



# ECRC~SIMEC

## Managing equipment stockpiles

Les journées d'information du Cèdre  
11 mars 2010

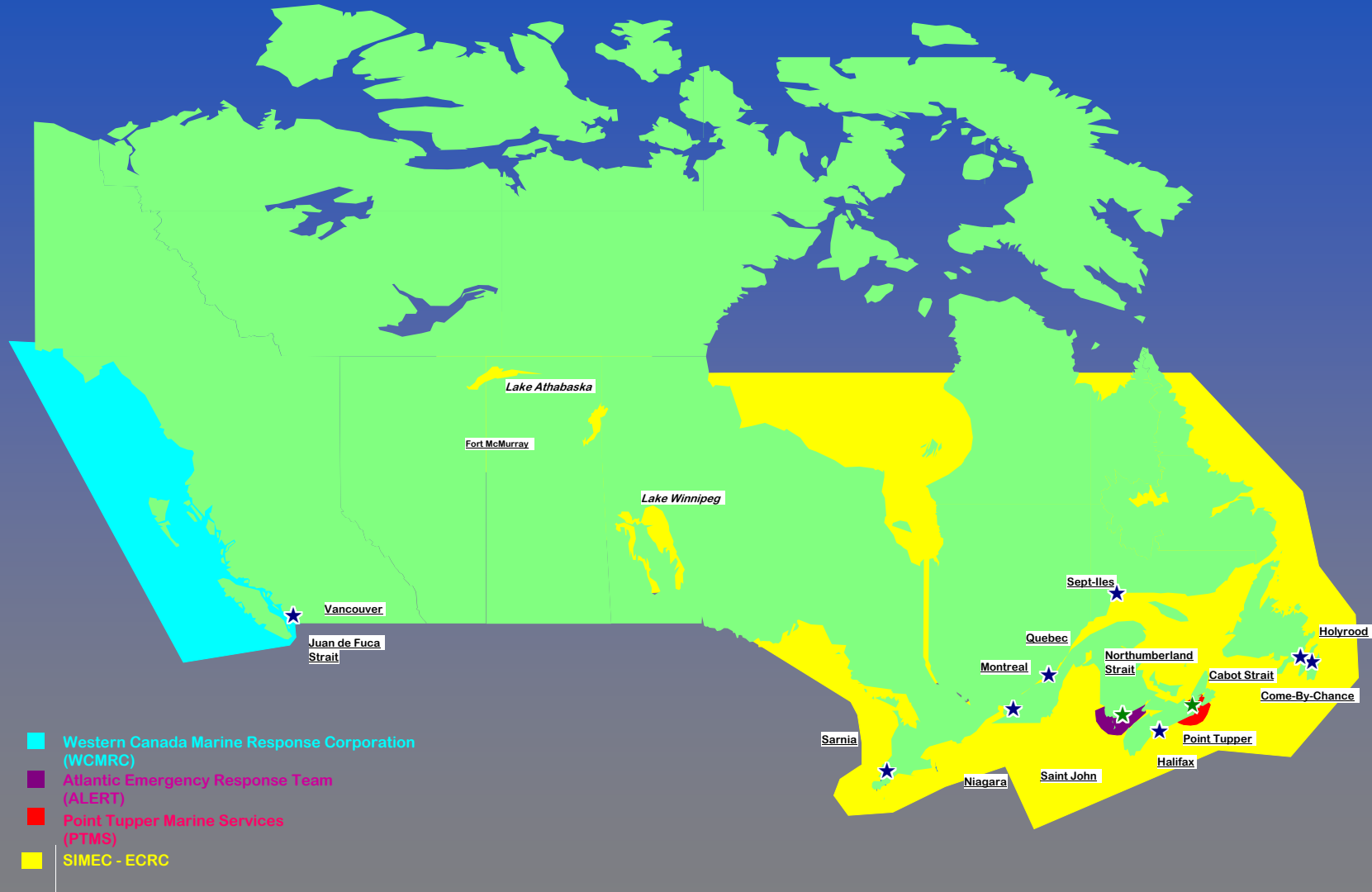


# Response Organisation

- Canada Shipping Act 2001
- Certification by Transport Canada
- Three years cycle
- ECRC certified November 2007, valid until November 2010
- Four certified Response Organisations in Canada



# Geographical Area of Response



# ECRC-SIMEC

- Four shareholders
  - Ultramar, ESSO, Shell, Sunoco (Petro-Canada)
- Over 2,300 members
  - Ships > 400 T, Tankers > 150 T, OHF
- Assets: over 43 M\$
- Annual budget: over 12 M\$
- Financing:
  - Fees per ship: 450\$ (10%)
  - BOCF: ¢ / tons of oil received (85%)



# ECRC-SIMEC, role

- ECRC provides Marine Oil Spill response services to a « Responsible Party » (RP) in case of an oil spill, when requested by the RP.
- ECRC can provide to the "On-Scene Commander" (OSC) a plan of action, equipment, resources and operational management for the confinement, recovery and clean-up operations following an oil spill on water.

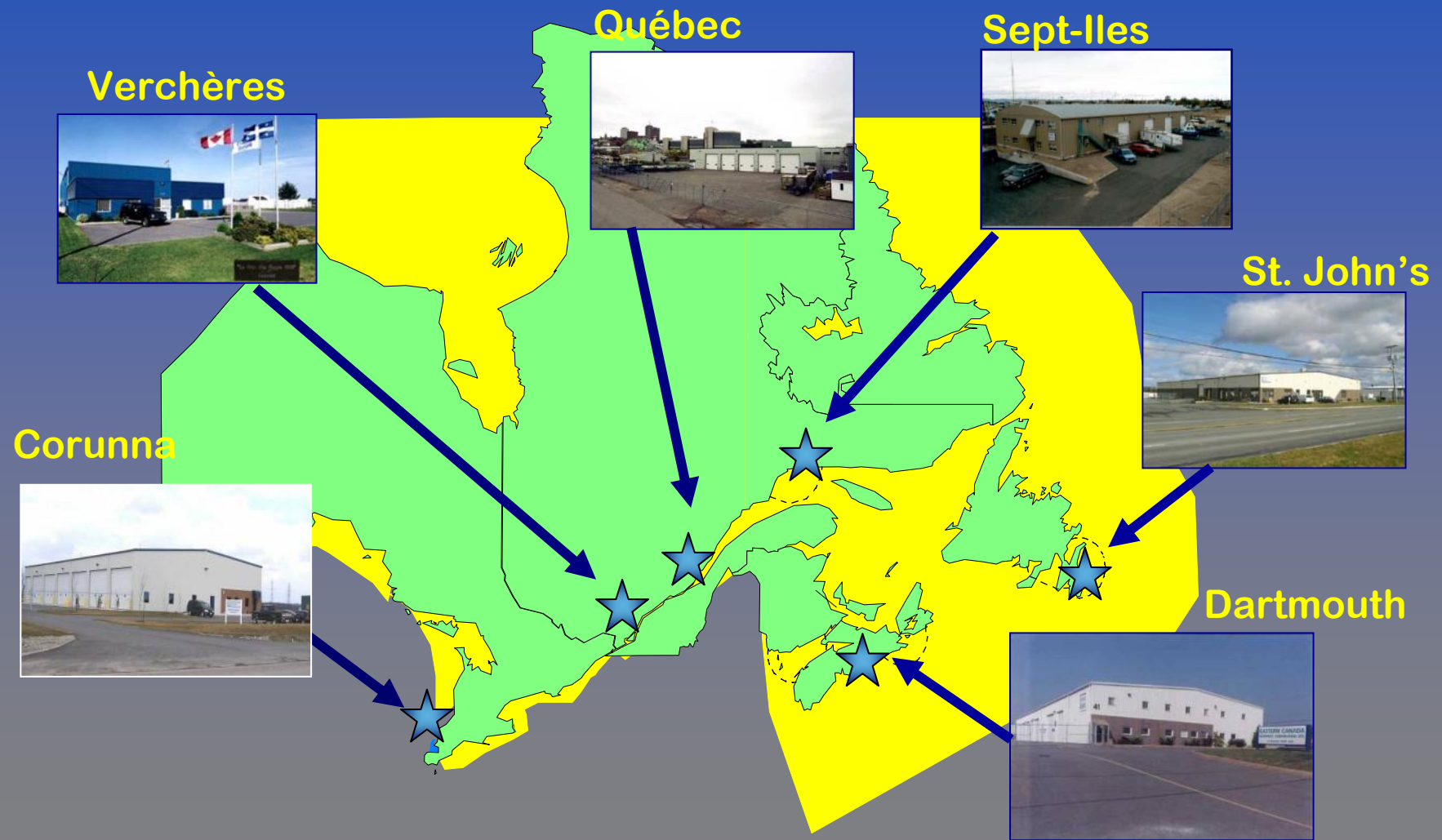


# Response capability

- Based on a risk evaluation
  - Designated port, PAR
- Planning standards
  - Port, 6 hrs max, 150 Tons, deployed
  - Port, 12 hrs max, 1000T, deployed
  - PAR, 18 hrs max, 2500 T, on site
  - PAR, 72 hrs max, 10000T, on site
  - Outside of PAR, 18 hrs, 72 hrs max, plus travelling time, on site



# Six Response Centres



# Personel

- **Management**
  - Permanent employees(38)
  - Advisors (100)
  - Support
- **Trained responders**
  - 519 responders
    - Specialised cics
    - Fishermen
- **Short notice hires**





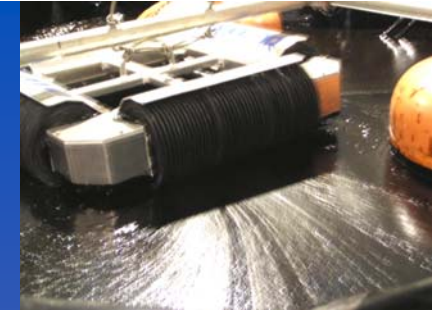
# EQUIPMENT



- 2,500 tonnes capacity at each response centres
- Road transportable
- Confinement, recovery, transfer, clean-up
- Trained operators accompany the equipment



# Equipments



- **Spreaded between six response centres:**
- Booms** 60 000 meters
- Skimmers** 100 of different models
- Vessels** 109, from 3,6 to 15 meters
- On water storage** 13 200 cubic meters
- Trailers** Over 200
- Communications** 11 repeaters, 150 radios
- Pumps, generators, misc. equipment**



[www.ecrc.ca... equipments](http://www.ecrc.ca...equipments)





**300 responses in 15 years**

12/08/2005

# Recapitalization program

- ECRC-SIMEC founded in 1994
- From four existing industry coops
- Cost effective, but created regional variations
- Bulk of the investment done in 1994
- Expecting a 20 yrs life cycle

Capital investment per period

| 1979  | 1994     | 1998    | 2003     | 2008 |
|-------|----------|---------|----------|------|
| 8 M\$ | 31.5 M\$ | 39 M\$  | 43.2 M\$ |      |
|       | 23.5 M\$ | 7.5 M\$ | 4.2 M\$  |      |



# Recapitalization program

- 20 yrs turn in 2014
- Aging of equipment varies
  - Boom, outboard, trailers, approx 15-20 yrs
  - Boats, skimmers, solid storage, 20-30 yrs
- Experience, new technologies, revised strategies -> can do differently
- Assessment of existing equipment done
  - Age, condition, suitability, remaining useful lif



# Recapitalization program

- Five year plan program
  - Theoretical replacement of everything
  - Taking into account
    - Certification requirement
    - Response strategies
    - Standardization
    - Optimization
    - Rationalization



# If replacement

- Consistent with vision and mission
- Standardize equipment packages and operating practices
- Optimize
  - Quantity; new technology; must have versus nice to have
- Rationalize
  - permanent inventory against readily available off the shelf
  - Leverage new technology and practises
- Balance planning standard requirements against actual response requirements
- Adjust equipment inventory to recognize special operating requirements e.g. oil in ice, wildlife hazing.



# Major categories of equipment

- Boom
- Sweep Systems
- Vessels
- Outboard Motors
- Storage (Large Barges; Solid and Flexible)
- Skimmers
- Pumps
- Shoreline Treatment
- Communications
- Trailers (Boat, Large / small Response, Containers, other)
- Vehicles
- Warehouse Facilities





# Changing or keeping?



# Changing or keeping?

- Useful?
- Functioning?
- Spare parts available?
- Reliable?
- Upgrading old equipment?
- Any industry standards??



# Recapitalization program

## Main categories

- Booms and sweep systems
- Outboard motors
- Trailers
- Skimmers
- Communication
- Vehicle
- 5 yrs plan
  - 7 M\$, main portion in 2011

