## Adams Township, MI

# ONTONAGON RIVER

Middle Branch: -

Information gained from the township plats was as fellows: The hills come fairly close to the stream in Secs. 7,8,29 & 35, T. 48, R 38. In Secs. 5 & 8, the hills are fairly close and are 50' high on the West side and 150' high on the East side of the stream. There is a ledge marked near the south side of Sec. 18, a short distance west of the river, and hills 60' high on the east side of the stream, but not very close.

Markel & Beto, two woodsmen of Rockland, say that there no falls or rapids on the Middle Branch until the D. S. S. & A R.R. is reached, where there is quite a high fall. The banks are flat most of the way up the stream.

East Branch:-

From the plats, information obtained was:-

In Sec. 25 & 26, T. 50, R 39, banks are 3' high, water 2' deep and swift current with readish color.

Falls 4' high over sandstone near West side of Sec. 30, T. 50, R.38. Large trap boulders on line between 31 & 32. Hills fairly close to stream in 31.

No. Banks and stream rapid, in 34.

Hills close to stream in Sec. 2 & 12, T. 48, R 38.

Machel & Bebo say there are 4 to 6 miles of rapids on this branch, beginning in Sec. 25 or 26, with probable drop of 50 or 100 feet in six miles. Steep banks, or hills come close to stream in one or two places. Rapids can be run in a boat during high water, and do not amount to much. Bebo also says there is one fall or 3 or 4 feet., near West side of Sec. 30. These men say that the rapids in the main

river, below Rockland, do not amount to Adams Township, Milat bouts used to be poled up over them.

West Branch:-

Information from plate was as follows:
The West Branch runs through a Komewhat broad valley in Secs. 9 &

10, T. 49, R. 41, and is generally without banks, slow and deep.

Low sandy-clay banks and slow current in Secs. 11 & 12.

Rapids on line between Secs. 1 & 2. T. 49. R 40, and also near the east line of Sec. 1.

Rapide on S. W. 1/4, Sec. 31, T. 50, R. 39. A cabin built by Eldred on removing the great copear rock from the river, is situated in the north part of the S. W. 1/4 of S. W. 1/4 of 31-50-39.

Eldred's road runs through Secs. 20,29.30 & 51, crossing the main Ontonagon River near the center of Sec. 20, where it coincides with the present Victoria road.

Ther are some rapids over sand rock in Secs. 51 & 32.

These are the rapids on which the Victoria power plant is situated.

South Branch of the West Branch:-

Rapids in North East 1/4 of Sec. 17, T. 49. R. 40. Hills fairly close to river. Banks of red clay, 100 feet high in Secs. 20 & 21, near south line.

Mashel X & Bebo have both been down the west branch from Lake Gogebie to Victoria in a boat, and Bebo once used a reft for the first three miles, and a "scoop" or dugout part of the way. These men say that there are no bad rapids until the "Dells" at Victoria are reached. They have no information on the South Branch of the sest Branch.

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## Adams Township, MI

#### ONTONAGON RIVER

Middle Branch: -

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Markel & Bebo, two woodsmen of Rockland, say that there no falls or rapids on the Middle Branch until the D. S. S. & A R.R. is reached, where there is quite a high fall. The banks are flat most of the way up the stream.

East Branch: -

From the plats, information obtained was:-

In Sec. 25 & 26. T. 50. R 39, banks are 3' high, water 2' deep and swift current with reddish color.

Falls 4' high over sandstone near West side of Sec. 50, 2. 50, R.38. Large trap boulders on line between 31 & 32. Hills fairly close to stream in 31.

No. Banks and stream rapid, in 34.

Hills close to stream in Sec. 2 & 12, T. 48, R 38.

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## Adams Township, MI

river, below Rockland, do not amount to much, as the old flat boats used to be poled up over them.

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Low sandy-clay banks and slow current in Secs. 11 & 12.

Rapids on line between Secs. 1 & 2, T. 49, R 40, and also near the east line of Sec. 1.

Rapids on S. W. 1/4, Sec. 31, T. 50, R. 39. A cabin built by Eldred on removing the great copper rock from the river, is situated in the north part of the S. 7. 1/4 of S. W. 1/4 of 51-50-39. Eldred's road runs through Secs. 20,29,30 & 31, crossing the main ontonagon River near the center of Sec. 20, where it coincides with the present Victoria road.

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# \_\_STURGEON RIVER WATER POWER \_\_\_

Drainage Area, Sturgeon only,

496 Square Miles

32" Annual Rainfall = 142 cu. ft. per minute per square mile.

Trautwine recommends a factor of 50% for water reaching outlet.

142 cu.ft. X & X 62% lbs. X 200 ft.head = 26.9 H.P. X 496 sq. Miles =

13342 H. P.

At a combined efficiency of 60% from the energy of the water to the current delivered at mines = 8,000 H. P. = 6,000 K. W.

ONTONAGON, MICH.,\_\_\_\_\_190

- Chilonagon River Middle Branch: Enformation gained from the township plats was as follows; - The hills come fairly close to the Stream in Secs. 7, 8, 29 & 33, T. 48., R. 38 In secs, 5.48, the hills are fairly close, and are 50 high on the West, said 150' high on the East side of the stream. There is a ledge marked near the South side of sec. 18, a short distance west of the river, and hills 60' high on the east side of the stream, but not very close. mashel & Bebo, two woodsmen of Rockland, say that there are no falls or rapids on the middle branch untile the D, S, S, & A, R, R, is reached, where there is quite a high fall, The banks are flat most of the way up the stream.

ONTONAGON, MICH.,

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East Branch. From the plats, information obtained was ;-In sec. 25 × 26, 7,50, R, 39, banks are 3' high, water 2 deep & swift current, with reddish color, Halls 4'high over sandstone near W. side of sec, 30, T.50, R. 38. Sarge trap boulders on line between 31 x 32. Hills fairly close to stream in 31. No banks, and stream rapid, in 34. Kills close to stream in sec. 2 x12, T.48, R. 38. Mashel & Bebo say there are 4 to 6 mile of rapids on this branch, beginning in sec, 25 or 26, with probable drop of 50 or 100 feet in the 6 miles. Steepbanks, or hills come close to stream in one or love places. Ropids can be run in a book during high water, and do not amount to much. Belo also says there is one fall, of 3 or 4, ft, near W. side of sec, 30. These men say that the rapids in the main river, below Rickland, donot amount to much, as the old flat boats used to be poled up over then

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West Branch.

Information from plats was asfollows; The West branch runs through a somewhat broad valley in secs. 9 ×10., T. 49 R. 41, and is generally without banks, slow and deep.

Sow sandy-clay banks and slow current in

Rapids on line between secs. 1 × 2, 7.49, R. 40.

and also near the east line of sec. 11

Rapids on S. W. & sec. 31, 7.50, R. 39. a cabin, built by Eldred on removing the great copper rock from the river, is situated in the northern part of the S. W. & of S. W. & of 31-50-39. Eldred's road runs through secs. 20, 29, 30, × 31, crossing the main onlineagon River near the center of sec. 20, where it coincides with the present victoria road.

There are some rapids over sand rock in secs. 31 +32. These are the rapids on which the

ONTONAGON, MICH.,....

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South Branch of the West Branch.

Rapids in N. E. & of Sec. 17, 7.49, R. 40. Hills

fairly close to river. Banks of red clay

100 ft. high in secs. 20 × 21, near south line,

Mashel & Bebo have both been down

the west branch from Lake Gogbic to victoria

in a book, and Bebo once used a raft for the

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of the way. These men say that there

are no bad rapids untill the Dells" at

victoria are reached: They have no

information on the South branch of the West

branch.

F.P. 1239-13. 12 5.2 13 2,0 90 96\_ 98 19,5 33,5 91 26,5 145.0 145 46 Jog, mile 46,0 Strugeon only 496 Sg.m. HP@ 32" rainfall (@200'hed = 53.8 . @ 50% for of fratire water = 26.9 1P. 496 = 13342 IP @ 60% efficiency = 8005 H = 6000 KW. Adams Township, MI Drawinge area, Sturgeon Vatter Rivers. may. 19,2010.