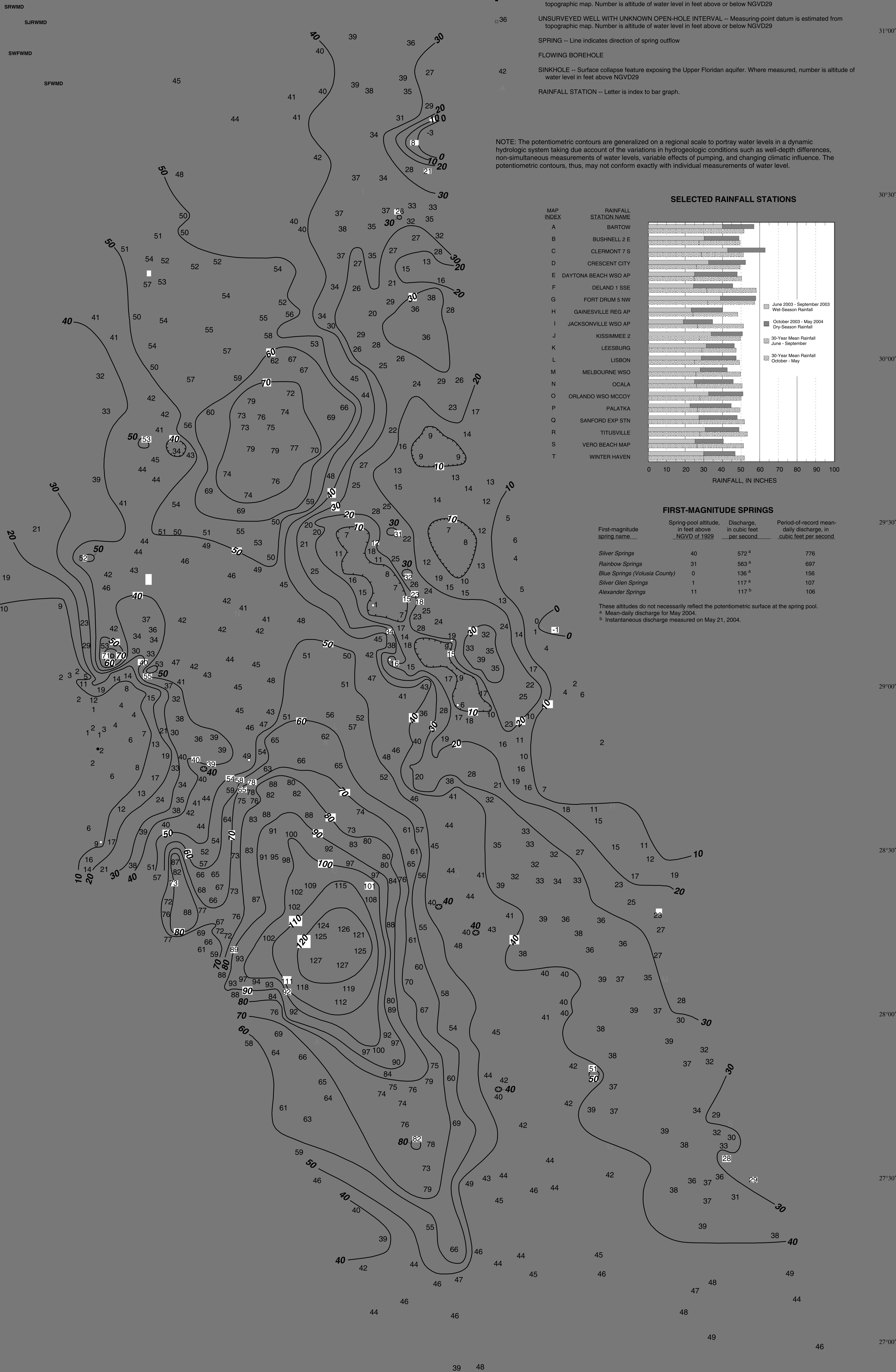


31°30' 83°00' 82°30' 82°00' 81°30' 81°00' 80°30' 80°00' 31°00'

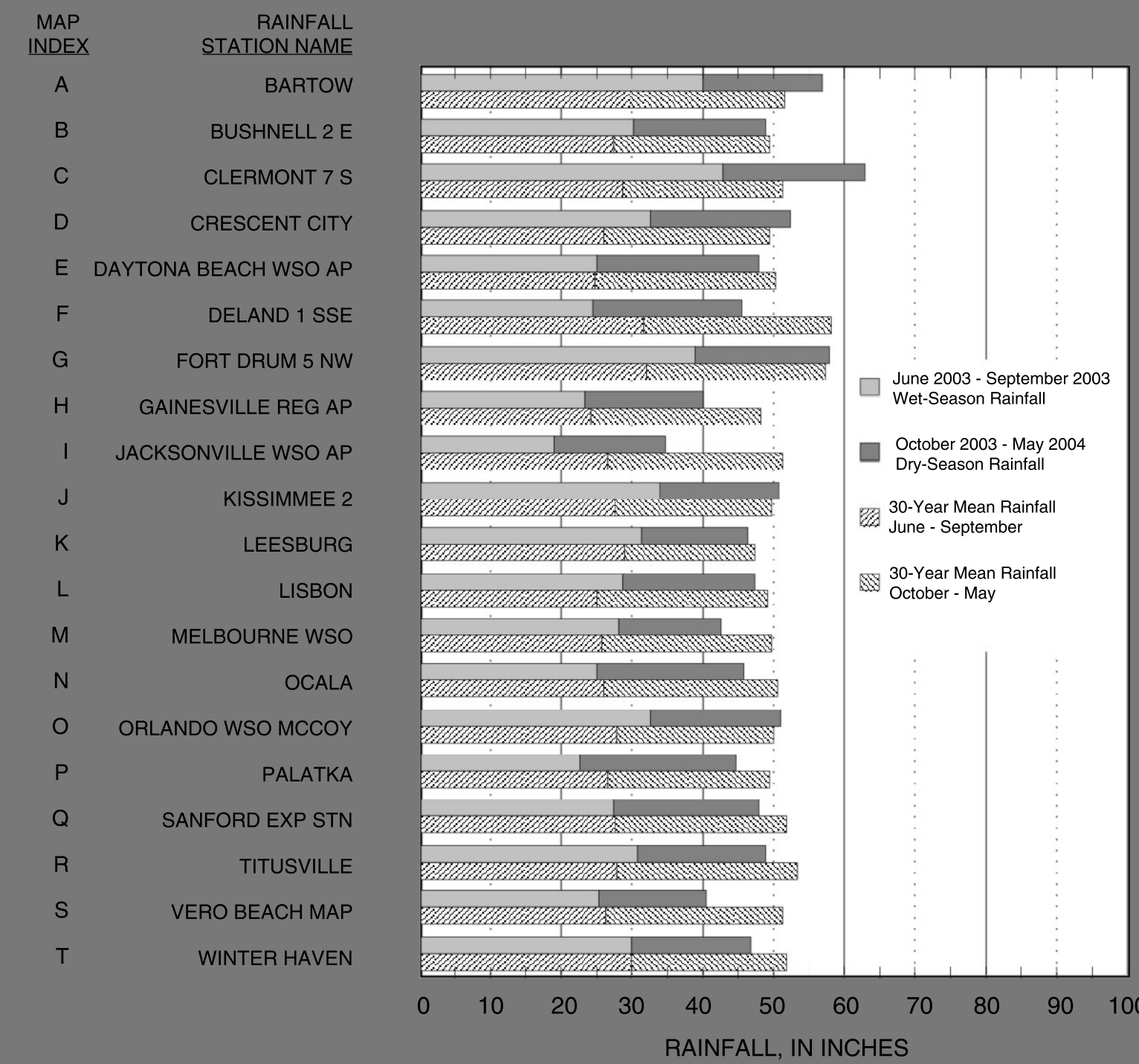
EXPLANATION

- 50 — POTENTIOMETRIC CONTOUR -- Shows altitude at which water level would have stood in tightly cased wells. Hatchures indicate depressions. Contour intervals 10 feet. Vertical datum is NGVD29. Dashed where inferred.
- STATE WATER MANAGEMENT DISTRICT BOUNDARY
SRWMD -- St. Johns River Water Management District
SRWMD -- Suwannee River Water Management District
SFWMD -- South Florida Water Management District
SWFWMD -- Southwest Florida Water Management District
- 37 SURVEYED WELL WITH KNOWN OPEN-HOLE INTERVAL -- Measuring-point datum is referenced to benchmark datum. Number is altitude of water level in feet above or below NGVD29
- 31 SURVEYED WELL WITH UNKNOWN OPEN-HOLE INTERVAL -- Measuring-point datum is referenced to benchmark datum. Number is altitude of water level in feet above or below NGVD29
- 46 UNSURVEYED WELL WITH KNOWN OPEN-HOLE INTERVAL -- Measuring-point datum is estimated from topographic map. Number is altitude of water level in feet above or below NGVD29
- 36 UNSURVEYED WELL WITH UNKNOWN OPEN-HOLE INTERVAL -- Measuring-point datum is estimated from topographic map. Number is altitude of water level in feet above or below NGVD29
- SPRING -- Line indicates direction of spring outflow
- FLOWING BOREHOLE
- 42 SINKHOLE -- Surface collapse feature exposing the Upper Floridan aquifer. Where measured, number is altitude of water level in feet above NGVD29
- RAINFALL STATION -- Letter is index to bar graph.

NOTE: The potentiometric contours are generalized on a regional scale to portray water levels in a dynamic hydrologic system taking due account of the variations in hydrogeologic conditions such as well-depth differences, non-simultaneous measurements of water levels, variable effects of pumping, and changing climatic influence. The potentiometric contours, thus, may not conform exactly with individual measurements of water level.



SELECTED RAINFALL STATIONS



FIRST-MAGNITUDE SPRINGS

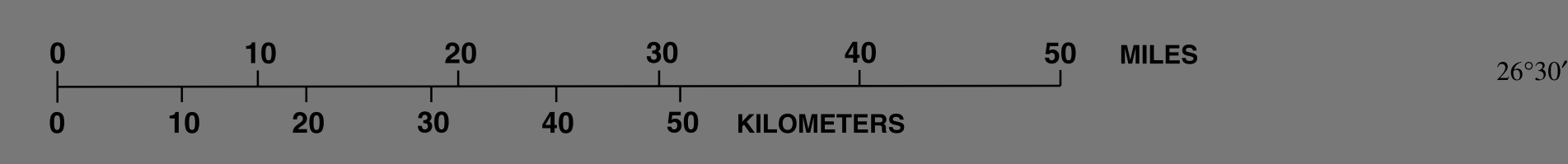
First-magnitude spring name	Spring-pool altitude, in feet above NGVD of 1929	Discharge, in cubic feet per second	Period-of-record mean-daily discharge, in cubic feet per second
Silver Springs	40	572 ^a	776
Rainbow Springs	31	563 ^a	697
Blue Springs (Volusia County)	0	136 ^a	156
Silver Glen Springs	1	117 ^a	107
Alexander Springs	11	117 ^b	106

^a Mean-daily discharge for May 2004.
^b Instantaneous discharge measured on May 21, 2004.

INTRODUCTION

SUMMARY OF HYDROLOGIC CONDITIONS

ADDITIONAL REFERENCE



POTENTIOMETRIC SURFACE OF THE UPPER FLORIDAN AQUIFER IN THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT AND VICINITY, FLORIDA, MAY 2004

By
Sandra L. Kinnaman and Leel Knowles, Jr.
2004

Copies of this map can be purchased from:
U.S. Geological Survey
Branch of Information Services
Box 25286
Denver Federal Center
Denver, Colorado 80225-0286

Base from U.S. Geological Survey digital data, 1:100,000, 1983 Universal Transverse Mercator projection, Zone 17