

APT ANALYSIS

SITE: Intracoastal Utilities

Section Hanson Grant Township 38 S Range 41 E

756900  
1026250

REPORT: Ground Water Investigation - Intracoastal Util. Corp, Port Salerno, Feb 1978  
and Memorandum: Evaluation of Pumping 600,000 gpd. from Intracoastal Wells at Yacht & Country Club  
by Geraghty & Miller

GEOLOGIC DATA: pg.     , Appendix A

WELL NUMBER OF WELL DESCRIBED: Deep Observation Well

DEPTH (LSD)	LITHOLOGY
0-7	sand, fine, gray, with silt
7-20	sand, brown, fine, dk brown silt
20-31	sand, gray to tan, fine to medium
31-38	sand, dk brown to black, very fine, organic, black silt, clay
38-46	sand, green gray to tan, fine to med; shells 10%, clayey
46-59	sand, as above with clay
59-63	shells, tan to gray, whole & fragm., sand, fine, gray
63-70	silt, gray, sandy; clay, gray, sand, fine
70-76	clay, gray, silt, fine sand
76-87	sandstone, gray; and limestone stratified, with clay
87-97	shells, sandstone, limestone, & clay
97-107	shells, tan to gray; coquina, gray, fine to med sand & sandstone

Producing zone interval: 97-? (lsd)      (msl)

Aquifer name:     

Static Water Level at the site is approximately      ft. msl.

WELL DESCRIPTIONS:

Well	Diam. (in)	Total Depth	Cased Depth	Scr/Open Intervl	Slot Size	Radius
PW-2	8	115	106	106-115	0H	0
OBS	2	107	105	105-107	0H	610

INFLUENCING FACTORS:

2 large irrigation wells accidentally turned on for 2 hours during the test. (22 hours into test.)

Rain - 4 1/2 hours into test - rained steady for 10 hours

WL in deep well rose .3'

APT: pg. \_\_\_\_\_

Started: 11:23 Am Feb 8, 1978

Duration: 72 hours

Discharge: 450 gpm

Recovery: 30 min

Comments:

1) PW1 shut off 20 min. before start of test and stayed off during test

2) Excess discharge piped to ditch > 1000' from well

3) \_\_\_\_\_

CONSULTANT'S ANALYSIS: pg. pg 7 (Memorandum)

Method: Cooper

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )
<u>OBS</u>	<u>161,000</u>	<u><math>2.7 \times 10^{-3}</math></u>	<u><math>6.8 \times 10^{-2} \text{ gpd/ft}^3</math></u>
_____	_____	_____	_____
_____	_____	_____	_____

Comments: Partial Penetration effects included in interpretation.

Method: \_\_\_\_\_

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: \_\_\_\_\_

Method: \_\_\_\_\_

Results:

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: \_\_\_\_\_

REANALYSIS:

Method: Neuman  
Results: \_\_\_\_\_

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )
<u>005</u>	<u>131,378</u>	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: \_\_\_\_\_

Method: \_\_\_\_\_  
Results: \_\_\_\_\_

Well	Transmissivity (GPD/FT)	S or Sy	Leakance ( )
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: \_\_\_\_\_

RECOMMENDED VALUES:

Transmissivity (GPD/FT)	Specific Yield or Storage	Leakance
_____	_____	_____
_____	_____	_____

REFERENCES: