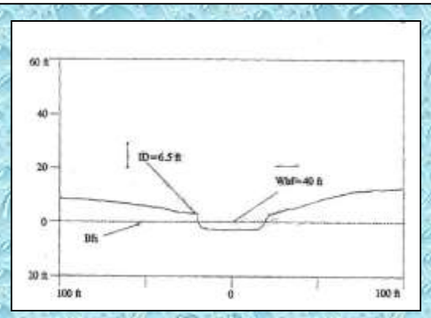
# Estuarine Process Group

**The estuarine process group includes intertidal streams that are directly influenced by tidal inundation. Stream stage fluctuation, channel morphology, sediment t transport, and water chemistry are influenced to some degree by saltwater inundation in estuary stream segments. Estuarine saltwater marshes, meadows, mudflats and gravel deltas are depositional environments associated with estuarine channels. The riparian area encompasses the entire estuarine wetland system**

**Stream Gradient— 1 % or less**
**Hydrologic Function: sediment storage**
**Stream Class: I or II**

| Channel type | Label | Former label |
|---|---|---|
| Micro Estuarine channel | ESO | —- |
| Small Estuarine Channel | ESS | ES1, ES2, ES3 |
| Medium Estuarine Channel | ESM | —- |
| Large Estuarine Channel | ESL | ES4 |




ES channels have a rectangular cross-section profile, no upper banks.

| Management Concern for: | ESSf-g | ESSc | ESM | ESL |
|---|---|---|---|---|
| Large Wood | Low | Low | Moderate | |
| Sediment Retention | High | Moderate | High | |
| Stream bank Stability | High | Moderate | High | |
| Sidelsope Sensitvity | N/A | | | |
| Flood Plain Protection | Moderate | Moderate | High | |
| Culvert Fish Passage | Moderate | High | N/A | |

| Management Indcator Species Ratings | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CT | Coho | | Pink | | Chum | | Sockeye | | Chinook | | Dolly Varden | | Steelhead | |
| | ASA | ARA | ASA | ARA | ASA | ARA | ASA | ARA | ASA | ARA | ASA | ARA | ASA | ARA |
| ESO | No data | | | | | | | | | | | | | |
| ESSf | N | H | N | N | N | L | N | L | N | N | N | N | N | N |
| ESSg | H | H | H | H | H | L | N | N | N | N | M | M | N | N |
| ESSc | M | L | L | L | L | L | N | N | N | N | M | M | N | N |
| ESM | H | L | H | H | N | N | N | N | N | N | N | N | N | N |
| ESL | H | L | H | H | N | N | N | N | N | N | N | N | N | N |