

Central Wisconsin Airport - Marathon County

Wastewater Receiving Stream Classification

Central Wisconsin Airport treats sewage wastes with a "package plant" and a polishing pond which was designed to discharge to a ditch that was constructed to carry runoff from the airport runway. However, the pond is acting as a seepage pond and has not overflowed. The drainage ditch passes through a culvert under the runway and then joins an unnamed tributary to Peplin Creek. The Q_{7,10} of both the unnamed tributary and Peplin Creek is zero.

The watershed of the unnamed tributary is the airport and wetland in the upper part and is pasture and woodland the last half mile before joining Peplin Creek. The Peplin Creek watershed is about an equal mix of farm land and wet woodland. A fishery survey found log perch and white sucker in Peplin Creek at South Road (Sections 35 and 2) where there is a large ponded area. Below this site, Peplin Creek has several large pools and is a winding stream with little gradient.

Recommendations: Both the unnamed tributary and Peplin Creek should have the noncontinuous hydrologic classification. The unnamed tributary and Peplin Creek above South Road should have the marginal water quality classification and the remainder of Peplin Creek should be "nonsupporting a balanced aquatic community".

INTERMEDIATE

Survey Dates: 8/29/77 and 9/13/77

Survey Crew: Tom Bashaw - District Engineer
Bill Jaeger - Water Pollution Biologist

Report Prepared by Bill Jaeger



Ditch along airport runway that receives discharge.



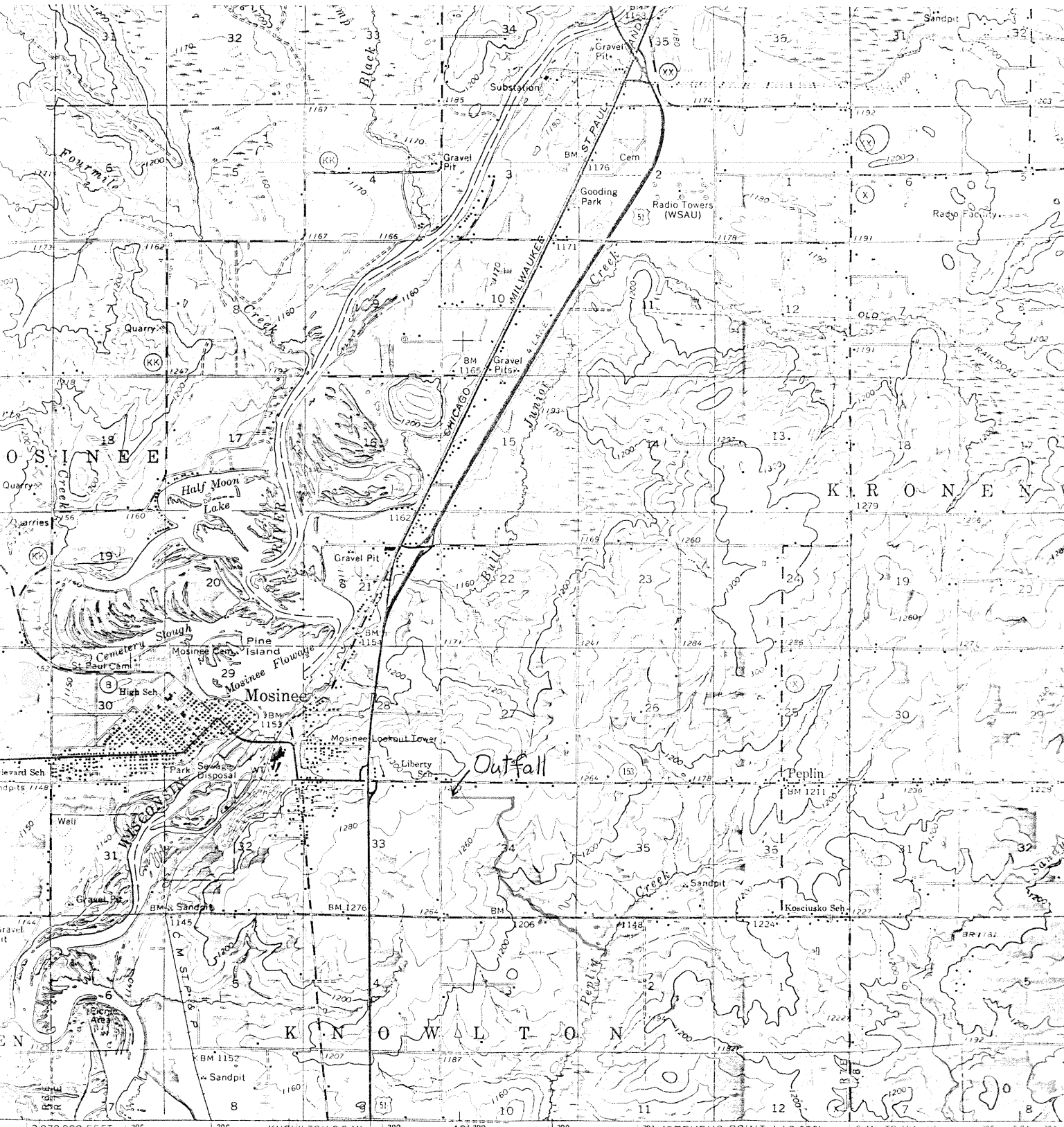
Unnamed tributary to Peplin Creek at South Road (Sections 34 and 3)



Peplin Creek at Oak Road South (Sections 35 and 36)



Peplin Creek at South Road (Sections 35 and 2)



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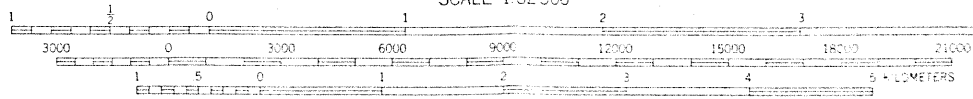
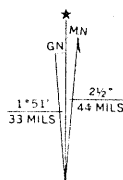
and USC&GS

Photogrammetric methods from aerial
 photography 1962 and planimetric surveys 1963

1927 North American datum
 in Wisconsin coordinate system, central zone
 transverse Mercator grid ticks,

blue
 areas in which only landmark buildings

UTM GRID AND 1963 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET



SCALE 1:62500

CONTOUR INTERVAL 20 FEET
 DOTTED LINES REPRESENT 10-FOOT CONTOURS
 DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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