



Groupe **Hemispheres**





WE ARE YOUR ENVIRONMENTAL ADVISORS





Since 2004, Groupe Hémipshères, an environmental consulting firm, has been deploying innovative solutions adapted to environmental and regulatory realities in order to improve its analysis tools and services.

## WILDLIFE SURVEY

-  Fish and fish habitat
-  Avifauna
-  Herpetofauna
-  Small and large mammal

## ECOSYSTEM CHARACTERIZATION AND CARTOGRAPHY

-  Characterization and delineation of wetlands and terrestrial ecosystems
-  Ecological mapping of northern ecosystems
-  Specific vegetation survey – endangered species, invasive species
-  Surface deposit mapping
-  Natural land management plan
-  Environmental communication



# Groupe **Hemispheres**

is a dynamic team of professionals  
fulfilling its clients' needs while ensuring  
environmental respect.

## ENVIRONMENTAL ASSESSMENT

- Feasibility study
- Project notice
- Environmental impact assessment
- Follow-up with authorities
- Permits and Governmental Approvals
- BAPE's hearing, public consultation

## ECOLOGICAL MANAGEMENT

- Habitat creation and rehabilitation
- Enhancement of natural and man-made habitats
- Development constraints and opportunities
- Environmental monitoring
- Sampling – water/soil/sediment
- Surface runoff quality monitoring and hydrology



## LAKES AND STREAMS

-  Ecological diagnosis
-  Modelling of phosphorous retention in lakes
-  Watershed management plan
-  Ecotoxicological program
-  Waste water disposal system characterization and performance assessment
-  Naturalization plan
-  Dam rehabilitation and dredging operation
-  Vulnerability analysis for surface water intake
-  Public conference, meeting with elected officials, training and consultation



Our way of doing things  
raises the standards of  
environmental expertise



Our firm is relying on the deployment of decision-making tools based on remote sensing technologies. Drone assistance service expertise is also available to increase the quality and the quantity of data collected during fieldwork.

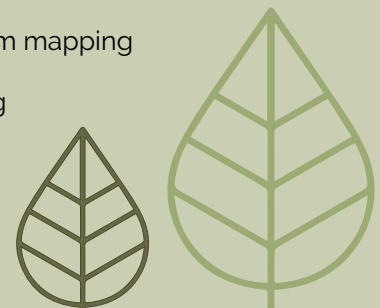
## USE OF DRONE FOR NATURAL LAND MANAGEMENT



- High definition georeferenced aerial cartography
- Fine-scale topography (DSM)
- Real-time visualization
- Data acquisition in inaccessible or hazardous areas
- Riparian strips or colonies of invasive plant species temporal monitoring
- Water levels fluctuation dynamic simulation

## DECISION-MAKING TOOLS BY REMOTE SENSING TECHNOLOGIES

- Water bodies freezing and break-up season daily monitoring
- Ice jams and floods detection and monitoring
- Estimation of chlorophyll a concentrations to document algal bloomss
- Mining effluents monitoring
- Predictive ecosystem mapping
- Land use monitoring



# Contact Us

---

[www.hemis.ca](http://www.hemis.ca)  
[info@hemis.ca](mailto:info@hemis.ca)

## HEAD OFFICE QUÉBEC

1001, route de l'Église, bureau 302  
Québec (Québec) G1V 3V7

T 418 903-9678

## LÉVIS OFFICE



21, rue Guenette  
Lévis (Québec) G6V 5M9

T 418 903-9678

## MONTRÉAL OFFICE

1453, rue Beaubien Est, bureau 301  
Montréal (Québec) H2G 3C6

T 514 509-6572

FOLLOW US  

TOLL-FREE 1 866 569-7140

