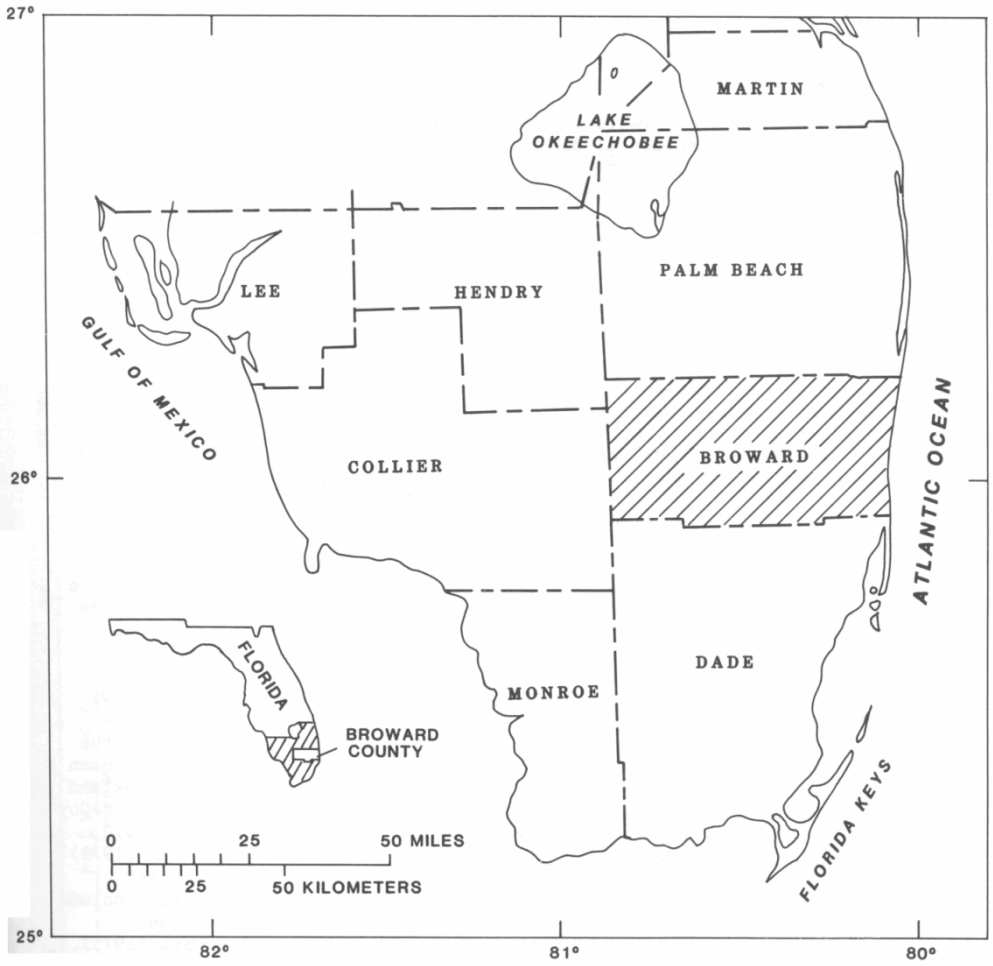
Hydrogeology, Aquifer Characteristics, and Ground-Water Flow of the Surficial Aquifer System Broward County, Florida

U.S. GEOLOGICAL SURVEY
Water-Resources Investigations Report 87-4034

Prepared in cooperation with the
SOUTH FLORIDA WATER MANAGEMENT DISTRICT



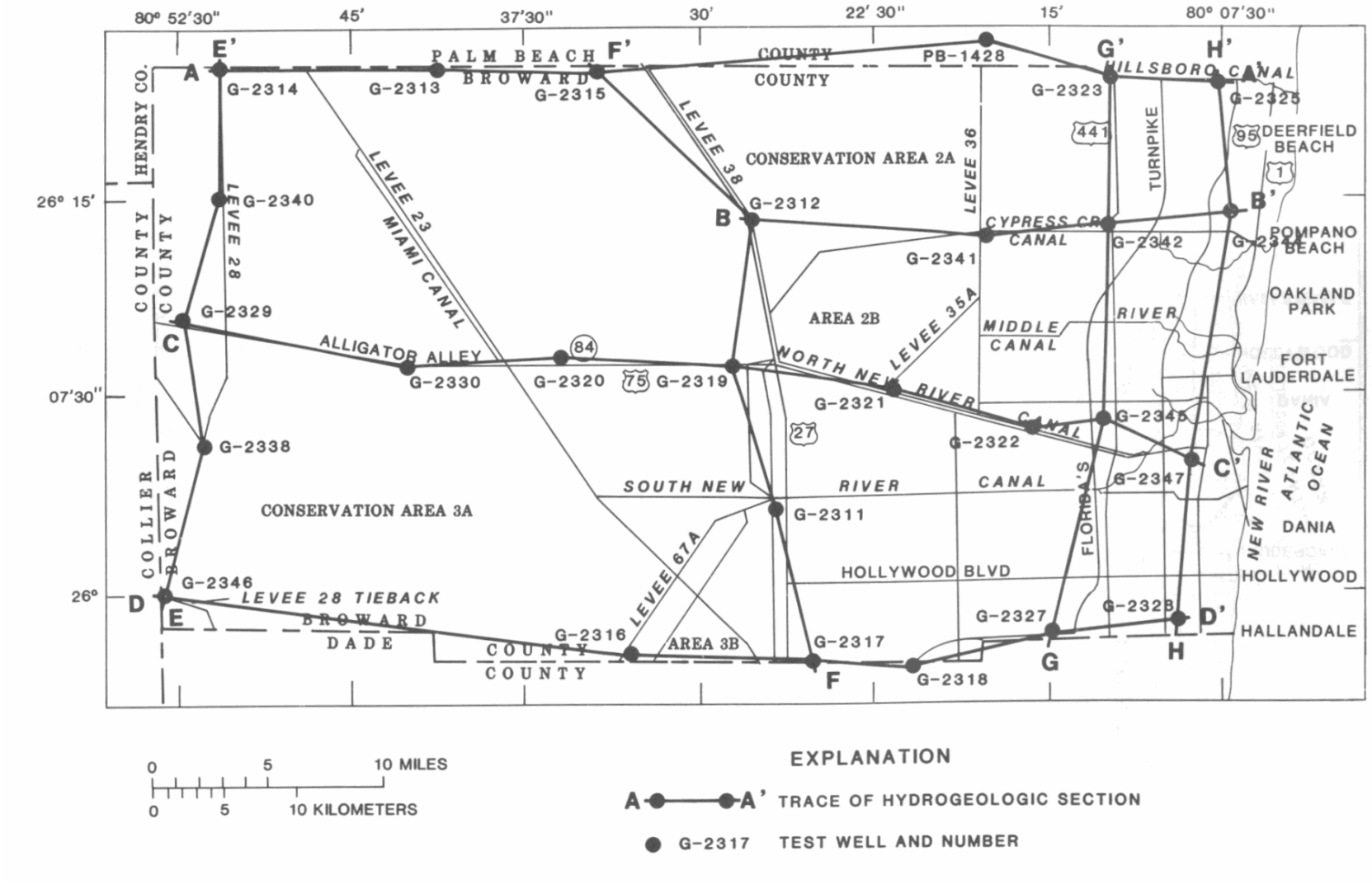
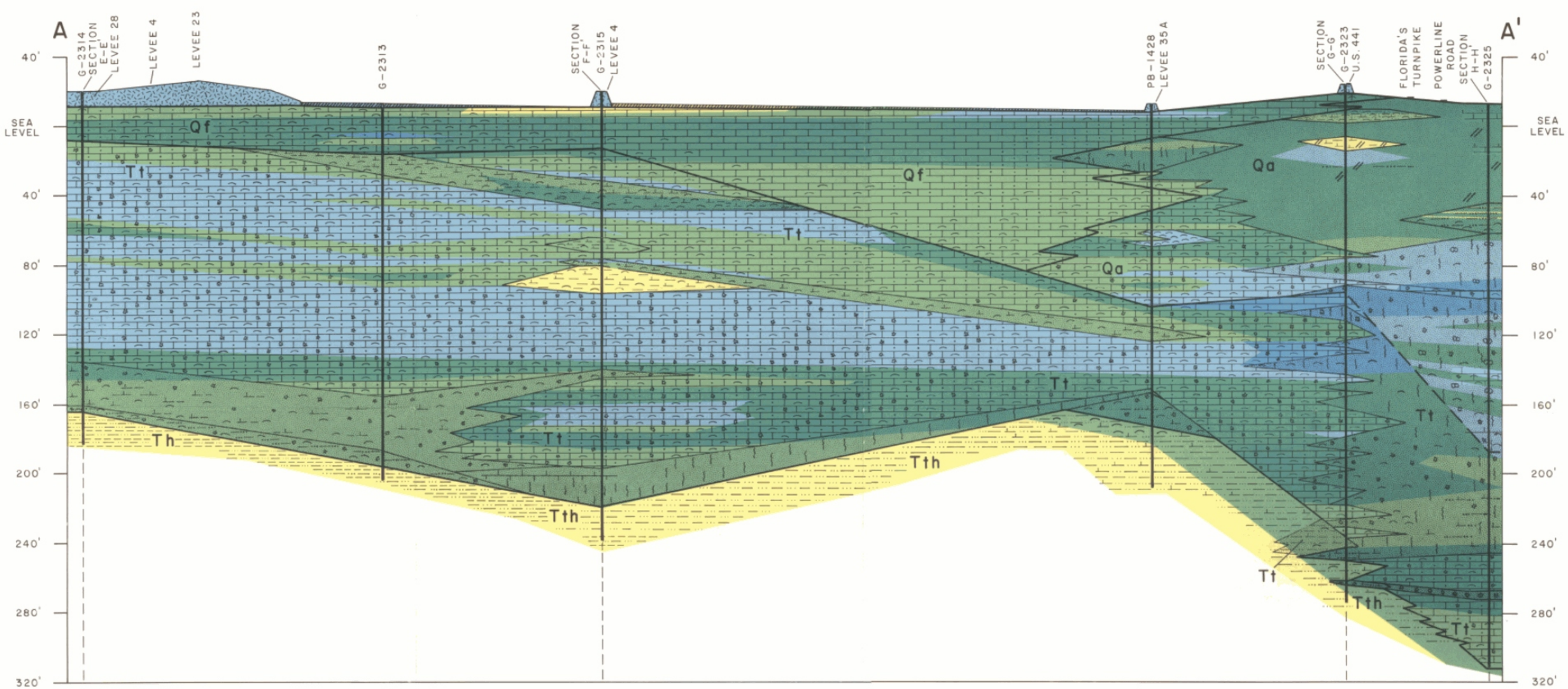


Figure 3. Location of test drilling sites and hydrogeologic sections (from Causaras, 1985).
Well numbers and site names are listed in table 1



EXPLANATION

Fill
Peat or muck
Sand
Sandstone
Detrital carbonate sand
Concretions
Shell
Silt
Clay
Claystone or siltstone
Micrite (Limemud)
Limestone
Oolitic limestone
Coralline limestone or biolithite

GEOLOGIC FORMATIONS

QUATERNARY	Qp	Pamlico Sand
	Qm	Miami Oolite
	Qa	Anastasia Formation
	Qk	Key Largo Limestone
	Qf	Fort Thompson Formation
TERTIARY	Tt	Tamiami Formation
	Th	Hawthorn Formation
	Tth	Tamiami Formation and Hawthorn Formation undifferentiated

FORMATION BOUNDARY

G-2314 TEST WELL AND NUMBER

RANGE OF HYDRAULIC CONDUCTIVITY, IN FEET PER DAY

- Greater than or equal to 1,000
- 100 to 1,000
- 10 to 100
- 0.1 to 10
- Less than or equal to 0.1

0 5 10 MILES
0 5 10 KILOMETERS
VERTICAL SCALE GREATLY EXAGGERATED

LINE OF SECTION ON FIGURE 3

Figure 15.--Hydrogeologic section A-A' showing ranges of hydraulic conductivity.

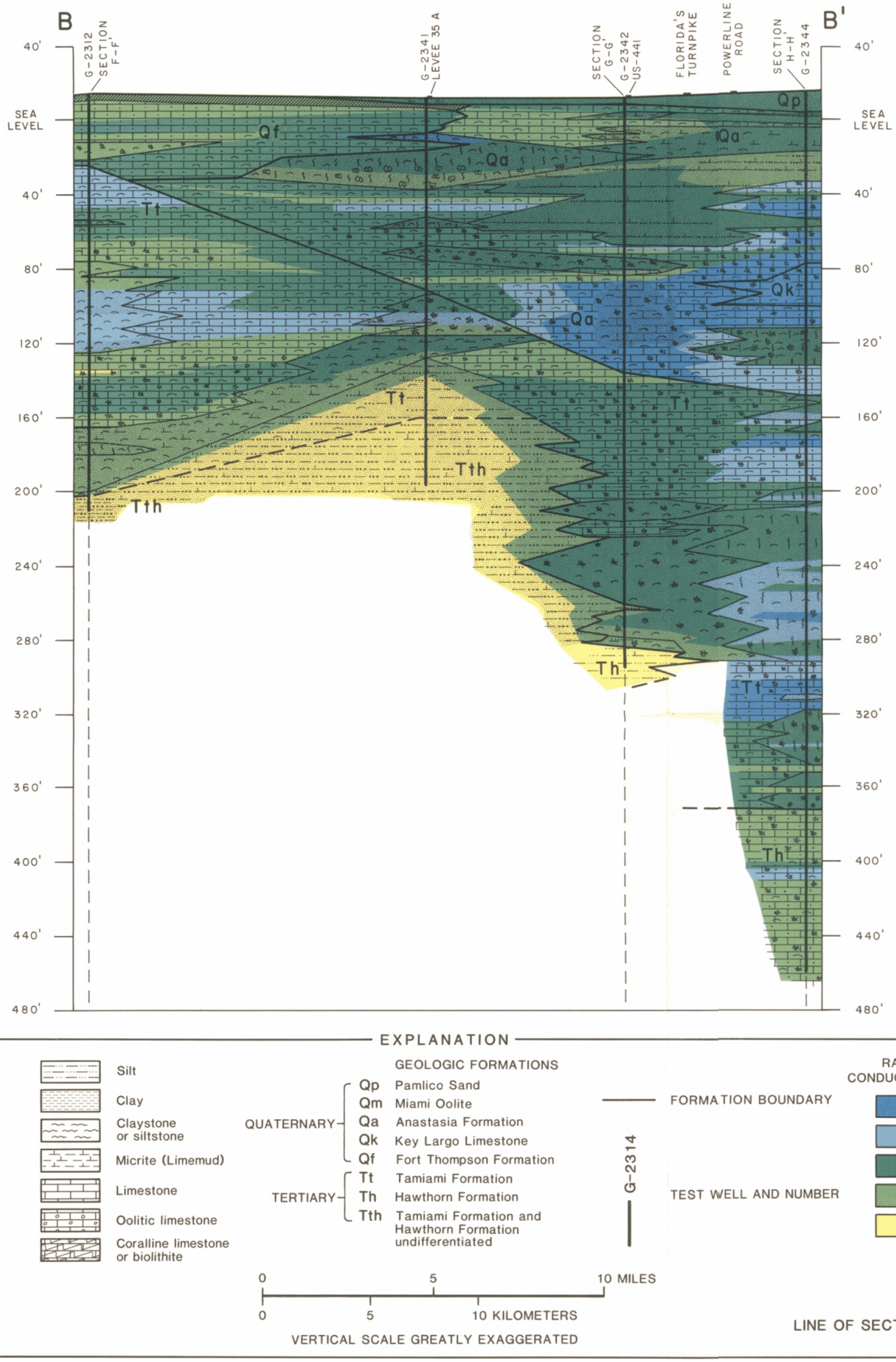


Figure 16.--Hydrogeologic section B-B' showing ranges of hydraulic conductivity.

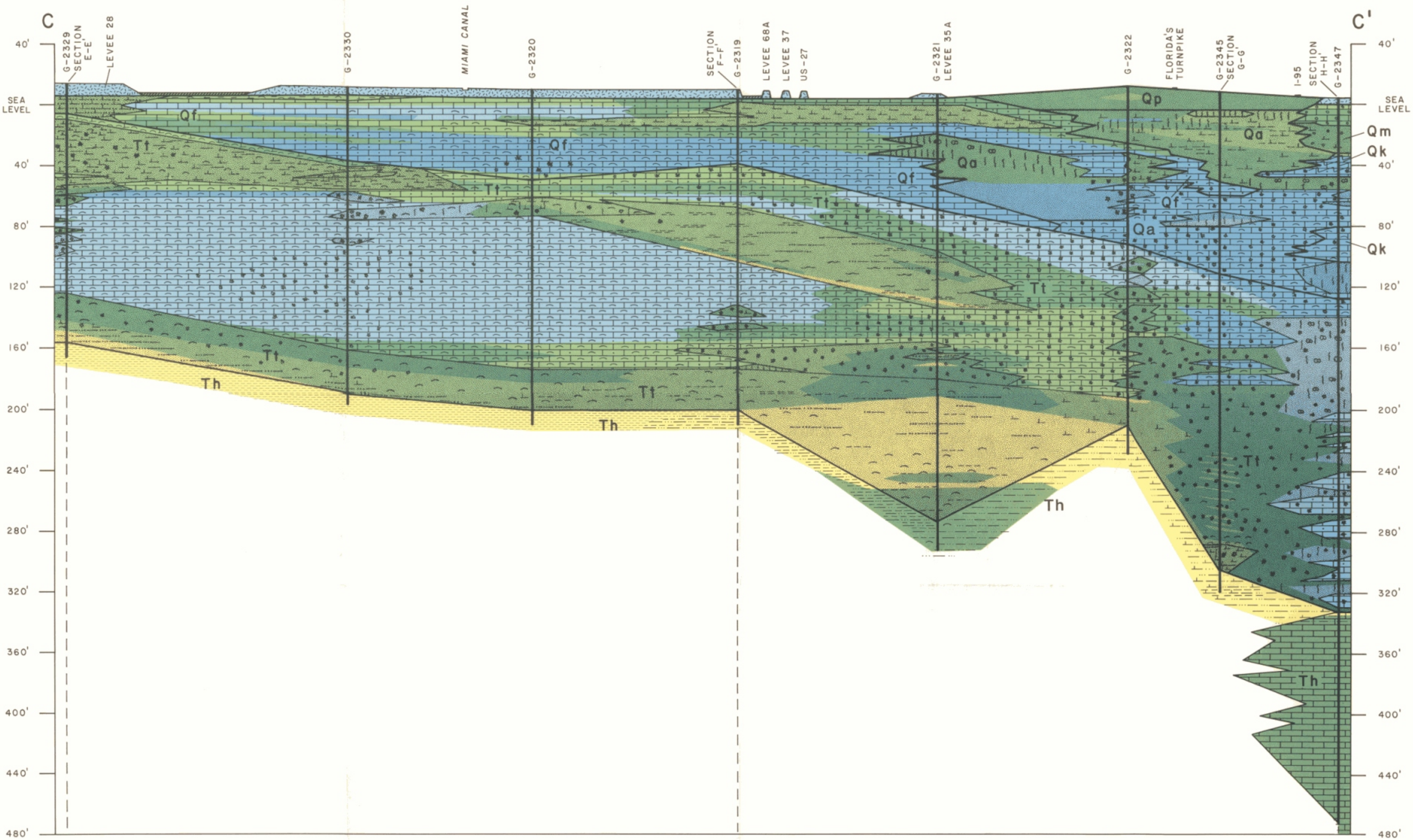
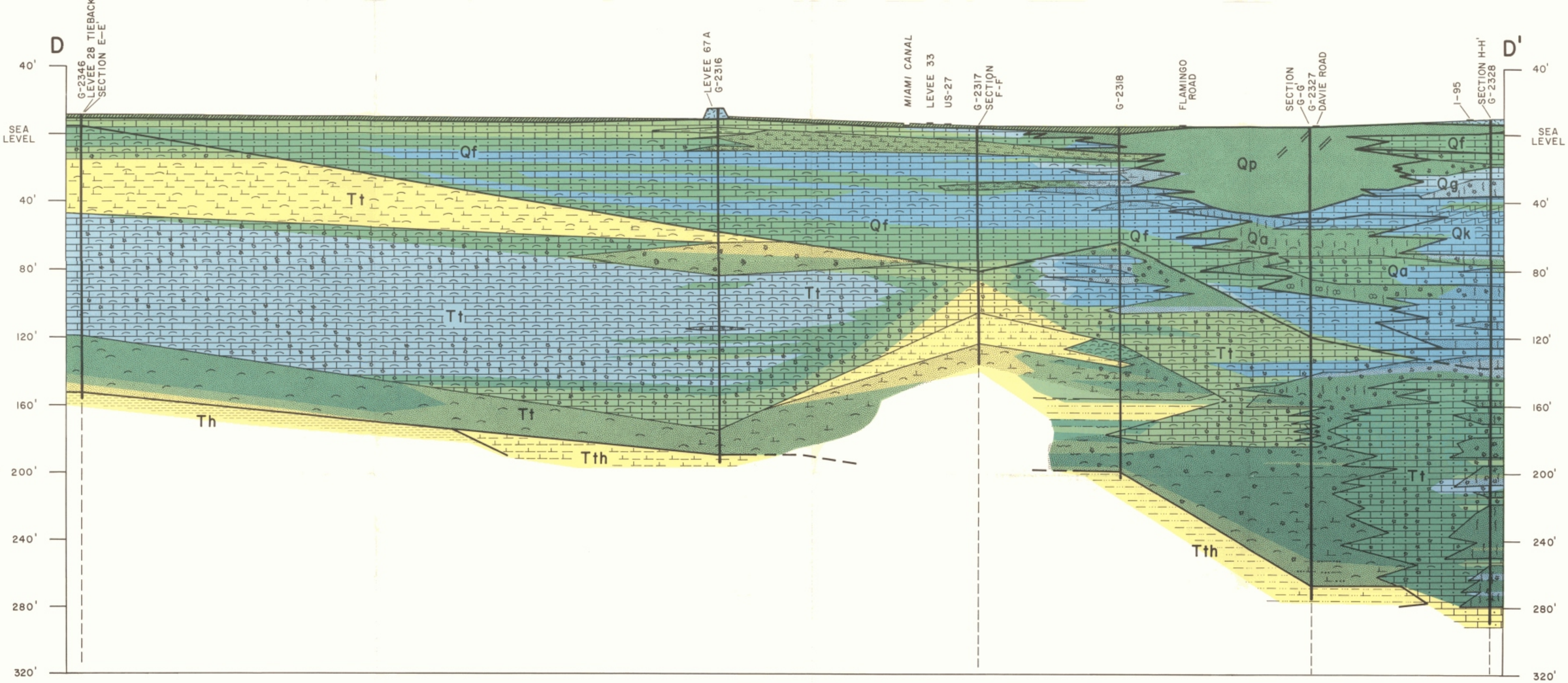


Figure 17.--Hydrogeologic section C-C' showing ranges of hydraulic conductivity.



EXPLANATION

Fill	Silt
Peat or muck	Clay
Sand	Claystone or siltstone
Sandstone	Micrite (Limemud)
Detrital carbonate sand	Limestone
Concretions	Oolitic limestone
Shell	Coralline limestone or biolithite

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LINE OF SECTION ON FIGURE 3

Figure 18.--Hydrogeologic section D-D' showing ranges of hydraulic conductivity.

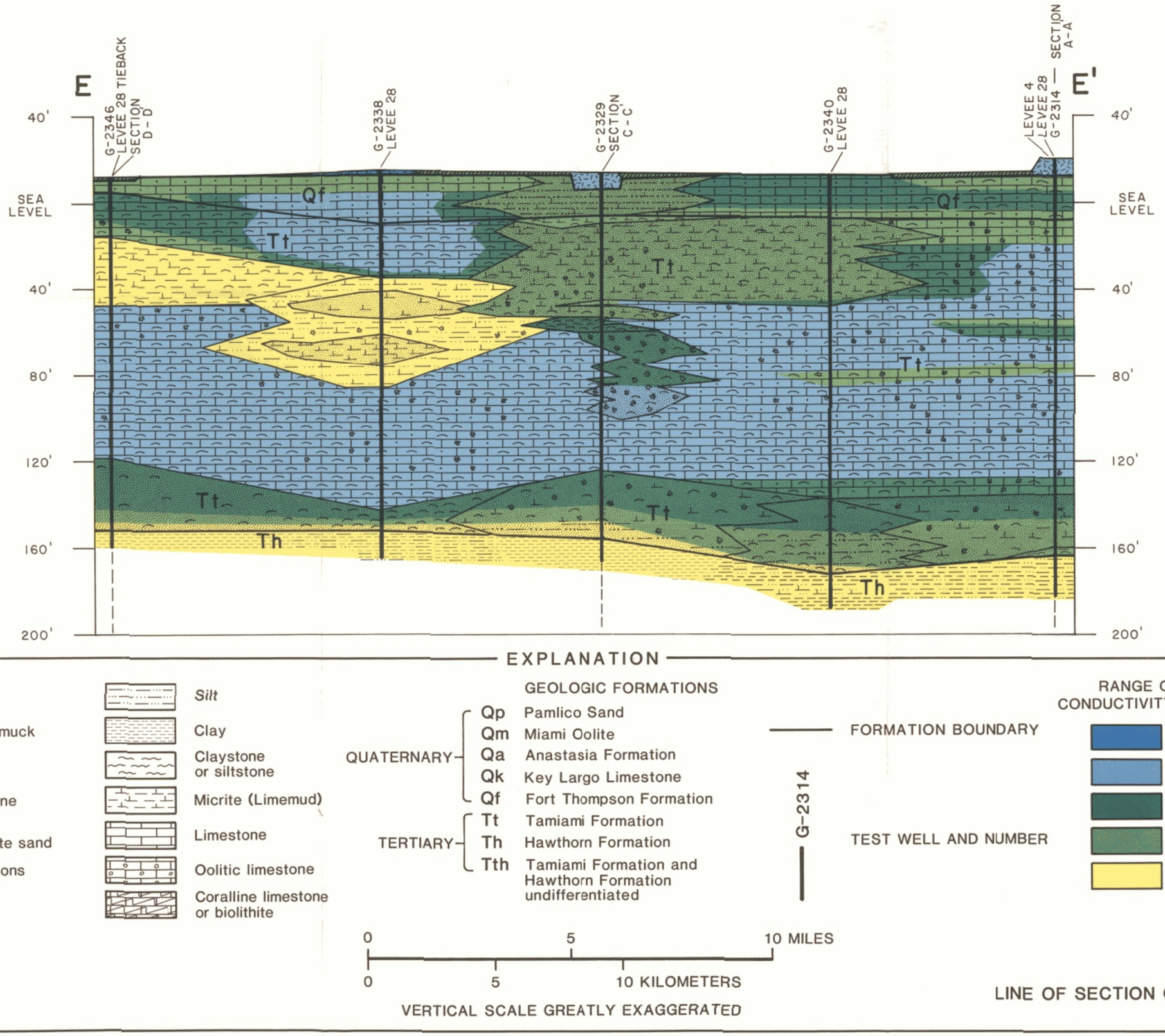


Figure 19.--Hydrogeologic section E-E' showing ranges of hydraulic conductivity.

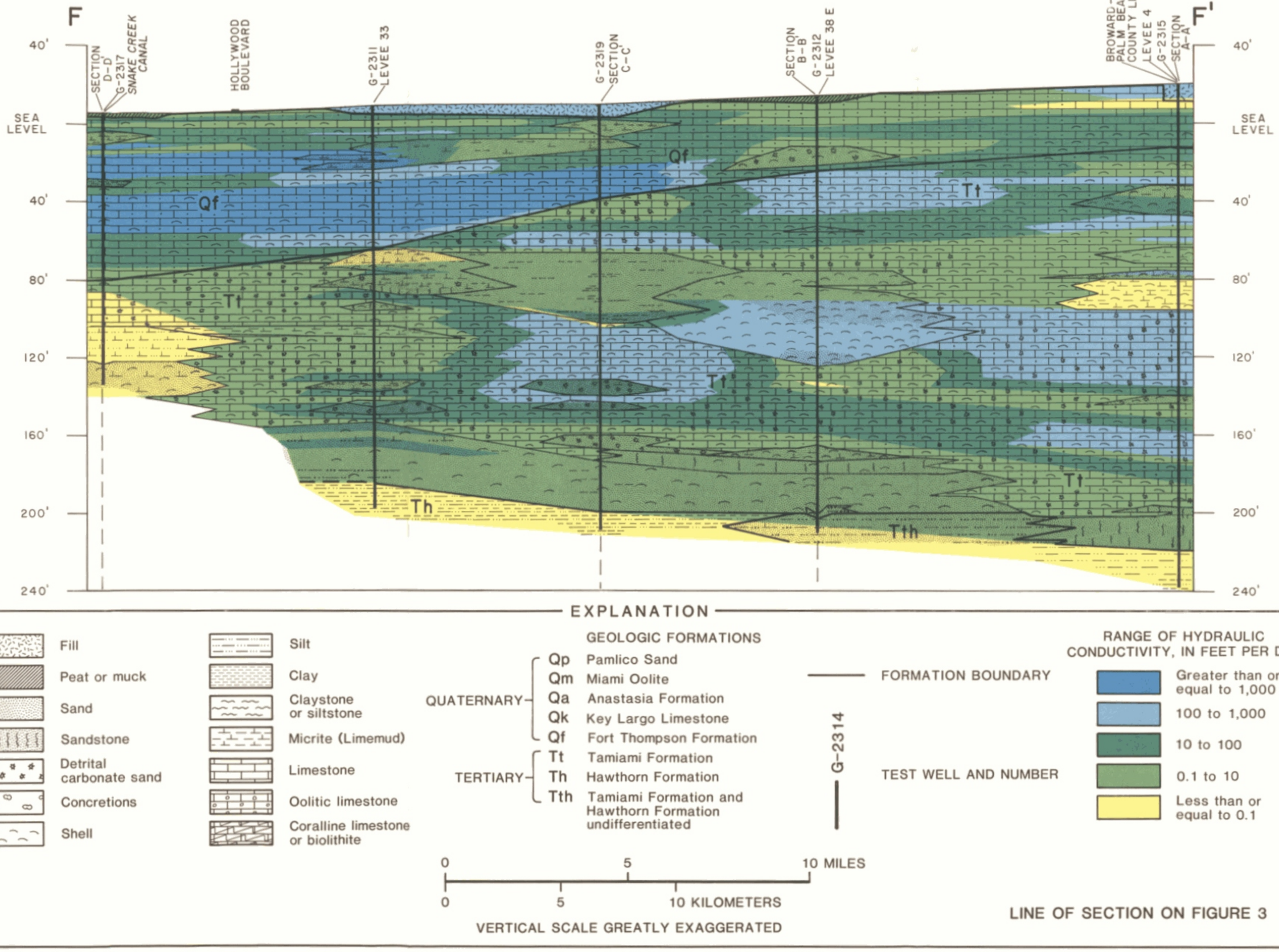
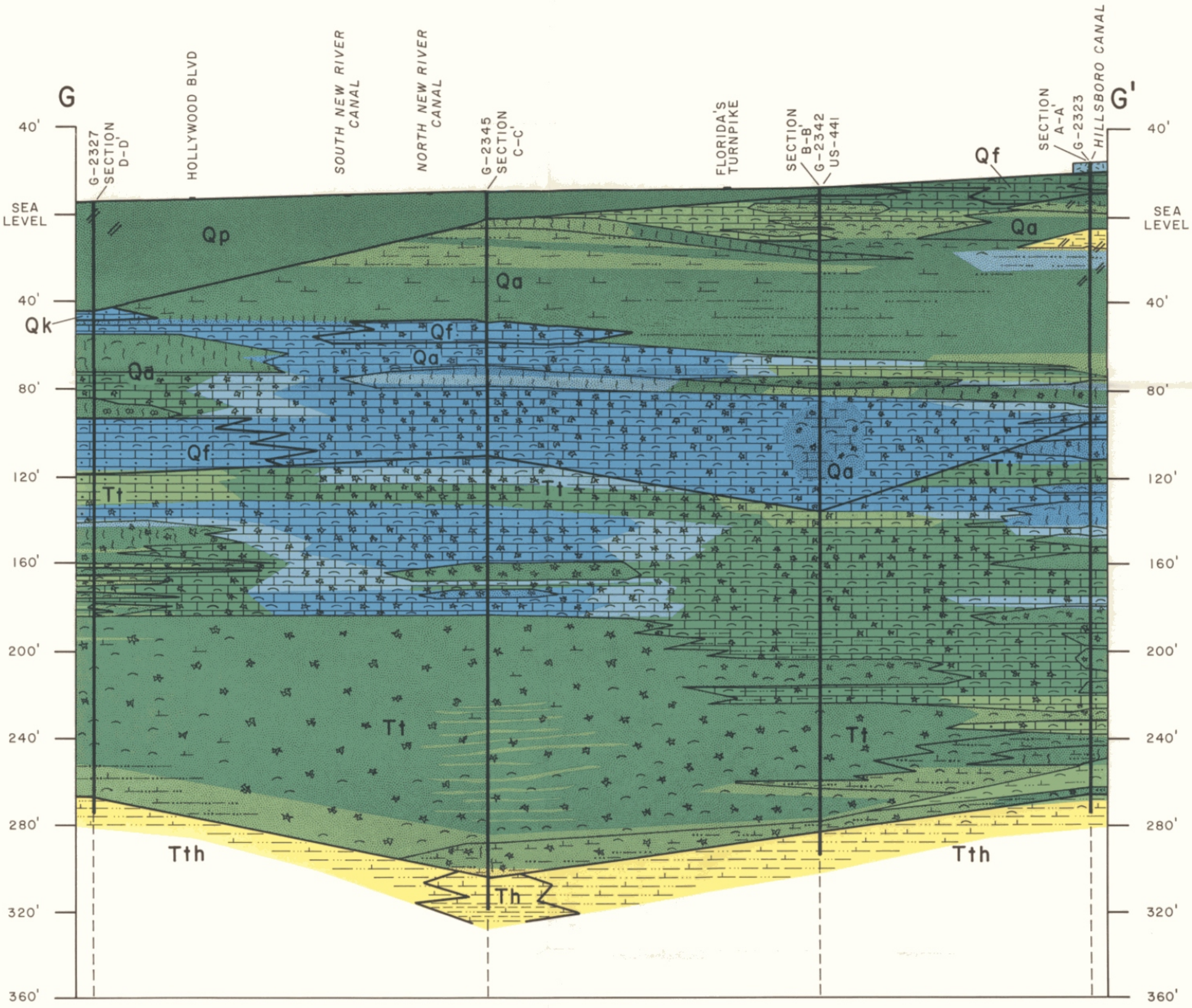


Figure 20.--Hydrogeologic section F-F' showing ranges of hydraulic conductivity.



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Detrital carbonate sand
Concretions
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VERTICAL SCALE GREATLY EXAGGERATED

LINE OF SECTION ON FIGURE 3

Figure 21.--Hydrogeologic section G-G' showing ranges of hydraulic conductivity.

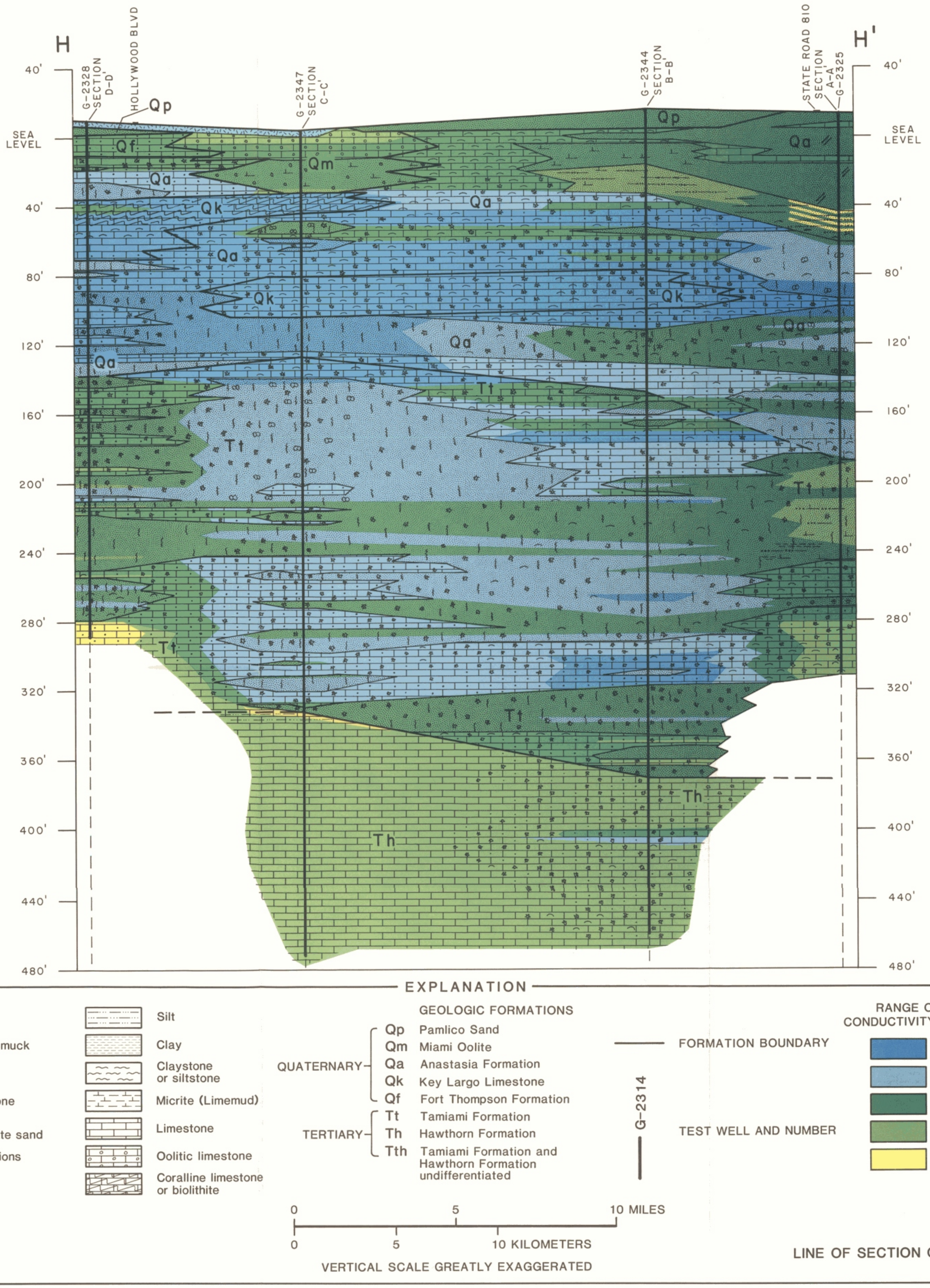

Figure 22.--Hydrogeologic section H-H' showing ranges of hydraulic conductivity.

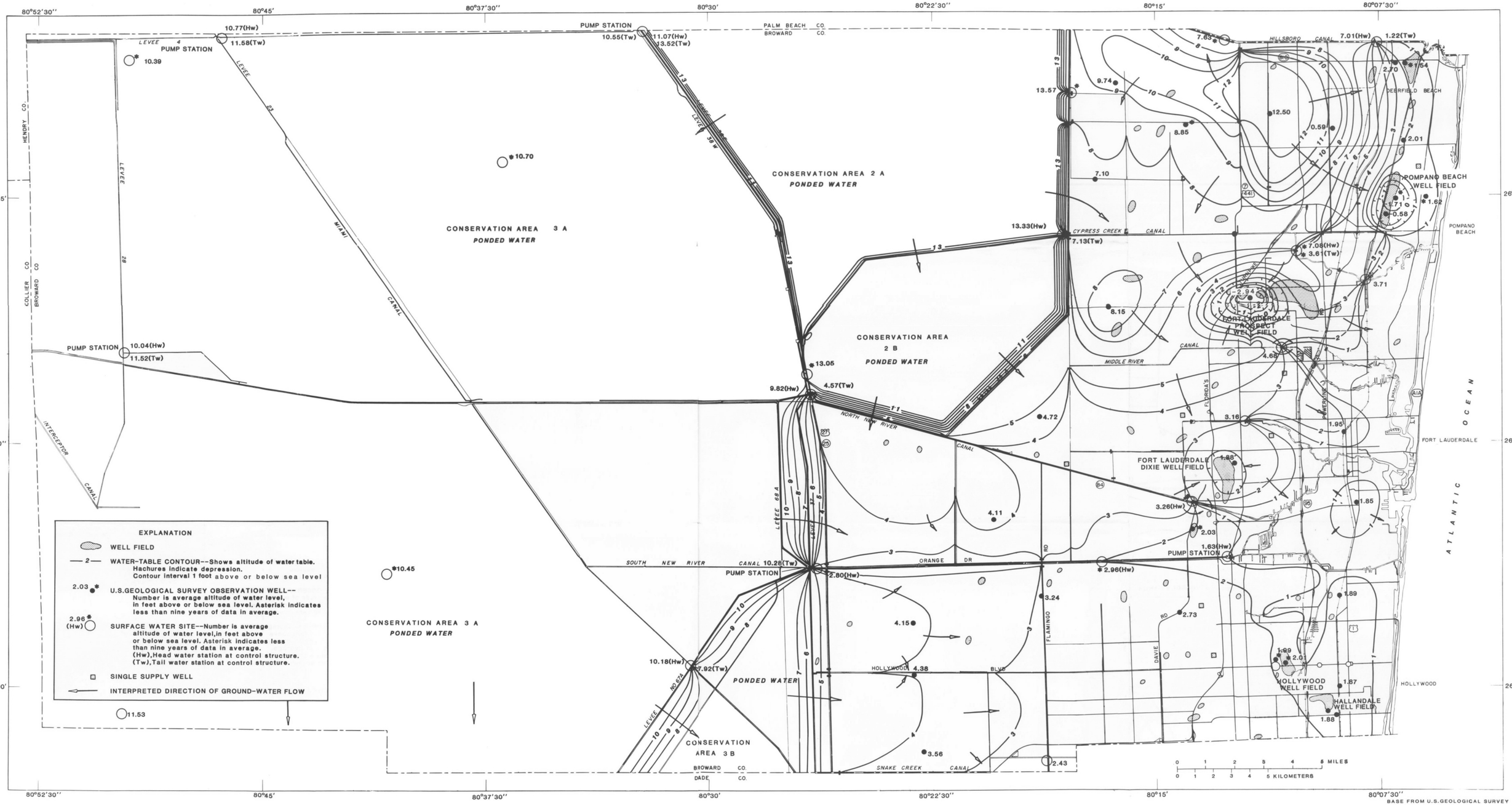

Figure 40.--Contours of average water table altitude in Broward County for September (wet season) 1974-82 and interpreted directions of ground-water movement.

BASE FROM U.S.GEOLOGICAL SURVEY
1:24,000 QUADRANGLE

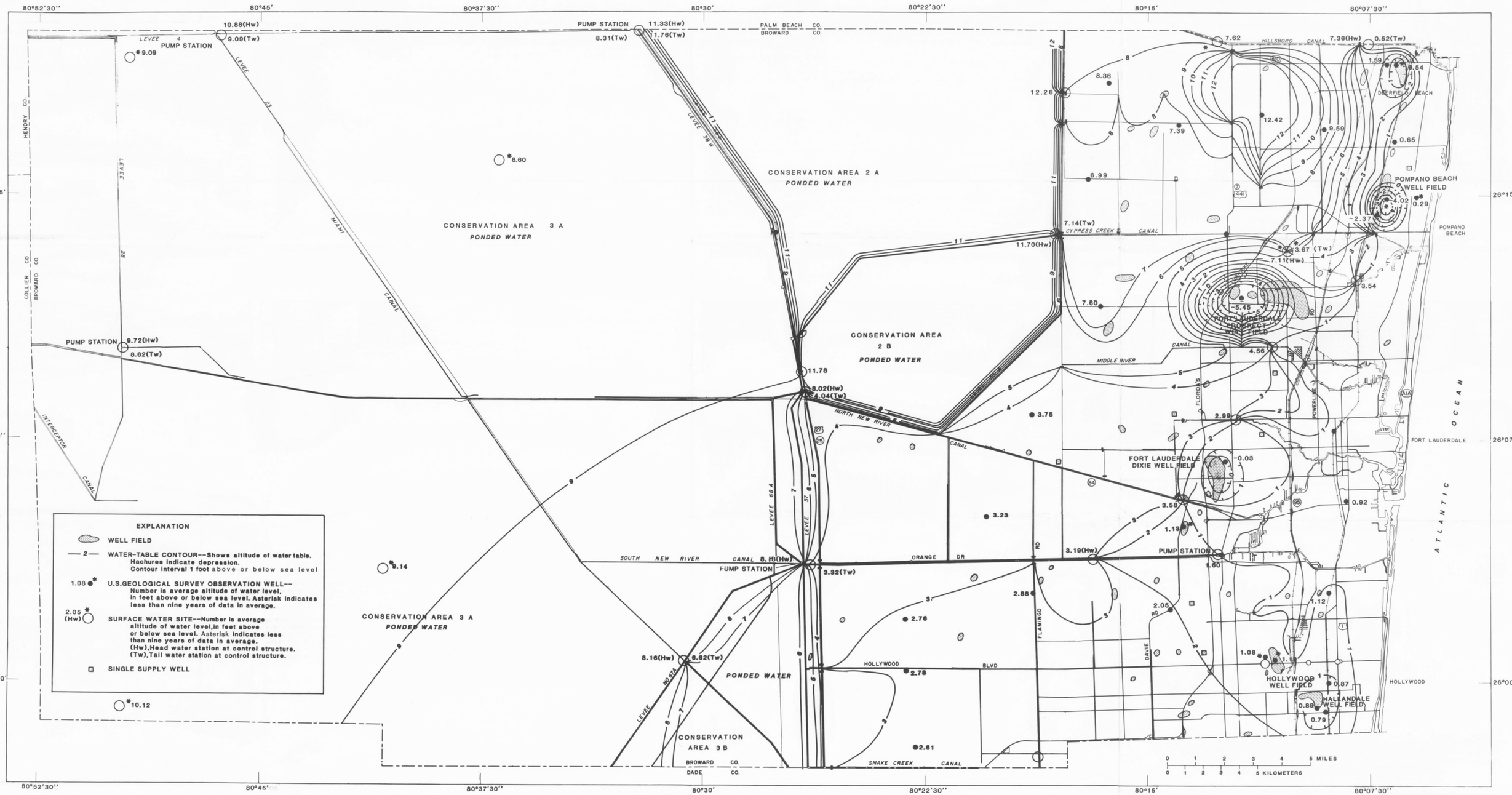

Figure 41.--Contours of average water table altitude in Broward County for April (dry season) 1974-82.