DMX - Deep marsh Mosaic/Complex

Photo credit: Kevin Hop

Deep Marsh Mosaic/Complex Map Unit represents 7 herbaceous associations: Eastern Reed Marsh, Freshwater Bulrush Marsh, Midwest Cattail Deep Marsh, Wild Rice Marsh, Water Horsetail-Spikerush Marsh, Northern Water Lily Aquatic Wetland, and Midwest Pondweed Submerged Aquatic Wetland. DMX occurs in sheltered bays of lakes, along watercourses, and flooded beaver impoundments.

This map unit was created to account for photo limitations and patterns of the vegetation on the ground. The photographs do not always show distinctive signatures between these associations, so mapping specific associations cannot be done confidently. Also, these associations often occur together in a mosaic pattern and fall below the minimum mapping unit of .5 ha., so they are not mapped as separate polygons.

In any given polygon designated as DMX, one or more of these associations might occur. If only one association occurs, it is because the confidence level in interpreting the specific vegetation for that polygon was low.

Midwest Cattail Deep Marsh and Eastern Reed Marsh are mapped with SMX when occurring in shallow water and either could not be distinguished from the other SMX herbaceous types, or were seen as a mosaic pattern with the other SMX herbaceous types.

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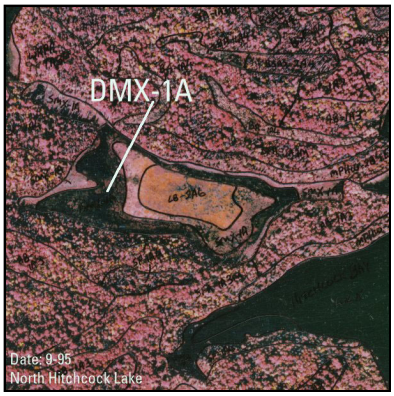
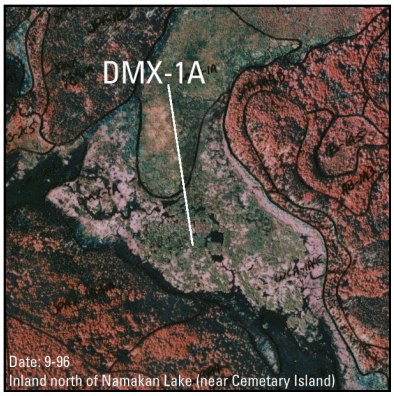
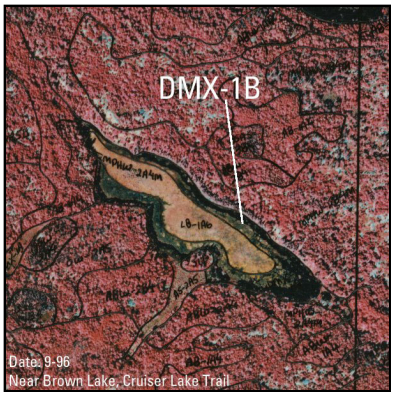
DMX-1A appears as a mix of dark colors. There is little contrast between the aquatic plants and the water making it difficult to see the continuous and evenly dispersed coverage pondweeds and cattails. The pondweeds and cattails occur in a mosaic of patches that are too small to map individually. This photo was taken in September 1995.



DMX-1A appears as mottled pink and green. The pink signature represents floating aquatic plants and the green signature represents cattails. Water borders the polygon on the one side. The photo was taken in September 1996.



DMX-1B forms a rim around a leatherleaf bog. The cattails appear a mottled green surrounded by the darker signature of pondweeds. The pondweeds are difficult to see in the water. The coverage is continuous and clumped. The photo was taken in September 1996.



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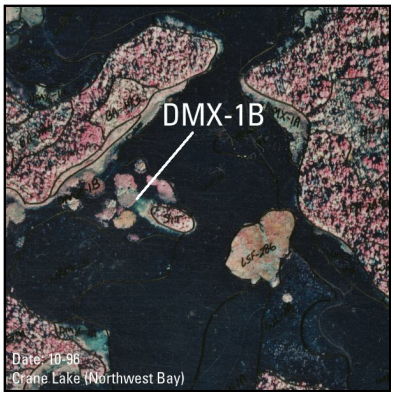

DMX-1B appears as patches of pinks, blues, yellows, and darker colors. The photo was taken in October 1996.

Area Report for DMX Map Unit
Polygons: 959
Hectares: 1,852
Acres: 4,575
Average size: 2 hectares, 5 acres

Accuracy Assessment Results for DMX Map Unit
The Deep Marsh Mosaic/Complex Map Unit was assessed at 97% producers' accuracy (confidence interval 90-103%) and 100% users' accuracy (confidence interval 98-102%).