



# NATIONAL DISASTER COUNCIL



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## 6 FEBRUARY TEMOTU EARTHQUAKE AND TSUNAMI JOINT SI NEOC AND PEOC SITUATION REPORT NUMBER 07

<b>Event</b>	8.0 Earthquake and tsunami near Santa Cruz Islands, Temotu Province.
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**SITREP No. 07**

**Date:** 16/02/2013

**Time Issued:** 1330 Hrs

**Next Update:** 1500 Hrs, 17/02/2013

**From:** NEOC/PEOC/NDMO

**To:** N-DOC & NDC Chairs and Members, P-DOC  
and PDC Chairs and Members, PEOCs

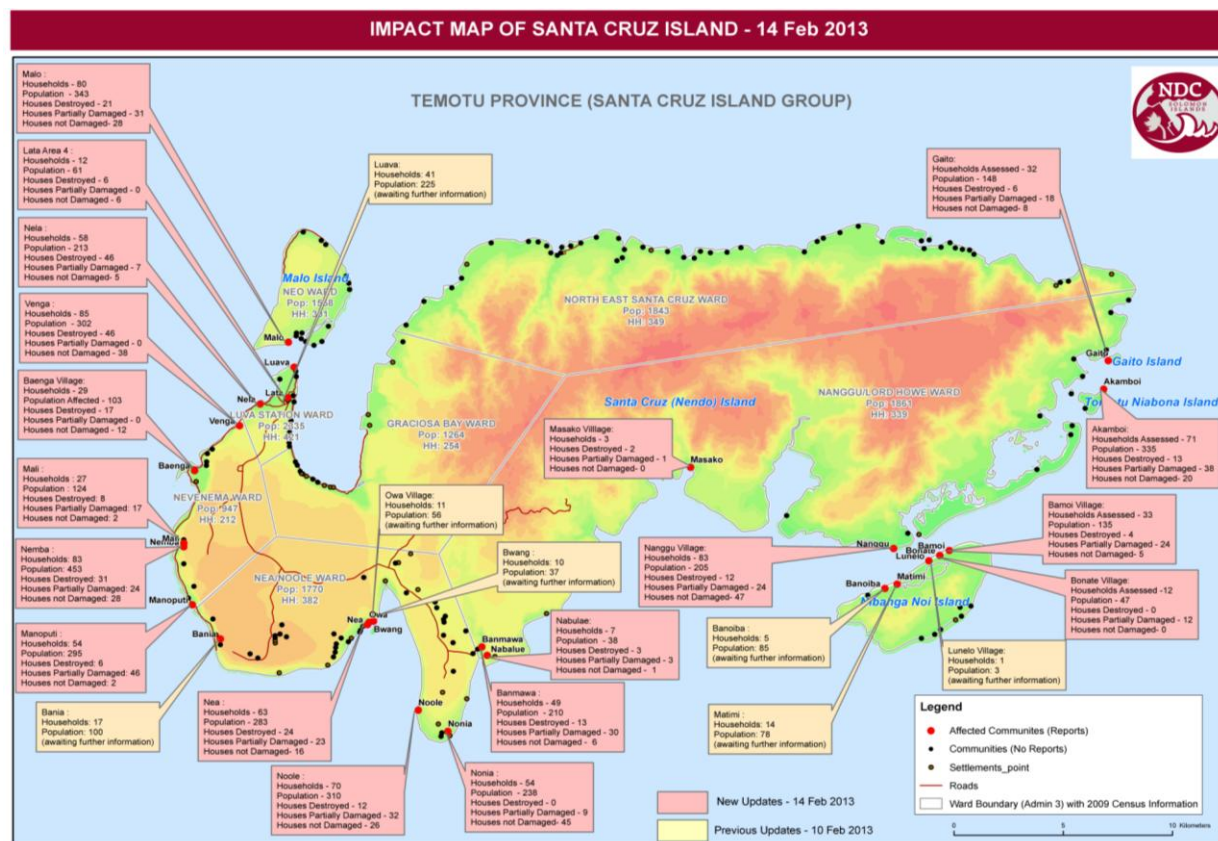
**Copies:** NDMO Stakeholders, Donor Partners,  
Local & International NGOs, UN Agencies,  
Diplomatic Agencies, SIRPF, SIRC and SI  
Government Ministries and all SI Government  
Overseas Missions

### Situation

At 12.12pm Wednesday 6<sup>th</sup> February, 2013 a 8.0 magnitude undersea earthquake occurred 33km West-Southwest of the Santa Cruz Islands and generated a destructive tsunami. At 12.23pm the SI Meteorological Service issued a tsunami warning for 5 provinces in Solomon Islands; Temotu, Malaita, Makira-Ulawa, Central and Guadalcanal. By 1.18pm the threat to the 5 Provinces had been assessed and for Guadalcanal and Temotu this was downgraded to watch status. The tsunami warning remained in effect for Temotu, Makira-Ulawa and Malaita Provinces until 5pm. 91 aftershocks measuring larger than Magnitude 5 have occurred in the week following the initial event; including four larger than Magnitude 7.

## Areas Affected

Coastal villages on Santa Cruz, Malo and Nibanga Noi (The Santa Cruz Islands)



## Status (Updated Information in Red)

### 1. Geo Hazard Advisors

- The team was deployed to Nea village to collect geological data regarding the impacts of the earthquake and tsunami and did awareness to the community regarding what has happen during and the aftermath of the earthquake and assured the community of not to be frightened as this is normal for this kind of activities.

### 2. Royal Solomon Islands Police Force Security:

- An additional 6 Police Response Team personnel arrived in Lata (14/02) and 5 more will be sent on the MV Arnavon, departing today. This specially trained team has been deployed to assist the first team that was sent to Lata to provide security. It is a priority that security in the affected area is maintained.
- All teams will be assigned with uniformed Police Officers to provide security during distribution to communities.

### 3. Health Sector

#### a) Up-dated assessment

- The Health Team is deployed daily to the most at risk communities conducting in depth assessments on water, sanitation, waste management and general hygiene.
- The total number of injuries has risen to 14 as of yesterday where people have bruises, cuts and open wounds that needs medical attention.
- Data collection and processing of village level assessments is ongoing. The information presented here, is from the following camp areas; Nangu, Bamoi, Meteni, Luameta, Bonate and Masoku. Information from these areas indicates that the communicable disease health burden is currently low. Information on the following conditions from the above mentioned camps has been aggregated:

	AFR	Prolonged Fever	Chronic Diseases	STI	Mental Illness	Red Eye	Diarrhoea
# of cases	0	0	4	0	0	1	1

In regards to vulnerable populations, the following information has been aggregated from the above camps:

- Malnutrition: 1 case
- Pregnant Women: 5 females, Anaemia: 0 cases, Recent births: 1

The biggest challenge continues to be the water and sanitation situation. Total data from the 6 camps listed above is tabled below. Regarding drinking water sources for each household within the camp; it is clear that the majority of people camping are drinking from open water sources.

	Wells	Gravity	Tank	Water Stream/Spring
# of sources	0	10	14	100

All of the 6 camps surveyed above were also found to have unsafe waste disposal within their camp areas. The majority of waste disposal is occurring at the sea side, with some people using the bush or digging pits. In addition, there is a lack of appropriate sanitation. The concern is that open water sources may become contaminated and most people are currently using these to meet their drinking needs.

**b) EPI Program**

- The electricity supply to the hospital was restored last Saturday (09/02) and is continuing to function, however the freezers which store the vaccines have been damaged. The vaccines stored in the hospital are now rendered useless as a result of this.

**c) Communications Report**

- Communication between health facilities was established prior to the disaster, with HF radios installed. Information across Santa Cruz needs to be verified as it is still unclear what is happening at the facility level. The Zone 1 clinics are located in the geographical area most affected by the disaster and are therefore the priority to re-establish communications. In total, eighteen (18) clinics HF radios are not currently functioning. These are either due to battery problems, unclear signals or because equipment has been stolen.

**d) Water**

- The Nomad water treatment system is continuing to produce and distribute clean water to the affected communities. Water to Lata station was temporarily restored yesterday (Thursday 14/02) but is now undergoing a series of upgrading work. These upgrades are not expected to disrupt the supply for an extended period of time. Four (4) drums of diesel have been provided to fuel the pump.

**e) Sanitation**

- Hygiene messages are being delivered with water distributions and assessment teams. These include messages on dig and cover defecation at least 100m from habitation and downhill and away from water catchments.

**f) Hygiene**

- Hygiene messaging consistent with sanitation (above) and malaria control is being conducted. Hand washing advice is included with this but feedback from some is that there is not enough water to wash hands.
- Coordination needs to be done with Health Team; hygiene messaging to be jointly managed by WASH and Health.

**g) Urgent Issues**

- Water remains the most urgent priority at present, both for those living in camp sites, and other communities that have been affected. The WASH team is currently working to address this issue.
- Sanitation is another critical issue in affected communities.
- Children's clothing is urgently needed by the affected communities.

#### 4 Fisheries

- Assessments of damage to fisheries related activities are currently being conducted. These will include information on; quantity, size and length of fishing nets and fibre glass canoes; brands (OBM engines) and costs including for dugout canoes and paddles etc. Details of the assessment will be made available once the data has been compiled.

#### 5 Agriculture

- The Detailed Agriculture Assessment Team was deployed to the field yesterday (14/02). There are 5 assessment teams gathering information from the most heavily impacted areas as reported by the Provincial Emergency Operations Centre (PEOC).
- Teams will start in the following areas: Baenga, Masoko, Nangu, Bamoi, and Bonate.
- Areas surveyed will be mapped and reported on daily.

#### 6. Education

Tabulated below is the summary of damages to schools assessed so far.

School	Number of Classrooms	Partly Damaged	Fully Destroyed.
Mona CHS	8/9	1 (old)	nil
Kati	3	1 (old)	nil
Venga Primary School	5	nil	2
Lata CHS	8	nil	nil
Teaching Curriculum Resources.			
Mona CHS	Kati Primary School	Venga Primary School	Lata CHS
Available	Available	Needs re-stocking	Available
School Support Grants – MEHRD; To consider releasing School Grants to schools in Temotu Province, affected schools to set and prepare school administrations to purchase school supplies to restart classes as soon as possible.			

#### 7. Infrastructure

- The mobile phone tower has suffered structural damage. There are minor repairable damages to the facility's buildings (concrete walls are showing cracks). There is a visible bend on the Telecom tower and visible cracks on the concrete footing. The ongoing after-shocks coupled with lateral winds are causing the bend to worsen; this is potentially dangerous to those living in the immediate vicinity. Telekom needs to replace the Lata mobile phone service tower and provide proper footing.
- Power supply to Lata Township and adjacent communities has been restored. In fact, this was achieved very quickly following the event.
- Inspection of the underside of the wharf shows 'spalled' (rough/flaky/pitted) concrete, exposed reinforcements and, more seriously, some disconnected structural beam-column joints (at pile heads). Some front bollards and fenders required replacement prior to the earthquake and tsunami event.

## 8. Provincial Assistance:

- A multi-sectoral team has been deployed to assist the PEOC.
- Providing regular updates to the NEOC.

## 9. National Assistance:

- On-going coordination and oversight of the Response/Relief Phase by the NDC
- Activation of the N-DOC Clusters
- NEOC remains activated and is coordinating the response and coordination of agencies/DM stakeholders at the national level whilst the PEOC is coordinating provincial level efforts. These two teams are maintaining regular contact.
- The RSIPF patrol boat has been deployed under the Initial Response and Assessment Cluster. It will remain on Santa Cruz for at least 14 days, assisting in assessments and emergency relief missions.
- The MV Arnavon cargo ship has been chartered by the SI Government to deliver the remaining emergency relief items. It will leave for Lata this evening.
- The Ministry of Health has deployed a National Health Response Team to Lata and is currently conducting assessments and carrying out other health/medical and clinical tasks with the Provincial Health Sector.
- SI Red Cross, World Vision, Oxfam, Save the Children, ADRA and other NGOs have deployed their national staff under the Initial Response and Assessment Cluster and also under the Welfare/IDP Cluster.
- A number of private organisations and Honiara based NGOs have been collecting donations and delivering supplies. These will be sent on the MV Arnavon.

## 10. International Assistance:

Country	Assistance in SBD	Intended purpose of funds	In-kind contribution
Australia	2,250,000	SBD1,875,000 for SI Red Cross to support relief efforts including, water and sanitation, restoring family links, replenishments	An ADF C130 deployed from Australia to undertake aerial reconnaissance in Temotu Province.
			Two AusAID staff members deployed to Lata from 8-14 February to assist with assessments
			One AusAID staff member deployed to NDMO for one week.
			SBD375 support for NDMO for logistics & charter flights.
New Zealand	1.2million	SBD128, 000 to purchase generators and chainsaw packs.	

		SBD600,000 to World Vision to reimburse for non-food items (tarps, water containers, shelter kits etc) SBD\$472, 000 allocation yet to be agreed with NDMO. Available for support to SIG and/or NGOs.	
<b>UK</b>	1,980,000	Forwarded to World Vision to fund their disaster relief programme	
<b>ROC Taiwan</b>	1,460,000.00	Sbd\$1.1million will be channeled through the NDMO office And RWSSD of the MHMS to assist in food and provide Shelter and safe drinking water and the rest will help Support the RedCross and World Vision SI relief activity on The ground	The donation has been handed over to PM (Hon. Lilo) from the ROC ambassador

## 11. Future Operations

- Complete emergency relief operations
- Conduct gaps analysis for future request by PEOC/NEOC/Clusters and International Partners
- Conduct the Detailed Sector Assessment by respective sectors.
- Compile the Multi-Agency Humanitarian Action Plan.
- Compile the Initial Damage/Needs Assessment and the Detailed Sector Assessment Reports.
- Deployment of additional personal under the NEOC, Welfare/IDP, Infrastructure and Response Clusters to relieve the current teams on the ground.

## 12 Recommendations:

1. The EPI cold chain needs to be restored. When this has occurred, there is an urgent need for vaccines to be delivered to Lata Hospital.
2. Assessment data at both the community and health facility level needs to be collected and aggregated in order to plan appropriate public health responses.
3. Establishment of Temporary Classrooms close to Common Community Camps on safe grounds at Venga School and possibly for Baenga School
4. Attention to suspected presence of asbestos (MID to provide 1 Quantity Surveyor and 1 Architect as soon as possible).
5. Detailed assessment (scoping, design) for cost of repairs to school buildings, restoration of roads, bridges and the wharf (MID Engineers, Architects and Quantity Surveyors required).

## 13. Evaluation:

Based on analyses, it is worth noting that the rate of progress of which the assessments and relief activities has been conducted is slow but improving. This has been due to many factors including the on-going tremors/after-shocks that have hampered assessment and relief distribution efforts as the safety of humanitarian responders is paramount to this operation.

The two priority areas based on the supplied information are the issue of the provision for clean water for drinking and other consumption, and the issue of the Internally Displaced People (IDP) s.

#### 14. NEOC Activation:

- NEOC remains on full activation around the clock.
- The Initial Response and Assessment, Logistics and Support, Infrastructure and Welfare/IDP Clusters have all been formally activated by the N-DOC with approval of the NDC
- All Organizations regarded as DM Stakeholders (SI Govt, I/NGOs, UN Agencies and the Province have activated their respective response arrangements that complement the SI DM Arrangements).
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#### 15. Assessment:

Assessments for the Initial Damage and Needs have now been completed in most villages. The Sectors are currently conducting Detailed Sector Assessments (DSA). However, the logistics in terms of transport (vehicles/boats) have hindered the progress for teams to be deployed. This has resulted in some teams not being able to deploy to complete their DSA today. It should be noted that the household and population data including the statistics for the damaged and destroyed households should be known in two days time as data entry and verification is still in progress and more data is still to come in. The Initial Damage and Needs Assessment Report should be ready over the weekend.

#### Feedback to Original Station

SENDER DETAILS		RECEIVER DETAILS	
Name:	Pearson Simi	Name:	N-DOC & NDC Chairs, P-DOC & PDC Chairs / Partners /Individual
Contact:	27937	Contact:	NDMO & MECDM
Time:	1330hrs _ 16022013	Time:	1800 Hrs
Signature:	PS	Signature:	LY & CI,