Polar Continental Shelf Program (PCSP or “Polar Shelf”)

- Established in 1958, the Arctic logistics business line is mandated through the *Resources and Technical Surveys Act* (1994) to: “coordinate logistics support and provide related assistance for the purposes of advancing scientific knowledge of the Arctic region and contribute to the exercise of Canada's sovereignty in that region and its adjacent waters.” (para. 8(1)).

- Established in the 1930’s, the Geological Survey of Canada’s Technical Field Support Services (TFSS) was added to PCSP as the equipment business line in 2007. TFSS provides the equipment for PCSP’s Arctic logistics science clients as well as many others across Canada.
MISSION
PCSP provides safe, efficient and cost-effective logistics services in support of science and Government priorities.

VISION
To be recognized, both domestically and internationally, as Canada's Centre of Excellence for logistics support over the Canadian land mass with a strong emphasis on contributing to the performance of science and the exercise of sovereignty in the Canadian North.
PCSP’s Technical Field Support Services (TFSS)

- PCSP provides specialized and rugged field equipment to remote research camps organized from its hub in Ottawa.

- TFSS operates a single inventory, multiple locations concept designed to minimize costs and reduce duplication in the provision of field equipment to various research clients and partners.

- Inventory of equipment (e.g., tents, field clothing, communication equipment, ATVs, boats, GPS units, and generators).

- TFSS is responsible for all phases of the life cycle management of field equipment (i.e., determining the requirements and procuring, receiving, identifying, cataloguing, shipping, repairing, maintaining and disposing of items).

- Equipment must be returned to the issuing dept at the end of each field season (minimum within the fiscal year of being issued).
PCSP’s Arctic Logistical Support Centre (ALSC)

- PCSP arctic logistical services include:
  - Coordination of air transportation to field camps
  - Aircraft (fixed wing and helicopter) support including fuel for field camps
  - Loan and storage of field equipment
  - Accommodations and working/storage space at the PCSP Resolute Bay facility
  - Laboratory facilities at Resolute Bay
  - On-going communications with clients out in the field
  - Advice on licensing and permitting
  - Equipment (through TFSS)
PCSP supports over 150 projects and 1100 scientists every year

Science projects range from anthropology to zoology and everything in between
PCSP’s Whole of Government Approach

- PCSP support to individual arctic research projects
- Partnerships: Arctic science program support
- Infrastructure

Partners
- AANDC - CHARS
- CPC
- CNNRO
- ArcticNet
- GEM
- CFATC
- Alert, Eureka

Federal Government Science Departments
- NRCan
- DFO
- EC
- Parks Canada
- CSA
- DRDC
- Etc...

Territorial Agencies
- Government of Nunavut
- Government of NWT
- Yukon Government
- Northern Colleges

Canadian Universities

Government of Canada

Natural Resources
Canada

Ressources naturelles
Canada
PCSP in-kind support to individual research projects

Indirect, in-kind support:
- Coordination of air transportation to and from field camps
- Procurement (aircraft, fuel, equipment, etc.)
- Communications and outreach on arctic science
- Resolute facility (internet, gym, laboratory, working space)
- On-going communications with clients out in the field
- Advice on licensing, permitting, field logistics, field equipment
- Life-cycle management of field equipment inventory

Direct, in-kind support:
- Aircraft (fixed wing and helicopter) flying hours
- Fuel for aircraft and field camps
- Loan of specialized field equipment
- Food and accommodations at the PCSP Resolute facility
Partnerships: Arctic Science Program Support

To maximize efficiencies, PCSP partners with major science programs to deliver their field logistics:

- ArcticNet (Network Centre of Excellence)
- UNCLOS
- Geo-Mapping for Energy and Minerals
- Canadian High Arctic Research Station
- Canadian Space Agency
- Defense Research and Development Canada

AND with non-science organizations to share resources and cost effectively meet Government of Canada objectives:

- Parks Canada Operations
- DND: Canadian Forces Arctic Training Centre
PCSP Infrastructure – Resolute Bay and Ottawa

Resolute Bay, NU

Sheffield Rd, Ottawa
Resolute Bay Community is a PCSP Partner

- PCSP has discussions on a regular basis with the hamlet and their council to gain their input and garner their continued support.
What’s next for PCSP

- PCSP has over 50 years of expertise in arctic logistics and is providing essential support to scientific field studies throughout the Canadian Arctic.
- Collaboration with DND creates operational efficiencies and extends the capacity of PCSP to support science.
- PCSP is working with Aboriginal Affairs and Northern Development Canada on a model for delivery of logistics for science supported out of the High Arctic Research Station in Cambridge Bay.
- Through the Arctic S&T Strategy discussions, options are being considered as to how to best maximize use of all federal infrastructure assets in the Arctic (including Eureka and possibly Alert).
Thank you

http://pcsp.nrcan.gc.ca/