

DATA FOR LOCATION OF THE TOE OF THE INTERFACE BETWEEN
 Table 7.—Model test values of the location of the toe of the interface between
fresh and salty ground water at the base of the Magothy aquifer near
the south shoreline

[In feet north (-) or south (+) of the south shoreline]

SIMULATED VERTICAL HYDRAULIC CONDUCTIVITY OF GARDINERS CLAY (feet per day)	SIMULATED AVERAGE RECHARGE (million gallons per day per square mile)	Model A ¹				Model B ¹				Model C ¹				Model D ¹			
		TYPE 1 TESTS	TYPE 2 TESTS	TYPE 3 TESTS	TYPE 4 TESTS	TYPE 1 TESTS	TYPE 2 TESTS	TYPE 3 TESTS	TYPE 4 TESTS	TYPE 1 TESTS	TYPE 2 TESTS	TYPE 3 TESTS	TYPE 4 TESTS	TYPE 1 TESTS	TYPE 2 TESTS	TYPE 3 TESTS	TYPE 4 TESTS
1.34 x 10 ⁻¹	1.25	4,500	---	14,000	---	---	---	---	---	---	---	---	---	---	---	---	---
	1.00	6,500	---	14,500	---	---	---	---	---	---	---	---	---	+ 1,000 ^{6/}	---	-12,000	---
	.75	7,500	---	15,000	---	---	---	---	---	---	---	---	---	---	---	---	---
	.50	11,000	---	16,000	---	---	---	---	---	---	---	---	---	---	---	---	---
	.25	20,000	---	23,500	---	---	---	---	---	---	---	---	---	---	---	---	---
	.10	40,000	---	40,000	---	---	---	---	---	---	---	---	---	---	---	---	---
6.70 x 10 ⁻³	1.25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1.00	0	---	14,000	---	+ 2,500	---	-14,000	---	+ 6,000	---	-14,000	---	+ 7,000 ^{6/}	---	-12,000	---
	.75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	.50	---	---	---	---	- 5,000	---	-14,500	---	0	---	-14,000	---	---	---	---	---
	.25	---	---	---	---	---	---	-17,500	---	---	---	---	---	---	---	---	---
	.10	---	---	---	---	-32,000	---	-35,000	---	-21,000	---	---	---	---	---	---	---
6.70 x 10 ⁻⁴	1.25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1.00	+46,000 ^{6,7/}	---	14,000	---	+34,000 ^{6,7/}	---	-14,000	---	+48,000 ^{6,7/}	---	-13,500	---	+42,000 ^{6,7/}	---	-12,000	---
	.75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	.50	---	---	---	---	+ 7,000	---	-15,000	---	+20,000	---	-13,000	---	---	---	---	---
	.25	---	---	---	---	---	---	---	---	---	---	-15,500	---	---	---	---	---
	.10	-39,000	---	---	---	---	---	---	---	---	---	-26,500	---	-12,000	---	---	---
6.70 x 10 ⁻⁵	1.25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	1.00	8/	---	14,500	---	---	---	---	---	---	---	---	---	8/	---	---	---
	.75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	.50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	.25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	.10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	-21,000	---

1/ Values of hydraulic conductivity are listed in table 2.

2/ Type-1 tests--no simulation of streams, and subsea flow limited by the interface;

3/ Type-2 tests--no simulation of streams, and subsea flow beyond the interface;

4/ Type-3 tests--simulation of streams, and subsea flow limited by the interface;

5/ Type-4 tests--simulation of streams, and subsea flow beyond the interface;

6/ Position of toe of interface estimated from model tests of type 2.

7/ Toe of interface within model boundary, but not entire interface, based on model heads in tests of type 2.

8/ Toe of interface beyond southern boundary of model based on model heads in tests of type 2.