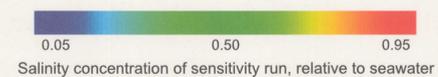


**EXPLANATION**

- Base case: line on upper graphs represents simulated head; lines on contour plot represent salinity concentration relative to seawater
- Sensitivity run: line on upper graphs represents simulated head; lines on contour plot represent salinity concentration relative to seawater
- Interface between freshwater and saltwater calculated with the Ghyben-Herzberg relation and the simulated heads from the sensitivity run
- $K_h$  Horizontal hydraulic conductivity, as equivalent freshwater term
- $K_v$  Vertical hydraulic conductivity, as equivalent freshwater term
- $\alpha_L$  Longitudinal dispersivity
- $\alpha_T$  Transverse dispersivity
- $Q/m$  Constant flux value for flow into model at western boundary
- $R$  Recharge



**PLATE 1. SECTIONS SHOWING SENSITIVITY ANALYSIS RESULTS FOR THE COCONUT GROVE MODEL**

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