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According to Ivce et al., there is almost no difference in the photodiode signal when the optical fiber is immersed in fresh water versus when the fiber is immersed in salt water(427).

In their **2011** study, Ivce et al. concluded that “regardless of the density of water where the ship is sailing the calibration will be the same” (427).

Ivce et al. notes “The main advantage of using optical fiber technology in draft reading is the elimination of possible errors which appear during the visual draft reading” (427). Therefore, optical fiber technology will make ship draft reading not only automated, but also more accurate that currently used methods.