Generated

Generated

fish that inhabit embayments and estuaries. Significant loss of vegetation may adversely affect populations of these species (Teal, 1986).

# Modification of topography and lessening productivity of the marsh—

Compaction of marsh peat from construction or continually walking to and from a dock changes the marsh topography and may lead to long-term changes in marsh vegetation and drainage (Hruby, 1990). The distribution and species of marsh vegetation are strongly linked to elevation in relation to tidal flooding. Ponding of salt water on the marsh face will eventually lead to changes in vegetation to less productive species (Lefor, 1992).

*Fragmentation of habitat—*

Marshes are important for many species, including fish, birds, mammals and reptiles. Similarly many aquatic organisms, including game fish, shellfish, and the food they eat, depend on submerged aquatic vegetation. Docks, piers and associated walkways to docks fragment these valuable wetland habitats. The presence of docks or subsequent damage to the surrounding vegetation can deter wildlife from frequenting the area. Small docks also fragment eelgrass beds (Burdick and Short, 1999)—primarily through shading of the grasses. There are, unfortunately, limited research results available to quantify the impacts due to habitat fragmentation.

|  |  |
| --- | --- |
| Concentrations of CCA Wood TreatmentsRecommended for Various Uses | |
| Retentions *(lbs./cu.ft.)* | Uses/Exposures |
| 0.10 – 0.25  0.21 – 0.41  0.31– 0.61  2.50 | Above ground  Soil & Freshwater use  Permanent Wood Foundation  Saltwater use |



