

**Table 5-23**  
**Ecological Risk Evaluation for Waimanalo Stream:**  
**Assessment Endpoints, Measurement Endpoints, and Risk Thresholds**

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<b>Habitat Type(s)</b>	<b>Assessment Endpoint(s)</b>	<b>Measurement Endpoint(s)</b>	<b>Risk Threshold(s)</b>	<b>Endpoint Linkage(s)</b>
Aquatic Habitats	Provide unaltered food resources (the benthic community) for estuarine fish communities in Waimanalo Stream.	Comparison of chemical concentrations in surface water and surface sediment to screening values.	Chemicals with exceedances of a screening value will be evaluated as COPCs.	Effects-based ecological screening values are conservative values used to identify potential ecological problem areas. These values are typically based on ecologically significant endpoints such as mortality or reproductive success.
	Provide a food resource that does not adversely affect shorebird or other waterbird reproduction.	Comparison of intake of prey tissue contaminant concentrations to effects levels reported in the literature for avian species.	Prey contaminant concentrations are compared with values known to have an effect on reproduction in avian species.	Comparing intake calculations to No Observed Adverse Effects Levels (NOAELs) is a conservative first step in identifying potential problem areas.