

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

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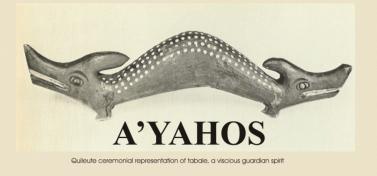


ABSTRACT

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 tradition.

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.

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

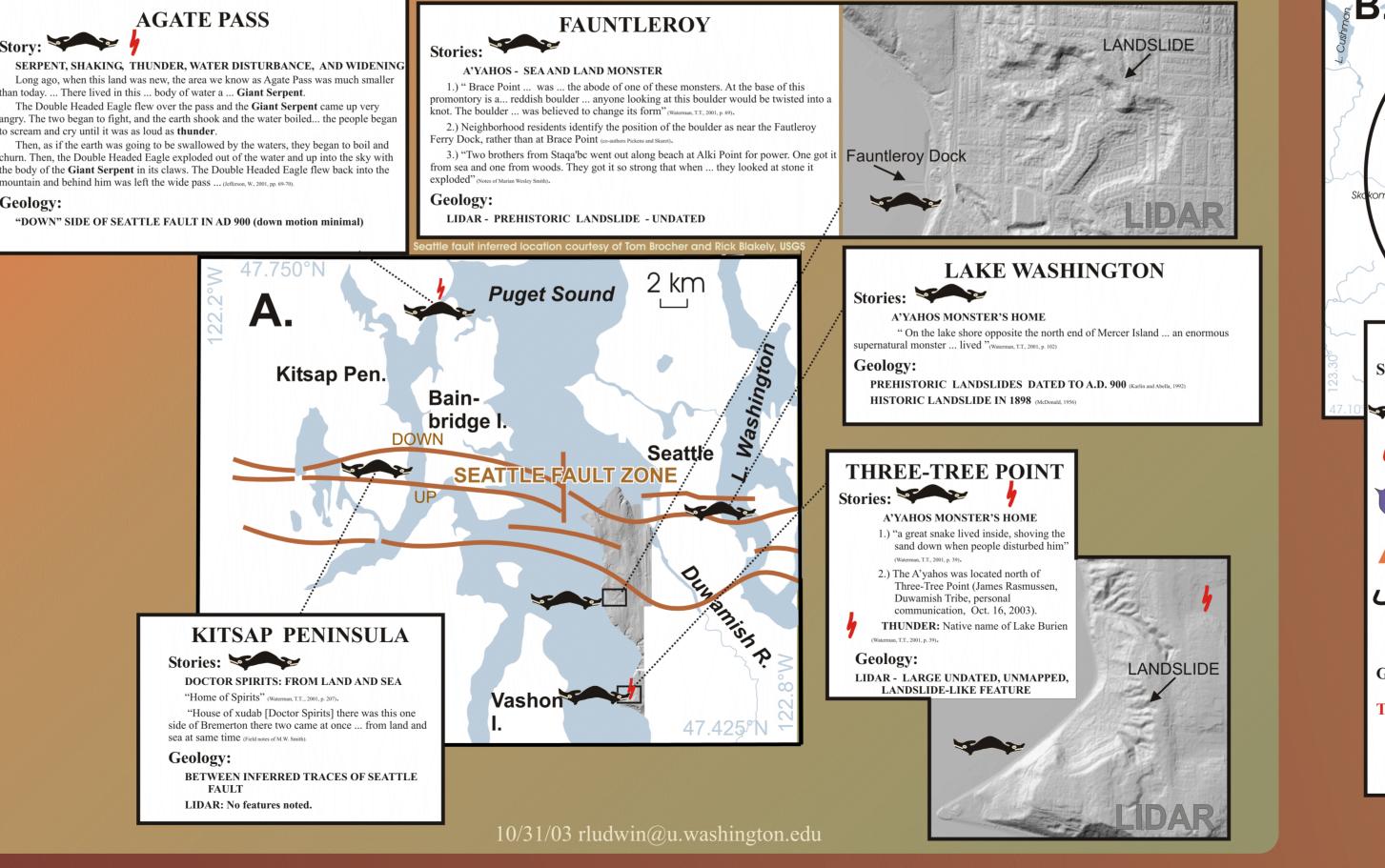


A'yahos is a "Doctor" spirit power associated with shaking and rushes of turbid water. It comes simultaneously from land and sea, and is malevolent dangerous, and possibly fatal to encounter.

'At the spot where a'yahos came to a person the very earth was torn, land slides occurred and the trees became twisted and warped. Such spots were recognizable for years afterward "(M.W. Smith, 1940)

The a'yahos is a shape-shifter, often appearing as an enormous serpent, sometimes double headed with blazing eyes and horns, or a composite monster having the fore-quarters and head of a deer and the tail of a snake

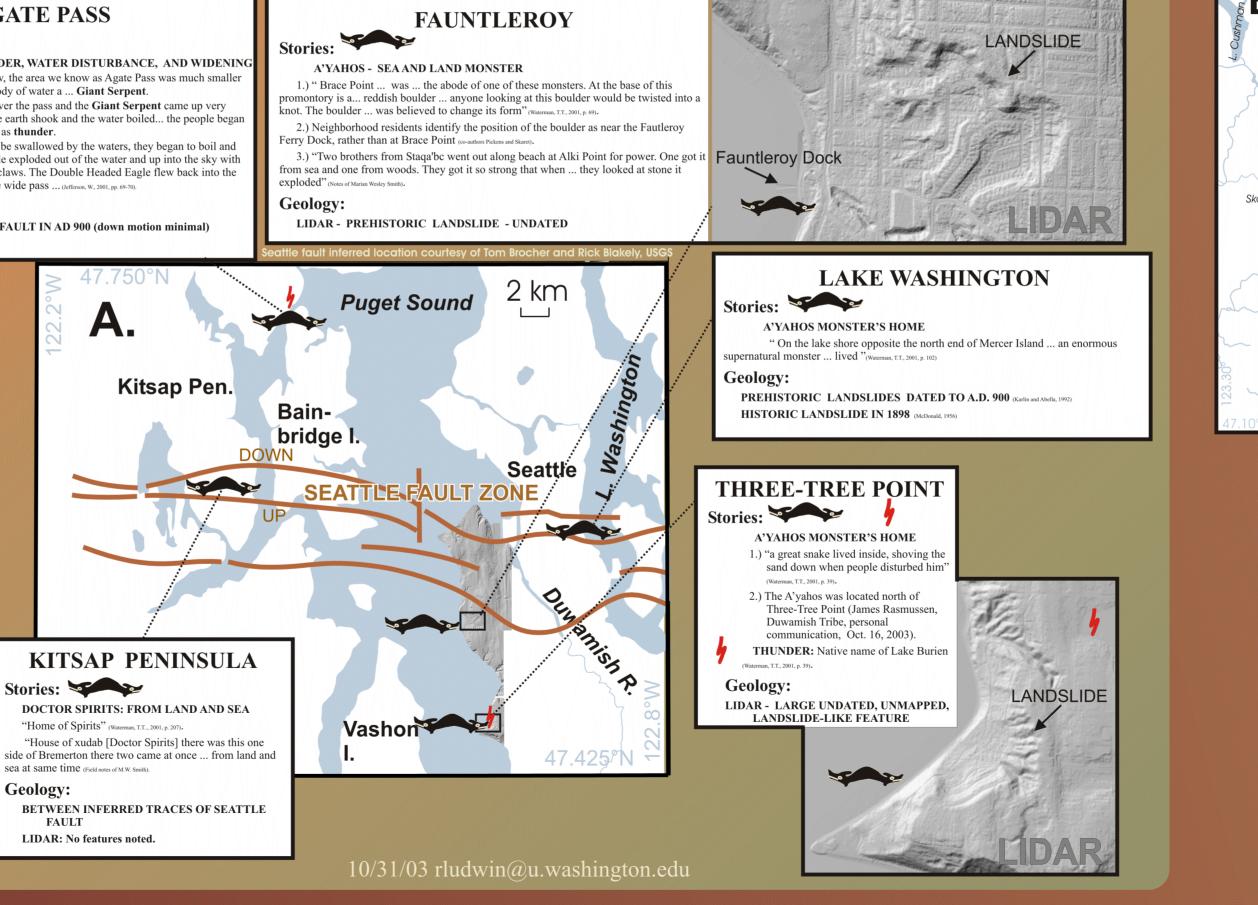




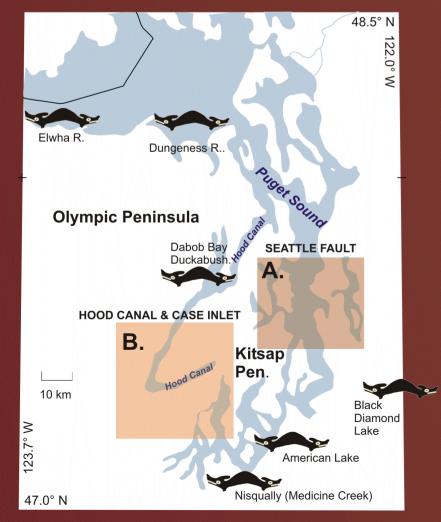
han today. ... There lived in this ... body of water a ... Giant Serpent. scream and cry until it was as loud as thunder.

nountain and behind him was left the wide pass ... (Jefferson, W., 2001, pp. 69-70).

Geology:



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



Salish mask linked to shaking effects, Two-headed

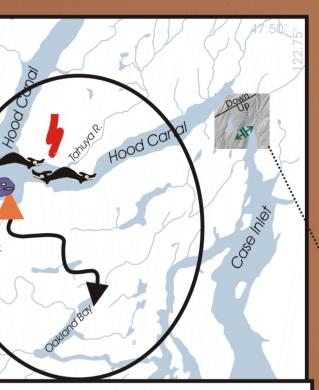




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SEATTLE FAULT - Stories correlate with geologic features, including three large

HOOD CANAL & CASE INLET



BIG BEND OF HOOD CANAL Stories:SHAKING AND BREAKING

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

testable hypotheses



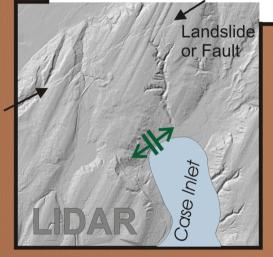
Story: Land opened by force

PLACE NAME: "... the land here was opened by force, the water entering and making a bay" (T.T. Waternan, 2001)

Geology:

- LIDAR: Lineation, recently trenched by Alan Nelson, appears to be either a landslide or a fault scarp
- PALEOSEISMOLOGY: Theler Wetland, to the north, shows evidence of possible uplift - a sand sheet overlying marine deposits, with fresh-water plants above the sand sheet.

Correlation: Imperfect



REFERENCES