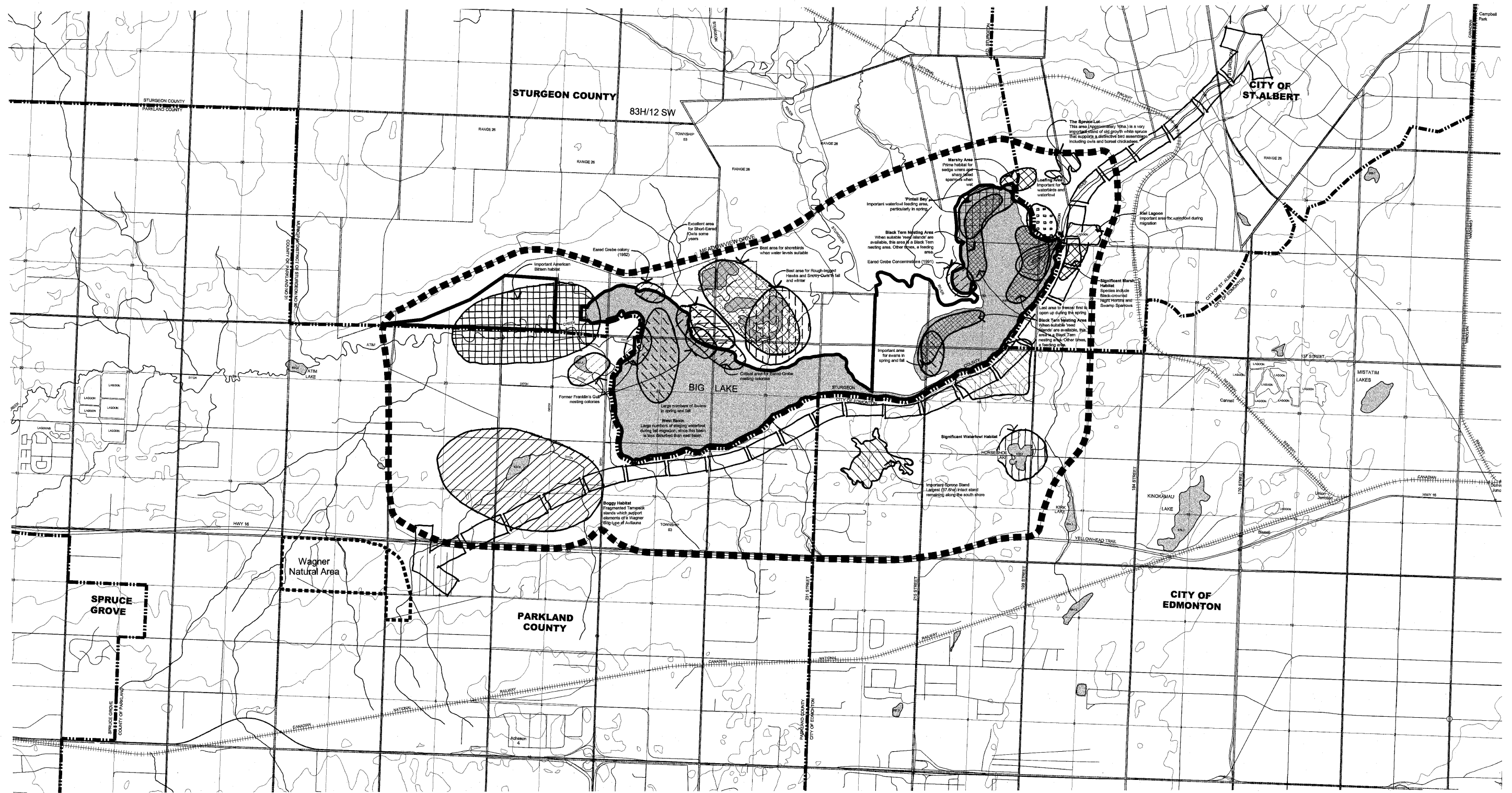




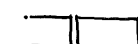
Legend



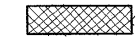
Data Collection / Research Area



Big Lake Natural Area Boundary



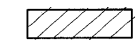
Significant Migration Corridor (Passerines/ Water birds)



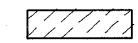
Important Black Tern Nesting Area



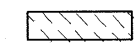
Important Feeding Area



Important Area for Migration (Spring and Fall)



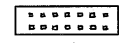
Former Franklin's Gull Nesting Colonies



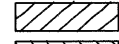
Former Significant Spruce Stand



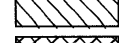
Last to Freeze/ First to Thaw Area



Important Water bird/ Waterfowl Loafing Area



Boggy Habitat- Fragmented Tamarack Stands



Important Spruce Stand



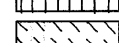
Significant Marsh Habitat



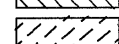
Best Area for Shorebirds



Important American Bittern Habitat



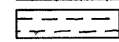
Significant Waterfowl Habitat



Eared Grebe Concentrations



Significant Area for Swans



Important Area for Rough-legged Hawk and Snowy Owls

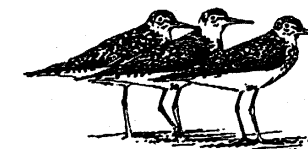


Important Area for Short-eared Owls

birds and habitat

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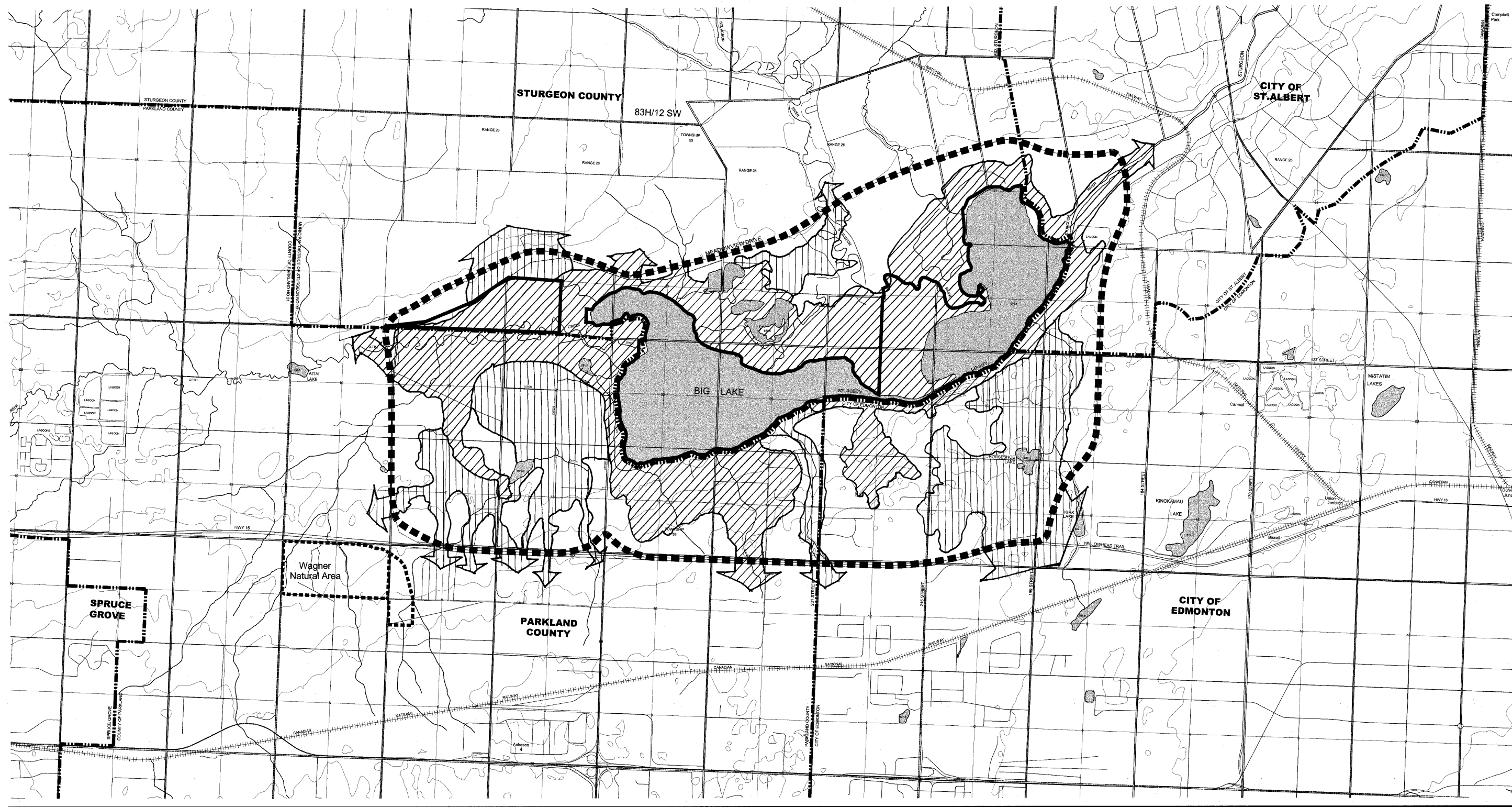
amec EDA



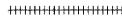
BIG LAKE
NATURAL AREA
management plan

Airphoto (where applicable) provided by Alberta Environment, January 2002
Base information provided by Alberta Environment, January 2002

March 2002



Legend

- | | |
|---|--|
|  Data Collection / Research Area |  Highly Important Wildlife Habitat |
|  Big Lake Natural Area Boundary |  Moderately Important Wildlife Habitat |
|  Municipal Boundary |  Relatively Low Importance for Wildlife |
|  Railway Tracks | |

Note:
Wildlife and Habitat Mapping does not necessarily include birds, and their specific habitat requirements in the Big Lake Area.

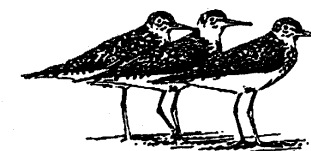
PRELIMINARY ONLY- SUBJECT TO REVIEW BY WILDLIFE BIOLOGIST

0 0.5 1.0 2.0 km



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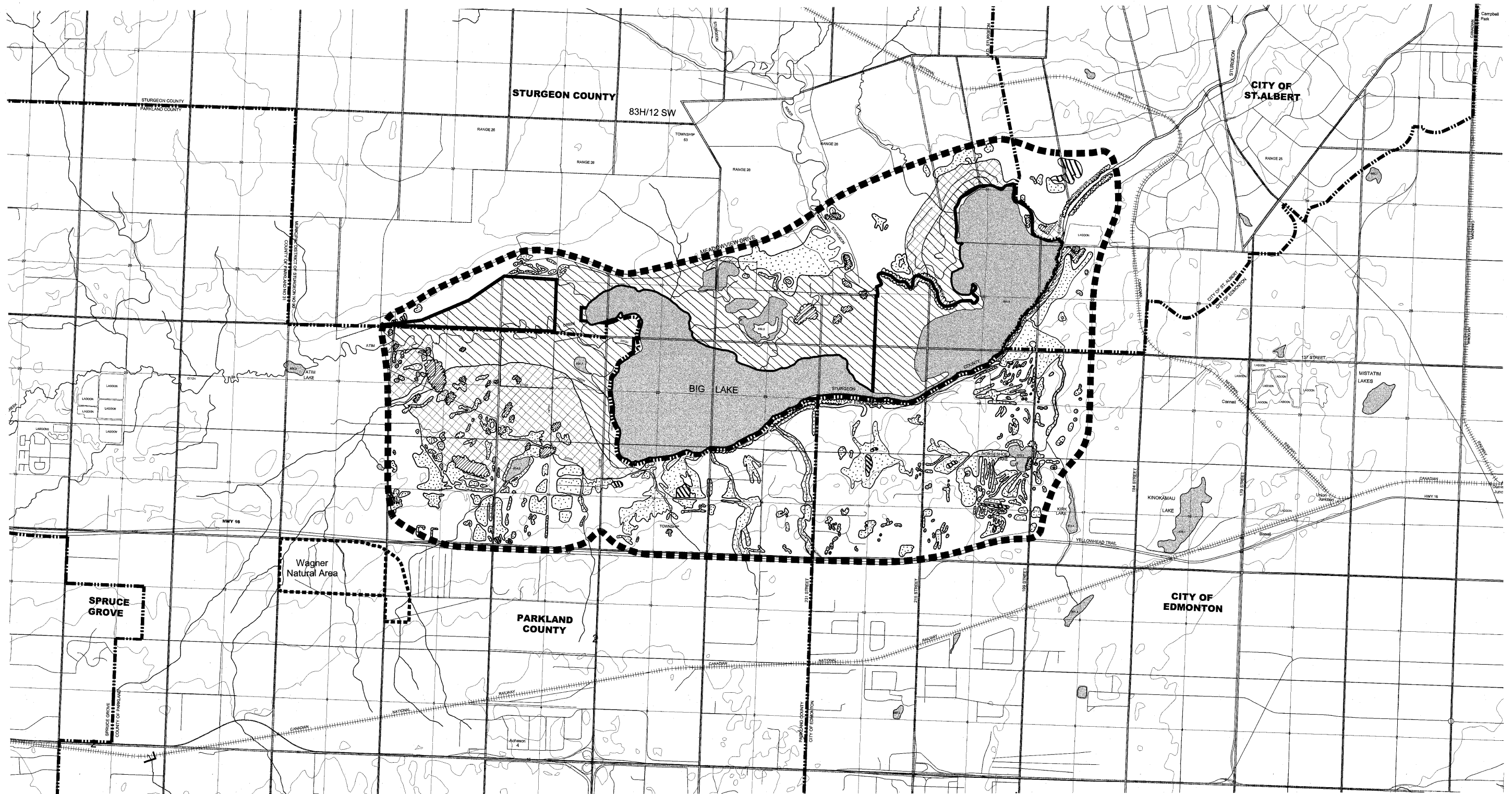
amec  EDA



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Legend



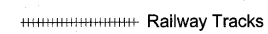
Data Collection / Research Area



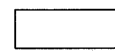
Big Lake Natural Area Boundary



Municipal Boundary



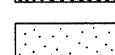
Railway Tracks



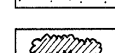
Agricultural Land



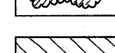
Coniferous Woody Vegetation (Spruce)



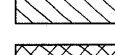
Mixed Woody Vegetation (Poplar, Spruce)



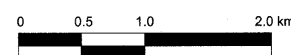
Willow



Marsh (Rushes, Sedges)



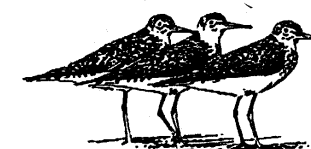
Wet Meadow (Grasses and Other)



Airphoto (where applicable) provided by Alberta Environment, January 2002
Base information provided by Alberta Environment, January 2002

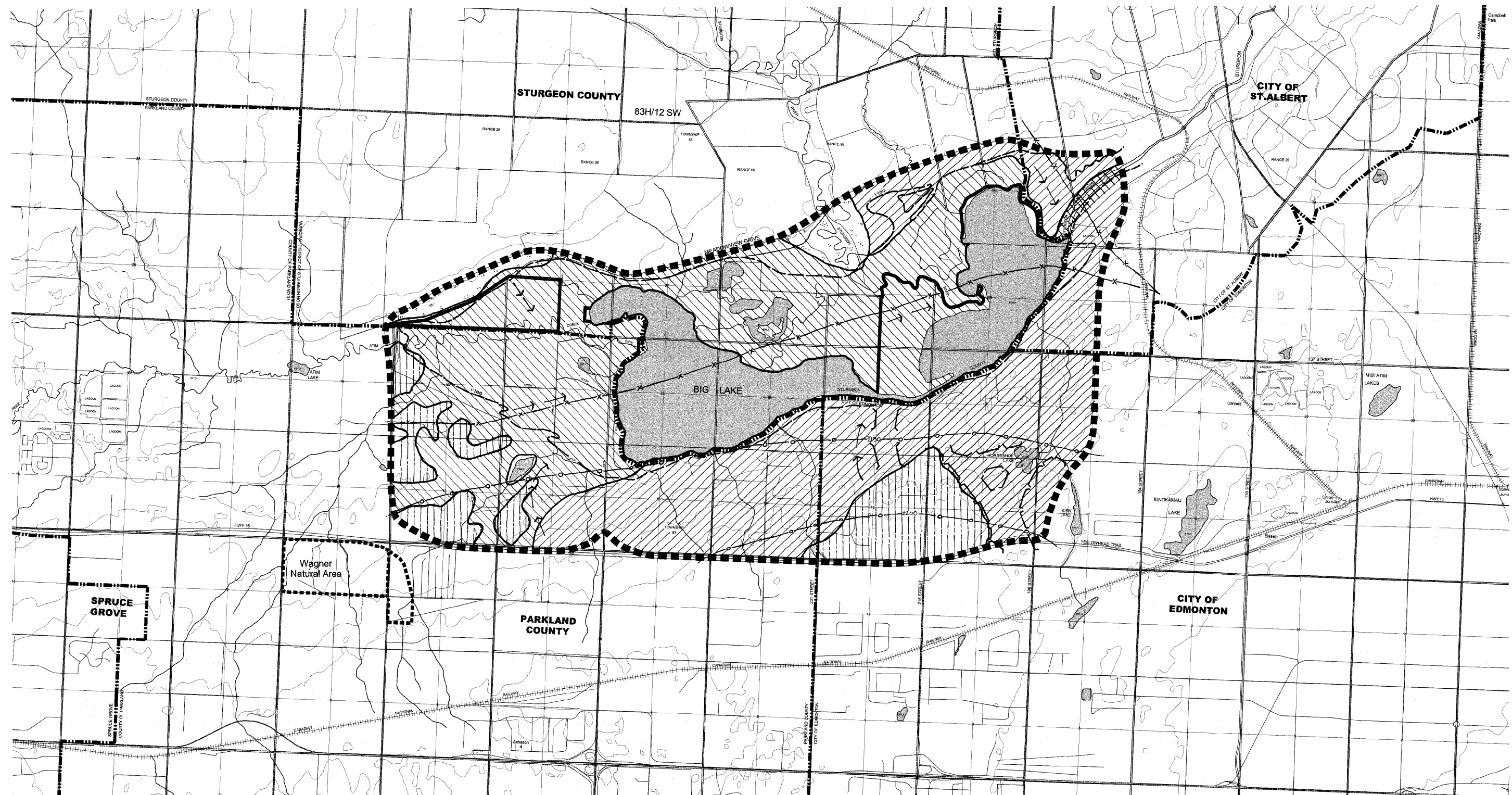
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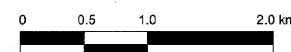


Legend

- Data Collection / Research Area
- Big Lake Natural Area Boundary
- Municipal Boundary
- Railway Tracks
- Glacial Stream and River Channels
- 1:100 Year Flood Line
- Groundwater Contours
- Thalweg at Buried Channel
- Direction of Lateral Groundwater flow

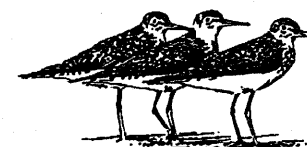
- Lake Edmonton- glacio/acustrine sediment
- Hummocky and pitted glaciofluvial delta
- Recent Bottom land deposit
- Alluvium
- No Surficial Aquifer

surface and groundwater



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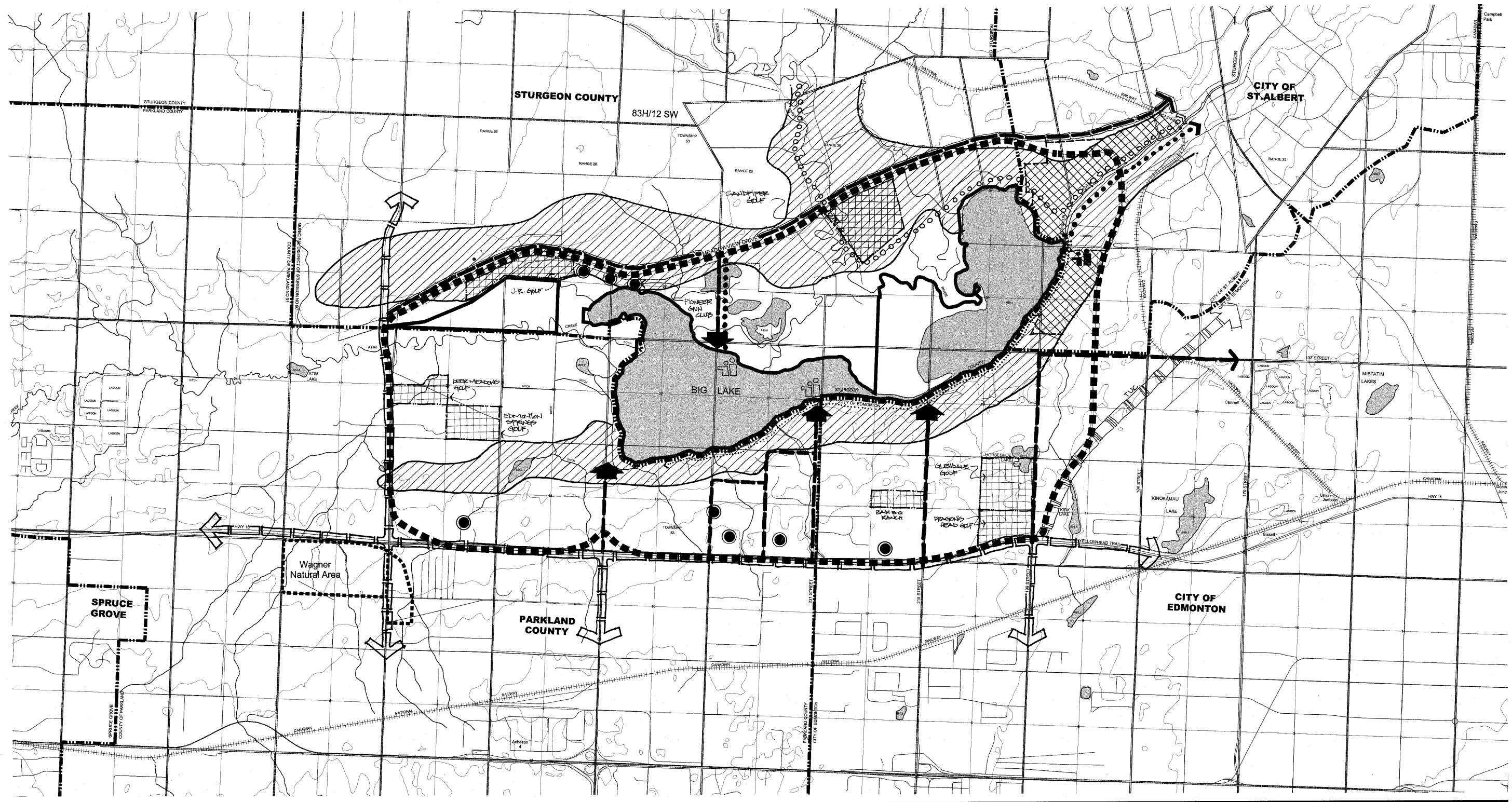
amec EDA



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References:
Bayrock and Hughes, 1962; RCA, 1978; EMRRC, 1987; Bibby, 1974.
Agriculture (where applicable) provided by Alberta Environment, January 2002.
Base Information provided by Alberta Environment, January 2002.

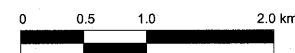
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Legend

- Data Collection / Research Area
- Big Lake Natural Area Boundary
- Municipal Boundary
- Railway Tracks
- Major Arterial Roadway
- Minor Roadway Access
- Proposed TUC
- Historic Site or Structure

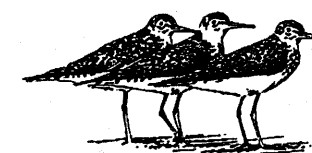
- Area of a High Potential for Historic/ Archaeological Sites
- Proposed Red Willow Park Expansion
- Existing Recreational Use
- Access Point
- Wooden Viewing Deck
- Potential Viewpoint
- Proposed Trail (Sturgeon/ St. Albert IDP)
- Existing Formal Trail
- Existing Informal Trail



References:
EMRPG, 1989; Sturgeon/St. Albert IDP, 1991; Demerutis, 2002.
Airphoto (where applicable) provided by Alberta Environment, January 2002
Base information provided by Alberta Environment, January 2002

cultural resources

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