



Mosquito Ditches

Mosquito Ditches Waste facilities



Waste and manufacturing facilities Light industrial warehousing Sports and entertainment



Sports and entertainment

Superfund Sites Light industrial facilities

Discussion:

Concentrations of Hg exceeded the ER-L criteria in all creeks and at all sampling locations (N-=53) with the exception of two sampling locations in Losen Slote creek. Only in the proximity of tide gates did Chromium concentrations exceeded the ERM criteria in all creeks but for Moonachie and Losen Slote. Overall, the concentrations Hg and Cr showed a negative slope up the creeks with the exception of Peach Island East which showed a positive slope. Peach Island creek showed greater than tenfold the amount of Hg and Cr compared to the other six creeks. Overall the concentrations of heavy metals were higher at the River side and River sampling locations compared to the Landside locations. Higher metal concentrations in creeks were associated with the proximity to historical land uses in the form of chemical recycling depots, automobile junk yards and industrial manufacturing facilities.

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