

## Expert Field Team: Tsunami Science

### Situation Report: Daily Summary 5/13/14 18:00

#### **Summary: 30 new incidents have been reported: Total incidents: 70**

Following the earthquake and tsunami and our field team members assessed their personal safety and ability to participate, our field teams responded to the SOC activation by collecting observations in seven regions: Loleta, Eureka, Crescent City, Trinidad, McKinleyville, Manila, and Field's Landing, CA. Field teams created incidents and uploaded photos to the EQCH and SpotOnResponse. Field teams used the tsunami field notes form to submit contextual information related to their observations.

Communication streams have been established between the field team coordinators and the subject matter expert field team members in Crescent City, Trinidad, McKinleyville, Manila, and Field's Landing, CA. Also, field team coordinators have established communications streams with the local OES, Harbor Managers in Crescent City, Noyo Harbor, and Humboldt Bay.

#### **Detail:**

##### Loleta:

- Tsunami Run up flotsam has been documented to reach the foundation of the Loleta cheese store. Luckily, all the cheese is safe.

##### Eureka:

- The waste water treatment facility has been eroded into and the ponds on the western most area are free flowing into the bay.
- The Chevron Dock has partly washed away and three of the large oil tanks have washed into the parking lot south of the Bayshore Mall.
- Flotsam based tsunami run-up elevation observations have been made in 15 locations surrounding the Bay
- Digital camera observations (from Fort Humboldt) of the USCG station show that the main building has washed off its foundation.

##### Crescent City:

- 32 buildings have moved off of their foundations in the CC region
- 42 buildings have evidence of erosion near their foundations in the CC region
- Coyote Creek has widened to over 50 meters wide at the intersection of HWY 101, the HWY 101 bridge is gone and not observable in the local area.
- Flotsam based tsunami run-up elevation observations have been made in the downtown area, the pebble beach area, and at the Pt. St. George lighthouse / airport region

- About 500 m of HWY 101 south of CC has eroded away, just south of the southernmost motel (which is also now on the east side of HWY 101)

Trinidad:

- Flotsam based tsunami run-up elevation estimates have been observed
- Sea cliff erosion has been observed in several locations where 3 houses may have a stability hazard
- Some boats were thrown up onto the marine terrace above the dock/harbor area

McKinleyville:

- Erosion near the footings of the HWY 101 bridge over the Mad River has been observed as part of an incident. Photos and a tsunami field report were prepared. An erosional gully about 3 meters wide has formed on the southern side of the southernmost supporting column for the southbound lanes bridge. The depth of the gully is not observable from the western side of the river and the width estimate is made from the northern bank of the river (so has some uncertainty).

Manila:

- More tsunami flotsam based tsunami run-up elevation observations have been made.

Field's Landing:

- More tsunami flotsam based tsunami run-up elevation observations have been made.

**Event Chronology:**

Day/Time      Action

5/12 08:20