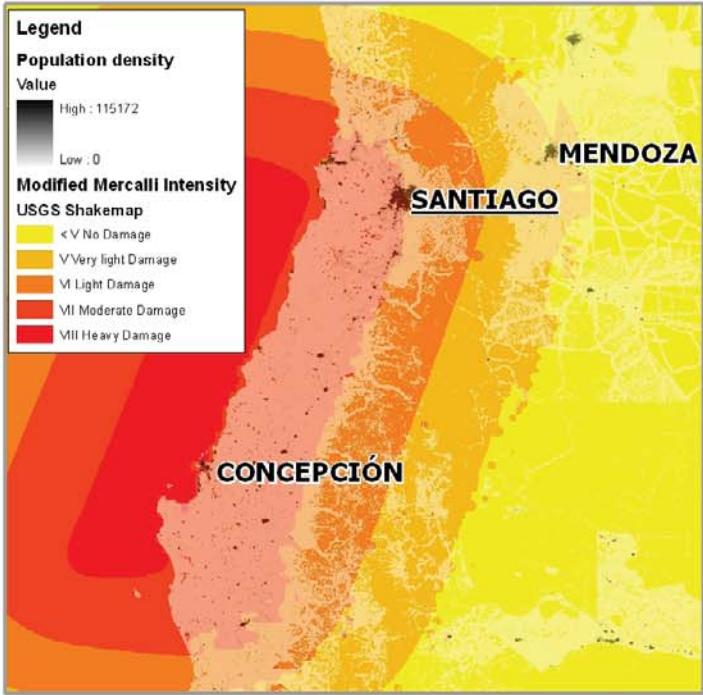


Estimation of tsunami impact for Chile earthquake M8.8

27/02/2010 06:34 AM UTC

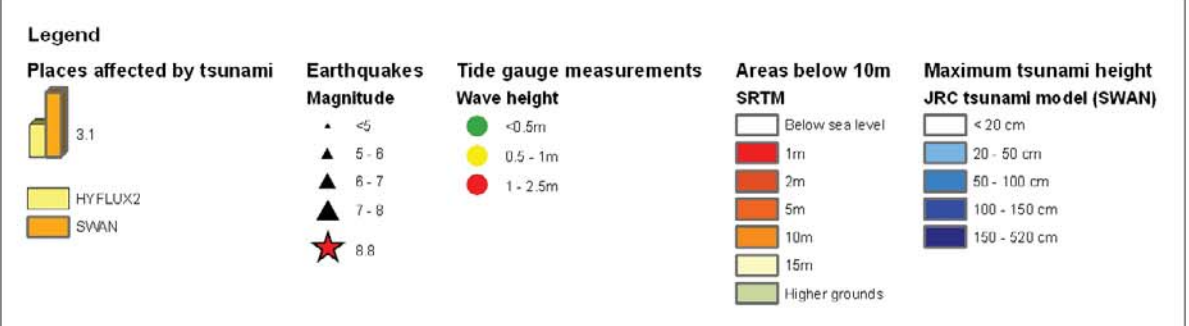
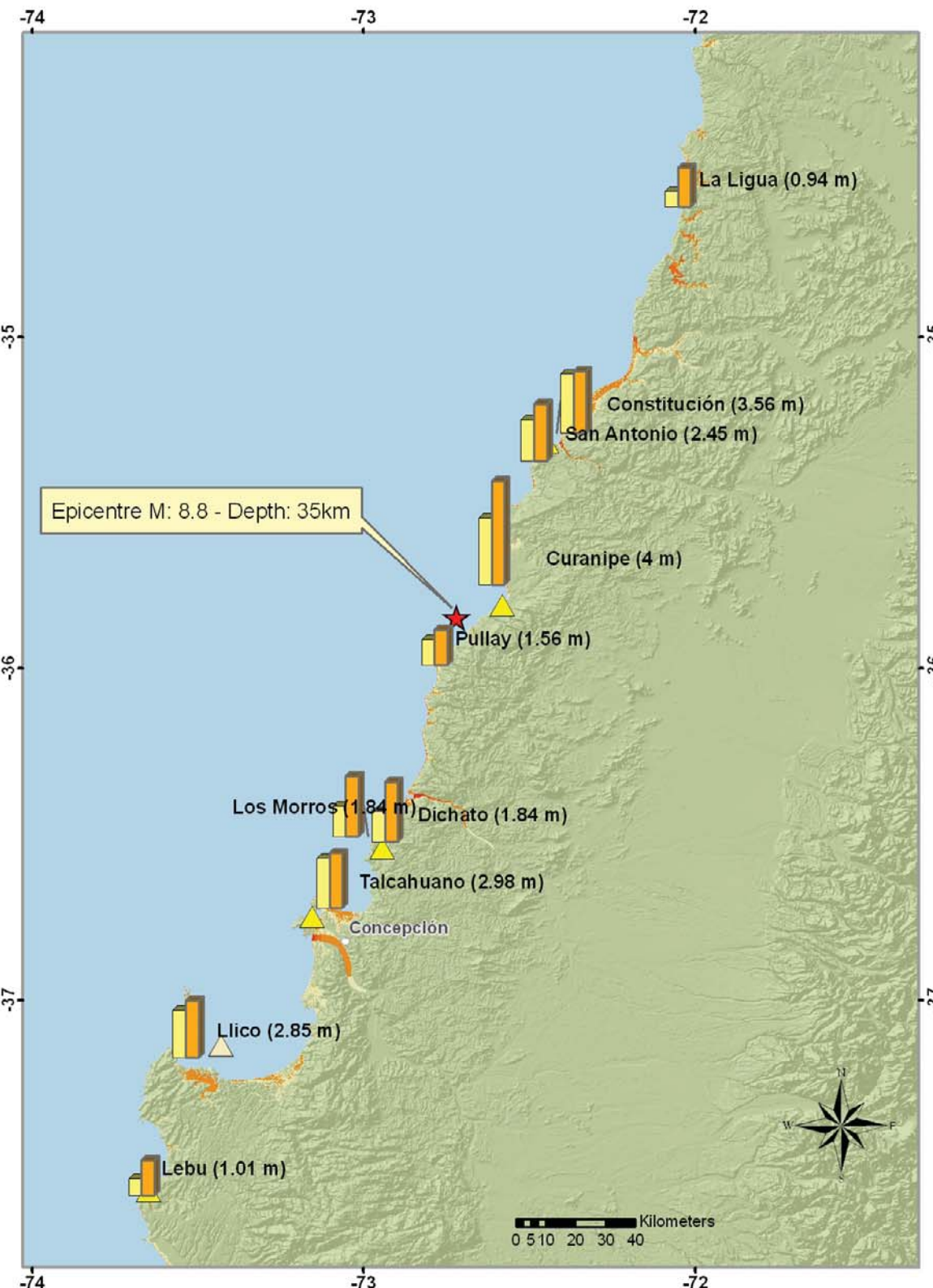
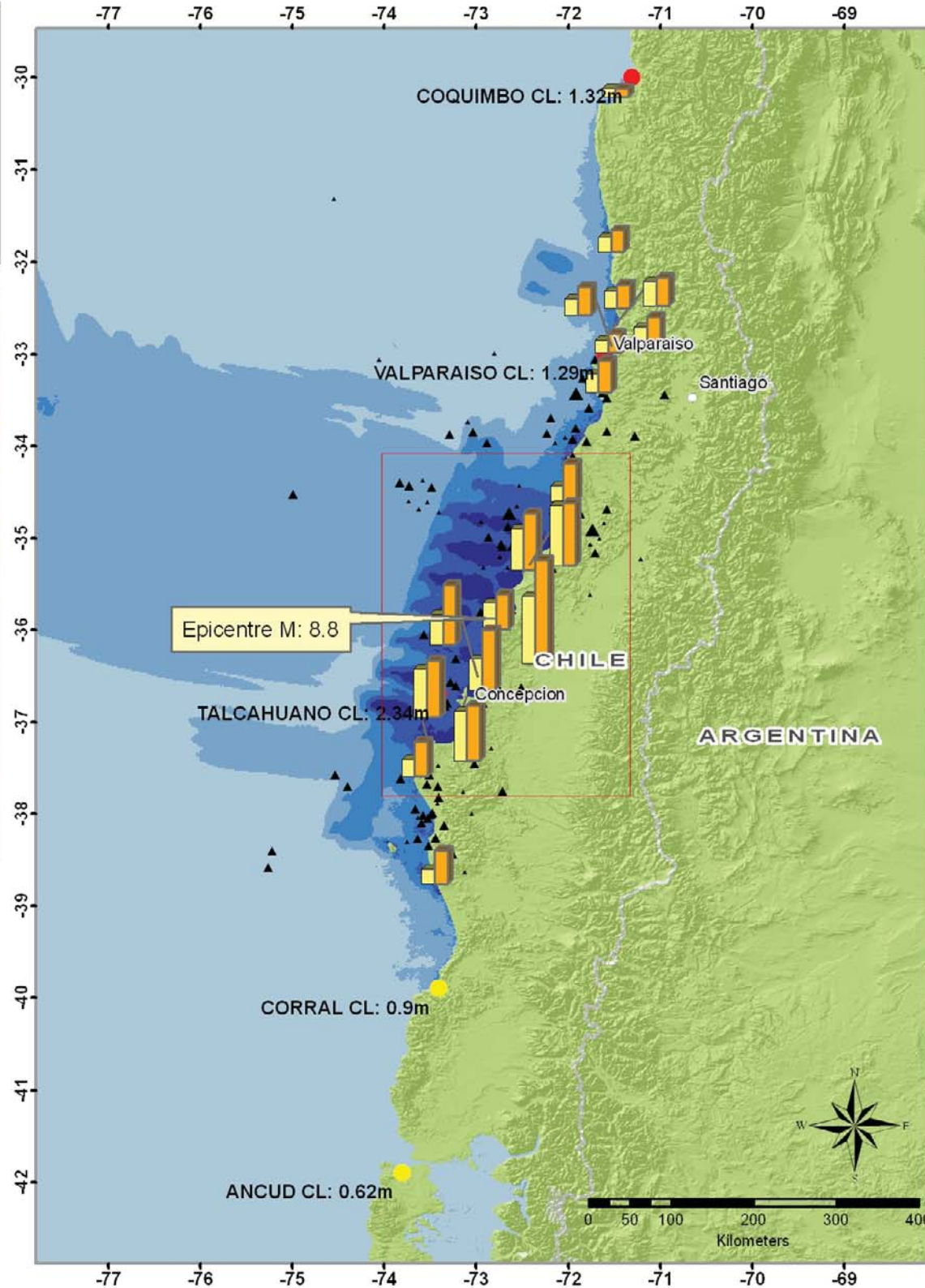


Map Information
 The map shows the areas affected by the earthquake and the tsunami. The maximum modelled tsunami wave height (blue shades in the ocean) indicates the areas along the coast where the tsunami hit most. Bars show the calculated tsunami height with two different JRC codes (SWAN and HYFLUX2). Tidal gauge measurements are indicated (red, yellow, green dots), confirming the modelled heights.

The second map shows the low areas along the Chilean coast (from SRTM data), and points identified by the JRC tsunami run-up model as being flooded by the tsunami. For some points, confirmation was found in media reports.

The inset map shows the Modified Mercalli Intensity (related to damage) overlaid on a population density map.

Spatial Reference: GCS- WGS 1984
Map Scale: 1:15 000 000 / 1:2 000 000
Map created: 27/02/2010 16:00 UTC (update)
Background Data: Digital Map Archive



GDACS Situation Report

On 2/27/2010 6:34:17 AM UTC an earthquake of magnitude 8.8 and depth 35 km has struck an moderately populated area in the Bio-Bio Province (population: 1.7 million) in Chile. GDACS estimates the likelihood for need of international humanitarian intervention to be high (Red alert).

[GLIDE](#) No. TS-2010-000035-CHL and EQ-2010-000034-CHL

A joint initiative of the United Nations and the European Commission

The Global Disaster Alert and Coordination System provides near real-time alerts about natural disasters around the world and tools to facilitate response coordination, including media monitoring, map catalogues and Virtual On-Site Operations Coordination Centre.

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