

WRPA - White Pine-Red Pine-Quaking Aspen-Paper Birch Forest



Photo credit: Kevin Hop

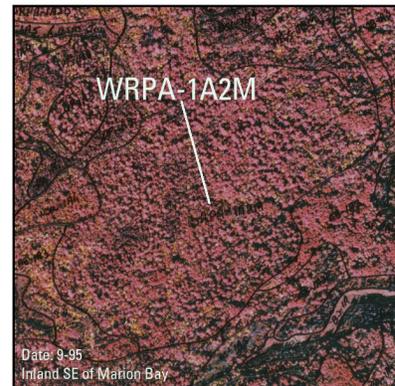
The White Pine-Red Pine-Quaking Aspen-Paper Birch Forest Map Unit (WRPA) represents not only two associations within the White Pine (Red Pine) - Quaking Aspen Forest Alliance ([White Pine - Aspen - Birch Forest](#) and [Red Pine Aspen Birch Forest](#)), but also a combination of either or both the [Red Pine / Blueberry Dry Forest](#) Association and the [White Pine / Mountain Maple Mesic Forest](#) Association with either or both the [Aspen-Birch / Boreal Conifer Forest](#) Association and the [Aspen - Birch - Red Maple Forest](#) Association.

When WRPA was used to map a combination of pine and aspen forest types, it was mapped as such because the forests occurred in a mosaic pattern with each other. The pine forest types occur in different habitats than the aspen forests types. These habitats are of patchy occurrence, creating a mosaic of forest types too intricate to map comfortably. Instead, a secondary minimum mapping unit of 2-5 ha size was used to map these forests when in a mosaic pattern with each other. When the individual forests fall within or below this range, this mosaic-mapping guide was applied.

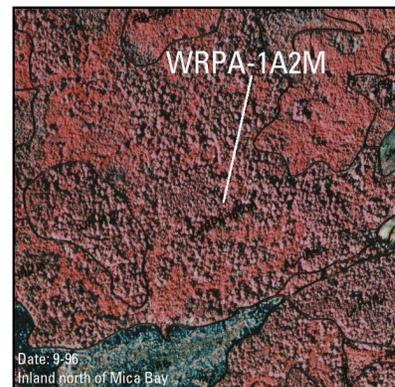
WRPA is thought to represent about half the polygons as a mosaic of pine and aspen forest types. Another way to describe WRPA when mapped as a mosaic is by the combinations of the RP and/or WP Map Units with the AB Map Unit. The other half of the polygons represents the White Pine (Red Pine) - Quaking Aspen Forest Alliance, which occurs on well-drained somewhat rocky upland sites. This alliance classifies as a true mix of pines and aspen trees.

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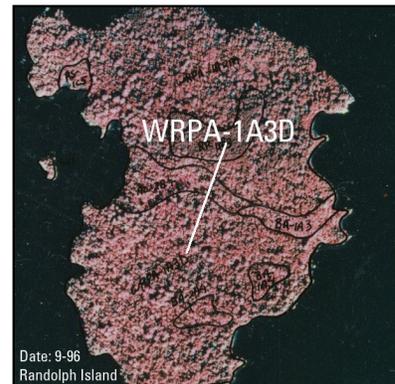
WRPA-1A2M appears in various shades of red and pink with a coarse texture. This polygon shows both a true mixed forest type and mosaic mapping of forest types (e.g. larger red patch of pines). The canopy coverage is continuous and evenly dispersed. The height of the pines falls within the 20–30 meter range, with the aspen being shorter. Evergreen and deciduous trees and forest types share dominance within the polygon. The photo was taken in September 1995.



WRPA-1A2M appears as red-orange and purple-red with a mottled, rough texture. The red-orange is the aspen and the purple red are the pines. This polygon shows mosaic mapping of forest types. The canopy coverage is continuous and evenly dispersed. The height of the pines falls within the 20–30 meter range, with the aspen being shorter. Evergreen and deciduous forest types share dominance within the polygon. The photo was taken in September 1996.

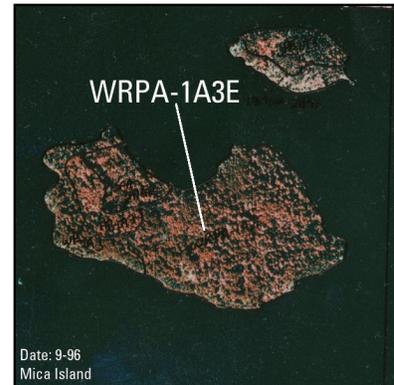


WRPA-1A3D appears pink and red with a rough texture. The pink is the aspen and the red are the pines. The canopy coverage is continuous and evenly dispersed. The tree height falls within the 12-20 meter range. The individual aspen forests cover 60-75% of the polygon, where the pine forests cover 25-40%. The photo was taken in September 1996.



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WRPA-1A3E appears orange-red and dark red-brown with a rough texture. The canopy coverage is continuous and evenly dispersed. The tree height falls within the 12-20 meter range. The individual pine forests cover 60-75% of the polygon, where the aspen forests cover 25-40%. The photo was taken in September 1996.



Area Report for WRPA Map Unit

Polygons: 1,486

Hectares: 9,823

Acres: 24,274

Average size: 7 hectares, 16 acres

Accuracy Assessment Results for WRPA Map Unit

The White Pine-Red Pine-Quaking Aspen-Paper Birch Forest Map Unit was assessed at 85% producers' accuracy (confidence interval 74-96%) and 94% users' accuracy (confidence interval 87-