

Appendix 4 Geographical Information System (GIS) Capacities in the Northwest Territories

The Canadian Biodiversity Strategy calls for the development of information management systems to facilitate the rapid analysis and distribution of biological and biophysical data and information. GIS is recognized as one of the most efficient ways to share and analyze data and information between organizations involved in landscape-level resource and ecological management. Current GIS capacities in the NWT are detailed below:

Agency or organization	GIS platforms and Hardware ¹	GIS-Trained Personnel ²	Data Analysis Capabilities ³
Federal Government			
DFO, Yellowknife Office	✓	✓	
DFO, Inuvik Office	✓		
Environment Canada, CWS, Yellowknife	✓	✓	✓
INAC, Yellowknife Office	✓	✓	✓
PCA, Western Arctic Field Unit (Inuvik)	✓	✓	✓
PCA, Southwest NWT Field Unit (including Nahanni National Park Reserve and Wood Buffalo National Park)	✓	✓	✓
Territorial Government			
DOT, Yellowknife Office			
ECE, Prince of Wales Northern Heritage Centre	✓	✓	✓
MACA, Yellowknife Office	✓	✓	
RWED, Remote Sensing	✓	✓	✓
RWED, Wildlife & Fisheries	✓	✓	✓
RWED, South Slave region	✓		
RWED, Forest Management, HQ (Hay River and Fort Smith)	✓	✓	✓
RWED, North Slave Region, Wildlife and Forest Management	✓		
RWED, Deh Cho Region, Wildlife and Forest Management	✓	✓	
RWED-INAC C.S. Lord Northern Geoscience Centre	✓	✓	✓
RWED, Inuvik Region, Wildlife and Forest Management	✓	✓	✓
Regional and Aboriginal Government			
Akaiicho Territory Government	✓		
Dogrib Treaty 11 Council	✓	✓	✓
Gwich'in GIS Project (GRRB, GLWB, GLUPB, GTC)	✓	✓	✓
Inuvialuit Joint Secretariat	✓	✓	✓
North Slave Metis Alliance	✓		
Sahtu GIS Project (SRRB, SLUPB, RWED Sahtu)	✓	✓	✓
Communities			
Aboriginal Wildlife Harvesters Committee (Fort Resolution)	✓		
City of Yellowknife	✓		
Deline Uranium Team	✓		
Fort Providence Renewable Resource Committee	✓		
Hay River Dene Band	✓		
Wildlife, Land and Environment Committee (Lutsel K'e)	✓		
Boards and Committees			
Deh Cho Land Use Planning Committee	✓		
Mackenzie Valley Land and Water Board	✓		
Sahtu Land and Water Board	✓	✓	
Non-Governmental (Non-profit) Organizations			
Aurora Research Institute	✓	✓	✓
Canadian Parks and Wilderness Society	✓		
Ducks Unlimited Canada, Yellowknife Office	✓	✓	✓

¹Includes GIS software (platforms), a plotter and map printer; may include multi-user network capacity

²Available staff whose duties directly include GIS, and who have training in GIS software and applications

³GIS staff has full data analysis capacities – the ability to produce and manipulate GIS data

* GIS Specialist based in Fort Smith