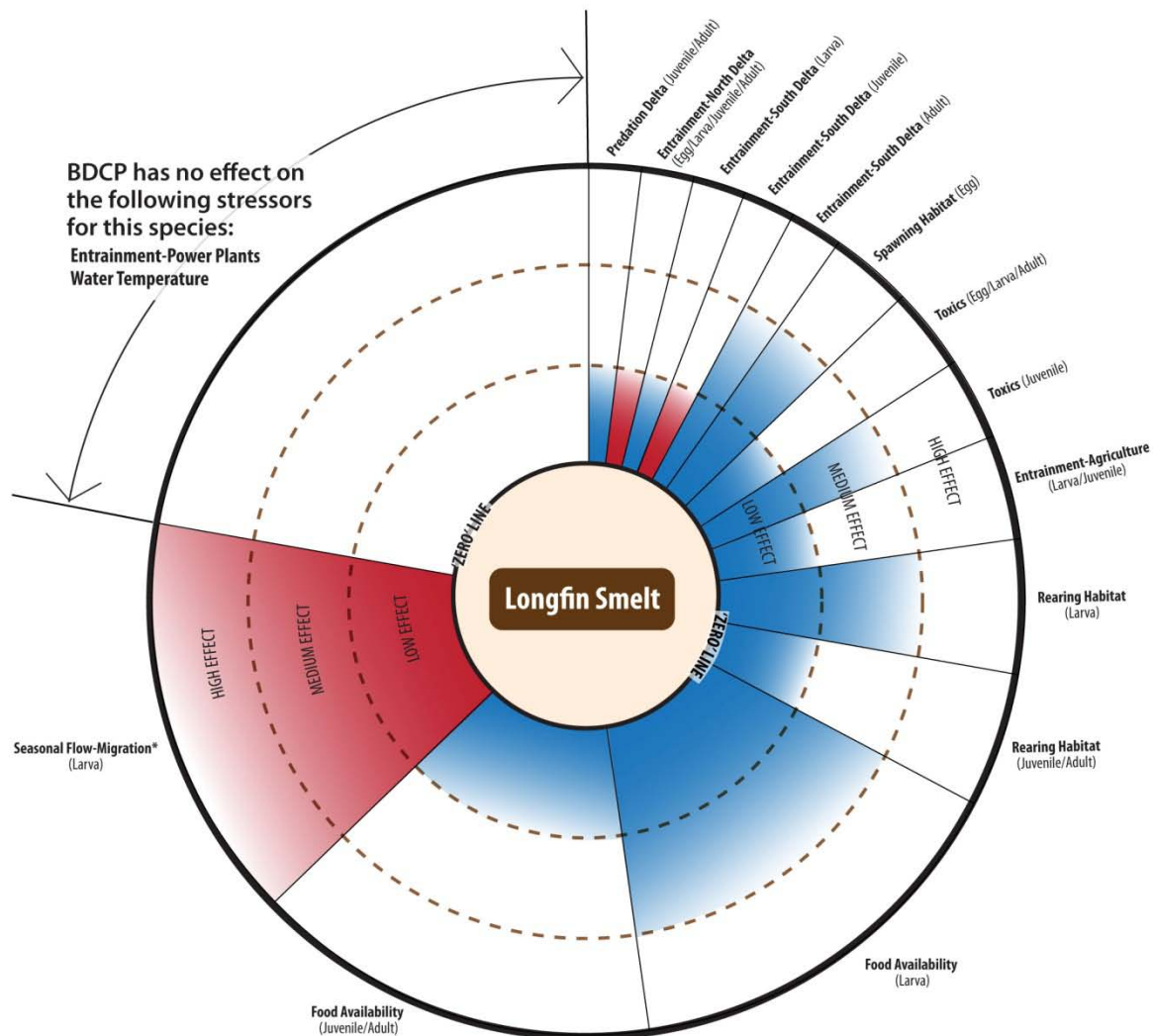


DRAFT

**LEGEND**

■ Positive effect

■ Negative effect

*There is significant scientific uncertainty regarding the relative importance of the seasonal flow stressor to all other stressors and the overall population-level effects on longfin smelt. The magnitude of adverse effects of this stressor on longfin smelt relative to the beneficial effects of BDCP conservation actions on other stressors, such as food availability and rearing habitat, are depicted here based on the results and conclusions of this Effects Analysis.

Diagram depicts, generally, the relative effect of various environmental stressors on the species population and a rough estimate of the magnitude (high, medium, low or none) of effect of the BDCP on each stressor. The relative importance of each stressor to the overall population dynamics of the species is represented by the size of each section of the pie chart. The assessment of relative importance of stressors to the species is qualitative and based on best professional judgment. Uncertainty and differences of opinion exist regarding stressor importance and performance of BDCP conservation actions for the species. Although, not a stressor, hatcheries are expected to provide additional benefit to longfin smelt.

Figure 5-632. Population Level Effects by Stressors – Longfin Smelt