

Salmon Ecosystem Worksheet



Eggs/Alevin Ecosystem Requirements

Water Quality

- Little to no silt
- Flowing water
-
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Physical Features

- Soil and roots for filtering rainwater and runoff
- Pools with deep still water for habitat and riffles for adding oxygen to the water
- Vegetation for...

- Gravel and rocks for...

Threats to Egg/Alevin Survival

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Fry

Ecosystem Requirements

Water Quality

- Little to no silt
- Flowing water
-
-

Physical Features

- Soil and roots for filtering rainwater and runoff
- Pools with deep still water for habitat and riffles for adding oxygen to the water
- Fallen leaves and vegetation to feed aquatic insects that in turn, feed fry
- Fallen logs to...
- Macroinvertebrates to...

Threats to Fry Survival

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Smolt

Ecosystem Requirements

Water Quality

- **Brackish water (mix of freshwater and saltwater)**
- Flowing water
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Physical Features

- Soil and roots for filtering rainwater and runoff
- Fallen leaves and vegetation to feed aquatic insects that in turn, feed smolt
- Fallen logs to...
- Macroinvertebrates, small fish and crustaceans to...

Threats to Smolt Survival

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Ocean Adult

Ecosystem Requirements

Water Quality

- Saltwater
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Physical Features

- (Hint: What do they eat? List 3 animals)

Threats to Ocean Adult Survival

- Climate change
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Spawning Adult Ecosystem Requirements

Water Quality

- Freshwater
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Physical Features

- Deep enough water to swim through
- Fish ladders to ...
- Gravel beds to....

Threats to Spawning Adult Survival

- Climate change
- Shallow water in small streams
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