Deep beneath Seattle, a 6.7 'silent quake' nobody felt
Global Positioning System 'blip' leads scientists to discovery

Friday, April 20, 2001

By TOM PAULSON
SEATTLE POST-INTELLIGENCER REPORTER

SAN FRANCISCO – In August 1999, a 6.7-magnitude "silent earthquake" started deep beneath Seattle and moved north into Vancouver Island over the next 35 days.

"It was equivalent in energy to the Nisqually quake," said Herb Dragert, a scientist with the Geological Survey of Canada in Sidney, B.C.

Lori Dengler
Humboldt State University
March 14, 1995

How region might suffer in giant quake

By David Amerson

EUREKA — Residents, power plants, power grids and water lines will sway and break everything around them. Thousands of lives will be lost and billions of dollars of property damaged.

The Big One, the major earthquake feared by most residents of California, is coming. The question is, when and where? And how big is it going to be?

The region will be hit hard by a major earthquake that could cause billions of dollars in damage and kill thousands of people. The region's infrastructure, including its power grid, will be severely impacted.

The region is at risk of a major earthquake that could cause billions of dollars in damage and kill thousands of people. The region's infrastructure, including its power grid, will be severely impacted.

March 15, 1995

8.4 quake threat to roads severe

By Tim H. Nelson

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8.4 quake endangers property, not lives

By Michael Corbett
For The Union

About 15 minutes after the Garibaldi interface rips along its 150-mile length offshore, a wall of water approximately 30 feet high will wash over the SanEMS Peninsula, across the harbor, and flood surrounding waterfronts in one to two feet of water.

The 2,000 to 3,000 residents of Manzanita, Pacifica, and Samso will have only one clear warning of the impending tidal wave — the severe and prolonged ground shaking of one minute or more that characterizes a great subduction zone earthquake.

With road access to both Eureka and Arcata cut off by ground movement, emergency planning officials are hard pressed to propose any solution to such a problem — one of the many recognized now as part of a likely scenario in the future of Humboldt County.

“This is not science fiction. It is real,” said state geologist James Davis during an earthquake scenario presentation last week in the North Bay County Board of

‘Big One’ would wreak havoc

The giant quakes are as rare that a for a multitude of American Indian legends, none has ever occurred in the 150 years of written history on the North Coast.

Research at Humboldt State University by Professor Gary Carver indicates that five such giant

Fear of tiny organism could spur costly Humboldt water project/A3

Appeals court backs Yurok tribe in Short timber revenue battle/A5

March 16, 1995
**Earthquake**

Both city and county officials believe state did a shoddy job during disaster study

By Mike McCormick-Date

Topical staff writer

Fortunes of a state study regarding local vulnerability to earthquakes is aayed, local officials say.

And the Board of Supervisors are so bothered by what a failure was the unprofessional handling of the report a letter of complaint is being

Del Norte County and Crescent City representatives said they plan to use the information in their study, which was presented by state officials Monday night, to prepare for a damaging earthquake and accompanying damage.

But they are upset the meeting was the first time they saw the report, even though it had been worked on at the state level for those years at a cost of approximately $500,000.

Supervisor Clyde Eiler, County Administrative Officer, Robert Holden and Comm-

ity Development Director Robert Perry said they were handed the finished report two hours before it was presented to the public and their questions about it were not answered.

"He wasn't prepared and we weren't supposed to ask questions," Perry said about the state geologist heading the project. He refused to give his name or title.

Crescent City Manager Steve Casey said he was upset the state had information about local safety problems that were not relayed to the public.

"It is protocol if a state has information about health and safety of residents that should be relayed to agencies in that area," Casey said.

For example, at the Waste Treatment Plant, the study pointed to "unashed chlorine pots which could break and soil, creating a dangerous chlorine gas cloud, requiring the evacuation of nearby areas."

"If they relayed that to us, we would have corrected it then," said Casey, who added the city will address the problem.

Perry is a report to the

Del Norte County Board of Supervisors, pointed out several other problems.

"The good news is that McNamara Field would remain essentially intact," Perry said. The report also said the roads are too low to escape the area.

But they are now looking at options for sites that are closer to the coast.

The first option would be to tear down the old site, the second option would be to tear down the old site and build a new one at another location.

"We could be up to 1,500 feet high on the site list is a priority," said Perry. "We need to be able to take care of ourselves for a period of time."
March 25, 1995

Education Efforts

- Print material
- PSAs
- Redwood Coast Tsunami Work Group
- EQ – Tsunami Room at County Fairs
- Tsunami Curriculum & teacher workshops
- Community talks and workshops
- Relative tsunami hazard maps
Assessment

Preparedness Actions Taken

- House bolted to foundation
- Latches on kitchen cupboards
- Out-of-the-area contact
- Wood stove secured
- Water heater secured to wall
- 3 days food/water

Percent Yes

- Nov. 06
- Apr. 01
- Jan. 96
- Mar. 95
- Nov. 93
- Apr. 93
Tsunami Awareness

- Knows what Cascadia S.Z. is
- Not safe after 1st wave retreats
- Tsunami can arrive minutes after EQ
- Knows what tsunami is

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Opinions

- Government responsible
- People in affected area responsible
- Had talked about earthquakes
- Damaging EQ likely in 10 years

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Information

- EQ Room at Fair
- Has received information
- Had seen "On Shaky Ground"
- Attended talk or workshop
- Sought information on EQs

Percent Yes

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- Jan. 96
- Mar. 95
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