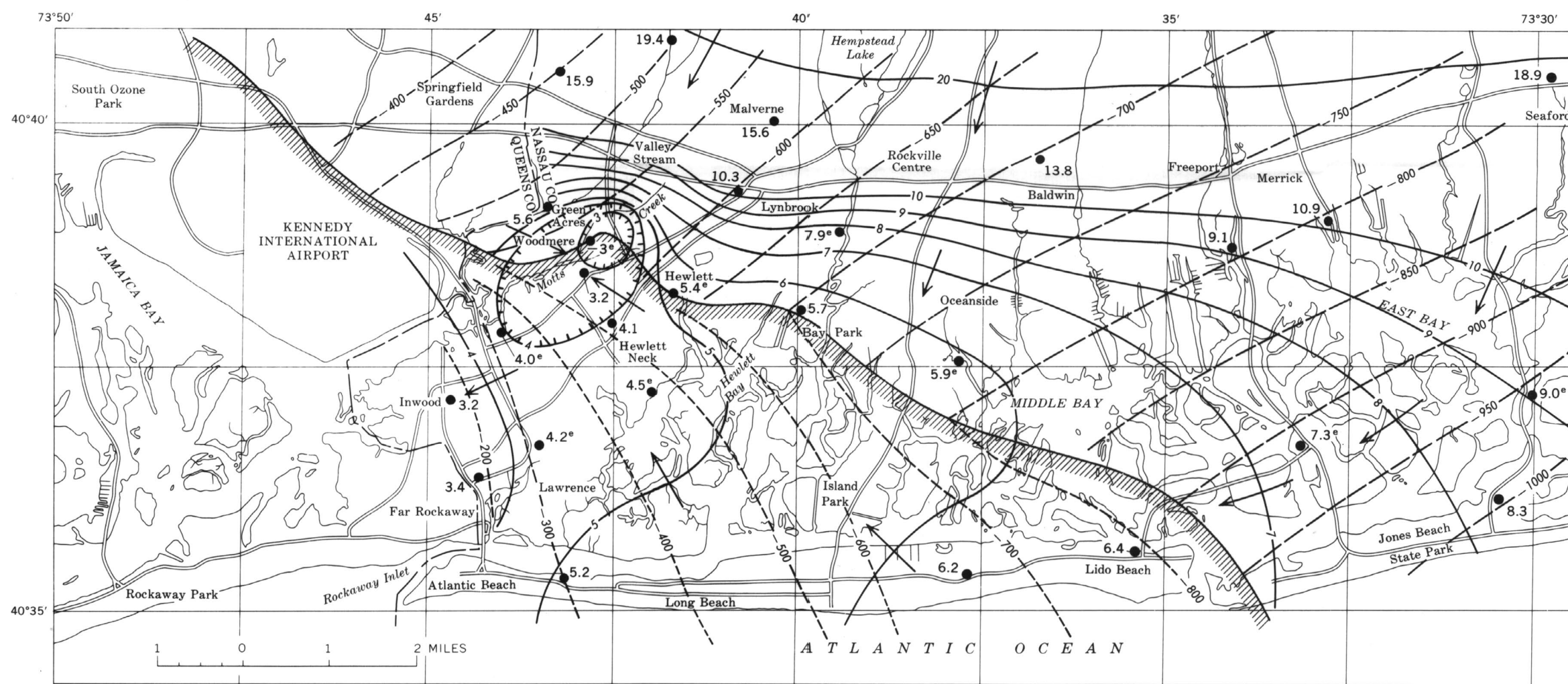


EXPLANATION

- Well or test-hole  
Upper number is well or test-hole number; lower number is chloride content in parts per million, in 1960-61, unless otherwise indicated
- Isochrone, in parts per million
- Structure contour  
Drawn on surface of clay member of Raritan Formation, in feet below mean sea level
- Approximate landward limit of deep salty-water wedge on surface of clay member of Raritan Formation
- Heads and altitudes given in feet with reference to mean sea level at Sandy Hook, N. J.

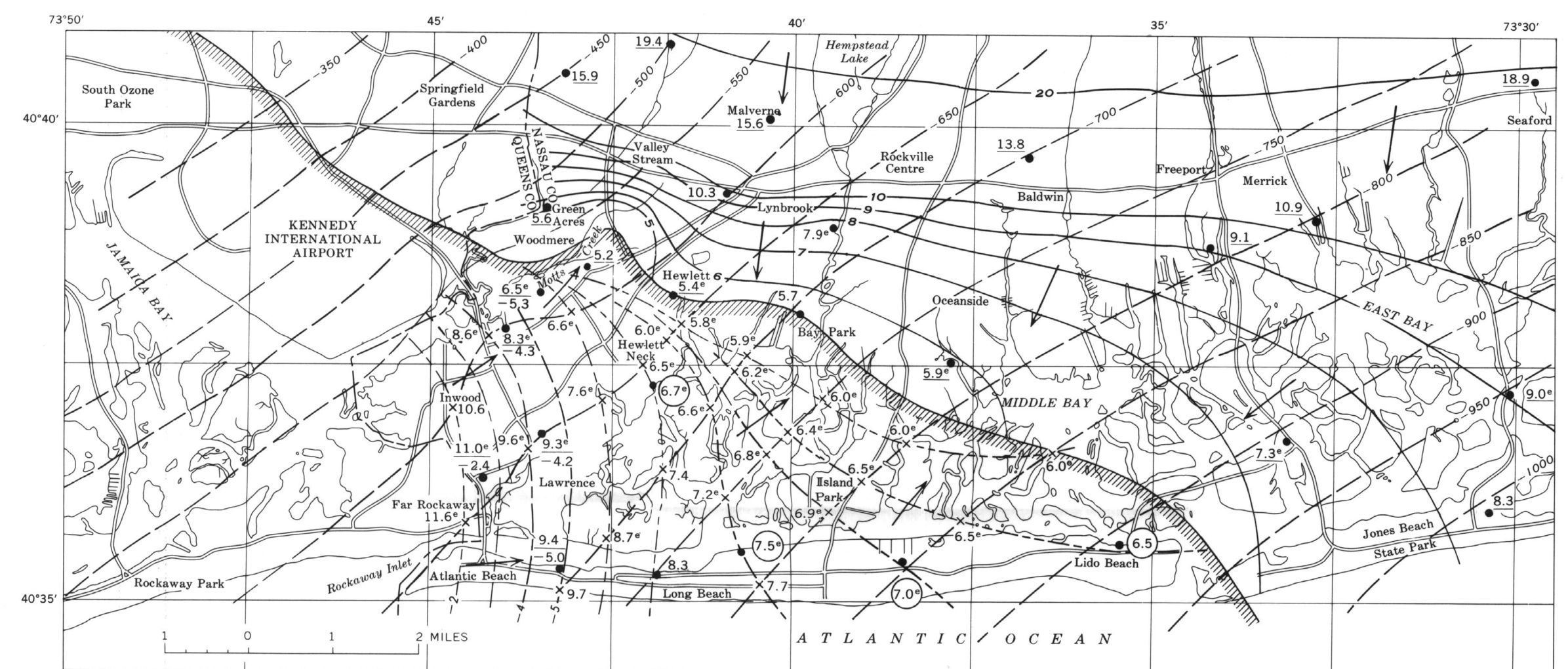
DISTRIBUTION OF CHLORIDE IN THE DEEP SALTY-WATER WEDGE



EXPLANATION

- Well  
Number shows fresh-water head, in feet, at base of the Magothy(?) formation, and at or near the upper surface of the deep salty-water wedge, e, estimated
- Structure contour  
Drawn on surface of clay member of the Raritan Formation, in feet
- Salty-water contour  
Drawn on upper surface of deep salty-water wedge, in feet
- Fresh-water isopotential, in feet, at base of the Magothy(?) formation, and at the upper surface of the deep salty-water wedge
- Approximate landward limit of deep salty-water wedge on surface of clay member of Raritan Formation
- Heads and altitudes given in feet with reference to mean sea level at Sandy Hook, N. J.
- Direction of flow of fresh water

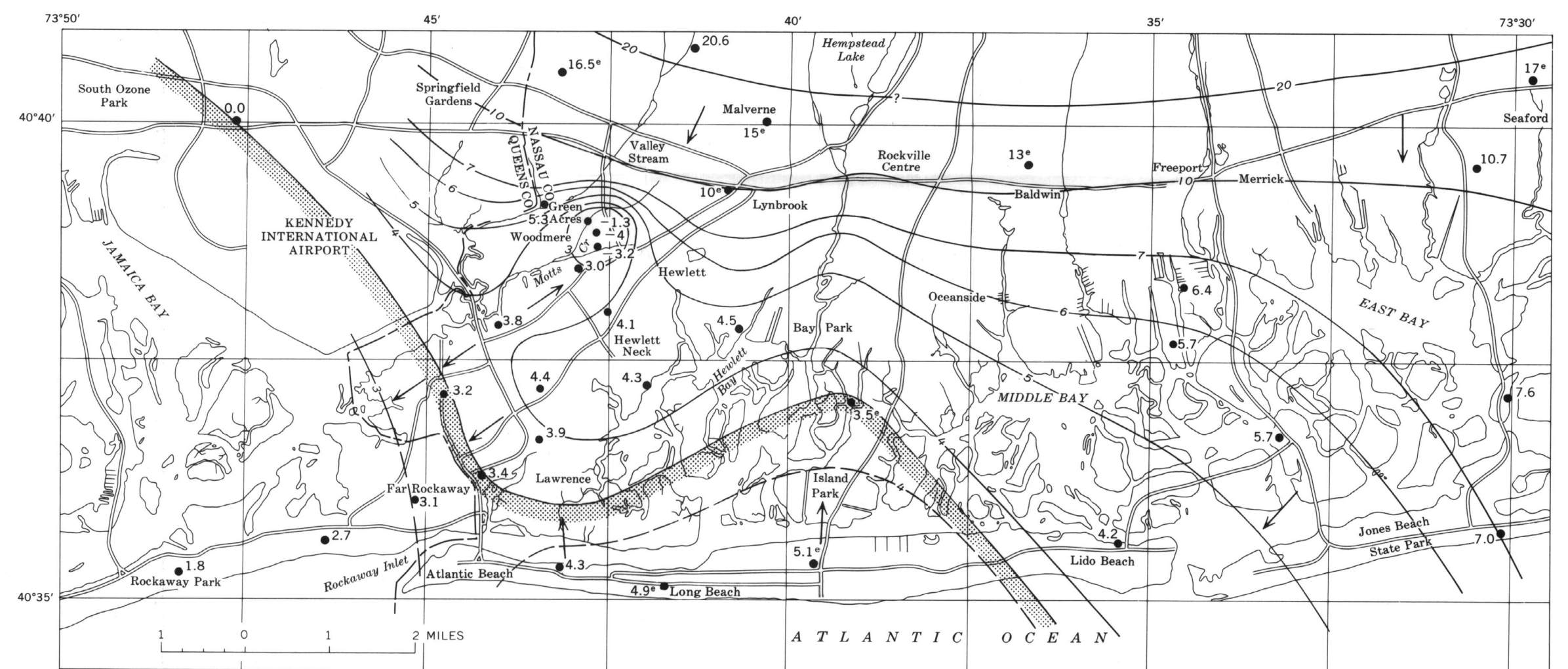
DISTRIBUTION OF HEAD AT BASE OF FRESH WATER IN THE MAGOTHY(?) FORMATION



EXPLANATION

- Well  
Upper figure is fresh-water head, in feet; lower figure is salt-water head, in feet; e, estimated. Figure in circle is fresh-water head, in feet, at well site, used for control of zeroval in diffused water
- Fresh-water isopotential in fresh water, in feet
- Salt-water isopotential in salt water, in feet
- Structure contour  
Drawn on surface of clay member of Raritan Formation, in feet. Fresh-water head, in feet, given at intersection of contours on the clay member with zerovals and salt-water isopotentials
- Approximate landward limit of deep salty-water wedge on surface of clay member of Raritan Formation
- Zeroval in diffused water
- Direction of flow
- Heads and altitudes given in feet with reference to mean sea level at Sandy Hook, N. J.

ISOPOTENTIAL SURFACE AND SURFACE OF ZERO VELOCITY IN THE LOWER PART OF THE MAGOTHY(?) FORMATION



EXPLANATION

- Well  
Number shows fresh-water head in fresh or diffused water, in feet, e, estimated
- Fresh-water isopotential in fresh water, in feet
- Fresh-water isopotential in diffused water, in feet
- Approximate landward limit of salty water at -150 feet
- Direction of component of flow at -150 feet
- Heads and altitudes given in feet with reference to mean sea level at Sandy Hook, N. J.

FRESH-WATER HEAD AND EXTENT OF SALTY WATER AT -150 FEET

CONTOUR MAPS SHOWING SUBSURFACE STRUCTURE, HYDRAULIC - HEAD RELATIONSHIPS, AND EXTENT AND CHLORIDE CONTENT OF SALTY WATER IN THE LOWER PART OF THE MAGOTHY(?) FORMATION AND AT -150 FEET, MARCH 1961