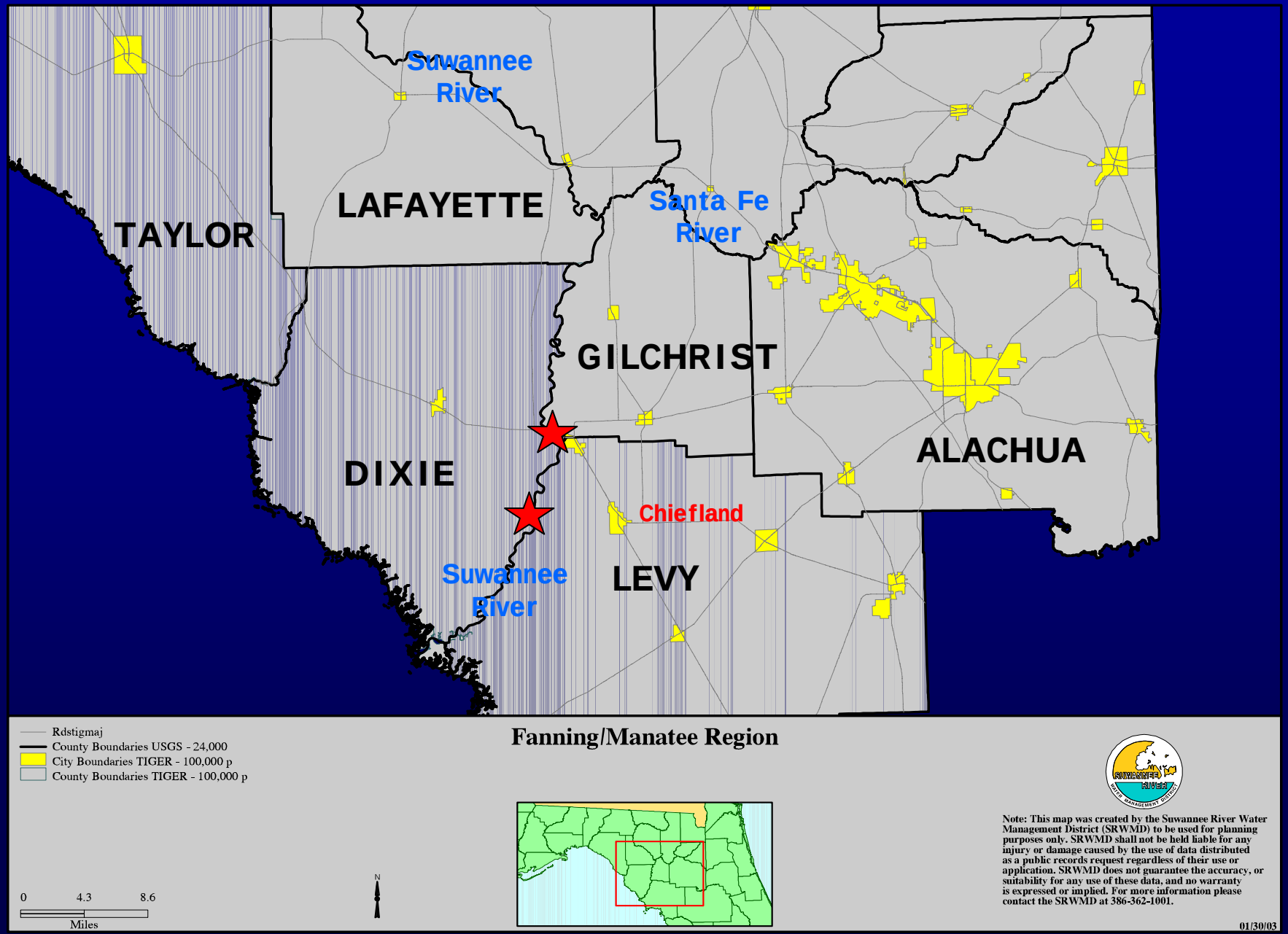
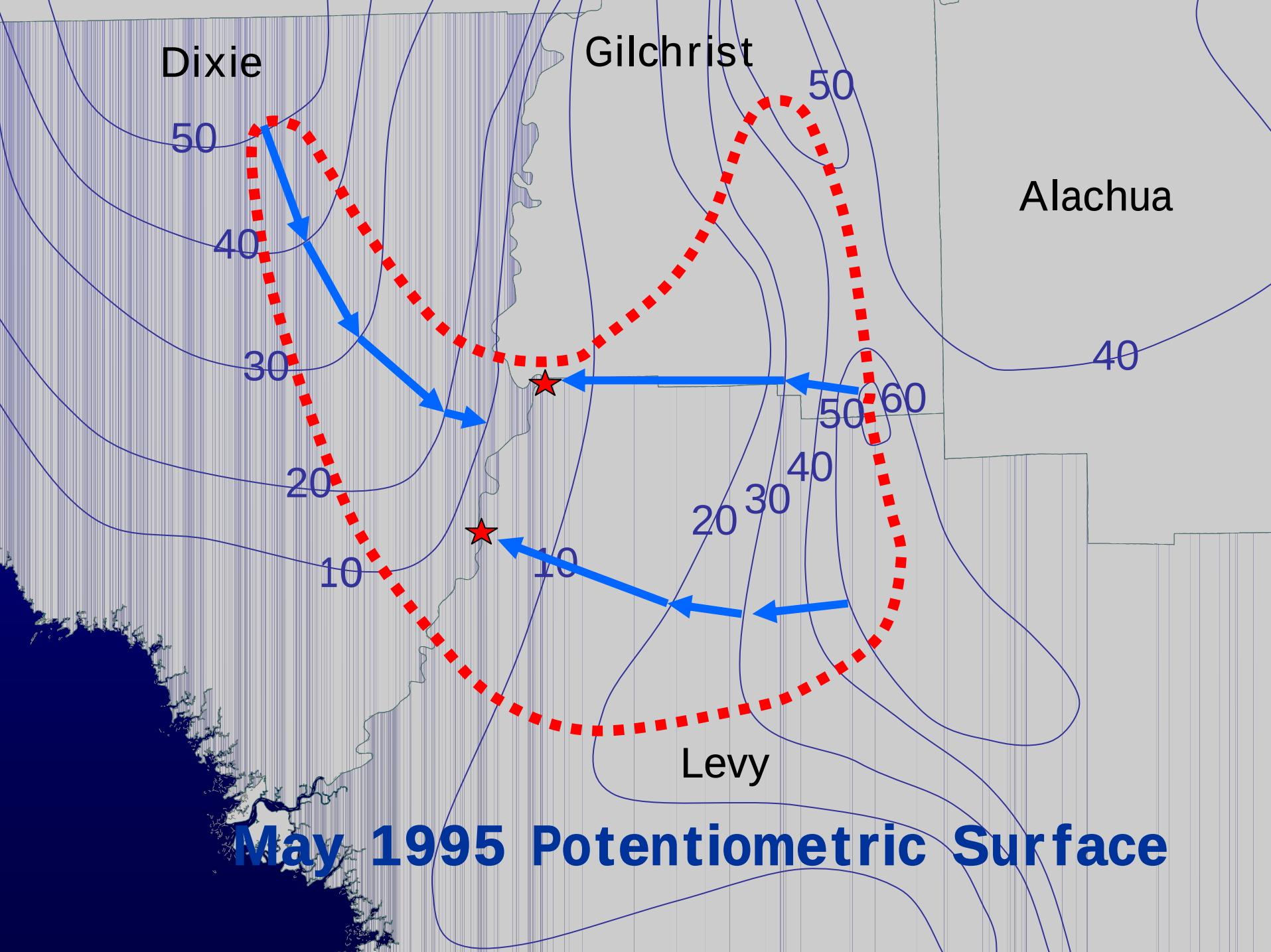
Delineation of the Fanning and Manatee Spring Basins

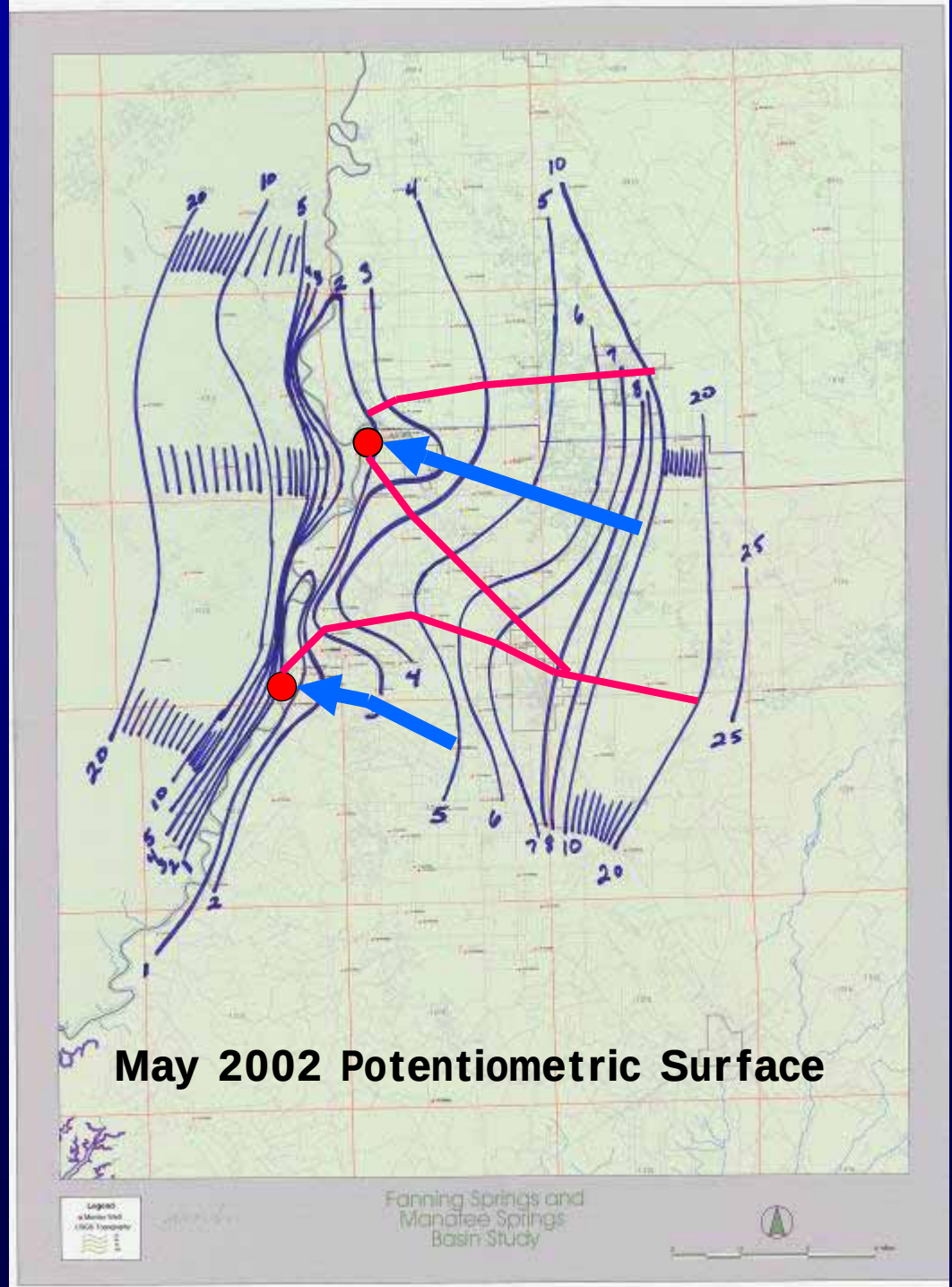
Ron Ceryak, P.G.

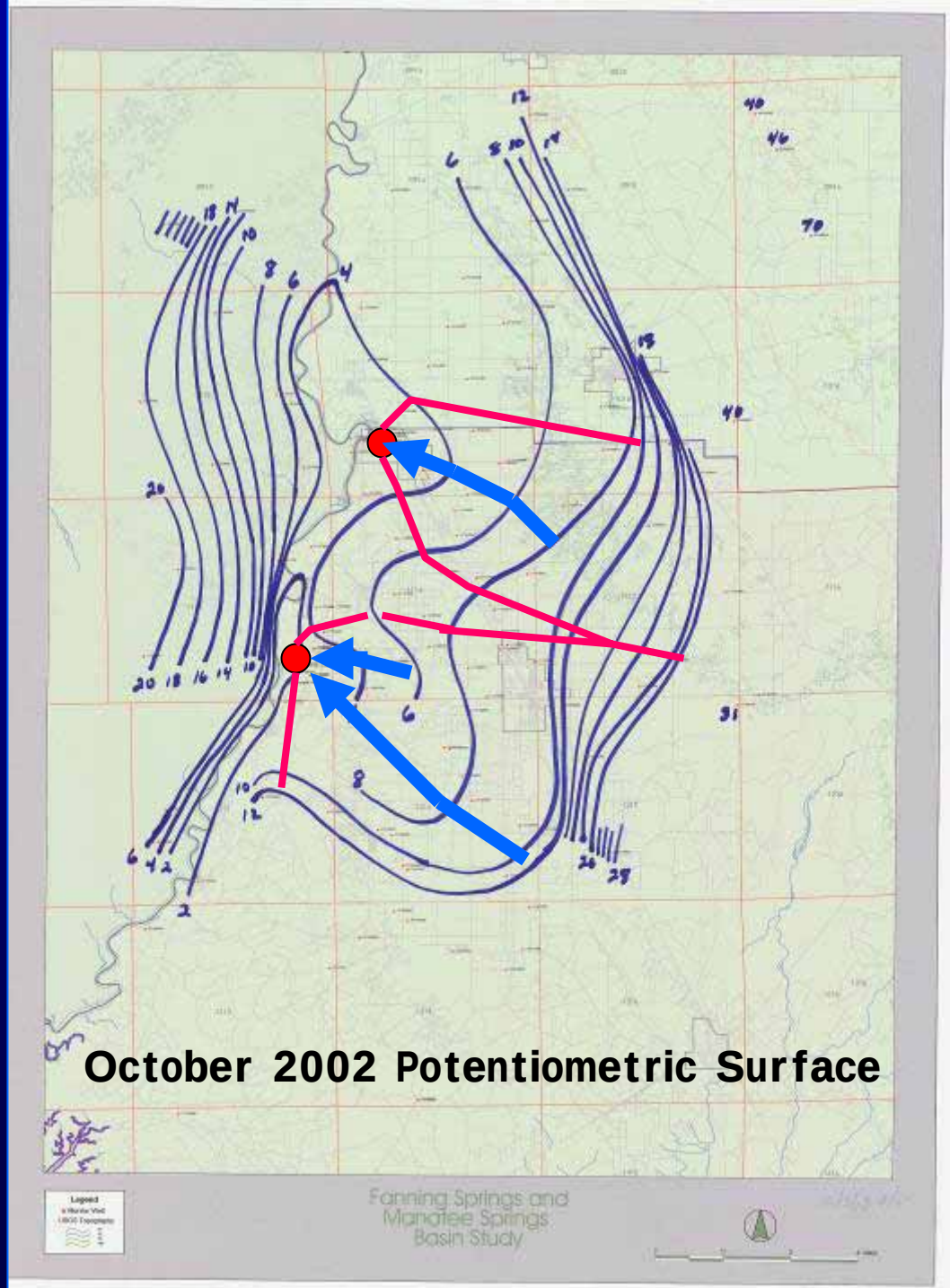
SRWMD

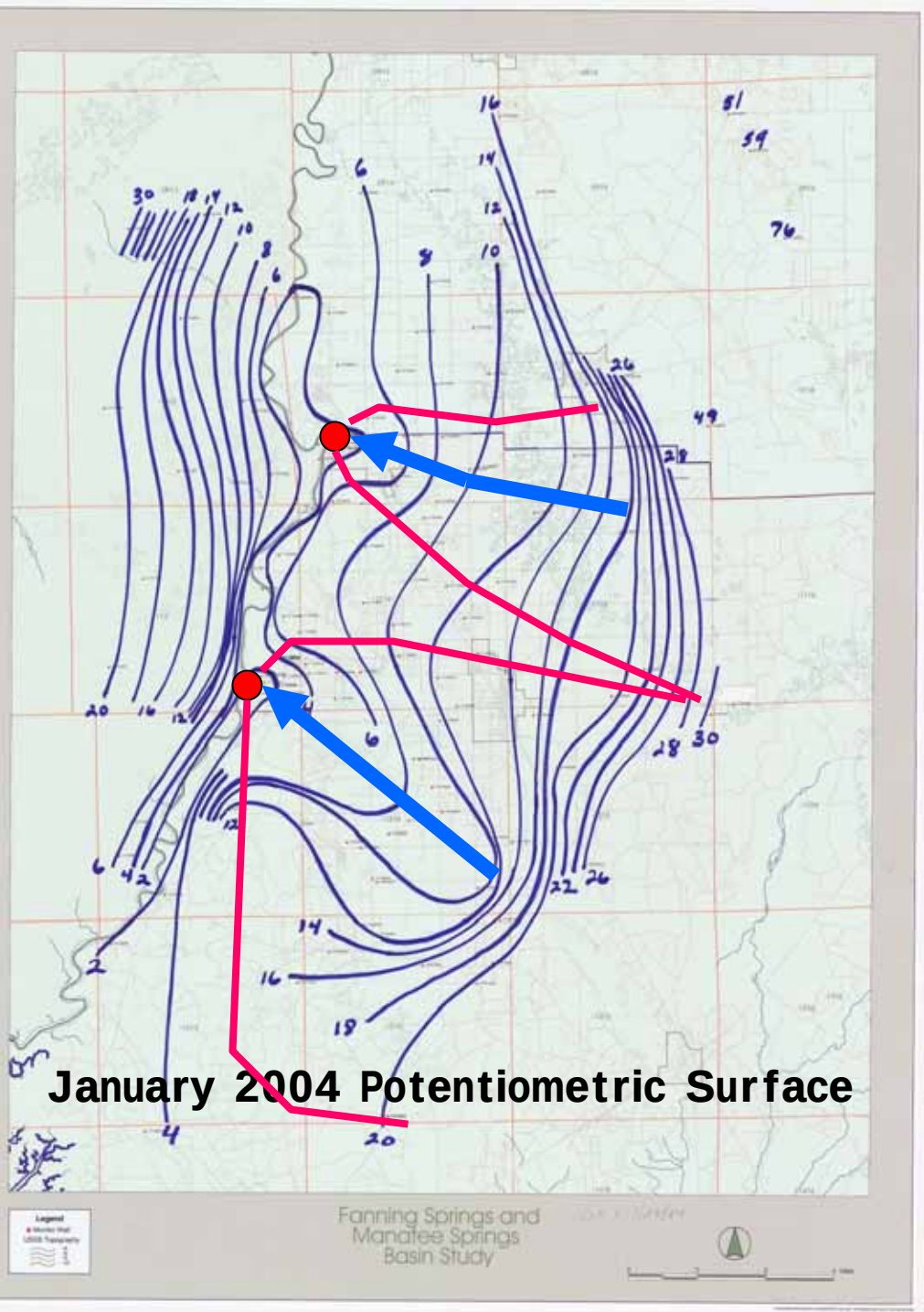

Suwannee River
LAFAYETTE
Santa Fe River
TAYLOR
GILCHRIST
ALACHUA
DIXIE
Chiefland
Suwannee River
LEVY
Rdstigmaj
County Boundaries USGS - 24,000
City Boundaries TIGER - 100,000 p
County Boundaries TIGER - 100,000 p
Fanning/Manatee Region
0
4.3
8.6
Miles
N
Note: This map was created by the Suwannee River Water Management District (SRWMD) to be used for planning purposes only. SRWMD shall not be held liable for any injury or damage caused by the use of data distributed as a public records request regardless of their use or application. SRWMD does not guarantee the accuracy, or suitability for any use of these data, and no warranty is expressed or implied. For more information please contact the SRWMD at 386-362-1001.
01/30/03

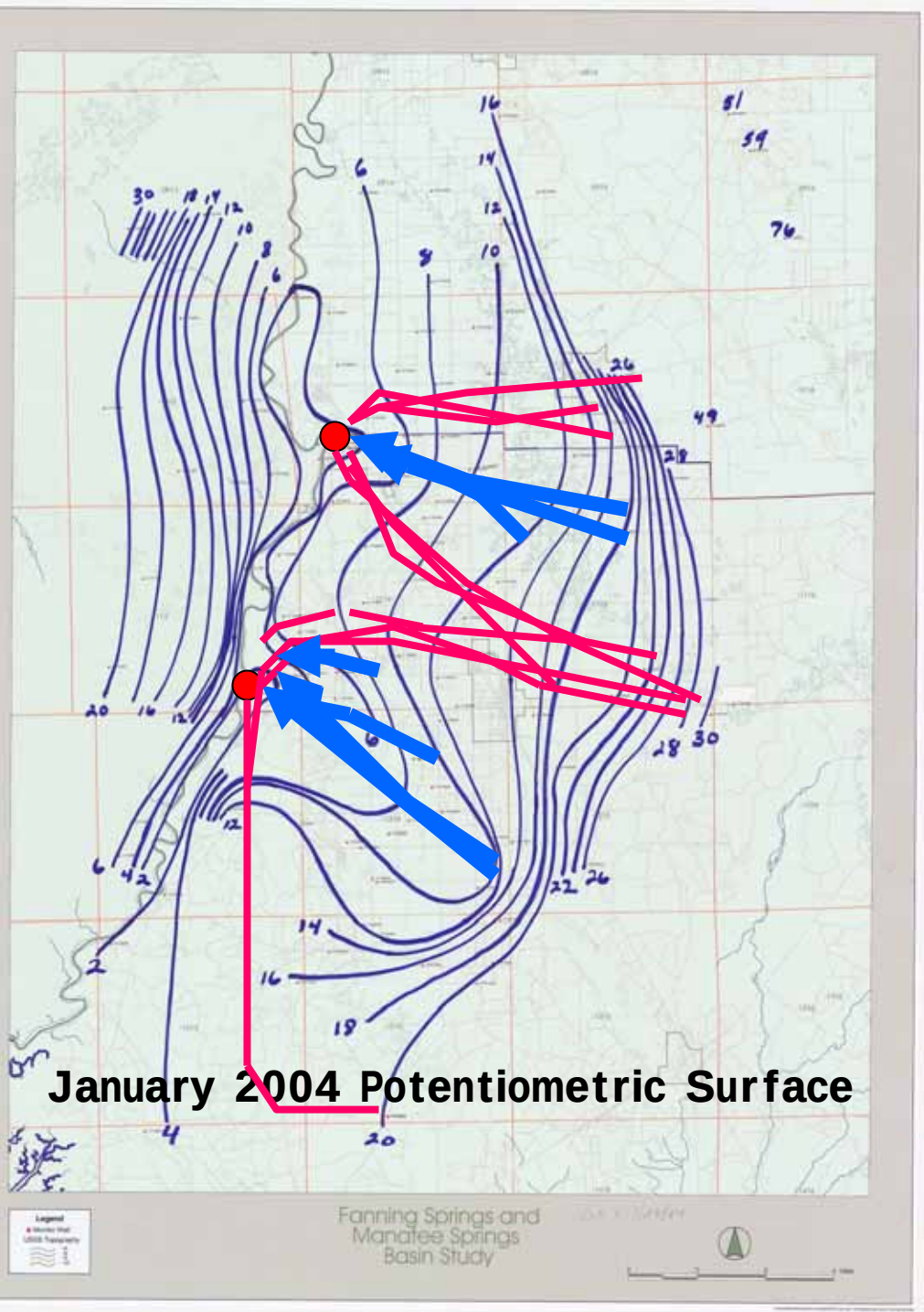


May 1995 Potentiometric Surface

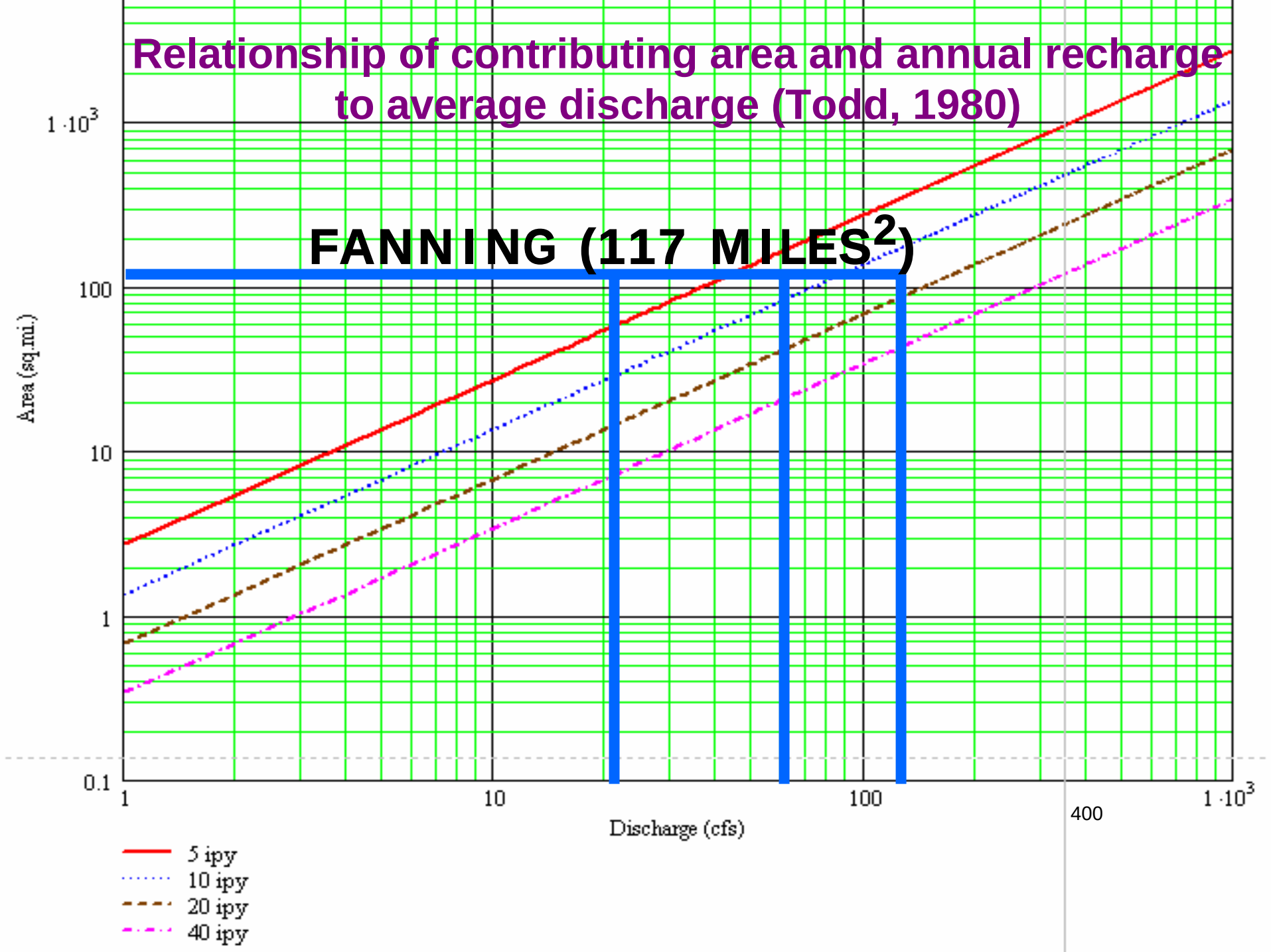

May 2002 Potentiometric Surface
Fanning Springs and
Manatee Springs
Basin Study

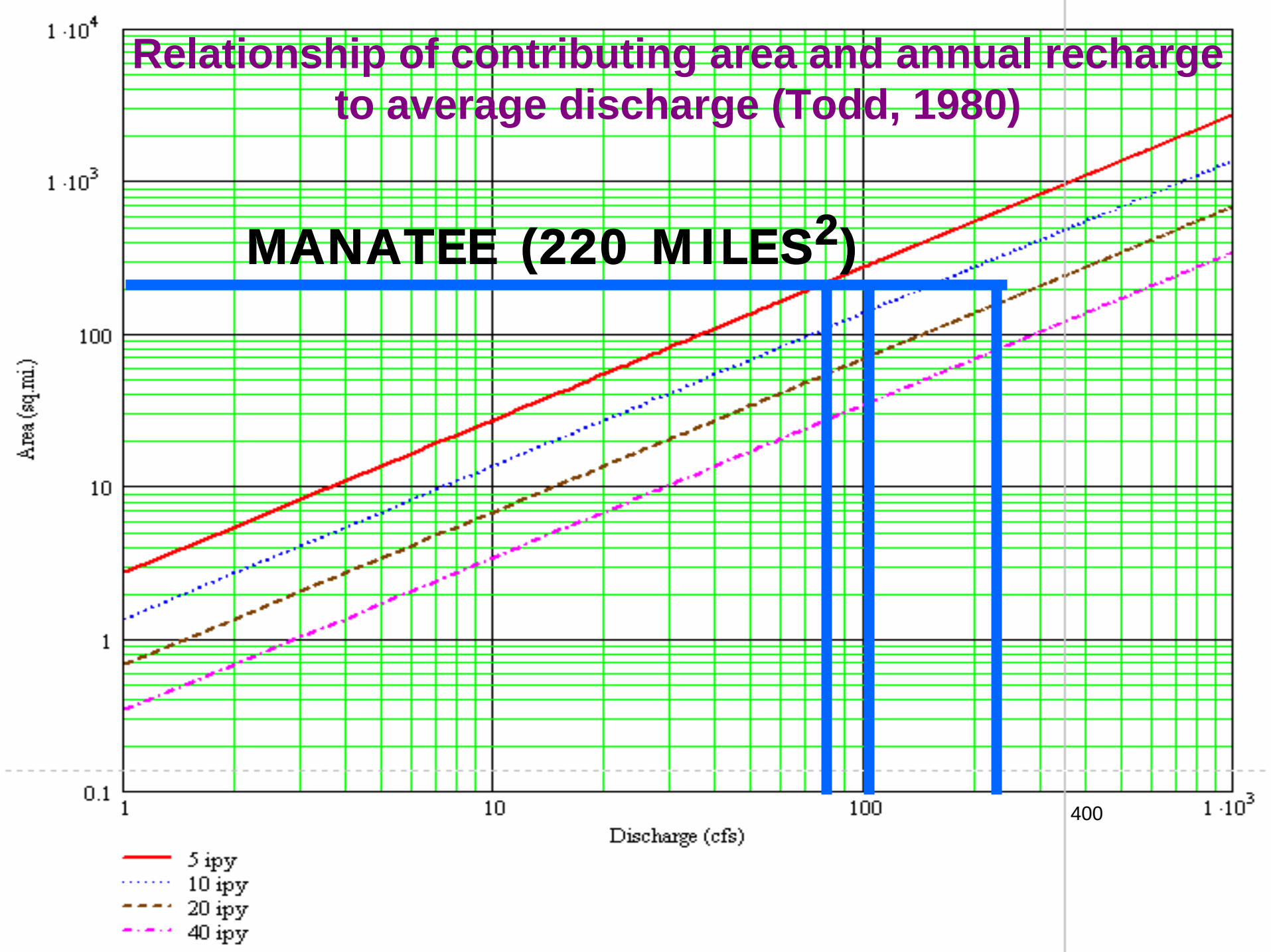

October 2002 Potentiometric Surface
Fanning Springs and
Manatee Springs
Basin Study

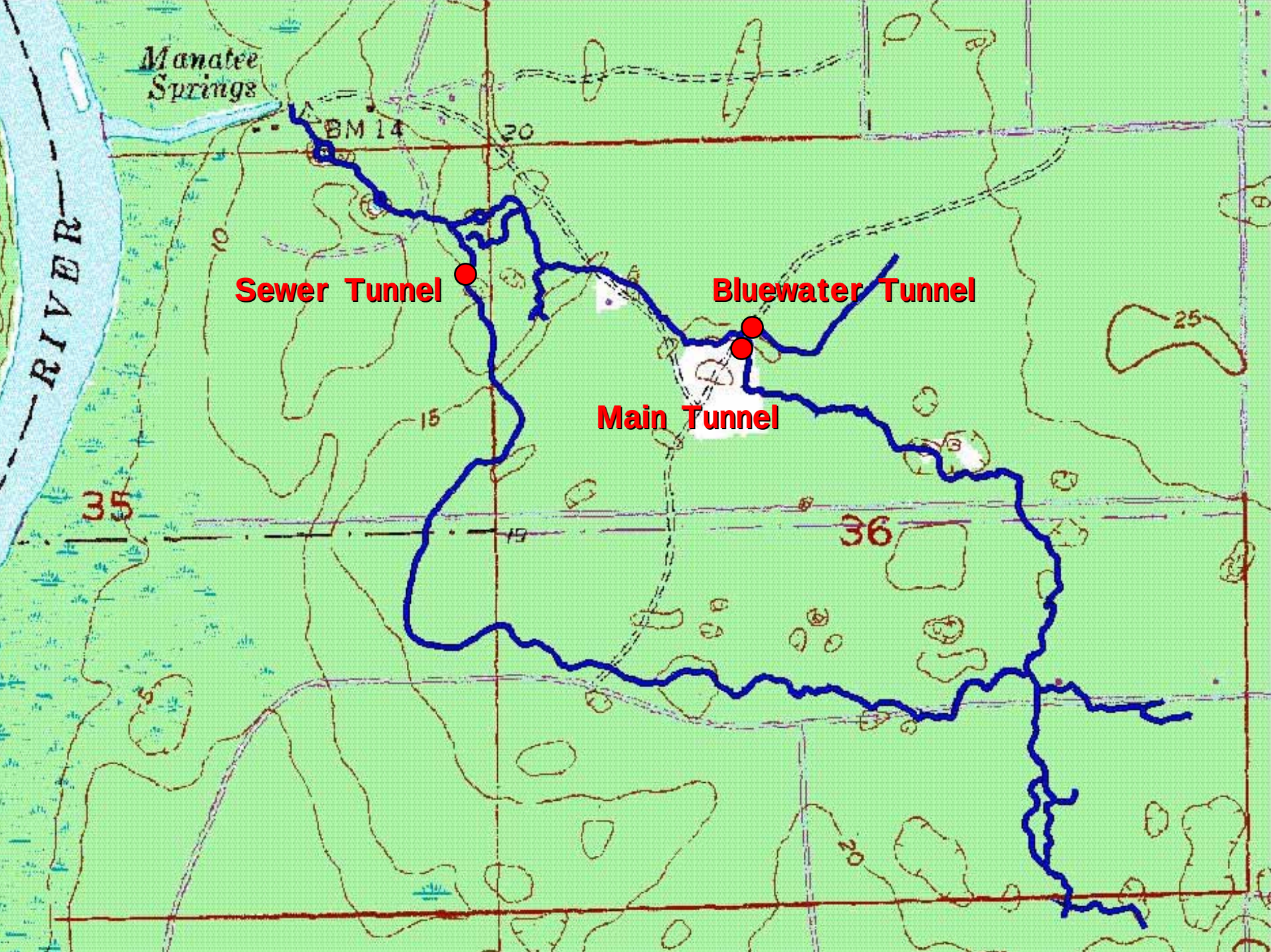

January 2004 Potentiometric Surface
Fanning Springs and
Manatee Springs
Basin Study


January 2004 Potentiometric Surface
Fanning Springs and
Manatee Springs
Basin Study

Relationship of contributing area and annual recharge to average discharge (Todd, 1980)




Relationship of contributing area and annual recharge to average discharge (Todd, 1980)
MANATEE (220 MILES^2)
$1 \cdot 10^4$
$1 \cdot 10^3$
100
10
1
0.1
Area (sq.mi.)
1
10
100
400
$1 \cdot 10^3$
Discharge (cfs)
5 ipy
10 ipy
20 ipy
40 ipy

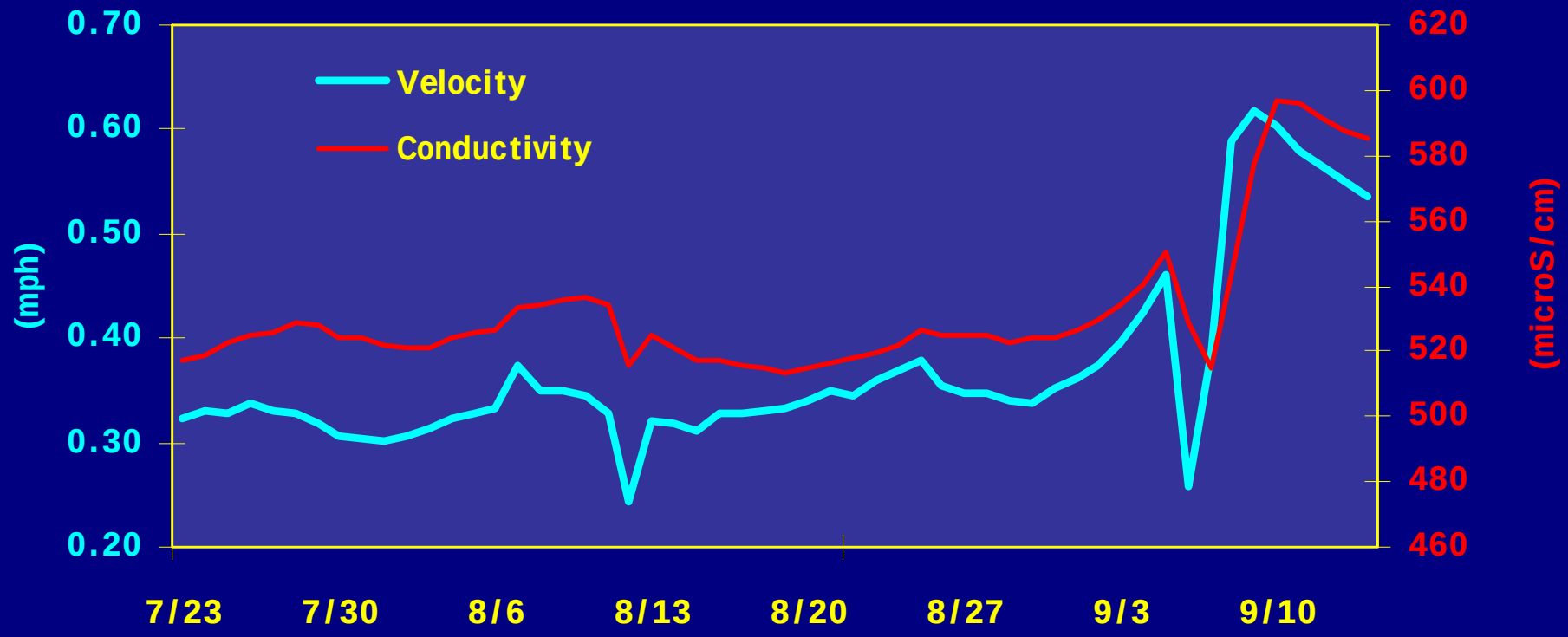
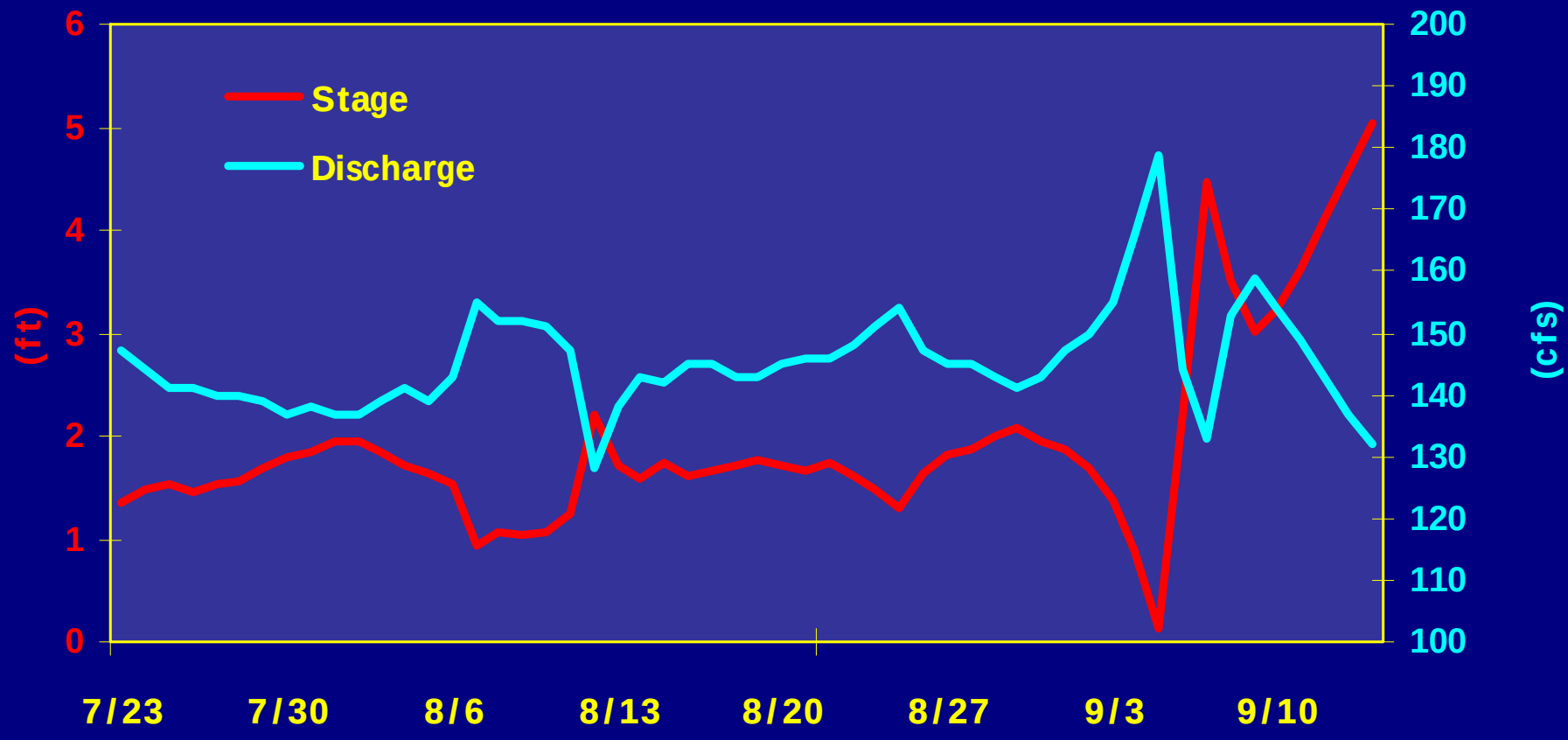

Manatee Springs
BM 14
RIVER
Sewer Tunnel
Bluewater Tunnel
Main Tunnel
35
36
10
15
20
25
5

Falmouth Scientific, Inc. Velocity Instrument

Main Tunnel

Sewer Tunnel

Bluewater Tunnel



Manatee Spring