Major Graham D. Fitch	3 August 1906	23 March 1911
Major Francis R. Shunk	24 March 1911	3 August 1912
Lieutenant John N. Hodges	1 February 1912	12 March 1912
Major Ernest D. Peek	3 August 1912	24 October 1916
Lt. Colonel Edward H. Schulz	24 October 1916	30 April 1917
Colonel David W. Lockwood	30 April 1917	22 November 1917
Mr. Clarence Coleman	22 November 1917	23 October 1819
Mr. Gordon A. Taylor	23 October 1918	9 December 1918
Colonel Francis A. Pope	9 December 1918	28 February 1921
Major Edwin H. Marks	1 March 1921	30 June 1923
Major Charles F. Williams	1 July 1923	15 September 1925
Major Robert W. Crawford	16 September 1925	18 July 1928
Major Peter C. Bullard	19 July 1928	21 May 1932
Lt. Colonel Albert K. B. Lyman	22 May 1932	13 August 1935
Major A. B. Jones	14 August 1935	31 March 1938
Lt. Colonel Xenophon H. Price	1 April 1938	21 April 1941
Major Theodore M. Osborne	10 May 1941	5 July 1941
Lt. Colonel Shenk H. Griffin	6 July 1941	1 September 1942
Major Lynn S. Kreger	2 September 1942	1 April 1944
Colonel Shenk H. Griffin	2 April 1944	10 November 1945
Colonel Kenneth M. Moore	11 November 1945	5 August 1946
Colonel Heston R. Cole	6 August 1946	15 October 1947
Colonel Frank L. Beadle	16 October 1947	31 May 1948
Colonel David A. Morris	1 June 1948	18 July 1951
Colonel George Kumpe	19 July 1951	10 July 1954
Colonel Edward E. Murphy	11 July 1954	1 May 1955

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## Bibliographical Note

Basic information for the history of the St. Paul District, United States Army Corps of Engineers, for the years from 1867 to the present, is found in the *Annual Report* of the Chief of Engineers, published both in the congressional series set and as individual volumes. The reports are cited here in the latter form as *Annual Report*, by year.

Each year before 1915, the district engineer submitted his report to the Office of the Chief of Engineers (OCE) in a narrative form which varied with author, project or activity described. Materials in support of the report, such as maps, economic data, tables, pertinent correspondence and photographs, were printed in an appendix to each *Annual Report*.

In 1915 the Office of the Chief of Engineers requested standardized reporting on each project. Identical sub-topics (location, original condition, previous project, present project, operations and operations prior to fiscal year, operations and results during fiscal year, condition at the end of fiscal year, local co-operation, effect of improvement, proposed operations, commercial statistics) were used to describe each district project. Supporting materials were not published. With some modification these categories have continued in reports to the present. While convenient for reference purposes, the reports after 1915 tend to be monotonously repetitive and lacking in the rich detail and personal perspective of earlier accounts. Since 1954 the reports have omitted the names of engineers responsible for local districts. In fact, full-page pictures of district engineers are now printed in the annual reports without identification!

Non-current records of the Office of the Chief of Engineers in the custody of the National Archives in Record Group 77 (hereafter cited as NARG77) were con-

sulted in the National Archives Building and in the Washington National Records Center, Suitland, Maryland. Records for the offices of the St. Paul District (SPD) and the St. Louis District (SLD) were examined in the Federal Records Center, Kansas City, Missouri.

Among St. Paul District records *not* in NARG77 are district newsletters, clipping files, current project files and historical sketches. Unless otherwise indicated in citations to these materials, they were consulted in the St. Paul office. St. Paul District newsletters include: "Old Man River" (1930); "Twin City Ordnance News" (1940s); and "Cross Currents" (current). Newspaper clipping files in the St. Paul office are incomplete. Several scrapbooks of clippings dated before 1900 were sent to Washington and are in NARG77. Unfortunately it has been more often the practice to destroy these files after the completion of projects, or after five years. No clipping files were found for the Duluth or old Milwaukee offices. In addition to newspaper clipping files, the author consulted Minnesota newspapers in the Minnesota Historical Society and files of the University of Wisconsin library in Milwaukee.

Historical sketches written and mimeographed by district staff members include Franklin J. Ryder's centennial project, "A Century of Service," his "The Saga of an Inland Sea, a Story of Lake Superior and the Corps of Engineers' Operations on the Lake" (1968), fourteen histories of harbors on Lake Superior (1939-1940) and the construction histories compiled during the building of the locks and dams on the nine-foot channel in the Mississippi River.

Interviews with dam tenders Ole Henderson and Edward Sunde in August, 1976 and interviews with retired district engineers Colonel John W. Moreland in October, 1977 provided a personal perspective on district events which is rarely found in official documents. Interview notes are in the possession of the author.

Periodicals of particular value for this study were *Minnesota History*, *Wisconsin Magazine of History*, the American Society for Civil Engineers (cited as ASCE) *Transactions*, and *The Military Engineer*. Contemporary reports such as the *Upper Mississippi River Comprehensive Basin Study* (Chicago: 1970) in nine volumes, the *Souris-Red-Rainy River Basin Study* (St. Paul: 1972) in

eight volumes and the *Water Resource Development* booklets published periodically for each state in the North Central Division.

Other district histories have been published on Corps work in the Mississippi Valley. They include Albert E. Cowdrey, *The Delta Engineers A History of the United States Army Corps of Engineers in the New Orleans District* (New Orleans: 1971); Floyd M. Clay, *A Century on the Mississippi A History of the Memphis District U. S. Corps of Engineers 1876-1976* (Memphis: 1976); Roald Tweet, *A History of the Rock Island District Corps of Engineers* (Rock Island: 1975); and Frederick J. Dobney, *River Engineers on the Middle Mississippi A History of the St. Louis District, U. S. Army Corps of Engineers* (St. Louis: 1978).

Basic resources for local history can be found in Michael Brook, *Reference Guide to Minnesota History A Subject Bibliography of Books, Pamphlets and Articles in English* (St. Paul: 1974). Theodore Blegen's *Minnesota: A History of the State* (Minneapolis: 1963) was consulted often. In spite of the fact that the Corps of Engineers has been active in the economic development of North Dakota, South Dakota, Minnesota, Wisconsin and Michigan, it is surprising how little information about their activities appear in histories of these regions. Lucile Kane's *The Waterfall That Built a City* (St. Paul: 1966) is the only work that has analyzed the role of the Corps in any depth. It is one of the best historical studies of the Twin Cities area. Major histories of the urban centers in the district such as Minneapolis, St. Paul, Duluth-Superior or Fargo-Moorhead have yet to be written. Histories of the major river systems of the district, such as the Red River of the North (Vera Kelsey), the Minnesota (Evan Jones), the Wisconsin (August Derleth) and the St. Croix (James Taylor Dunn) tend to be more romantic than scholarly. Even two of the major sources for the Mississippi, William J. Petersen's *Steamboating on the Upper Mississippi* (Iowa City: 1968) and Mildred Hartsough's *From Canoe to Steel Barge on the Upper Mississippi* (Minneapolis: 1934) barely mention the Corps of Engineers. Thomas F. Waters, *The Streams and Rivers of Minnesota* (Minneapolis: 1977) is a worthwhile study of water systems in the area. Waters' book, like most of the secondary works consulted in this study, provides very little information on the 110 years of Corps activity in the Upper Mississippi River watershed.

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