

## **Selected References on GW/SW Interactions**

### **Hydrograph separation**

- Hinton, M.J., Schiff, S.L., and English, M.C., 1994, Examining the contributions of glacial till water to storm runoff using two- and three-component hydrograph separations: *Water Resources Research*, v. 30, no. 4, pp. 983-993.
- Institute of Hydrology (IOH), 1980, Low flow studies: Wallingford, Oxon, United Kingdom, Reports no. 1 and 3, 21 p.
- Nathan, R.J., and McMahon, T.A., 1990, Evaluation of automated techniques for base flow and recession analysis: *Water Resources Research*, vol. 26, no. 7, p. 1465-1473.
- Sloto, R.A., and Crouse, M.Y., 1996, HYSEP: A computer program for streamflow hydrograph separation and analysis: U.S. Geological Survey Water-Resources Investigations Report 96-4040, 46 p.
- Rutledge, A.T., 1993, Computer programs for describing the recession of ground-water discharge and for estimating mean ground-water recharge and discharge from streamflow records: U.S. Geological Survey Water-Resources Investigations Report 93-4121, 45 p.
- Wahl, K. L., and Wahl, T. L., 1988, Effects of Regional Ground-Water Declines on Streamflows in the Oklahoma Panhandle, Symposium on Water-Use Data for Water Resources Management, American Water Resources Association, Tucson, Arizona, pp. 239-249.  
[http://www.usbr.gov/pmts/hydraulics\\_lab/twahl/bfi/bfi\\_beaver\\_river.pdf](http://www.usbr.gov/pmts/hydraulics_lab/twahl/bfi/bfi_beaver_river.pdf)
- Winter, T.C., Harvey, J.W., Franke, L.O., and Alley, W.M., 1999, Ground water and surface water: a single resource: U.S. Geological Survey Circular 1139, 79 p.

### **Analytical models**

- Hunt, B.; 1999; Unsteady Stream Depletion from Ground Water Pumping; *Ground Water*, vol 37, no. 1, pp 9, 1999-102.
- Jenkins, C.T., 1968, Computation of rate and volume of stream depletion by wells: U.S. Geological Survey Techniques of Water-Resources Investigations, book 4, chap. D1, 17 p.

### **Numerical models**

- Granato, G.E., Barlow, P.M., and Dickerman, D.C., 2003, Hydrogeology and Simulated Effects of Ground-Water Withdrawals in the Big River Area, Rhode Island: U.S. Geological Survey Water-Resources Investigations Report 03-4222, 76 p.
- Harbaugh, A.W., Banta, E.R., Hill, M.C., and McDonald, M.G., 2000, MODFLOW-2000, the U.S. Geological Survey modular ground-water model -- User guide to modularization concepts and the Ground-Water Flow Process: U.S. Geological Survey Open-File Report 00-92, 121 p.
- Kauffman, L.J., Baehr, A.L., Ayers, M.A., and Stackelberg, P.E., 2001, Effects of land use and travel time on the distribution of nitrate in the Kirkwood-Cohansey aquifer system in southern New Jersey: U.S. Geological Survey Water-Resources Investigations Report 01-4117, 58 p.
- Nicholson, R.S., and Watt, M.K., 1997, Simulation of ground-water flow in the unconfined aquifer system of the Toms River, Metedeconk River, and Kettle Creek Basins, New Jersey: U.S. Geological Survey Water-Resources Investigations Report 97-4066, 100 p.
- Reilly, T.E., and Buxton, H.T., 1985, Effects of sanitary sewerage on ground-water levels and streams in Nassau and Suffolk Counties, New York, Part 3: Development and application of southern Nassau County Model: U.S. Geological Survey Water-Resources Investigations Report 83-4210, 41 p.