

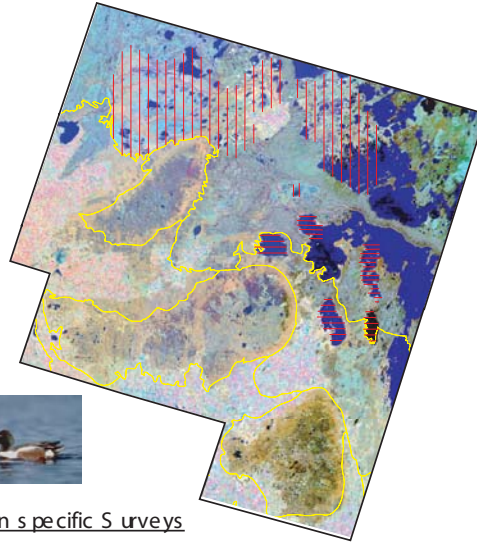
Pasquia Project, Waterbird Inventory

Objectives

- An assessment of wetland capability within the study area
- An indication of importance of wetland types to waterbirds
- Evaluate the use of wetland areas by waterfowl and other wetland based waterbirds

Methods

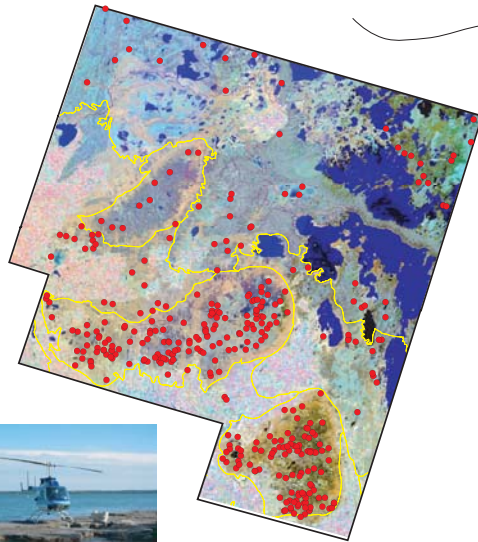
- Ecodistricts used as the sampling unit
- Breeding, postbreeding/molting and fall staging surveys conducted
- Basin specific and wetland complex (transect).
- Helicopter and Fixed wing aircraft surveys conducted.
- All waterfowl and non waterfowl waterbirds identified are tallied.
- Onboard GIS real time navigation.



Basin specific Surveys

Transect Surveys

- Established for Saskatchewan River Delta (SRD), Plummer's Marsh, Reddeer Lake, Swan Lake, Pelican Lake, and portions of Winnipegosis.
- Saskatchewan River Delta 5% coverage
- Big water (e.g. Reddeer Lake, Swan Lake) 10% coverage



Wetland sites were divided into size classes.

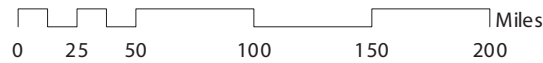
Proportional allocation of basins randomly selected for surveys

Basins < 1300ha chosen for breeding pair and production surveys

Basins > 300ha – 1000 ha included in fall staging surveys

20% of basins re surveyed annually

Breeding Pair surveys conducted by helicopter



Legend

- Yellow outline: Ecoregion boundaries
- Red dot: Breeding Pair Survey basins
- Pink outline: Transect lines
- Green dot: Fall Staging Survey basins

