Correspondence re: Recent stream intrusion by Amy Thwaites. 1931

Address reply to
The District Engineer,
U. S. Lake Survey Office,
Old Custom House,
Detroit, Mich.

WAR DEPARTMENT FGR:K
UNITED STATES LAKE SURVEY OFFICE
OLD CUSTOM HOUSE
DETROIT, MICH.

Refer to File No. WL 4/237

June 24, 1931.

Mr. F. T. Thwaites,
Dept. of Geology,
University of Wisconsin,
Madison, Wis.

Dear Sir:

In reference to your letter of June 19 there is furnished herewith a tabulation of maximum water-levels at Milwaukee, Wis. for each month of 1925 to 1929 inclusive. These are the highest stages recorded on the continuous graphic record of the gage. The pipe in which the gage float operates dampens out any wave action so that crests of waves are not recorded.

The maximum stage listed for October, 1929 is not known to be the extreme as there was a short period immediately following this high when the gage was out of commission.

For and in the absence of the District Engineer:

Very truly,

F. G. Ray,
Principal Engineer.

1 Inclos.

MAXIMUM WATER LEVELS OF LAKE MICHIGAN AT MILWAUKEE, WIS.
1925 - 1929

	1925	1926	1927	1928	1929
January	578.95	578.00	578.87	579.45	581.49
February	578.92	578.13	578.95	579.38	581.25
March	579.42	578.51	579.79	580.00	582.10
April	579.84	578.72	580.25	580.35	582.37
May	579.50	578.93	580.96	580.81	582.90
June	579.66	579.42	580.28	581.18	583.35
July	579.37	579.31	580.55	581.32	582.94
August	578.93	579.36	579.90	581.43	582.77
September	579.38	579.57	579.94	581.38	582.39
October	578.55	579.15	580.14	581.16	583.43+
November	578.32	579.23	580.03	581.69	582.07
December	578.47	579.22	580.06	581.45	581.87

June 19, 1931

WL 4/1257

United States Lake Survey Office,
Old Custom House,
Detroit, Michigan.

Gentlemen:

I am in receipt of your kind letter of June 3 and wish to thank you for the information contained therein. I now find that I need the maximum levels of Lake Michigan per month for the period extending from May 3, 1925 through May 26, 1929. If this information is published, kindly refer me to the source and I will look it up in our library.

Yours very truly,

FTT-T

F.T.Thwaites, Lecturer in Geology

6-4-31

Address reply to
The District Engineer,
U. S. Lake Survey Office,
Old Custom House,
Detroit, Mich.

Refer to File No. WL 4/1237

WAR DEPARTMENT FGR:K
UNITED STATES LAKE SURVEY OFFICE
OLD CUSTOM HOUSE
DETROIT, MICH.

June 3, 1931.

Mr. F. T. Thwaites,
Department of Geology,
University of Wisconsin,
Madison, Wis.

Dear Sir:

In reply to your letter of June 1, you are informed that the daily mean levels of Lake Michigan at Milwaukee, Wis. on the dates named were as follows:

June 27, 1925 - 578.64
May 20, 1927 - 579.29
May 19, 1928 - 580.08
May 26, 1929 - 582.38

Very truly,

James W. Bagley

James W. Bagley,
Major, Corps of Engineers,
District Engineer.

June 1, 1931

U. S. Lake Survey,
Old Custom House,
Detroit, Michigan.

Gentlemen:

In writing a paper on shore line changes at Two Creeks, Wisconsin, I find that I need the levels of Lake Michigan for the following dates:

June 27, 1925
May 20, 1927
May 12, 1928
May 26, 1929

Any information that you can give me will be much appreciated.

Yours very truly,

FTT-T

Lecturer in geology

UNITED STATES DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
Green Bay, Wis.

June 8, 1931.

Mr. F. T. Thwaites,
University of Wisconsin,
Madison, Wisconsin.

Sir:

In compliance with the request contained in your letter of June 5th., relative to dates of high winds from the northeast to southeast during the years 1929-1930, I am tabulating below all winds over 33 miles recorded at this station between the dates mentioned in your letter.

Velocity	Direction	Date
33	West	June 1, 1928
35	South	June 13, 1928
34	South	July 2, 1928
34	Northwest	July 22, 1928
34	South	Sep. 14, 1928
33	Northwest	Octover 24, 1928
42	Southwest	Nov. 15, 1928
36	Northeast	Nov. 17, 1928
36	Southwest	Jan. 22, 1929
34	Southwest	Jan 25, 1929
42	Northwest	Mar. 6, 1929
34	West	Mar. 7, 1929
34	West	Mar. 27, 1929
44	Northeast	Mar. 31, 1929
48	Northeast	Apr. 1, 1929
36	Northeast	Apr. 5, 1929
33	Southwest	May 15, 1929

Respectfully,

Fred Cone

Fred Cone,
Jr. Met'l.

June 5, 1931

U. S. Weather Bureau,
Green Bay, Wisconsin.

Gentlemen:

In connection with some studies of a shore line change near Two Creeks, Wisconsin I would like to know the dates between May 19, 1928 and May 26, 1929 that there were northeast to southeast winds on Lake Michigan with a velocity over 36 miles per hour. I believe that you make a special record of winds above that figure. If this is not the correct figure, please give those winds of which special note is made.

Yours very truly,

FTT-T

Lecturer in geology

UNITED STATES DEPARTMENT OF AGRICULTURE
WEATHER BUREAU
MILWAUKEE, WIS.

June 9, 1931.

Mr. F. T. Thwaites,
Department of Geology,
University of Wisconsin,
Madison, Wis.

Dear Sir:

In reply to your inquiry of June 5, 1931, you are advised that we index all winds of 33 miles per hour, or over. Such velocities from the northeast, east or southeast were recorded on the following dates.

1928	1929
June 17	January 22
December 2	January 24
December 3	March 31
December 13	April 10
	April 24.

Respectfully,

F. H. Coleman

F. H. Coleman,
Meteorologist.

June 5, 1931

U. S. Weather Bureau,
Milwaukee, Wisconsin.

Gentlemen:

In connection with some studies of a shore line change near Two Creeks, Wisconsin I would like to know the dates between May 19, 1928 and May 26, 1929 that there were northeast to southeast winds on Lake Michigan with a velocity over 36 miles per hour. I believe that you make a special record of winds above that figure. If this is not the correct figure, please give those winds of which special note is made.

Yours very truly,

FTT-T

Lecturer in geology

The University of Chicago

The Journal of Geology

EDITORIAL OFFICE

July 25, 1931

Dr. F. T. Thwaites,
Geology Department,
University of Wisconsin,
Madison, Wisconsin.

Dear Dr. Thwaites:

I have received the manuscript on "Recent Stream Intercision" by Mrs. Thwaites which you kindly offered to the Journal of Geology. Just at present we are swamped with a large amount of material awaiting publication as I found about a dozen manuscripts awaiting me upon my return from the field this week. Space in the immediate future is likely to be quite a problem, but if we can get everything on two pages, I think we shall try to work in this manuscript. If we cannot get all these illustrations on two pages, I think we can do so by omitting Figure 2 or Figure 3 which are intermediate stages in the process. The tracing from which the ~~blg~~ blue print is made will reproduce better than the blue print and we shall prefer to use it.

which is better to leave in fig 2 or 3?

Sincerely yours,

Rollin T. Chamberlin

ROLLIN T. CHAMBERLIN
Editor

July 31, 1931

Dr. Rollin T. Chamberlin, Editor,
Jour. of Geology,
University of Chicago,
Rosenwald Hall,
Chicago, Illinois

Dear Dr. Chamberlin:

In reply to yours of the 25th I am glad to hear that you will be able to publish Mrs. Thwaites' article. The tracing is enclosed herewith. I had a vandyke negative made so that it will not be necessary to preserve it after use for this.

With regard to the figures it would be better to omit Fig. 2 if that is necessary. Personally I would like to see all of them kept if possible even if they are reduced very much for they form a sort of "slow movie" of the process. However, Fig. 2 is the poorest photograph having been taken with Gevert film and could be spared best. I think that the map can be reduced greatly also.

Very truly yours,

Locturer in Geology

July 22, 1931

Journal of Geology,

Rosenwald Hall,

University of Chicago,

Chicago, Illinois

Gentlemen:

Would you be interested in publishing the enclosed paper which was written up by my wife from observations made on field trips with me? I would suggest that the photographs be reduced considerably so that the entire paper could be put on two pages. The subject, although not of profound scientific interest or involving a large scale pphenomenon, seems to always interest students. If you care to publish the paper I can supply the tracing from which the blue print was made. I cannot find that this style of shore line modification is discussed in text books, at least in those I have examined such a Johnson's book on shore lines and Lobeck's panorama.

Very truly yours,

Lecturer in Geology