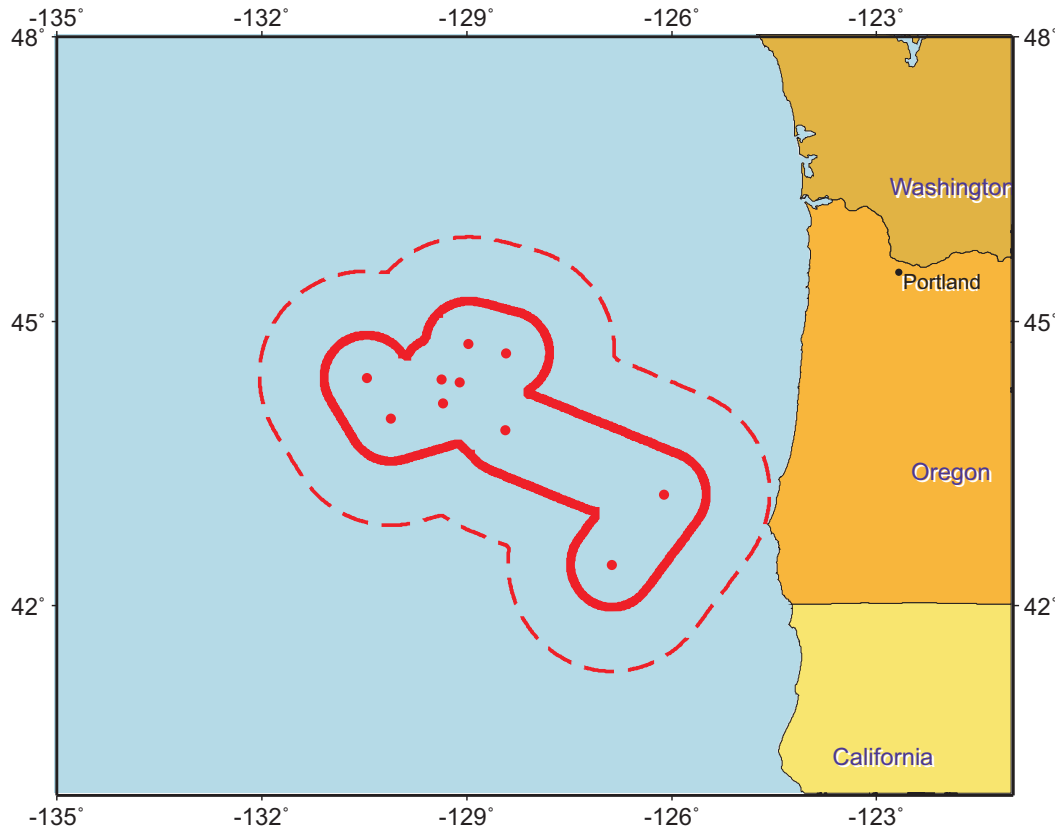


Experiment in prospective earthquake prediction using Reverse Tracing of Precursors (RTP) Prediction #16, April 22, 2008



Red circles show the earthquakes that formed precursory chain on April 14, 2008. Area of alarm is shown by red contours: solid line test A, dashed line test B.

Starting from October 1, 2005 we test in parallel two versions of the prediction algorithm. Test A concerns exactly the same algorithm as before. In test B we made one change: we increased by factor 2.5 the value of the numerical parameter, R , thus expanding the area of alarm.

An earthquake with magnitude $M_{ANSS} \geq 6.4$ is predicted to occur within the time interval 9 months, from April 14, 2008, to January 14, 2009 in the area shown by red lines in the figure: solid line shows the area of alarm in test A, dashed line in test B.

Estimated probability that a target earthquake will occur by chance in the time-area of alarms #12 is less than 1% in both test A and test B. Estimated probability of a false alarm does not exceed 50% in both tests.

Reminder. As you know, earthquake predictions should be released to the public or media only by a proper disaster management authority. Otherwise, prediction may trigger profiteering and disruptive anxiety of population. Accordingly, we open an access to our predictions only to professionals who agreed to comply with the above limitation. This restriction is lifted and prediction becomes publicly available when a target earthquake occurs in the area of alarm, or when the alarm expires, independently of was it correct or wrong.