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WISCONSIN, ET AL VS. SANITARY DISTRICT, ET AL.

DEF. EX. 1456

PHOTOGRAPHIC SURVEY
OF WATER LEVEL CONDITIONS
AROUND
LAKES MICHIGAN, HURON, ERIE AND ONTARIO
JULY 10, 1929 TO AUG. 2, 1929

Top

PHOTOGRAPH NUMBER A-49

DATE TAKEN July 15, 1929.

LOCATION: Washington Island, Wis.
See U. S. Lake Survey Chart No. 71.

PICTURE TAKEN: 50 feet west of the center line of the county road "W" where the road reaches Jackson Harbor, located on the north east corner of Washington Island, looking N.E. over Jackson Harbor.

Pictures A-49 and A-50 were taken in the same locality.

PICTURE SHOWS: A general view of the flooded conditions around Jackson Harbor; the buildings partly or wholly surrounded by water; the mill in the center almost put out of commission by the high water; piles of wood standing in the water; the road in the foreground covered with water and almost impassable; and Rock Island in the distance right.

REFERENCE TO TESTIMONY:

Judge Henry Graass, --p. 1013.
"---years ago between Rock Island and Washington Island was a passage which we used to fish and small boats could pass through that passage; two years ago I walked across without getting my feet wet between Rock Island and Washington Island."



7-15-29

A-49

PHOTOGRAPH NUMBER A-50

DATE TAKEN July 15, 1929.

LOCATION: Washington Island, Wis.
See U. S. Lake Survey Chart No. 71.

PICTURE TAKEN: 35 feet east of the center line of the county road "W", where the road reaches Jackson Harbor, on the north east corner of Washington Island, looking N.E. over Jackson Harbor.

Pictures A-49 and A-50 were taken in the same locality.

PICTURE SHOWS: A general view of the flooded conditions around Jackson Harbor; the buildings partly or wholly surrounded by water; Bergstrom looking at and Rhoads pointing to the mill almost put out of business by high water; and Rock Island at the extreme right of the picture.

REFERENCE TO TESTIMONY:

Judge Henry Graass,--p. 1013
"--years ago between Rock Island and Washington Island was a passage which we used to fish and small boats could pass through that passage; two years ago I walked across without getting my feet wet between Rock Island and Washington Island."



7-15-29

A-50

PHOTOGRAPH NUMBER A-51

DATE TAKEN July 15, 1929.

LOCATION: Washington Island, Wis.
See U. S. Lake Survey Chart No. 71.

PICTURE TAKEN: From a point on the high shore line on ground occupied by "Camp Panhellenic" for college girls, at the north east corner of Washington Island, looking N.E. toward Rock Island.

Pictures A-51 and A-52 were taken from the same camera setup.

PICTURE SHOWS: Rock Island with buildings and boat houses in the distance; high water conditions around the island; the broad expanse of water between Rock Island and Washington Island; and Bergstrom holding the gage in the water showing the depth of water at 5.8 feet.

REFERENCE TO TESTIMONY:

Judge Henry Graass, -p. 1013

"---years ago between Rock Island and Washington Island was a passage which we used to fish and small boats could pass through that passage; two years ago I walked across without getting my feet wet between Rock Island and Washington Island."



7-15-29

A-51

PHOTOGRAPH NUMBER A-47

DATE TAKEN July 15, 1929.

LOCATION: Washington Island, Wis.
See U. S. Lake Survey Chart No. 71.

PICTURE TAKEN: From the boat H. J. Davis (shown on A-56 and A-57) on the trip from Hedgehog Harbor to Detroit Harbor, Washington Island looking W. to Lobdell Point. This picture is similar to A-55.

Pictures A-47, A-48 and A-55 were taken in this locality.

PICTURE SHOWS: A view of the flooded conditions around the buildings located at Lobdell Point.

Lobdell Point is the point of land on Washington Island at the south west corner of the body of water known as Detroit Harbor.



55
PHOTOGRAPH NUMBER A-55.

DATE TAKEN July 15, 1929.

LOCATION: Washington Island, Wis.
See U. S. Lake Survey Chart No. 71.

PICTURE TAKEN: From the boat H. J. Davis (shown on A-56 and A-57) on the trip from Detroit Harbor, Washington Island to Hedgehog Harbor looking W. to Lobdell Point. This picture is similar to A-47.

Pictures A-47, A-48 and A-55 were taken in this locality.

PICTURE SHOWS: A view of the flooded conditions around the buildings located at Lobdell Point. (Lobdell Point is the point of land on Washington Island at the south west corner of the body of water known as Detroit Harbor.)



7-15-29

A-55

PHOTOGRAPH NUMBER A-48

DATE TAKEN July 15, 1929.

LOCATION: Detroit Island, Wis.
See U. S. Lake Survey Chart No. 71.

PICTURE TAKEN: from the boat H. J. Davis (shown on A-56 and A-57) on the trip from Hedgehog Harbor to Detroit Harbor, Washington Island looking E. to the north point of Detroit Island.

Pictures A-47, A-48 and A-55 were taken in the same locality.

PICTURE SHOWS:

High water conditions around the northern point of Detroit Island. Detroit Island is a small island south of Washington Island.



PHOTOGRAPH NUMBER- A-53.

DATE TAKEN July 15, 1929.

LOCATION: Washington Island, Wis.
See U. S. Lake Survey Chart No. 71.

PICTURE TAKEN: From the south end of the county highway
"W" just before it reaches the shore line looking S.E.
over Detroit Harbor.

PICTURE SHOWS: A general view of Detroit Harbor; the
flooded conditions along the shore line; the island
at the right; and more particularly the flooded boat
house in the center of the picture with no visible means
of access.

REFERENCE TO TESTIMONY:

Judge Henry Graass, -pp. 1013-14.
Fifteen years ago passenger boats used to enter Detroit
Harbor and land at the piers, but during the last 8 or
10 years no boats drawing more than 3 ft. of water have
been able to enter the harbor "unless they stay right
in the main channel of the harbor and then they cannot
proceed to the shore."



7-15-29

A-53

PHOTOGRAPH NUMBER A-54.

DATE TAKEN July 15, 1929.

LOCATION: Washington Island, Wis.
See U. S. Lake Survey Chart No. 71.

PICTURE TAKEN: Along the shore line east of the dock at
Detroit Harbor looking W. along the shore line.

PICTURE SHOWS: The boat H. J. Davis at the dock; the road
leading to the dock; Rhoads standing near the land end
of the road; the absence of any beach; and the water
spreading over the grass along the shore.

REFERENCE TO TESTIMONY:

Judge Henry Graass, -pp. 1013-14.

Fifteen years ago passenger boats used to enter Detroit Harbor and land at the piers, but during the past 8 or 10 years no boats drawing more than 3 ft. of water have been able to enter the harbor "unless they stay right in the main channel of the harbor and then they cannot proceed to the shore."



7-15-29

A-54

PHOTOGRAPH NUMBER A-592

DATE TAKEN July 15, 1929.

LOCATION: Cana Island, Door County, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: from the center of the road on the mainland of Door County between North Bay and Mud Bay, looking S.E. to Cana Island.

PICTURE SHOWS: Cana Island in the distance; the road leading from the mainland to Cana Island completely submerged and impassable because of the high water; Bergstrom on the left and Rhoads on the right pointing to the submerged road; the electric wires reaching the island; and the boat house located on the island. On our trip to Cana Island we met an automobile of tourists who warned us that we would not be able to drive over to the island.

REFERENCE TO TESTIMONY:

Judge Henry Graass, -p. 1014.

"Just below North Bay is Cana Island, and between the island and the mainland was another excellent black bass fishing ground that I used to frequent; we now drive automobiles from the mainland to the island; the water has receded."



7-15-20

A-59

PHOTOGRAPH NUMBER A-58.

DATE TAKEN July 15, 1929.

LOCATION: Mud Bay, Door County, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: In front of the home of Judge Henry Graass
on the shore of Mud Bay, looking N. E. along the shore line.

PICTURE SHOWS: The home of Judge Graass among the trees at the
extreme left. (barely visible); the covered lookout with a
short walk; two people, a dog and the Lincoln car in the
distance; Mud Bay, a row boat, and a plank walk at the
right of the picture; and a general view of the shore line
in front of the Judge's home. The distance between the
water line and the right corner of the lookout is 70 feet.

REFERENCE TO TESTIMONY:

Judge Henry Graass,--pp. 1014, 1019-20 and 1024-6.

"The next bay, called on the map Mud Bay, is where I have
my summer home. I own about three-quarters of a mile of
beach, and in comparison with the years 1895, 1896 and
1897, the water has receded at least ~~from~~ 250 feet to 300
feet, so that I have that increased sandy shore line.----
the water now is about 225 feet from the cottage, where it
used to be from 50 to 75 feet from the cottage."



7-15-29

A-58

PHOTOGRAPH NUMBER A-57.

DATE TAKEN July 15, 1929.

LOCATION: Hedgehog Harbor, Door County, Wis.
See U. S. Lake Survey Chart No. 71.

PICTURE TAKEN: From the shore near Teskie's Dock, looking
N.E. over Hedgehog Harbor.

Pictures A-56 and A-57 were taken in this locality.

PICTURE SHOWS: The newly constructed Teskie's Dock with
the boat H. J. Davis alongside; two groups of fisherman's
buildings with boats, fish houses and boat houses on the
opposite shore; two swimmers in the water at the right;
the narrow strip of bathing beach; and a general view of
Hedgehog Harbor.

REFERENCE TO TESTIMONY:

Judge Henry Graass,--pp. 1014-a and 1015.

The Goodrich boat no longer enters Hedgehog Harbor as it
did 8 or 9 years ago, "because the water has receded and
there is no longer water enough to give them sufficient
draft to enter."



7-15-29

A-57

PHOTOGRAPH NUMBER A-46

DATE TAKEN July 15, 1929

LOCATION: Ellison Bay, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: Along the shore line, south of the city dock, looking N. W. over Ellison Bay.

PICTURE SHOWS: Two buildings on the dock, and the road-way leading to them; Bergstrom holding gage on top of water which indicates 2.5 feet to top of dock; a general view of water level conditions along the shore line; Rhoads and ~~three~~ little girls standing on the shore line; and a building and fishing net at the right of the picture.

REFERENCE TO TESTIMONY:

Judge Henry Graass, -pp. 1014-a and 1015.

The Goodrich boat no longer enters Ellison Bay, as it did 8 or 9 years ago, except once in a great while "because the water has receded and there is no longer water enough to give them sufficient draft to enter."



7-15-29

A-46

PHOTOGRAPH NUMBER A-45

DATE TAKEN July 15, 1929.

LOCATION: Sister Bay, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: On the dock in front of an old building marked "The Everett Clark Company" looking N.E. over Sister Bay.

PICTURE SHOWS: The new concrete dock of Adolph Roeser; Rhoads standing on the extreme corner of the dock; Bergstrom holding gage on top of water; showing 1.0 foot to top of concrete; a general view of the shore line of Sister Bay; and the buildings of Adolph Roeser and a Fairbanks Scales at the right of the picture.

REFERENCE TO TESTIMONY:

Judge Henry Graass, -pp. 1014-a, and 1015.

The Goodrich boat no longer enters Sister Bay as it did 8 or 9 years ago, "because the water has receded and there is no longer water enough to give them sufficient draft to enter."



7-15-29

A-45

PHOTOGRAPH NUMBER A-43.

DATE TAKEN July 14, 1929.

LOCATION: Ephraim, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: Along the shore line north of the city dock ,
looking S.W. over Eagle Harbor.

Pictures A-43 and A-44 were taken in this locality.

PICTURE SHOWS: General view of the water level along the
west shore line; platform to a boat house in the fore-
ground; roadway leading to the city dock, the warehouse
and the landing pier in the center of the picture; and
a general view looking over Eagle Harbor to the State
Park on the opposite side. Bergstrom is standing in
front of the warehouse.

REFERENCE TO TESTIMONY:

Judge Henry Graass, -pp. 1014-a, 1015, 1018-9 and 1028.
The Goodrich boat used to enter Hedgehog Harbor, Ellison
Bay, Sister Bay, Little Sister Bay, Ephraim, Fish Creek,
and Egg Harbor. "Now the only port which the Goodrich
boat touches is Ephraim at certain times--because the
water has receded and there is no longer water enough
to give them sufficient draft to enter."



7-14-29

A-43

PHOTOGRAPH NUMBER A-44

DATE TAKEN July 14, 1929.

LOCATION: Ephraim, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: From the roadway leading to the city dock (shown on A-43) looking S.E. along the shore line of Eagle Harbor.

Pictures A-43 and A-44 were taken in this locality.

PICTURE SHOWS: The roadway leading to the city dock at the extreme left; a dredge, row-boat and motor boat in the center; a general view of the shore line with buildings and docks; and an oil filling station at the right of the picture. Rhoads is standing along the shore line under the dredge.

REFERENCE TO TESTIMONY:

Judge Henry Graass, pp. 1014-a, 1015, 1018-9 and 1028. The Goodrich boat used to enter Hedgehog Harbor, Ellison Bay, Sister Bay, Little Sister Bay, Ephraim, Fish Creek and Egg Harbor. "Now the only port which the Goodrich boat touches is Ephraim at certain times-- because the water has receded and there is no longer water enough to give them sufficient draft to enter."



7-14-29

A-44



PHOTOGRAPH NUMBER A-41.

DATE TAKEN July 14, 1929.

LOCATION: Fish Creek, Wis.

See U.S. Lake Survey Chart No. 72.

PICTURE TAKEN: From the top of a stone pile along the west shore line of the bay, near two old buildings, one of them marked "chambers Island Dock", looking N. along the shore line.

Pictures A-41 and A-42 were taken in this locality.

PICTURE SHOWS: A general view of the shore line at Fish Creek; a traveled roadway 10 feet from the edge of the water at the left; the entrance to a private boat house in the center; and two partly submerged boat houses at the right of the picture. The Lincoln car used by the party is shown at the left.

REFERENCE TO TESTIMONY.

Judge Henry Graass, -pp. 1014-a and 1015.

The Goodrich boat no longer enters Fish Creek as it did 8 or 9 years ago "because the water has receded and there is no longer water enough to give them sufficient draft to enter."



7-14-29

A-41



PHOTOGRAPH NUMBER A-42.

DATE TAKEN July 14, 1929.

LOCATION: Fish Creek, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: At the land end of the road leading to the city dock looking N.W. along the shore line.

Pictures A-41 and A-42 were taken in this locality.

PICTURE SHOWS: A general view of the water level along the shore line at Fish Creek; Rhoads pointing to two boat houses, partly submerged by the high water; and pleasure boats around a private boat house at the right of the picture.

REFERENCE TO TESTIMONY:

Judge Henry Graass, -pp. 1014-a and 1015.

The Goodrich boat no longer enters Fish Creek as it did 8 or 9 years ago "because the water has receded and there is no longer water enough to give them sufficient draft to enter."



7-14-29

A-42

PHOTOGRAPH NUMBER A-39

DATE TAKEN July 14, 1929.

LOCATION: Egg Harbor, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: From the north west end of the pier in front of the Alpine Hotel, looking S.E. toward the hotel.

Pictures A-39 and A-40 were taken in this locality.

PICTURE SHOWS: Pier at the left; the Alpine Hotel with water up to the stone wall, in the center; and a general view over Egg Harbor showing the water surface and the south shore of the harbor, at the right of the picture.

REFERENCE TO TESTIMONY.:

Judge Henry Graass, -pp. 1014-a and 1015.
The Goodrich boat no longer enters Egg Harbor as it did 8 or 9 years ago "because the water has receded and there is no longer water enough to give them sufficient draft to enter."



7-14-29

A-39

PHOTOGRAPH NUMBER A-40

DATE TAKEN July 14, 1929

LOCATION: Egg Harbor, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: From the land end of the pier in front of the Alpine Hotel, shown in A-39, looking N. over Egg Harbor.

Pictures A-39 and A-40 were taken in this locality.

PICTURE SHOWS: A general view of the water conditions along the east shore of Egg Harbor; the beach cut to a very narrow strip of land; a bath house, bathing beach, diving board and the road over the hill to Fish Creek in the center of the picture; and some private homes and docks at the left of the picture.

REFERENCE TO TESTIMONY:

Judge Henry Graass,--pp 1014-a and 1015.

The Goodrich boat no longer enters Egg Harbor as it did 8 or 9 years ago "because the water has receded and there is no longer water enough to give them sufficient draft to enter."



7-14-29

A-40

PHOTOGRAPH NUMBER A-26

DATE TAKEN July 14, 1929.

LOCATION: Sawyer Harbor, Wis.
See U. S. Lake Survey Chart No. 72

PICTURE TAKEN: On a small dock directly in front of Cabot's Lodge, on the north shore of Sawyer Harbor, about 4.5 miles northwest of Sturgeon Bay; looking N. E. towards Cabot's Lodge. Cabot's Lodge is just east of "The Pines", a widely advertised summer camp.

Pictures A-26 to A-28 were taken in this locality.

PICTURE SHOWS: The general water level conditions along the shore line; Cabot's Lodge at the left; and the water reaching almost to the top of the retaining wall in front of the Lodge grounds.

REFERENCE TO TESTIMONY:

Judge Henry Graass, - pp. 1015-1016

"Sawyer's Harbor --- was a wonderful place in which northern pike, muskalonge, and black bass spawned, and where those spawning beds were there is dry land now,--"



7-14-29

A-26

PHOTOGRAPH NUMBER - A 27

DATE TAKEN July 14, 1929

LOCATION: Sawyer Harbor, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: On a small dock directly in front of Cabot's Lodge, on the north shore of Sawyer Harbor, about 4.5 miles north west of Sturgeon Bay; looking N. W. over Sawyer Harbor. Cabot's Lodge is just east of "The Pines", a widely advertised summer camp.

Pictures A-26 to A-28 were taken in this locality.

PICTURE SHOWS: A general view along the north shore line of Sawyer Harbor, showing a dock and a cottage; a view looking west over Sawyer Harbor, showing water extending over the west end of the Harbor to the wooded hills on the opposite shore; Rhoads seated on the west end of the dock; and row boats at the right of the picture.

REFERENCE TO TESTIMONY:

Judge Henry Graass - pp. 1015-1016

"Sawyer's Harbor--- was a wonderful place in which northern pike, muskalonge, and black bass spawned, and where those spawning beds were there is dry land now,---"



7-14-29

A-27

PHOTOGRAPH NUMBER A-28.

DATE TAKEN July 14, 1929

LOCATION: Sawyer Harbor, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: On a concrete sidewalk leading to the dock in front of Cabot's Lodge on the north shore of Sawyer Harbor, about 4.5 miles north west of Sturgeon Bay; looking S.E. toward Sturgeon Bay. Cabot's Lodge is just east of "The Pines" a widely advertised summer camp.

Pictures A-26 to A-28 were taken in this locality.

PICTURE SHOWS: Part of the shore line in front of Cabot's Lodge; a government Revenue boat anchored in the harbor Sturgeon Bay in the distance; row-boats, dock and electric light poles in front of Cabot's Lodge; and a general view of water level conditions extending across Sawyer Harbor to the State Park on the south shore.

REFERENCE TO TESTIMONY:

Judge Henry Graass, -pp. 1015-1016
"Sawyer's Harbor---was a wonderful place in which northern pike, muskalong~~g~~, and black bass spawned, and where those spawning beds were there is dry land now,---"



7-14-29

A-28

PHOTOGRAPH NUMBER A-31

DATE TAKEN July 14, 1929.

LOCATION: Little Sturgeon Bay, Wis.
See U. S. Lake Survey chart No. 72.

PICTURE TAKEN: From the road at the point of land, known as Gustavison's Point, at the north west corner of Little Sturgeon Bay looking S. W. along the shore line.

PICTURE SHOWS: A general view of Little Sturgeon Bay, and the south shore line in the distance; motor boats tied along the shore line; fish net racks at the left; and high water spreading over the grass in the foreground. At this point we hired a boat to make the trip to Snake Island where we took pictures A-32 to A-38.

REFERENCE TO TESTIMONY:

Judge Henry Graass-- p. 1016.

"Little Sturgeon Bay was considered by all the fishermen of our territory as the greatest black bass spawning grounds in the world--- now it has become so stagnant (due to the low water) that very few bass are found there."



7-14-29

A-31

PHOTOGRAPH NUMBER A-32.

DATE TAKEN July 14, 1929.

LOCATION: Snake Island, Door County, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: On the south east shore line of Snake Island looking S. E. to the mainland. (Snake Island is a small island north west of the mainland or peninsula located between Sand Bay and Riley's Bay, all located north east of Little Sturgeon Bay)

Pictures A-32 to A-38 were all taken around Snake Island.

PICTURE SHOWS: A view of the high water between Snake Island and the mainland; and a general view of the extreme end of the mainland or peninsula; a glimpse of Sand Bay on the extreme left; and a larger view of Riley's Bay on the extreme right of the picture.

REFERENCE TO TESTIMONY:

Judge Henry Graass,- pp. 1016, 1022 and 1023.

Judge Graass remembers going in, as a cookee on a tug in 1888 or 1889, to Snake Island off from Little Sturgeon Bay with a raft of logs and protecting the raft in a storm; "You can walk across it now (1926) without getting your feet wet; sometimes it is dry while other times there are 6 and 8 inches of water."



7-14-29

A-32

PHOTOGRAPH NUMBER A-33

DATE TAKEN July 14, 1929.

LOCATION: Snake Island, Door County, Wis.
See. U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: On the south east shore line of Snake Island looking S.E. to the mainland. (Snake Island is a small island north west of the mainland or peninsula, located between Sand Bay and Riley's Bay; all located north east of Little Sturgeon Bay).

Pictures A-32 to A-38 were all taken around Snake Island.

PICTURE SHOWS: Bergstrom in a motor boat, with gage which shows a depth of water of 6.5 feet; a view of the extreme end of the mainland; Sand Bay to the left; and a general view of high water conditions between Snake Island and the mainland.

REFERENCE TO TESTIMONY:

Judge Henry Graass, pp. 1016, 1022 and 1023
Judge Graass remembers going in, as a cookee on a tug in 1888 or 1889, to Snake Island off from Little Sturgeon Bay with a raft of logs and protecting the raft in a storm; "you can walk across it now (1926) without getting your feet wet; sometimes it is dry while other times there are 6 and 8 inches of water."



7-14-29

A-33

PHOTOGRAPH NUMBER A-34.

DATE TAKEN: July 14, 1929.

LOCATION: Snake Island, Door County, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: On the south east shore line of Snake Island, looking S. E. to the mainland. (Snake Island is a small island north west of the mainland or peninsula, located between Sand Bay and Riley's Bay; all located north east of Little Sturgeon Bay).

Pictures A-32 to A-38 were all taken around Snake Island.

PICTURE SHOWS: Bergstrom in a motor boat, with gage which shows a depth of water of 7.5 feet; a view of the extreme end of the mainland at the right; Sand Bay to the left behind the motor boat; and a general view of high water conditions between Snake Island and the mainland.

REFERENCE TO TESTIMONY:

Judge Henry Graass,--pp. 1016, 1022 and 1023.
Judge Graass remembers going in, as a cookee on a tug in 1888 or 1889, to Snake Island off from Little Sturgeon Bay with a raft of logs and protecting the raft in a storm; "You can walk across it now (1926) without getting your feet wet; sometimes it is dry while other times there are 6 and 8 inches of water."



7-14-29

A-34



PHOTOGRAPH NUMBER A-36

DATE TAKEN July 14, 1929.

LOCATION: Snake Island, Door County, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: On the south east shore line of Snake Island looking S.E. to the mainland. (Snake Island is a small island northwest of the mainland or peninsula, located between Sand Bay and Riley's Bay; all located north east of Little Sturgeon Bay).

Pictures A-32 to A-38 were all taken around Snake Island.

PICTURE SHOWS: Bergstrom in a motor boat, with gage which shows a depth of water of 7.0 feet; a view of the extreme end of the mainland at the right; Sand Bay back of the motor boat to the left; and a general view of high water conditions between Snake Island and the mainland.

REFERENCE TO TESTIMONY:

Judge Henry Graass, - pp. 1016, 1022 and 1023.

Judge Graass remembers going in, as a cookee on a tug in 1888 or 1889, to Snake Island off from Little Sturgeon Bay with a raft of logs and protecting the raft in a storm; "you can walk across it now (1926) without getting your feet wet; sometimes it is dry while other times there are 6 and 8 inches of water."



7-14-29

A-36

PHOTOGRAPH NUMBER A-37.

DATE TAKEN July 14, 1929.

LOCATION: Snake Island, Door County, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: From the side of the motor boat (shown in pictures A-33 to A-36) as the party was leaving Snake Island and returning to Little Sturgeon Bay. The boat was moving south west.

Pictures A-32 to A-38 were all taken around Snake Island.

PICTURE SHOWS: Snake Island and the general level of the water surrounding it. The pictures A-32 to A-36 were taken from this island at a point near the right of the picture, looking toward the right. The water shown at the right of the picture is that lying between Snake Island and the mainland, more fully shown on A-38.

REFERENCE TO TESTIMONY:

Judge Henry Graass, -pp. 1016, 1022 and 1023.

Judge Graass remembers going in, as a cookee on a tug in 1888 or 1889, to Snake Island off from Little Sturgeon Bay with a raft of logs and protecting the raft in a storm; "you can walk across it now (1926) without getting your feet wet; sometimes it is dry while other times there are 6 and 8 inches of water."



7-14-29

A-37

PHOTOGRAPH NUMBER A-38

DATE TAKEN July 14, 1929

LOCATION: Snake Island, Door County, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: From the back end of the motor boat (shown in pictures A-33 to A-36), as the party was leaving Snake Island and returning to Little Sturgeon Bay. The boat was moving south west.

Pictures A-32 to A-38 were all taken around Snake Island.

PICTURE SHOWS: Snake Island at the left; the extreme end of the mainland or peninsula at the right; the expanse of water lying between the two areas of land in the center; and the path left by the motor boat in passing thru the water; in the foreground of the picture.

REFERENCE TO TESTIMONY:

Judge Henry Graass, -pp. 1016, 1022 and 1023.

Judge Graass remembers going in, as a cookee on a tug in 1888 or 1889, to Snake Island off from Little Sturgeon Bay with a raft of logs and protecting the raft in a storm; "you can walk across it now (1926) without getting your feet wet; sometimes it is dry while other times there are 6 and 8 inches of water."



7-14-29

A-38



PHOTOGRAPH NUMBER: A-1

DATE TAKEN: July 11, 1929.

LOCATION: Green Bay, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: At Bay View Beach Park at the foot of Irwin Ave.,
and about 200 feet east of the Pavilion, looking N. E. to
the bath house.

Pictures A-1 to A-6 were taken in this locality.

PICTURE SHOWS: The rear view of the Bay View Beach Park Bath House;
the high water surrounding the building; and the temporary walk
erected to reach the bath house because of the high water.

~~_____~~

REFERENCE TO TESTIMONY:

Judge Henry Graess, pp. 1016 to 1017.

"The city maintains a municipal bathing beach down here (indicating)
on which they spent many thousands of dollars and this water also
becomes stagnant at the bathing beach (due to the recession of the
water) it can no longer be purified by the action of the elements,
the waves and tides."



7-11-29

A-1

PHOTOGRAPH NUMBER: A-2

DATE TAKEN: July 11, 1929.

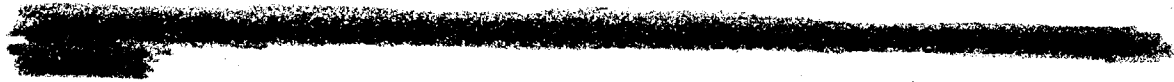
LOCATION: Green Bay, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: At Bay View Beach Park on north end of walk leading from bath house to dock line, looking N. W. along the dock line.

Pictures A-1 to A-6 were taken in this locality.

PICTURE SHOWS: A general view looking west along Bay View Beach Park; the dock line, almost submerged by the high water; and the flooded condition of the park.



REFERENCE TO TESTIMONY:

Judge Henry Graess, pp. 1016 to 1017.

"The city maintains a municipal bathing beach down here (indicating) on which they spent many thousands of dollars, and this water also becomes stagnant at the bathing beach (due to the recession of the water) it can no longer be purified by the action of the elements, the waves and the tides."



7-11-29

A-2

PHOTOGRAPH NUMBER: A-3

DATE TAKEN: July 11, 1929.

LOCATION: ^{N.E.} Green Bay, Wis.
See Lake Survey Chart No. 72.

PICTURE TAKEN: At Bay View Beach Park on the walk in front of the bath house looking N. E. over Green Bay.

Pictures A-1 to A-6 were taken in this locality.

PICTURE SHOWS: The waters of Green Bay at the top, the dock wall in the center, and flooded conditions behind the dock wall at the bottom of the picture.

The bathing beach is ~~in~~ the region indicated by the boy with the gage which shows 6.5 feet of water. ~~_____~~
~~_____~~
~~_____~~

REFERENCE TO TESTIMONY:

Judge Henry Graess, pp. 1016 to 1017.

"The city maintains a municipal bathing beach down here (indicating) on which they spent many thousands of dollars, and this water also becomes stagnant at the bathing beach (due to the recession of the water) it can no longer be purified by the action of the elements, the waves and the tides."



7-11-29

A-3

PHOTOGRAPH NUMBER: A-4

DATE TAKEN: July 11, 1929.

LOCATION: Green Bay Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: At Bay View Beach Park, at the foot of Irwin Avenue, from the walk in front of the bath house, looking N. E. over the area in front of the bath house.

Pictures A-1 to A-6 were taken in this locality.

PICTURE SHOWS: The high water in the front yard between the bath house shown at the right and the dock line wall at the left shown on A-3.

~~_____~~
~~_____~~
~~_____~~ The slide in the center of the picture can not be used on account of high water, because the end extends 10 feet out into the water.

REFERENCE TO TESTIMONY:

Judge Henry Graess, pp. 1016 to 1017.

"the city maintains a municipal bathing beach down here (indicating) on which they spent many thousands of dollars, and this water also becomes stagnant at the bathing beach (due to the recession of the water) it can no longer be purified by the action of the elements, the waves and the tides."



-7-11-29

A-4

PHOTOGRAPH NUMBER: A-5

DATE TAKEN: July 11, 1929.

LOCATION: Green Bay, Wis.

See U. S. Lake Survey Chart No. 72

PICTURE TAKEN: On the concrete walk at the north end of Irwin Ave. in Bay View Beach Park looking N. E. toward Green Bay.

Pictures A-1 to A-6 were taken in this locality.

PICTURE SHOWS: Green Bay at the top, the dock line wall in the center, and part of Bay View Beach Park at the bottom of the picture.

High water has spread over the park back of the dock wall, and a sign "Danger Deep Water" has been placed on the dock wall.



7-11-29

A-5

PHOTOGRAPH NUMBER: A-6

DATE TAKEN: July 11, 1929.

LOCATION: Green Bay, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: Near the dock line wall at the north end of
Irwin Ave. in Bay View Beach Park, looking W. over Green
Bay.

Pictures A-1 to A-6 were taken in this locality.

PICTURE SHOWS: The flooded conditions back of the dock wall,
a sign "Danger Deep Water" on the dock wall, and Lergstrom
and Rhoads standing at a light pole in the park.



7-11-29

AL

PHOTOGRAPH NUMBER: A-7

DATE TAKEN: JULY 11, 1929.

LOCATION: Green Bay Region, Wis.

See U. S. Lake Survey Chart No. 72

PICTURE TAKEN: At the west shore line of Green Bay northwest of Long Tail Point at the north end of a subdivision known as Rassmusen Long Tail Beach looking S. E. from a point in front of the Lopas Cottage.

Pictures A-7 to A-12 were taken in this locality.

PICTURE SHOWS: The high water conditions along the shore line; the wild rice growing in abundance; Rhoads pointing to a boat house that has been condemned because of the high water; and at the extreme right Long Tail Point with a lighthouse and the lighthouse keeper's home.

REFERENCE TO TESTIMONY:

Judge Henry Graass, pp. 1017 to 1018.

"--now you can drive an auto from the shore line out to Tail Point and where the rice beds were is now dry land and the rice beds have disappeared."



7-11-29

A-7

PHOTOGRAPH NUMBER: A-8

DATE TAKEN: July 11, 1929.

LOCATION: Green Bay Region, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: Along the west shore line of Green Bay, north west of Long Tail Point, at a subdivision known as Rasmussen Long Tail Beach, looking S. E. from the end of the dock in front of the Carl Jones Cottage.

Pictures A-7 to A-12 were taken in this locality.

PICTURE SHOWS: A general view of the water conditions along the shore line; two boat houses that have been weakened by the high water; beds of wild rice in the foreground; and at the top and right of the picture Long Tail Point with a lighthouse and the keeper's residence.

REFERENCE TO TESTIMONY:

Judge Henry Graass, pp. 1017 to 1018.

"---now you can drive an auto from the shore line out to Tail Point and where the rice beds were is now dry land and the rice beds have disappeared."



7-11-29

A-8



PHOTOGRAPH NUMBER: A-9

DATE TAKEN: July 11, 1929.


LOCATION: Green Bay Region, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: Along the west shore line of Green Bay, northwest of Long Tail Point, at a subdivision known as Rasmussen Long Tail Beach, looking E. from the Cottage of Carl Jones.

Pictures A-7 to A-12 were taken in this locality.

PICTURE SHOWS: High water conditions in the yard in front of the Carl Jones Cottage; Rhoads, Bergstrom and Mr. Jones on the end of a temporary dock; a swing that can not be used; two boat houses that have been weakened by the high water; beds of wild rice in the foreground; and Long Tail Point in the distance.



REFERENCES TO TESTIMONY:

Judge Henry Graass, pp. 1017 to 1018.

"---now you can drive an auto from the shore line out to Tail Point, and where the rice beds were is now dry land and the rice beds have disappeared."



7-11-29

A-9

PHOTOGRAPH NUMBER: A-10


DATE TAKEN: July 11, 1929.

LOCATION: Green Bay Region, Wis.
See U. S. Lake Survey Chart, No. 72.

PICTURE TAKEN: Along the west shore line of Green Bay, northwest of Long Tail Point, at a subdivision known as Rassmussen Long Tail Beach, looking N. E. from the cottage of Carl Jones.

Pictures A-7 to A-12 were taken in this locality.

PICTURE SHOWS: High water conditions in front of the Carl Jones Cottage; Mrs. Jones in a row boat near the end of the dock; extensive areas of wild rice; and a group of trees out on the horizon at the left of the picture.



REFERENCE TO TESTIMONY:

Judge Henry Graass, pp. 1017 to 1018.

"---now you can drive an auto from the shore line out to Tail Point and where the rice beds were is now dry land and the rice beds have disappeared."



7-11-29

A-10



PHOTOGRAPH NUMBER: A-11

DATE TAKEN: July 11, 1929.

LOCATION: Green Bay Region, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: Along the west shore line of Green Bay, northwest of Long Tail Point, at a subdivision known as Rasmussen Long Tail Beach, from a point in the roadway, looking S. E. toward Green Bay.

Pictures A-7 to A-12 were taken in this locality.

PICTURE SHOWS: High water spread over the front yard and entirely surrounding two cottages; boats tied in the front yard and to the cottage; the boathouse submerged with no means of access; and the water extending right up to the road.

In the left background can be seen Long Tail Point, with a lighthouse and the keeper's residence.

REFERENCE TO TESTIMONY:

Judge Henry Graass, pp. 1017 to 1018.

"---now you can drive an auto from the shore line out to Tail Point and where the rice beds were is now dry land and the rice beds have disappeared."



7-11-29

A-11

PHOTOGRAPH NUMBER: A-12

DATE TAKEN: July 11, 1929.

LOCATION: Green Bay Region, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: Along the west shore line of Green Bay, northwest of Long Tail Point, at a subdivision known as Rassmusen Long Tail Beach, from a point in the roadway, looking E. toward Green Bay.

Pictures A-7 to A-12 were taken in this locality.

PICTURE SHOWS: [REDACTED]

REFERENCE TO TESTIMONY:

Judge Henry Graass, pp. 1017 to 1018.

"---now you can drive an auto from the shore line out to Tail Point and where the rice beds were is now dry land and the rice beds have disappeared."



7-11-29

A-12

PHOTOGRAPH NUMBER: A-13

DATE TAKEN: July 12, 1929.

LOCATION: Pensaukee River Region, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: On west shore of Green Bay about two miles south of the Pensaukee River on the property of Mr. M. P. Sawyer. Mr. Sawyer's house burned down recently and the picture was taken directly in front of the ruins, looking E. to Green Bay.

Pictures A-13 to A-15 were taken in Mr. Sawyer's yard.

PICTURE SHOWS: High water in the front yard (about 42 feet from the foundation of the house to the edge of the water); the boat house, now converted into a living room, with chimney at the left; Rhoads standing on logs in front of boat house; row boat and float with dummy out in the water; Bergstrom in the water with gage showing depth as 1.5 feet; and wild rice and trees in the water.

The location of a ditch from the boat house to the float with the dummy can be seen by the absence of grass in the water.

REFERENCE TO TESTIMONY:

M. P. Sawyer, - pp. 1281-2, 1284-7, and 1290-1
Mr. Sawyer built a boathouse at the water's edge in 1917 and this last year (1926) had to dynamite a ditch 10 ft. wide, 3 to 4 ft. deep at the docks, and 375 yards long to the present edge of the water.



7-12-29

A-13

PHOTOGRAPH NUMBER: A-14

DATE TAKEN: July 12, 1929.

LOCATION: Pensaukee River Region, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: On the west shore of Green Bay about two miles south of the Pensaukee River on the property of Mr. M. P. Sawyer looking N. E. toward Green Bay. The house of Mr. Sawyer burned down recently but measurements taken showed the foundations of the house as 42 feet from the edge of the water.

Pictures A-13 to A-15 were taken in Mr. Sawyer's yard.

PICTURE SHOWS: High water conditions in the front yard of Mr. Sawyer; boat house at the left now converted into a living room with a chimney; Rhoads standing on some logs in front of the boat house; Bergstrom in the water with the gage which shows 1.6 feet of water; a clump of trees in the water; and mud and debris along the shore line.

REFERENCE TO TESTIMONY:

M. P. Sawyer, - pp. 1281-2, 1284-7, and 1290-1.
Mr. Sawyer built a boathouse at the water's edge in 1917 and this last year (1926) had to dynamite a ditch 10 ft. wide, 3 to 4 ft. deep at the docks and 375 yds. long to the present edge of the water.



7-12-29

A-14

PHOTOGRAPH NUMBER: A-15

DATE TAKEN: July 12, 1929.

LOCATION: Pensaukee River Region, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: On the west shore of Green Bay about two miles south of the Pensaukee River on the property of Mr. M. P. Sawyer looking S. E. toward Green Bay. The home of Mr. Sawyer burned down recently but measurements taken showed the foundations of the house as 42 feet from the edge of the water.

Pictures A-13 to A-15 were taken in Mr. Sawyer's yard.

PICTURE SHOWS: High water conditions in front of the home of Mr. Sawyer, with evidence of still higher water; mud, debris, rubbish, old tin, wire, driftwood and scum along the shore line; and wild rice and bushes out in the water.

REFERENCE TO TESTIMONY:

M. P. Sawyer, - pp. 1281-2, 1284-7, and 1290-1.

Mr. Sawyer built a boathouse at the water's edge in 1917 and this last year (1926) had to dynamite a ditch 10 ft. wide, 3 to 4 ft. deep at the docks, and 375 yards long to the present edge of the water.



7-12-29

A-15



PHOTOGRAPH NUMBER: A-16

DATE TAKEN: July 12, 1929.

LOCATION: Pensaukee River, Wis.
See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: Near the mouth of the Pensaukee River on the
weigh scales at the west end of Carp Pond looking E.
toward Green Bay.

Pictures A-16, A-17 and A-18 were taken from the same point.

PICTURE SHOWS: The Pensaukee River at the extreme left; the Carp
Pond at the right; and a ridge of land and a building between
the two bodies of water. The wire fence in the foreground
was built on top of a concrete retaining wall used to enclose
the Carp Pond. ~~the concrete~~ the concrete
wall was 18 inches under water, and the wire fence was built
on top of it to protect the Carp Pond.

REFERENCE TO TESTIMONY:

Mr. M. P. Sawyer, - pp. 1282-3, and 1292.

"We dredged a channel 2800 ft. long" in 1924 to Carp Pond for
the commercial fishermen who have their outfits along the
Pensaukee River in what was formerly the harbor there. "They
have quite an investment there, and they were unable to use
it,--the fishermen never needed any dredging before."



7-12-29

A-16

PHOTOGRAPH NUMBER: A-17

DATE TAKEN: July 12, 1929.

LOCATION: Pensaukee River, Wis.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: Near the mouth of the Pensaukee River, on the weigh scales at the west end of Carp Pond looking S. along the west shore line of Green Bay.

Pictures A-16, A-17 and A-18 were all taken from the same point.

PICTURE SHOWS: The Carp Pond and the wire fence on top of the submerged concrete wall in the foreground; and high water and flooded flats along the west shore of Green Bay in the background. At the extreme left of the picture is shown part of the machinery used in handling the fish and the nets.

REFERENCE TO TESTIMONY:

Mr. M. P. Sawyer, - pp. 1282-3, 1292.

"We dredged a channel 2800 ft. long" in 1924 to Carp Pond for the commercial fishermen who have their outfits along the Pensaukee River in what was formerly the harbor there. "They have quite an investment there, and they were unable to use it.---the fishermen never needed any dredging before."



7-12-29

A-17



PICTURE NUMBER: A-15

DATE TAKEN: July 12, 1929.

LOCATION: Koshong River, Wis.
See U. S. Lake Survey Chart No. 72.

SCENE TAKEN: Near the mouth of the Koshong River, on the
south side at the west end of Carp Pond, looking N. W.
up stream, over the river.

Pictures A-16, A-17 and A-18 were taken from the same
point.

PICTURE SUBJECT: Bergsman on a boat with a stick on the sub-
merged concrete wall 1.5 feet below the water surface;
the dam pond and the wire fence on top of the submerged
concrete wall at the left; a fish house with the floor
covered with water; a wooden crate used to transport fish
in the foreground; and a general view showing high water
conditions up stream, along the Koshong River.

REFERENCE LITERATURE:

Mr. E. P. Sawyer, - pp. 1291-3, and 1292.
"We dredged a channel 2000 ft. long" in 1924 to Carp Pond
for the commercial fishermen who have their outfits along
the Koshong River in what was formerly the harbor there.
"They have quite an investment there, and they were unable
to use it. -- the fishermen never needed any dredging before."



7-18-29

A-18

PHOTOGRAPH NUMBER: A-24

DATE TAKEN: July 12, 1929.

LOCATION: Menominee, Mich.

See U. S. Lake Survey Chart No. 72.

PICTURE TAKEN: At the back end of a vacant lot, on the east side of Sheridan Road, near the shore line of Green Bay, just south of the J. W. Wells Lumber Company, looking N. E. toward Green Bay.

PICTURE SHOWS: The back yard of a private residence extending to the water line; and a general view of the J. W. Wells Lumber Company with the lumber piles at the right end of the yard partly submerged in the high water.

REFERENCE TO TESTIMONY:

M. P. Sawyer, - pp. 1283-4, 1288-9, and 1292-5.

Lowered stages of the water made it necessary for the Central West Company, the Sugar Company, and the J. W. Wells Lumber Company to carry on dredging operations in the last two years (1925 and 1926) to enable them to get their boats to their docks.



7-12-29

A-24

PHOTOGRAPH NUMBER A-60

DATE TAKEN July 17; 1929.

LOCATION: Northport Point, Mich.
See U. S. Lake Survey Chart No. 78.

PICTURE TAKEN: From the bend in the road about 300 feet north of Cedar Lodge, located on the east side of Northport Bay, looking N. E. over grand Traverse Bay.

PICTURE SHOWS: A general view of the shore line, which is the bathing beach for the Point Resorts; Rhoads standing on the water line, which is 45 feet from the stone wall, the end of which is shown at the left of the picture; and the small ornamental bridge, connecting the mainland to the island at the right of the picture.

REFERENCE TO TESTIMONY:

G. M. Dame,-- pp. 1410-11.

In the vicinity of Northport the water is much lower now (1926) than it was ten years ago.



7-17-29

A-60

PHOTOGRAPH NUMBER A-61.

DATE TAKEN July 17, 1929.

LOCATION: Cherry Home, Leelanau County, Mich.

See U. S. Lake Survey Chart No. 78.

PICTURE TAKEN: On wooden platform in front of the cherry canning factory marked "Francis H. Haserot Co." looking S.W. along the shore line of Grand Traverse Bay.

Pictures A-61, A-62 and A63 were all taken around this factory.

PICTURE SHOWS: The remains of the pier extending into Grand Traverse Bay, with piles at the extreme left indicating where the pier probably extended to; Bergstrom on the present end of the pier with gage indicating 4.5 feet from top of plank to top of water; part of the canning factory at the right; and the shore line extending away in the distance.

Pictures A-61 to A-63 refer to Complainant's Exhibit No. 110

REFERENCE TO TESTIMONY:

Mr. G. M. Dame, - p. 1411.

"In 1917, I built a pier on the Cherry Home property, and at the mouth of the Grand Traverse Bay. The planking of that pier at that time was built at exactly 8 feet above the water level,---- At the present time it is 11 feet to the water."



7-17-29

A-61

PHOTOGRAPH NUMBER A-62.

DATE TAKEN July 17, 1929.

LOCATION: Cherry House, Leelanau County, Mich.
See U. S. Lake Survey Chart No. 78.

PICTURE TAKEN: 6 feet inside the building marked "Francis H. Haserot Co." looking S. over the old pier and over Grand Traverse Bay.

Pictures A-61, A-62 and A-63 were all taken around this factory.

PICTURE SHOWS: The remains of the pier ~~extending~~ into the bay, with piles showing beyond; indicating where the pier probably extended to; Rhoads standing on the same spot as in A-63; and part of the building, the beach and the row boat at the right of the picture.

Pictures A-61 to A-63 refer to Complainant's Exhibit No. 110.

REFERENCE TO TESTIMONY:

Mr. G. M. Dame, - p. 1411

"In 1917, I built a pier on the Cherry Home property, and at the mouth of the Grand Traverse Bay. The planking of that pier at that time was built at exactly 8 feet above the water level,--- At the present time it is 11 feet to the water."



7-17-29

A-62

PHOTOGRAPH NUMBER A-63.

DATE TAKEN July 17, 1929.

LOCATION: Cherry Home, Leelanau County, Mich.
See U. S. Lake Survey Chart No. 78.

PICTURE TAKEN: At south end of old pier in front of the cherry canning factory marked "Francis H. Haserot Co." looking N. toward the factory.

Pictures A-61, A-62 and A-63 were all taken around this factory.

PICTURE SHOWS: A general view of the cherry canning factory (which is now idle); the relation of the present water line to the buildings; Rhoads standing on the same spot as in A-62; and Bergstrom standing on the platform at the right of the picture.

Pictures A-61 to A-63 refer to complainant's exhibit No. 110.

REFERENCE TO TESTIMONY:

Mr. G. M. Dame, -p. 1411

"In 1917, I built a pier on the Cherry Home property, and at the mouth of the Grand Traverse Bay. The plank-ing of that pier at that time was built at exactly 8 feet above the water level,--- At the present time it is 11 feet to the water."



7-17-29

A-63

PHOTOGRAPH NUMBER A-64.

DATE TAKEN July 17, 1929.

LOCATION: Northport, Mich.

See U. S. Lake Survey Chart No. 78.

PICTURE TAKEN: On an old boardwalk located just south of the old Ann Arbor Pier in Northport Bay, looking E. over the bay.

Pictures A-63-1 and A-64 were taken in this same locality.

PICTURE SHOWS: A general view of the old Ann Arbor Pier with the warehouse in the distance; Rhoads standing on top of a pile; the old board walk in the center; and a pile of old timbers at the right of the picture. The pier is now being remodeled as indicated by the flat car, and the new track showing at the left of the picture.

REFERENCE TO TESTIMONY:

G. M. Dame, -p. 1412.

The sheetpiling on the Ann Arbor Railroad pier at Northport which the blueprints show was six inches under water when the pier was built are now (1926) two feet and a half out of the water.



7-17-29

A-64



PHOTOGRAPH NUMBER A-70

DATE TAKEN July 19, 1929.

LOCATION: Bay City, Mich.

See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: At the north east corner of the warehouse of W. P. Kavanaugh Fisheries Dock at the foot of Scheurmann St. looking W. and up stream over the Saginaw River.

PICTURE SHOWS: The W. P. Kavanaugh Fisheries Dock and Warehouse at the extreme left; Bergstrom holding the gage on the bottom of the river, water 5.8 feet deep, 7.0 feet deep at other places; 1.7 feet top of dock to water surface;

REFERENCE TO TESTIMONY:

Frank W. Atkins,--pp.1520-21.

"Properties along the river have had to be rebuilt. The underpinning of the docking and the docks are so high that it is hard to handle any freight in the present condition." The commercial fishing companies have had to build out their docks and lower them in spots in order to get out to their boats.



GASOLINE
AT TANK WAGON PRICES

7-19-29

A-70



PHOTOGRAPH NUMBER A-73.

DATE TAKEN July 19, 1929.

LOCATION: Bay City, Mich.

See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: In Wenonah Park at the foot of Center Street,
looking N. along the shore line of the Saginaw River.

Pictures A-73, A-74 and A-75 were taken in this locality.

PICTURE SHOWS: The Saginaw River at the left; Rhoads standing at the water line; part of the lawn in the park; and the Eddy Memorial Building on the right. It is 38 feet from the water line to the vertical face of the bottom concrete step. Last evening our party saw the water surface extending right up to this same step and the debris and dirt on the lawn indicates this high water.



7-19-29

A-73



PHOTOGRAPH NUMBER A-74.

DATE TAKEN July 19, 1929.

LOCATION: Bay City, Mich.

See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: In Wenonah Park, at the foot of Center Street,
in front of the Eddy Memorial Building, looking S.W.
over the Saginaw river.

Pictures A-73, A-74 and A-75 were taken in this locality.

PICTURE SHOWS: Part of Wenonah Park; the present water level
with a tree in the water; dirt and debris on the lawn
from the high water we saw last evening; and Rhoads
holding gage on the city dock indicating water surface
2.8 feet below top of concrete dock.



7-19-29

A-74

PHOTOGRAPH NUMBER: A-75

DATE TAKEN: July 19, 1929.

LOCATION: Bay City, Mich.

See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: In Wenonah Park, at the foot of Sixth Street,
looking S. W. over the Saginaw River.

Pictures A-73, A-74 and A-75 were taken in this locality.

PICTURE SHOWS: The J. Davidsons Ship Yards across the river.

Four large boats and one small tug can be seen in the water. The railroad bridge at Fourteenth Street can be seen in the background, and Bergstrom can be seen standing on the city dock wall in the foreground. The water covered this dock last evening.

REFERENCE TO TESTIMONY:

Frank W. Atkins, - pp. 1518, and 1530-1.

"The water is so low (1926) that they (the shipyard) have been unable to launch boats at the proper time--also, they have had to rebuild their marine railway."



7-19-29

A-75

PHOTOGRAPH NUMBER: A-76

DATE TAKEN: July 19, 1929.

LOCATION: Bay City Region, Mich.

See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: On the beach in front of the Pavilion at Water Works Park, located northwest of Bay City on Saginaw Bay, looking N. W. along the beach.

Pictures A-76 and A-77 were taken in this locality.

PICTURE SHOWS: A general view of the bathing beach at Water Works Park; some visitors, Rhoads, and some bathers; and two electric light poles standing in the water. An attendant stated that these poles were originally placed on the sand beach, but that the recent high water completely surrounded them.

REFERENCE TO TESTIMONY:

Frank W. Atkins, - p. 1523.

Along the west shore of Saginaw Bay for twelve miles from the mouth of the Saginaw River the water has receded so that "we have a bare space now (1926) varying in width from 500 feet to eight or nine hundred feet."



7-19-29

A-76

PHOTOGRAPH NUMBER: A-77

DATE TAKEN: July 19, 1929.

LOCATION: Bay City Region, Mich.
See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: On the beach in front of the Pavilion at Water Works Park, located northwest of Bay City on Saginaw Bay, looking S. E. along the shore line.

Pictures A-76 and A-77 were taken in this locality.

PICTURE SHOWS: The shore line of Saginaw Bay at the left; Bergstrom holding the gage on the concrete structure (wash water outlet for filtration plant) indicating 8.5 feet from top of concrete headwall to water surface; the water filtration plant in the center; and the Pavilion at the right.

REFERENCE TO TESTIMONY:

Frank W. Atkins, - p. 1523.

Along the west coast of Saginaw Bay for twelve miles from the mouth of the Saginaw River the water has receded so that "we have a bare space now (1926) varying in width from 500 feet to eight or nine hundred feet."



7-19-29

A-77

PHOTOGRAPH NUMBER: A-78

DATE TAKEN: July 19, 1929.

LOCATION: Bay City Region, Michigan.

See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: In front of the Pavilion at the Bay City State Park located 6 miles northwest of Bay City on Saginaw Bay, looking N. E. over the bathing beach.

PICTURE SHOWS: Boardwalk leading out to bathing beach; the bathing beach almost completely submerged with very little land left; water surrounding the row of trees and entirely covering the beach at the left of the picture; and the entire area between the beach and the pavilion covered with water.

REFERENCE TO TESTIMONY:

P. J. Hoffmaster, - pp. 2090-91.

At the state park at Bay City the bath house had to be moved out approximately 600 ft. last year due to the exposure of the shore line which was caused by the recession of the water.



7-19-29

A-78

PHOTOGRAPH NUMBER: A-81

DATE TAKEN: July 19, 1929.

LOCATION: Bay City Region, Mich.
See U. S. Survey Chart No. 52.

PICTURE TAKEN: Ten feet from the northwest corner of the bath house at Wenona Beach, located about 4 miles north of Bay City on Saginaw Bay, looking E. along the shore line.

Pictures A-81 and A-82 were taken in this locality.

PICTURE SHOWS: The relation of the water level and shore line with reference to the bath house; Rhoads standing on the water line 12 feet from the lower steps of the bath house; the "Casino" or dance pavilion in the right background; and the dock (also shown in A-82) extending out into the bay at the left.

REFERENCE TO TESTIMONY:

Frank W. Atkins, - p. 1523.

Along the west coast of Saginaw Bay for twelve miles from the mouth of the Saginaw River the water has receded so that "we have a bare space now (1926) varying from 500 feet to eight or nine hundred feet."



7-19-29

A-81

PHOTOGRAPH NUMBER: A-82

DATE TAKEN: July 19, 1929.

LOCATION: Bay City Region, Mich.
See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: 45 feet east of the "Casino" or dance pavilion,
at Wenona Beach, located about 4 miles north of Bay City on
Saginaw Bay, looking N. E. over the dock.

Pictures A-81 and A-82 were taken in this locality.

PICTURE SHOWS: The lawn at Wenona Beach; the dock (also shown
on A-81) extending out into the bay; Bergstrom holding the
gage on the end of the dock; 3.6 feet from the water surface
to top of dock; and Saginaw Bay in the background.

REFERENCE TO TESTIMONY:

Frank W. Atkins, - p. 1523.

Along the west coast of Saginaw Bay for twelve miles from the
mouth of the Saginaw River the water has receded so that "we
have a bare space now (1926) varying in width from 500 feet
to eight or nine hundred feet."



7-19-29

A-82

PHOTOGRAPH NUMBER: A-79

DATE TAKEN: July 19, 1929.

LOCATION: Bay City Region, Mich.
See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: On the shore line at Linwood Beach, located about 9 miles northwest of Bay City on Saginaw Bay, looking N. W. along the shore line.

Pictures A-79 and A-80 were taken in this locality.

PICTURE SHOWS: The same locality as shown on complainant's Exhibit No. 116 taken August 1925, and shows water coming up to within 20 feet of the cottages. The docks are new ones built this year, as the docks shown in Exhibit 116 were all destroyed. The picture was taken in front of Dr. Caty's cottage, one cottage south of "The Leona." In the background can be seen the tree and the retaining wall better shown on A-80.

REFERENCE TO TESTIMONY:

Frank W. Atkins, - pp. 1523-6, and 1536-7.
Complainant's Exhibit No. 116 is a correct representation of the beach as it has been for the past two years (1925 and 1926). The little docks shown on the left of the picture formerly extended out into the water, but now the lake bottom is exposed for from 400 to 800 ft. from shore.



7-19-29

A-79

PHOTOGRAPH NUMBER: A-80

DATE TAKEN: July 19, 1929.

LOCATION: Bay City Region, Mich.
See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: On the shore line, at Linwood Beach, located about 9 miles northwest of Bay City on Saginaw Bay looking N. W. along the shore line.

Pictures A-79 and A-80 were taken in this locality.

PICTURE SHOWS: The Antell Cottage with round columns and steps, which is the same cottage shown on Complainant's Exhibit No. 116 taken August 1925. The retaining wall and the tree, on line with the walk can be seen on A-79 and on Exhibit No. 116. The water at this point is about 20 feet from the cottage.

REFERENCE TO TESTIMONY:

Frank W. Atkins, - pp. 1523-6 and 1536-7.
Complainant's Exhibit No. 116 is a correct representation of the beach as it has been for the past two years (1925 and 1926). The little docks shown on the left of the picture formerly extended out into the water, but now the lake bottom is exposed for from 400 to 800 ft. from shore.



7-19-29

A-80

PHOTOGRAPH NUMBER A-68

DATE TAKEN: July 19, 1929.

LOCATION: Bay City, Mich.
See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: At the foot of Langstaff St. along the Saginaw River at the Aetna Portland Cement Co. looking S.W. along the shore line.

Pictures A-68 and A-69 were taken from this same place.

PICTURE SHOWS: The office of the Aetna Portland Cement Co. at the left; the wooden pile dock in the center; ~~the wooden pile dock in the center; and~~ and a general view of the shore line looking upstream along the Saginaw River.

REFERENCE TO TESTIMONY:

E. M. Bunce, - pp. 1615-17.

The average draft of the Aetna Portland Cement Co. boats in the season of 1926 after the government had completed the dredging from their plant to the outer buoy in the Saginaw River channel was 15 feet and 5 inches. They could have carried one-third more cargo if they had had the water.



7-19-29

A-68



PHOTOGRAPH NUMBER A-69

DATE TAKEN July 19, 1929.

LOCATION: Bay City, Mich.

See U. S. Lake Survey Chart No. 52.

PICTURE TAKEN: At the foot of Langstaff Street, along the Saginaw River, at the Aetna Portland Cement Co., looking N.E. along the shore line.

Pictures A-68 and A-69 were taken from this same place.

PICTURE SHOWS: The boat Oscar J. Lingeman being loaded with bulk cement; the wooden pile dock; Rhoads standing on the dock with gage showing water surface 2.3 feet below top of dock; and cement loading equipment and employees cars at the right.

REFERENCE TO TESTIMONY:

E. M. Bunce, - pp. 1615-17.

The average draft of the Aetna-Portland Cement Co. boats in the season of 1926 after the government had completed the dredging from their plant to the outer buoy in the Saginaw River channel was 15 feet and 5 inches. They could have carried one-third more cargo if they had had the water.



7-19-29

A-69

PHOTOGRAPH NUMBER: A-141

DATE TAKEN: July 30, 1929.

LOCATION: Alexandria Bay, New York.
See U. S. Lake Survey Chart No. 15.

PICTURE TAKEN: From the motor boat (shown on A-143) on the South Channel of the St. Lawrence River, about 0.65 miles northwest of the Crossman House, Alexandria Bay, looking S. W. over the St. Lawrence River.

Pictures A-141 and A-142 were taken in this locality.

PICTURE SHOWS: Rhoads and Bergstrom in a row boat; Rhoads holding on to a flag anchored on a rock shoal in the St. Lawrence River; Bergstrom holding the gage on top of the same shoal showing a water depth of 2.7 feet to the top of the shoal. Directly in line with the boat can be seen the Fort Castle on Heart Island, while to the right is the Sunken Rock Light House.

Pictures A-141 to A-145 refer to Complainant's Exhibit No. 131.

REFERENCE TO EVIDENCE:

John T. Taylor, - pp. 1901 to 1904.

"Since I have owned that property the water has gone down 36 to 40 inches." Directly west and north of Taylor's property and dividing the south channel of the St. Lawrence River from the main channel is a shoal which used to be six or eight feet under water, but which is now several inches out of water at two places. It is no longer safe to cross the shoal with boats drawing three feet of water.



7-30-29

A-141

PHOTOGRAPH NUMBER: A-142

DATE TAKEN: July 30, 1929.

LOCATION: Alexandria Bay, New York.
See U. S. Lake Survey Chart No. 15.

PICTURE TAKEN: From the motor boat (shown on A-148) on the South Channel of the St. Lawrence River, about 0.35 miles northwest of the Crossmon House, Alexandria Bay, looking S. W. over the St. Lawrence River.

Pictures A-141 and A-142 were taken in this locality.

PICTURE SHOWS: Rhoads and Bergstrom in a row boat; Bergstrom holding gage on a rock in the water showing depth of water as 3.2 feet. Directly in line with the row boat can be seen the Sunken Rock Light House; to the right is the Boldt Castle on Heart Island, and to the left is Alexandria Bay.

Pictures A-141 to A-145 refer to Complainant's Exhibit No. 131.

REFERENCE TO TESTIMONY:

John B. Taylor, - pp. 1901 to 1904.

"Since I have owned that property the water has gone down 36 to 40 inches." Directly west and north of Taylor's property and dividing the south channel of the St. Lawrence River from the main channel is a shoal which used to be six or eight feet under water but which is now several inches out of water at two places. It is no longer safe to cross the shoal with boats drawing three feet of water.



PHOTOGRAPH NUMBER: A-143

DATE TAKEN: July 30, 1929.

LOCATION: Alexandria Bay, New York.
See U. S. Lake Survey Chart No. 15.

PICTURE TAKEN: From the motor boat (shown on A-148) on Carnegie Bay, located about one mile northeast of Alexandria Bay, looking W. over the Bay.

Pictures A-143 to A-145 were taken in this locality.

PICTURE SHOWS: A view of the boathouse located on Carnegie Bay and owned by Mr. John B. Taylor; Bergstrom on dock of boat house which is practically level with the water surface, holding gage on bottom of bay, showing a depth of water at this point of 8.2 feet. The top of dock is 4.2 feet below the window ledge of the east window of the boathouse.

Pictures A-141 to A-146 refer to complainant's Exhibit No. 131.

REFERENCE TO TESTIMONY:

John B. Taylor, - pp. 1900-01 and 1907.

"The boathouse proper (on Carnegie Bay) has been constructed for about fifteen years, and I added an addition to it three years ago (1923).--Since I have owned that property the water has gone down ~~to~~ 36 to 40 inches."



7-30-29

A-143

PHOTOGRAPH NUMBER: A-144.

DATE TAKEN: July 30, 1929.

LOCATION: Alexandria Bay, New York.
See U. S. Lake Survey Chart No. 15.

PICTURE TAKEN: From motor boat (shown on A-148) on the South Channel of the St. Lawrence River in front of the property of John B. Taylor, located about 0.75 miles northeast of Alexandria Bay, looking S. E. into Dick's Bay.

Pictures A-143 to A-145 were taken in this locality.

PICTURE SHOWS: A general view of the home of John B. Taylor; the dock in front of his property, about 2.0 feet above water; electric light poles on the dock; and Dick's Bay at the left;

Pictures A-141 to A-145 refer to Complainant's Exhibit No. 131.

REFERENCE TO TESTIMONY:

John B. Taylor, - pp. 1900-01 and 1904-5.

"Since I have owned that property the water has gone down 36 to 40 inches. -- It has placed the dock so far out of water now that it is unusable from a small boat."



7-30-29

A-144



PHOTOGRAPH NUMBER: A-145

DATE TAKEN: July 30, 1929.

LOCATION: Alexandria Bay, New York.
See U. S. Lake Survey Chart No. 15.

PICTURE TAKEN: From the motorboat (shown on A-148) on the South Channel of the St. Lawrence River in front of the property of John B. Taylor, located about 0.75 miles northeast of Alexandria Bay, looking S. W. along the shore line.

Pictures A-143 to A-145 were taken in this locality.

PICTURE SHOWS: A general view of the home of John B. Taylor; the dock in front of his property; part of Dick's Bay at the left where the concrete dock is about 0.5 feet above the water surface; and the electric light poles around the entire dock.

Pictures A-141 to A-145 refer to Complainant's Exhibit No. 131.

REFERENCE TO TESTIMONY:

John B. Taylor, - pp. 1900-01 and 1904-5.
"Since I have owned that property the water has gone down 36 to 40 inches. -- It has placed the dock so far out of water now that it is unusable from a small boat."



7-30-29

A-145

