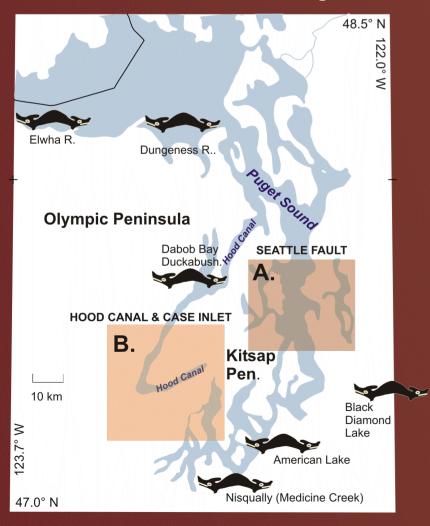
ABSTRACT

Native Americans have resided by Puget Sound for thousands of years and must have witnessed many geological events. They described these events using their own cultural concepts, and incorporated the stories into their oral

Traditions about the A.D. 900 Seattle earthquake, handed down by storytellers for 1,100 years may survive in stories about water-serpents near the Seattle fault. A horned water serpent was said to have its home in Seattle by the shore of Lake Washington, near landslides dated to the A.D. 900 earthquake. Another story, about an earthquake- and landslide-causing horned water-serpent on the eastern shore of Puget Sound in the Fauntleroy neighborhood of West Seattle, is close to a large undated landslide visible in LIDAR images but not easily seen on the ground. Finally, on the west side of Puget Sound, a story about the deepening of Agate Pass (located on the downthrown side of the Seattle Fault) tells of an underwater battle between a water-serpent and a mythic bird, resulting in ground shaking, churning of the waters, and permanent ground level change.

Puget Sound Index Map and a'vahos sites (some correlate with known earthquake locales)



Water-Serpent stories of Puget Sound Natives may refer to the A.D. 900 Seattle Earthquake

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SEATTLE FAULT - Stories correlate with geologic features, including three large landslides, one dated to A.D. 900

AGATE PASS

SERPENT, SHAKING, THUNDER, WATER DISTURBANCE, AND WIDENING Long ago, when this land was new, the area we know as Agate Pass was much smaller nan today. ... There lived in this ... body of water a ... Giant Serpent.

The Double Headed Eagle flew over the pass and the **Giant Serpent** came up very ngry. The two began to fight, and the earth shook and the water boiled... the people began scream and cry until it was as loud as thunder.

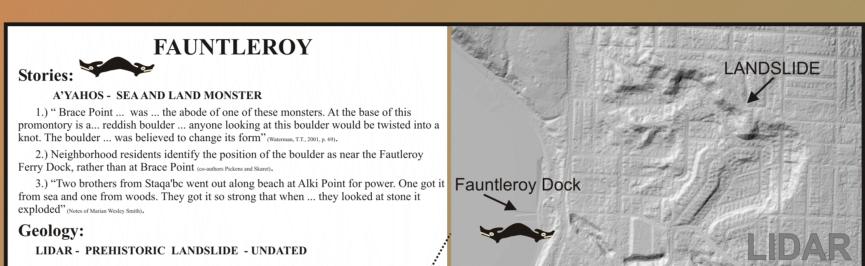
Then, as if the earth was going to be swallowed by the waters, they began to boil and hurn. Then, the Double Headed Eagle exploded out of the water and up into the sky with the body of the **Giant Serpent** in its claws. The Double Headed Eagle flew back into the nountain and behind him was left the wide pass ... (Jefferson, W., 2001, pp. 69-70).

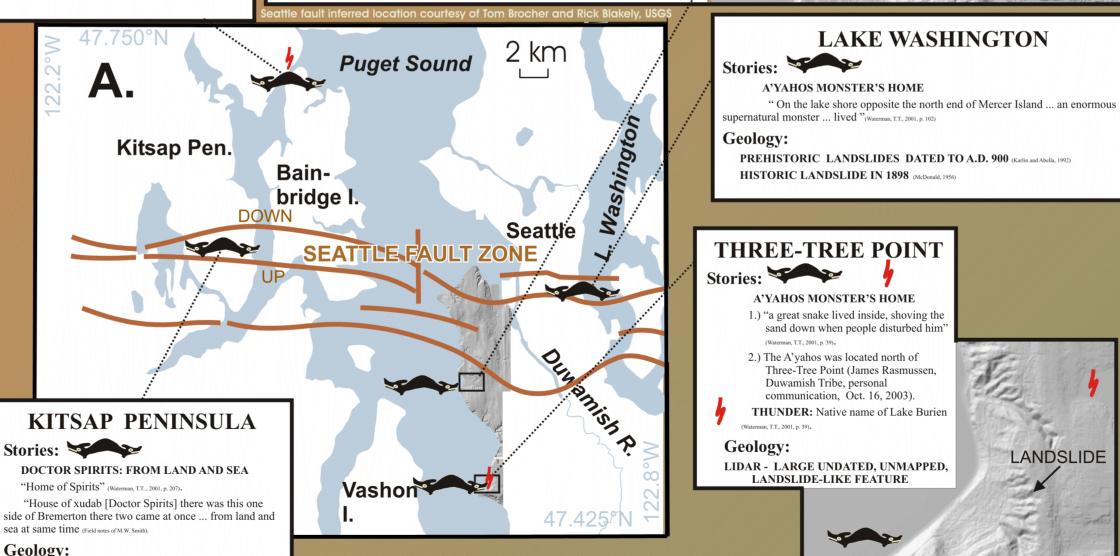
Geology:

"DOWN" SIDE OF SEATTLE FAULT IN AD 900 (down motion minimal)

BETWEEN INFERRED TRACES OF SEATTLE

LIDAR: No features noted.





10/31/03 rludwin@u.washington.edu

HOOD CANAL & CASE INLET

testable hypotheses

CASE INLET

Story: Land opened by force

PLACE NAME: "... the land here was opened

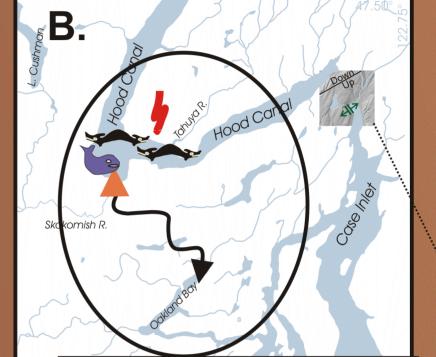
by force, the water entering and making a bay" (T.T. Waternan, 2001)

LIDAR: Lineation, recently trenched by Alan

Nelson, appears to be either a landslide or a

PALEOSEISMOLOGY: Theler Wetland, to the

north, shows evidence of possible uplift - a



BIG BEND OF HOOD CANAL Stories: SHAKING AND BREAKING

then it split in two ... A'yahos was in that rock and he had opened his door for that young man." (Elmendorf, 1993, pp. 200-204) A ROCK CALLED THUNDER - (Elmendorf & Kroeber, 1992, #35, p. 38) A WHALE AND SHAKING IMAGERY - ... they were at a place now called Union City. Whale called as he drew near, "All girls and women under forty do not look this

A'YAHOS STORIES (2) - "that rock moved and shook and

way." While Whale was pulling to shore one young woman who wanted to see looked and as she did so Whale jumped back. This knocked the two men off and they lost their shells. (Palmer, K., 1925)

UPLIFT AT SKOKOMISH MOUTH "... he cursed the ground, and ... the water went away and a great mass of round rose up, half sea half land, and so it is to this day'

REVERSAL OF FLOW OF SKOKOMISH RIVER - "a man in myth times who did not wish the Skokomish River to flow into Oakland Bay ... Put her daughter up the river, and the current carried the daughter about 3 miles toward Shelton, but there she stuck and dammed the stream and made it go where it now runs. The daughter is now a rock in the former channel" (Elmendorf & Kroeber, 1992, #28, p. 37)

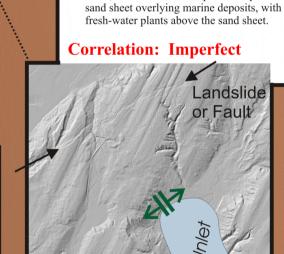
Geology:

NO LIDAR AVAILABLE

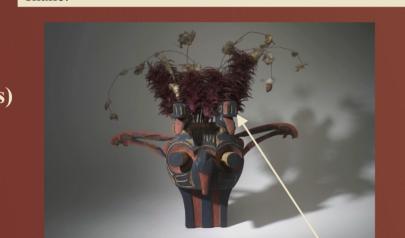
Testable Hypotheses based on stories: Sudden Uplift

Shaking

Change in Skokomish channel



Geology:



A'YAHOS

A'yahos is a "Doctor" spirit power associated with

simultaneously from land and sea, and is malevolent

'At the spot where a'yahos came to a person the very

earth was torn, land slides occurred and the trees

The a'yahos is a shape-shifter, often appearing as an

enormous serpent, sometimes double headed with

the fore-quarters and head of a deer and the tail of a

blazing eyes and horns, or a composite monster having

became twisted and warped. Such spots were

recognizable for years afterward " (M.W. Smith, 1940)

shaking and rushes of turbid water. It comes

dangerous, and possibly fatal to encounter.

Salish mask linked to shaking effects, Two-headed whirlwinds, and thunder. Mask: collection of A

