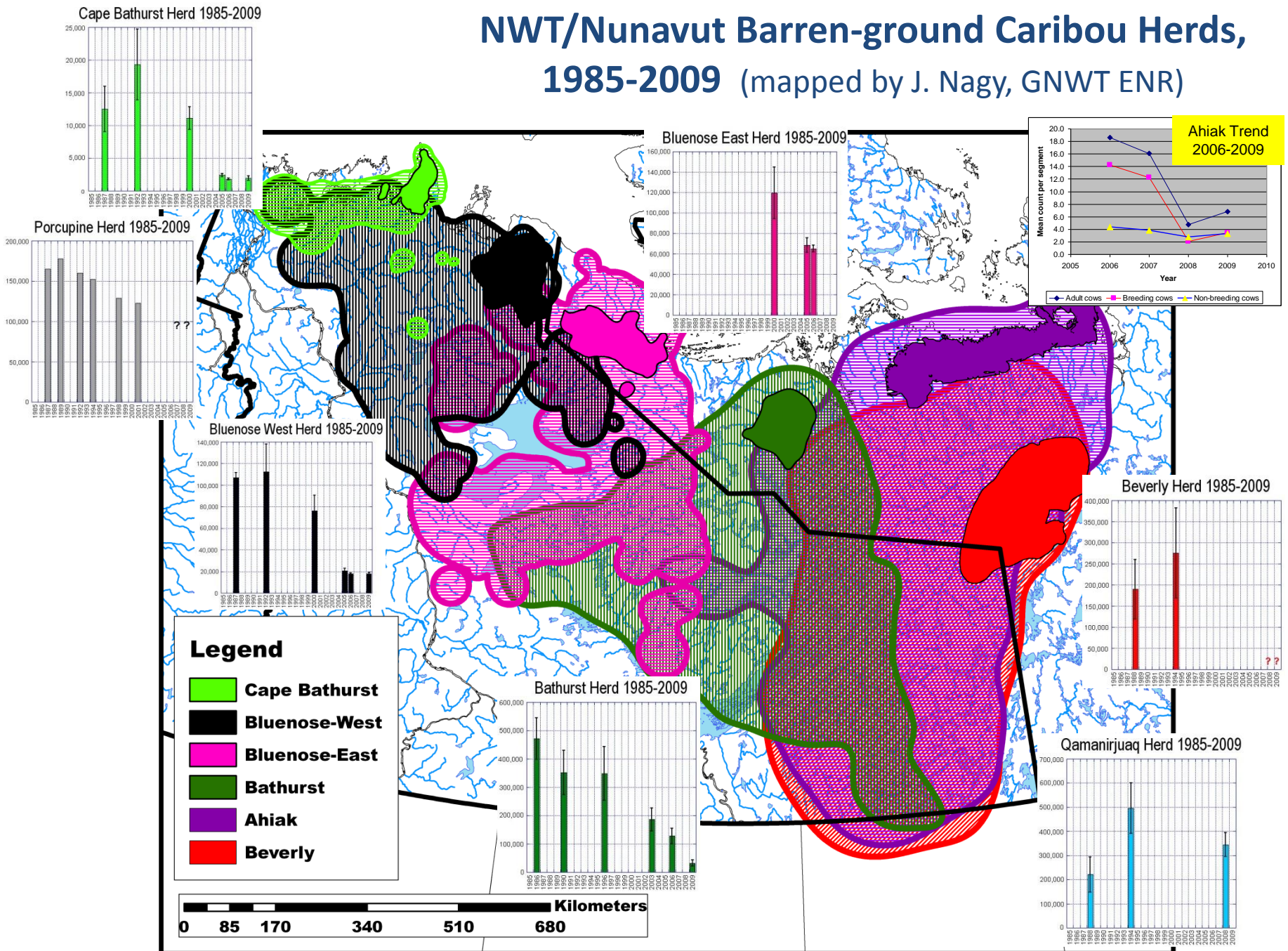
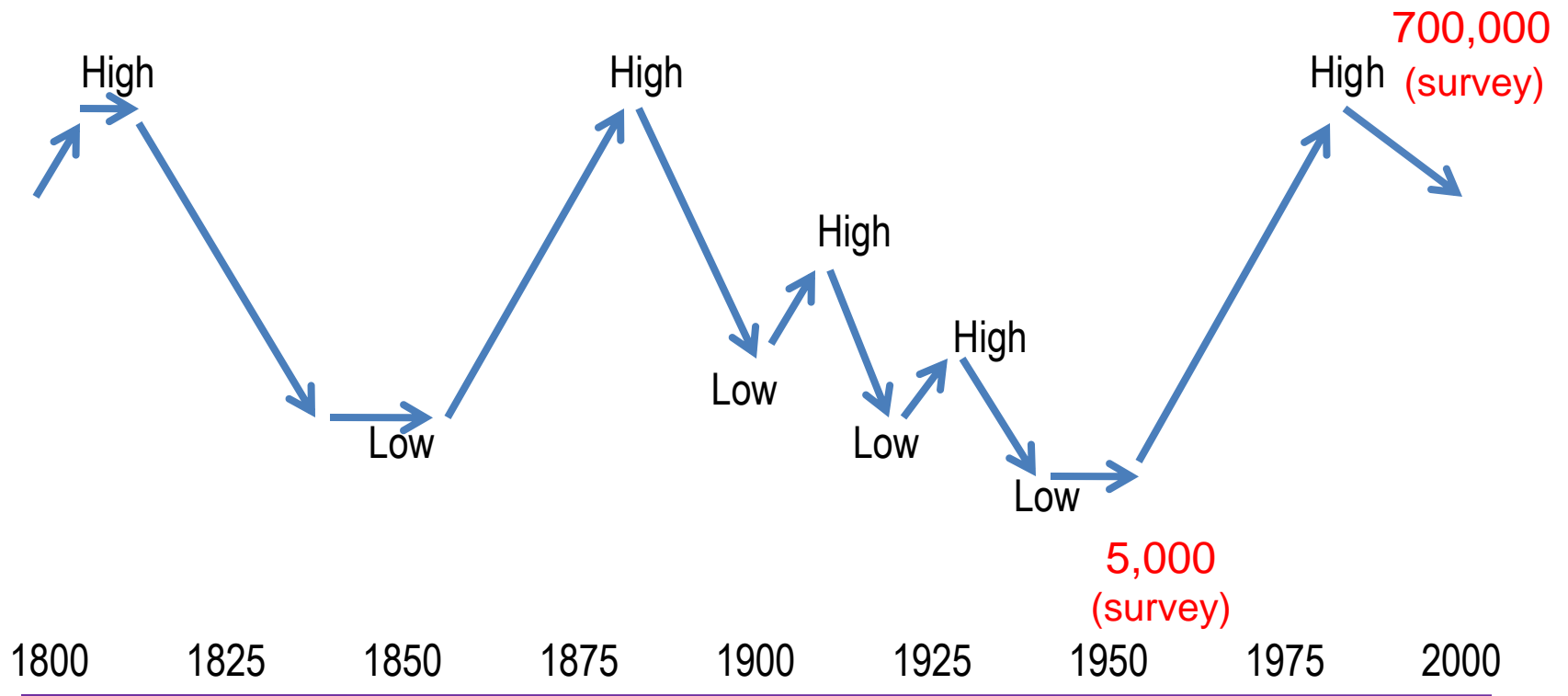


NWT/Nunavut Barren-ground Caribou Herds, 1985-2009 (mapped by J. Nagy, GNWT ENR)



George River Herd, Quebec/Labrador – Changes in Numbers

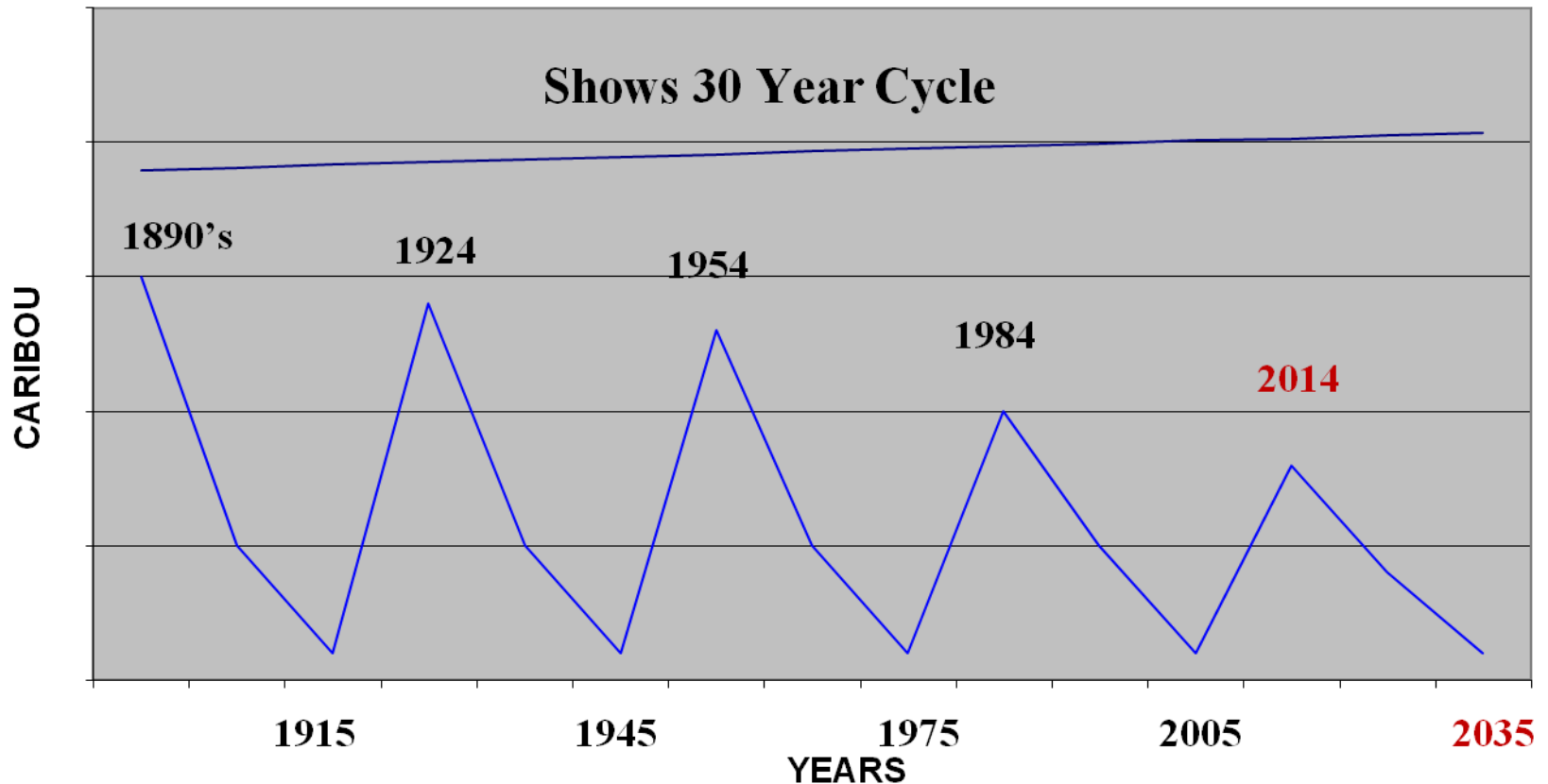
(based on spruce root scars & other information)



(adapted from Bergerud et al. 2008, The return of caribou to Ungava)

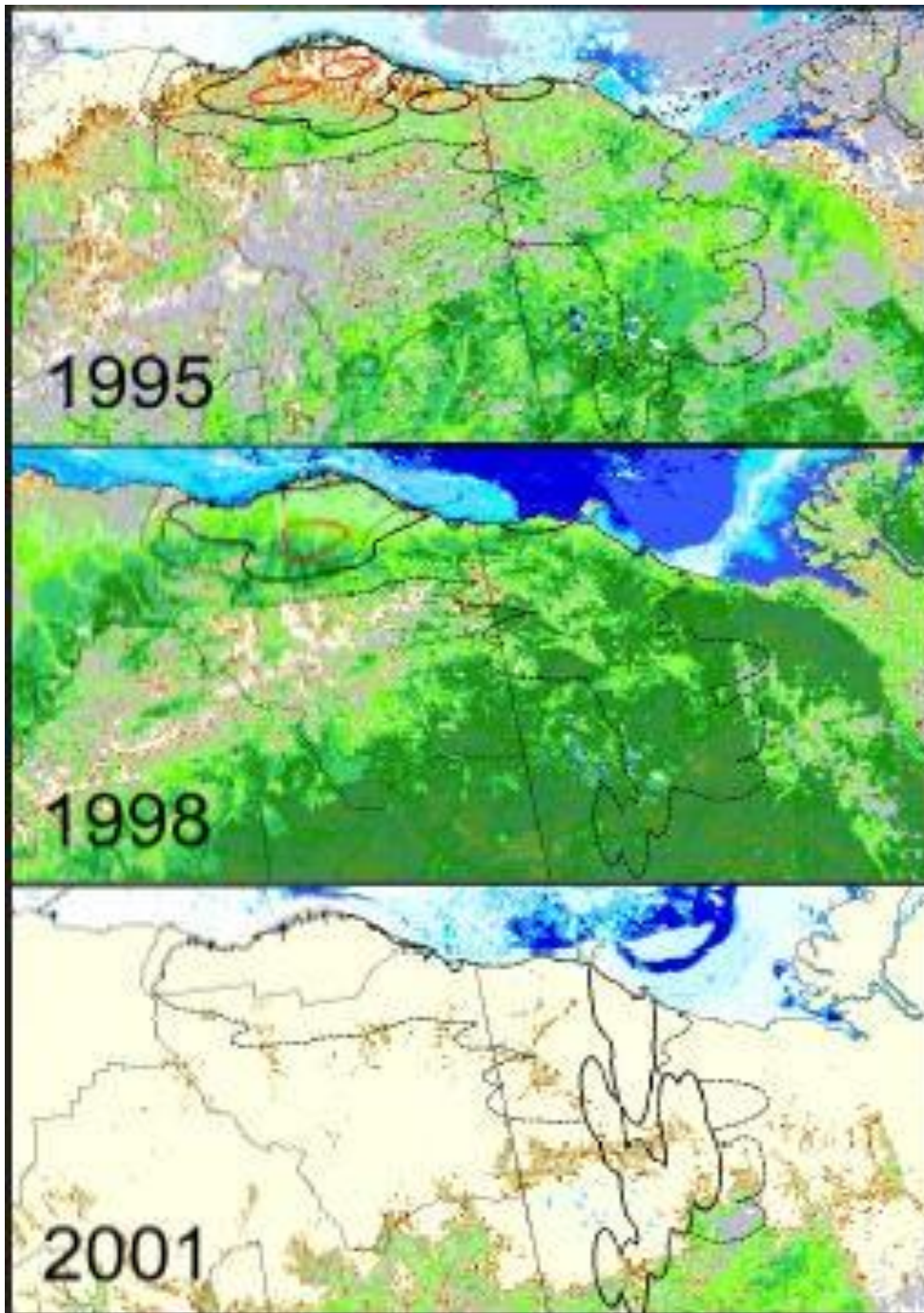


Caribou Cycles from Chipewayan Traditional Knowledge (Danny Beaulieu)



Porcupine Caribou Calving Grounds First week of June

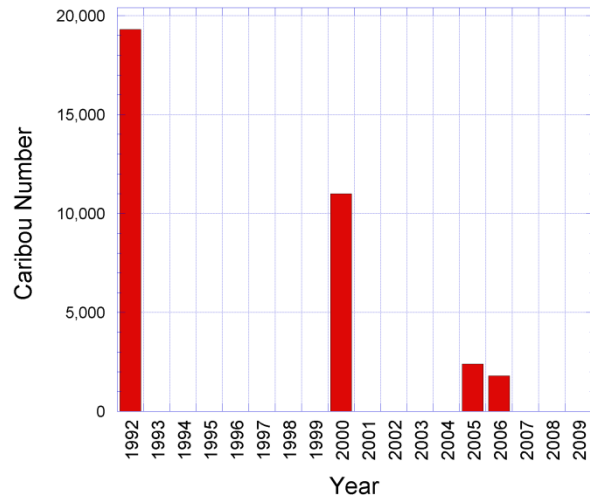
(from Griffith et al. 2002)



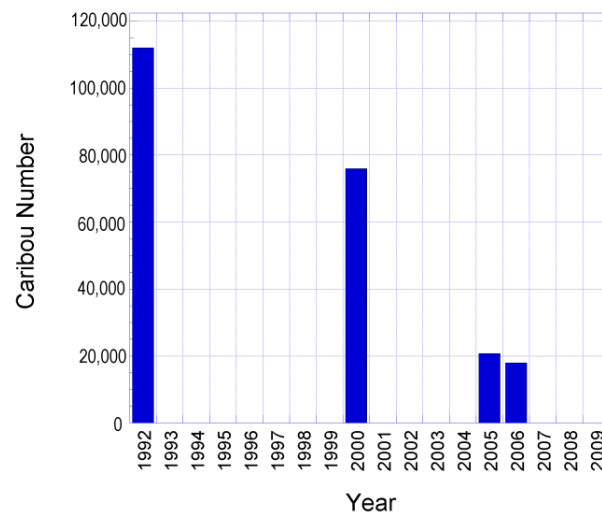
Declines in the Cape Bathurst, Bluenose West & Bathurst herds

1992-2009

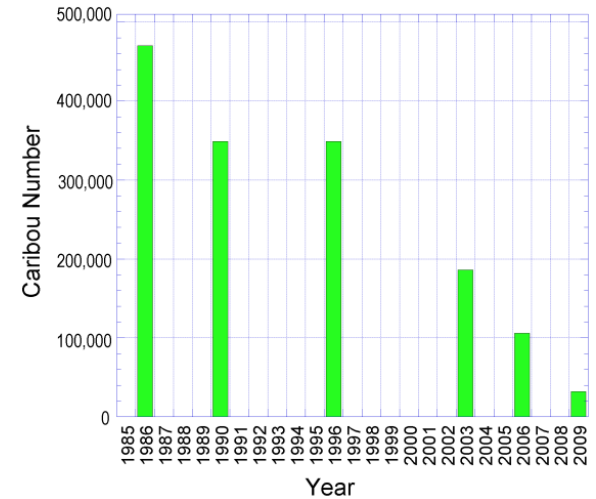
Cape Bathurst Herd 1992-2000



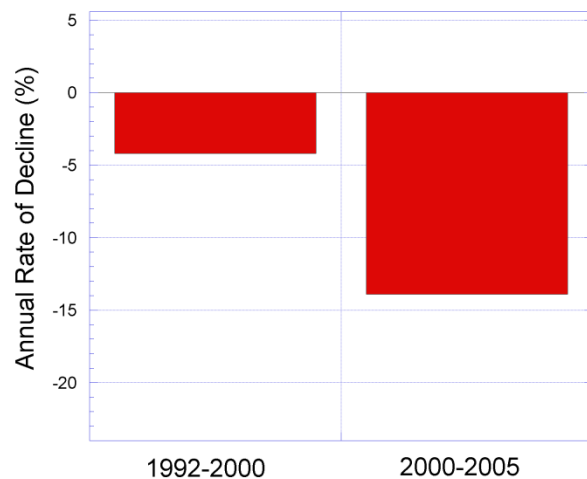
Bluenose West Herd 1992-2008



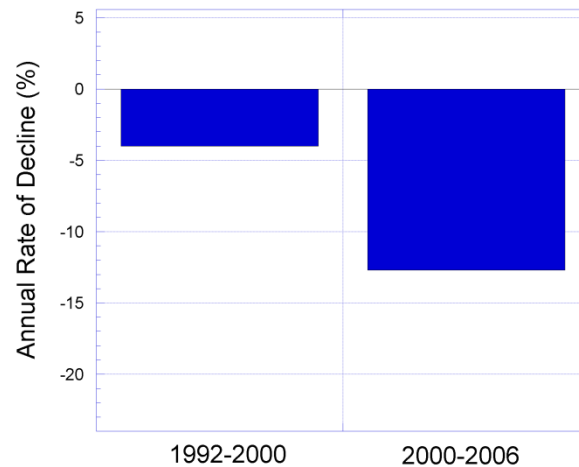
Bathurst Herd Size 1985-2009



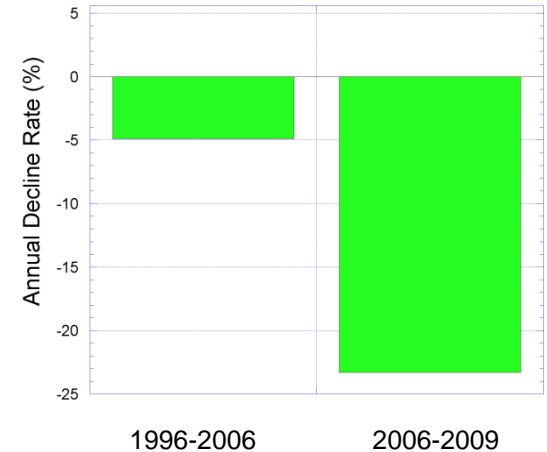
Cape Bathurst Herd 1992-2006 - Rate of Decline



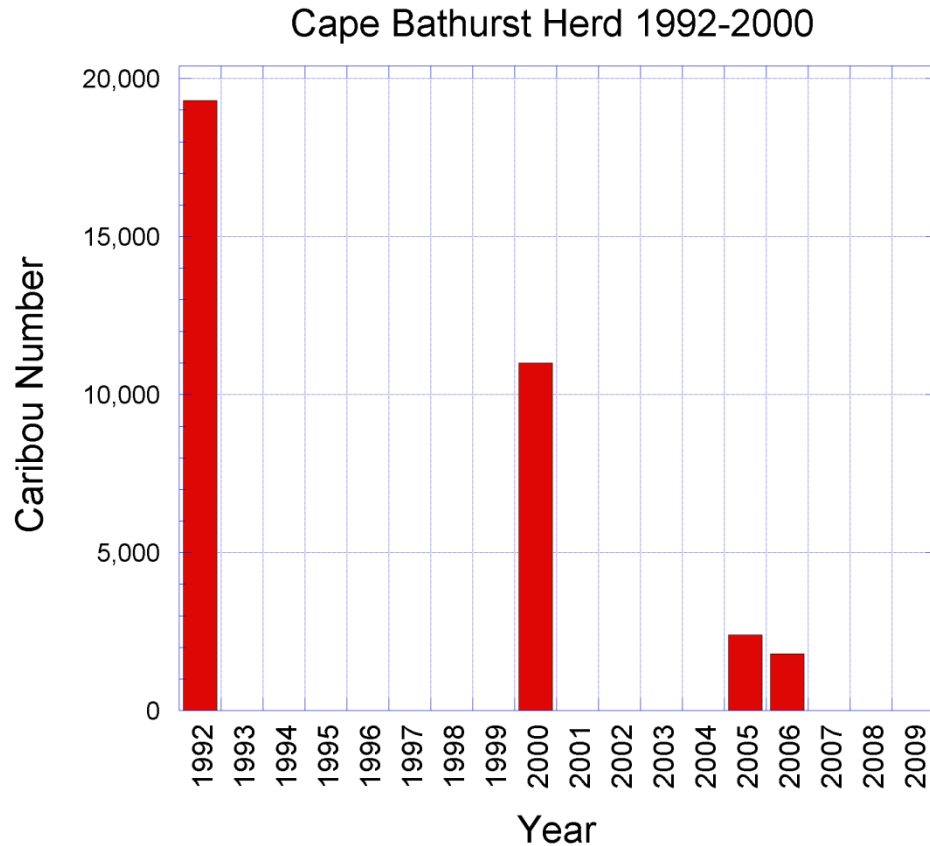
Bluenose West Herd 1992-2006 Rate of Decline



Bathurst Herd 1996-2009 Rate of Decline



Cape Bathurst Trends 2000-2006

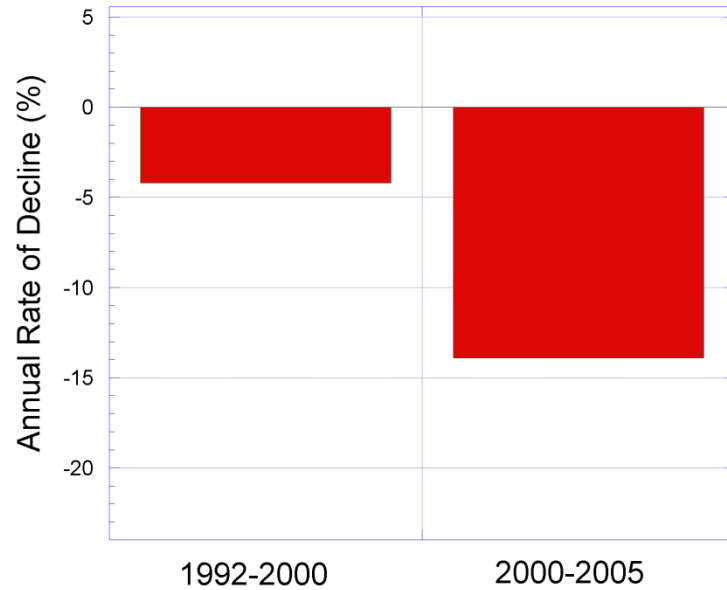


2000-2006:

- Late calving
- Low cow:calf ratios on calving ground
- Likely declining natural trend
- Estimated harvest 730 caribou (2005)
(mostly cows)

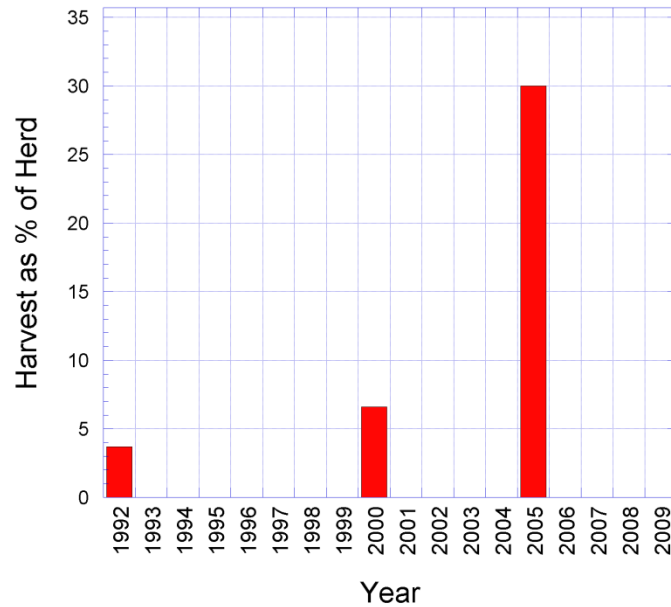


Cape Bathurst Herd 1992-2006 - Rate of Decline



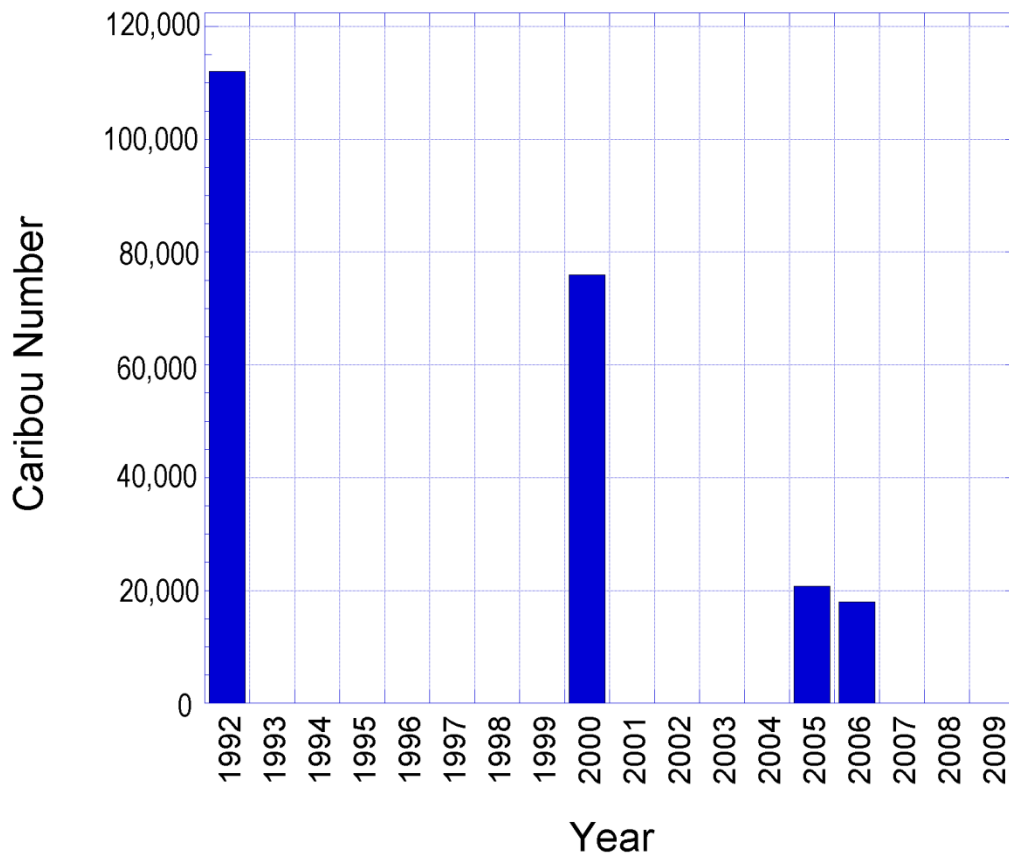
Cape Bathurst Herd:
Increased Decline with
Constant Harvest

Cape Bathurst Harvest as % of Herd
(Constant Harvest of 730 caribou)



Bluenose West Trends 2000-2006

Bluenose West Herd 1992-2008

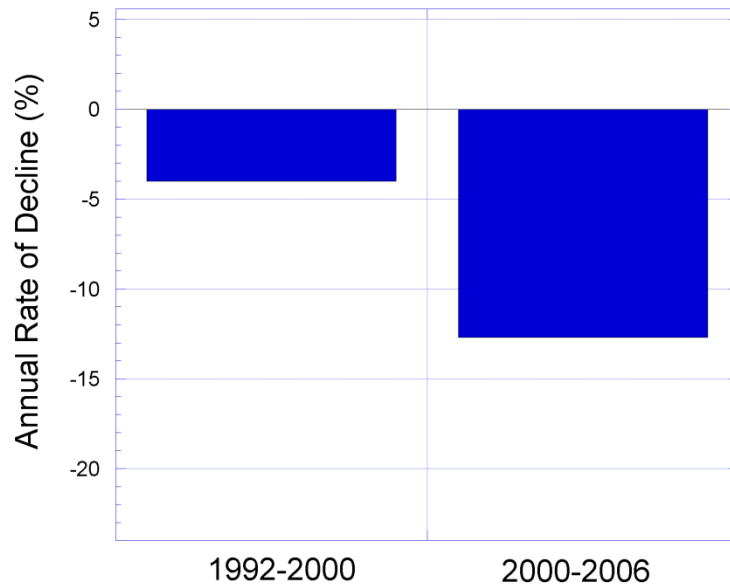


2000-2006:

- Late calving
- Low cow:calf ratios on calving ground
- Likely declining natural trend
- Estimated harvest 1900 caribou (2005) (mostly cows)



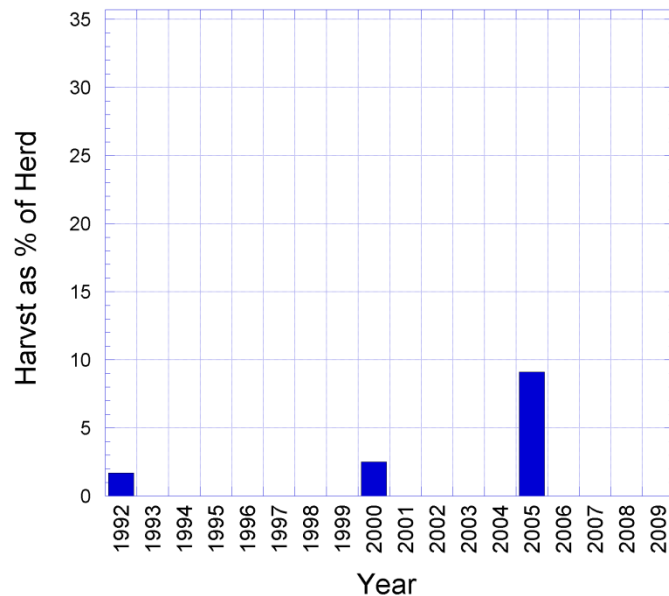
Bluenose West Herd 1992-2006 Rate of Decline



Bluenose West Herd:
Increased Decline with
Constant Harvest
(Mostly Cows)

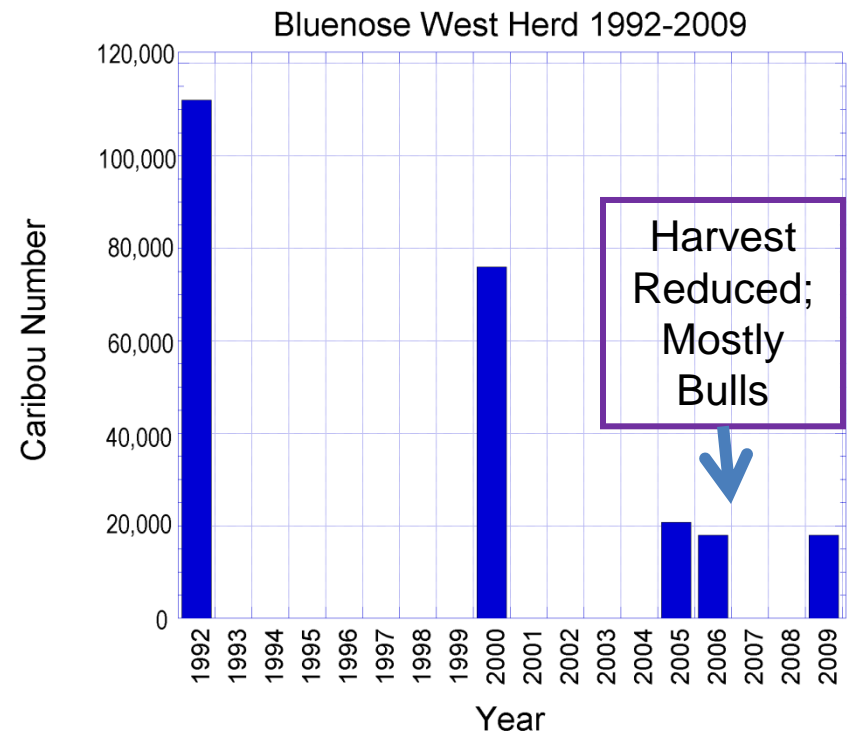
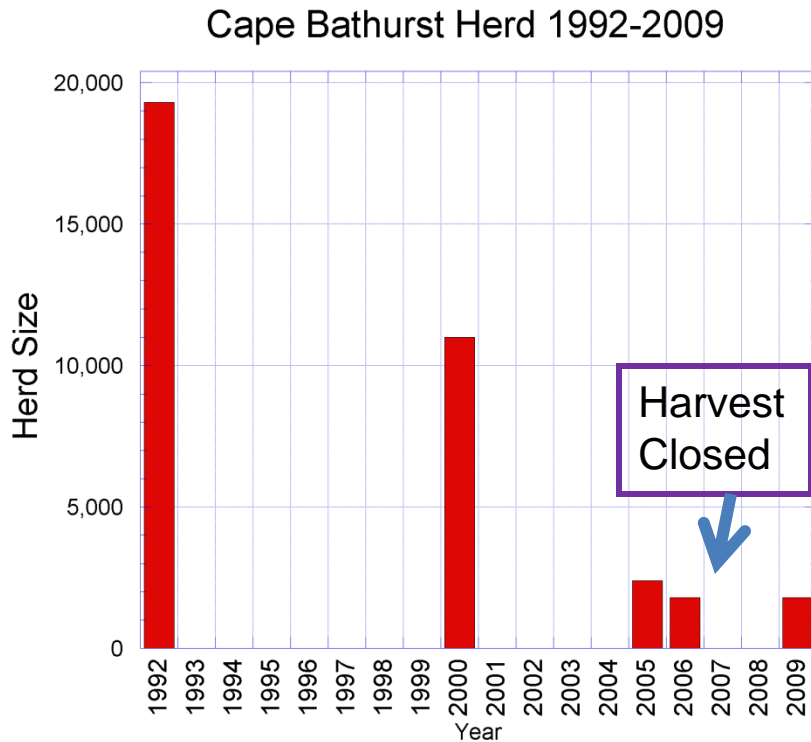


Bluenose West Harvest as % of Herd
(Constant Harvest of 1900 caribou)

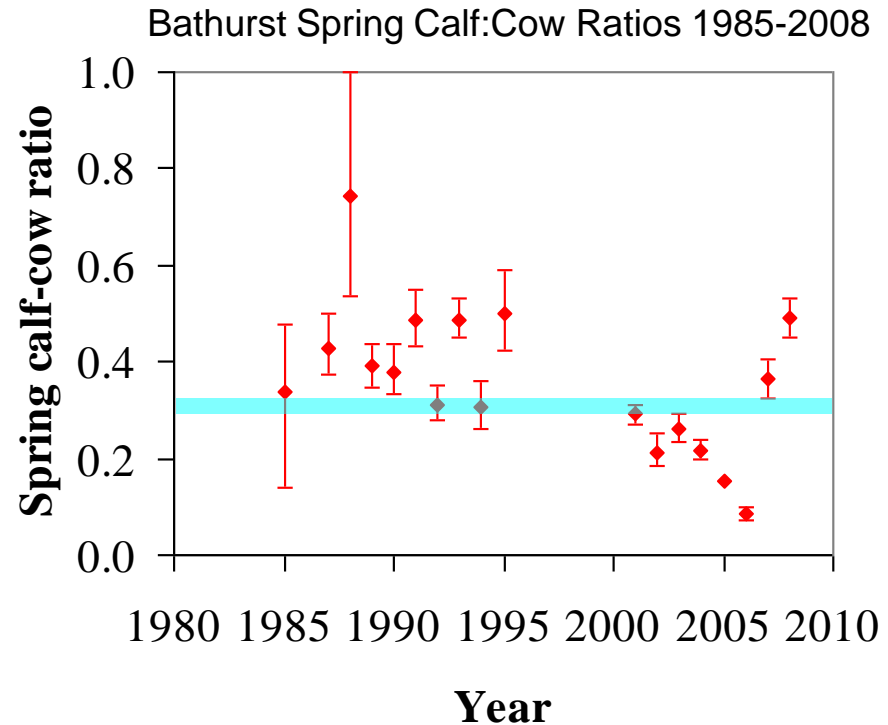
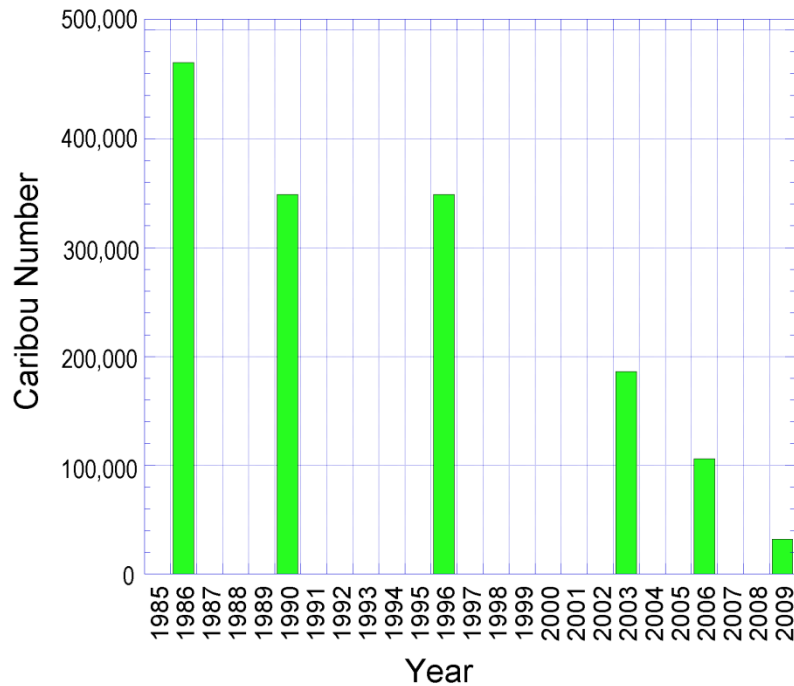


Cape Bathurst & Bluenose West Herds:

Harvest Management



Bathurst Herd Size 1985-2009



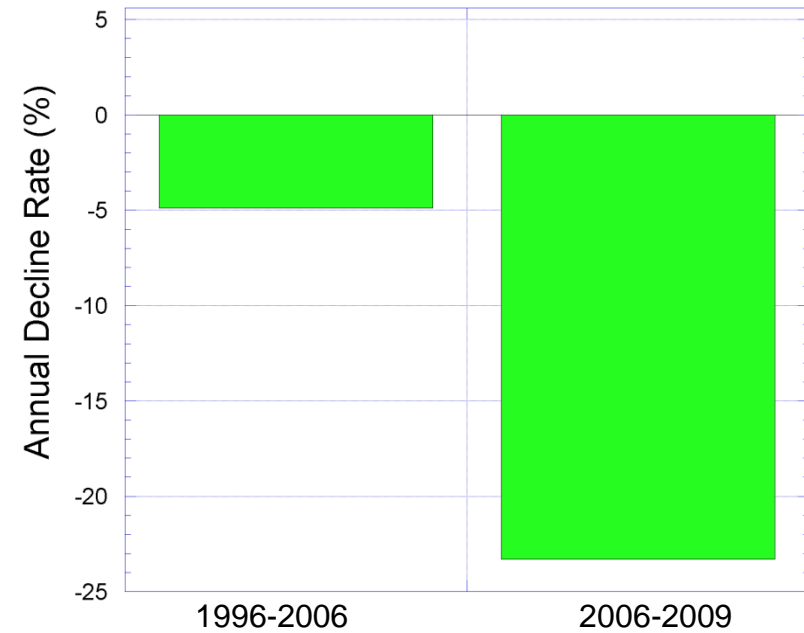
2000-2006 trends:

- Late calving
- Low calf survival
- Low bull:cow ratios
- Likely declining natural trend
- Estimated harvest 5000-7000 caribou (2008) (>50% cows)

Bathurst Caribou Herd Trends 2000-2008

*(Estimated harvest 16,000 caribou/year
Dogrib Harvest Study, early 1990's)*

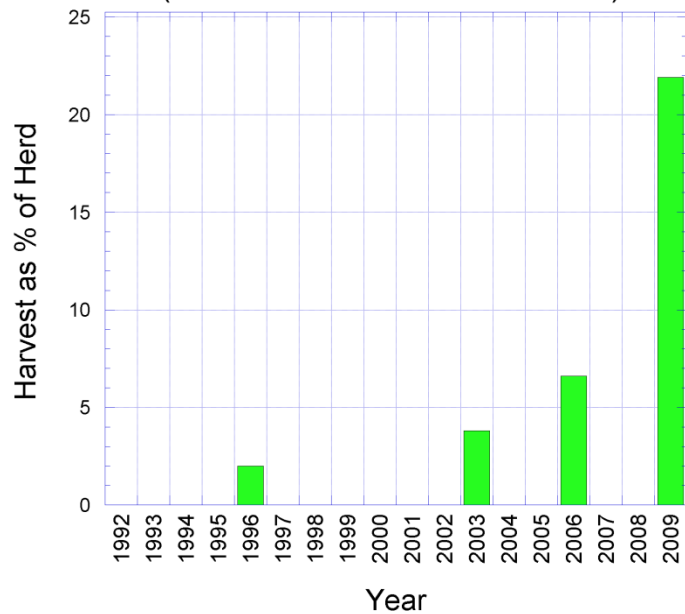
Bathurst Herd 1996-2009 Rate of Decline



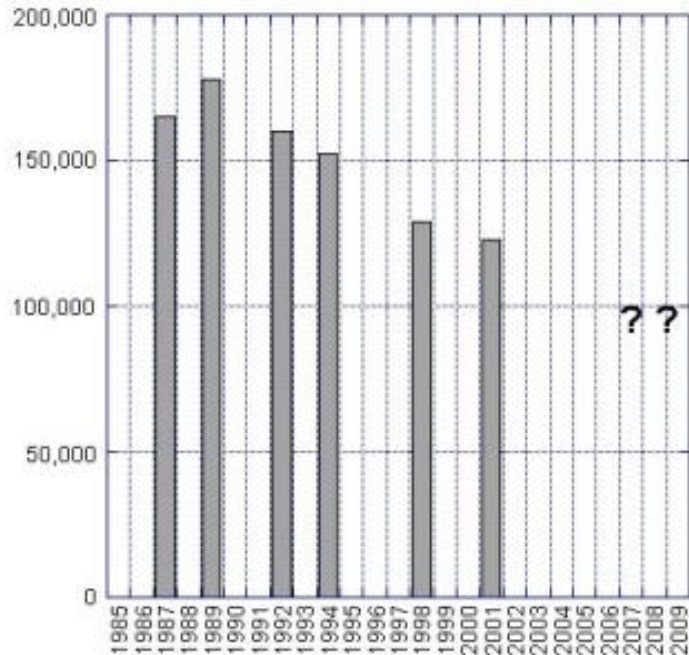
Bathurst Herd: Increased Decline
with Constant Harvest
($>1/2$ Cows)



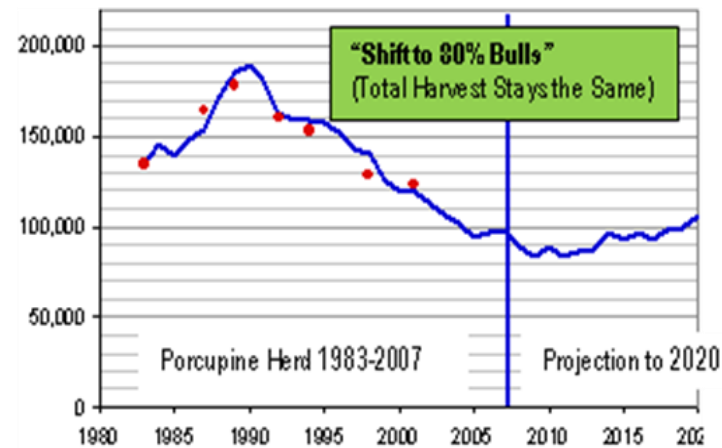
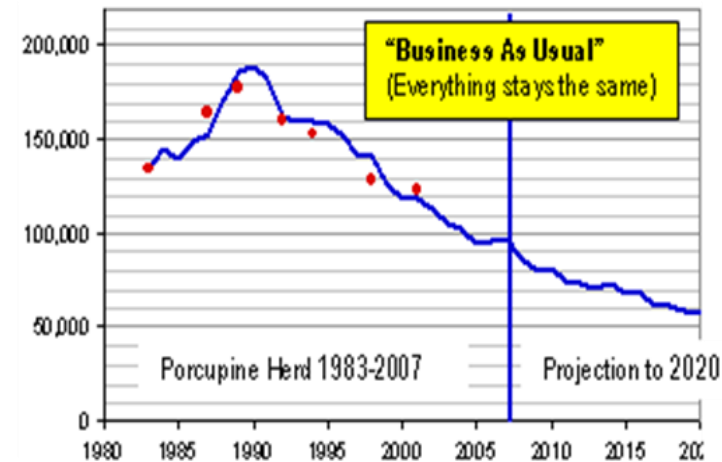
Bathurst Harvest as % of Herd
(Constant Harvest of 7000 Caribou)



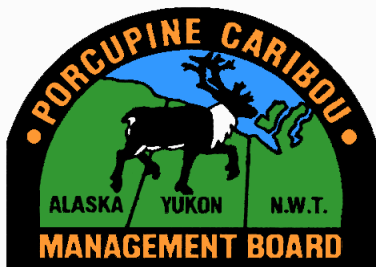
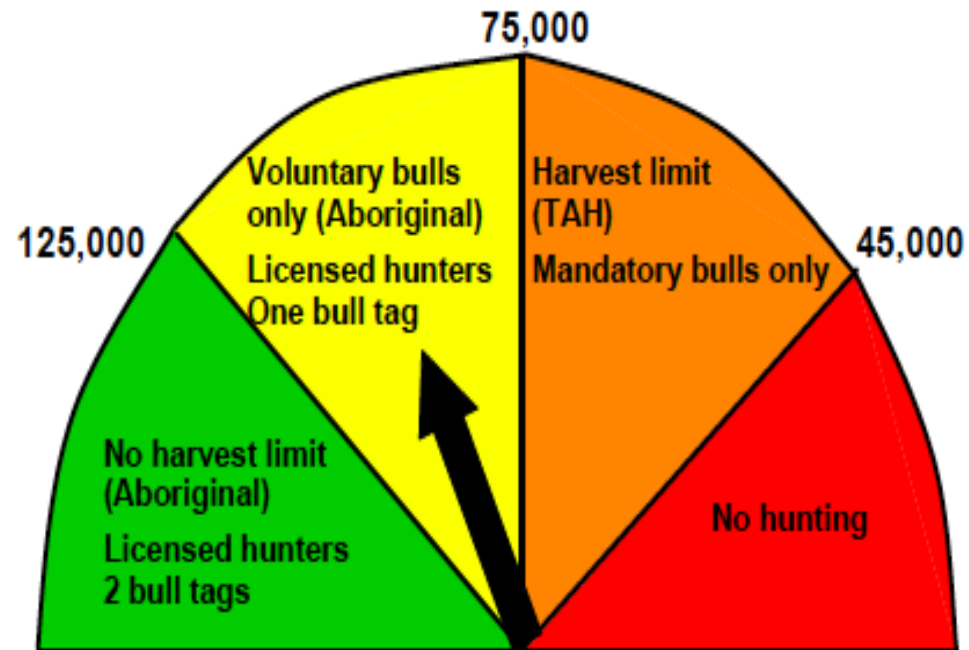
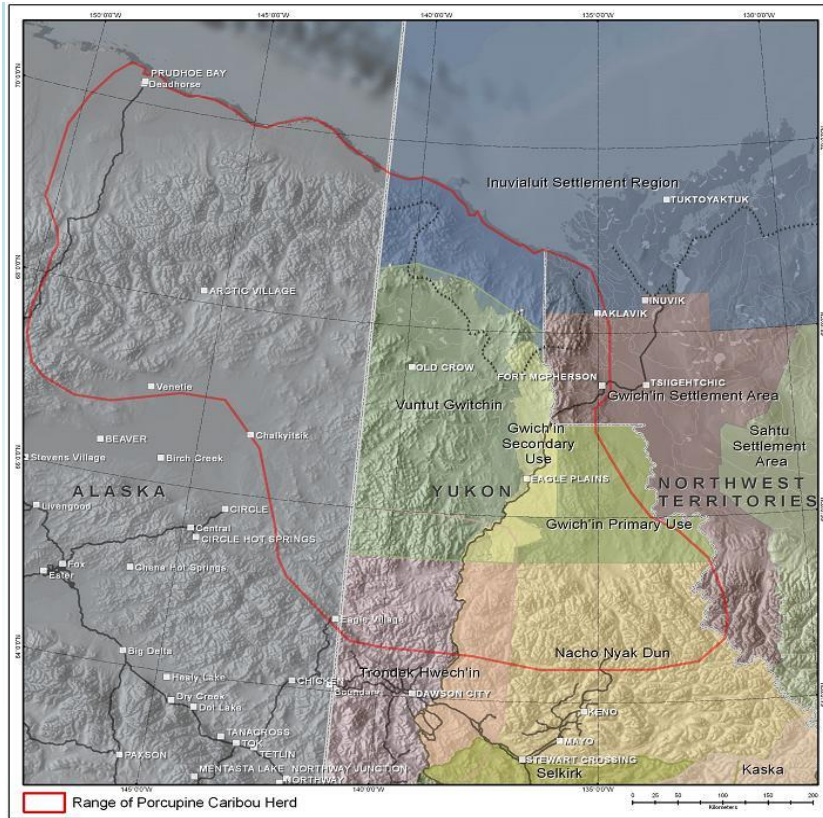
Porcupine Herd 1985-2009

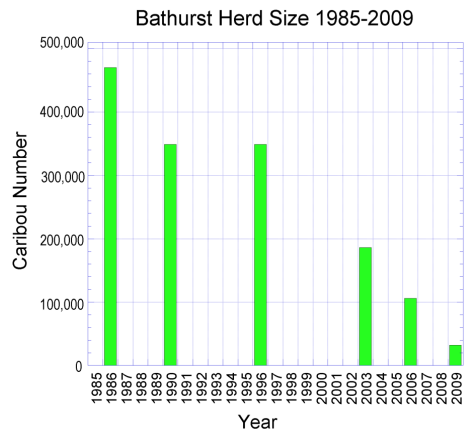


Porcupine Caribou Calculator

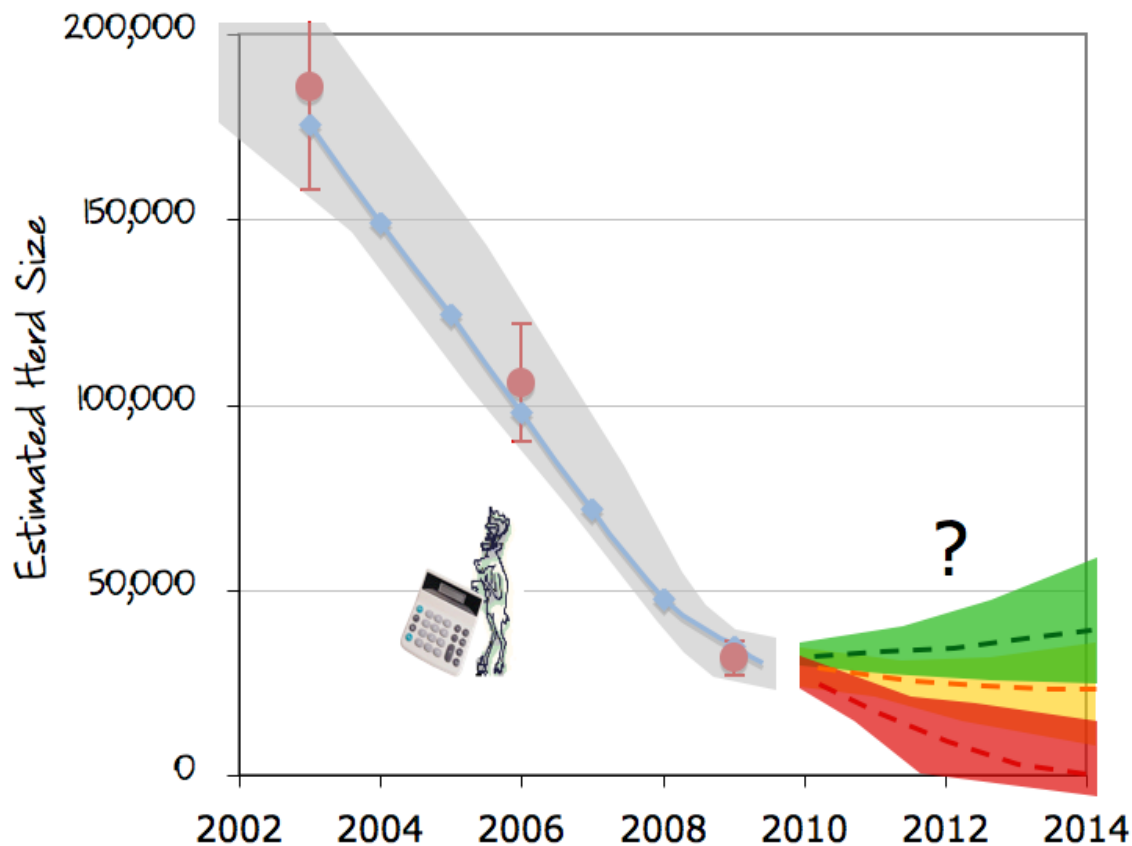
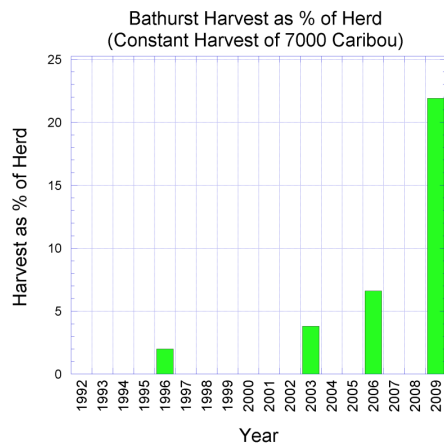
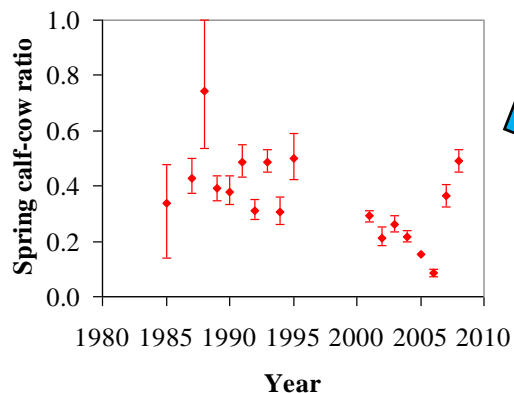


Porcupine Caribou Management Board Harvest Management Plan (2009)

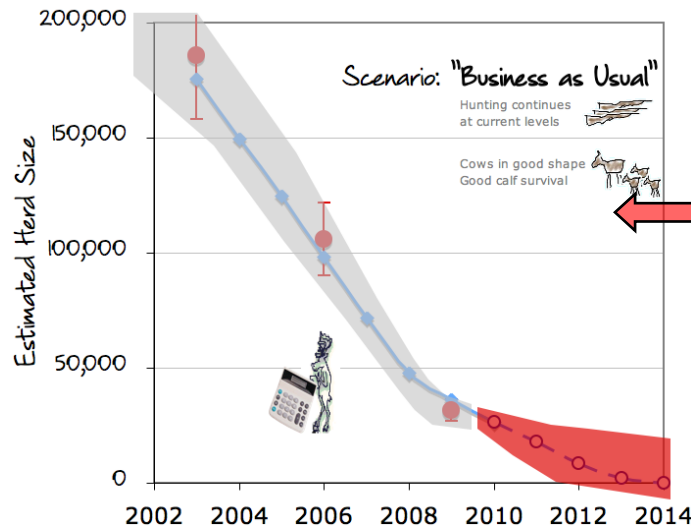




Developing the Bathurst Caribou Calculator (2008-2009)

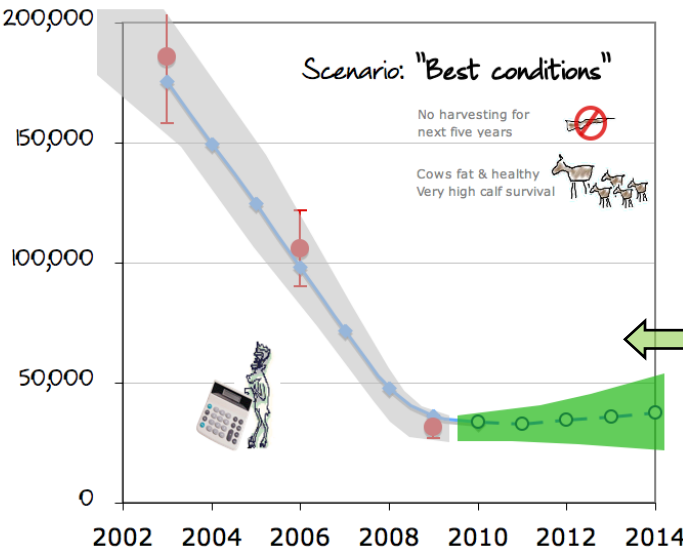
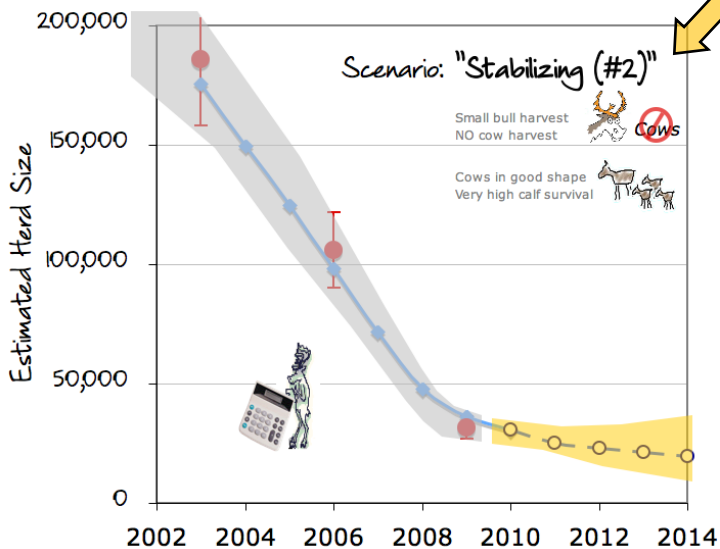


Bathurst Caribou Herd: 5-year Prospects



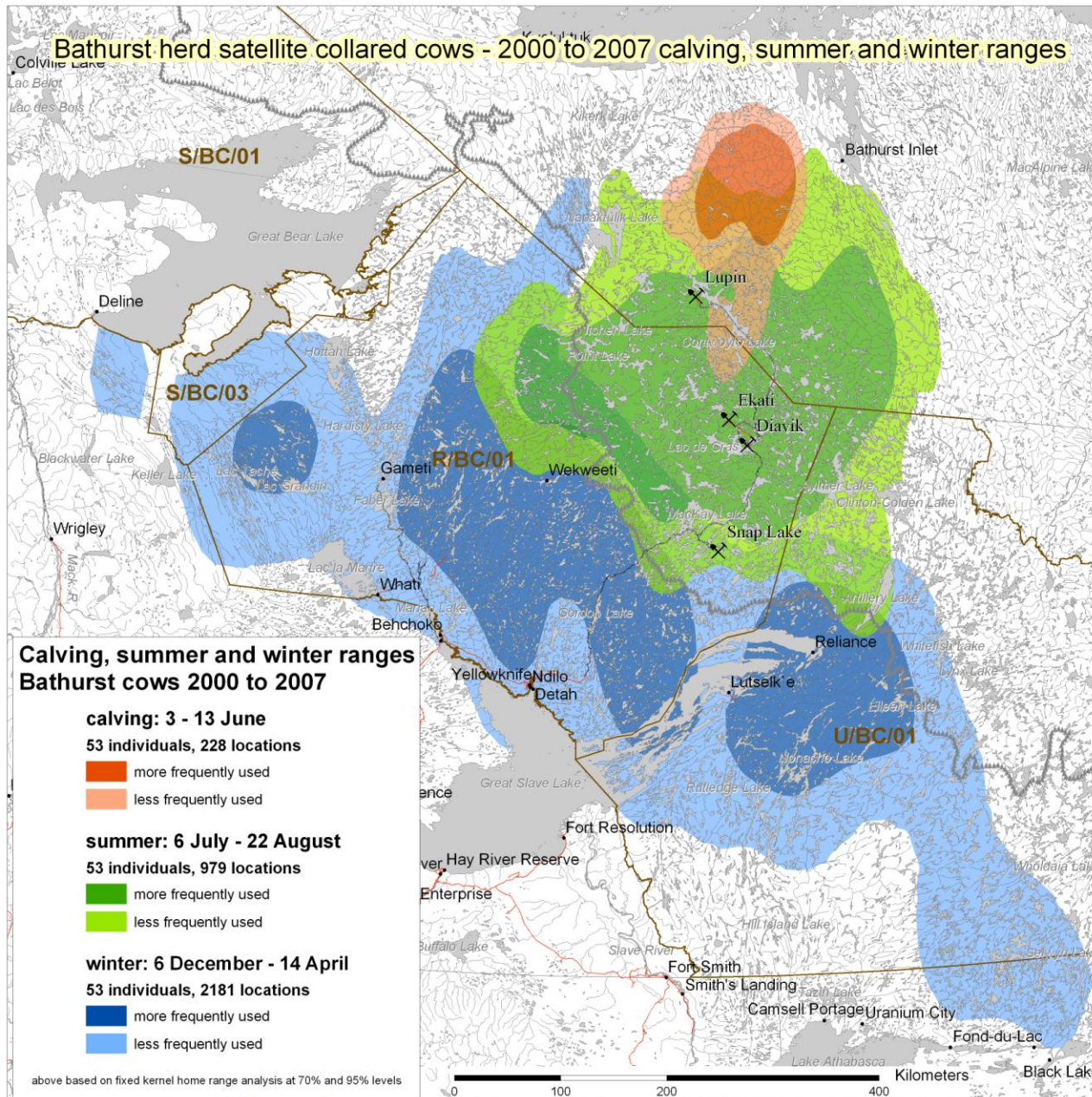
Business as Usual
If the hunter harvest stays the same, cows stay in good shape, and recent good calf survival continues, the herd will most likely disappear in the next 4-5 years. There is no level of calf production or survival that can compensate for current high cow death rates.

Stabilizing Scenario #2
If there is no cow harvest for the next 5 years and a limited small bull harvest, cows are in good shape, and calf survival is very good, the decline should slow down and the herd might begin to stabilize.



Best Conditions
If there is no harvest for 5 years, cows stay in very good shape, and calf survival is very good, the herd might stabilize and start to increase.

Currently the herd has a large proportion of young caribou that are not yet breeding. This is one reason why an increase in the herd can at best be slow under best conditions.



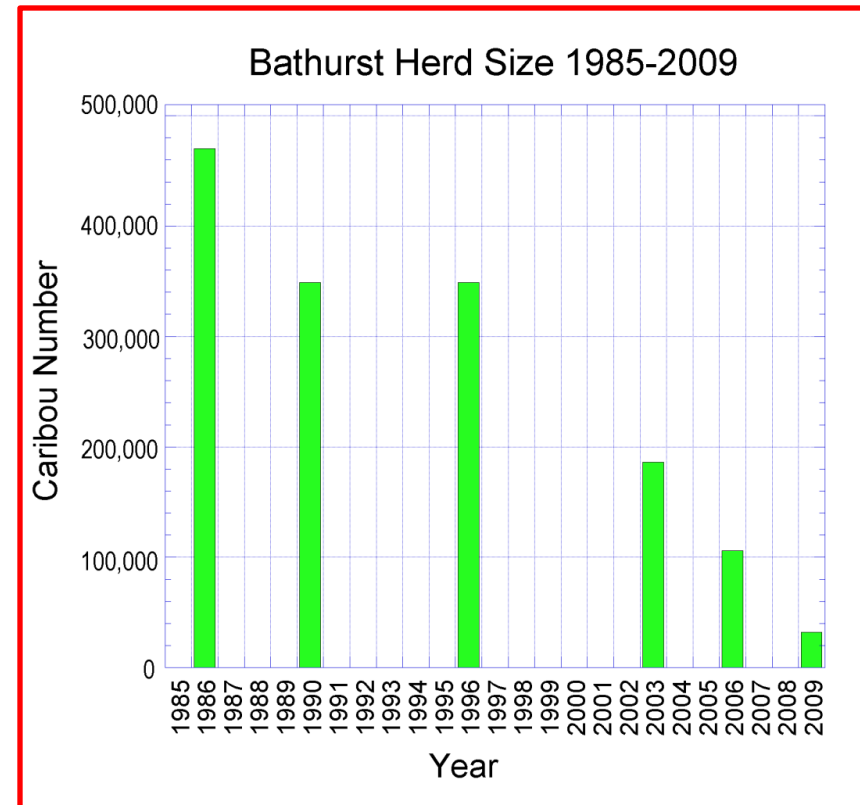
**Bathurst Caribou Range:
350,000 km²:**

Managing on a big scale

(3 X size of Newfoundland)

Bathurst Caribou – Management

1. Bathurst June 2009 survey – rapid decline
2. Workshops, Meetings, Information Sharing:
July – Dec. 2009 (on-going)
3. Joint Management Proposal
(TliCho & GNWT) Nov 5, 2009
4. i Renewable Resources Board
Hearings Jan. 2010
5. Consultation with all partners, aboriginal
governments – November



NWT/Nunavut Barren-ground Caribou Herds, 1985-2009 (mapped by J. Nagy, GNWT ENR)

