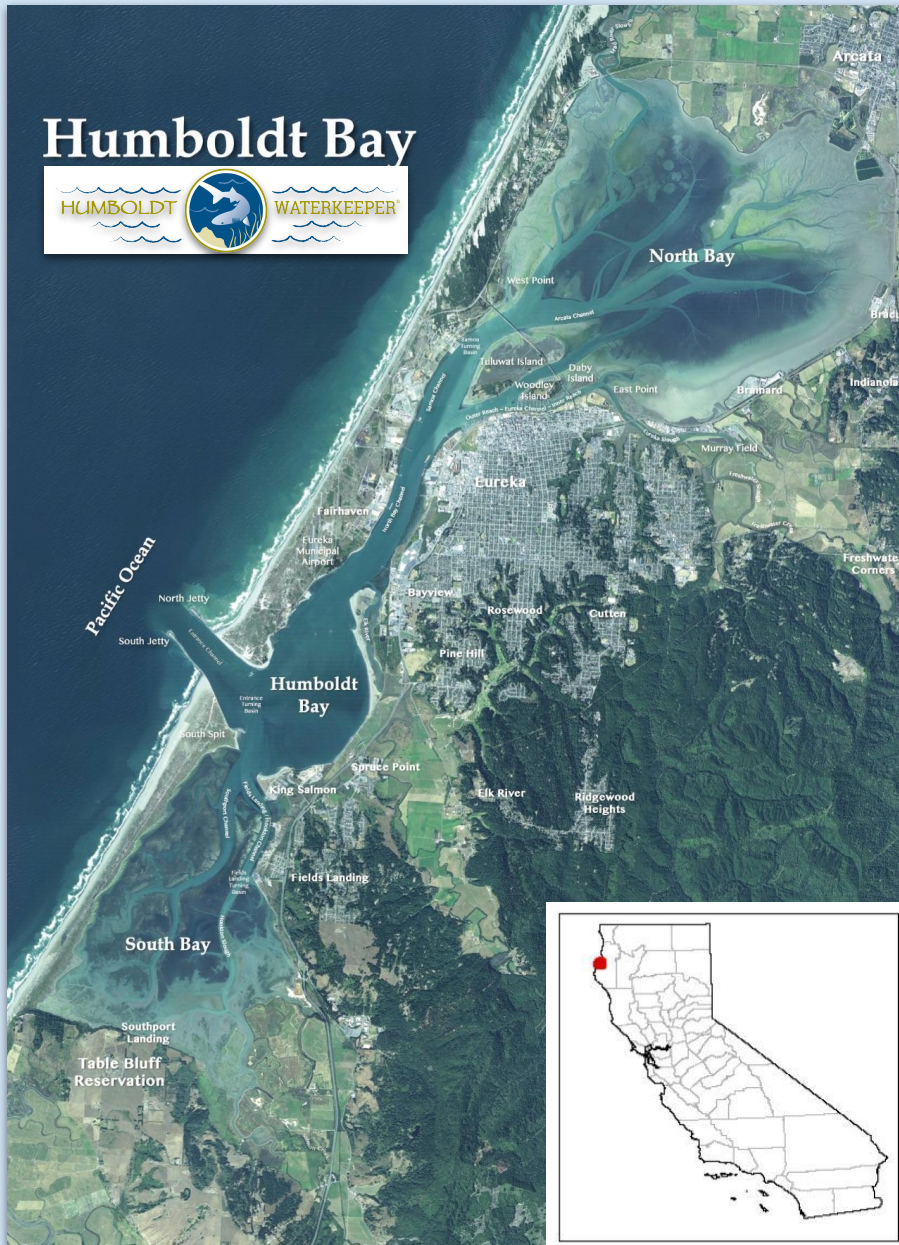




Jennifer Kalt
Executive Director

Humboldt Bay Offshore Wind Heavy Lift Terminal
California Fish & Game Commission
Dec. 11, 2024



Clean Water Act Sec. 303(d) List of Threatened & Impaired Waterways

- Dioxins and Furans
- PCBs



Dioxin Sources

- Agent Orange
- Combustion & Industrial Processes
- **Pentachlorophenol (PCP)**
 - Primary source in Humboldt Bay
 - A wood preservative used from 1940s to late 1980s
 - Widespread use in lumber mills, plywood mills, etc.
 - Contained dioxins and furans

Dioxins

- Some of the most toxic chemicals known
- Extremely persistent in the environment
- Bioaccumulate and magnify up the food chain
- Health effects include cancer, birth defects, and neurological disorders



Legend

-  Known
-  Suspected
-  Potential

- 
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- 
- 
- 
- 



New Navy Base Rd

Vance Ave

New Navy Base Rd

New Navy Base Rd

Vance Ave

R St

R St

Samoa

Tuluwat Island

1st St



Hammond Lumber Mill, Samoa



Shuster Collection, 1947.
Cal Poly Humboldt





Samoa

Legend

-  Known
-  Suspected
-  Potential



Legend

-  Known
-  Suspected
-  Potential
-  Dioxin Data Pts

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Redwood Marine Terminal 1, Samoa



Sediment sampling point



Headline Humboldt: August 4th, 2023



Play (k)

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