

**TAMPA BAY WATERSHED REPORTS PREPARED BY THE TAMPA SUBDISTRICT
OF THE
U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
CALENDAR YEARS 1977-99**

[/pubs/reports/published.reports](#)

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Table 1.--Summary of reports produced by the Tampa Subdistrict, by category, calendar years 1977-91, 1992, 1993, and 1994

Type of Publication	1977-91	1992	1993	1994	Total	
Water-Resources Investigation.....	99		6	5	1	111
Open-File Reports	118.....	6	7	1	137	
Professional Papers	2.....	--	--	--	2	
Water-Supply Papers	10.....	1	2	--	13	
Florida Bureau of Geology publications	3		1	--	--	4
Journal, WRD Bulletin, and miscellaneous articles	32.....	5	4	--	41	

HUD flood insurance studies.....	11	--	--	--	11
Abstracts 33 2.....	5	1	41		
Administrative Reports 2.....	3	2	--	7	
Total 310 24 25	3	367			

WATER-RESOURCES INVESTIGATIONS

Publication number	Project number	Title	Author(s)
76-108	152	Effects on ground-water quality from irrigating pasture land with sewage effluent near Lakeland, Florida	Reichenbaugh
77-13	125	Experimental study of artificial recharge alternatives in northwest Hillsborough County, Florida	Sinclair
77-64		A digital model of the Floridan aquifer, Tampa Bay area, Florida	Robertson and Mallory
77-74	178	Flood profiles of the Alafia River, west-central Florida, computed by the step-backwater method	Robertson
77-78	177	Geohydrologic evaluation of a landfill in a coastal area, St. Petersburg, Florida	Stewart and Hutchinson
77-115	209	Flood profiles of lower Brooker Creek, west-central Florida	Murphy
77-124	221	Appraisal of shallow ground-water resources and management alternatives in the upper Peace and eastern Alafia River basins, Florida	Hutchinson
78-4	217	Hydrogeologic factors affecting the availability and quality of ground water in the Temple Terrace area, Hillsborough County, Florida	Stewart, Goetz, and Mills
78-8	209	Flood profiles for Cypress Creek, west-central Florida	Murphy
78-29	265	Water-supply potential of the lower Hillsborough river, Florida, 1976	Goetz, Reichenbaugh and Ogle
8-102	112	Streamflow simulation studies of the Hillsborough, Alafia, and Anclote Rivers, west-central Florida	Turner
78-125	219	Hydrologic data from urban watersheds in the Tampa Bay area, Florida	Lopez and Michaelis
79-102 F.and	263	Evaluation of remote hydrologic data acquisition systems, west-central Florida	Turner J. Woodham, W.M.

WATER-RESOURCES INVESTIGATIONS

Publication number	Project number	Title	Author(s)
80-12	159	Water quality of Tampa Bay, Florida: June 1972-May 1976	Goetz and Goodwin
80-29	210	Model evaluation of the hydrogeology of the Morris Bridge well field and vicinity in west-central Florida	Ryder, Johnson, and Gerhart
80-102	292	Relations between freshwater flow and salinity distributions in the Alafia River, Bullfrog Creek, and Hillsborough Bay area, Florida	Giovannelli
80-118	293	Hydrogeology, estimated impact, and regional well monitoring of effects of subsurface wastewater injection, Tampa Bay area, Florida	Hickey
81-50	308	Sinkhole development as a result of groundwater withdrawals in the Tampa area, Florida	Sinclair
81-54	310	Digital model of predevelopment flow in the Tertiary limestone (Floridan) aquifer system in west-central Florida	Ryder
81-57	328	Borehole data-collection methods applicable for the Regional Observation and Monitor Well Program, Southwest Florida Water Management District	Hickey
81-74	242	Water resources of Manatee County, Florida	Brown
81-75	154	Results of deep-well injection testing at Mulberry, Florida	Hickey and Wilson
82-17	007	The benchmark farm program--a method for estimating irrigation water use in southwest Florida	Duerr and Trommer
82-30	316	Hydrogeology of a landfill operation, Pinellas County, Florida	Fernandez
82-37	300	Water resources and data network assessment of the Manasota Basin, Manatee and Sarasota Counties, Florida	Brown
82-42	219	Magnitude and frequency of flooding on small urban watersheds in the Tampa Bay area, Florida	Lopez and Woodham

WATER-RESOURCES INVESTIGATIONS

Publication number	Project number	Title	Author(s)
82-54	321	Assessment of the interconnection between Tampa Bay and the Floridan aquifer, Florida	Hutchinson
4052	330	Origins and distribution of saline ground water in the Floridan aquifer in coastal southwest Florida	Steinkampf
82-4070	285	Chloride concentration in the coastal margin of the Floridan aquifer, west-central Florida	Causseaux and Fretwell
82-4086	256	Trends and fluctuations in the potentiometric surface of the Floridan aquifer, west-central Florida	Yobbi
83-4041	257	Distribution of selected chemical constituents in water from the Floridan aquifer, Southwest Florida Water Management District	Corral
83-4072	316	Municipal solid-waste disposal and ground-water quality in a coastal environment, west-central Florida	Fernandez
-4085	339	Hydrogeology of the Sulphur Springs area, Tampa, Florida	Stewart and Mills
83-4180	107	Hydrogeology and water quality of six landfill sites in Hillsborough County, Florida	Stewart, Duerr, and Fernandez
83-4181	219	Water-quality characteristics of urban runoff and estimates of annual loads in the Tampa Bay area, Florida, 1975-80	Lopez and Giovannelli
83-4182	265	Evaluation of future base-flow water-quality conditions in the Hillsborough River, Florida	Fernandez, Goetz, and Miller
83-4193	316	Chemical quality of landfill leachate in treatment ponds and migration of leachate in the surficial aquifer, Pinellas County, Florida	Fernandez and Barr
83-4256	320	Effects of three phosphate industrial sites on ground-water quality in central Florida, 1979 to 1980	Miller and Sutcliffe
83-4261	143	Hydrology of Lake Carroll, Hillsborough	Henderson,

WATER-RESOURCES INVESTIGATIONS

Publi- cation number	Project number	Title	Author(s)
84-4002	332	Hydrogeology of well-field areas near Tampa, Florida, phase 2--development and documentation of a quasi-three-dimensional finite-difference model for simulation of steady-state ground-water flow	Hutchinson
84-4015	331	Regional flood relations for unregulated lakes in west-central Florida	Lopez and Hayes
84-4016	375	Ground-water models as a management tool in Florida	Hutchinson
84-4018	257	Generalized thickness and configuration of the top of the intermediate aquifer, west-central Florida	Corral and Wolansky
84-4044	257	Aquifer tests in west-central Florida, 1952-76 (1985)	Wolansky and Corral
84-4222	404	Impacts of the Tampa Bypass Canal system on the areal hydrology, Hillsborough County, Florida (1985)	Knutilla and Corral
84-4289	356	The surficial aquifer in Pinellas County, Florida (1985)	Causseaux
84-4299	329	Low-flow frequency analyses for streams in west-central Florida (1985)	Hammett
84-4301	382	Salinity characteristics and distribution and effects of alternative plans for fresh-water withdrawal, Little Manatee River estuary and adjacent area of Tampa Bay, Florida (1985)	Fernandez
85-4062	425	Reconnaissance of water quality at a U.S. Department of Energy site, Pinellas County, Florida (1985)	Fernandez
85-4126	308	Types, features, and occurrence of sinkholes in the karst of west-central Florida (1985)	Sinclair and others
86-4315	143	Hydrology of Island Ford Lake, Hillsborough County, Florida (1987)	Henderson
87-4010	354	Relation between ground water and surface	Wolansky and

water in the Hillsborough River basin, west-central Florida (1987)

Thompson

WATER-RESOURCES INVESTIGATIONS

Publication number	Project number	Title	Author(s)
87-4013	427	Potential for pollution of the Upper Floridan aquifer from five sinkholes and one internally drained basin in west-central Florida (1987)	Trommer
87-4166	429	Hydrology of the Citrus Park quadrangle, Hillsborough County, Florida (1988)	Corral and Thompson
87-4259	411	Geohydrology and 1985 water withdrawals of the aquifer systems in southwest Florida, with emphasis on the intermediate aquifer system (1988)	Duerr, Hunn, Lewelling, and Trommer
88-4032	001	The U.S. Geological Survey stream-gaging program in west-central Florida (1988)	Mycyk
88-4171	400	Potential for saltwater intrusion into the Upper Floridan aquifer, Hernando and Manatee Counties, Florida (1989)	Mahon
89-4142	384	An assessment of the variable-salinity ground-water flow through the middle confining unit of the Floridan aquifer system, west-central Florida (Approved 9-05-89, published 1990)	Hickey
91-4026	485	Hydrogeology and simulated development of the brackish ground-water resources in Pinellas County, Florida (Approved 2-13-91, published 1991, FY 91)	Knochenmus and Thompson
91-4070	482	Size classification of bed sediment and selection of resuspension monitoring sites in upper Tampa Bay, Florida (Approved 5-17-91, published 1992, FY 92)	Schoellhamer
91-4158	428	Relation of change in water levels in surficial and Upper Floridan aquifers and lake stage to climatic conditions and well-field pumpage in northwest Hillsborough, northeast Pinellas, and south Pasco Counties, Florida (Approved 10-29-91, published 1992, FY 92)	Lopez and Fretwell
91-4168	154	A preliminary approach to the use of borehole data, including television surveys, for characterizing secondary porosity of carbonate rocks in the Floridan aquifer system (Approved 11-18-91, published 1992, FY 93)	Safko and Hickey

WATER-RESOURCES INVESTIGATIONS

Publi- cation number	Project number	Title	Author(s)
91-4181	472	Effects of effluent spray irrigation and sludge disposal on ground water in a karst region, northwest Pinellas County, Florida (Approved 12-10-91, published 1992, FY 93)	Trommer
92-4127	482	Resuspension of bottom sediments, sedimentation, and tributary storm discharge at Bayboro Harbor and the Port of St. Petersburg, Florida (Approved 8-25-92, published 1993, FY 93)	Schoellhamer
92-4139	471	Hydrogeology and chemical quality of water and bed sediments at three stormwater detention ponds, Pinellas County, Florida (Approved 9-24-92, published 1993, FY 93)	Fernandez and Hutchinson
92-4141	514	Application of ground-penetrating radar methods in determining hydrogeologic conditions in a karst area, west-central Florida (Approved 9-24-92, published 1993, FY 94)	Barr
93-4002	473	Evaluation of the hydrologic effect of phosphate-mined land reclamation in small basins, central Florida (Approved 1-08-93, published 1993, FY 93)	Lewelling and Wylie
93-4120	458	Description and monitoring of the saltwater-freshwater transition zone in aquifers along the west-central coast of Florida (Approved 7-02-93, published 1993, FY 94)	Trommer
93-4171	496	Hydrogeology and results of tracer tests at the old Tampa well field in Hillsborough County, with implications for wellhead-protection strategies in west-central Florida (Approved 9-17-93, published 199_, FY 9_)	Robinson
94-4013	523	Types of secondary porosity in carbonate injection interval and overlying rocks in southern peninsular Florida (Approved 1-24-94, published 1995, FY 9_)	Duerr
94-4081	482	Summary of sediment resuspension monitoring activities, old Tampa Bay	Levesque Schoellhamer
94-4217	362	Efficiency of a stormwater detention pond in reducing loads of chemical and physical constituents in urban	Kantrowitz Woodham

streamflow, Pinellas County, Florida

WATER-RESOURCES INVESTIGATIONS

Publication number	Project number	Title	Author(s)
95-4107	509	The effect of discharge and water quality of the Alafia River, Hillsborough River, and the Tampa Bypass Canal on nutrient loading to Hillsborough Bay, Florida	Stoker Levesque Woodham
95-4167	527	Discharge, water-quality characteristics, and nutrient loads from nutrient loads from McKay Bay, Delaney Creek, and east bay, Tampa, Florida	Stoker Levesque Fritz
95-4250	518	Water quality, pesticide occurrence, and effects of irrigation with reclaimed water at golf courses in Florida	Amy Swancar
95-4271	557	Simulation of subsurface storage and recovery of treated effluent injected in a saline aquifer, St. Petersburg, Florida	Yobbi
96-4030	532	Potential for water-quality degradation of interconnected aquifers in west-central Florida	Metz Brendle
96-4063	535	Hydrogeology of the surficial and intermediate aquifer systems in Sarasota and adjacent counties, Florida	Barr
96-4146	531.3	Geochemical and isotopic composition of ground water, with emphasis on sources of sulfate, in the upper Floridan aquifer and intermediate aquifer system in southwest Florida	Sacks Tihansky
96-4158	525.2	Evaluation and modification of five techniques for estimating stormwater runoff for watersheds in west-central Florida	Trommer Loper Hammett
96-4164	566	Assessment of the fresh- and brackish-water resources underlying dunedin and adjacent areas of northern Pinellas County, Florida	Knochenmus Swenson
97-4024	557.2	Simulation of subsurface storage and recovery of effluent using multiple wells, St. Petersburg, Florida	Yobbi
97-4265	586	Tidal flow in selected areas of Tampa Bay and Charlotte Harbor, Florida, 1995-96	DelCharco
98-4251	555.2	Water budget and water quality of Ward Lake, flow and water-quality characteristics of the Braden River Estuary, and the effects of Ward Lake on the hydrologic system, west-central Florida	Trommer DelCharco Lewelling

OPEN-FILE REPORTS

Publication number	Project number	Title	Author(s)
76-80	256	Potentiometric surface of the Floridan aquifer, May 1975, and change of the potentiometric surface, 1969 to 1975, Southwest Florida Water Management District and adjacent areas	Mills and Laughlin
76-124	143	Hydrology of Keystone Lake in northwest Hillsborough County, Florida	Reichenbaugh
76-721	154	Hydrologic data for a subsurface waste-injection site at Mulberry, Florida	Wilson
77-257	191	Potentiometric surface of the Floridan aquifer and water table in the surficial aquifer, May 1976	Hutchinson and Mills
77-353	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, September 1976	Ryder, Laughlin, and Mills
77-511	154	Hydrologic data for a subsurface waste-injection site at Mulberry, Florida, 1972-76	Wilson
77-551	191	Potentiometric surface of the Floridan aquifer and water table in the surficial aquifer in selected well fields, September 1976	Ryder and Mills
77-552	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, May 1977	Ryder, Laughlin, and Mills
77-642	191	Potentiometric surface of the Floridan aquifer and water table in the surficial aquifer in selected well fields, May 1977	Ryder and Mills
77-802	152	Hydrogeologic data for the McKay Creek subsurface waste-injection test site, Pinellas County, Florida	Hickey
77-882	264	Simulated changes in ground-water levels from proposed phosphate mining, west-central Florida, a preliminary report	Wilson

OPEN-FILE REPORTS

Publication number	Project number	Title	Author(s)
78-9	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, September 1977	Ryder, Mills, and Woodham
78-29	142	Ground water withdrawn for municipal, industrial, and irrigation use in the upper Peace and Alafia River basins, west-central Florida	Robertson, Mills, and Parsons
78-34	257	Configuration of the top of the Floridan aquifer, Southwest Florida Water Management District and adjacent areas	Buono and Rutledge
78-311	191	Potentiometric surface of the Floridan aquifer and water table in the surficial aquifer in selected well fields, September 1977	Ryder, Mills, and Laughlin
78-331	280	Summary of U.S. Geological Survey investigations and hydrologic conditions in the Southwest Florida Water Management District for 1977	Buono, Causseaux, and Moore
78-575	152	Hydrogeologic data for the South Cross Bayou subsurface-injection test site, Pinellas County, Florida	Hickey
78-720	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District and adjacent areas, May 1978	Wolansky, Mills, Woodham, and Laughlin
78-820	107	Water-quality data for landfills, Hillsborough County, Florida, January 1974-October 1977	Fernandez and Hallbourg
78-821	152	Water-quality data from a sludge disposal test site, St. Petersburg, Florida, November 1973-July 1977	Fernandez
78-822	152	Water-quality data from a landfill, Pinellas County, Florida, May 1975-October 1977	Fernandez
78-852	198	Hydrologic data for the Southwest subsurface-injection test site, St. Petersburg, Florida	Hickey and Spechler
78-853	198	Hydrogeologic data for the Bear Creek subsurface-injection test site, St. Petersburg, Florida	Hickey and Barr

OPEN-FILE REPORTS

Publi- cation number	Project number	Title	Author(s)
78-939	191	Potentiometric surface of the Floridan aquifer and water table in the surficial aquifer in selected well fields, west-central Florida, May 1978	Wolansky, Mills, and Woodham
78-984	208	Field data from an observation well in Hillsborough Bay near Tampa, Florida, drilled March 14 to April 5, 1978	Sinclair
78-1030	208	Text data from the chloride-monitor well at Sun City Center, Hillsborough County, Florida	Sinclair
78-1035	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, September 1978	Wolansky, Mills, Woodham,
	and		Laughlin
78-1045	191	Potentiometric surface of the Floridan aquifer and water table in the surficial aquifer in selected well fields, west-central Florida, September 1978	Wolansky, Mills, and Woodham
79-683	154	Hydrologic data for a subsurface waste-injection site, Mulberry, Florida	Wilson
79-1071	257	Generalized thickness of the surficial deposits above the confining bed overlying the Floridan aquifer, Southwest Florida Water Management District	Wolansky, Spechler, and Buono
79-1171	257	Generalized thickness of the confining bed overlying the Floridan aquifer, Southwest Florida Water Management District	Buono, Spechler, Barr, and Wolansky
79-1255	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, May 1979	Wolansky, Mills, Woodham,

and

Laughlin

79-1257	280	Summary of U.S. Geological Survey investigations and hydrologic conditions in the Southwest Florida Water Management District for 1978	Knutilla and Rollins
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OPEN-FILE REPORTS

Publication number	Project number	Title	Author(s)
79-1262	232	Hydrologic data for the Morris Bridge well-field area, Hillsborough County, Florida, 1971-78	Duerr
79-1271	264	Simulated effects of ground-water development on potentiometric surface of the Floridan aquifer, west-central Florida	Wilson and Gerhart
79-1293	277	Regional flood-frequency relations for west-central Florida	Seijo, Giovannelli, and Turner
79-1297	003	Summary of hydrologic data for the Tampa Bypass Canal, July 1974-September 1976	Causseaux and Rollins
79-1450	191	Water table in the surficial aquifer and potentiometric surface of the Floridan aquifer in selected well fields, west-central Florida, May 1979	Wolansky, Mills, and Woodham
79-1490	257	Generalized configuration of the bottom of the Floridan aquifer, Southwest Florida Water Management District	Wolansky, Barr, and Spechler
80-46	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, September 1979	Yobbi, Mills, and Woodham
80-70	107	Hydrogeologic data for Eureka Springs landfill and adjacent area, north-central Hillsborough County, Florida	Duerr and Stewart
80-210	191	Ground-water levels in selected well fields in west-central Florida, September 1979	Yobbi, Mills, and Woodham
80-345	281	Hydrologic monitoring program in Eldridge-Wilde and East Lake Road well-field area, Pinellas and Hillsborough Counties, Florida,	Gerhart and Joyner

1977 water year

OPEN-FILE REPORTS

Publication number	Project number	Title	Author(s)
80-433	257	Configuration of the top of the highly permeable dolomite zone of the Floridan aquifer, Southwest Florida Water Management District	Wolansky, Barr, and Spechler
80-587	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, May 1980	Yobbi, Woodham, and Schiner
80-1001	191	Ground-water levels in selected well fields in west-central Florida, May 1980	Yobbi, Mills, and Woodham
80-1021	159	Preliminary simulated tidal flow and circulation patterns in Hillsborough Bay, Florida	Goodwin
80-1280	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, September 1980	Yobbi, Woodham, and Schiner
80-1288	257	Generalized thickness of the Floridan aquifer, Southwest Florida Water Management District	Wolansky and Garbade
80-1291	107	Hydrologic data for Rocky Creek landfill and adjacent area, northwest Hillsborough County, Florida	Duerr and Stewart
81-56	007	Estimated water use in the Southwest Florida Water Management District and adjacent area, 1979	Duerr and Trommer
81-77	191	Ground-water levels in selected well fields in west-central Florida, September 1980	Yobbi, Mills, and Woodham
81-78	280	Summary of U.S. Geological Survey investigations and hydrologic conditions in southwest Florida for 1979	Rollins
81-541	159	Appearance and water quality of turbidity plumes created by dredging in Tampa Bay, Florida	Goodwin and Michaelis

81-630	232	Hydrogeology of well-field areas near Tampa, Florida, phase 1--development and documentation of a two-dimensional finite-difference model for simulation of steady-state ground-water flow	Hutchinson, Johnson, and Gerhart
81-1006	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, May 1981	Yobbi, Woodham, and Schiner

OPEN-FILE REPORTS

Publication number	Project number	Title	Author(s)
81-1060	007	Estimated water use in the Southwest Florida Water Management District and adjacent area, 1980	Duerr and Trommer
81-1064	316	Water-quality data from a landfill leachate treatment and disposal site, Pinellas County, Florida	Barr and Fernandez
81-1106	191	Ground-water levels in selected well fields in west-central Florida, May 1981	Yobbi and Woodham
82-90	285	Position of the saltwater-freshwater interface in the upper part of the Floridan aquifer, southwest Florida, 1979	Causseaux and Fretwell
82-96	208	Flooding in northwestern Hillsborough and southern Pasco Counties, Florida, in 1979	Murphy, Evans, and Whalen
82-101	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, September 1981	Yobbi and Schiner
82-261	191	Ground-Water levels in selected well fields and in west-central Florida, September 1981	Yobbi and Barr
82-697	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, May 1982	Barr and Schiner
82-867	191	Ground-water levels in selected well fields and in west-central Florida, May 1982	Barr
82-1011	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, September 1982	Barr and Schiner

83-31	191	Ground-water levels in selected well fields and in west-central Florida, September 1982	Barr
83-45	007	Estimated water use in southwest Florida, 1981, and summary of data for 1970, 1975, and 1977-81	Duerr and Sohm
83-547	256	Potentiometric surface of the Florida aquifer, Southwest Florida Water Management District, May 1983	Barr and Schiner

OPEN-FILE REPORTS

Publication number	Project number	Title	Author(s)
83-868	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, September 1983	Barr and Schiner
84-447	159	Changes in tidal flow, circulation, and flushing caused by dredge and fill in Tampa Bay, Florida	Goodwin
84-611	310	Hydrology of the Floridan aquifer system in west-central Florida	Ryder
84-620	256	Potentiometric surface of the Floridan aquifer, Southwest Florida Water Management District, May 1984	Barr and Schiner
84-812	256	Potentiometric surface of the Upper Floridan aquifer, Southwest Florida Water Management District, September 1984	Barr
85-482	256	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1985 (1985)	Barr
85-679	256	Potentiometric surface of the Upper Floridan aquifer in west-central Florida, September 1985 (1986)	Barr
86-55	353	Hydrologic data from small rural and developing watersheds in west-central Florida, 1981-84 (1986)	Woodham
86-409	002	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1986 (1986)	Barr and Lewelling
86-603	00202	Potentiometric surface of the Upper Floridan aquifer in west-central Florida, September 1986 (1987)	Lewelling and Belles

87-35	462	Potentiometric surface of the intermediate aquifer system, west-central Florida, September 1986 (1987)	Lewelling
87-451	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1987 (1987)	Lewelling

OPEN-FILE REPORTS

Publication number	Project number	Title	Author(s)
87-683	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, September 1987 (1987)	Lewelling
87-705	462	Potentiometric surface of the intermediate aquifer system, west-central Florida, May 1987 (1988)	Lewelling
88-303	462	Potentiometric surface of the intermediate aquifer system, west-central Florida, September 1987 (1988)	Lewelling
88-76	159	Tidal-flow, circulation, and flushing changes caused by dredge and fill in Hillsborough Bay, Florida	Goodwin
88-461	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1988 (1988)	Lewelling
88-721	462	Potentiometric surface of the intermediate aquifer, west-central Florida, May 1988 (1989)	Lewelling
88-730	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, September 1988 (1989)	Barr
89-36	462	Potentiometric surface of the intermediate aquifer, west-central Florida, September 1988 (1989)	Barr
89-393	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1989 (1989)	Barr
89-394	462	Potentiometric surface of the intermediate aquifer system, west-central Florida, May 1989 (1989)	Barr

89-395	394	Summary of hydrogeologic, water-quality, and biologic data from two small basins, south-east Hillsborough County, Florida (Approved 8-89, published 1990)	Thompson and Metz
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OPEN-FILE REPORTS

Publication number	Project number	Title	Author(s)
90-133	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, September 1989 (Approved 2-23-90, published 1990)	Knochenmus and Barr
90-134	00202	Potentiometric surface of the intermediate aquifer system, west-central Florida, September 1989 (Approved 2-23-90, published 1990)	Knochenmus and Barr
90-555	00202	Potentiometric surface of the intermediate aquifer system, west-central Florida, May 1990 (Approved 9-20-90, published 1990)	Knochenmus
90-556	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1990 (Approved 9-20-90, published 1990)	Knochenmus
91-87	00202	Potentiometric surface of the intermediate aquifer system, west-central Florida, September 1990 (Approved 1-08-91, published 1991)	Mularoni and Knochenmus
91-90	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, September 1990 (Approved 2-08-91, published 1991)	Mularoni and Knochenmus
91-523	00202	Potentiometric surface of the intermediate aquifer system, west-central Florida, May 1991 (Approved 11-12-91, published 1992, FY 92)	Mularoni
91-524	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1991 (Approved 11-12-91, published 1992, FY 92)	Mularoni
92-47	465	Chemical and isotopic composition of water in and potential for contamination of the Upper Floridan aquifer, west-central Florida	Swancar and Hutchinson

(Approved 2-07-92, published 1992, FY 92)

92-169	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, September 1991 (Approved 7-06-92, published 1992, FY 92)	Mularoni
92-170	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, September 1991 (Approved 7-06-92, published 1992, FY 92)	Mularoni

OPEN-FILE REPORTS

<u>Publication number</u>	<u>Project number</u>	<u>Title</u>	<u>Author(s)</u>
92-471	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, May 1992 (Approved 8-20-92, published 1992, FY 93)	Mularoni
92-472	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1992 (Approved 8-20-92, published 1992, FY 93)	Mularoni
93-49	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, September 1992 (Approved 2-02-93, published 4-13-93, FY 93)	Mularoni
93-53	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, September 1992 (Approved 2-02-93, published 4-13-93, FY 93)	Mularoni
93-415	461	Determination of evapotranspiration for areas of native vegetation in central Florida	Bidlake, Woodham, and Lopez
93-450	415	Underground injection of wastewater in southwest Florida (Approved 8-24-93, published 1993, FY 94)	Hutchinson Sanders, and Duerr
94-32	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1993 (Approved 12-28-93, published 1994, FY 94)	Mularoni
94-34	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, May 1993 (Approved 12-28-93, published 1994, FY 94)	Mularoni
94-528	00202	Potentiometric surface of the Upper Floridan	Metz

		aquifer, west-central Florida, May 1994	Brendle
94-529	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, May 1994	Metz Brendle
95-277	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, September 1994	Metz
95-295	888	Exploring storm surge	Tihansky Duerr

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Publi- cation number	Project number	Title	Author(s)
95-303	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, September 1994	Metz
95-704	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1995	Metz Stelman
95-707	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, May 1995	Metz Stelman
96-129	525	Comparison of estimated and observed stormwater runoff for fifteen watersheds in west-central Florida, using five common design techniques	Trommer Loper Hammett Bowman
96-135	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, September 1995	Metz Mattie Swenson
96-136	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, September 1995	Metz Swenson Stelman
96-226	533	Determination of roughness coefficients for streams in west-central Florida	Gillen
96-480	549	Trends in chloride, sulfate, and dissolved-solids concentrations in water from selected public-supply and monitor wells in the Tampa Bay area, Florida	Yobbi Corral Torres
96-484	568	Effectiveness of a stormwater collection and detention system for reducing constituent loads from bridge runoff in Finellas County, Florida	Stoker
96-594	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1996	Mattie Metz Torres

96-595	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, May 1996	Mattie Metz Torres
96-634	555	Hydrologic description of the Braden River watershed, west-central Florida	DelCharco Lewelling
97-178	00202	Potentiometric surface of the intermediate aquifer system, west-central Florida, September 1996	Metz Mattie Corral

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97-179	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, September 1996	Metz Mattie Corral
97-416A	584	Water transport in lower Hillsborough Bay, Florida, 1995-96	Levesque Hammett
97-642	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, May 1997	Metz Mattie Torres Corral
97-643	00202	Potentiometric surface of the Upper Floridan aquifer west-central Florida, May 1997	Metz Mattie Torres Corral
98-099	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, September 1997	Metz Mattie Torres Corral
98-100	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, September 1997	Metz Mattie Torres Corral
99-58	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, May 1998	Broska Mattie Torres Corral
99-59	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, May 1998	Broska Mattie Torres Corral
99-185	587	Hydrogeology and analysis of aquifer characteristics in west-central Pinellas County, Florida	Broska Barnette
99-224	00202	Potentiometric surfaces of the intermediate aquifer system, west-central Florida, September 1998	Torres Broska Corral
99-225	00202	Potentiometric surface of the Upper Floridan aquifer, west-central Florida, September 1998	Torres Broska Corral

PROFESSIONAL PAPERS

Publi- cation number	Project number	Title	Author(s)
1207	264	Simulated effects of ground-water development on the potentiometric surface of the Floridan aquifer, west-central Florida	Wilson and Gerhart
1403-F	310	Hydrology of the Floridan aquifer system in west-central Florida (1986)	Ryder

WATER-SUPPLY PAPERS

Publi- cation number	Project number	Title	Author(s)
2183	152 and 198	Hydrogeology and results of injection tests at waste-injection sites in Pinellas County, Florida	Hickey
2189	264	Estimated effects of projected ground-water withdrawals on movement of the saltwater front in the Floridan aquifer, 1976-2000, west-central Florida	Wilson
2192	159	Appearance and water quality of turbidity plumes produced by dredging in Tampa Bay, Florida	Goodwin and Michaelis
2281	374	Subsurface injection of liquid waste with emphasis on injection practices in Florida (1986)	Hickey and Vecchioli
2282	159	Tidal-flow, circulation, and flushing changes caused by dredge and fill in Tampa Bay, Florida (1987)	Goodwin
2376	159	Tidal-flow, circulation, and flushing changes caused by dredge and fill in Hillsborough Bay, Florida	Goodwin
2409	465	Chemical and isotopic composition of water in and potential for contamination of the Upper Floridan aquifer, west-central Florida, 1986-89 (Approved 8-19-91, published 199_)	Swancar and Hutchinson
2430	461	Determination of evapotranspiration for areas of native vegetation in central Florida (Approved 2-17-93, published 199_, FY 9_)	Bidlake, Woodham, and Lopez
2452	506	Near-surface water balance of an undeveloped upland site in west-central Florida	Bidlake Boetcher

2472	506.2	Simulation of the soil water balance of an undeveloped prairie in west-central Florida	Bidlake Boetcher
2475	508	Descriptions of anisotropy and heterogeneity and their effect on ground-water flow and areas of contribution to public supply wells in a karst carbonate aquifer system	Knochenmus Robinson

FLORIDA BUREAU OF GEOLOGY PUBLICATIONS

Publi- cation number	Project number	Title	Author(s)
MS 98	075	Areas of recharge to the Floridan aquifer in Florida	Stewart
MS 110	075	Sinkhole type, development, and distribution in Florida	Sinclair and Stewart
MS 119	002	Potentiometric surface of the Upper Floridan aquifer in Florida, May 1985 (1988)	Barr
MS 138	002	Potentiometric surface of the Upper Floridan aquifer in Florida, May 1990 (Approved 5-05-92, published 6-14-93)	Barr

JOURNAL, WRD BULLETIN, AND MISCELLANEOUS ARTICLES

Publi- cation number	Project number	Title	Author(s)
Journal of Hy- drology, Maxey Memorial Volume	264	Simulated effects of ground-water development on potentiometric surface of the Florida aquifer, west-central Florida	Wilson and Gerhart
Ground Water Journal	285	Resistivity study of coastal karst terrain, Florida	Fretwell and Stewart
Ground Water Journal	343	Subsurface injection of treated sewage into a saline-water aquifer at St. Petersburg, Florida--aquifer pressure buildup	Hickey
Ground Water Journal	343	Subsurface injection of treated sewage into a saline-water aquifer at St. Petersburg, Florida--water-quality changes and potential for recovery of injected sewage	Hickey and Ehrlich
Florida	308	Sinkholes in Florida	Beck and

Sinkhole Research Institute pamphlet			Sinclair
Ground Water Journal	154	Field testing the hypothesis of Darcian flow through a carbonate aquifer	Hickey
State of Florida	159	Evaluation of changes in circulation, spring tide, and hurricane surge characteristics caused by Sunshine Skyway pier protection system	Goodwin and Ross
Water Resources Research	154	Circular convection during subsurface injection of liquid waste, St. Petersburg, Florida (v. 25, no. 7, p. 1481-1494)	Hickey
Proceed- ings, Oilfield Brines Symp.	154	Convective circulation during subsurface injection of liquid waste	Hickey

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<u>Publi- cation number</u>	<u>Project number</u>	<u>Title</u>	<u>Author(s)</u>
WSP 2340	415	Model analysis of hydraulic properties of a leaky aquifer system	Hutchinson and Trommer
Book and chap.	377	Tidal rivers of Florida	McPherson Hammett
Ground Water	154	An approach to the field study of hydraulic gradients in variable-salinity ground water (v. 27, no. 4, p. 531-539)	Hickey
Proceed- ings NOAA Semina	159	Circulation in Tampa Bay and Sarasota Bay, Florida	Goodwin Munson
Proc.	482	Wind-generated wave resuspension of sediment	Schoellhamer

ASCE		in Old Tampa Bay, Florida (Approved 3-01-91, published 1991)	and Levesque
Proc. BASIS2 Sympos.	509	Discharge measurement techniques for nutrient load computations in tidally dominated rivers (Approved 4-24-91, published 1992)	Woodham and Stoker
Ground Water	154	A generalized Ghyben-Herzberg relation and the direction of vertical flow in ground water with vertical variations in density (Approved 4-24-91, published 199_)	Hickey
Proc. BASIS2 Sympos.	482	Tributary storm runoff and vessel-generated sediment resuspension at the Port of St. Petersburg, Florida (Approved 6-10-91, published 1992)	Schoellhamer
Proc. NWWA	415	Simulation of subsurface injection in south-west Florida (Approved 11-27-91, published 199_)	Hutchinson, Sanders, and Duerr
Proc. ASCE	482	Summary of noncohesive sediment transport processes at the bed/water column interface (Approved 3-27-92, published 199_)	Schoellhamer

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Journal of Hydrology	481	Comparison of energy-budget evaporation losses from two morphometrically different Florida seepage lakes (Approved 8-28-92, published 199_)	Sacks, Lee, and Radell
Marine Geology	482	Biological interference of optical back-scatterance sensors in Tampa Bay, Florida (Approved 7-13-92, published 1993, FY 9_)	Schoellhamer
Springer Verlag	482	Noncohesive sediment-transport processes at the bed/water column interface (Approved 9-14-92, published 199_, FY 9_)	Schoellhamer
Estuar. Coast. & Shelf Sci.	497	Causes of light attenuation in Tampa Bay and Charlotte Harbor, southwestern Florida (Approved 11-12-92, published 199_, FY 9_)	McPherson and Miller
Estuar. Coast. &	482	Sediment resuspension mechanisms in Old Tampa Bay, Florida (Approved 3-04-93, published	Schoellhamer

Shelf Sci.		199_, FY 9_)	
Limnol. & Ocean.	497	Modeling photosynthetically active radiation in water of Tampa Bay, Florida, with emphasis on seagrass requirements (Approved 3-23-93, published 199_, FY 9_)	Miller and McPherson
Herman	531	Controls on high sulfate concentrations in the Upper Floridan aquifer in southwest Florida, published 1995 : Water Resources Research, vol. 31, p. 2541-1551	Sacks, and Kauffman

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006		Flood insurance study, city of Mulberry, Polk County, Florida	Murphy

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ASCE Proc.	007	Estimating irrigation water use, southwest Florida	Duerr
ASCE Proc.	232	Ground-water degradation in west-central Florida	Stewart
GSA mtg.	330	Origins and distribution of saline ground waters in coastal southwest Florida	Steinkampf
ASCE Proc.	343	Subsurface injection into saline ground water, St. Petersburg, Florida	Hickey and Ehrlich
Pres. at ASCE mtg.	154	Monitoring subsurface injection of liquid wastes in west-central Florida	Hickey
Pres. at Int'l. Symp. on Urban Hydrol.	219	Regression analysis estimates of urban runoff loads in the Tampa Bay area, Florida	Lopez and Giovannelli
Pres. GSA 1985	374	Subsurface injection of liquid waste in Florida (Approved 4-11-85)	Hickey

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AGU Proc. 1986 Spring mtg.	154	Saltwater circulation during subsurface injection (Approved 2-12-86)	Hickey
Symp. on Oil Field Brines	154	Convective circulation during subsurface injection of liquid waste (Approved 4-02-87, published 1987)	Hickey
Conf. on Rivers in Fla.	377	River hydrology and the ecology of Florida's rivers (Approved 4-27-87, published 1987)	McPherson

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Proceed- ings, SEGSA mtg., April 1988	154	Limitations of the equivalent freshwater head approach to the field study of variable- salinity ground water (Approved 11-03-87, published 1988)	Hickey
Proceed- ings AGU mtg., May 1988	154	An approach to the field study of hydraulic gradients in variable-salinity ground water (Approved 10-28-87, published 1988 EOS, v. 69, no. 16, p. 350)	Hickey
Proceed- ings NWWA	377	Environmental tritium in the Upper Floridan aquifer as an indicator of contamination and recharge rate (Approved 5-16-89, published 1990)	Hutchinson and Swancar
Proceed- ings GSA annual meeting	154	Testing the hypothesis of Darcian flow through a fractured dolomite aquifer (Approved 6-17-89, published 1990)	Hickey
Proc.	154	Flow of variable-salinity ground water in the	Hickey

SEGS 1990 mtg.		middle confining unit of the Floridan aquifer system, west-central Florida (Approved 12-07-89, published 1990)	
Proc. SEGS 1990 mtg.	465	Potential for contamination of the Upper Floridan aquifer in west-central Florida (Approved 12-07-89, published 1990)	Swancar
Proc. SEGS 1990 mtg.	485	The potential for development of the brackish-water resources of southern Pinellas County, Florida (Approved 12-07-89, published 1990)	Knochenmus
Proc. AGU 1990 Spring mtg.	154	Characterizing secondary porosity of carbonate rocks using borehole data (Approved 2-28-90, published 1990)	Hickey and Safko
Proc. BASIS 2 Tampa	482	Tributary storm runoff and vessel-generated sediment resuspension at the port of St. Petersburg, Florida (Approved 11-02-90, published 1991)	Schoellhamer

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Proc. BASIS 2	497	Light attenuation and availability in Tampa Bay (Approved 11-02-90, published 1991)	Levesque, Schoellhamer, McPherson, and Miller
Proc. BASIS 2	509	Discharge measurement techniques for nutrient load computations near the mouth of the Alafia River, Florida (Approved 11-02-90, published 1991)	Woodham and Stoker
Proc. IAH	496	Ground-water tracer tests in west-central Florida (Approved 3-14-91, published 199_)	Robinson and Hutchinson
Proc. NWWA Dallas	415	Animated model results of subsurface injection in southwest Florida	Hutchinson, Sanders, and Duer
Pres. Storm- water Res.Wksp.	473	U.S. Geological Survey stormwater related programs in west-central Florida	Lewelling
Fla.	497	Modeling light available to seagrass in Tampa	Miller and

Sci.		Bay, Florida (Approved 11-21-92)	McPherson
GSA Proc.	496	Simulation of a tracer test in a doubly porous aquifer with an advective flow particle tracking computer program (Approved 11-?-92)	Robinson
Proc. Flow in Florida	888	Hydrogeology of Florida	Aucott
Proc. Storm- water Res. Conf.	568	Evaluating the effectiveness of the Bayside Bridge stormwater collection system and detention basins (Approved 6-15-93)	Lee, Boetcher, and Fritz
	461	Alternative techniques for estimating evapotranspiration from undeveloped uplands in a humid subtropical climate	Bidlake and Boetcher
EOS	531	Use of ⁸⁷ Sr/ ⁸⁶ Sr to delineate the source of high-sulfate ground water near the Florida coast (AGU Proceedings, 1993, p. 269)	Sacks and Bullen, T.D.

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Proc. AGU 1994 Spring mtg.	571	Rapid ground-water movement and transport of nitrate within a karst aquifer system along the coast of west-central Florida (Approved 3-02-94)	Tihansky and Trommer

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243		Summary of water resources, problems, and proposed investigations in the Manasota Basin, Florida	Joyner
00303		Ground-water flow and quality near the senior officers' housing area, MacDill Air Force Base, Florida (Approved 7-26-90)	Fernandez
510		Quality of shallow ground water in a small area of the golf course at MacDill Air Force Base, Florida,	Fernandez, Bradley,

	with emphasis on nitrate contamination (Approved 10-16-92, published 1993, FY 93)	and Spears
540	Assessment of trace-element contamination of ground water and soil at the small-arms firing range, MacDill Air Force Base, Florida (Approved 11-10-92, published 1993, FY 93)	Fernandez
00304	Water table in the surficial aquifer and construction and water-level data for monitoring wells at the hydrazine neutralization facility, MacDill Air Force Base, Florida, June 1992 (Approved 1-05-93, published 1993, FY 93)	Broska and Hutchinson
51001	Reconnaissance of the quality of shallow ground water at the fire-training facility, MacDill Air Force Base, Florida (Approved 5-13-93, published 1993, FY 93)	Fernandez