TEN MILE LAKE ASSOCIATION ANNUAL NEWSLETTER -- 1976

TEN MILE QF. LAKE WHITEFISH NETTING CONTINUE

caught in whitefish nets. g Ten Mile straight Lake year, se until studies have L mid-November confirmed reduces ţ that hat delaying almost zero the the whitefish of. walleyes netting

to close Ten Mile to whitefish netting because many members thought the netter game fish illegally. It was the opinion of DNR officials, however, that there information on which to base a decision and that some investigation should be e studies began close Ten Mile to 1973 when the Association whitefish netting because It was the opinion of DN Association petitioned the Department netters of Natural made. was were re taking insufficient Resources

December in Lake. The opening October fall,
'm in of ន្ឋ the in • John n order to learn all they could about the whitefis Association and a number of its members assisted. other netting Kollar lakes season and his few SPM DNR <u>ب</u> changed to mid-November any conducted walleyes Ф detailed study Irom ___ whitefish netting operations on Teressisted. The study indicated that would be taken. Ten or Or well late

same . first time, again with undertaken request of the Association, the DNR made this change in 1974 and ime, again with the cooperation of Association members, the DNR connectation in 1973. The 1974-75 results were virtually identical the DNR continued ţo the earlier n 1975. I the res findings

and Lake probably in the just af represent the most other after state. information mid-November: Here are some collected collected in these studies would fill quite a complete investigation of whitefish netting e some typical data obtained from nets set by quite a ever conducted y the DNR for t voluminous

1975	1974	1973		Number
(Nov. 18-20)	(Nov. 19-21)	(Nov. 15-20)	•	er of Fish Caught p
8.87	9.00	8.00	Whitefish	t per 100-Foot Net p
0.50	3.67	2.17	Northern Pike	Net per Set (per
0 . 33	0	0	-	year)

much as Ten Mile Lake is usuarry through January but for the most particles of the study, the DNR crew put n walleyes a dozen residents or groups there are approximately half that Mile Lake part is finished when the lake freezes. As an extension of nets under the ice in Ten Mile Lake during the latter part of a 100-foot net was 2.75 whitefish and 0.25 northern pike the last of residents put whitefish nets that many to after they have to freeze in this freeze netters who this been frozen out of other lakes area. into Ten Mile Lake each fall, The netting season runs inasof t

height ally hazardous. that of. 0fi our members it can be bitterly cold rdous. On last November raging blizzard. who accompanied the DNR people during these November 20, for in a boat example, during le, the DNR November crew tended its and December operations nets can during attest and occasion

INFORMATION MILE LAKE"S I LAKE"S DWARF COMPILED TULLIBEES

research of fisheries tullibees characterize year on them was expert at t we just reported g fish story is unfolding on Ten and learn more about the unique millions of s being planned by Professor James the University of Minnesota. Ten illions of these tiny dwarfs. that they appear ť be a dwarfed form little Mile Lake as studies continue in le "herring" found here. In umes C. Underhill, noted bio Ten Mile Lake seems to have g" found here. of a tullibee biologist and In a newsletter and that further no regular order

Jim Erickson, spent: with much assistance Buckmann g also the Brainerd research participated, and we think you "Shimmering Dwarfs of Ten Mile I participated, Daily several day e from John ۲, ا Dispatch. indeed being days on Ten ohn Kollar's pursued. n Mile Lake uu.... s DNR crew and members onk you will enjoy reading the half of the half will enjoy reading
Lake" which we have Professor Underhill the 1975 0,5 the enclosed article she reproduced (with permiss the Association. run at and a graduate st October,

TESTING SI SERIES TENDS TO CONFIRM EARLIER

TEN MILE LAKE RELATIVELY CLEAN

Corporation in Princeton, mentioned past their ա summer mmer tend to confirm our earlier fin staff О Н 0 the chemists New Jersey, conducted hemists and biologists chemical and biological tests that were relatively cler earlier findings -- the lake is relatively cler in August, the Environmental Research Group of are assembling and Ten evaluat conducted on Ten Mile during 1975. ating the dat clean FMC Ą As We was

of the preliminary cannot accurately intervals taking the FMC scientists spent during the samples draw conclusions until for chemical and biological analyses. Additional same from various sites on the lake. They have results (13 chemical analyses on each of 10 samples draw conclusions until the rest of the investigation several days on Ten Mile Lake the investigation is complete. Additional samples were taken last May, making observations taken in May), furnished su tud

has biological manobserved shallow places and numerous other indications that egical tests in years I caused pollution, is I bserved the lake over results in years past. The lake's ution, is low. We dare not ф confirm, the past however, five the to indications s content of ten years will have content of number complacent ₩e nutrients, such as those result ent about this, however, for any will have noted increased growth eutrophication is taking obtained from occasional for anyone place. chemical

analyses will be most meaningful and maintain awareness of changes in the Among the the FMC important scientists things ₩. ges in the trophic condition of our lake. It might be possible that can attend our annual meeting next August and discuss the results. hope ţ practical for us learn from the FMC тo study conduct are what on ω regular chemical basis and biological in order to

DEPARTMENT INSTALLS OF OFFICIAL OF NATURAL RESOURCES LEVEL GAUGE

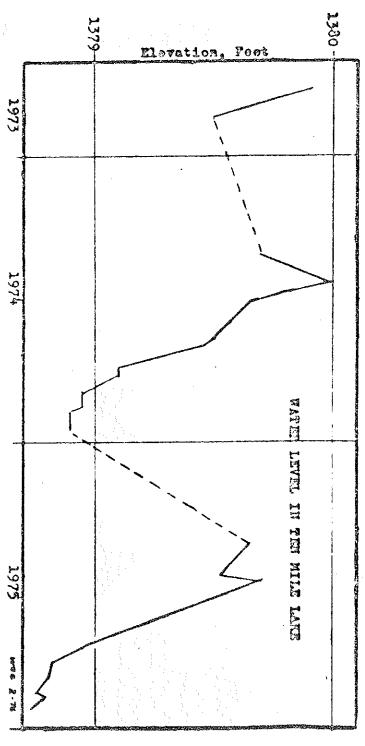
WATER

hand, we Fluctuations Lake are re had to reinforce fishermen could hardly get experienced a üŢ relat elatively highest l water level cause much ly fortunate in this respect, but we do have our problems. In 197t level in the memory of old-timers (1380.00 feet on June 6), and sea walls and make other repairs. Toward the end of 1975, on the rather low water level (1378.76 feet on December 2), and some of their boats h distress 1 this respe to the to many lakeshore dwellers. ect, but we do have our prob dock. Residents and many the the

unusual weather. these on several occasions with the he DNR to install an official level & structure these that fluctuations, Many other factors ω. Ή· safe from damage which are ith the DNR and other officials. The Asso level guage on Ten Mile Lake, and it had om damage by the ice. can influence far less than the water level, ho on many other lakes, however, and we have he Association arrange were ation arranged be affixed to due mostly dis

being consented made at extending de at frequent intervals laters, Soils and Minerals should have authentic rec many ţο the gauge installation, near back as many such structures. years as possible. records ЬУ by designated by of the way The one selected is a new dock of the lake level, Minnesota the entrance members and then Department but what we badly of W Long Bay. Natural Resources. erected by reported Readings need are accurate the MOIL Helschers hence-

ably member permanent has rock made measurements since 1973. at in Here intervals გ. ည plot о Н of the his water depth data: above ρú large and presum



Please! Can anyone find similar records for prior years?

WALLEYE E REARING PROGRAM IN POND BEGINS TO PAY

JAKE'S OFF

st time in many years, the pounds instead of being welcome development the the walleyes o for walleye caught all fishermen large included luded quite
(and old). on Ten Mile മ Lake few in the size range

It appears . Jake's Pond walleyes MOII that and and transferring them to growing up in Ten Mile | at last we are achieving Lake Ten Mile probably success Lake Ħ. consist Ħ. our the program of rearing fingerlings largely fall. The if not younger nger generation entirely of fin fingerlings in. of.

from we again harvested a Jake's Pond that have been introduced into the lake each year, starting good crop. in 1972.

growth was during whic around during Mr. John Kollar and includes also Chuck batch of fry into Jake's Pond on May 23. DNR crew which time 21,800 walleye fingerlings were trapped and the shores of Ten Mile Lake. Here is a re-cap of what previous years compared with our results in 1975: proceeding satisfactorily. to whom especially indebted s also Chuck Yliniemi The liniemi and Howie Centerwall. They put law A preliminary netting on July 30 indicates final harvesting was conducted September for this what we obtained in Jake's success is replanted at under the various places indicated direction of last that year's

1975	1974	1973	1972	Year	
60,000	80,000	160,000	180,000	No. of Fry Stocked	
272 @ 80 per lb.	184 @ 75 per 1b.	196 @ 135 per 1b.	143 @ 130 per 1b.	Lb. of Fingerlings	
21,800	13,800	26,500	18,600	No. of Fingerlings	•

In addition, the preliminary netting on July 30 yielded 635 fingerlings (5 1b. മ 127 per 1b.).

from The Brainerd Daily Dispatch, writter improve walleye fishing in Ten Mile Lake. Forest people who made Jake's encouraged as well as grateful not Pond available d available to us. We enclose a copy of an inte only to the DNR but also to the Chippewa National se a copy of an interesting ar interesting our efforts article

WATER CLARITY TESTS CONDUCTED FROM EARLY MAY TO LATE NOVEMB

NOVEMBER

lake. Testing on the main lake began on Noon a weekly basis (or oftener) until just somewhat month major period shorter periods, but still spanning the su ior bays -- Kenfield, Lundstrom's and Long. in 1975, readings the most 9 Ten Mile Lake were conducted by Association members over a most extensive program of the sort ever undertaken on our plake began on May 9, shortly after the ice went out, and o spanning the summer months, also were taken in the Lake's before 9 freeze-up in late November. sort ever undertaken on our particular after the ice went out, and continued Readings seven. for

Although complete findings: data are furnished in the accompanying chart here is a summary of

clarity,10½ feet Lake First st reading, 22½ feet (May (Aug. 14); final reading, 9); μg feet (Nov. 21). 25 feet (June 16); minimum

Kenfield clarity, Bay 12 feet First (July reading, 11, Aug. 15 ڡ feet and 14, Sept. (May 27); ; maximum clarity, 18 feet (June 23); m
13) final reading, 16½ feet (Oct. 11). minimum

(Aug. Lundstrom's . 14); (Oct. 11). <u>s Bay</u> (inner bay) -- First reading,
minimum clarity, 7½ feet (July 11), 7½ feet (July 11); , final reading, we weeds interfered ; maximum clarity, 12 12 the feet

Long Bay -- First reading, 13% feet (May 27); clarity, 10 feet (Aug. 9); final reading 15%; feet maximum clarity, 17 feet (Oct. L. (June 20 and 23), minimum

high of readings to for on June the outer bay of Lundstrom's ranged from a low or 15% reet on June 23. From then on readings were taken in the inner bay. a low of 15% feet on May 22

watching The testing is until done the disc disappears, by lowering a white disc then reading the depth on the marked line (called a Secchi disc) over side of that ıs. a boat attached

Turbidity amounts turn depends scientists and s on such factors as sunlight types of nutrients from poll: 9 from 'n. the lack of clarity n FMC, mentioned elsewhere i and temperature; caused mostly by in this newsletter, placed particular emphasis and other sources. but especially important the growth The studies conducted by o H algae, and are 9

