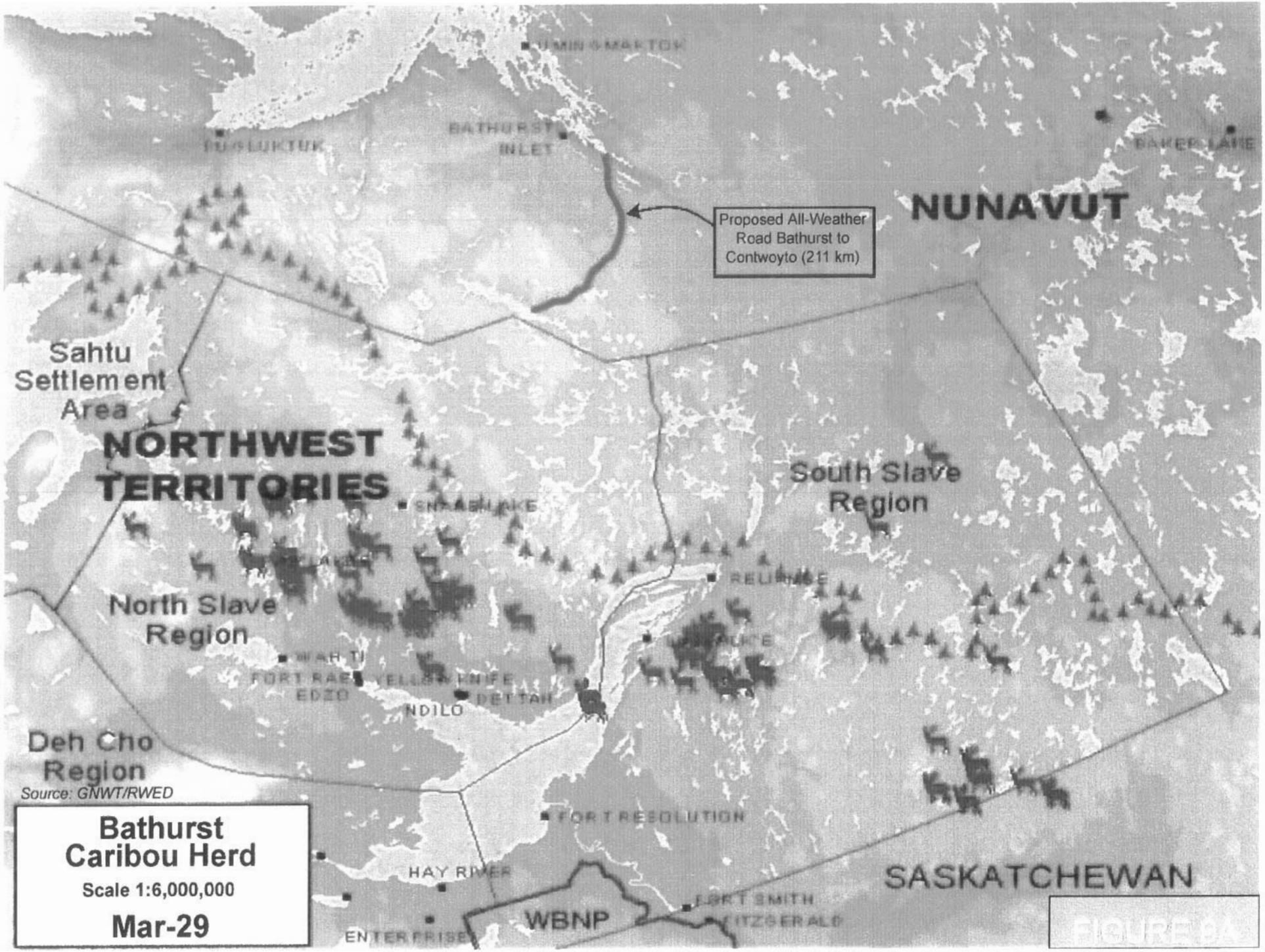

Proposed All-Weather Road Bathurst to Contwoyto (211 km)
NUNAVUT
Sahtu Settlement Area
NORTHWEST TERRITORIES
South Slave Region
North Slave Region
Deh Cho Region
WBNP
SASKATCHEWAN
Source: GNWT/RWED
Bathurst Caribou Herd
Scale 1:6,000,000
Mar-29

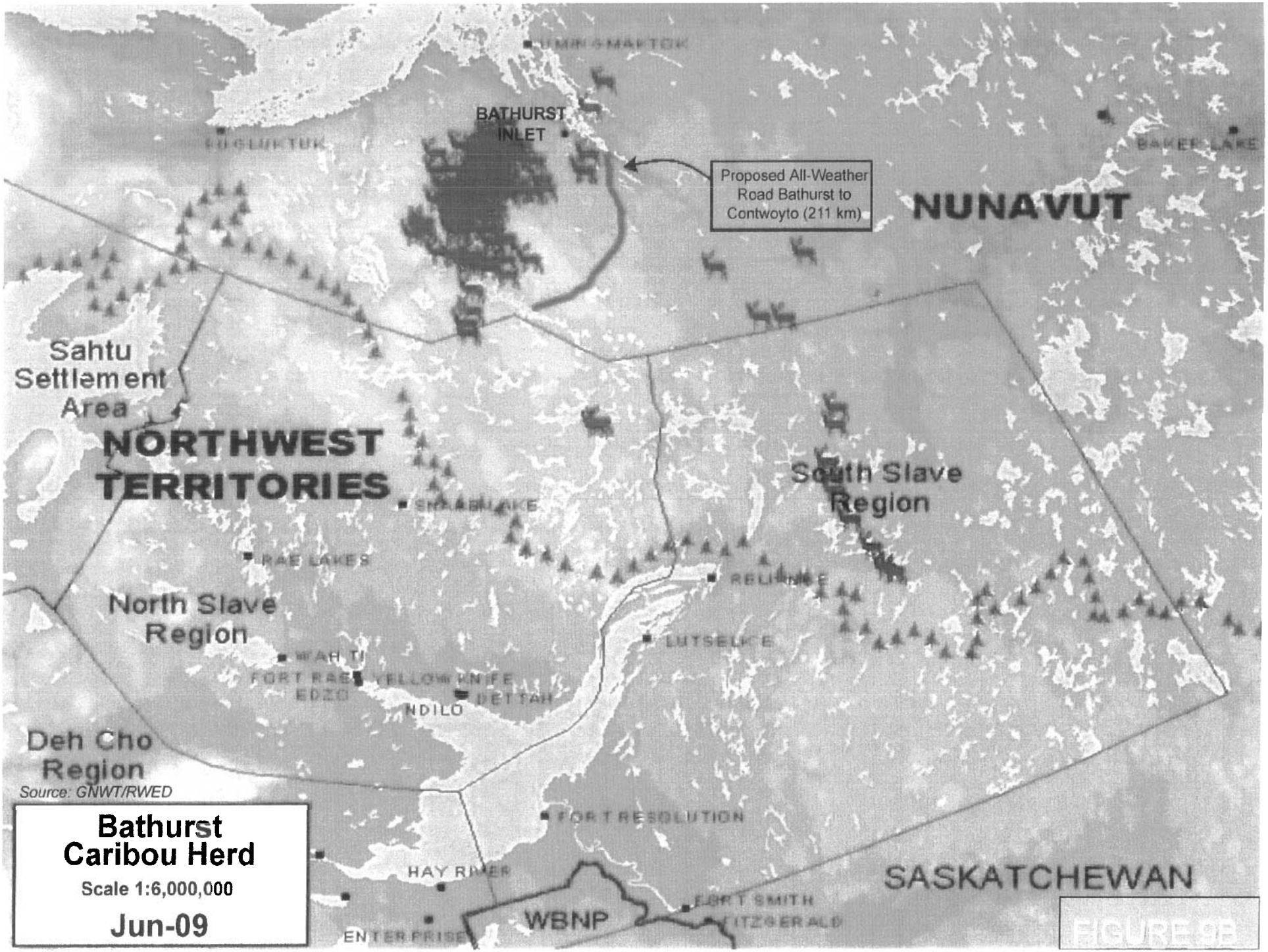
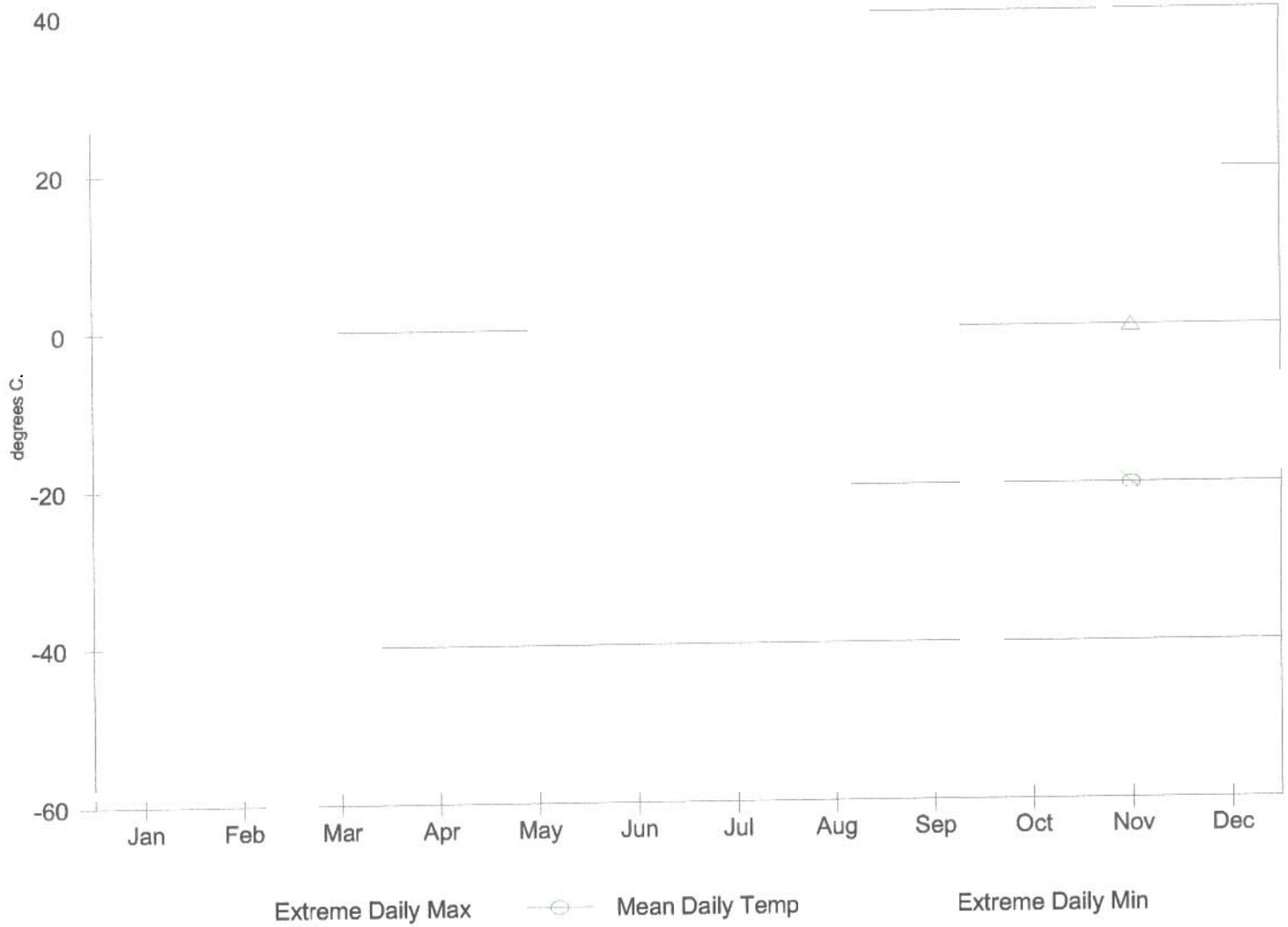
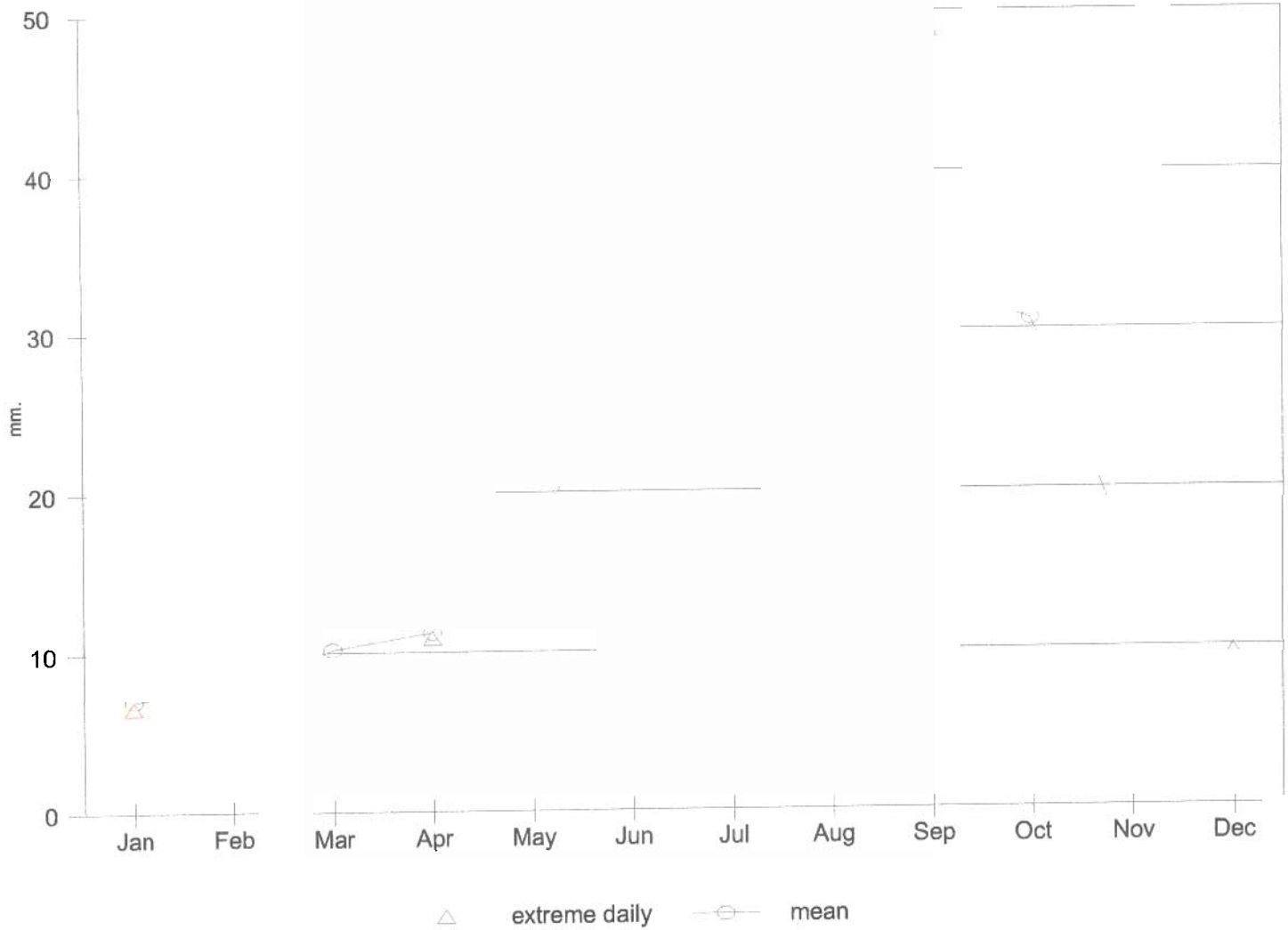

BATHURST INLET
Proposed All-Weather Road Bathurst to Contwoyto (211 km)
NUNAVUT
Sahtu Settlement Area
NORTHWEST TERRITORIES
South Slave Region
North Slave Region
Deh Cho Region
RAE LAKES
WHATI
FORT RAE
EDZO
YELLOWKNIFE
DETTAH
NDILO
LUTSELKE
FORT RESOLUTION
HAY RIVER
ENTERPRISE
FORT SMITH
WBNP
SASKATCHEWAN
Source: GNWT/RWED
Bathurst Caribou Herd
Scale 1:6,000,000
Jun-09
FIGURE 9B

Figure 10. Contwoyto Lake Annual Temperature Profile: 1956 - 1982



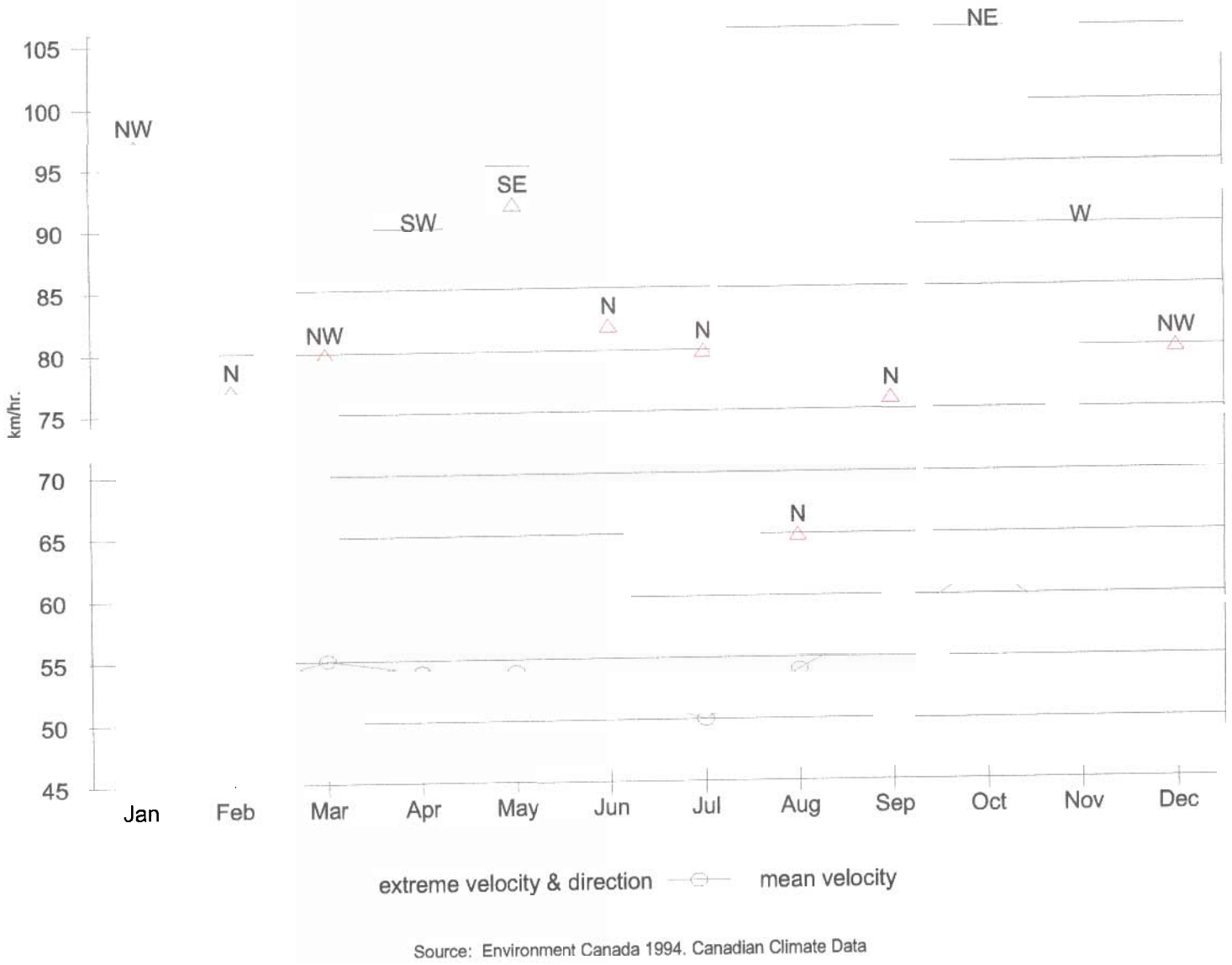
Source: Environment Canada 1994. Canadian Climate Data

Figure 11. Contwoyto Lake Annual Precipitation Profile: 1956 - 1982



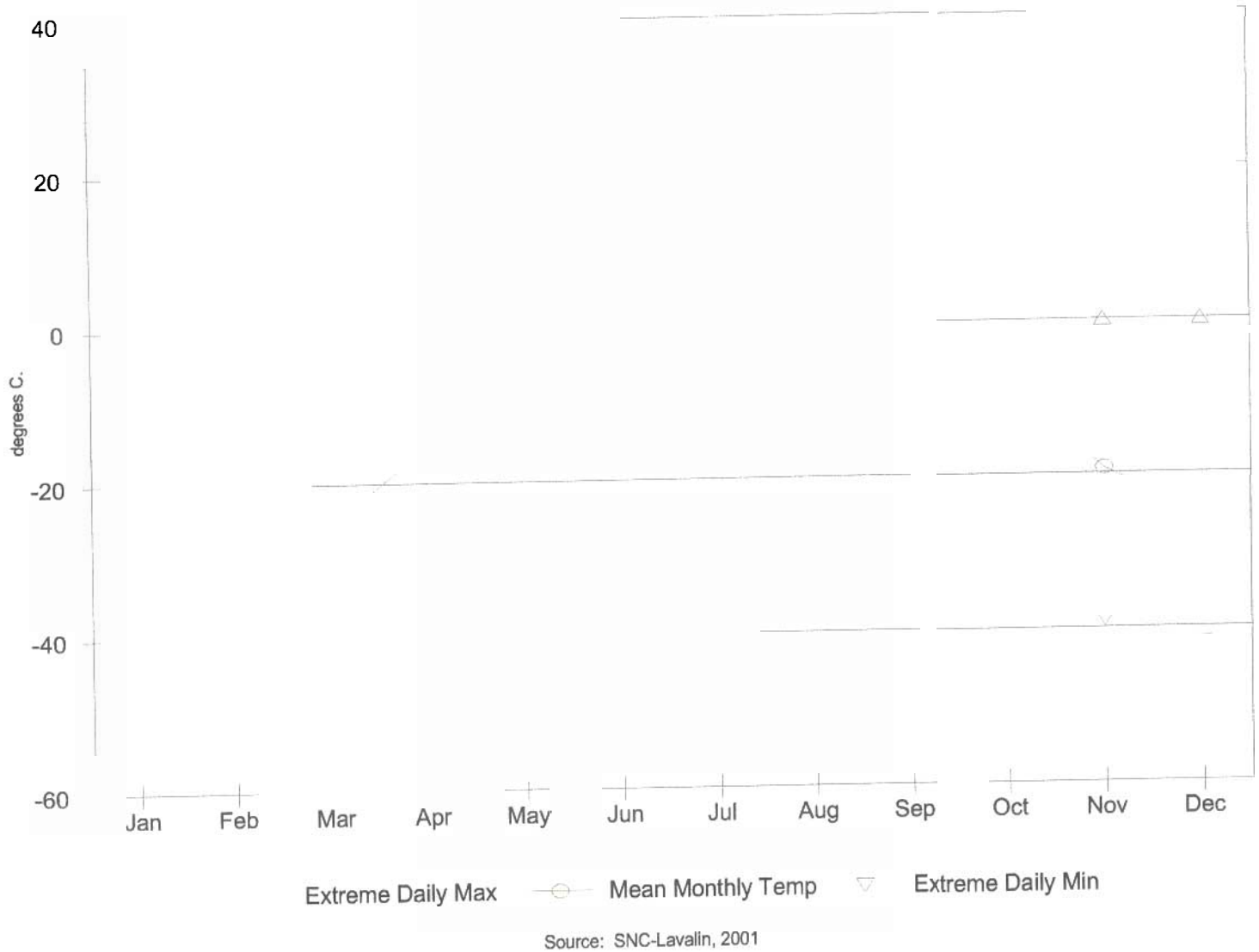
Source: Environment Canada 1994. Canadian Climate Data

Figure 12. Contwoyto Lake Annual Wind Profile: 1956 - 1982



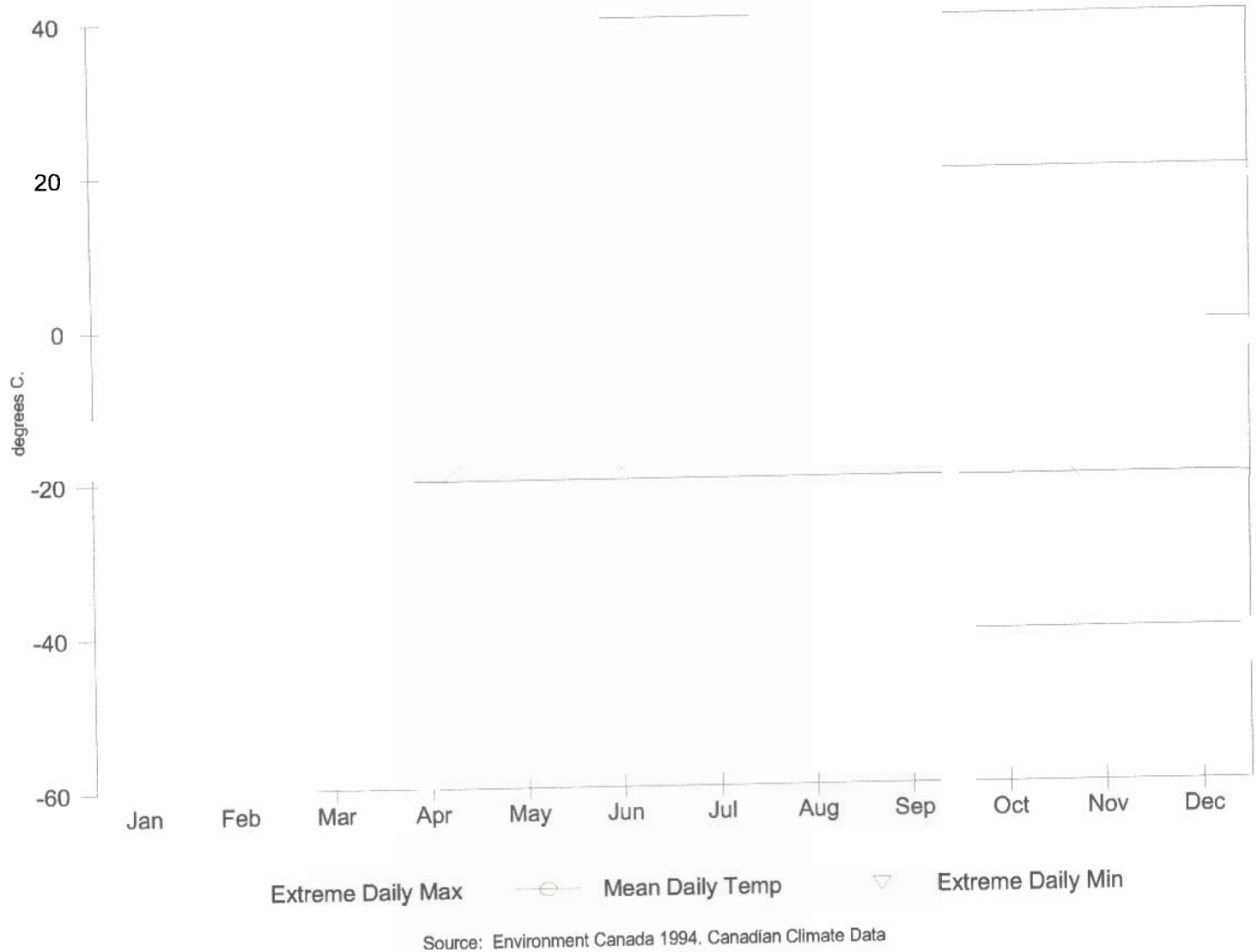
Source: Environment Canada 1994. Canadian Climate Data

Figure 13. Lupin Annual Temperature Profile: 1983 - 2001



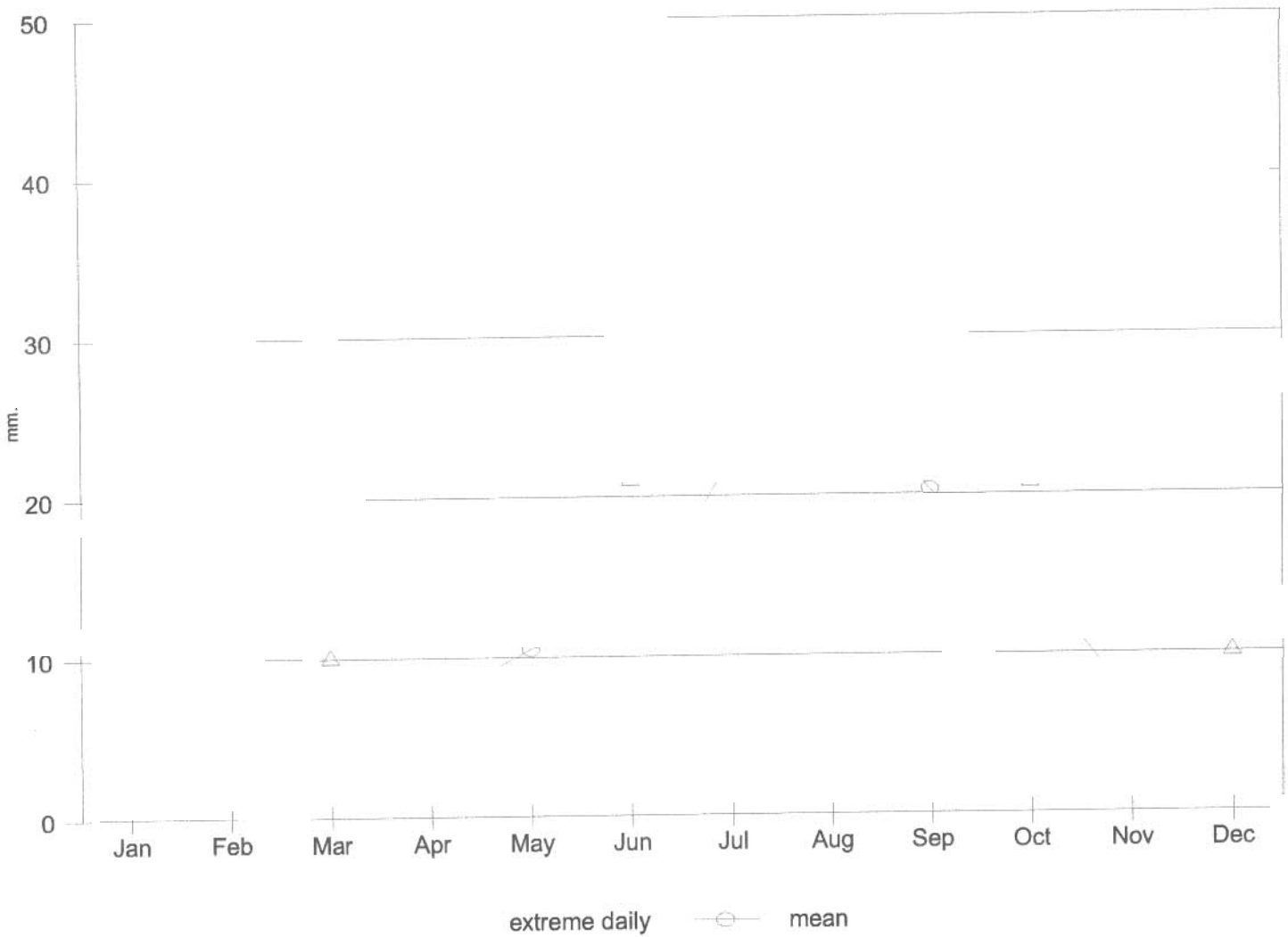
Source: SNC-Lavalin, 2001

Figure 14. Cambridge Bay Annual Temperature Profile: 1927 - 1993



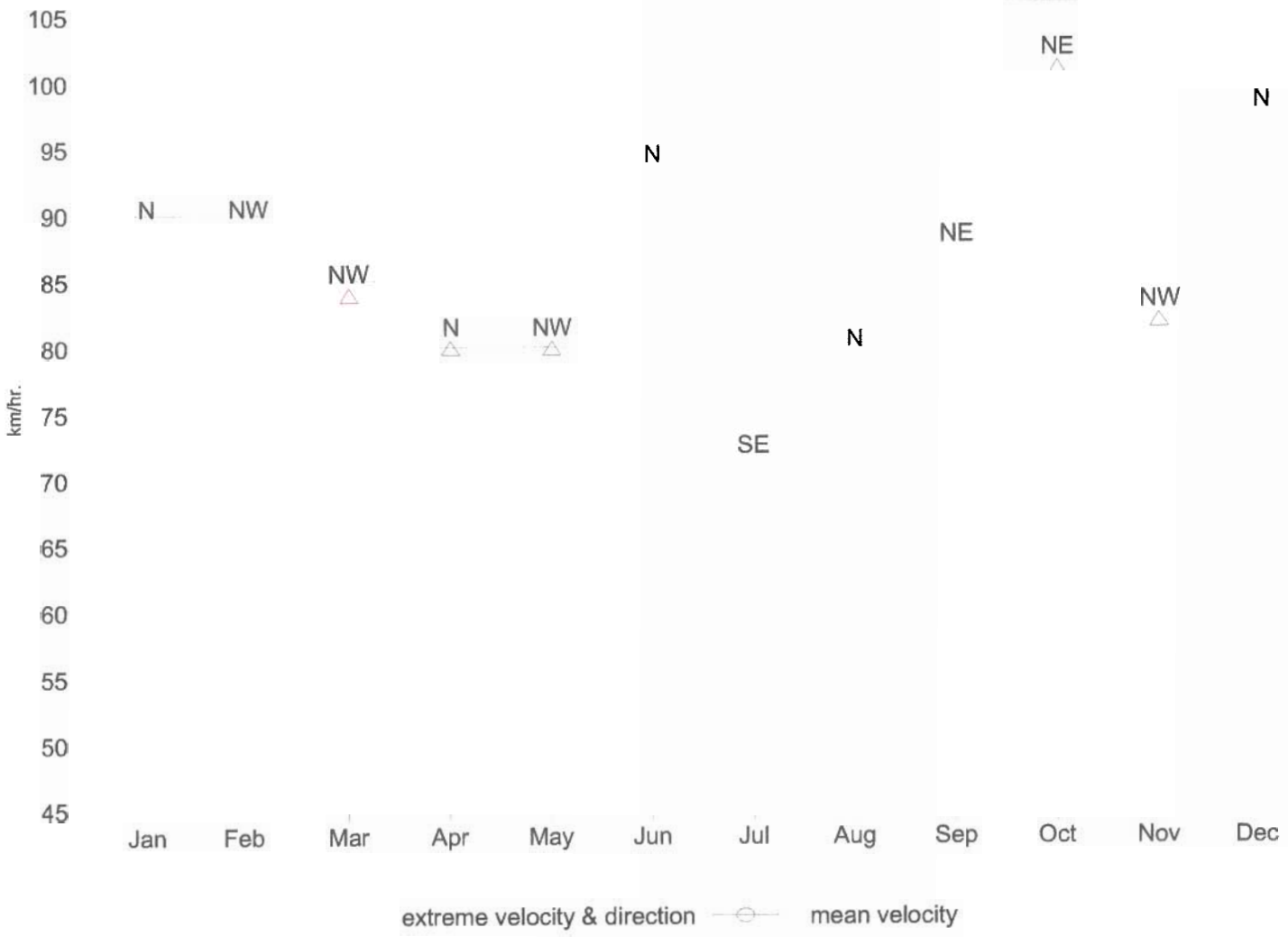
Source: Environment Canada 1994. Canadian Climate Data

Figure 15. Cambridge Bay Annual Precipitation Profile: 1927 - 1993



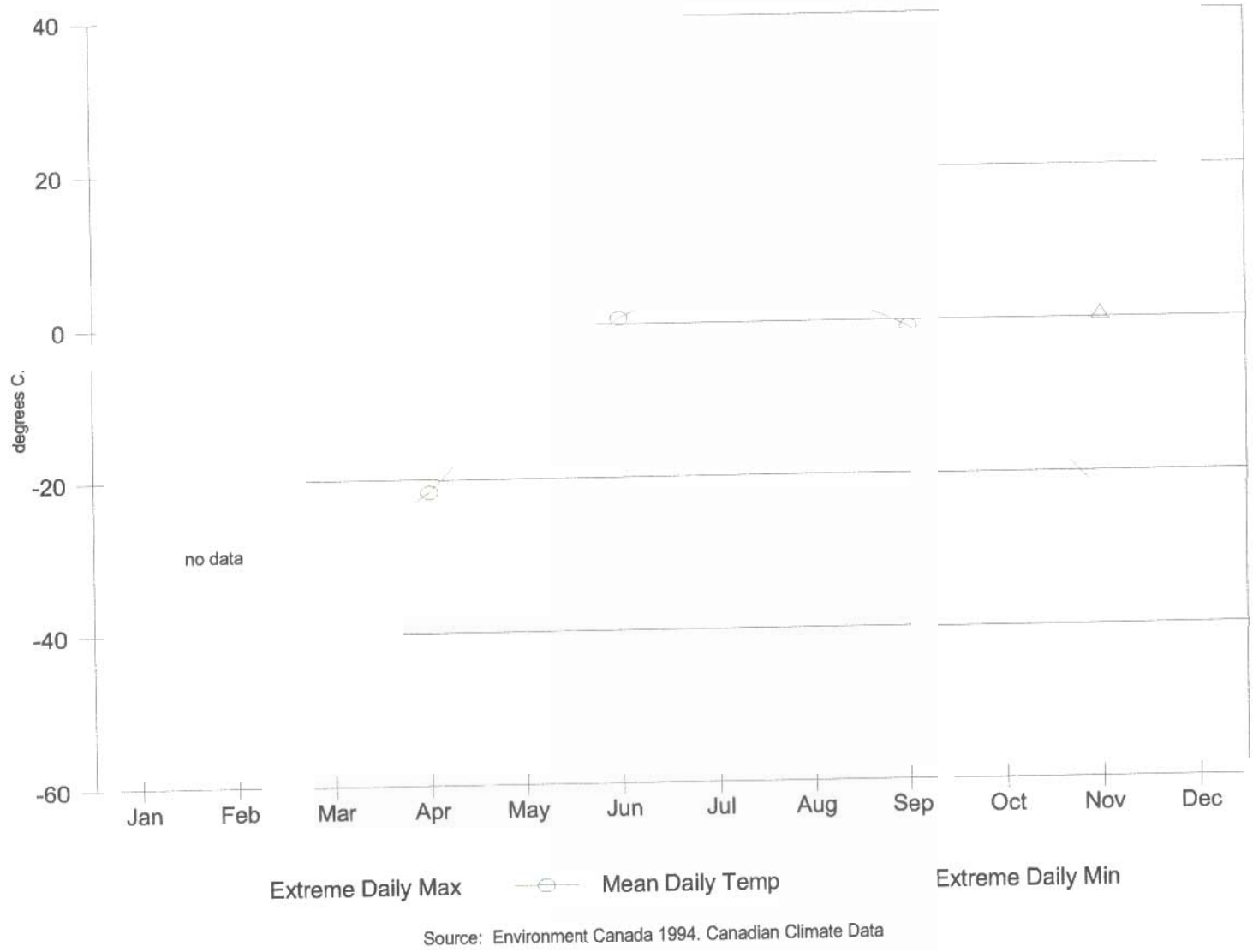
Source: Environment Canada 1994. Canadian Climate Data

Figure 16. Cambridge Bay Annual Wind Profile: 1927 - 1993



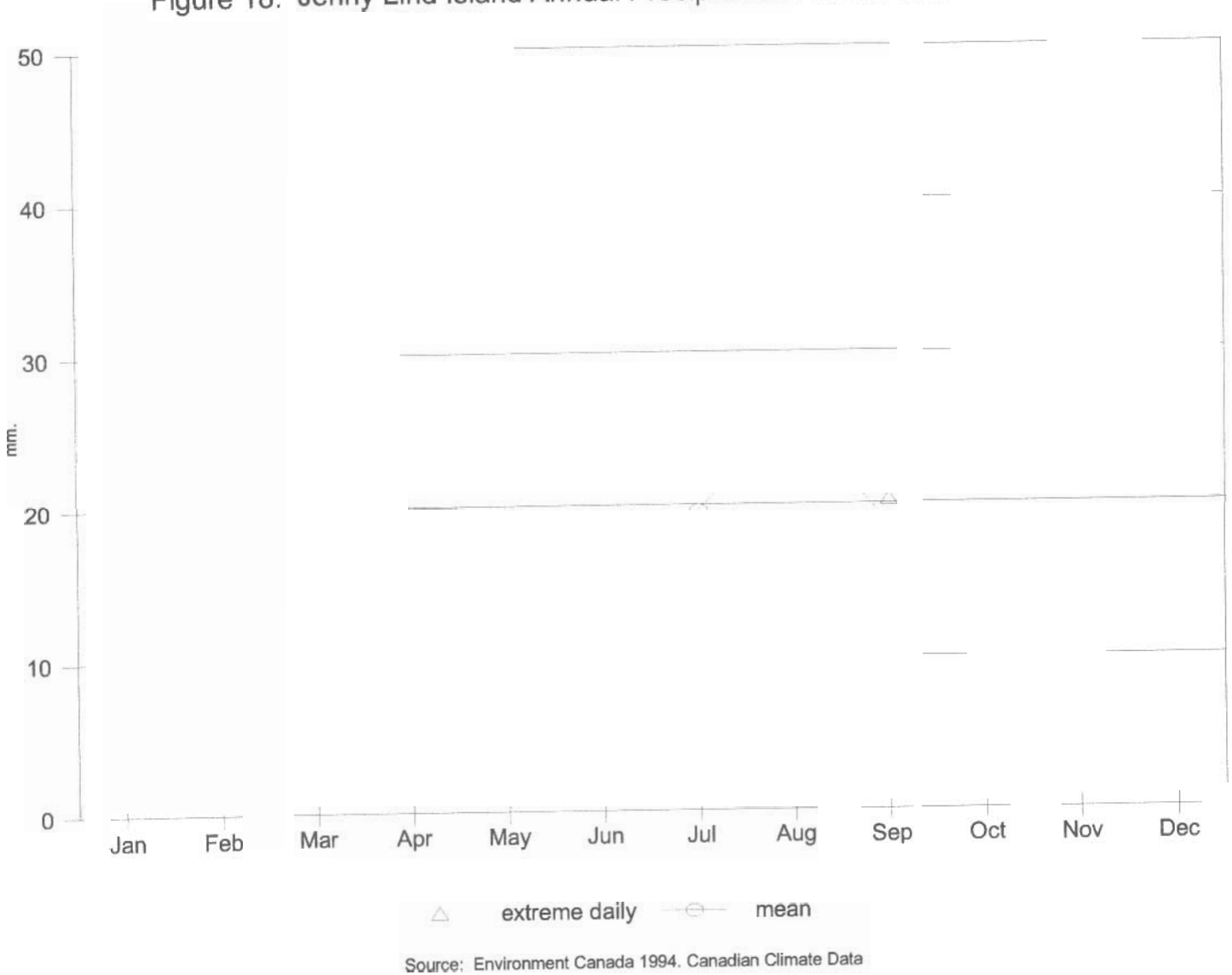
Source: Environment Canada 1994. Canadian Climate Data

Figure 17. Jenny Lind Island Annual Temperature Profile: 1955 - 1993



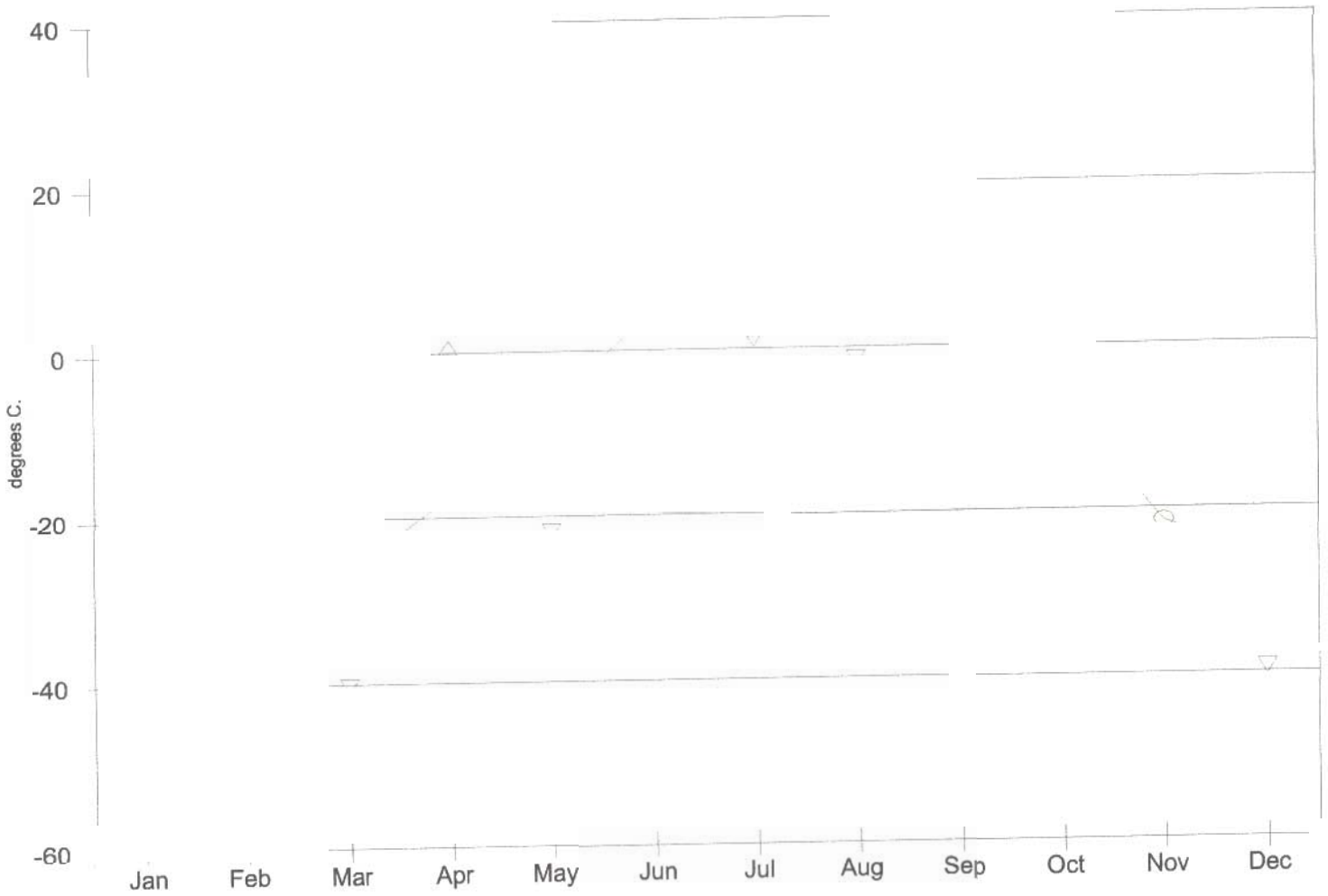
Source: Environment Canada 1994. Canadian Climate Data

Figure 18. Jenny Lind Island Annual Precipitation Profile: 1955 - 1993



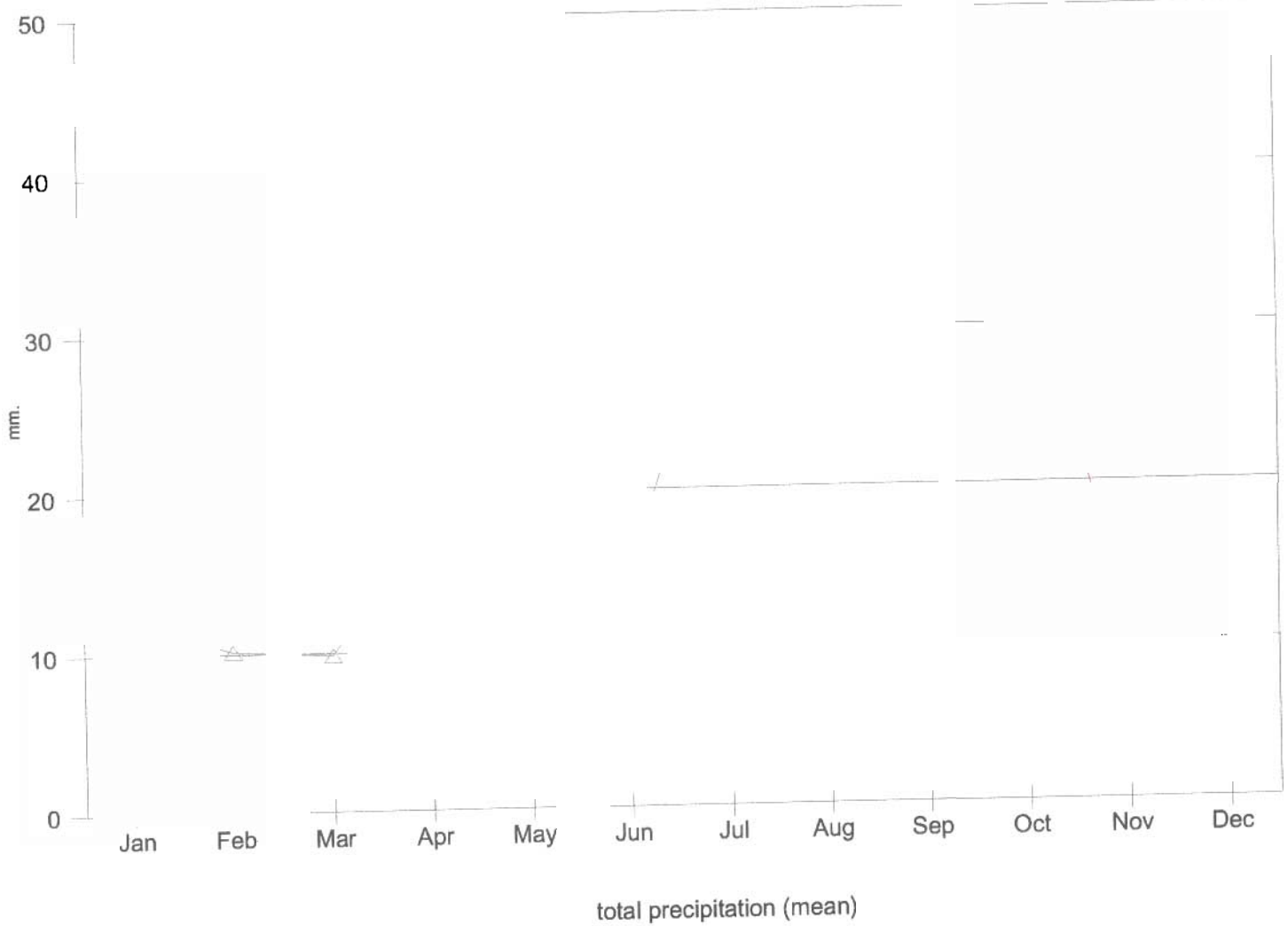
Source: Environment Canada 1994. Canadian Climate Data

Figure 19. Kugluktuk Annual Temperature Profile: 1977 - 1993



Source: Environment Canada 1994. Canadian Climate Data

Figure 20. Kugluktuk Annual Precipitation Profile: 1977 - 1993



Source: Environment Canada 1994. Canadian Climate Data

Figure 21. **Ice Thickness - Cambridge Bay, Calculated Weekly (1959-2003) (Enfotec, 2003)**

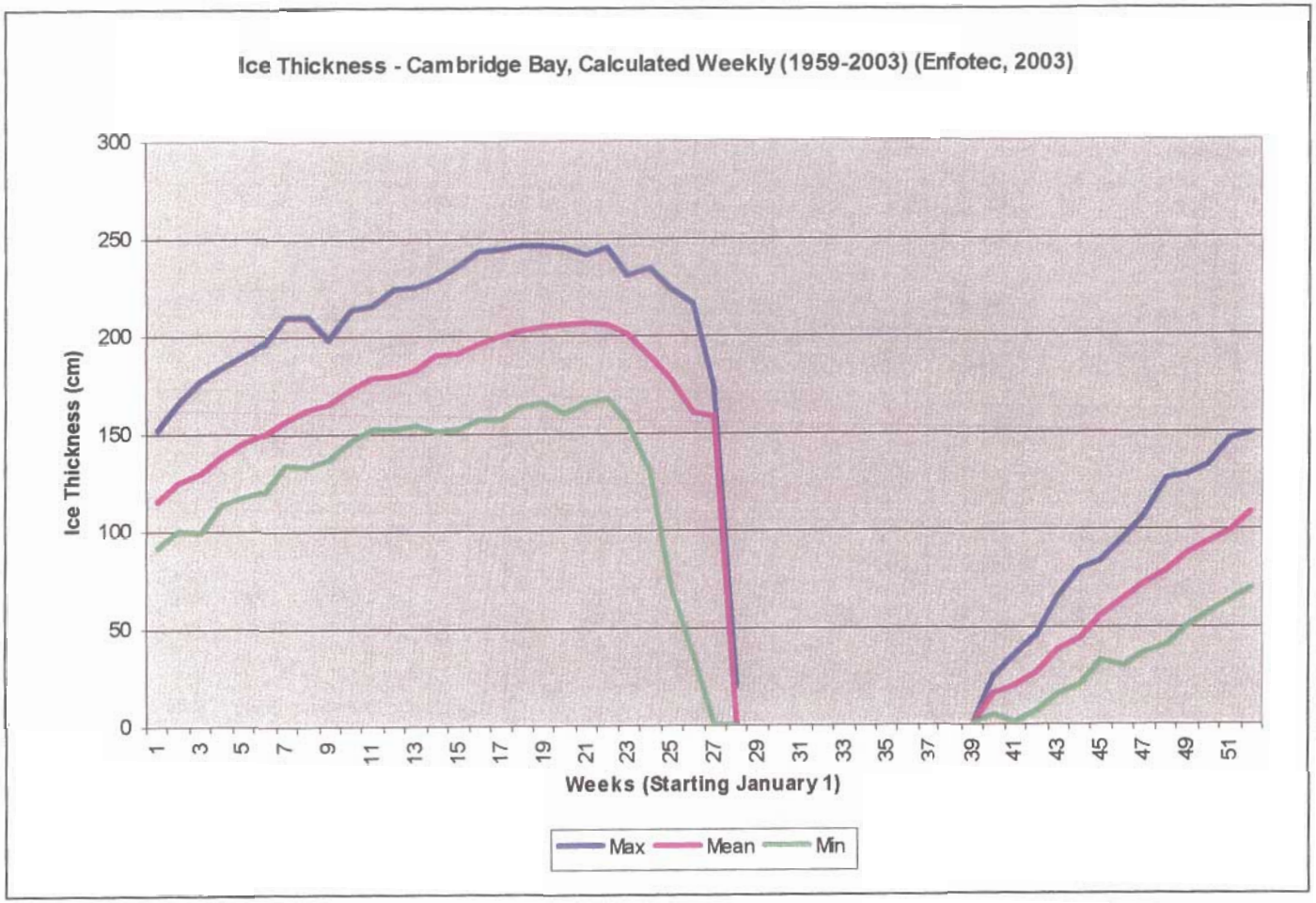


Figure 22. Ice Thickness - Kugluktuk, Calculated Weekly (1958 - 1988) (Canarctic 1993a in Metall Mining Corporation 1993)

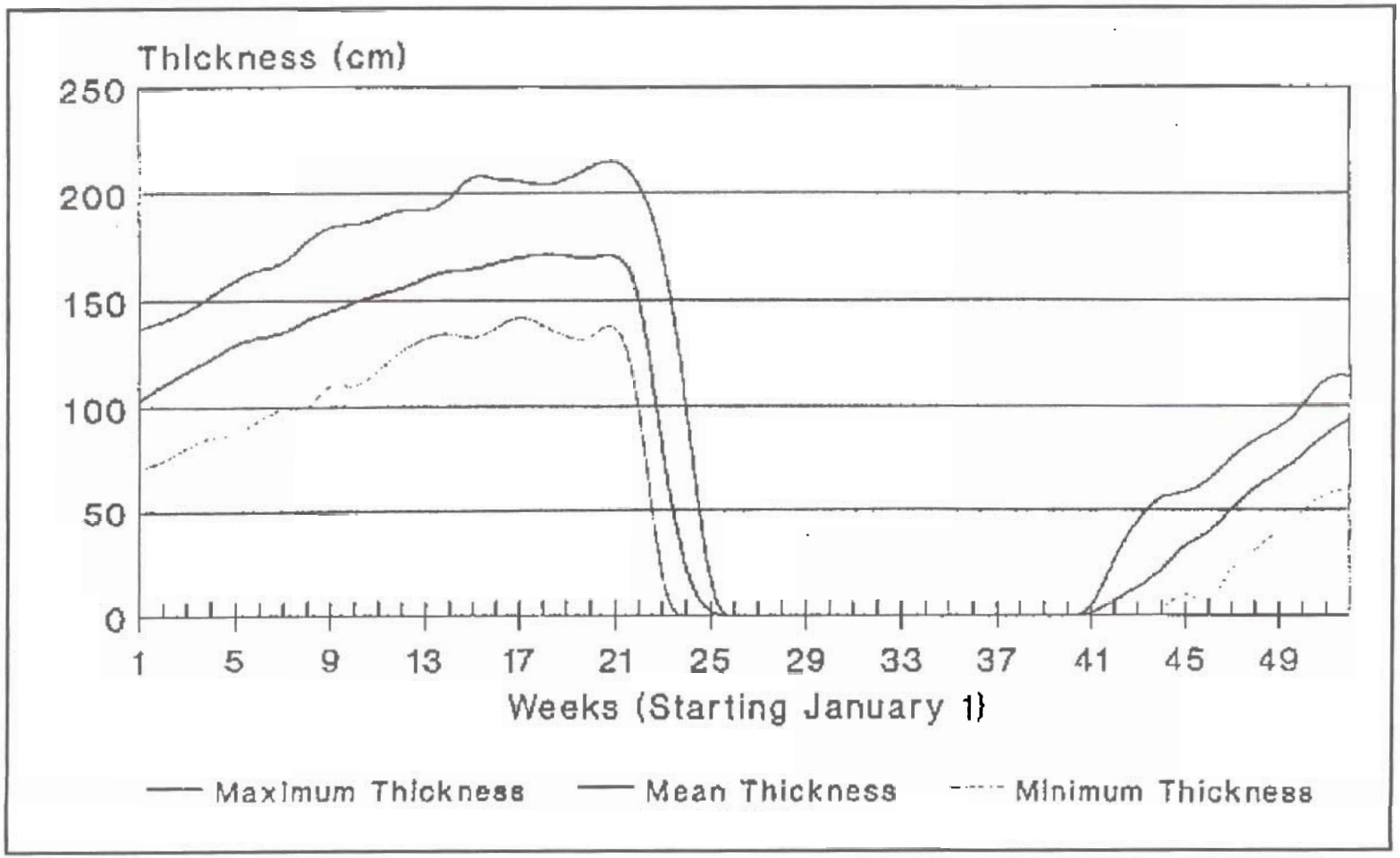


Figure 23. Annual average ice cover at minimum conditions during the mid-September period for the study region (Markham 1981 from Canarctic 1993a in Metall Mining Corporation, 1993

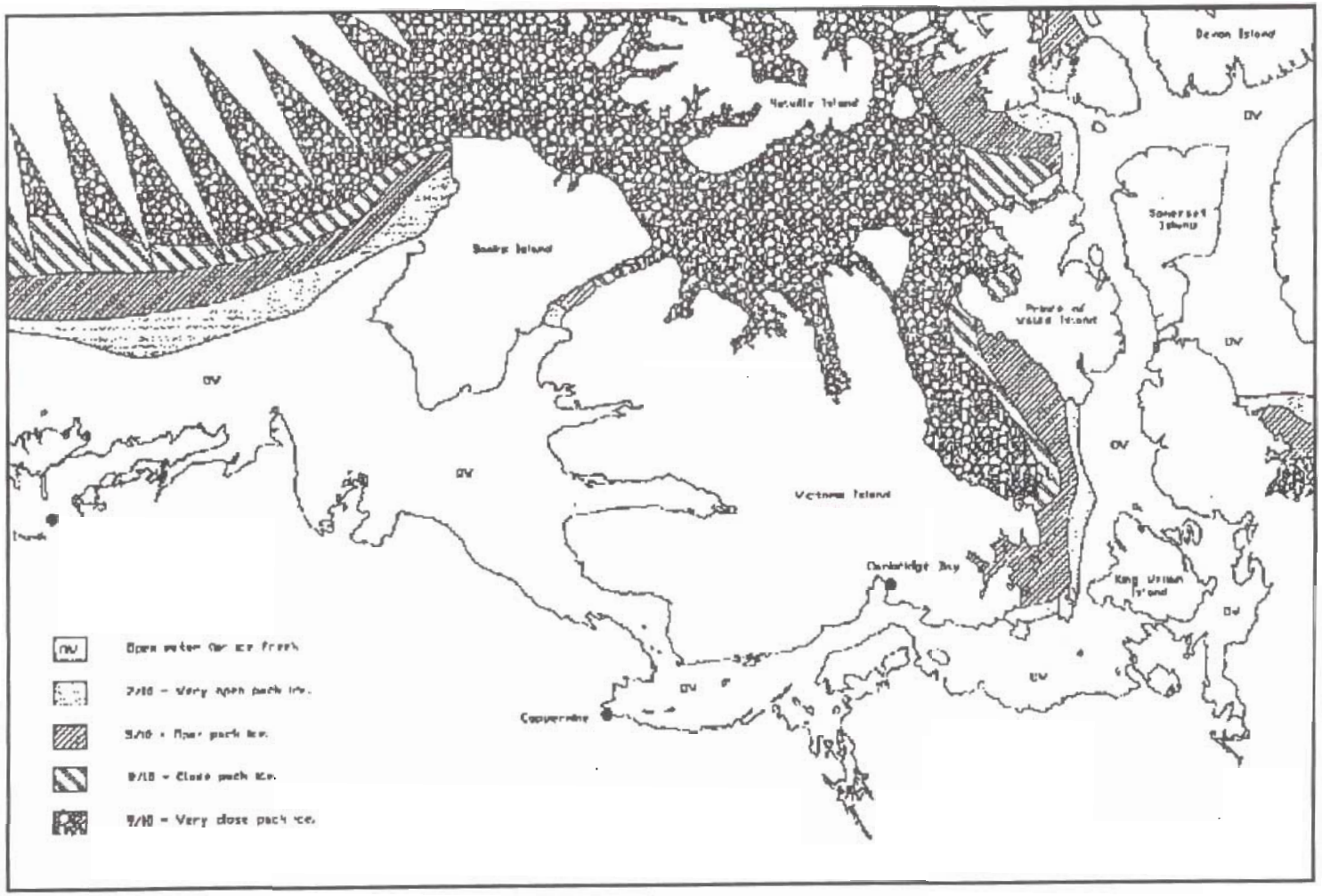


Figure 24. Fracture Sequence for Coronation Gulf Region (Enfotec, 2003)

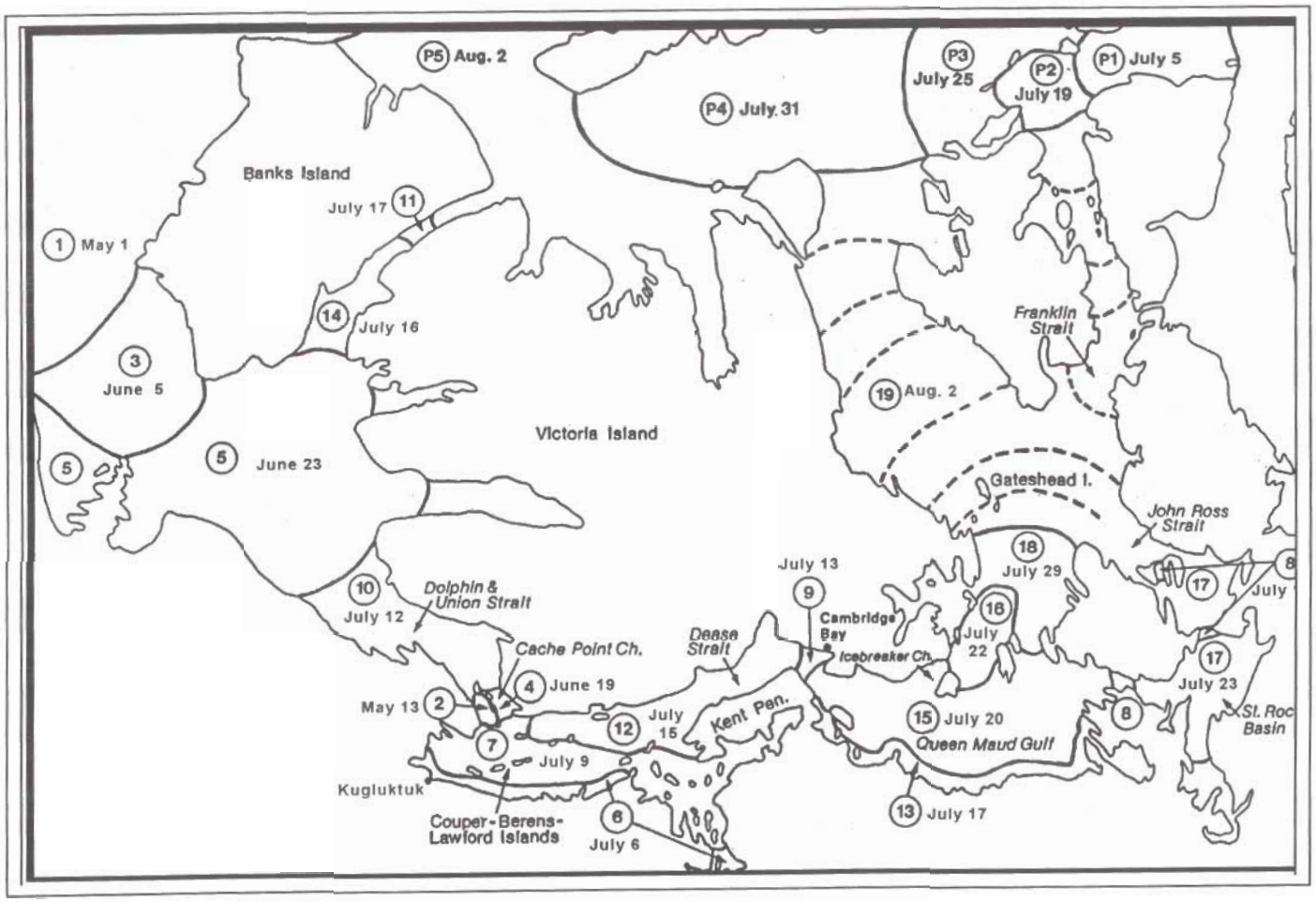


Table 7. Fracture Sequence for the Coronation Gulf Region 1975-2002

Event	Average Date of Occurrence	Earliest	Latest
1. Cape Bathurst Polynya	May 1	April 3 (84,75)	May 25 (80)
2. Lambert Channel Polynya	May 13 [1]	March 24 (91)	June 16 (92)
3. Fracture of Western Amundsen Gulf	June 5 [2]	May 4 (77)	June 27 (79)
4. Fracture of Cache Point	June 19 [3]	May 2 (98)	July 5 (90)
5. Fracture of Eastern Amundsen Gulf	June 23 [4]	May 12 (95)	July 15 (79,82)
6. Shore Lead Southern Coronation Gulf/Bathurst Inlet	July 6	June 27 (84,98)	August 8 (78)
7. Fracture/Melt of Western Coronation Gulf	July 9	June 30 (84,96)	August 8 (78)
8. Melt out of Simpson Rae and James Ross Straits	July 12	July 2 (84)	July 30 (86,92)
9. Fracture of Eastern Dease Strait	July 13	June 27 (75)	August 5 (78)
10. Fracture of Dolphin and Union Strait	July 12	July 2 (88,96)	August 5 (78)
11. Fracture of Central Prince of Wales Strait	July 17	July 2 (89,98)	August 4 (86,92)
12. Fracture of Eastern Coronation Gulf and Dease Strait	July 15	July 1 (84)	August 28 (78)
13. Shore Melt, Southern Queen Maud Gulf	July 17	July 3 (84)	August 5 (78)
14. Fracture of Southern Prince of Wales Strait	July 16	July 3 (93,98)	August 4 (86)
15. Fracture of Queen Maud Gulf	July 20	July 7 (96)	August 5 (78)
16. Fracture of Victoria Strait	July 22	July 7 (96)	August 22 (78)
17. Fracture of St. Roch and Rasmussen Basins	July 23	July 11 (94)	August 12 (78,86)
18. Fracture of Northern Victoria Strait	July 29	July 15 (96)	August 28 (78)
19. Fracture of Peel and Larsen Sounds and M'Clintock Channel	August 2	July 20 (81)	August 28 (78)

[1] Did not consolidate in the winters of 1990/91, 1987/88, 1981/82, and 1980/81.
[2] Did not consolidate in the winters of 2000/01, 1999/2000, 1998/99, 1997/98, 1996/97, 1995/96, 1993/94, 1992/93, 1991/92, 1990/91, 1987/88, 1986/87, 1984/85, 1982/83, 1980/81, and 1977/78.
[3] Did not consolidate in the winter of 1987/88.
[4] Did not consolidate in the winters of 2000/01, 1998/99, 1997/98, 1995/96, 1993/94, 1992/93, 1991/92, 1987/88, 1980/81, and 1977/78.

Figure 25. Consolidation Sequence for Coronation Gulf Region (Enfotec, 2003)

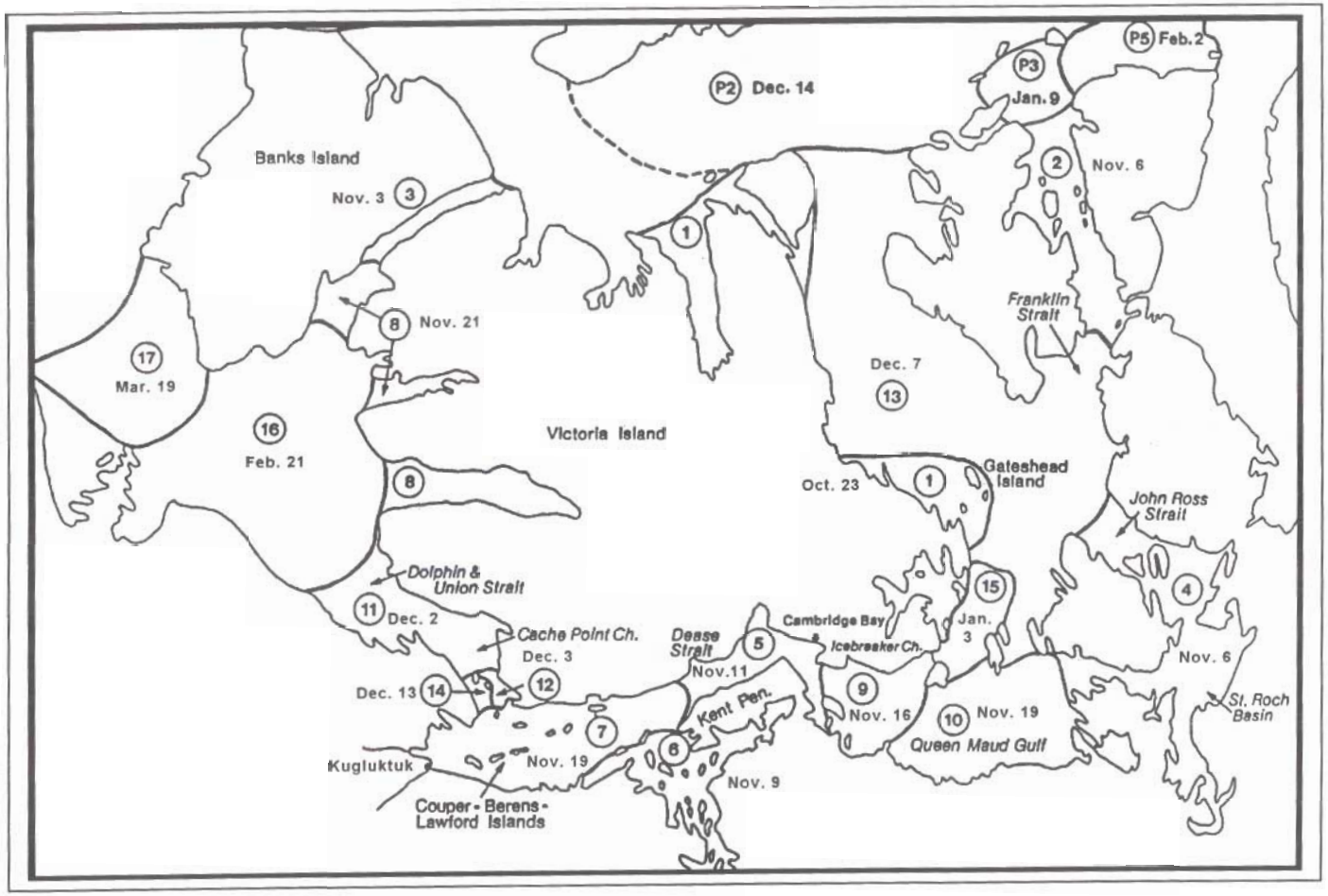
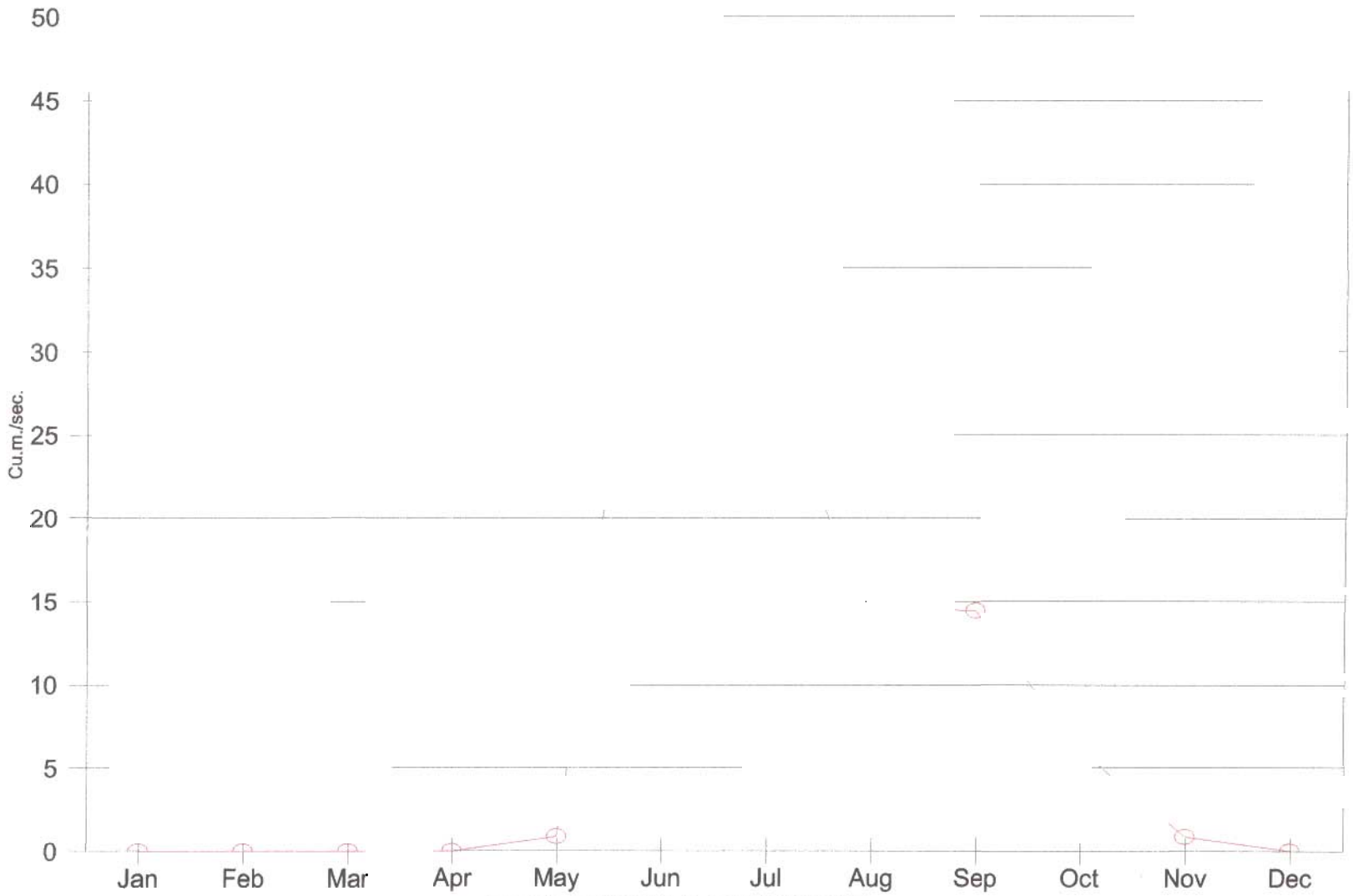


Table 8. Consolidation Sequence for the Coronation Gulf Region 1975-2003

Event	Average Date of Occurrence	Earliest	Latest
1. Shore-fast Ice along Western M'Clintock	October 23	October 10 (76)	November 10 (83)
2. Consolidation of Peel Sound	November 6	October 10 (80,76)	December 8 (98)
3. Consolidation of Central Prince of Wales Strait	November 3	October 12 (91)	December 2 (92)
4. Consolidation of St. Roch and Rasmussen Basins	November 6	October 12 (79)	November 27 (98)
5. Consolidation of Dease Strait	November 11	October 18 (78)	December 10 (88)
6. Consolidation of Bathurst Inlet	November 9	October 22 (86,78)	November 20 (75,00)
7. Consolidation of Coronation Gulf	November 19	November 2 (78)	January 5 (99)
8. Consolidation of Southern Prince of Wales Strait	November 21	October 19 (79)	December 16 (80)
9. Consolidation of Western Queen Maud Gulf	November 16	October 22 (78)	December 11 (79)
10. Consolidation of Eastern Queen Maud Gulf	November 19	October 21 (86,78)	December 11 (79)
11. Consolidation of Dolphin and Union Strait	December 2	November 12 (90)	January 12 (84)
12. Consolidation of Cache Point Channel	December 3 [1]	November 17 (90,84)	January 12 (84)
13. Consolidation of Larsen Sound and M'Clintock Channel	December 7	October 23 (78)	January 3 (84,03)
14. Consolidation of Lambert Channel	December 13 [2]	November 17 (84)	February 1 (89)
15. Consolidation of Victoria Strait	January 3	November 28 (78)	March 4 (00)
16. Consolidation of Eastern Amundsen Gulf	February 21 [3]	December 2 (79)	May 4 (96)
17. Consolidation of Western Amundsen Gulf	March 19 [4]	February 14 (03)	April 30 (77)

[1] Did not consolidate in the winter of 1987/88.
[2] Did not consolidate in the winters of 1990/91, 1987/88, 1981/82, and 1980/81.
[3] Did not consolidate in the winters of 2000/01, 1998/99, 1997/98, 1995/96, 1993/94, 1992/93, 1991/92, 1987/88, 1980/81, and 1977/78.
[4] Did not consolidate in the winters of 2000/01, 1999/2000, 1998/99, 1997/98, 1996/97, 1995/96, 1993/94, 1992/93, 1991/92, 1990/91, 1987/88, 1986/87, 1984/85, 1982/83, 1980/81, and 1977/78.

Figure 26. Mean Discharges (cu.m./sec) or the Gordon River, Nunavut (1977-1992)



Location: Lat 66 48 31 N. Long 107 06 13 W.

Drainage area 1530 sq.km.

Environment Canada. 1992. Historical Streamflow Summary Northwest Territorries. Inland Waters and Lands Western and Northern Region p.94