ASSESSMENT OF IMPACTS TO CRITICAL HABITAT FOR ESUs of Pacific Salmon and Steelhead in Washington Designated December 28, 1993 and September 2, 2005

Salmon and Steelhead Critical Habitat - Primary Constituent Elements
From 50 CFR Part 226 70 FR 52664-5

Select all critical habitat ESUs in the action area:

- ☐ Puget Sound Chinook
- ☐ Lower Columbia River (LCR) Chinook
- ☐ Upper Willamette River (UWR) Chinook
- ☐ Upper Columbia River (UCR) spring Chinook
- ☐ Snake River (SR) fall Chinook
- ☐ SR spring-summer Chinook
- ☐ Hood Canal summer chum
- ☐ Columbia River chum
- ☐ Ozette Lake sockeye
- ☐ SR sockeye
- ☐ UCR steelhead
- ☐ Mid Columbia River (MCR) steelhead
- ☐ LCR steelhead
- ☐ UWR steelhead
- ☐ SR steelhead

The primary constituent elements determined essential to the conservation of Pacific salmon and steelhead are:

(1) Freshwater spawning sites with water quantity and quality conditions and substrate supporting spawning, incubation, and larval development.

Existing Conditions: *describe conditions in project area*
Effects to PCE: *describe effects from project to PCE.*

(2) Freshwater rearing sites with water quantity and floodplain connectivity to form and maintain physical habitat conditions and support juvenile growth and mobility; water quality and forage supporting juvenile development; and natural cover such as shade, submerged and overhanging large wood, log jams and beaver dams, aquatic vegetation, large rocks and boulders, side channels, and undercut banks.

Existing Conditions: *describe conditions in project area*
Effects to PCE: *describe effects from project to PCE.*

(3) Freshwater migration corridors free of obstruction with water quantity and quality conditions and natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels, and undercut banks supporting juvenile and adult mobility and survival.

Existing Conditions: *describe conditions in project area*
Effects to PCE: *describe effects from project to PCE.*

(4) Estuarine areas free of obstruction with water quality, water quantity and salinity conditions supporting juvenile and adult physiological transitions between fresh-and saltwater; natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, and side channels, and juvenile and adult forage, including aquatic invertebrates and fishes, supporting growth and maturation.

Existing Conditions: *describe conditions in project area*
Effects to PCE: *describe effects from project to PCE.*

(5) Nearshore marine areas free of obstruction with water quality and quantity conditions and forage, including aquatic invertebrates and fishes, supporting growth and maturation; and natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, and side channels.

Existing Conditions: *describe conditions in project area*
Effects to PCE: *describe effects from project to PCE.*

(6) Offshore marine areas with water quality conditions and forage, including aquatic invertebrates and fishes, supporting growth and maturation.

Existing Conditions: *describe conditions in project area*
Effects to PCE: *describe effects from project to PCE.*

Determination of Effect: If critical habitat for the ESU does not occur in the action area, no determination of effect is required for that ESU.

	NE[1]	NLAA[2]	LAA[3]
Puget Sound Chinook:	☐	☐	☐
LCR Chinook	☐	☐	☐
UWR Chinook	☐	☐	☐
UCR spring Chinook	☐	☐	☐
SR fall Chinook	☐	☐	☐
SR spring-summer Chinook	☐	☐	☐
Hood Canal summer chum	☐	☐	☐
Columbia River chum	☐	☐	☐
Ozette Lake sockeye	☐	☐	☐
SR sockeye	☐	☐	☐
UCR steelhead	☐	☐	☐
MCR steelhead	☐	☐	☐
UWR steelhead	☐	☐	☐
SR steelhead	☐	☐	☐

[1] NE is no effect.
[2] NLAA is may affect, not likely to adversely affect.
[3] LAA is may affect, likely to adversely affect.

Conservation Measures: *List conservation measures here*