

**PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6**  
**ADOPTED July 10, 2014**

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** The Trustees accept the attached "Assessment of Natural Resource Service Losses Related to the Rayonier Mill Study Area, Port Angeles, WA" as an accurate reflection of the Trustees' best available knowledge of a) existing conditions, b) contaminant sources, c) approach and models used, and d) range of magnitude of injuries to ecological services provided by natural resources within the Rayonier Study Area at the time of this resolution. This attachment is intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6), accepting the presentation described above for inclusion in the Administrative Record, was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: Rebecca S. Lawson ON: 8/4/2014

THE LOWER ELWHA KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE PORT GAMBLE S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE JAMESTOWN S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY: \_\_\_\_\_ ON: \_\_\_\_\_

**PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6**  
**ADOPTED July 10, 2014**

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** The Trustees accept the attached "Assessment of Natural Resource Service Losses Related to the Rayonier Mill Study Area, Port Angeles, WA" as an accurate reflection of the Trustees' best available knowledge of a) existing conditions, b) contaminant sources, c) approach and models used, and d) range of magnitude of injuries to ecological services provided by natural resources within the Rayonier Study Area at the time of this resolution. This attachment is intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6), accepting the presentation described above for inclusion in the Administrative Record, was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE LOWER ELWHA KLALLAM TRIBE

BY:  ON: 8/14/14

THE PORT GAMBLE S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE JAMESTOWN S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY: \_\_\_\_\_ ON: \_\_\_\_\_

**PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6**  
**ADOPTED July 10, 2014**

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** The Trustees accept the attached "Assessment of Natural Resource Service Losses Related to the Rayonier Mill Study Area, Port Angeles, WA" as an accurate reflection of the Trustees' best available knowledge of a) existing conditions, b) contaminant sources, c) approach and models used, and d) range of magnitude of injuries to ecological services provided by natural resources within the Rayonier Study Area at the time of this resolution. This attachment is intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6), accepting the presentation described above for inclusion in the Administrative Record, was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE LOWER ELWHA KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE PORT GAMBLE S'KLALLAM TRIBE

BY: *Kama Call* ON: *Aug-4, 2014*

THE JAMESTOWN S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY: \_\_\_\_\_ ON: \_\_\_\_\_

PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6  
ADOPTED July 10, 2014

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** The Trustees accept the attached "Assessment of Natural Resource Service Losses Related to the Rayonier Mill Study Area, Port Angeles, WA" as an accurate reflection of the Trustees' best available knowledge of a) existing conditions, b) contaminant sources, c) approach and models used, and d) range of magnitude of injuries to ecological services provided by natural resources within the Rayonier Study Area at the time of this resolution. This attachment is intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6), accepting the presentation described above for inclusion in the Administrative Record, was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE LOWER ELWHA KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE PORT GAMBLE S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE JAMESTOWN S'KLALLAM TRIBE

BY: *Douglas Selton* ON: *8/4/14*

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY: \_\_\_\_\_ ON: \_\_\_\_\_

**PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6**  
**ADOPTED July 10, 2014**

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** The Trustees accept the attached "Assessment of Natural Resource Service Losses Related to the Rayonier Mill Study Area, Port Angeles, WA" as an accurate reflection of the Trustees' best available knowledge of a) existing conditions, b) contaminant sources, c) approach and models used, and d) range of magnitude of injuries to ecological services provided by natural resources within the Rayonier Study Area at the time of this resolution. This attachment is intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6), accepting the presentation described above for inclusion in the Administrative Record, was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE LOWER ELWHA KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE PORT GAMBLE S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE JAMESTOWN S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY:  ON: 31 Jul 14

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY: \_\_\_\_\_ ON: \_\_\_\_\_

**PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6**  
**ADOPTED July 10, 2014**

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** The Trustees accept the attached "Assessment of Natural Resource Service Losses Related to the Rayonier Mill Study Area, Port Angeles, WA" as an accurate reflection of the Trustees' best available knowledge of a) existing conditions, b) contaminant sources, c) approach and models used, and d) range of magnitude of injuries to ecological services provided by natural resources within the Rayonier Study Area at the time of this resolution. This attachment is intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6), accepting the presentation described above for inclusion in the Administrative Record, was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE LOWER ELWHA KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE PORT GAMBLE S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

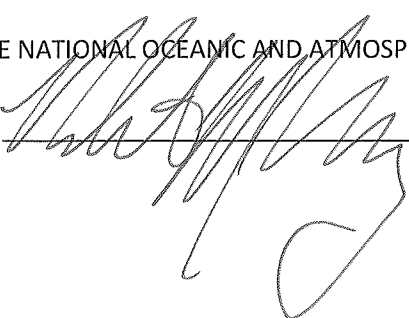
THE JAMESTOWN S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY:  \_\_\_\_\_ ON: 8/07/14 \_\_\_\_\_

# **Assessment of Natural Resource Service Losses related to the Rayonier Mill Study Area Port Angeles, WA**

7/10/2014

Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence Section 408  
Preliminary Draft/Subject to Revision

1

## **Introduction and Purpose**

This presentation, documenting the completion of Phase 1, currently reflects the trustees best available knowledge of:

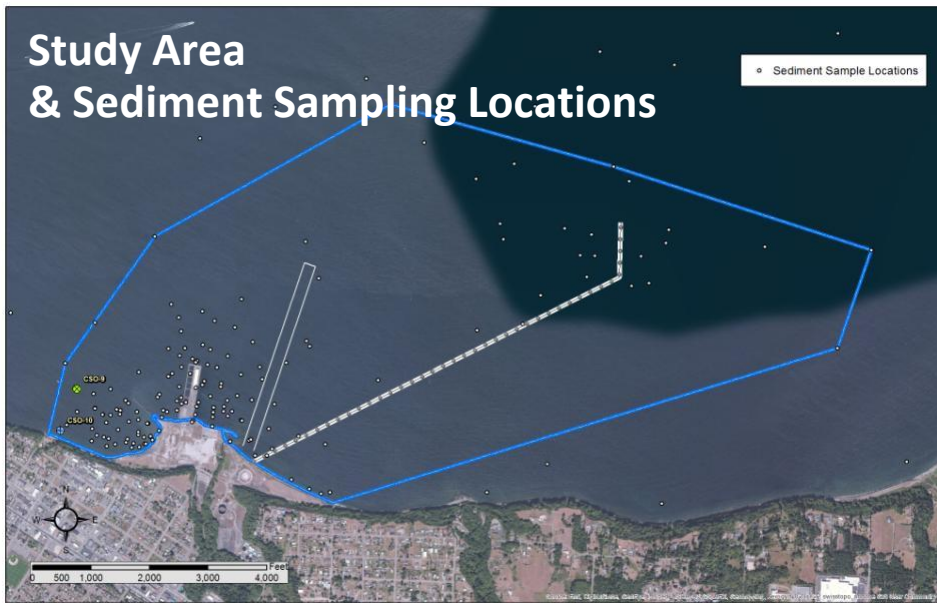
- Existing conditions,
- Contaminant sources,
- Approach and models used, and
- Range and magnitude of injuries to ecological services provided by natural resources within the Rayonier Study Area.

7/10/2014

Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence  
Section 408 Preliminary Draft/Subject to  
Revision

2





7/10/2014

Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence Section 408  
Preliminary Draft/Subject to Revision

3



7/10/2014

Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence Section 408  
Preliminary Draft/Subject to Revision







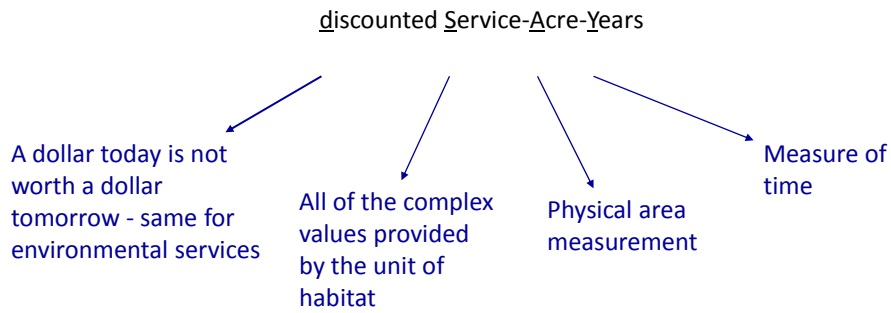
## Definitions

- **Injury** – scientific concept; measurable adverse impacts to resources resulting from release of hazardous substance
- **Damage** – translation of injuries into what liable party must pay or do as compensation
- **Services** – values provided by resources (e.g., wildlife shelter/food/human uses)
- **Baseline** – resource condition had the release not occurred; “but for” condition

## Exchange rate - Unit of measure

Dollars not used as exchange rate:

- Most habitats provide a complex suite of services not typically valued in monetary terms
- The most common unit is the dSAY

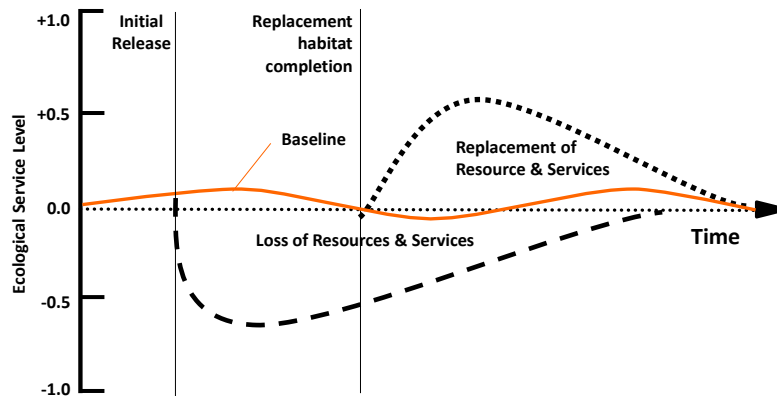


7/10/2014

Confidential Settlement Negotiations  
 Subject to Federal Rules of Evidence Section 408  
 Preliminary Draft/Subject to Revision

9

## Habitat Equivalency Analysis (HEA)

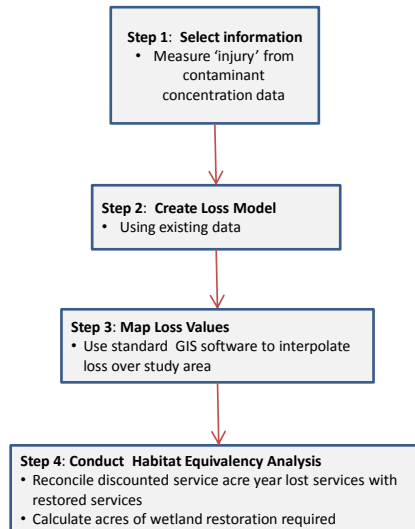


7/10/2014

Confidential Settlement Negotiations  
 Subject to Federal Rules of Evidence Section 408  
 Preliminary Draft/Subject to Revision

10

## Phase I: Steps in service loss and restoration scaling



Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence Section 408  
Preliminary Draft/Subject to Revision

7/10/2014

11

## Hazardous Substances Involved

- Polychlorinated biphenyls (PCBs),
- Polycyclic aromatic hydrocarbons (PAHs)
- Dioxin/furan toxic equivalents (TEQ)
- Phenols
  - 2-methylphenol,
  - 4-methylphenol,
  - pentachlorophenol, and
  - phenol

Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence  
Section 408 Preliminary Draft/Subject to  
Revision

7/10/2014

12

## **Service Loss Models**

### *Lower and Upper Bounds*

- Commencement Bay (Wolotira 2002) and the Lower Duwamish River (NOAA 2013) Superfund sites in Puget Sound were used as they were regionally specific studies and were based on toxicity in Puget Sound.
- St. Lawrence River in Massena, New York (Natural Resource Trustees of the St. Lawrence River Environment 2013) was used in a recent NRDA settlement and its threshold values create ranges of DSAYs.
- A dioxin TEQ model was developed and used to calculate injuries associated with that class of contaminants

7/10/2014

Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence  
Section 408 Preliminary Draft/Subject to  
Revision

13

## **Dioxin Toxic Equivalent (TEQ) Model**

- Site specific dioxin injury model developed because no relevant dioxin/furan injury models currently exist.
- Service losses associated with dioxins were scaled using a TEQ to TEQ-based approach for dioxin-like compounds.
- Used dose-response curve developed for PCB concentrations in sediment from the St. Lawrence River NRDA.
- An intermediate TEQ value for Aroclor 1254 -- 7.7 -- was selected to convert from PCB concentration to an equivalent TEQ value.
- The resultant model then predicts injury from input values of sediment dioxin/furan TEQ values.

7/10/2014

Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence  
Section 408 Preliminary Draft/Subject to  
Revision

14

# Concentration Based Service Loss

**Puget Sound (Hylebos Waterway, Lower Duwamish River\*) Service Loss Thresholds**

CHEMNAME	Units	5%	10%	15%	20%	40%	60%	80%
PAHs, total	ppb				1,000	8,000	17,000	70,000
PCBs, total*	ppb				128	1,100	3,100	15,200
2-Methylphenol	ppb	55	63	72	77			
4-Methylphenol	ppb	110	670	1,800	3,600			
Pentachlorophenol	ppb	12	400		690			
Phenol	ppb	180	420		1,200			

**St. Lawrence River tPCB Service Loss Thresholds**

CHEMNAME	Units	1%	2.1%	4.1%	5.6%	13.2%
PCBs, total	ppb	190	410	825	1,100	2,900

**St. Lawrence River tPAH Service Loss Thresholds**

CHEMNAME	Units	10%	25%	50%
PAHs, total	ppb	4,000	25,000	50,000

**Port Angeles Dioxin Service Loss Thresholds (TEQ linear model used (slide 19) – These are point values to show the relationship)**

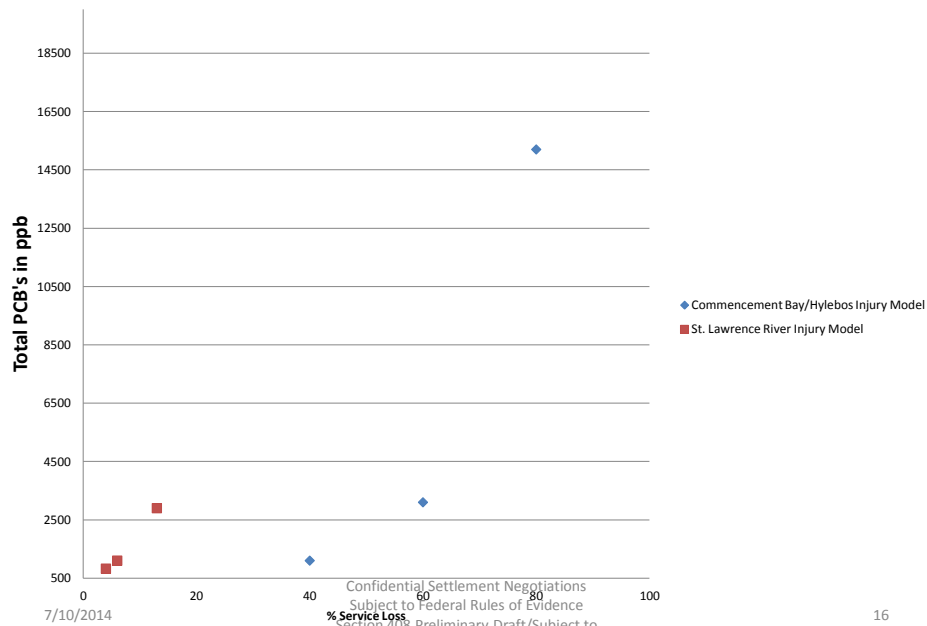
CHEMNAME	Units	4.6%	8.4%	15.9%	24.5%	28.2%
Dioxin TEQ	pptr	50	60			

7/10/2014

Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence  
Section 408 Preliminary Draft/Subject to  
Revision

15

## % Service Loss for PCB's



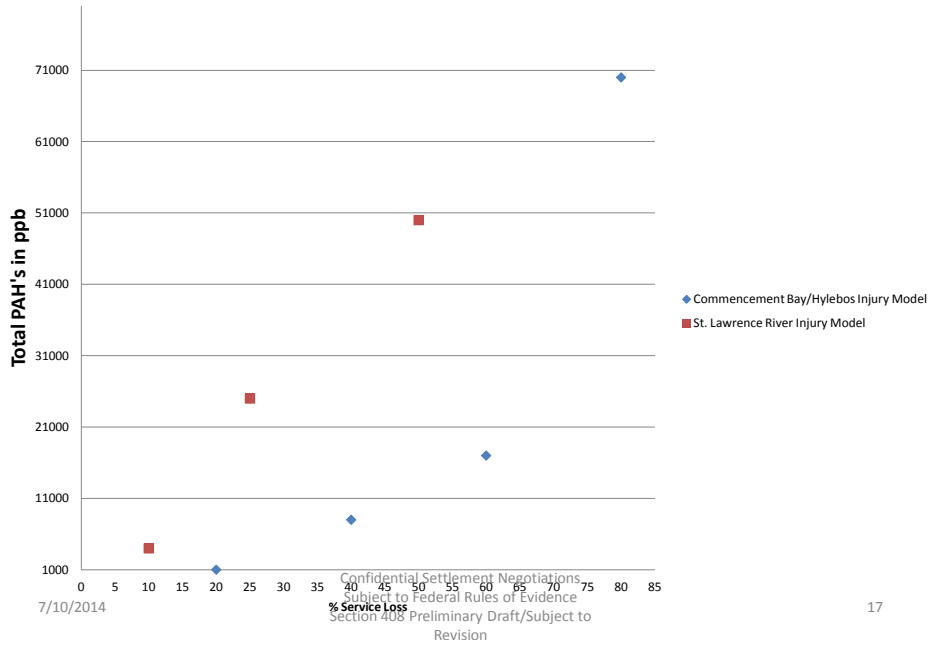
7/10/2014

Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence  
Section 408 Preliminary Draft/Subject to  
Revision

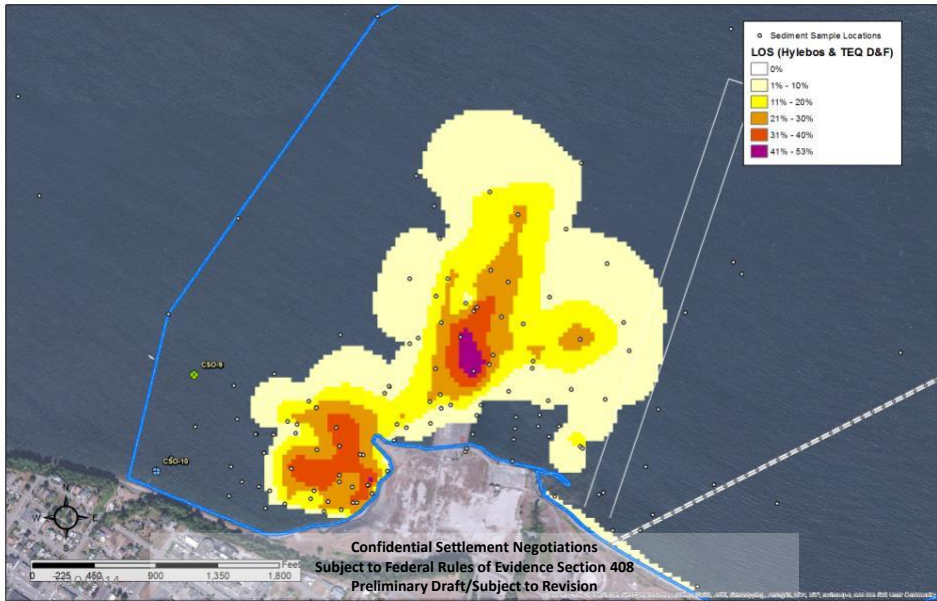
16



### % Service Loss for PAH's

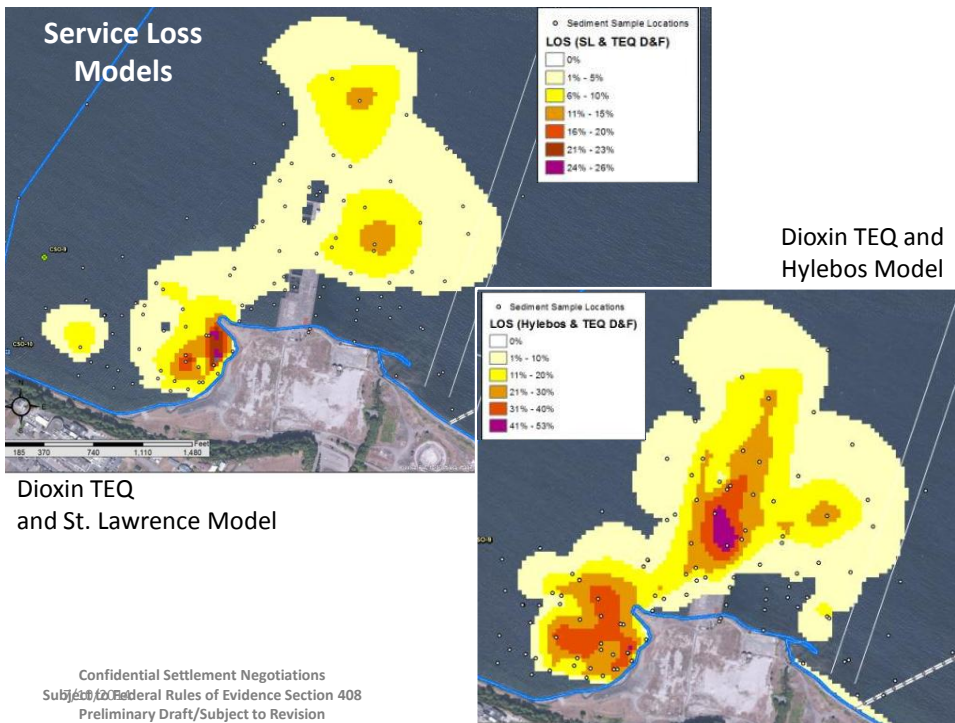
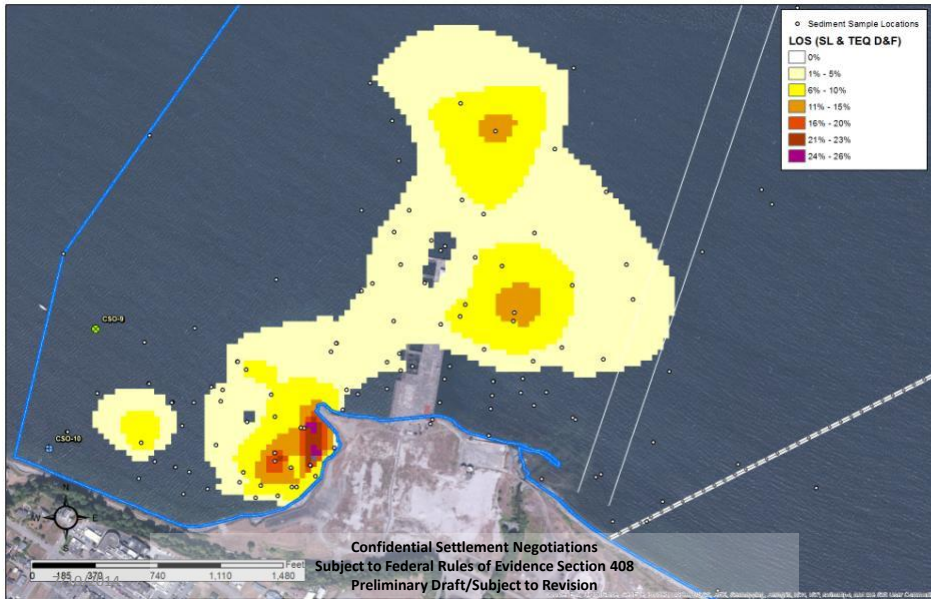


### Service Loss - Dioxin TEQ and Hylebos model

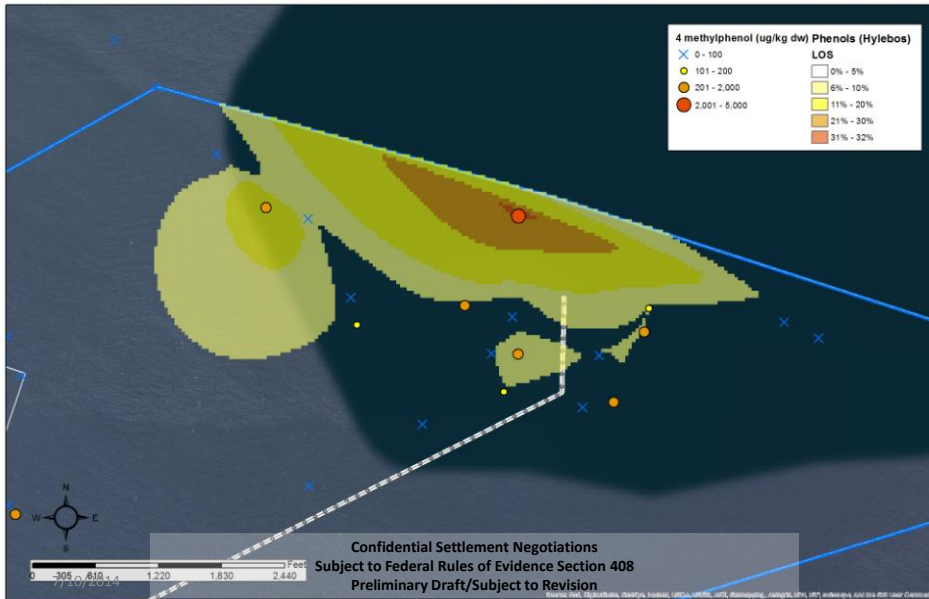




## Service Loss - Dioxin TEQ and St. Lawrence models



## Service Loss – Outfall Vicinity (phenolics)



## Habitat Value Adjustments

*Habitat values (Hylebos model, 2001; relative to estuarine wetland = 1.0)*

Habitat Zone	Hylebos Value*	Zone Description
Shallow Subtidal	0.7	Area between Zero and -14' MLLW
Deep Subtidal	0.3	Area Below -14' MLLW, no wood or overwater structures present

*Baseline values (Hylebos model, 2001; relative to native = 1.0)*

Habitat Zone	Hylebos Value*	Zone Description
Dredged areas	0.1	log pond, berths and dredged approach
Buried Pulp or Scattered Wood	0.5	Identified by SAIC (1999)
Wood Waste	0.1	Identified by SAIC (1999)
Overwater structure	0.1	Area under docks, etc.

\* These Hylebos habitat values are similar to other habitat models considered for Port Angeles Harbor.

## Loss of services calculation

- Habitat Equivalency Analysis (HEA) determines how much restoration is required to make the public whole after losses of natural resource services caused by releases of oil or hazardous substances
- HEA model used to integrate injuries at the habitat level
- Bracket liability range under various assumptions of injury

7/10/2014

Confidential Settlement Negotiations  
 Subject to Federal Rules of Evidence Section 408  
 Preliminary Draft/Subject to Revision

23

## Preliminary Injury Evaluation

- HEA Assumptions:
  - HEA start year of 1981
  - Remediation Starts in 2015
  - Recovery by 2030
  - Discount factor of 3%
  - 1,310 acres within study area
  - No change in contamination over time
- Estimated range of injury 100-300 dSA<sub>estuary</sub>Y

7/10/2014

Confidential Settlement Negotiations  
 Subject to Federal Rules of Evidence Section 408  
 Preliminary Draft/Subject to Revision

24

## Preliminary Restoration Evaluation

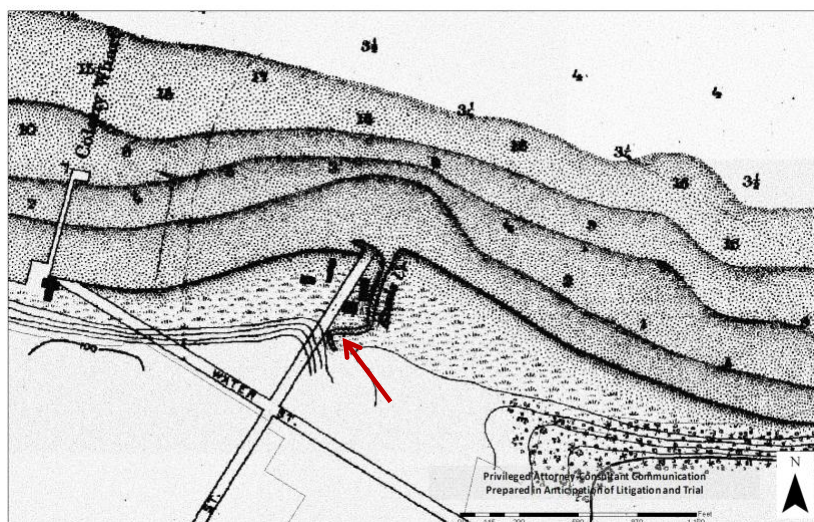
- Assign “credit” to be derived from the selected restoration options
- Use HEA/GIS to summarize total credit for each habitat component
- Compare the ‘restoration requirement’ to how much restoration can be created
- Estimated range 132-330 dSA<sub>estuary</sub> Y will be created for a project of approximately 7.5 ac

7/10/2014

Confidential Settlement Negotiations  
 Subject to Federal Rules of Evidence Section 408  
 Preliminary Draft/Subject to Revision

25

## Ennis Creek (c. 1898)

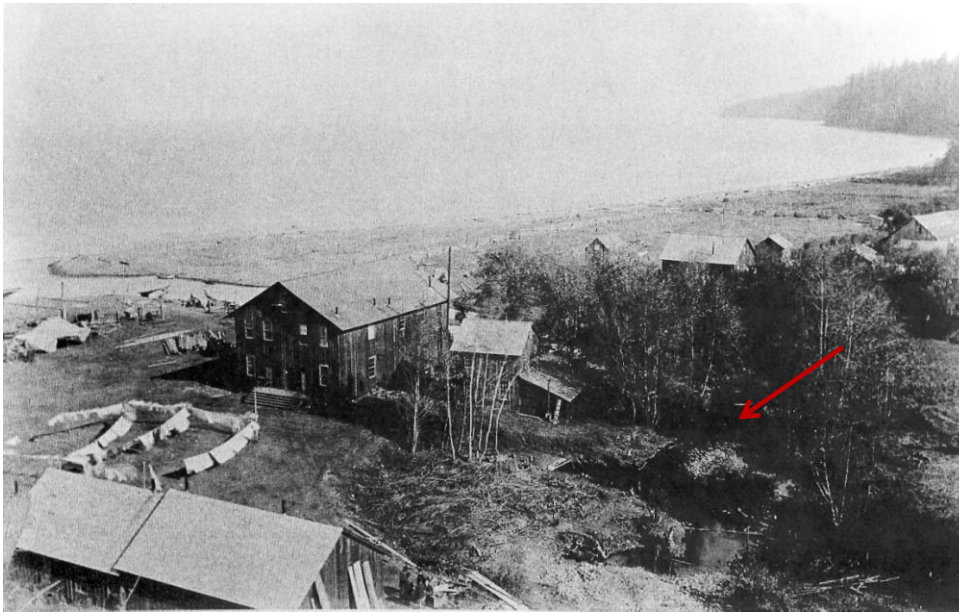


7/10/2014

Confidential Settlement Negotiations  
 Subject to Federal Rules of Evidence Section 408  
 Preliminary Draft/Subject to Revision

26

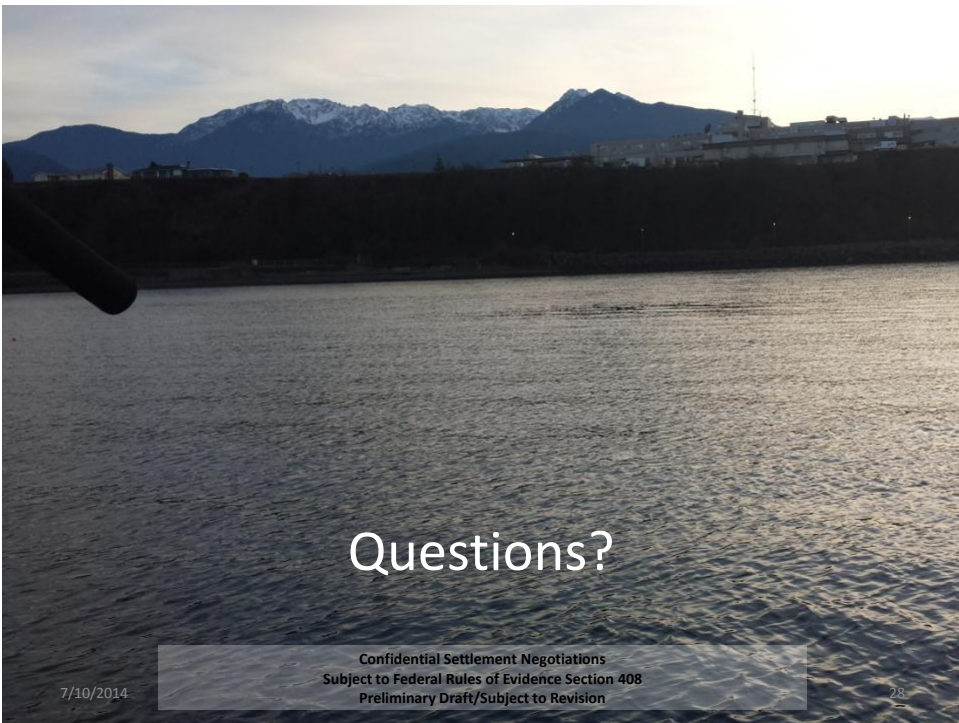




**Puget Sound Cooperative Colony (c. 1887)**

Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence  
Section 408 Preliminary Draft/Subject to  
Revision

7/10/2014



Questions?

Confidential Settlement Negotiations  
Subject to Federal Rules of Evidence Section 408  
Preliminary Draft/Subject to Revision

7/10/2014

28

**PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6 ADDENDUM  
ADOPTED DECEMBER 11, 2014**

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** Rayonier and the Port Angeles Harbor Trustees agree to accept an additional estuarine acre of restoration (or the equivalent) as compensation for injury caused by dioxin/furans in the central harbor area of Port Angeles Harbor, above and beyond the estuarine acres of restoration for compensation agreed to in Resolution No. 6 for injury within the Rayonier Study Area. Resolution No. 6 and this Addendum are intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6) Addendum is accepted for inclusion in the Administrative Record and was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: Rebecca S. Lawson ON: 12/11/14

THE LOWER ELWHA KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE PORT GAMBLE S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE JAMESTOWN S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY: \_\_\_\_\_ ON: \_\_\_\_\_

**PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6 ADDENDUM  
ADOPTED DECEMBER 11, 2014**

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** Rayonier and the Port Angeles Harbor Trustees agree to accept an additional estuarine acre of restoration (or the equivalent) as compensation for injury caused by dioxin/furans in the central harbor area of Port Angeles Harbor, above and beyond the estuarine acres of restoration for compensation agreed to in Resolution No. 6 for injury within the Rayonier Study Area. Resolution No. 6 and this Addendum are intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6) Addendum is accepted for inclusion in the Administrative Record and was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE LOWER ELWHA KLALLAM TRIBE

BY:  ON: 12-11-14

THE PORT GAMBLE S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE JAMESTOWN S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY: \_\_\_\_\_ ON: \_\_\_\_\_



**PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6 ADDENDUM  
ADOPTED DECEMBER 11, 2014**

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** Rayonier and the Port Angeles Harbor Trustees agree to accept an additional estuarine acre of restoration (or the equivalent) as compensation for injury caused by dioxin/furans in the central harbor area of Port Angeles Harbor, above and beyond the estuarine acres of restoration for compensation agreed to in Resolution No. 6 for injury within the Rayonier Study Area. Resolution No. 6 and this Addendum are intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6) Addendum is accepted for inclusion in the Administrative Record and was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE LOWER ELWHA KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE PORT GAMBLE S'KLALLAM TRIBE

BY:  \_\_\_\_\_ ON: 12-19-14

THE JAMESTOWN S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY: \_\_\_\_\_ ON: \_\_\_\_\_

**PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6 ADDENDUM  
ADOPTED DECEMBER 11, 2014**

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** Rayonier and the Port Angeles Harbor Trustees agree to accept an additional estuarine acre of restoration (or the equivalent) as compensation for injury caused by dioxin/furans in the central harbor area of Port Angeles Harbor, above and beyond the estuarine acres of restoration for compensation agreed to in Resolution No. 6 for injury within the Rayonier Study Area. Resolution No. 6 and this Addendum are intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6) Addendum is accepted for inclusion in the Administrative Record and was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE LOWER ELWHA KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE PORT GAMBLE S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE JAMESTOWN S'KLALLAM TRIBE

BY: *Douglas Jellon* ON: *12/18/2014*

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY: \_\_\_\_\_ ON: \_\_\_\_\_

**PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6 ADDENDUM  
ADOPTED DECEMBER 11, 2014**

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** Rayonier and the Port Angeles Harbor Trustees agree to accept an additional estuarine acre of restoration (or the equivalent) as compensation for injury caused by dioxin/furans in the central harbor area of Port Angeles Harbor, above and beyond the estuarine acres of restoration for compensation agreed to in Resolution No. 6 for injury within the Rayonier Study Area. Resolution No. 6 and this Addendum are intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6) Addendum is accepted for inclusion in the Administrative Record and was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE LOWER ELWHA KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE PORT GAMBLE S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE JAMESTOWN S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY:  ON: 15 DEC 14

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY: \_\_\_\_\_ ON: \_\_\_\_\_

**PORT ANGELES HARBOR TRUSTEE COUNCIL RESOLUTION NO. 6 ADDENDUM  
ADOPTED DECEMBER 11, 2014**

**NOW THEREFORE, IT IS HEREBY RESOLVED THAT:** Rayonier and the Port Angeles Harbor Trustees agree to accept an additional estuarine acre of restoration (or the equivalent) as compensation for injury caused by dioxin/furans in the central harbor area of Port Angeles Harbor, above and beyond the estuarine acres of restoration for compensation agreed to in Resolution No. 6 for injury within the Rayonier Study Area. Resolution No. 6 and this Addendum are intended to document our current understanding of the assessment at the completion of Phase 1, allowing the Trustees to move forward with Phase 2.

By their signatures below, representatives of the Trustees hereby certify that this Resolution (#6) Addendum is accepted for inclusion in the Administrative Record and was adopted in compliance with decision-making procedures adopted by the Trustee Council.

THE WASHINGTON DEPARTMENT OF ECOLOGY

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE LOWER ELWHA KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE PORT GAMBLE S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE JAMESTOWN S'KLALLAM TRIBE

BY: \_\_\_\_\_ ON: \_\_\_\_\_

UNITED STATES FISH AND WILDLIFE SERVICE ON BEHALF OF THE DEPARTMENT OF THE INTERIOR

BY: \_\_\_\_\_ ON: \_\_\_\_\_

THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

BY:  \_\_\_\_\_ ON: 2014-12-11 \_\_\_\_\_