

DEPARTMENT OF THE ARMY U.S. ARMY CORPS OF ENGINEERS, LOUISVILLE DISTRICT 600 DR. MARTIN LUTHER KING JR PL LOUISVILLE, KY 40202

February 11, 2022

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Preservation Services

HPA	REVIEW

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H/A		
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File		_

Planning, Programs and Project Management Division

Ms. Carol Wallace Illinois State Historic Preservation Office 1 Old State Capital Plaza Springfield, Illinois 62701

Dear Ms. Wallace:

Provided is a compact disk with final copies of the electronic images documenting the construction, operation, and demolition of Locks and Dam 52 (L&D 52) and a photo log (Stipulation I A. 2. b. and d.). These documents serve as part of the mitigation measures agreed to in the executed Memorandum of Agreement (MOA) entitled Memorandum of Agreement Among the U.S. Army Corps of Engineers, Louisville District; The Illinois State Historic Preservation Office; The Kentucky State Historic Preservation Office; The Osage Nation; and The Advisory Council on Historic Preservation Regarding the Olmsted Locks and Dam Project McCracken and Ballard Counties, Kentucky and Massac and Pulaski Counties, Illinois. The MOA was executed on July 8, 2019, and fulfills the requirements set forth by Section 106 of the National Historic Preservation Act and its regulatory guidance in 36 CFR part 800.

If you have questions about the final documents or the Olmsted Locks and Dam Project MOA, please contact Mr. Jared Barrett who can be reached at (502) 315-6480 or e-mail at jared.l.barrett@usace.army.mil.

Sincerely,

Nathan A. Moulder Chief, Planning Section

Enclosure

	Photographs from Construction to Demolition of Locks and Dam 52				
Photo			Date Photo	Direction of	
Number	Photo Description	Who Took Photo?	Taken	Photo	
1	Bear traps under construction	USACE	9/8/1928	South	
2	Chanoine weir under construction	USACE	9/1/1927	North	
3	Piling for bear traps under construction	USACE	9/1/1927	Northeast	
4	Piling for lock walls under construction	USACE	No Date	West	
5	First pass cofferdam under construction	USACE	6/28/1926	Southwest	
6	Fixed dam under construction	USACE	9/20/1928	North	
7	Construction of dam and flooded boat	USACE	8/2/1926	Unknown	
8	Land wall of lock under construction	USACE	No Date	Northwest	
9	Construction of lock wall(?)	USACE	No Date	Southeast	
10	Construction of lock	USACE	8/2/1926	Southeast	
11	Construction of lock	USACE	8/15/1926	Southeast	
12	Construction of dam	USACE	8/16/1926	Southwest	
13	Construction of dam	USACE	8/3/1927	Southeast	
14	Construction of dam (background) with lock chamber in foreground	USACE	8/3/1927	Southwest	
15	Construction of dam	USACE	8/4/1927	Southwest	
16	Construction boat at dam	USACE		Southeast	
17	Construction of dam (with Lockkeeper's Cottages in background)	USACE	8/24/1927	North	
18	Construction of dam	USACE	8/24/1927	Southeast	
19	Construction of dam flooded	USACE	8/24/1927	Southwest	
20	Construction of dam (background) with lock chamber in foreground	USACE	8/24/1927	Southwest	
21	Power House under construction	USACE	8/24/1927	Northeast	
22	Dam under construction	USACE	8/10/1928	Southwest	
23	Dam under construction	USACE	8/10/1928	South	
24	Dam under construction (with Lockkeeper's Cottages in background)	USACE	8/10/1928	Northeast	
25	Dam under construction (with Power House and Lockkeeper's Cottages in background)	USACE	8/10/1928	Northeast	
26	Lock chamber under construction	USACE	6/25/1925		
27	Dam under construction	USACE		Southwest	
28	Lock wall under construction	USACE	7/15/1926	Northeast	
29	Dam under construction (with Lockkeeper's Cottages in background)	USACE	7/15/1926	North	
30	Dam under construction	USACE		Southwest	
31	Dam under construction with workers posing	USACE		Southwest	
32	Dam under construction	USACE	7/15/1926		
33	Dam under construction (with Lockkeeper's Cottages in background)	USACE	7/28/1926		
34	Temporary construction office at Lock and Dam 52	USACE	6/26/1926		
35	Clubhouse built for construction crews in support of Lock and Dam 52	USACE	Jun-25		
36	Temporary construction housing at Lock and Dam 52	USACE	Jun-25		

	Photographs from Construction to Demolition of Locks and Dam 52				
Photo			Date Photo	Direction of	
Number	Photo Description	Who Took Photo?	Taken	Photo	
37	Lock chamber under construction	USACE		Southeast	
38	Pilings for lock walls under construction	USACE		Southeast	
39	Pilings for lock walls under construction	USACE	Jun-25	Northwest	
40	Lock wall under construction (with temporary worker housing in background)	USACE		Northeast	
41	Lock wall and dam under construction	USACE		Southwest	
42	Lock wall and dam under construction	USACE	6/1/1926		
43	Lock chamber under construction	USACE		Southeast	
44	Lock chamber under construction	USACE	Jun-26	Southeast	
45	Lock chamber and dam under construction	USACE	Jun-26	Southeast	
46	Temporary power house during construction	USACE	Jun-26	Northeast	
47	Lock chamber and coffer dam for dam under construction	USACE	6/28/1926	South	
48	Pilings for dam under construction	USACE	6/28/1926	Southwest	
49	Lockkeeper's Cottages and Lockkeeper's Housing	USACE	Jun-26	Northwest	
50	Lock chamber wall under construction	USACE	6/28/1926	Northwest	
	Dam under construction (with Lockkeeper's Cottages, temporary power house and workers				
51	housing in background)	USACE	6/28/1926	Northeast	
	Overview of dam and Lockkeeper's Cottages and Housing, Power House, and temporary power				
52	house and housing in background	USACE	11/12/1927	Northeast	
	Dam construction with Lockkeeper's Cottages and Housing, Power House, and temporary				
53	power house and worker housing in background	USACE	11/12/1927	Northeast	
54	Fixed dam under construction along south bank of river	USACE	11/19/1927	South	
	Dam under construction (with Lockkeeper's Cottages and Housing and Power House in				
55	background	USACE	11/19/1927	Northwest	
	Dam under construction (with Lockkeeper's Cottages and Housing and Power House in				
56	background	USACE	11/19/1927	North	
57	Lockkeeper's Cottages and Housing under construction	USACE	Sep-25	Northwest	
58	Lockkeeper's Cottages and Housing under construction	USACE	Sep-25	East	
59	Dam under construction with south bank of river in background	USACE	9/1/1928	Southwest	
60	Bear traps under construction	USACE	9/1/1928	Southwest	
61	Bear traps under construction	USACE	9/1/1928	South	
62	Dam under construction	USACE	9/1/1928	N/A	
63	Dam under construction	USACE	9/1/1928	N/A	
64	Dam under construction	USACE		Northeast	
65	Bear traps under construction	USACE	9/8/1928		
66	Dam under construction	USACE	9/20/1928		
67	Bear traps under construction	USACE	9/20/1928		

	Photographs from Construction to Demolition of Locks and Dam 52				
Photo		1	Date Photo	Direction o	
Number	Photo Description	Who Took Photo?	Taken	Photo	
68	Overview of L&D 52	USACE	Nov-30	East	
69	Overview of L&D 52	USACE	Nov-30	East	
70	Maneuver Boat accident along dam	USACE	Aug-41	Southwest	
71	Maneuver Boat accident along dam	USACE	Aug-41	North	
72	Maneuver Boat No. 559 accident through Be bout weir along dam	USACE	8/19/1941	Southwest	
73	Maneuver Boat No. 559 accident through Be bout weir along dam	USACE	8/19/1941	North	
74	Maneuver Boat No. 559 accident through Be bout weir along dam	USACE	8/19/1941	Northeast	
75	Close up view of damage along lock chamber wall	USACE	Jun-42	N/A	
76	Close up view of damage along lock chamber wall	USACE	Jun-42	N/A	
77	Damaged miter gate at L&D 52	USACE	Aug-45	N/A	
78	Damaged miter gates at L&D 53	USACE	Aug-45	N/A	
79	Damaged miter gate at L&D 52	USACE	Aug-45		
80	Damaged miter gates at L&D 53	USACE	Aug-45	N/A	
81	Overview of lock chamber, dam, and bear traps	USACE	Aug-46	Southwest	
82	Wickets along dam	USACE	Aug-46	N/A	
83	Lock chamber wall	USACE		Northwest	
84	Lock chamber wall	USACE	Oct-46	Southeast	
85	Wickets along shore with lock chamber in background	USACE	Oct-46	Southwest	
86	Damage to lock chamber wall	USACE	Oct-46	Northwest	
87	Damage to lock chamber wall	USACE	Oct-46	Southwest	
88	Damage to lock chamber wall	USACE	Oct-46	Northeast	
89	Lock land wall and Operations Building	USACE	8/14/1946	Northeast	
90	Lock river wall showing leakage in lock wall	USACE	8/14/1946	Southeast	
91	Replacement miter gate	USACE	Sep-45	N/A	
92	Replacement miter gates	USACE	Sep-45	N/A	
93	Replacement miter gates	USACE	Sep-45		
94	Lidgerwood tow haulage unit at upstream stream of road back of land wall at center of lock	USACE	6/29/1949	Southwest	
95	Sheave for tow haulage unit line at land wall at center of lock	USACE	6/29/1949	Southwest	
96	Damage to lock river wall	USACE	Aug-49	Northwest	
97	Guide wall for lock	USACE	May-49	East	
98	Lock wall	USACE		Northeast	
99	Lock wall and miter gates	USACE		Northwest	
100	Lock wall, miter gates, and maneuver boat	USACE		Southeast	
101	Land side lock wall	USACE		Northwest	
102	River side lock wall	USACE	•	Southwest	
103	River side lock wall and maneuver boat	USACE	•	Southeast	

Photographs from Construction to Demolition of Locks and Dam 52 Photo Date Photo				
Number	Photo Description	Who Took Photo?	Taken	Direction of Photo
104	Guide wall for lock	USACE	May-49	Northwest
105	Guide wall for lock	USACE	May-49	Southeast
106	Lock chamber wall and miter gates	USACE	May-49	Northwest
107	View from lock chamber back towards Power House	USACE	May-49	Northeast
	Repairs to bear traps, looking upstream and landward from bear trap pier No. 2, showing			
108	condition of trap No. 2 prior to repairs	USACE	Sep-51	South
109	Replacement miter gates	USACE	May-51	N/A
110	Replacement miter gates	USACE	May-51	N/A
111	Replacement miter gates	USACE	May-51	N/A
112	Replacement miter gates, up close	USACE	May-51	N/A
113	Replacement miter gates, up close	USACE	May-51	N/A
114	Damaged miter gates	USACE	Nov-50	
115	Damaged miter gates	USACE	Nov-50	N/A
116	Damaged miter gates	USACE	Nov-50	N/A
117	Damaged miter gates	USACE	Nov-50	N/A
118	Damaged miter gates	USACE	Nov-50	N/A
119	Piece pulled during bear trip repair	USACE	Oct-51	N/A
120	Pieces pulled during bear trap repair	USACE	Oct-51	N/A
121	View under bear traps during repairs	USACE	Oct-51	N/A
122	View of bear traps during repairs	USACE	Oct-51	Northeast
123	View of bear traps during repairs	USACE	Oct-51	Northeast
124	View of bear traps during repairs	USACE	Oct-51	Southwest
125	View of bear traps during repairs	USACE	Oct-51	Northeast
126	View of bear traps during repairs	USACE	Oct-51	Southwest
127	View inside floating machine shop use to repair bear traps	USACE	Sep-51	N/A
128	View of bear traps during repairs with floating machine shop in background	USACE	Sep-51	Northeast
129	Bear traps under repairs	USACE	Sep-51	Northeast
130	Bear traps under repairs	USACE	Sep-51	N/A
131	Bear traps under repairs	USACE	Sep-51	
132	Bear traps under repairs	USACE	Sep-51	North
133	Bear traps under repairs	USACE	Sep-51	South
134	View under bear traps during repairs	USACE	Sep-51	Northeast
135	Workers repairing bear traps	USACE	Sep-51	East
136	Overview of Dam 52 Road	USACE	Sep-56	Northwest

	Photographs from Construction to Demolition of Locks and Dam 52				
Photo			Date Photo	Direction of	
Number	Photo Description	Who Took Photo?	Taken	Photo	
	Downstream face of Lower Land Leaf of L&D 52 Miter Gate damaged by M/V INCA on July 4,				
	1961, in foreground. Downstream face of Upper Land Leaf of L&D 49 Miter Gate damaged by				
	M/V CODRINGTON, December 24, 1960, in background. Taken at Louisville Repair Station -				
137	Operations Division	USACE	7/25/1961	N/A	
	Downstream face of Lower Land Leaf of L&D 52 Miter Gate damaged by M/V INCA July 4, 1961.				
138	Taken at Louisville Repair Station - Operations Division	USACE	7/25/1961	N/A	
	Upstream face of lower Land Leaf of L&D 52 Miter Gate damaged by M/V INCA on July 4, 1961,				
	in foreground. Upstream face of Upper Land Leafe of L&D 49 Miter Gate, damaged by M/V				
	CODRINGTON on December 24, 1960, in background. Photo taken at Louisville Repair Station -				
139	Operations Division	USACE	7/27/1961	N/A	
	Downstream face of Lower Land Leaf of L&D 52 Miter Gate damaged by M/V INCA on July 4,				
140	1961. Photo taken at Louisville Repair Station - Operations Division	USACE	7/27/1961	N/A	
141	Bear traps under repairs	USACE	Sep-51	South	
142	Repairs along the dam	USACE	9/27/2007	Northeast	
143	Repairs along the dam	USACE	9/27/2007	Northeast	
144	Single wood wicket	USACE	N/A	Southeast	
145	View from lock chamber looking over dam	USACE	8/11/2009	Southwest	
146	View from lock chamber looking downstream of dam	USACE	8/11/2009	Southwest	
147	Demonstration of how wickets work	USACE	N/A	N/A	
148	Demonstration of how wickets work	USACE	N/A	N/A	
149	In progress view of maneuver boat lifting wickets	USACE	8/11/2009	South	
150	View of dam abutment on Kentucky side of river	USACE	8/11/2009	Southwest	
151	In progress view of maneuver boat lifting wickets	USACE	8/11/2009	South	
152	In progress view of maneuver boat lifting wickets	USACE	8/11/2009	South	
153	Overview of L&D 52 dam, locks, and land side facilities	USACE	9/23/1974	Southeast	
154	Overview of L&D 52 locks and land side facilities	USACE	9/18/1973	Northwest	
155	Raised wickets with maneuver boat in background	USACE	N/A	South	
156	Bear traps under repairs	USACE	9/8/2007	Northeast	
157	Work on bear traps	USACE	9/8/2007	Northeast	
158	Bear traps under repairs	USACE	9/8/2007	Northeast	
159	Close up view of raised wickets	USACE	9/10/2007	Northeast	
160	In progress view of maneuver boat lifting wickets	USACE	9/13/2007	South	
161	Maneuver boat in action along dam	USACE	8/8/2005	South	
162	Raised wickets near lock chamber	USACE		Northwest	
163	Raised wickets near lock chamber	USACE	8/12/2015	Northwest	
164	Demolition debris from Garage/Warehouse	USACE	3/8/2021	Northeast	

	Photographs from Construction to Demolition of Locks and Dam 52				
Photo			Date Photo	Direction of	
Number	Photo Description	Who Took Photo?	Taken	Photo	
165	Demolition in progress of Lockkeepers Cottages and Houses	USACE	3/8/2021	Northwest	
166	Demolition in progress of Garage/Warehouse	USACE	3/8/2021	Northeast	
		Bhate Environmental			
167	Demolition in progress of Lockkeepers House	Associates, Inc.	2/27/2021	West	
		Bhate Environmental			
168	Demolition in progress of Lockkeepers House	Associates, Inc.	2/27/2021	West	
		Bhate Environmental			
169	Demolition in progress of Lockkeepers House	Associates, Inc.	2/27/2021	Southwest	
		Bhate Environmental			
170	Demolition in progress of Lockkeepers Cottage	Associates, Inc.	2/27/2021	Southwest	
		Bhate Environmental			
171	Demolition in progress of Lockkeepers Cottage	Associates, Inc.	2/27/2021	West	
		Bhate Environmental			
172	Demolition in progress of Lockkeepers Cottage and House	Associates, Inc.	2/27/2021	East	
		Bhate Environmental			
173	Demolition in progress of Lockkeepers Cottage	Associates, Inc.	2/27/2021	Northeast	
		Bhate Environmental			
174	Demolition in progress of Lockkeepers Cottages and Houses	Associates, Inc.	2/27/2021	Southeast	
		Bhate Environmental			
175	Demolition in progress of Lockkeepers Cottage and House	Associates, Inc.	2/27/2021	East	
		Bhate Environmental			
176	Demolition in progress of Lockkeepers Cottages and Houses	Associates, Inc.	2/27/2021	South	
	Demolition in progress of Lockkeepers Cottages and Houses with Garage/Warehouse in	Bhate Environmental			
177	foreground	Associates, Inc.	2/27/2021	Northwest	
		Bhate Environmental			
178	Demolition of foundation of Lockkeepers Cottage	Associates, Inc.	3/6/2021	Southwest	
		Bhate Environmental			
179	Demolition of foundation of Lockkeepers Cottage	Associates, Inc.	3/6/2021	Southeast	
		Bhate Environmental			
180	Demolition of foundation of Lockkeepers Cottage	Associates, Inc.	3/6/2021	South	
	· -	Bhate Environmental			
181	Demolition in progress of Power House	Associates, Inc.	3/6/2021	Northwest	
		Bhate Environmental			
182	Demolition in progress of Power House	Associates, Inc.	3/6/2021	North	
		Bhate Environmental	 		
183	Demolition in progress of Power House	Associates, Inc.	3/6/2021	Southeast	

	Photographs from Construction to Demolition	on of Locks and Dam 52		
Photo	3 1		Date Photo	Direction of
Number	Photo Description	Who Took Photo?	Taken	Photo
		Bhate Environmental		
184	Demolition in progress of Power House	Associates, Inc.	3/6/2021	Northeast
		Bhate Environmental		
185	Power House and Garage/Warehouse after demolition	Associates, Inc.	3/26/2021	Southeast
		Bhate Environmental		
186	Lockkeepers Houses and Cottages after demolition	Associates, Inc.	3/26/2021	Northwest
		Bhate Environmental		
187	Power House, Garage/Warehouse, and Oil House after demolition	Associates, Inc.	3/24/2021	Southeast
		Bhate Environmental		
188	Lockkeepers Houses and Cottages after demolition	Associates, Inc.	3/26/2021	Southeast
		Bhate Environmental		
189	Garage/Warehouse and Oil House after demolition	Associates, Inc.	3/26/2021	Northwest
		Bhate Environmental		
190	Lockkeepers Houses and Cottages and Power House after demolition	Associates, Inc.	3/24/2021	Southeast
191	View of area after demolition of Oil House	USACE	3/26/2021	Northeast
192	Demolition of lock wall in progress	USACE	10/31/2019	Southwest
193	Demolition of in progress of marine elements at L&D 52	USACE	10/1/2019	South/Southwest
194	Demolition in progress of lock chambers	USACE	Jul-20	Northeast
195	Demolition in progress of lock chamber	USACE	10/1/2019	West
196	Demolition in progress of lock chambers	USACE	10/1/2019	West
197	Demolition in progress of dam and lock chambers	USACE	10/1/2019	
198	Demolition in progress of lock chambers	USACE	10/1/2019	Southeast
199	Demolition in progress of temporary lock chamber	USACE	10/1/2019	Southwest
200	Demolition in progress of lock chambers	USACE	10/1/2019	East
201	Demolition in progress of dam and lock chambers	USACE	10/1/2019	South
202	Demolition in progress of dam and lock chambers	USACE	10/1/2019	Southeast
203	Demolition in progress east end of locks	USACE	10/1/2019	Southeast
204	Demolition in progress of lock chambers and dam	USACE	10/1/2019	Southwest
205	Demolition in progress of dam and lock chambers	USACE		Southwest
206	Overview of demolition in progress of lock chambers and dam	USACE		Southwest
207	Overview of demolition in progress of lock chambers	USACE	6/23/2020	North
208	Overview of demolition in progress of lock chambers	USACE		Northeast
209	Overview of demolition in progress of lock chambers	USACE	6/23/2020	
210	Overview of demolition in progress of lock chambers	USACE		Northeast
211	Demolition of land side lock wall	USACE	6/23/2020	
212	Overview of demolition in progress of lock chambers	USACE	6/23/2020	Northeast

	Photographs from Construction to Demolition of Locks and Dam 52				
Photo			Date Photo	Direction of	
Number	Photo Description	Who Took Photo?	Taken	Photo	
213	Overview of demolition in progress of lock chambers	USACE	6/23/2020	North	
214	Overview of demolition in progress of lock chambers	USACE	6/23/2020	Northwest	
215	Demolition of the bear trap section of the dam	USACE	6/24/2020	Southwest	
216	Overall aerial view showing demolition of lock chambers	USACE	6/24/2020	Northeast	
217	Up close view of bear trap leaf during removal	USACE	9/2/2020	N/A	
218	Up close view of bear trap leaf during removal	USACE	9/2/2020	N/A	
219	View of bear trap leaf during removal	USACE	9/2/2020	Southeast	
220	Removal of bear trap leaf	USACE	9/2/2020	South	
221	Removal of bear trap leaf	USACE	9/2/2020	Southwest	
222	Removal of bear trap leaf	USACE	9/2/2020	Southwest	
223	Up close view of bear trap leaf during removal	USACE	9/2/2020	N/A	
224	Removal of bear trap leaf	USACE	9/2/2020	Northwest	
	Overview of temporary power house and workers housing in background during construction				
225	of lock	USACE	Jun-25	Northeast	
226	Overview of construction of lock chamber	USACE	Jun-25	Southeast	
227	Demolition in progress of lock chambers and dam	USACE	Oct-19	Southwest	





O.R.L.&D. # 52 Chanoine Weir

736



O.R.L.& D. # 52 Piling for Bear traps

734



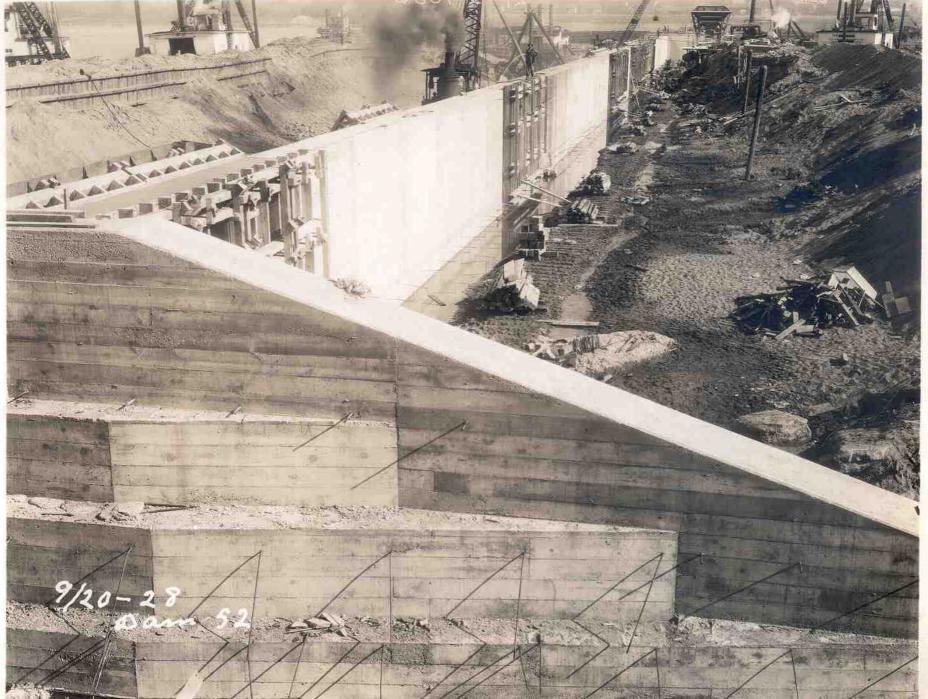
O.R. L. & D. # 52 Piling for Lock Walls

231



O.R.L.&D. # 52 First Pass Cofferdam

407



O.R.L.&D. #52 Fixed Dam

1006

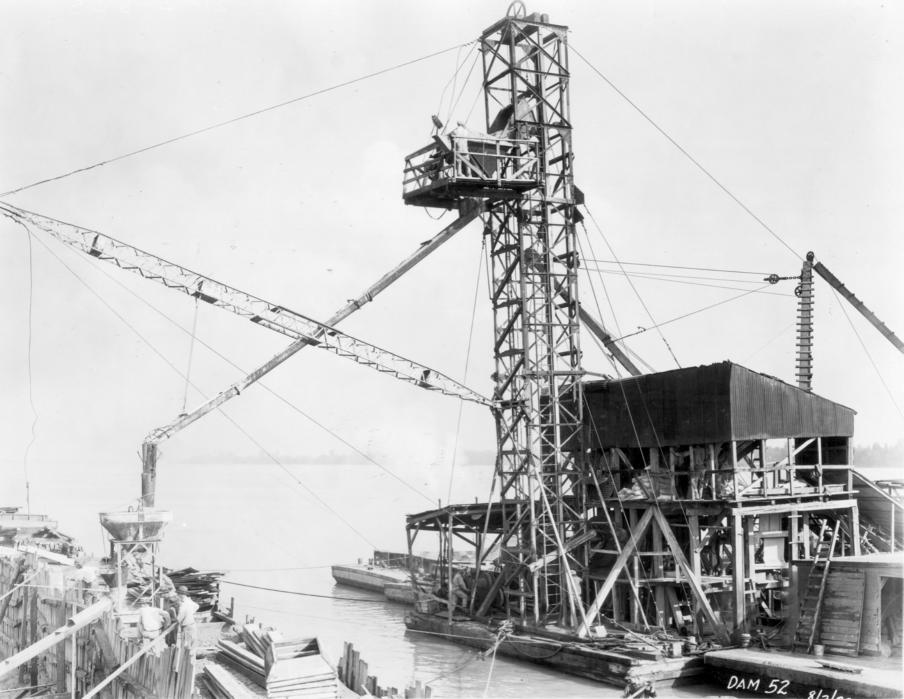
9-20-28





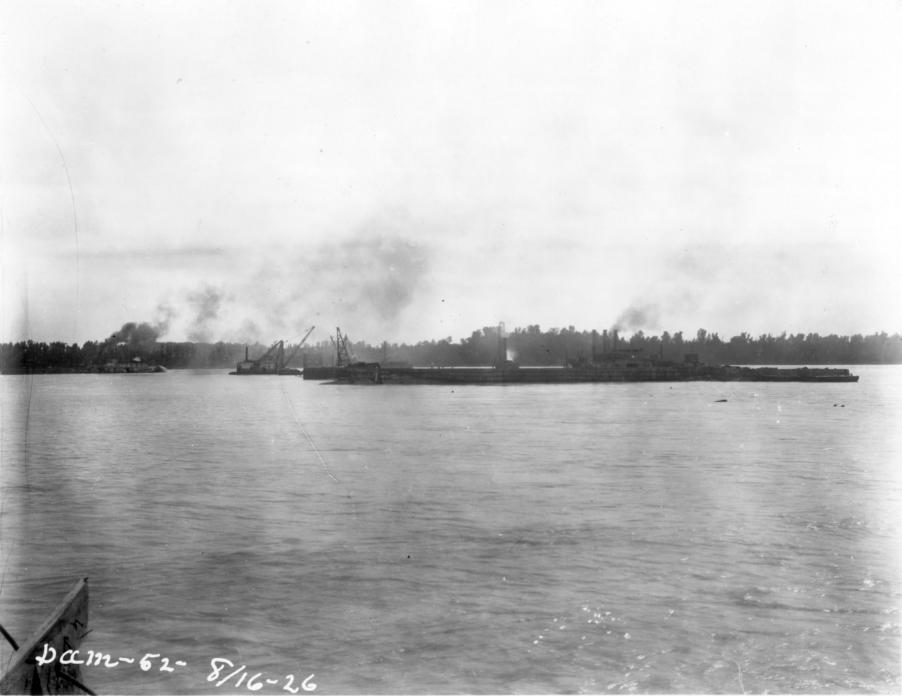
O.R.L.& D. #52 Land Wall of Lock

270-





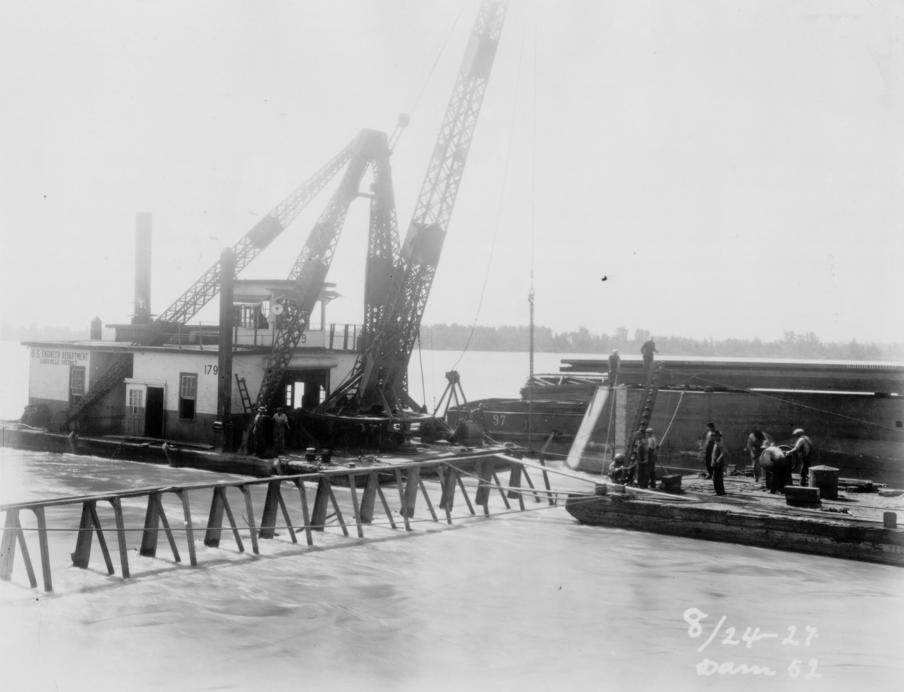


















8/24-27 Dam 52

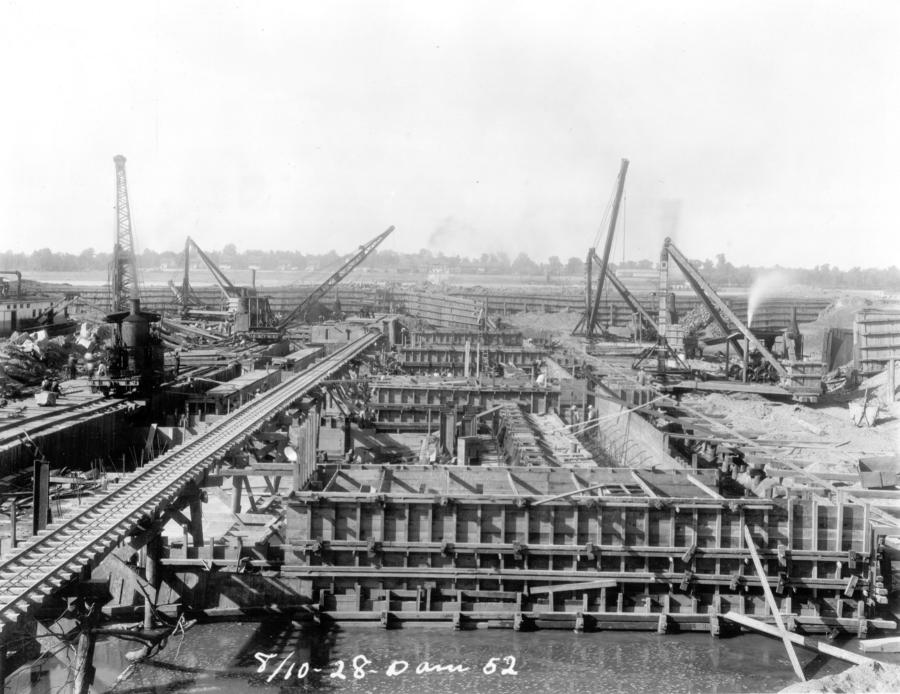








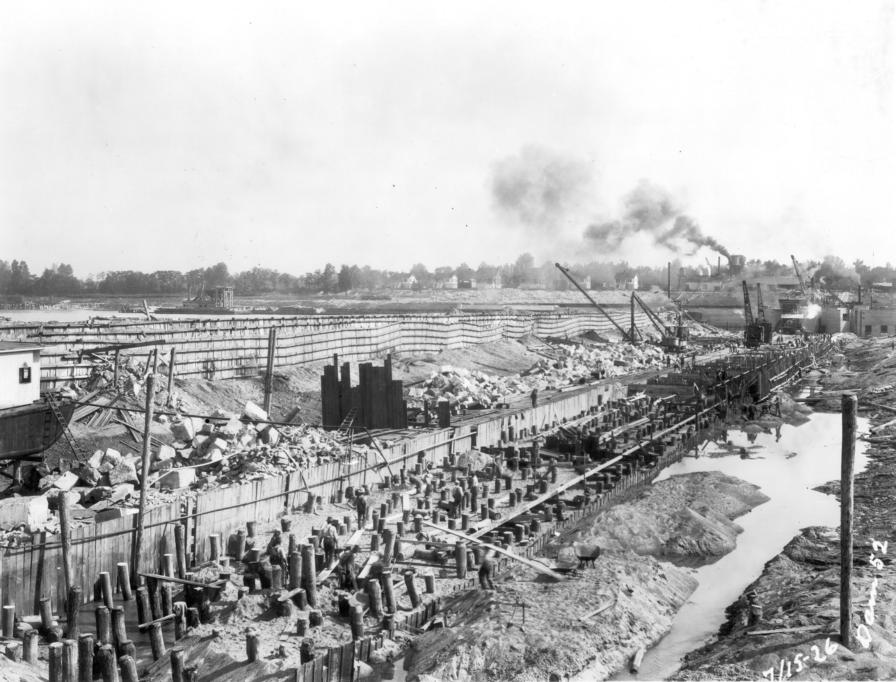






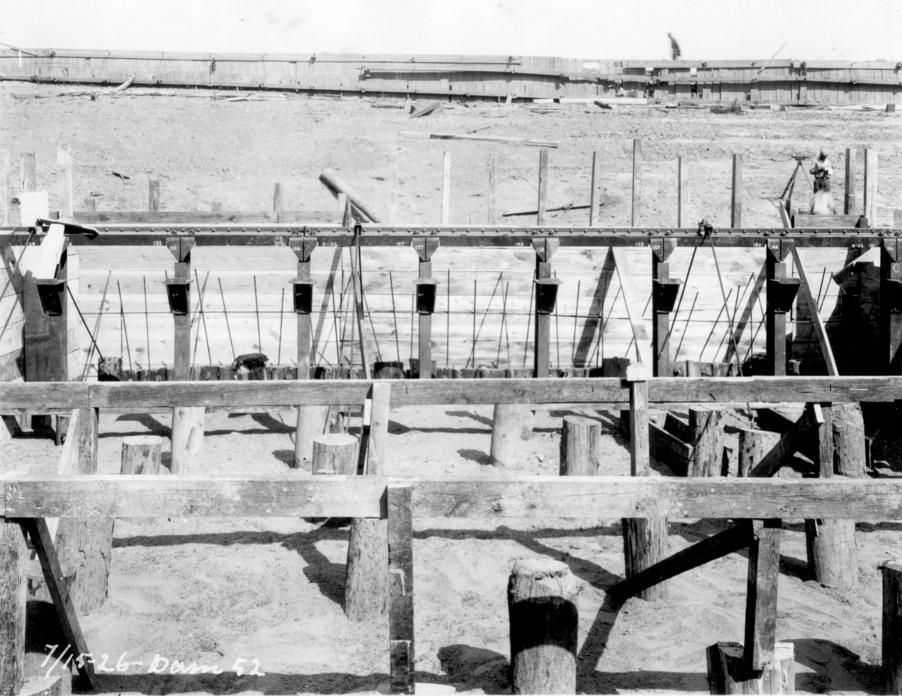






















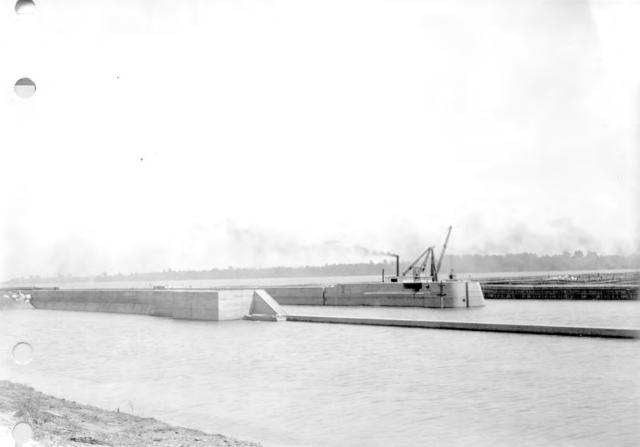




























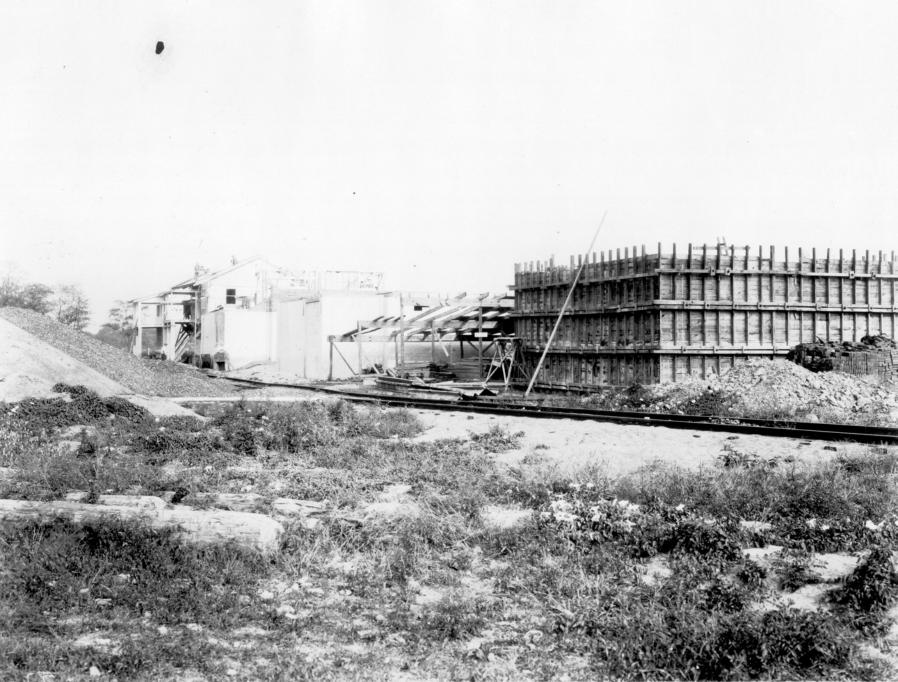


































OHIO RIVER - LOCK & DAM Nº 52 - NOV. 1930



OHIO RIVER - LOCK & DAM Nº 52 - NOV. 1930







Ohio River - Lock and Dam No. 52. Position of lodged Maneuver Boat No. 559 after being carried through
Bebout weir. Accident resulted from falling of two wickets behind boat. Cause unknown.

8-19-41



WAR DEPARTMENT

U. S. ENGINEER OFFICE

LOUISVILLE DISTRICT

Ohio River - Lock and Dam No. 52. Position of lodged Maneuver Boat No. 559 after being carried through

Bebout weir. Accident resulted from falling of two wickets behind boat. Cause unknown.

File 7134



WAR DEPARTMENT

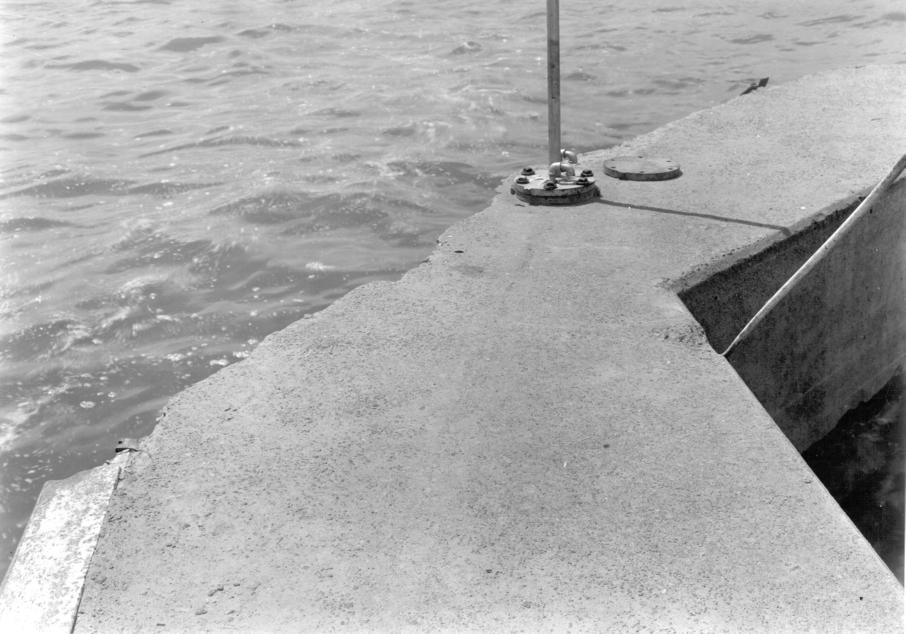
U. S. ENGINEER OFFICE

LOUISVILLE DISTRICT

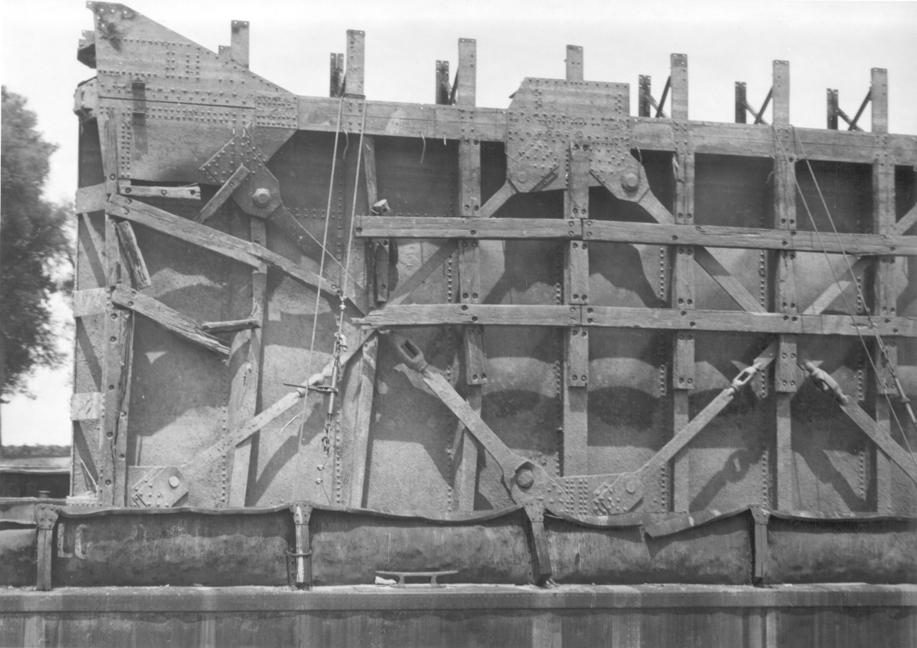
Ohio River - Lock and Dam No. 52. Position of lodged Maneuver Boat No. 559 after being carried through

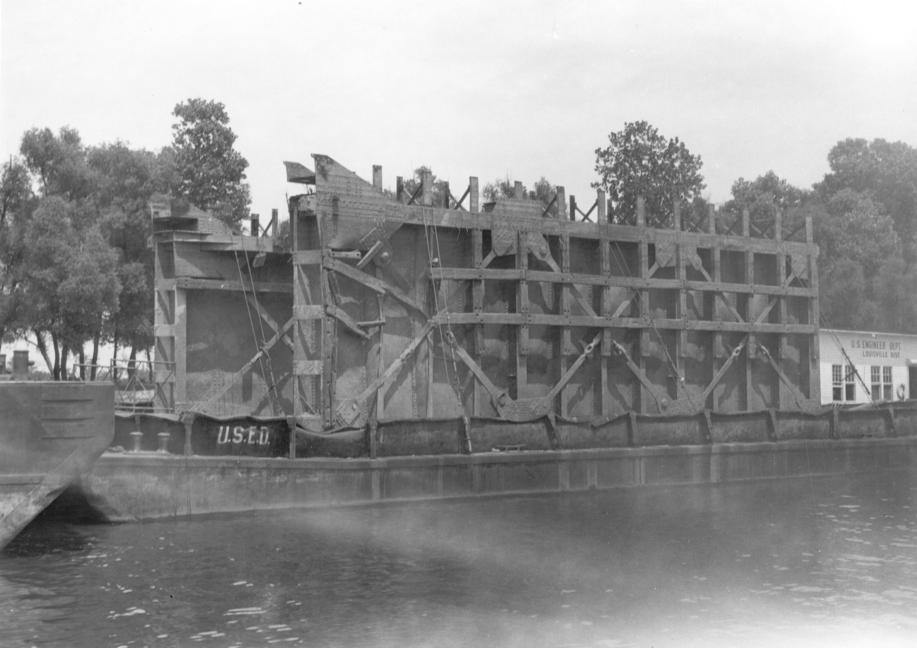
Bebout weir. Accident resulted from falling of two wickets behind boat. Cause unknown.

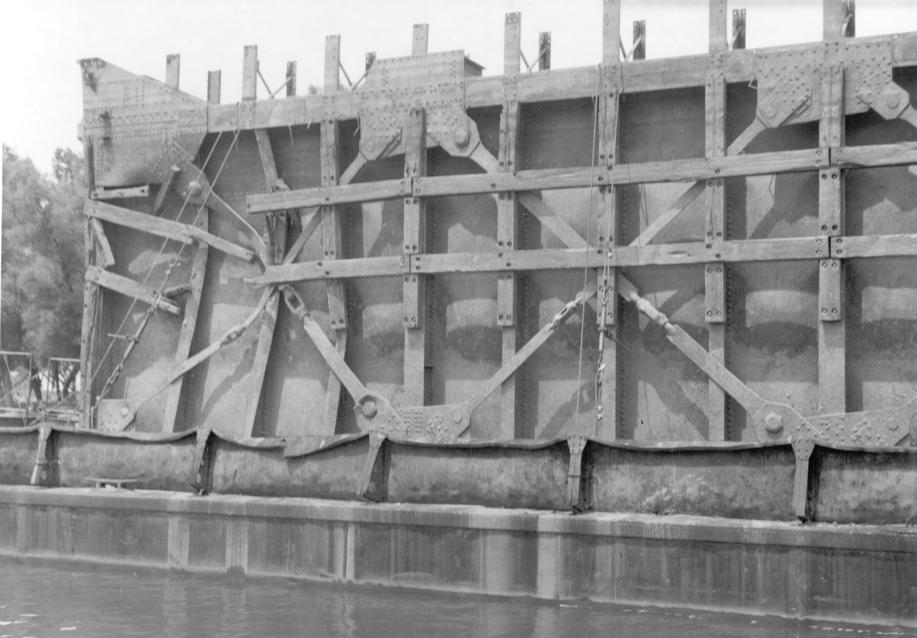
File 7136



















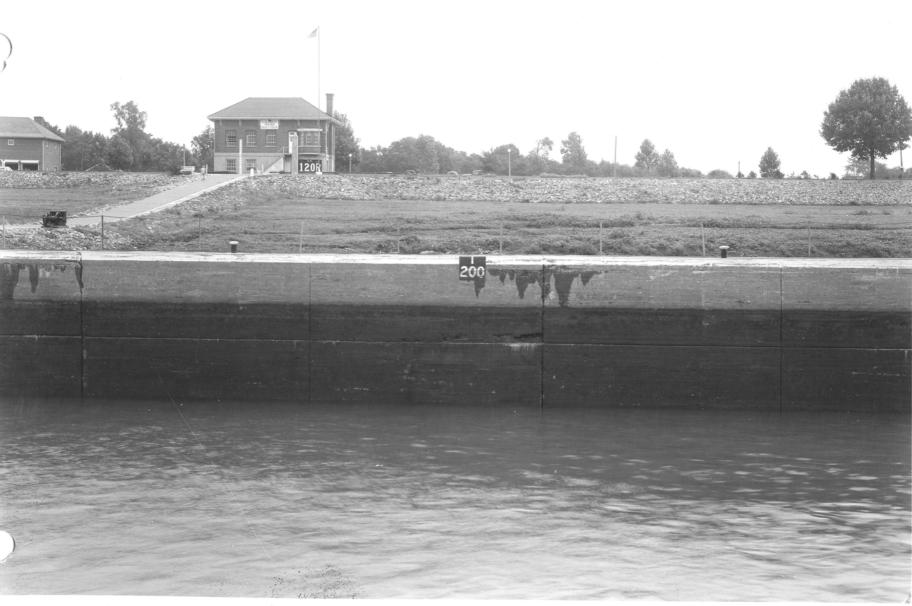












WAR DEPARTMENT, U. S. ENGINEER OFFICE, LOUISVILLE DISTRICT.
Ohio River-- Lock and Dam No. 52.
Lock Land Wall and Operations Building.

Date: 14 August 1946

File No. 19045



Ohio River -- Lock and Dam No. 52. Lock River Wall. View showing leakage in lock wall.

Date: 14 August 1946

File No. 19048









(Louisville District) DESCRIPTION Lock No. 52, Ohio River View looking downstream and riverward showing Lidgerwood Tow Haulage Unit at Upstream Side of Road back of Land Wall at Center of Lock.

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PHOTOGRAPH MOUNTING SHEET



DESCRIPTION Lock No. 52, Ohio River

View looking riverward showing Sheave for Tow Haulage Unit Line at Land Wall at Center of Lock

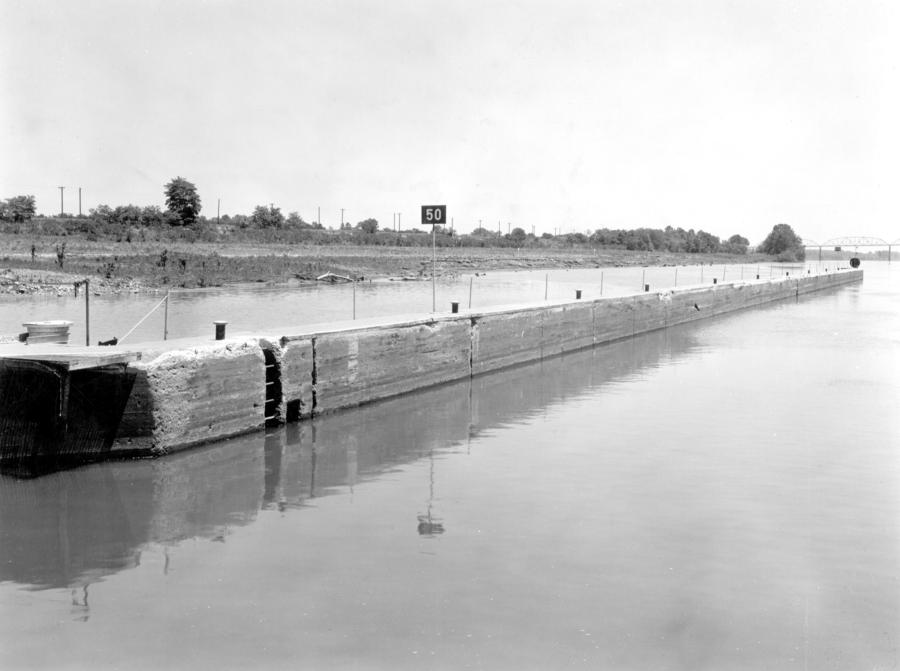
DATE

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FILE NO.

DESCRIPTION



















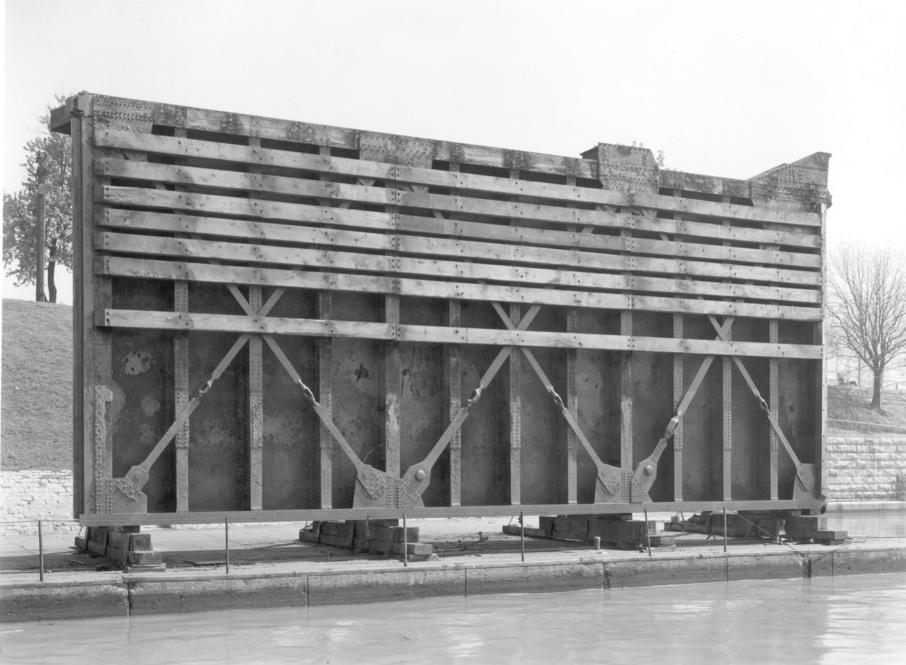


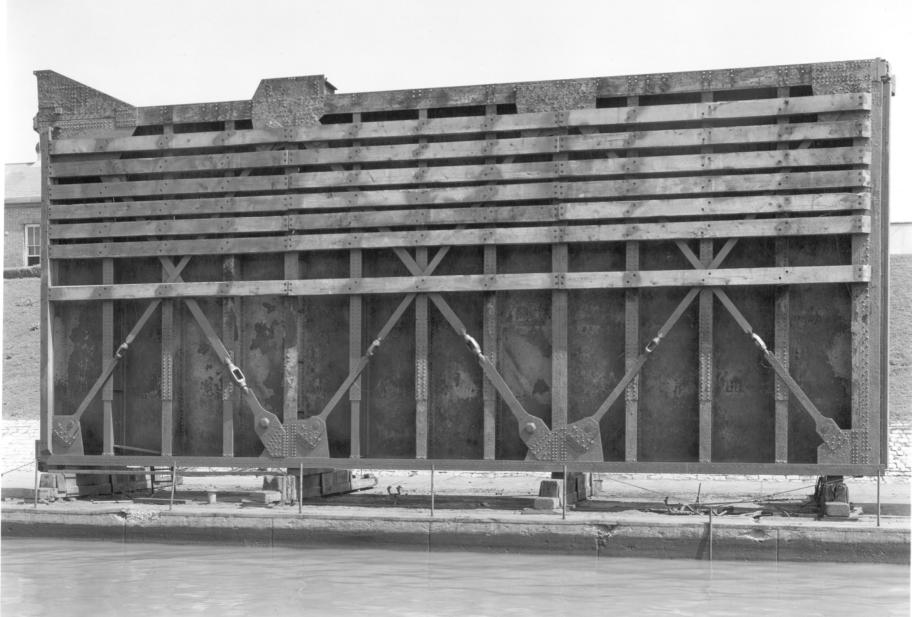






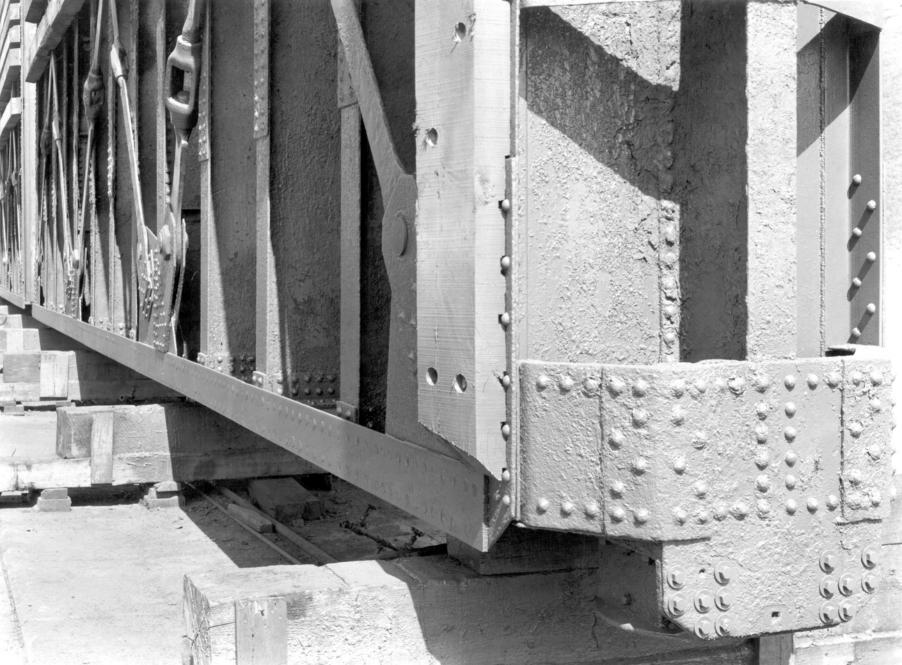
LOUISVILLE DISTRICT, CORPS OF ENGINEERS, U. S. ARMY. Date: 11 September 1951. File No. 25870 Ohio River--Lock & Dam No. 52. Repairs to Bear Traps. Looking upstream and landward from bear trap pier No. 2, showing condition of trap No. 2 prior to repairs.

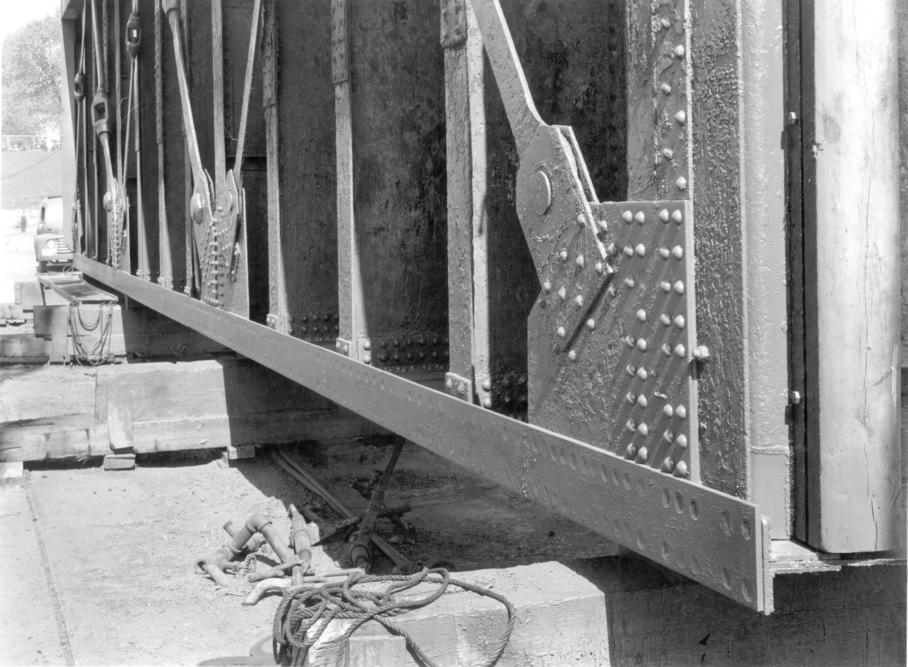


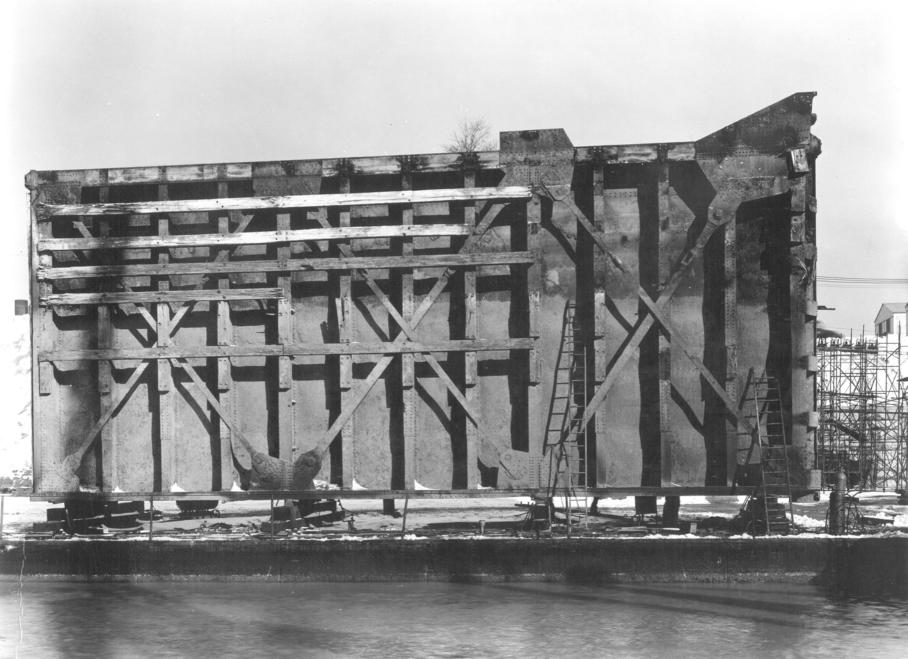


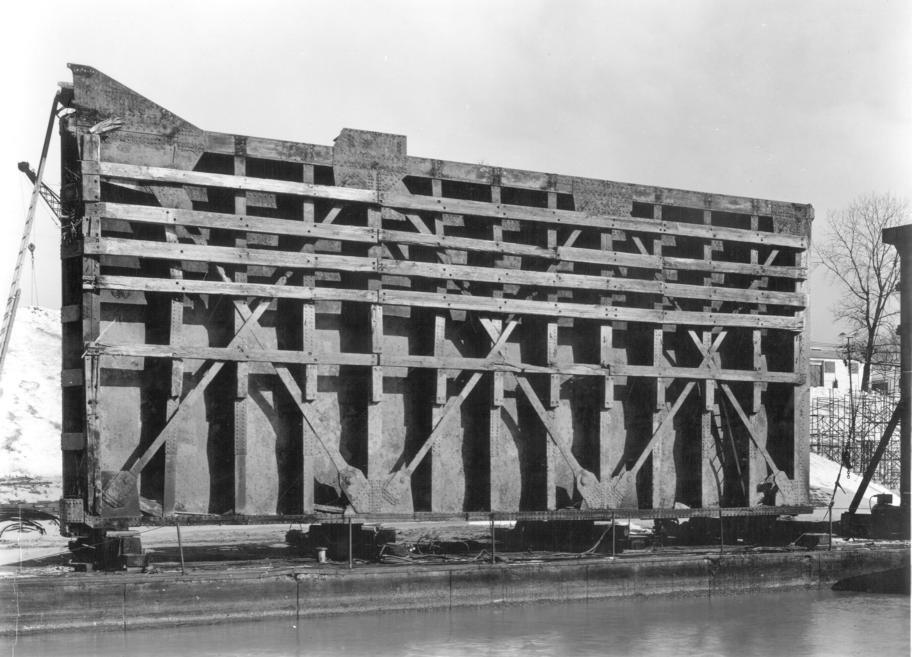


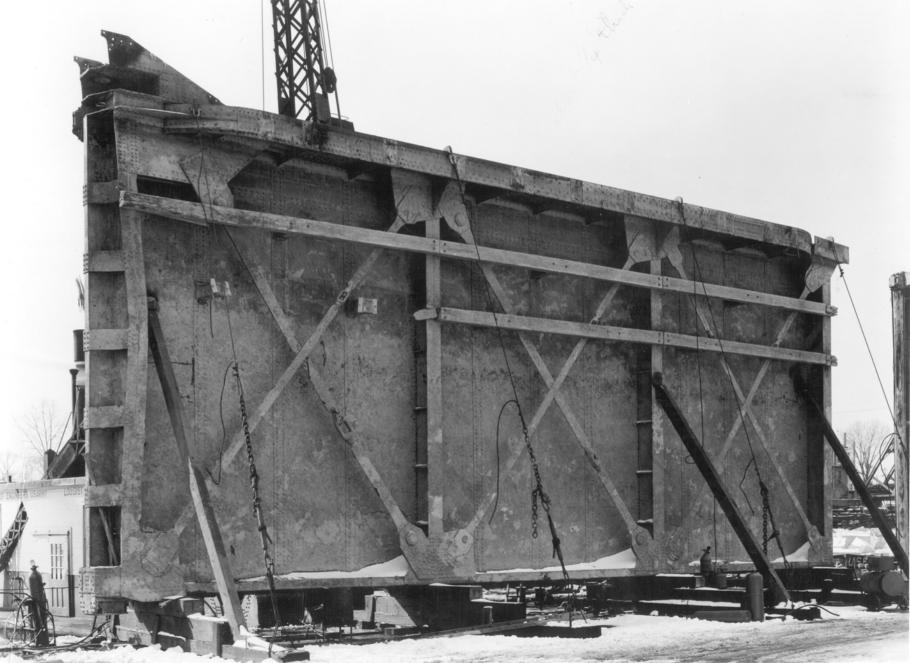


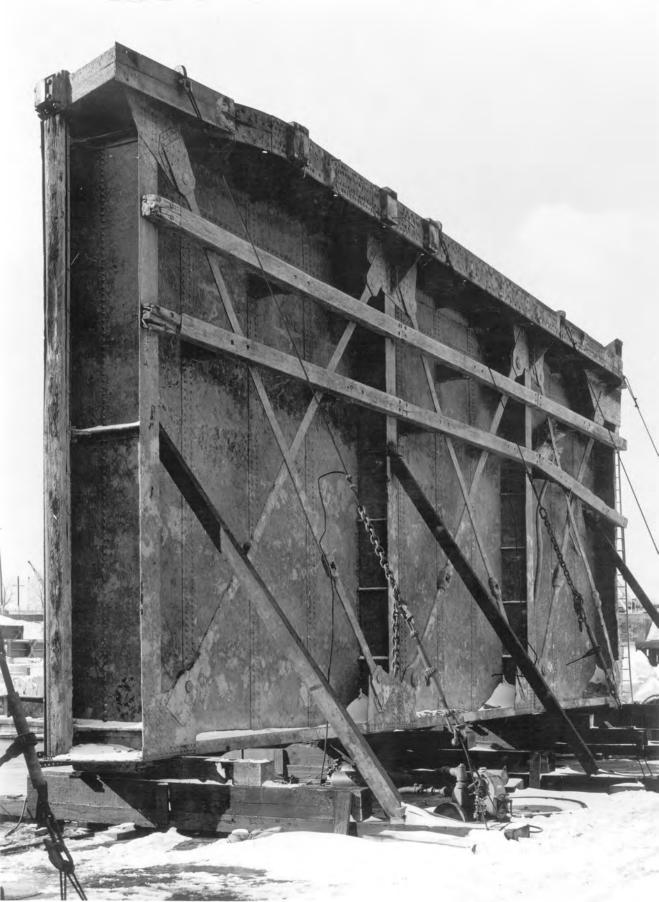
























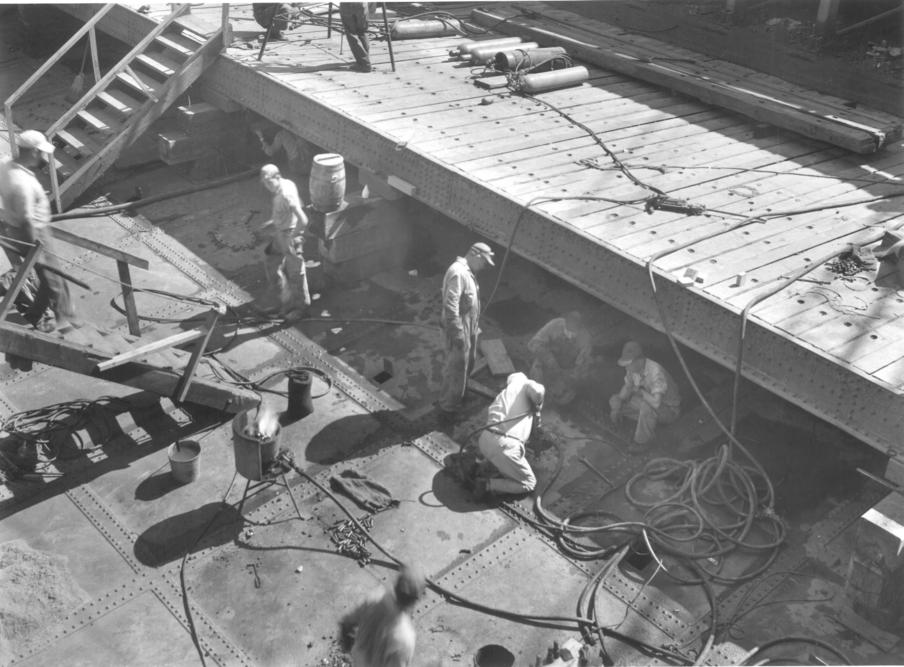








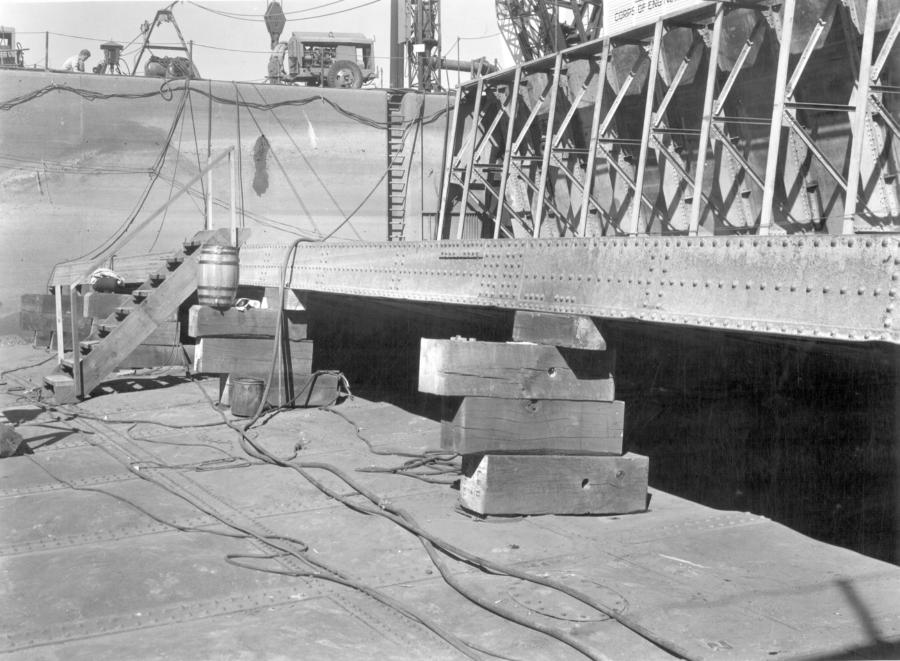


















LOUISVILLE DISTRICT, CORPS OF ENGINEERS, U. S. ARMY. Date: 25 July 1961. File No. 32613
Louisville Repair Station - Operations Division.

Downstream face of Lower Land Leaf of L & D 52 Miter Gate damaged by M/V INCA 4 July 1961, in foreground. Downstream face of Upper Land Leaf of L & D 49 Miter Gate damaged by M/V CODRINGTON, 24 December 1960, in background.



LOUISVILLE DISTRICT, CORPS OF ENGINEERS, U. S. ARMY. Date: 25 July 1961. File No. 32612 Louisville Repair Station - Operations Division.

Downstream Face of Lower Land Leaf of L & D 52 Miter Gate Mdamaged by M/V INCA 4 July 1961.



LOUISVILLE DISTRICT, CORPS OF ENGINEERS, U. S. ARMY. Date: 27 July 1961 File No. 32610 Louisville Repair Station - Operations Division.

Upstream face of lower Land Leaf of L & D 52 Miter gate damaged by M/V INCA 4 July 1961, in foreground. Upstream face of Upper Land Leaf of L & D 49 Miter Gate, damaged by M/V CODRINGTON 24 ecember 1960, in background.



LOUISVILLE DISTRICT, CORPS OF ENGINEERS, U. S. ARMY. Date: 27 July 1961 File No. 32611 Louisville Repair Station - Operations Division.

Downstream face of Lower Land Leaf of L & D 52 Miter gate damaged by M/V INCA on 4 July 1961.









































































































































































