

TSUNAMI BULLETIN NUMBER 001
PACIFIC TSUNAMI WARNING CENTER/NOAA/NWS
ISSUED AT 0646Z 27 FEB 2010

THIS BULLETIN APPLIES TO AREAS WITHIN AND BORDERING THE PACIFIC OCEAN AND ADJACENT SEAS...EXCEPT ALASKA...BRITISH COLUMBIA... WASHINGTON...OREGON AND CALIFORNIA.

... A TSUNAMI WARNING AND WATCH ARE IN EFFECT ...

A TSUNAMI WARNING IS IN EFFECT FOR

CHILE / PERU

A TSUNAMI WATCH IS IN EFFECT FOR

ECUADOR

FOR ALL OTHER AREAS COVERED BY THIS BULLETIN... IT IS FOR INFORMATION ONLY AT THIS TIME.

THIS BULLETIN IS ISSUED AS ADVICE TO GOVERNMENT AGENCIES. ONLY NATIONAL AND LOCAL GOVERNMENT AGENCIES HAVE THE AUTHORITY TO MAKE DECISIONS REGARDING THE OFFICIAL STATE OF ALERT IN THEIR AREA AND ANY ACTIONS TO BE TAKEN IN RESPONSE.

AN EARTHQUAKE HAS OCCURRED WITH THESE PRELIMINARY PARAMETERS

ORIGIN TIME - 0634Z 27 FEB 2010
COORDINATES - 34.1 SOUTH 72.6 WEST
DEPTH - 55 KM
LOCATION - NEAR COAST OF CENTRAL CHILE
MAGNITUDE - 8.5

EVALUATION

IT IS NOT KNOWN THAT A TSUNAMI WAS GENERATED. THIS WARNING IS BASED ONLY ON THE EARTHQUAKE EVALUATION. AN EARTHQUAKE OF THIS SIZE HAS THE POTENTIAL TO GENERATE A DESTRUCTIVE TSUNAMI THAT CAN STRIKE COASTLINES NEAR THE EPICENTER WITHIN MINUTES AND MORE DISTANT COASTLINES WITHIN HOURS. AUTHORITIES SHOULD TAKE APPROPRIATE ACTION IN RESPONSE TO THIS POSSIBILITY. THIS CENTER WILL MONITOR SEA LEVEL DATA FROM GAUGES NEAR THE EARTHQUAKE TO DETERMINE IF A TSUNAMI WAS GENERATED AND ESTIMATE THE SEVERITY OF THE THREAT.

ESTIMATED INITIAL TSUNAMI WAVE ARRIVAL TIMES AT FORECAST POINTS WITHIN THE WARNING AND WATCH AREAS ARE GIVEN BELOW. ACTUAL ARRIVAL TIMES MAY DIFFER AND THE INITIAL WAVE MAY NOT BE THE LARGEST. A TSUNAMI IS A SERIES OF WAVES AND THE TIME BETWEEN SUCCESSIVE WAVES CAN BE FIVE MINUTES TO ONE HOUR.

LOCATION	FORECAST POINT	COORDINATES	ARRIVAL TIME
CHILE	TALCAHUANO	36.7S 73.1W	0729Z 27 FEB
	VALPARAISO	33.0S 71.6W	0739Z 27 FEB
	COQUIMBO	29.9S 71.3W	0801Z 27 FEB
	CORRAL	39.8S 73.5W	0810Z 27 FEB
	CALDERA	37.1S 70.8W	0821Z 27 FEB
	ANTOFAGASTA	23.3S 70.4W	0844Z 27 FEB
	IQUIQUE	29.2S 79.1W	0911Z 27 FEB
	ARICA	18.5S 70.3W	0929Z 27 FEB
	GOLFO DE PENAS	47.1S 74.9W	0934Z 27 FEB
	PUERTO MONTT	41.5S 73.0W	1052Z 27 FEB
	EASTER IS.	27.1S 109.4W	1205Z 27 FEB
	PUNTA ARENAS	53.2S 70.9W	1213Z 27 FEB
	PERU	MOLLENO	17.1S 72.0W
SAN JUAN		15.3S 75.2W	0952Z 27 FEB
LA PUNTA		12.1S 77.2W	1045Z 27 FEB
PIMENTAL		6.9S 80.0W	1114Z 27 FEB
TALARA		4.6S 81.5W	1127Z 27 FEB
ECUADOR	CHIMBOTE	9.0S 78.8W	1132Z 27 FEB
	LA LIBERTAD	2.2S 81.2W	1202Z 27 FEB
	ESMERELDAS	1.2S 79.8W	1234Z 27 FEB

BULLETINS WILL BE ISSUED HOURLY OR SOONER IF CONDITIONS WARRANT. THE TSUNAMI WARNING AND WATCH WILL REMAIN IN EFFECT UNTIL FURTHER NOTICE.

THE WEST COAST/ALASKA TSUNAMI WARNING CENTER WILL ISSUE PRODUCTS FOR ALASKA...BRITISH COLUMBIA...WASHINGTON...OREGON...CALIFORNIA.