Water Temps recorded w/ Ryan Thermograph at Outlet Weir

FIGURE 2

AVERAGE WEEKLY SURFACE WATER TEMPERATURES
BIRCH LAKE 1981
NEARSHORE AREA

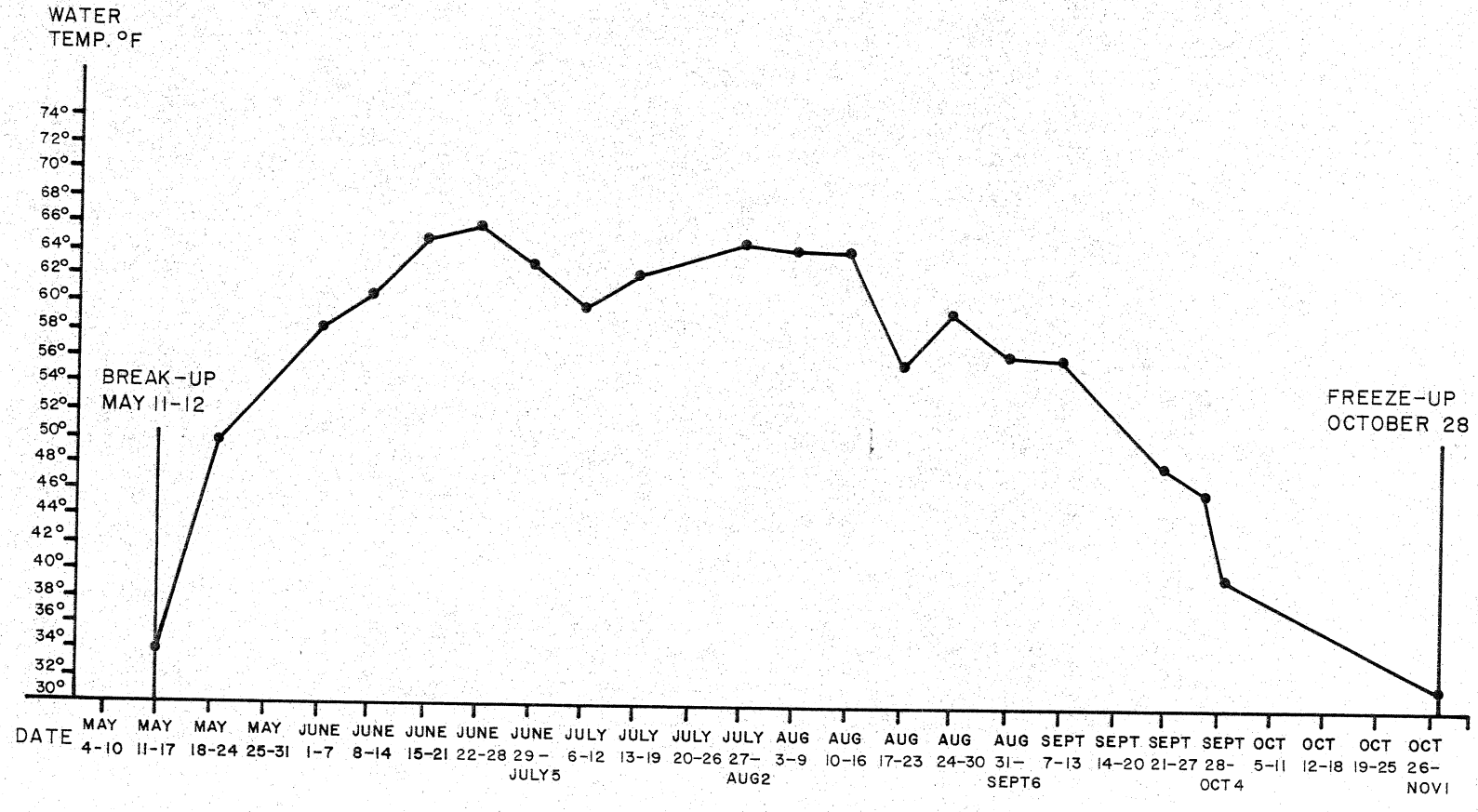


FIGURE 2

AVERAGE WEEKLY SURFACE WATER TEMPERATURES

BIRCH LAKE 1982

NEARSHORE AREA

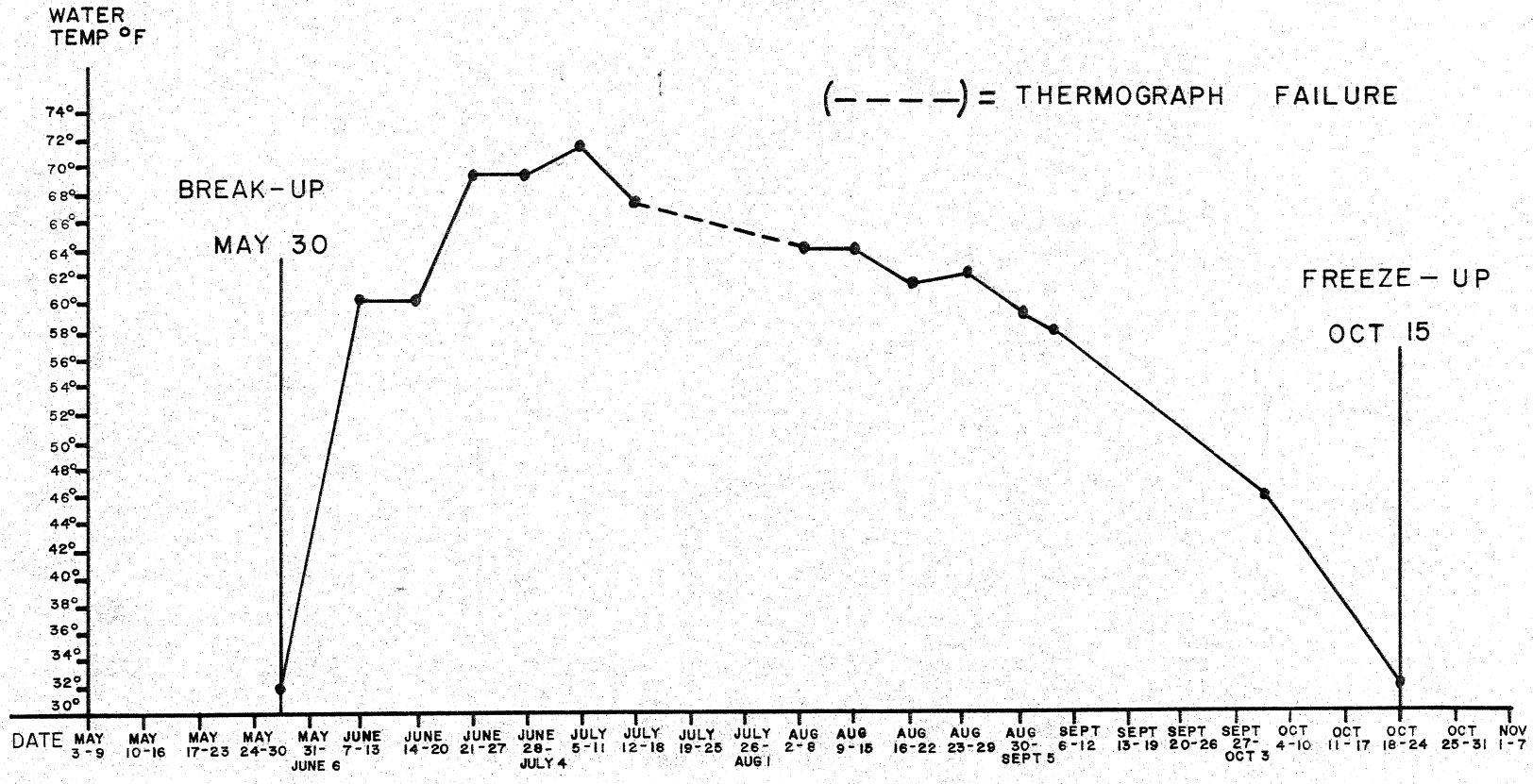


FIGURE 2

AVERAGE WEEKLY SURFACE WATER TEMPERATURES

BIRCH LAKE 1983

NEARSHORE AREA

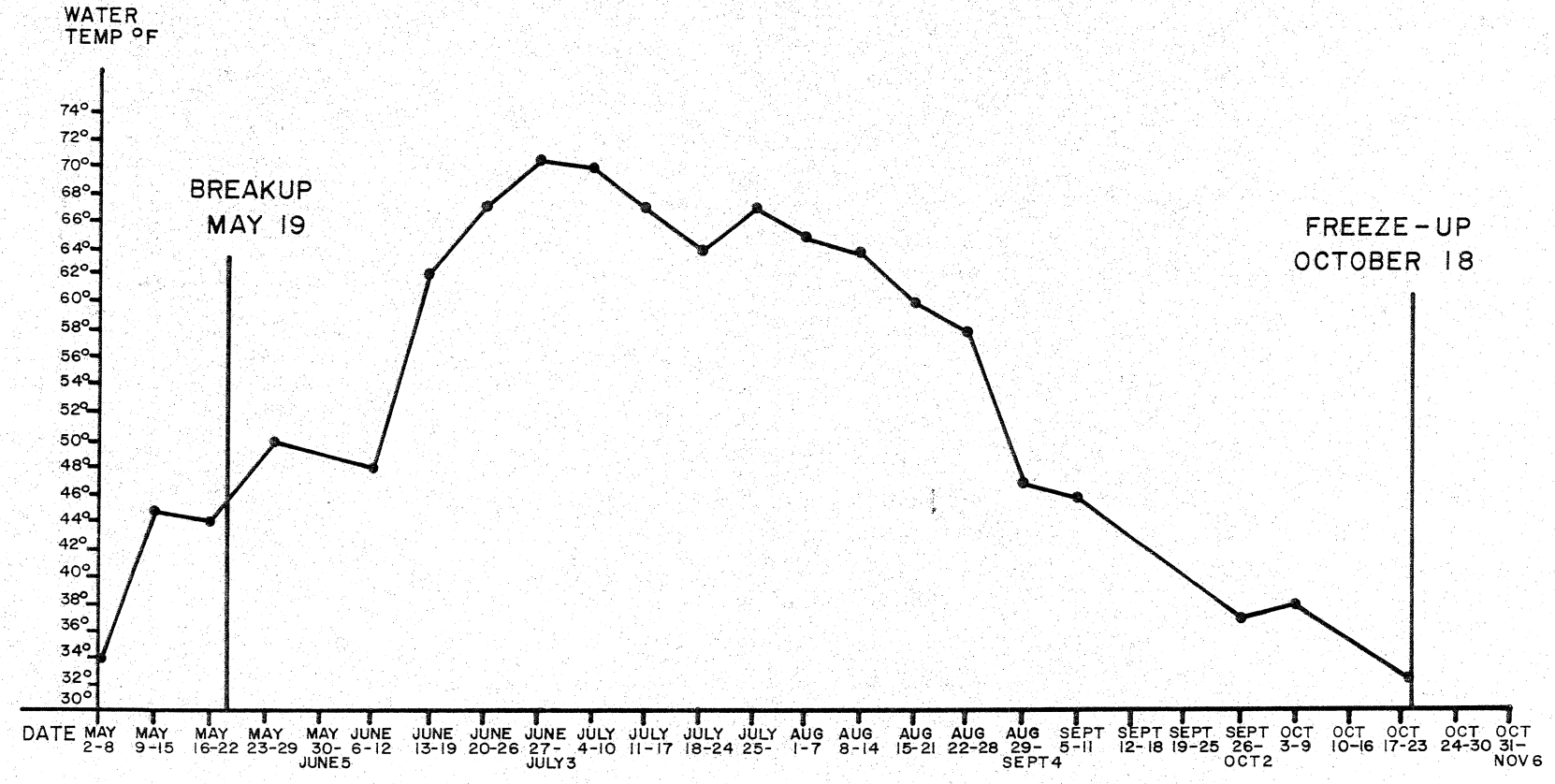
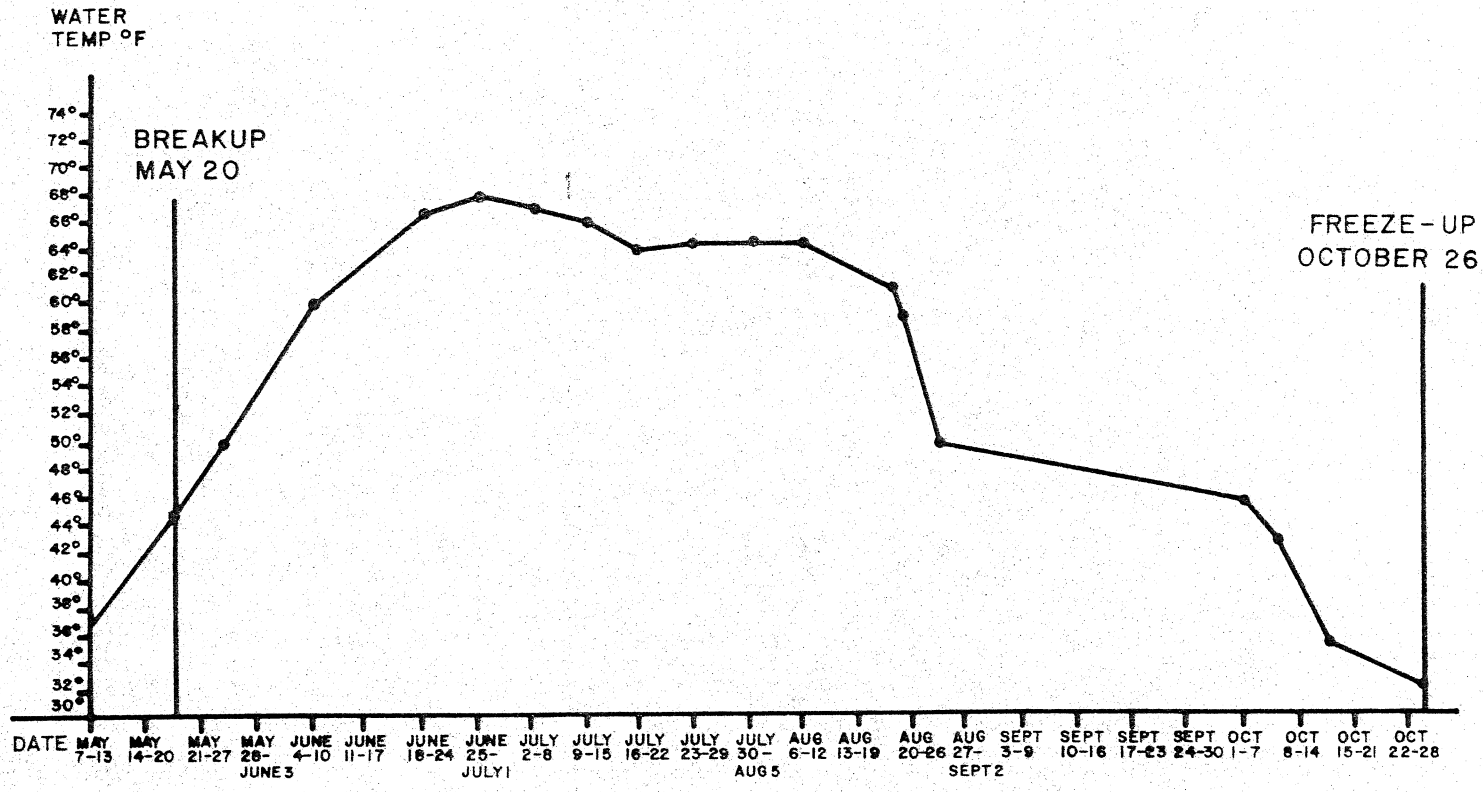


FIGURE 2

AVERAGE WEEKLY SURFACE WATER TEMPERATURES

BIRCH LAKE 1984

NEARSHORE AREA



~~Water~~ Salcha District Freeze-up — Break-up Data

Waterbody: Birch Lake

Period	Freeze-up	Break-up	Comments
1978 - 1979	Oct 15-20	By May 15	
1979 - 1980	Nov. 5, 1979	May 12, 1980	
1980 - 1981	Oct 28, 1980	May 10, 1981	
1981 - 1982	Oct 29, 1981	May 28, 1982	
982 - 1983	Oct 16, 1982	May 20, 1983	
983 - 1984	Oct 22, 1983	May 20, 1984	
984 - 1985	Oct 26, 1984	~~June 2, 1985~~ May 29, 1985	
1985 - 1986	Oct 21, 1985	May 29, 1986	
1986 - 1987	Oct 24, 1986	May 20, 1987	
1987 - 1988	Oct. 30, 1987	May 12, 1988	
. 88 - 1989	Oct 15, 1988	May 21, 1989	
989 - 1990	Oct 24, 1989	Before May 20, 1990	

~~Water~~ Salcha District Freeze-up — Break-up Data

Waterbody: Birch Lake

Period	Freeze-up	Break-up	Comments
1990-1991	Oct 18, 1990	Approx 15 May, 1991	
1991-1992	Oct 26, 1991	Approx 5 June, 92	Cold, Long winter
1992-1993	Approx 7 Oct, 1992	May 6, 1993	
1993-1994	11/1/1993	5/13/1994	
1994-1995	10/20/94	5/10/95	
1995-1996	10/30/95	Approx ~~10~~ 5/15/96	
1996-1997	Approx 10/15/96	Undocumented Office Move.	
1997-98	Approx 10/19/97	May 7, 1998	
1998-1999	10/21/98	May 26, 1999	
1999-2000	Approx 10/20/99	May 20, 2000	
2000-2001	10/25/00		
2001-2002	10/22/01	May 25, 2002	

Salcha District

Freeze-up/Break-up Dates

Waterbody: Birch Lake

Period	Freeze-up	Break-up	Comments
2002-2003	Nov 10, 2002		
2003-2004			
2004-2005			
2005-2006			
2006-2007			
2007-2008			
2008-2009			
2009-2010			
2010-2011			
2011-2012			

Freeze-up is when the main body of the lake is 100% ice-covered. Outlets, springs, adjacent swamps are not necessarily frozen. The sea ducks have to leave or die.

Break-up is when the last of the rotten ice is blown across the lake and it will be gone before it can be moved across the lake again.