

Base from U.S. Geological Survey digital data 1:100,000,  
Webster, 1985; Sisseton, 1979  
Universal Transverse Mercator projection zone 14  
North American Horizontal Datum 1927

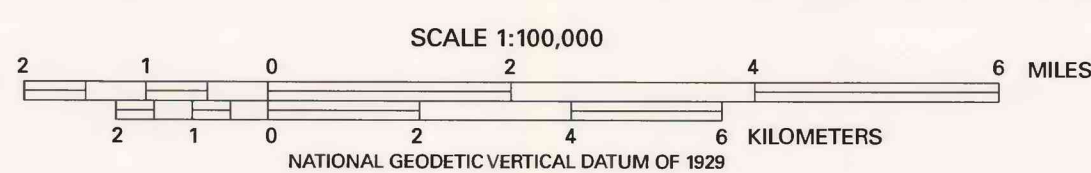
EXPLANATION

- WAUBAY LAKES CHAIN BASIN BOUNDARY
- SUBBASIN BOUNDARY
- WAUBAY NATIONAL WILDLIFE REFUGE BOUNDARY
- OUTLET FROM BASIN

LAKE EXTENT

- Beginning, October 1998
- End of dry climatic scenario, October 2014—Dry scenario is two consecutive 1969-76 climatic segments
- 1-percent exceedance probability, October 2014
- End of wet climatic scenario, October 2014—Wet scenario is two consecutive 1991-98 climatic segments

LAKE NAME AND NUMBER	LAKE ELEVATION, IN FEET ABOVE SEA LEVEL			
	Beginning (Oct 1998)	Dry climatic scenario	1-percent exceedance probability	Wet climatic scenario
Bitter Lake (1)	1,791.0	1,784.4	1,810.4	1,813.2
Blue Dog Lake (2)	1,802.8	1,798.8	1,811.5	1,813.2
Enemy Swim Lake (3)	1,853.9	1,848.0	1,855.1	1,854.0
Hillebrands Lake (4)	1,802.1	1,791.7	1,811.5	1,813.3
Minnewasta Lake (5)	1,802.1	1,793.3	1,811.5	1,813.2
Pickeral Lake (6)	1,845.0	1,843.2	1,846.3	1,845.3
Rush Lake (7)	1,802.7	1,794.9	1,811.5	1,813.2
Spring Lake (8)	1,802.1	1,792.9	1,811.5	1,813.3
Swan Pond (9)	1,802.1	1,792.9	1,811.5	1,813.3
Waubay Lake (10)	1,802.1	1,791.7	1,811.5	1,813.2



## Lake-Level Frequency Analysis for the Waubay Lakes Chain, Northeastern South Dakota

By  
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1999