

Phelps - Vilas County

Wastewater Receiving Stream Classification

Phelps has an aerated lagoon treatment system that discharges to a wetland which is the source of an unnamed tributary to the Deerskin River. The wetland is not very large and approximately  $\frac{1}{4}$  mile from the discharge; it drains into the unnamed tributary. The tributary is only about three miles long and flows through forest and wetland. During summer and fall of 1976, the stream was completely dry.

The aquatic community of the Phelps tributary is unknown but must be of poor quality because of the intermittent nature of the stream. When water flows in the stream, it is expected that some minnows may use it, but it could not be very important aquatic habitat.

Recommendations: The area that the Phelps lagoon discharges to should be classified wetland down to State Highway 17. The entire remaining part of the stream should have the noncontinuous hydrologic classification. From State Highway 17 down to the road between sections 12 and 13, the water quality classification should be "marginal" and the remainder should be "not supporting a balanced aquatic community".

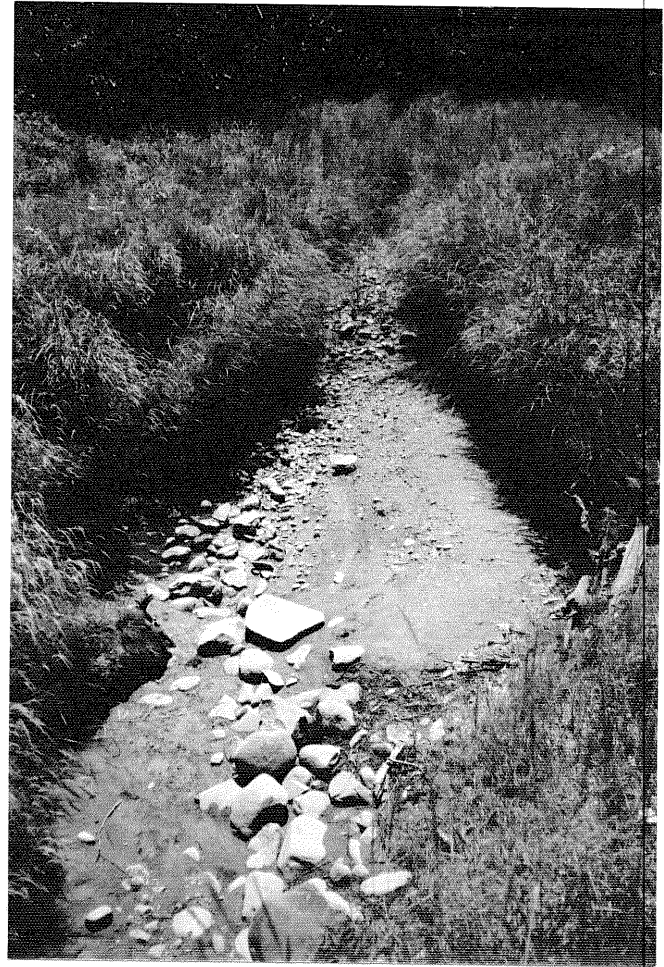


Wetland receiving Phelps discharge.

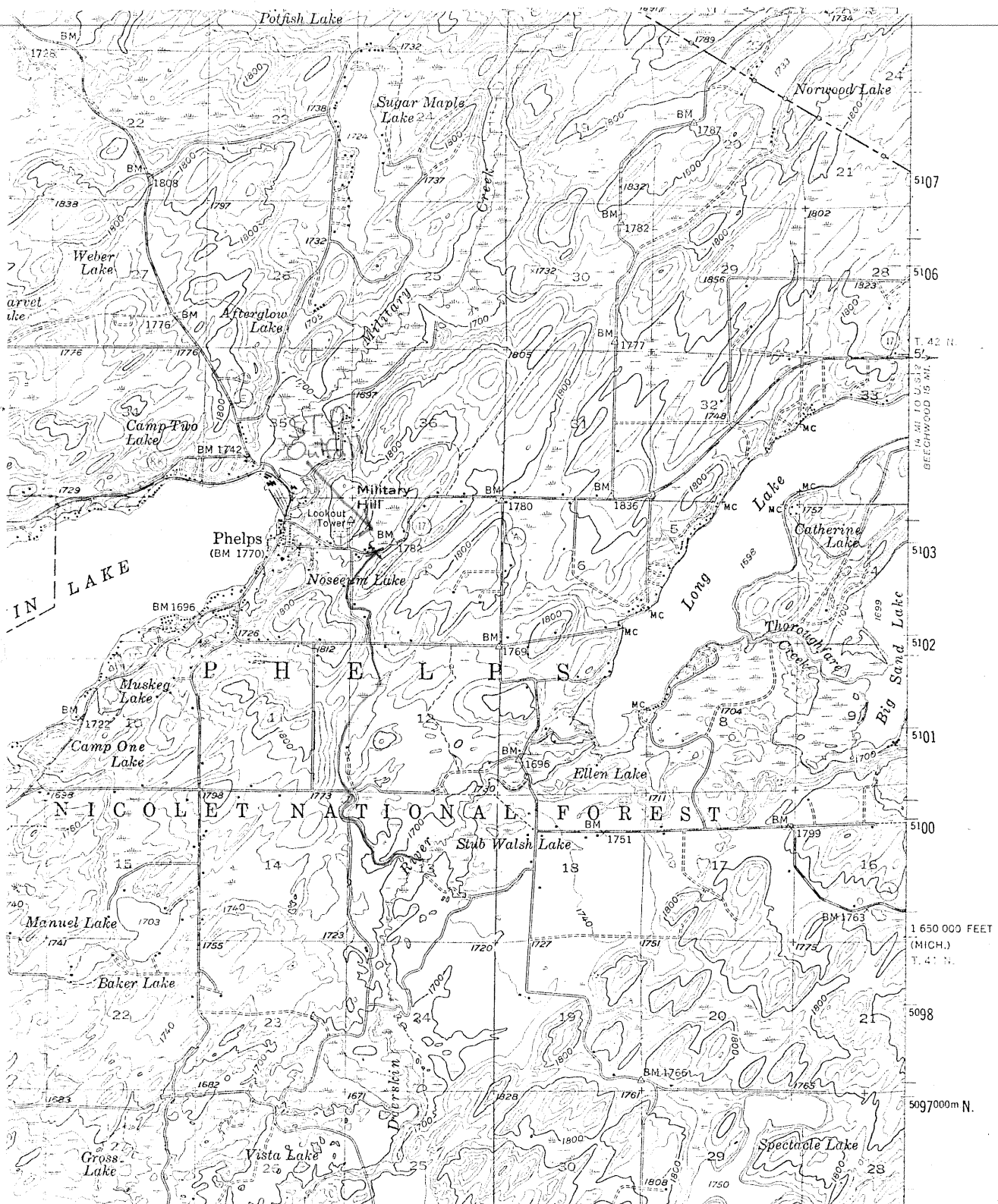
12/10/76  
Bill Jaeger



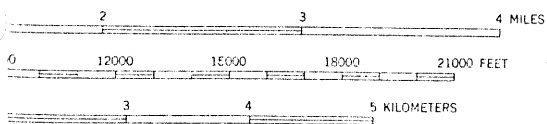
Phelps receiving stream  
at STH 17.



Phelps receiving stream  
2 miles below discharge.



ES 1:43 000 R 11 51 420 000 FEET (MICH.) INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C. - 1970 R. 12 E. 3440000 E. 46°00' 51' 62500



RVAL 20 FEET  
N SEA LEVEL



QUADRANGLE LOCATION

ROAD CLASSIFICATION

- Heavy-duty
- Medium-duty
- Light-duty
- Unimproved dirt
- U. S. Route
- State Route

PHELPS, WIS - MICH

(CALVIN 1:43 000)  
3275' N

Field Survey Date: 7/23/76

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Survey Crew: Jerry Neis, E. P. District Engineer  
Bill Jaeger, E. P. Biologist