

Exchanges of Water Between the Upper Floridan Aquifer and the Lower Suwannee And Santa Fe Rivers

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U.S. Geological Survey

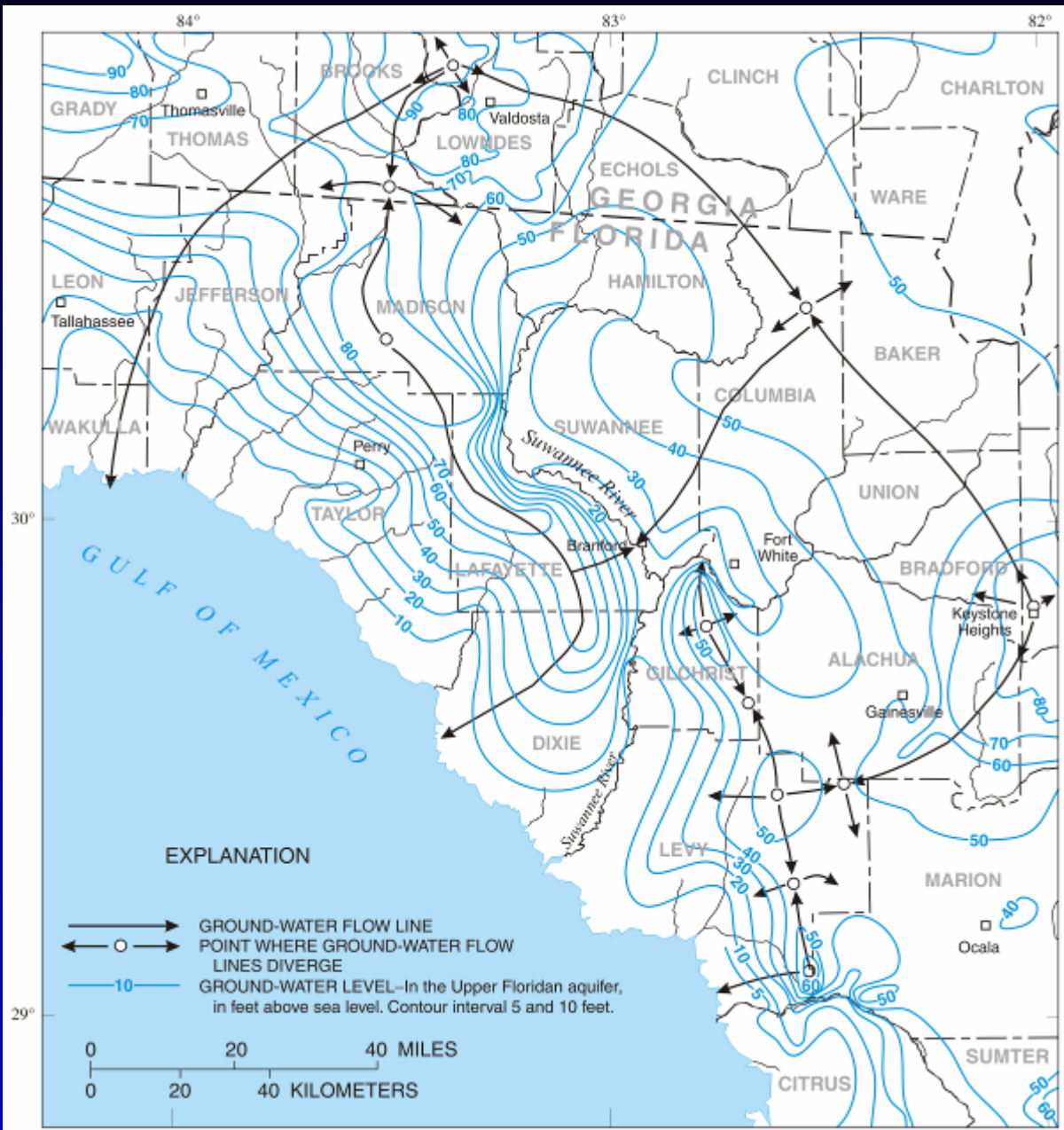
Acknowledgments

Suwannee River Water Management District:

- John Good
- Ron Ceryak
- Numerous others

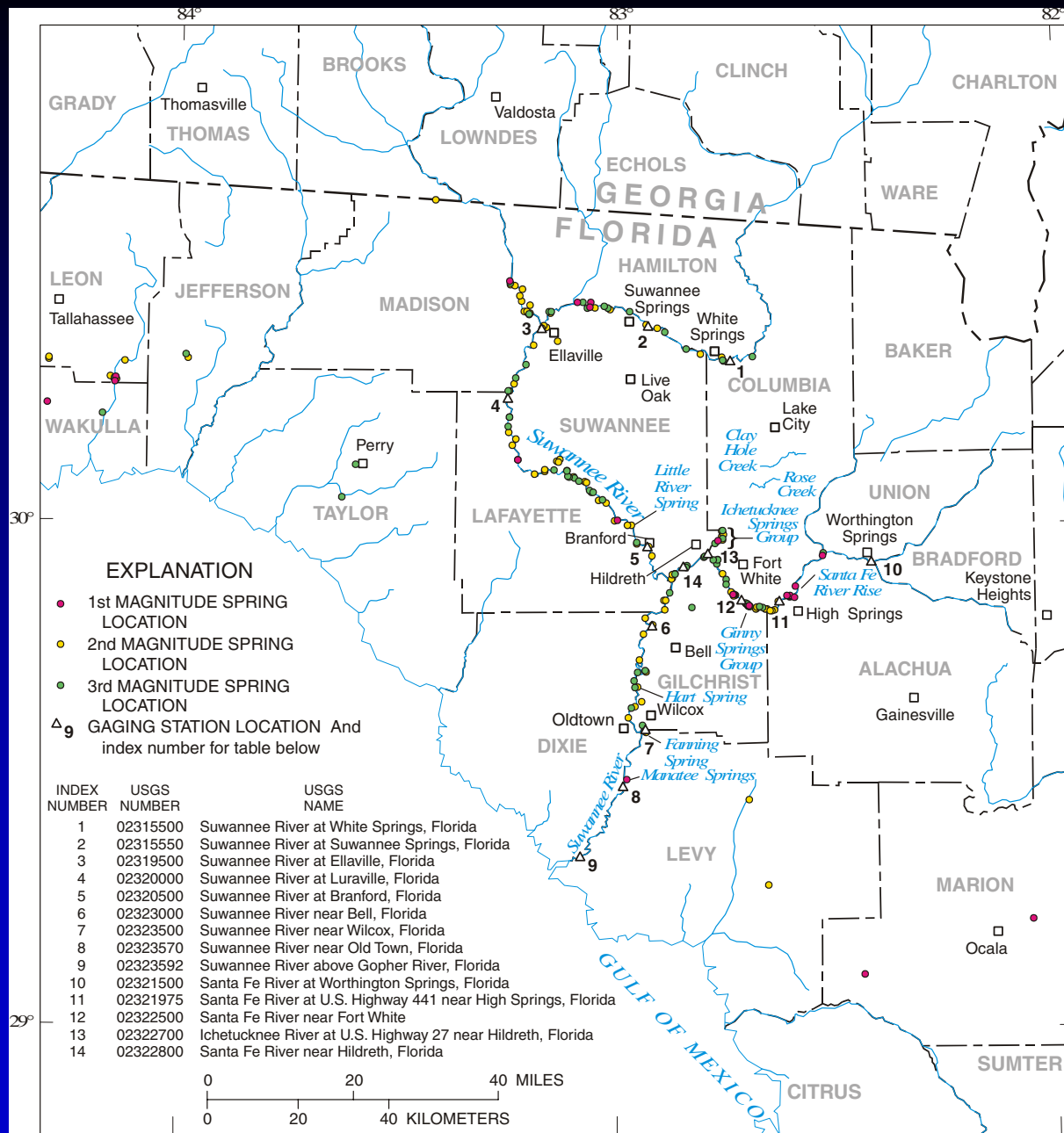
U.S. Geological Survey:

- Richard Marella
- Alejandro Sepulveda

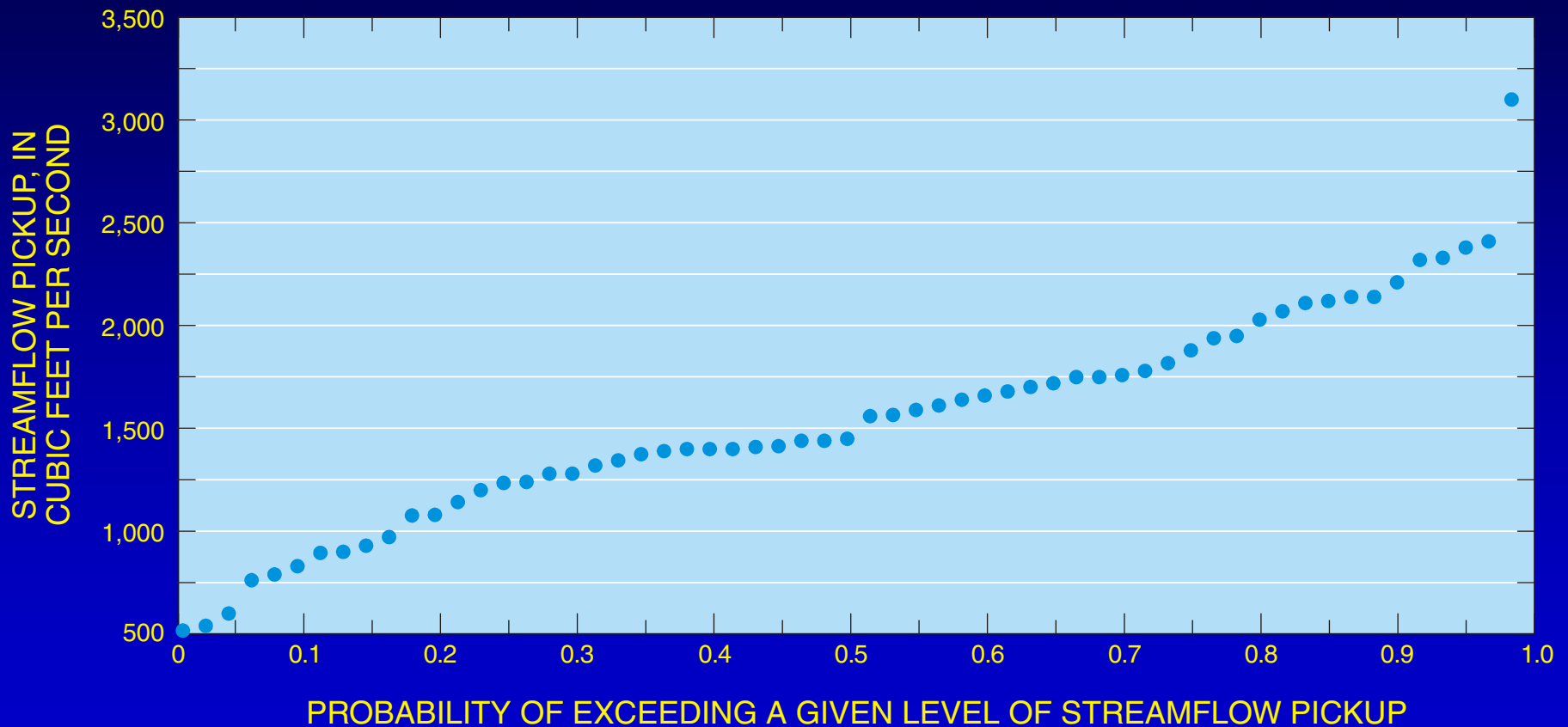


Ground-Water Flow System Boundaries

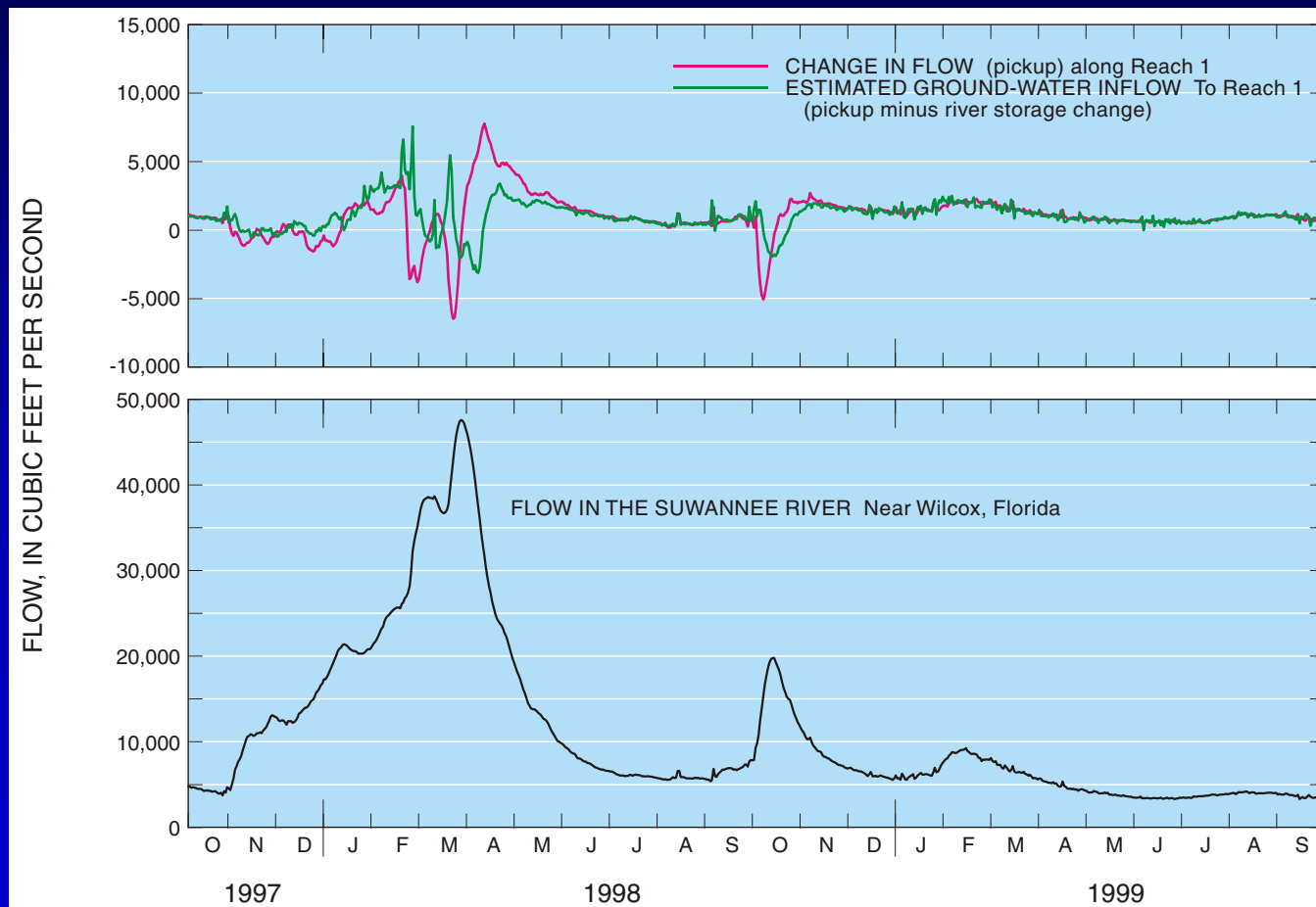
Spring Locations

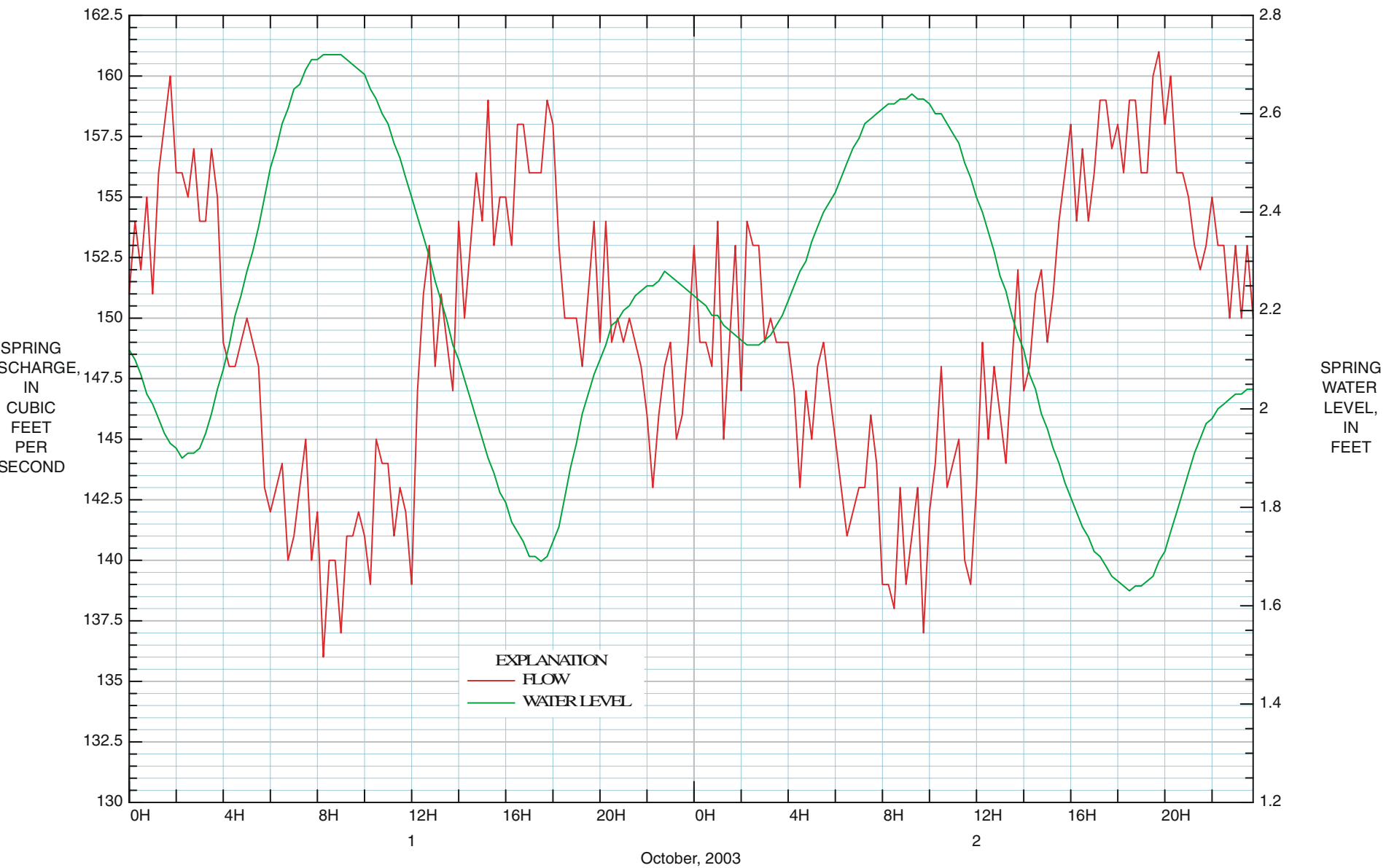


Annual Variability in Streamflow Pickup

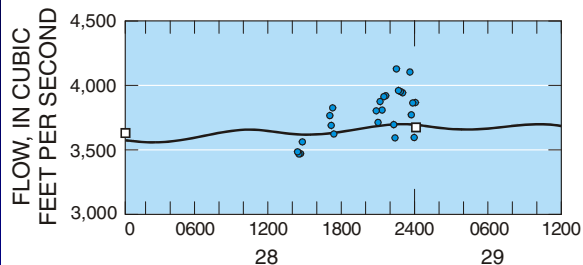


River-Aquifer Exchanges During Water Years 1998-1999





Tidally-Induced Spring-Flow Variability at Manatee Springs

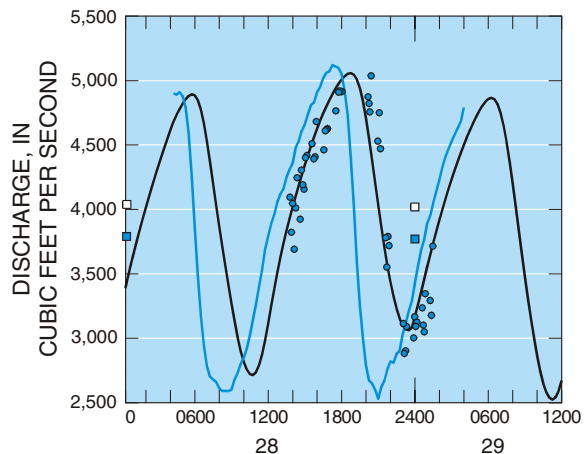


24-HOUR TIME, SEPTEMBER, 1999

EXPLANATION

- SIMULATED DAILY MEAN FLOW
- OBSERVED INSTANTANEOUS FLOW From ADCP
- SIMULATED INSTANTANEOUS FLOW

Simulated and observed flow in the Suwannee River near Bell, Florida, during September 28-29, 1999.

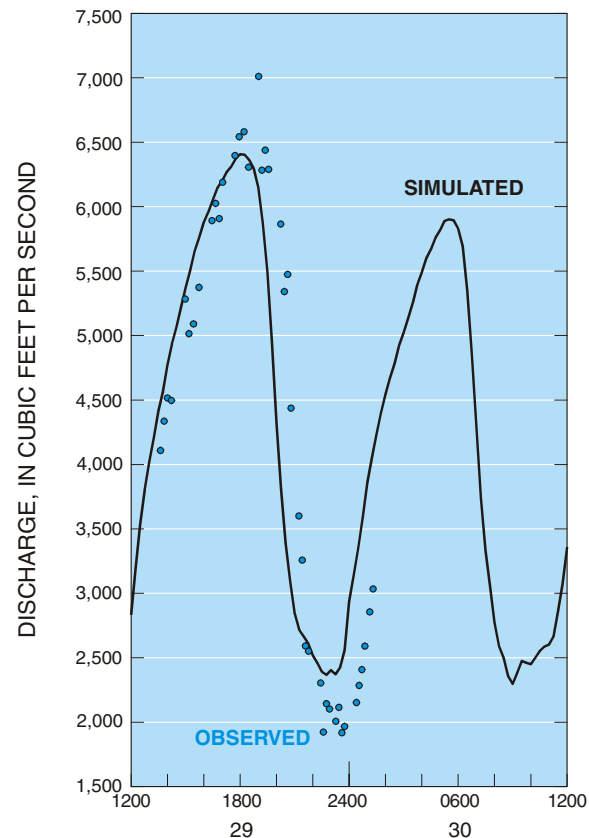


24-HOUR TIME, SEPTEMBER, 1999

EXPLANATION

- SIMULATED DAILY MEAN FLOW
- OBSERVED DAILY MEAN FLOW From slope rating
- OBSERVED INSTANTANEOUS FLOW From ADCP
- SIMULATED INSTANTANEOUS FLOW
- OBSERVED INSTANTANEOUS FLOW From slope rating

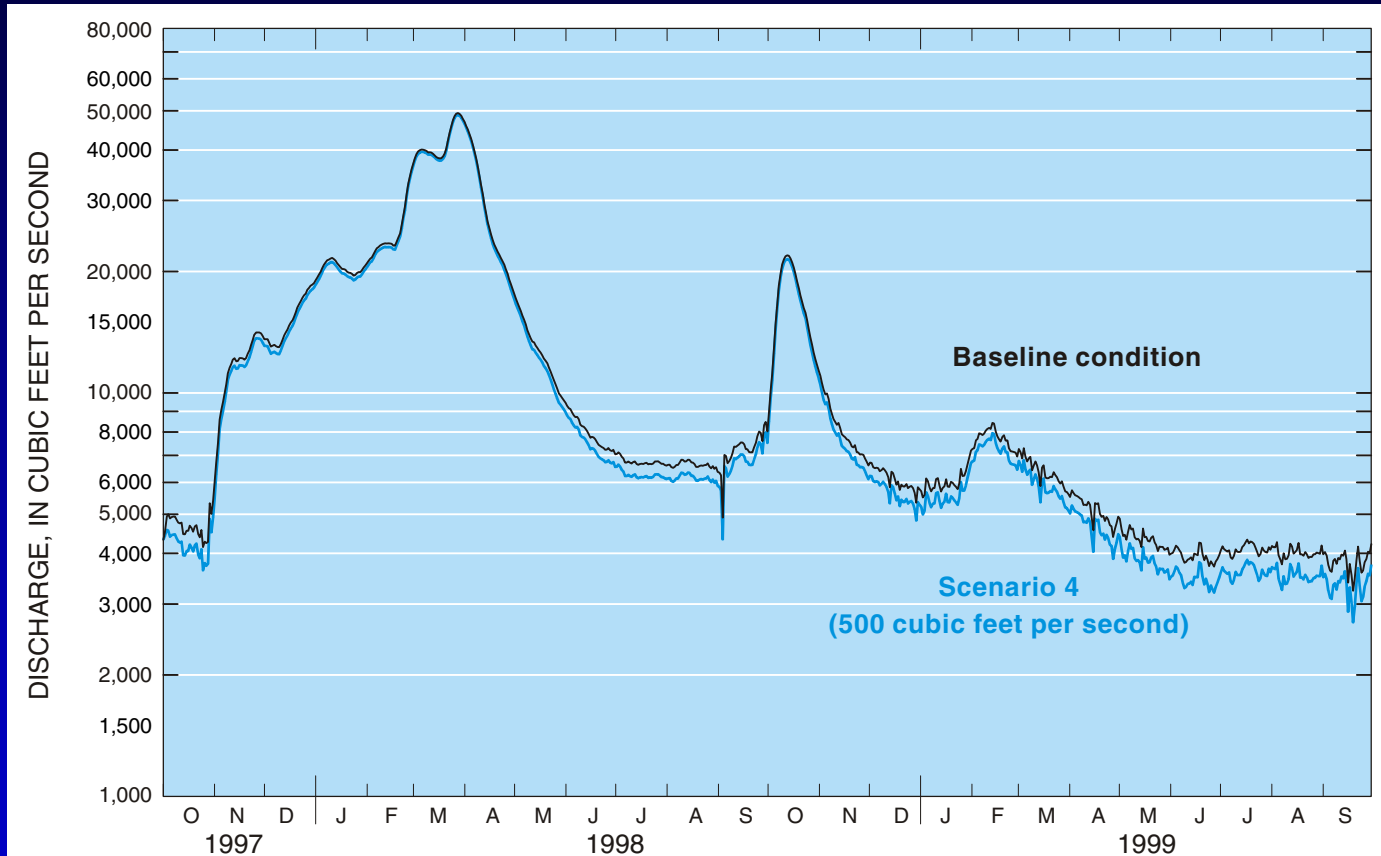
Simulated and observed flow in the Suwannee River near Wilcox, Florida, during September 28-29, 1999.



24-HOUR TIME, SEPTEMBER, 1999

Simulated and observed flow in the Suwannee River upstream from the mouth of Manatee Springs Run during September 29-30, 1999.

Understanding Changing Conditions



Understanding Changing Conditions

