



1926

US Navy

Fish Creek Estuary

Human activities have significantly altered the estuary

Natural and Human History (1926 to 2019 Imagery)

1926:

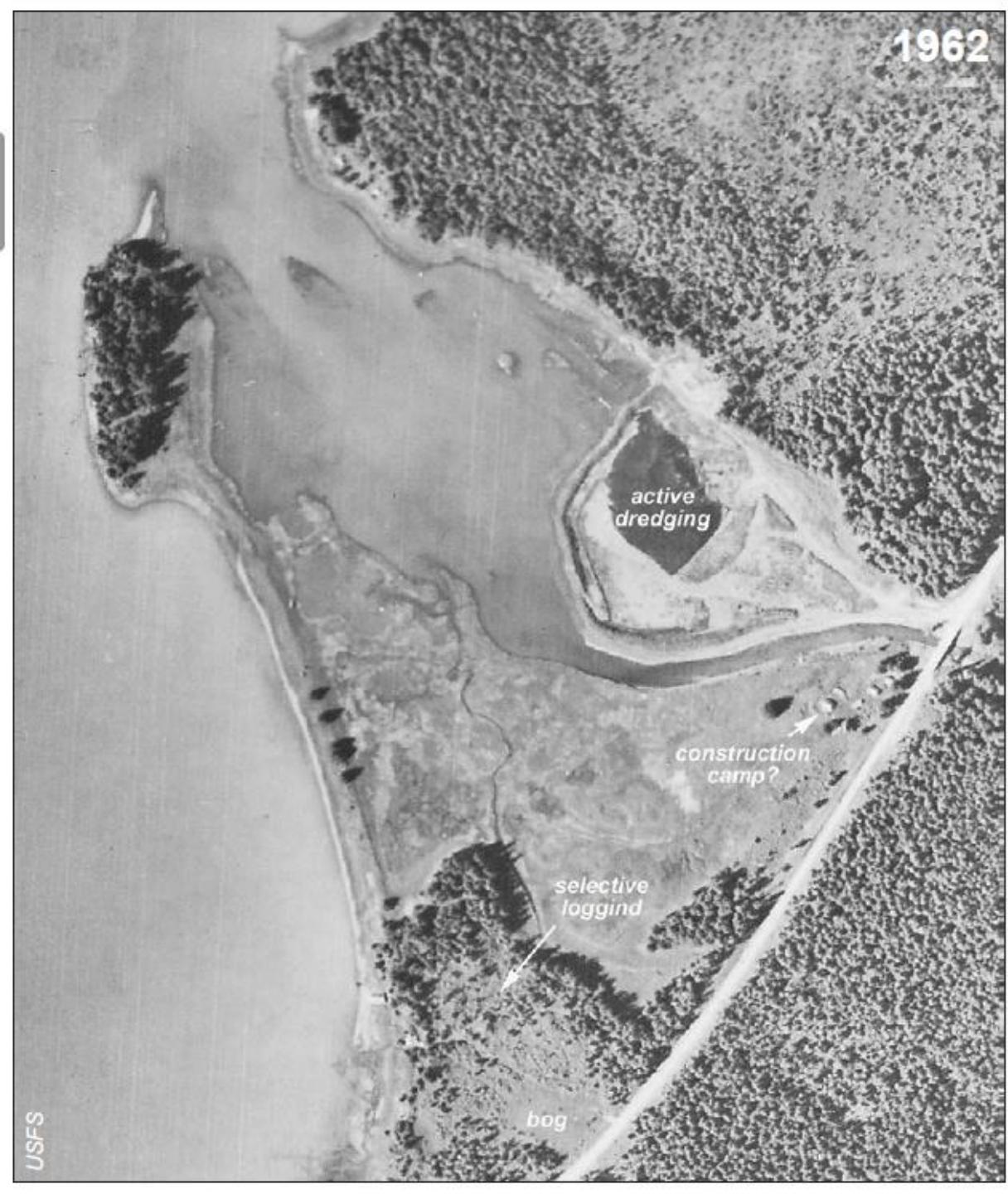
- Estuary is intact, including stream delta
- Delta with multiple active and abandoned channels
- Hydrologic and habitat complexity high



Natural and Human History

1948:

- Estuary is intact, including stream delta
- Delta with multiple active and abandoned channels
- Hydrologic and habitat complexity high

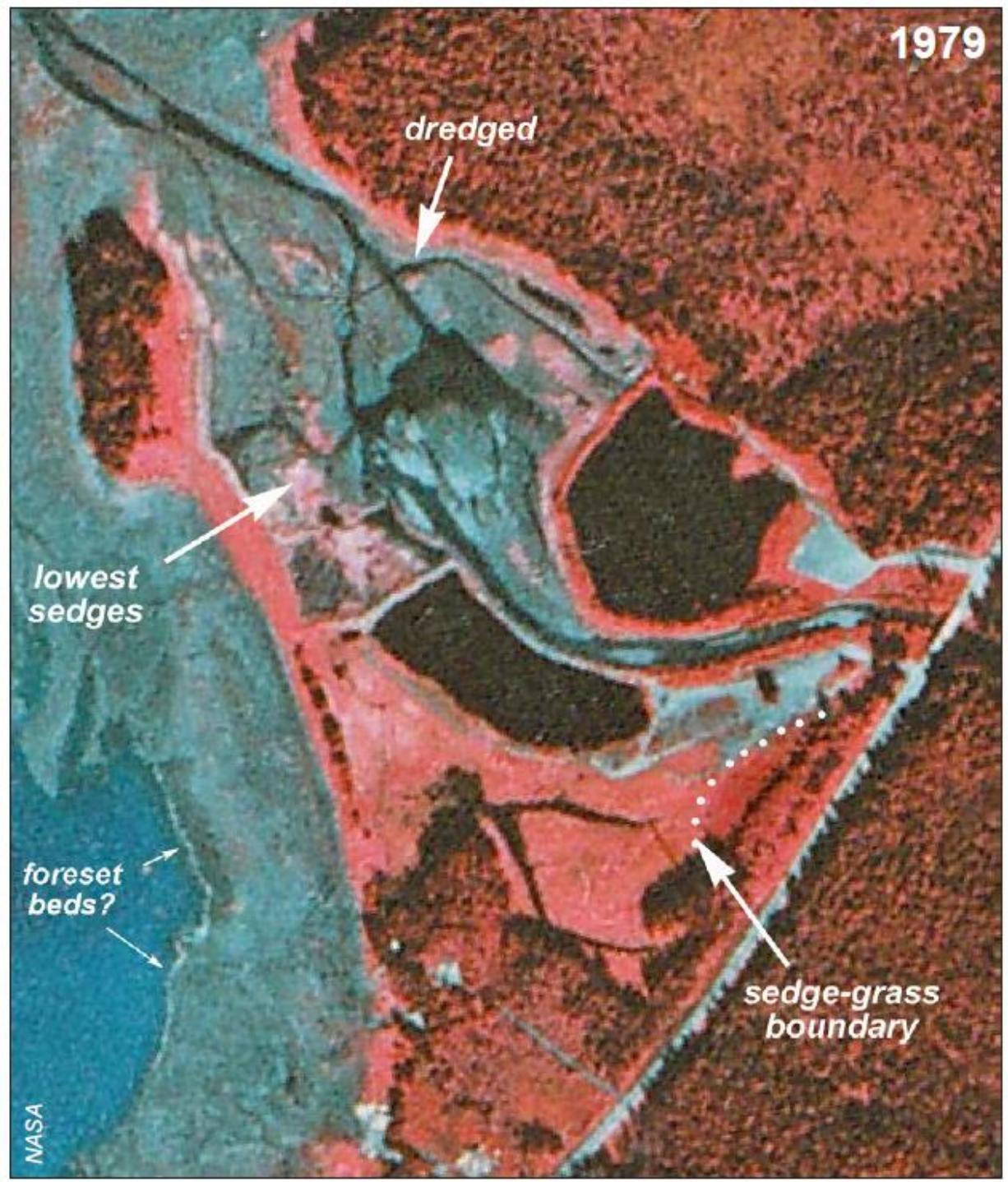
Aerial photograph of a coastal area in 1962. The image shows a mix of natural forested land and human-made features. In the upper center, a dark, irregular area is labeled 'active dredging'. In the lower center, a small, dark cluster of buildings is labeled 'construction camp?'. In the lower left, a dark area is labeled 'selective logging'. In the bottom left corner, the word 'bog' is written. The year '1962' is printed in the top right corner of the image.

1962

Natural and Human History

1962:

- N. Douglas Highway has been constructed
- 13 acres of estuary/meadow lost to gravel mining activities (NE Pond)
- NE dredge pond forming
- Construction camp



Natural and Human History

1979:

- NE and SW dredge ponds are present
- Dikes confine 1,300 feet of stream
- 9 acres of estuary/meadow lost to gravel mining activities (SW Pond)
- Dredging has occurred in the lower estuary



Natural and Human History

1984:

- SW Pond dike intact
- New housing development in Bayview Subdivision



Natural and Human History

2001:

- SW Pond dike is breached
- New houses built in subdivision



2019



1926

U.S. Navy



2019



Natural and Human History

2019:

- Two manmade ponds and a dike-confined stream channel have replaced a large portion of this hydrologically dynamic and habitat diverse estuary.
- These impacts have had consequences for fish, wildlife, and recreation opportunities.
 - Breach doubles in size since 2001
 - More new houses in subdivision

1926

US Navy