

DEPARTMENT OF THE INTERIOR

JOHN BARTON PAYNE, Secretary

UNITED STATES GEOLOGICAL SURVEY

GEORGE OTIS SMITH, Director

WATER-SUPPLY PAPER 491

WATER SUPPLY
OF
T. MARY AND MILK RIVERS
1898-1917

BY

B. E. JONES AND R. J. BURLEY

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United States Reclamation Service, and Reclamation
Service of Canada

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A. ST. MARY RIVER NEAR BABB, MONT., LOOKING UPSTREAM.



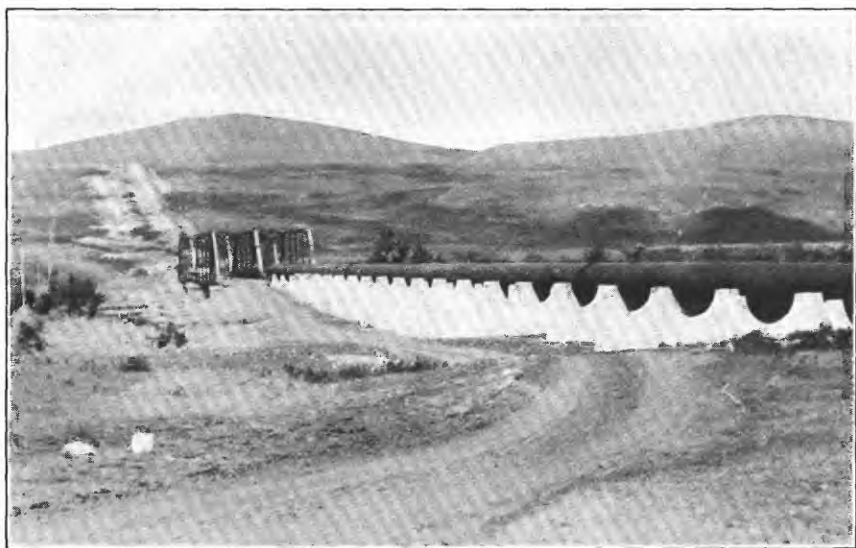
B. GAGING STATION ON ST. MARY RIVER NEAR KIMBALL, ALBERTA, AT INTERNATIONAL BOUNDARY.



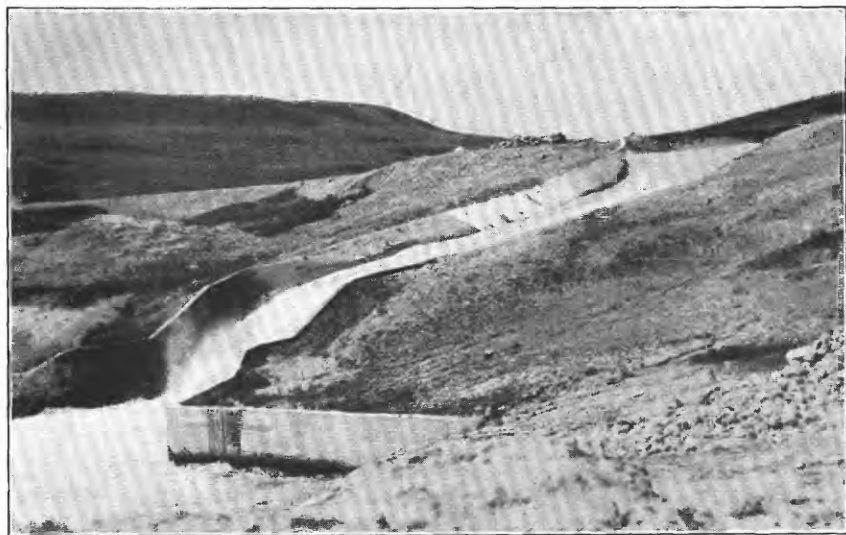
A. GAGING STATION ON SWIFTCURRENT CREEK AT OUTLET OF McDERMOTT LAKE,
MANY GLACIER, MONT.



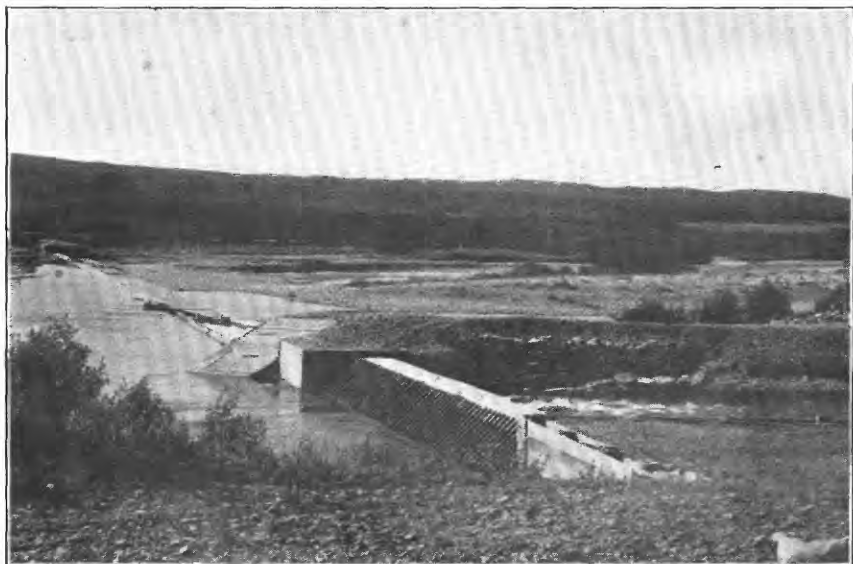
B. GAGING STATION BELOW SHERBURNE DAM ON SWIFTCURRENT CREEK, MONT.



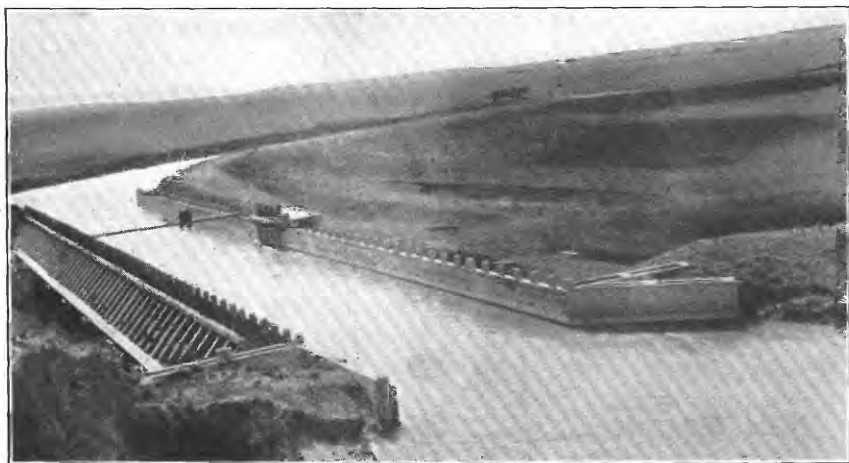
A. UNITED STATES RECLAMATION SERVICE, ST. MARY CANAL. SIPHON CROSSING ST. MARY RIVER.



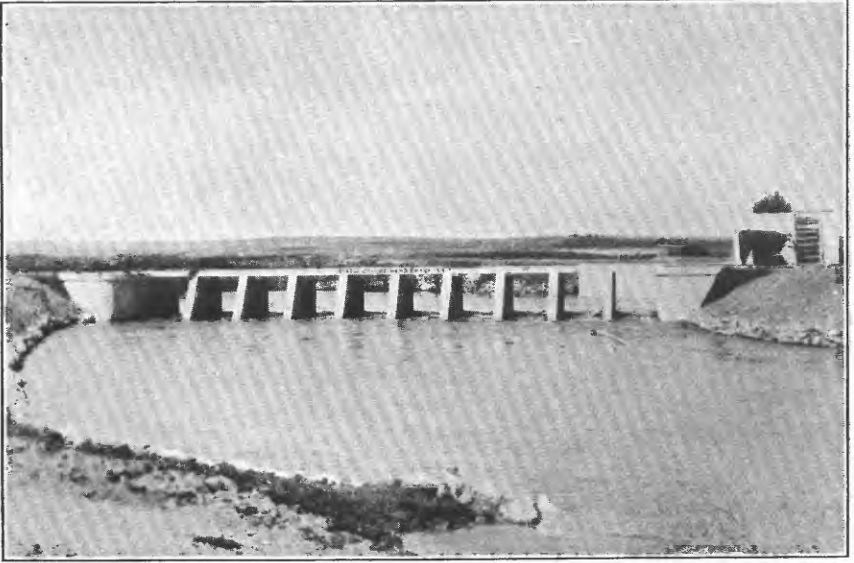
B. UNITED STATES RECLAMATION SERVICE CANAL. DROP NO. 2.



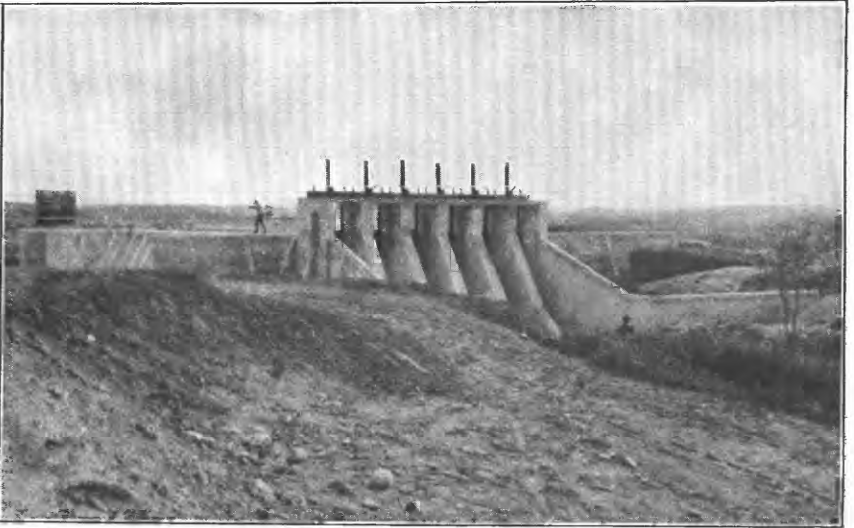
A. ALBERTA RAILWAY & IRRIGATION CO.'S CANAL. INTAKE AND DAM, KIMBALL, ALBERTA.



B. ALBERTA RAILWAY & IRRIGATION CO.'S CANAL. FLUME NO. 2, MAIN CANAL BELOW MAGRATH, ALBERTA.



A. ALBERTA RAILWAY & IRRIGATION CO.'S CANAL. HEAD GATES ON SPRING COULEE.



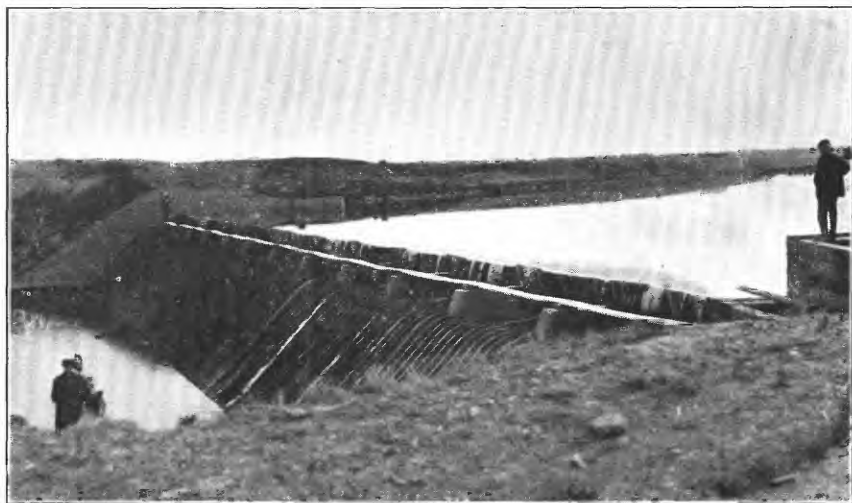
B. ALBERTA RAILWAY & IRRIGATION CO.'S CANAL. WASTE GATES.



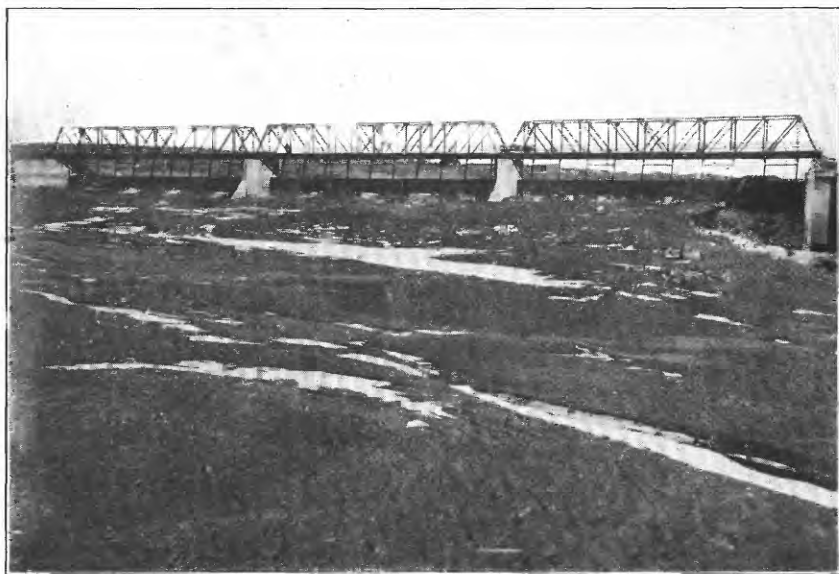
A. GAGING STATION OF CANADIAN RECLAMATION SERVICE ON MILK RIVER,
ALBERTA.



B. INTERNATIONAL GAGING STATION ON MILK RIVER AT EASTERN CROSSING.



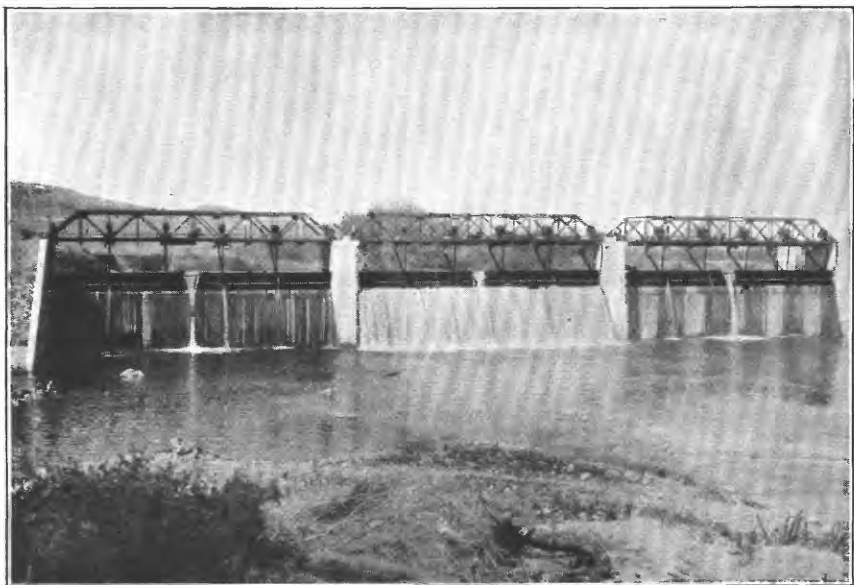
A. DODSON DAM ON MILK RIVER NEAR DODSON, MONT., BETWEEN HAVRE AND MALTA. BEFORE INSTALLATION OF MOVABLE CREST GATES.



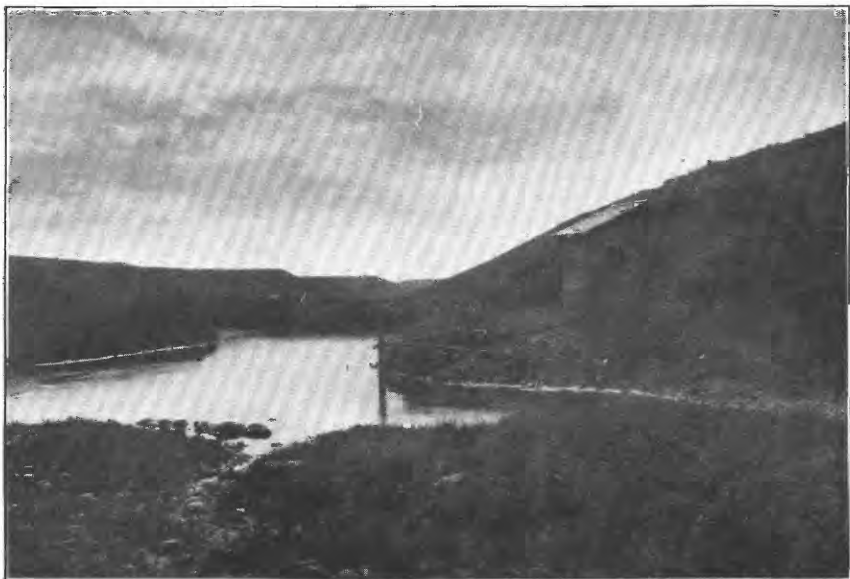
B. DODSON DAM ON MILK RIVER NEAR DODSON, MONT., BETWEEN HAVRE AND MALTA. MOVABLE CREST GATES AND SERVICE BRIDGE IN PLACE.



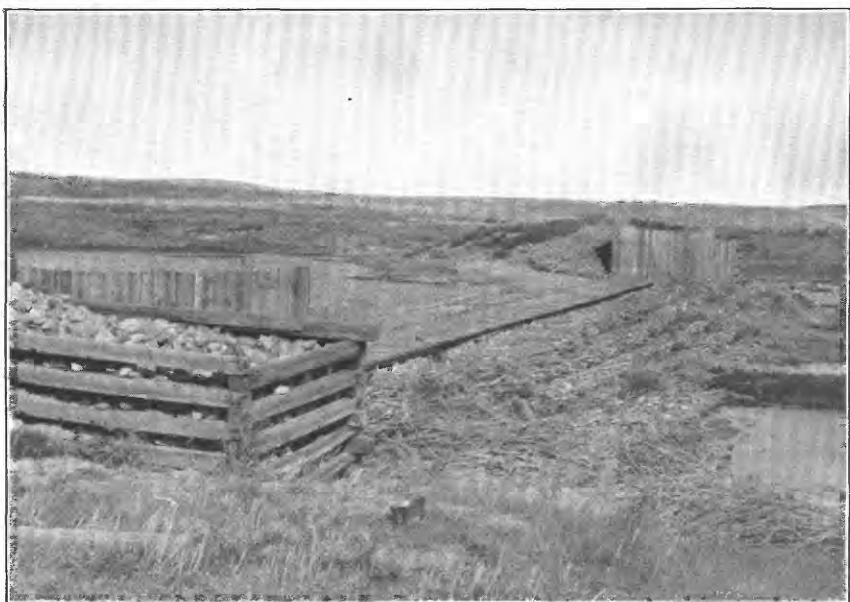
A. VANDALIA DAM OF THE UNITED STATES RECLAMATION SERVICE, VANDALIA, MONT. POOL ABOVE DAM.



B. VANDALIA DAM OF THE UNITED STATES RECLAMATION SERVICE, VANDALIA, MONT. CREST GATES—TWO CLOSED, ONE OPEN.



A. INTERNATIONAL GAGING STATION ON NORTH FORK OF MILK RIVER NEAR INTERNATIONAL BOUNDARY.



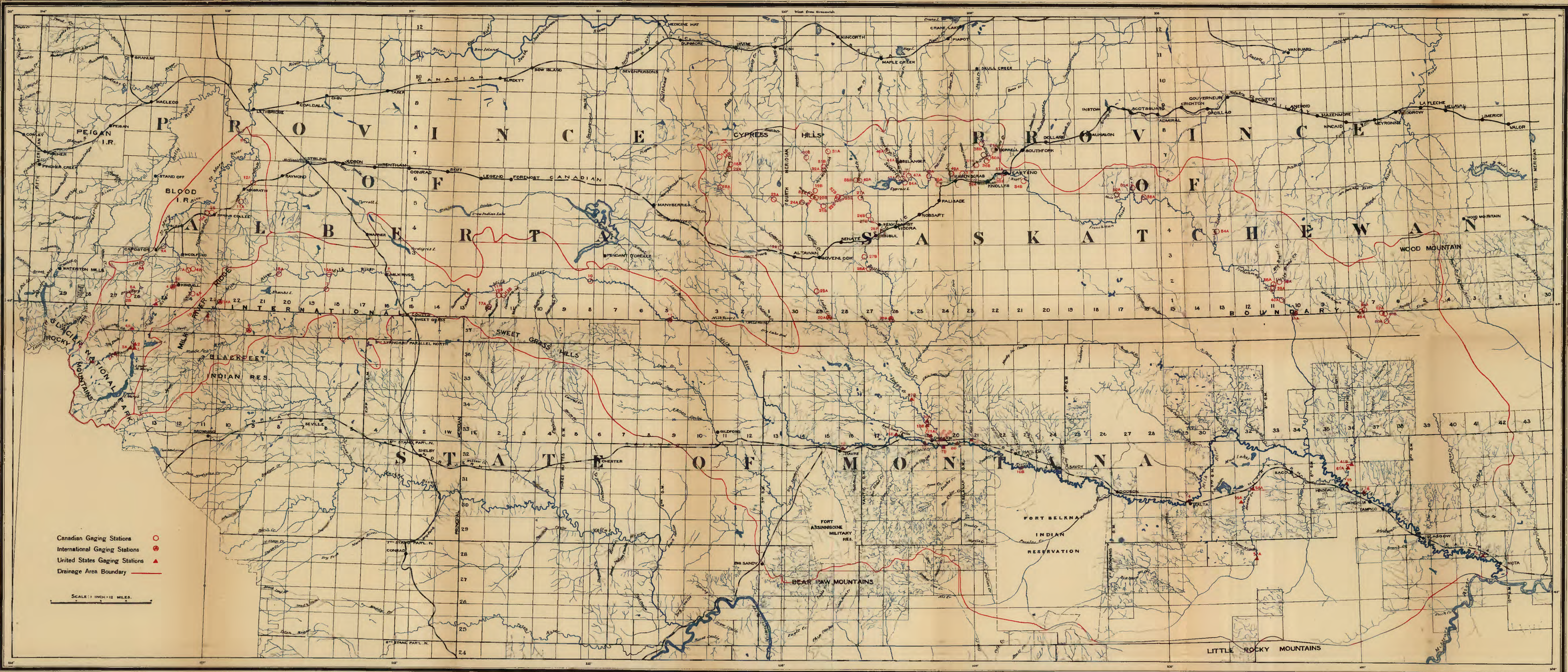
B. NORTH CHINOOK IRRIGATION CO.'S DAM ON LODGE CREEK NEAR CHINOOK, MONT.



A. ENRIGHT & STRONG'S DAM ON FRENCHMAN RIVER NEAR EASTEND,
SASKATCHEWAN.



B. FORT BELKNAP INDIAN DAM FOR AGENCY DITCH, ON MILK RIVER NEAR
HARLEM, MONT.



GAGING STATIONS

ST. MARY RIVER BASIN

No.	Stream or canal.	Location.
1	St. Mary River	Babb, Mont.
2	Babb, Mont.	Babb, Mont.
3	St. Mary River	Cook's ranch, Alta., near international boundary.
4	St. Mary River	Kimball, Alta., near international boundary.
5	St. Mary River	Lehigh, Alta.
1A	Swiftcurrent Creek	Swiftcurrent, Mont.
2A	Swiftcurrent Creek	Sharps Lake, Mont.
3A	Boundary Creek	Babb, Mont.
4A	Kennedy Creek	Babb, Mont.
5A	Boundary Creek	Flower's ranch, Alta.
6A	Rolph Creek	Taylorville, Alta.
7A	Rolph Creek	Kimball, Alta.
8A	Lee Creek	Layton's ranch, Alta.
9A	Lee Creek	Cardston, Alta.
10A	Pinebush Creek	Spring Coulee, Alta.
11A	Pothole Creek	Magrath, Alta.
12A	Pothole Creek, lower station	Magrath, Alta.
13	Potter River, ditch	Hudson Bay divide, near Browning, Mont.
14	U. S. R. S. St. Mary Canal	Kimball, Alta.
15	Alberta Railway & Irrigation Co.'s Canal	Rolph's ranch, Alta.
16	Alberta Railway & Irrigation Co.'s Canal	Spring Coulee, Alta.

MILK RIVER BASIN

No.	Stream or canal.	Location.
6	South Fork of Milk River	International boundary.
7	South Fork of Milk River	Mackin's ranch, Alta.
8	Milk River	Mackin's ranch, Alta.
9	Milk River	Willingdon-Stone, Alta.
10	Milk River	Pendant of Creille, Alta.
11	Milk River	Eastern crossing of international boundary, Mont.
12	Milk River	Havre, Mont.
13	Milk River	Chinook, Mont.
14	Milk River	Malta, Mont.
15	Milk River	Malta, Mont.
16	Milk River	Vandell, Mont.
17	North Fork of Milk River	Browning, Mont.
18	North Fork of Milk River	International boundary.
19	North Fork of Milk River	Knight's ranch, Alta.
20	North Fork of Milk River	Mackin's ranch, Alta.
21	Deer Creek	Dickinson's ranch, Alta.
22	Lodge Creek	Hester's ranch, Alta.
23	Lodge Creek	International boundary, Alta.
24	Thompson Creek	Chinook, Mont.
25	Middle Creek	McKinnon's ranch, Alta.
26	Middle Creek	Hammock's ranch, Sask.
27	Battle Creek	Hammock's ranch, Sask.
28	Battle Creek	Willow's ranch, Sask.
29	Battle Creek	Nash's ranch, Sask.
30	Battle Creek	International boundary, Sask.
31	Battle Creek	Chinook, Mont.
32	Battle Creek	Spangler's ranch, Sask.
33	Battle Creek	Yermie's ranch, Sask.
34	Battle Creek	Belanger, Sask.
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36	Battle Creek	Phillips' ranch, Sask.
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98	Battle Creek	Belanger, Sask.
99	Battle Creek	Belanger, Sask.
100	Battle Creek	Belanger, Sask.

MAP OF ST. MARY AND MILK RIVER DRAINAGE BASINS, SHOWING LOCATION OF GAGING STATIONS

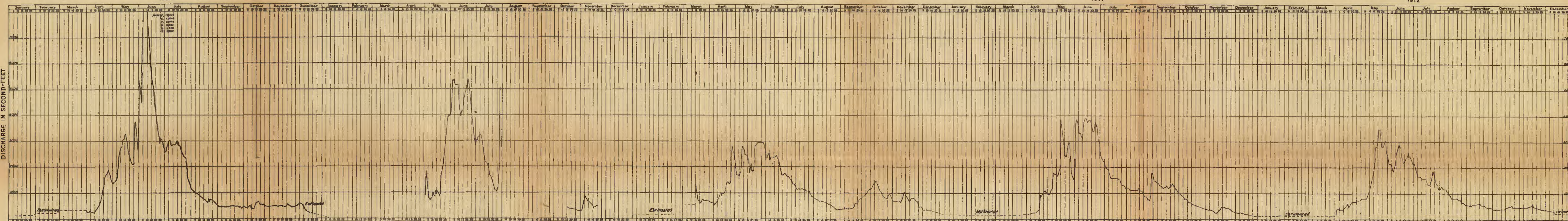
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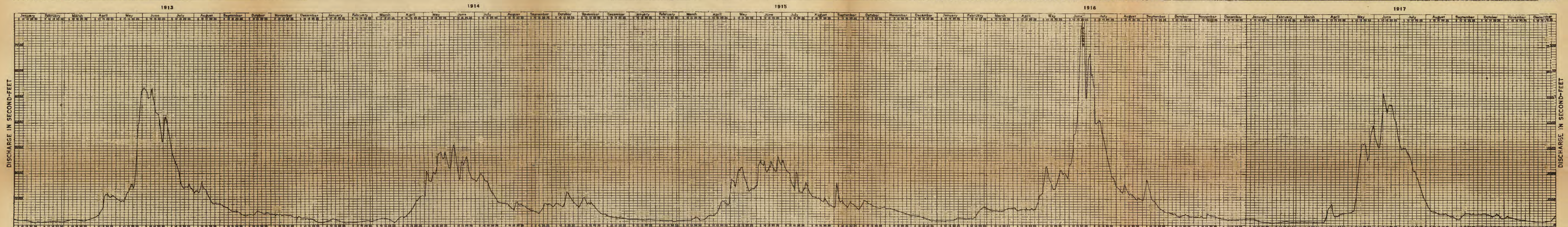
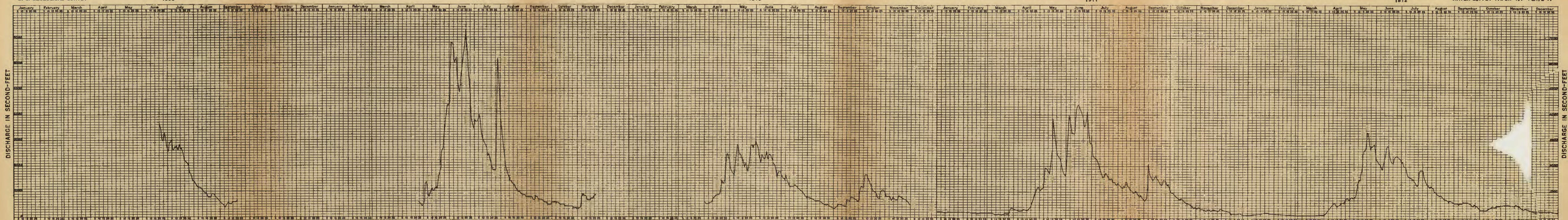
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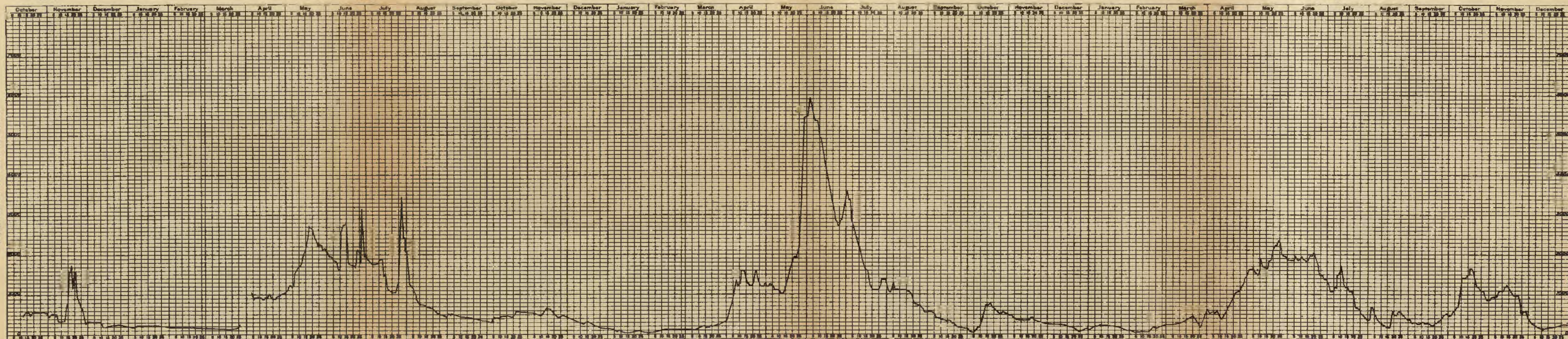
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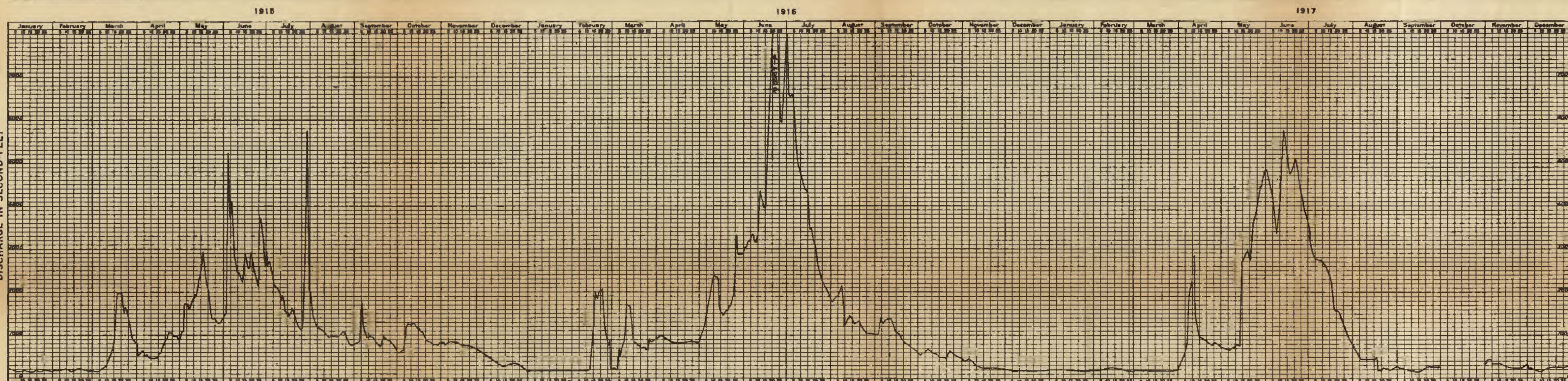


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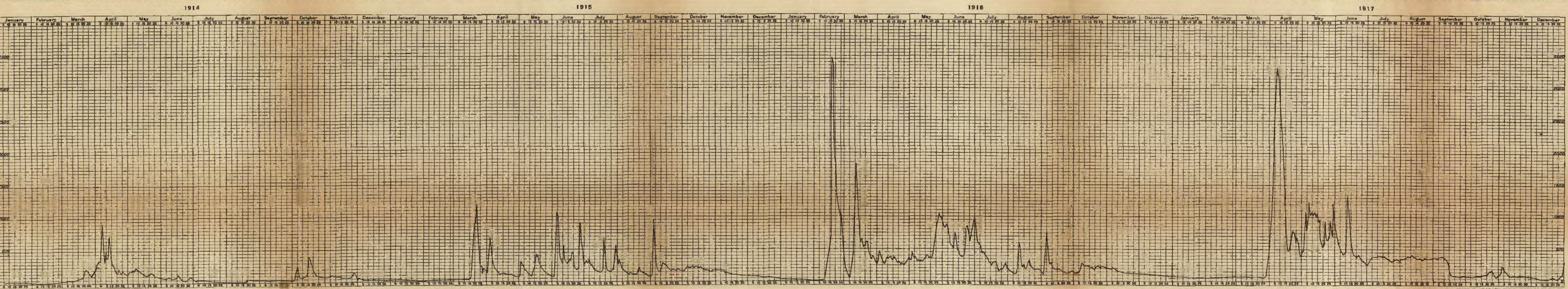
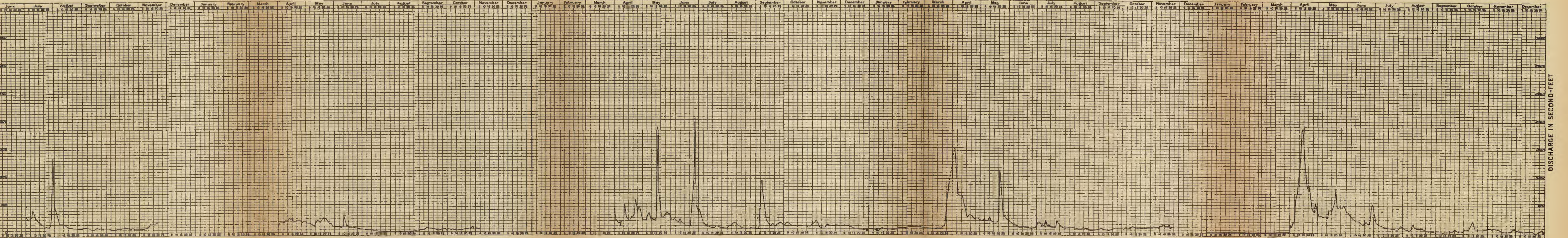


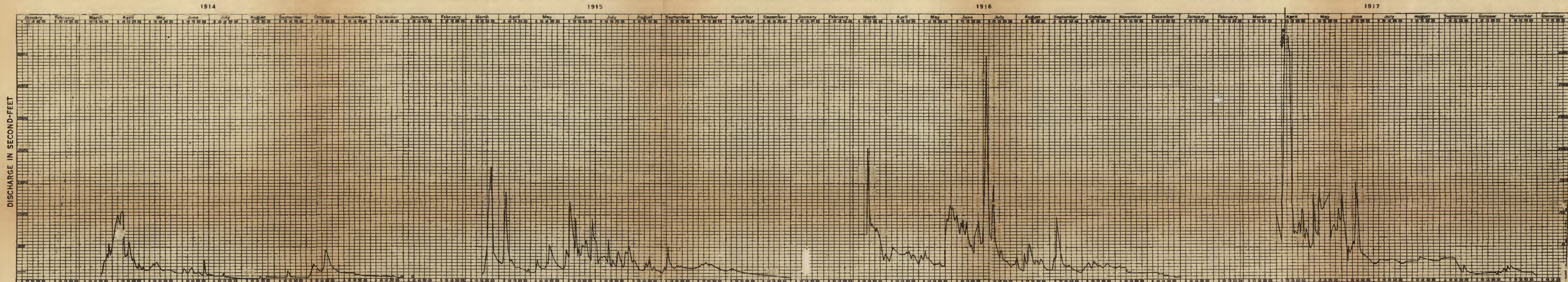
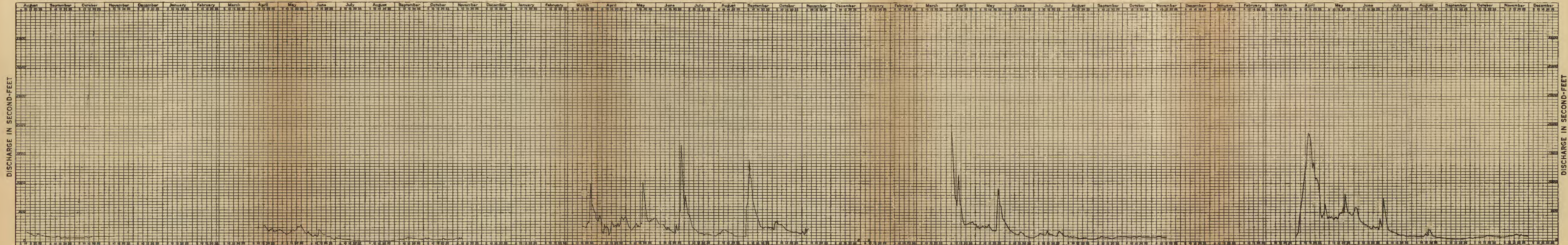
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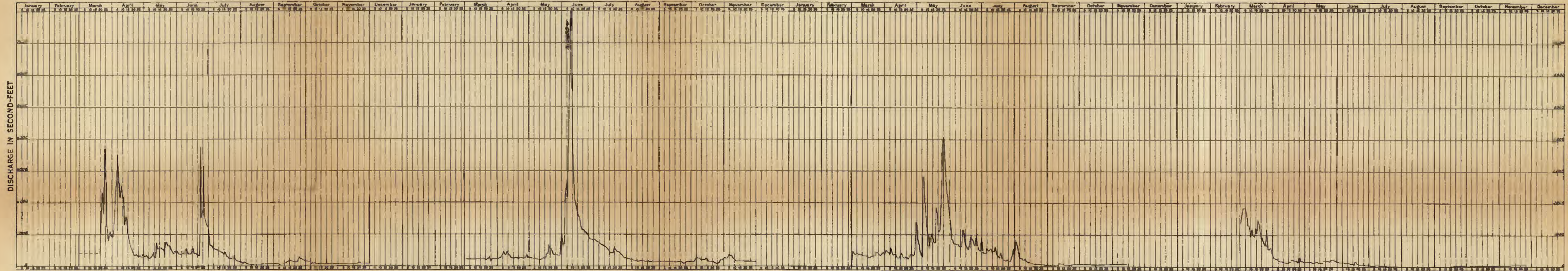
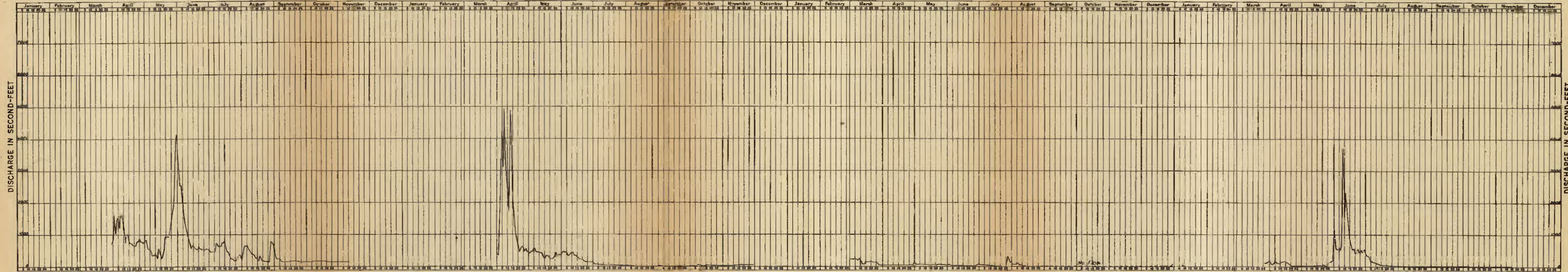
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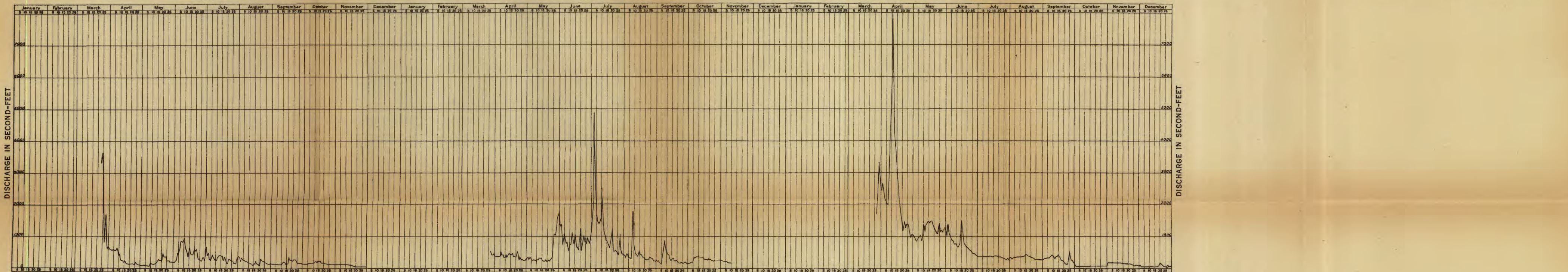
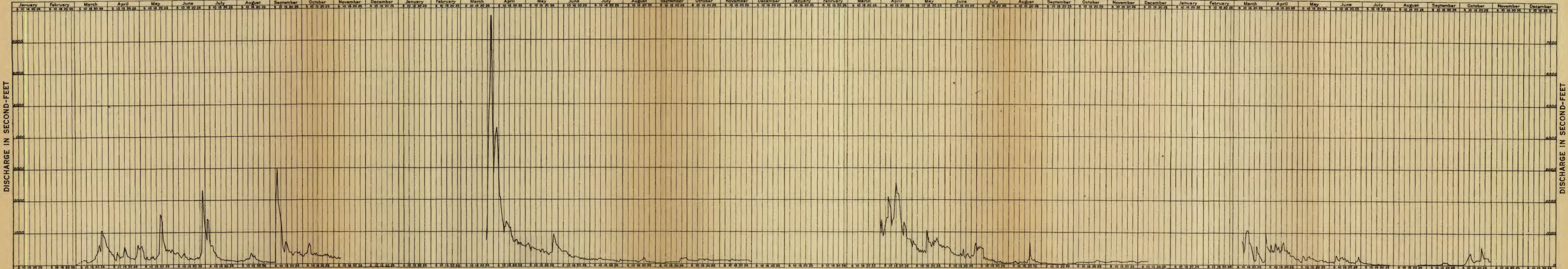


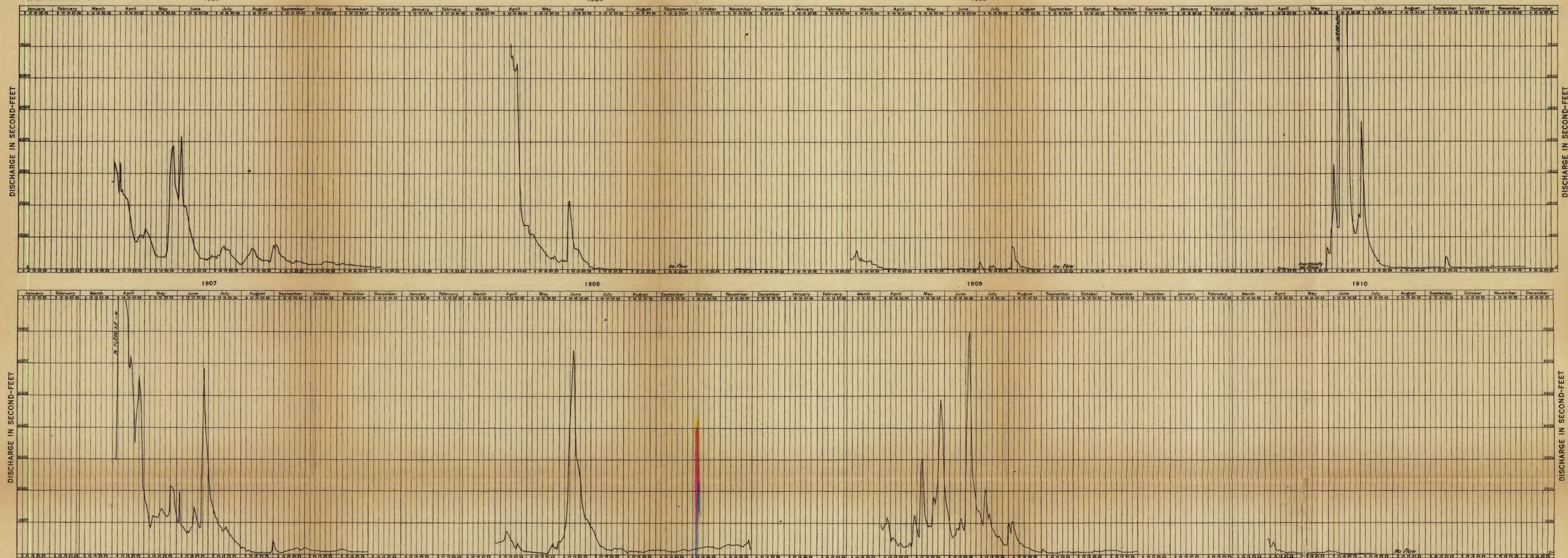
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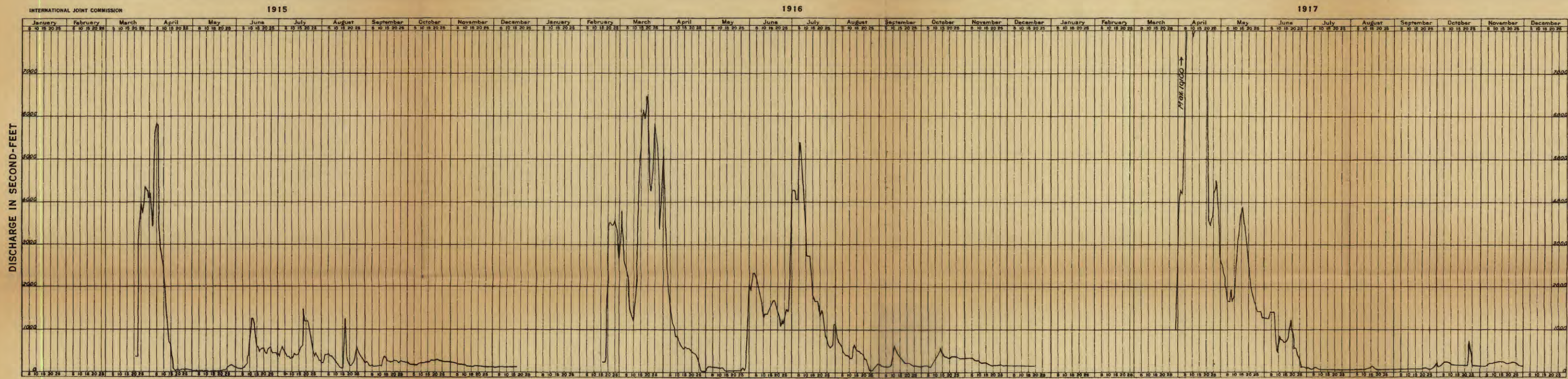
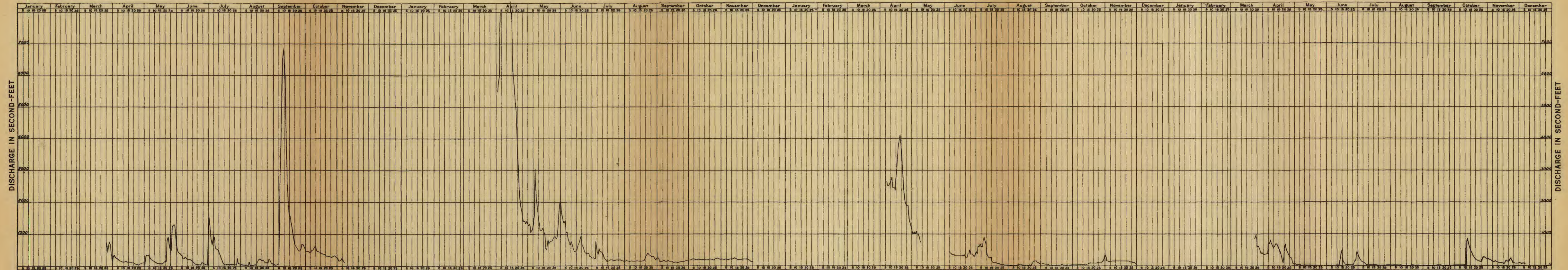


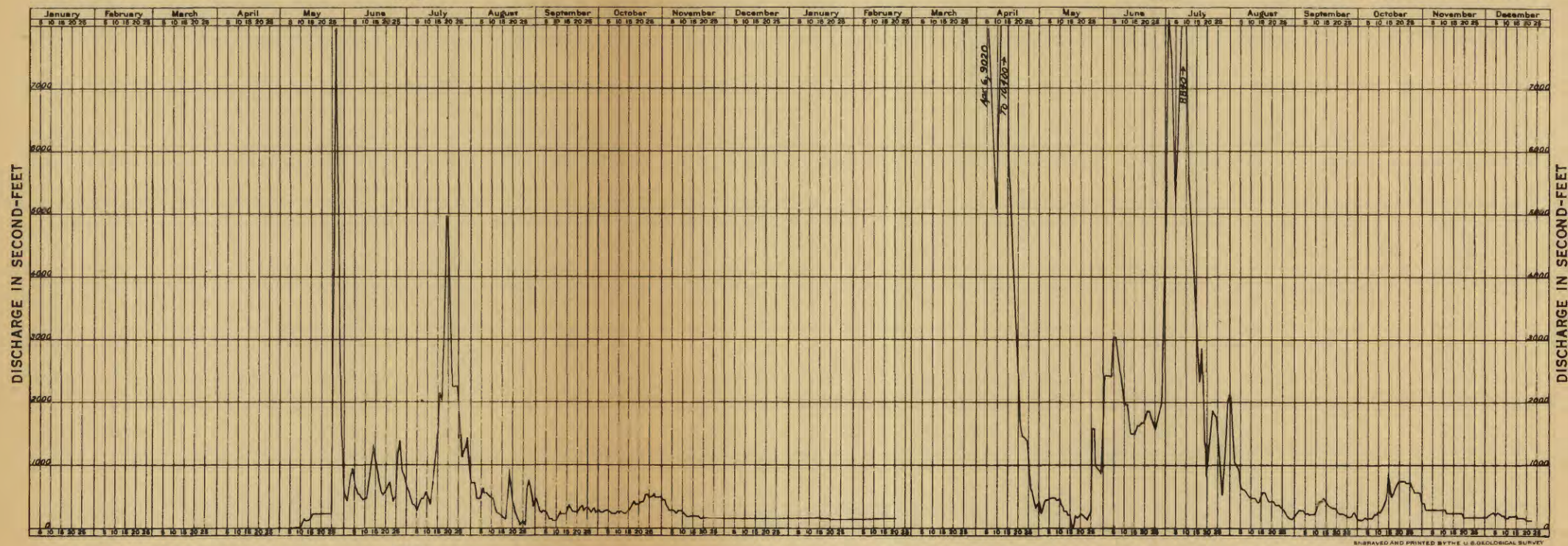




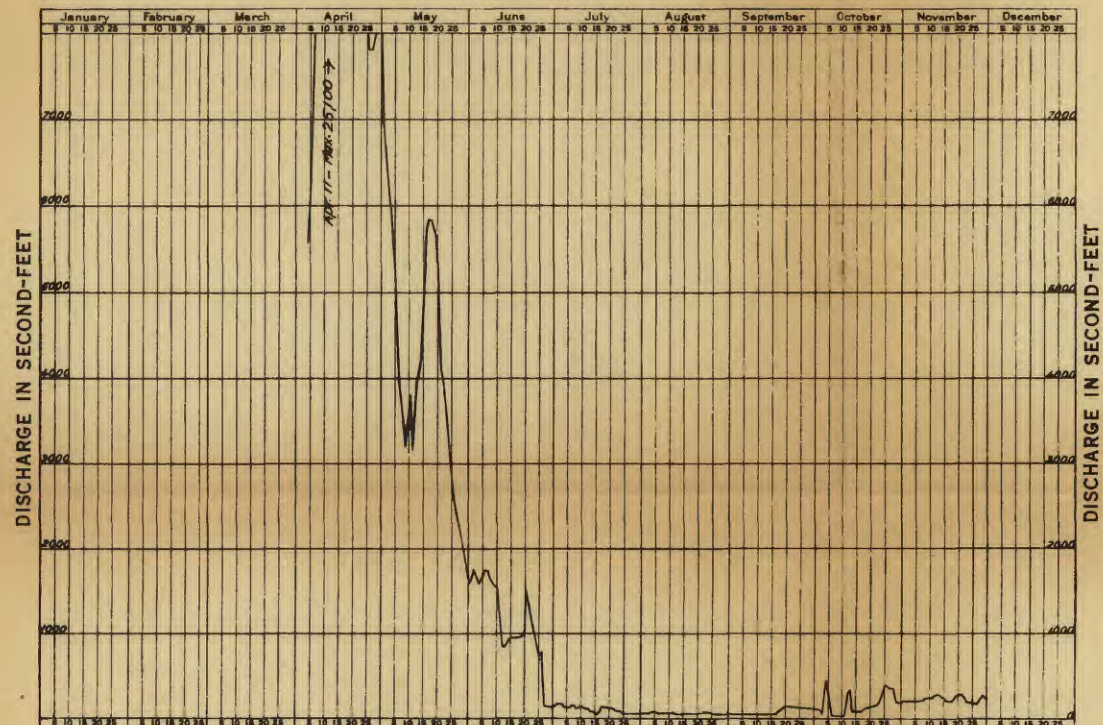


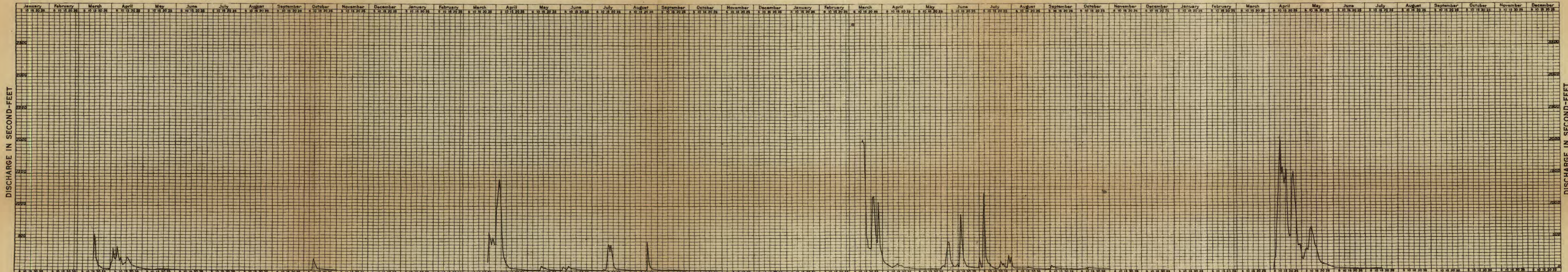
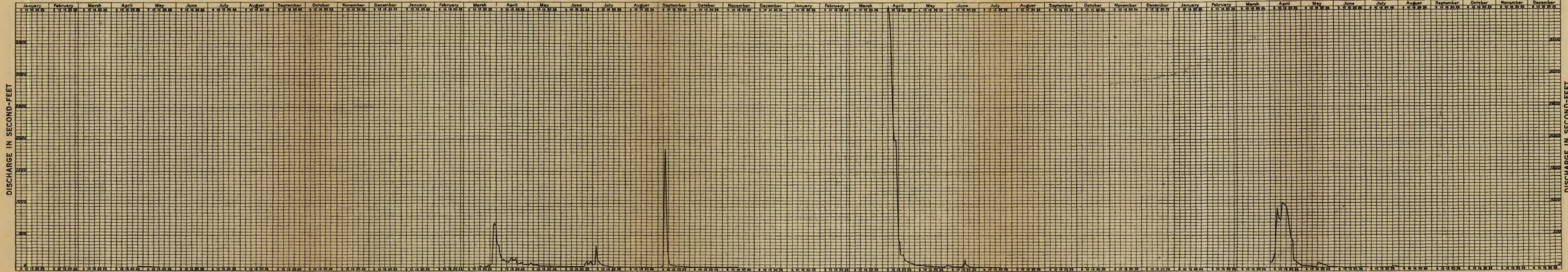




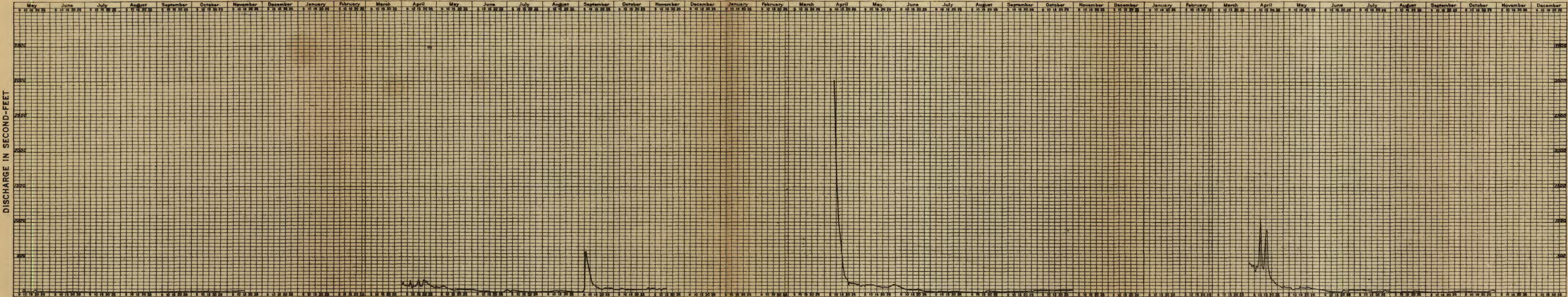


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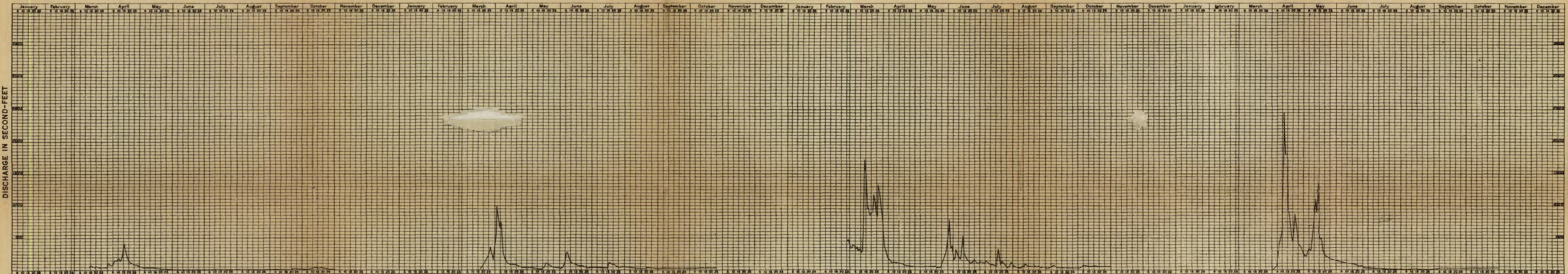


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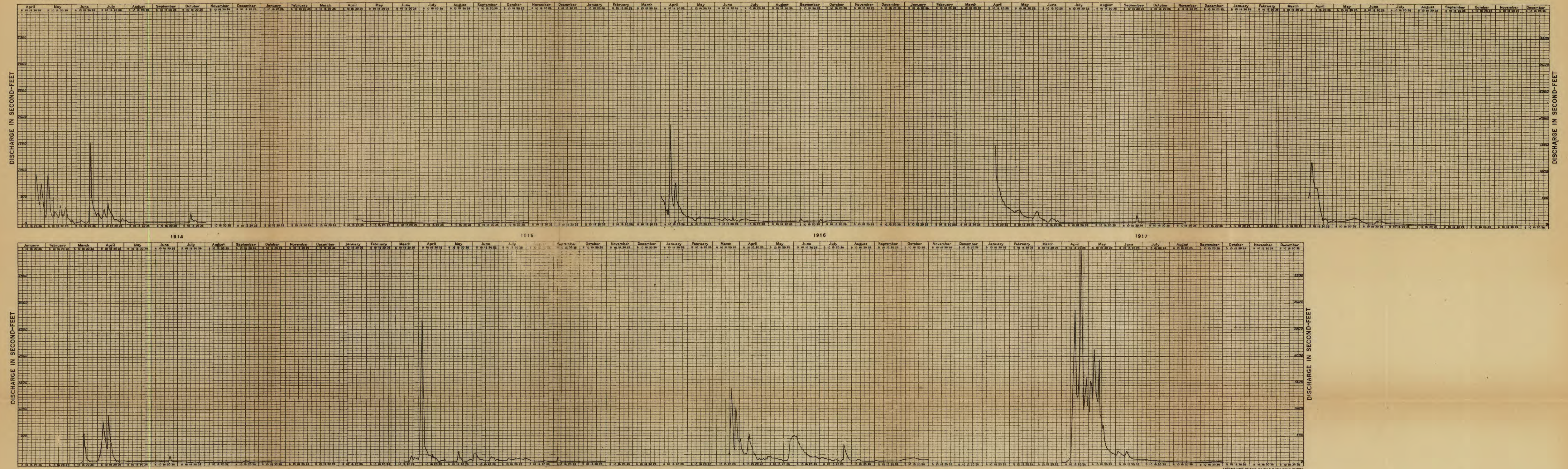


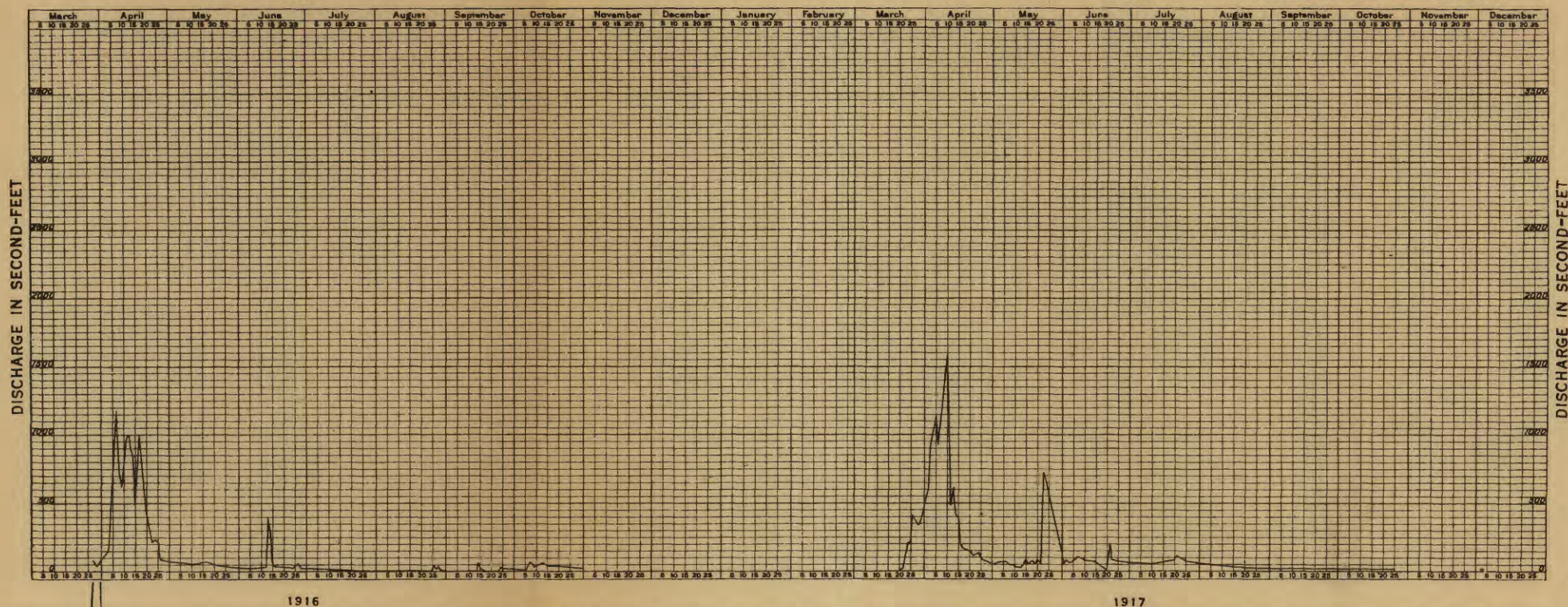
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