The contour lines used DO NOT represent a real assessment of the storm tide risk for the area involved.

Total Number

of Affected

183

357

357

Evacuation

Zone

Zone 1

Zone 2

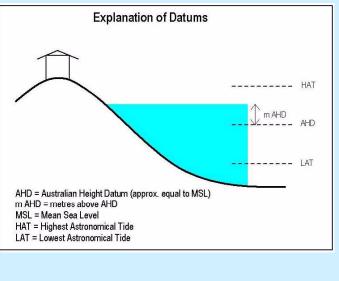
Zone 3

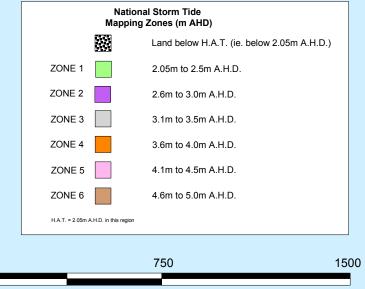
The topographic model was based upon best information available as at Aug 2003 and relied upon data from aerial photography. The aerial photography for the Shire was undertaken in Sept-Dec 1993 and was supplemented by photography of the coastal towns, undertaken in Aug 2001.

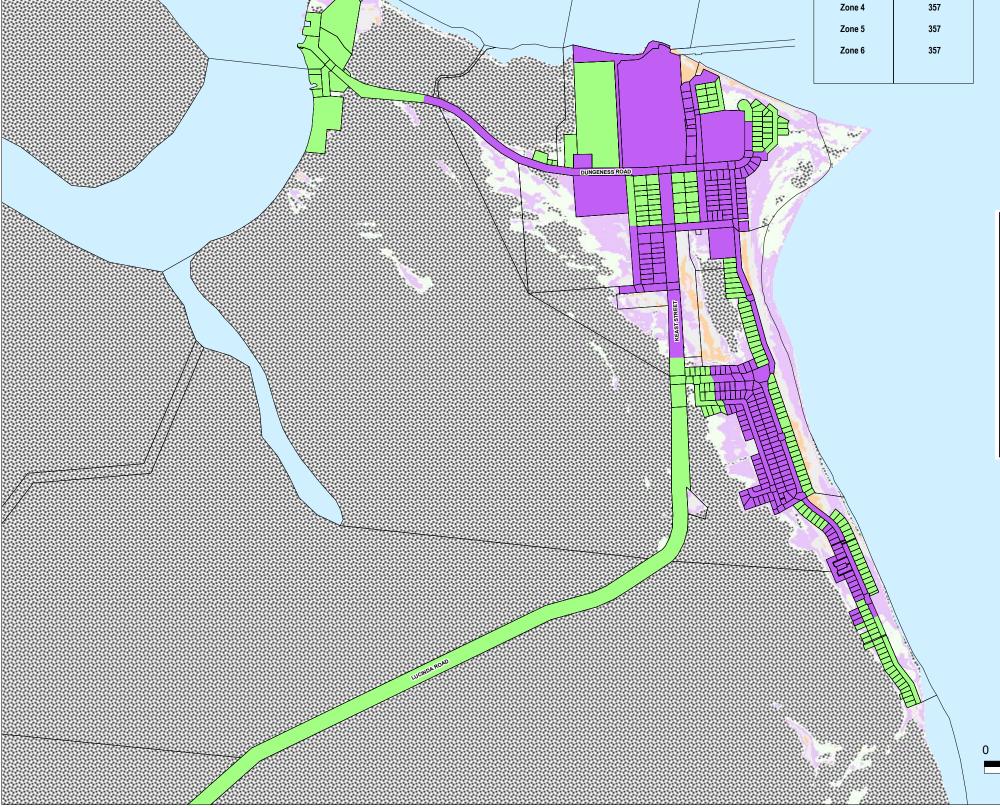
The inundation boundaries shown are plotted from the best information presently available, but no guarantee can be given for their accuracy at any particular point and NO RESPONSIBILITY IS ACCEPTED FOR ANY ERRORS THAT MAY HAVE OCCURRED. Filling of land or excavation and levelling may alter the ground levels locally at any time, whilst errors may also occur from place to place in the local ground contour lines from which the inundation boundary lines have been developed.



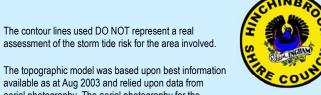








Scale 1:1500 (A3)



The topographic model was based upon best information available as at Aug 2003 and relied upon data from aerial photography. The aerial photography for the Shire was undertaken in Sept-Dec 1993 and was supplemented by photography of the coastal towns, undertaken in Aug 2001.

Total Number

of Affected

52

73

148

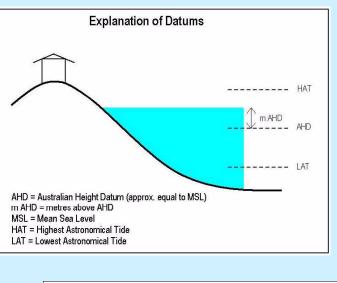
211

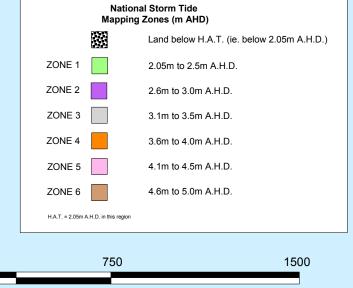
251

251

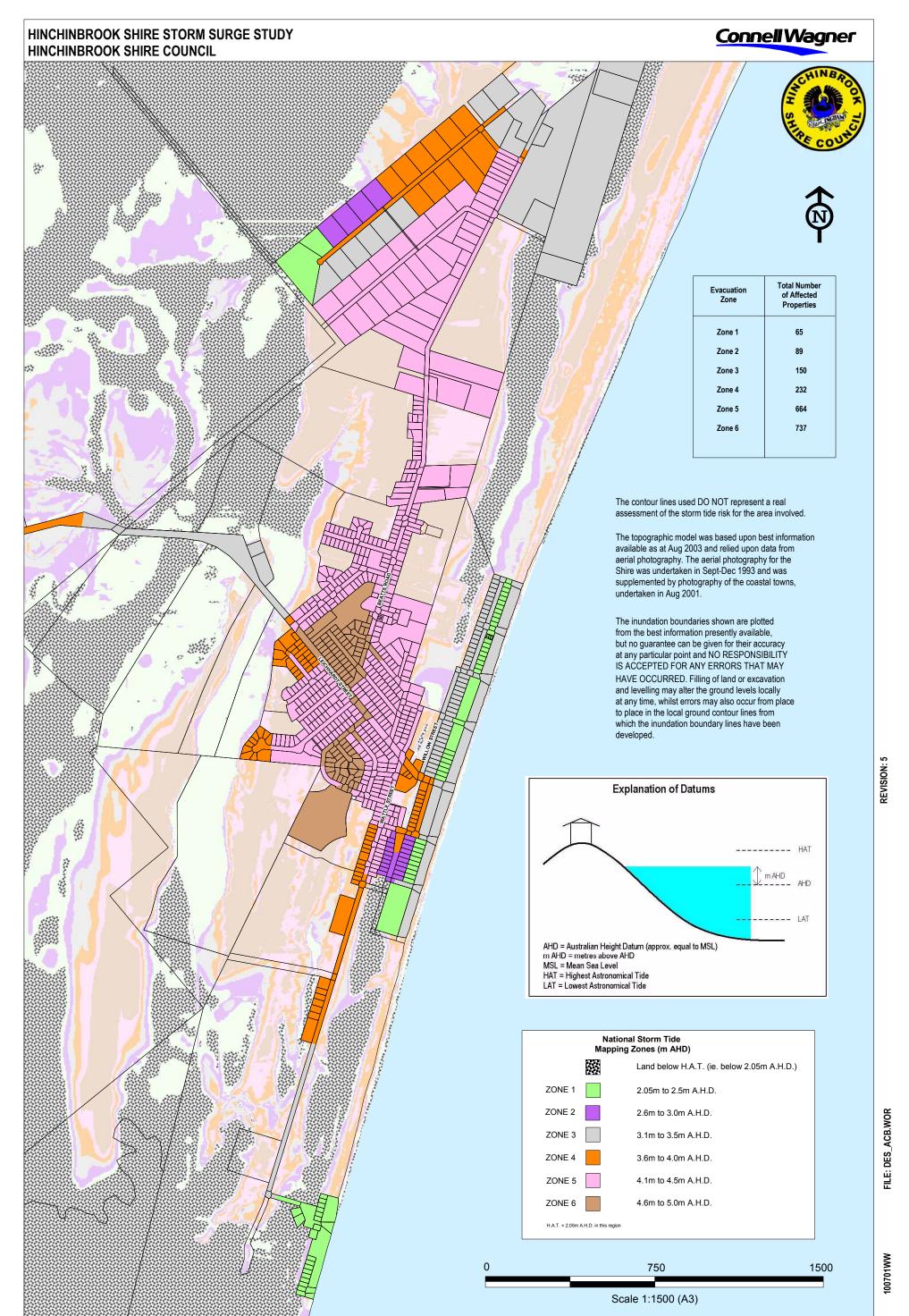
The inundation boundaries shown are plotted from the best information presently available, but no guarantee can be given for their accuracy at any particular point and NO RESPONSIBILITY IS ACCEPTED FOR ANY ERRORS THAT MAY HAVE OCCURRED. Filling of land or excavation and levelling may alter the ground levels locally at any time, whilst errors may also occur from place to place in the local ground contour lines from which the inundation boundary lines have been developed.







Scale 1:1500 (A3)



Hinchinbrook Shire Storm Surge Study Emergency Response Plan Workshop Outcomes

In the following notes the term "Committee" refers to the Hinchinbrook Shire Council Counter Disaster Committee as defined in the Counter Disaster Plan for Hinchinbrook Shire.

Abbreviations

HSC - Hinchinbrook Shire Council

SES – State Emergency Service

CDRS - Counter Disaster and Rescue Services

CDC - Counter Disaster Committee

BoM - Bureau of Meteorology

Storm Surge vs Cyclone

It is very difficult to separate the occurrence of storm surge and cyclone and the possible separate emergency responses required during these events. The discussion below has been tailored to consider only storm surge wherever possible, however as the two are so integrally involved this separation is difficult and not always practical.

1. Existing Emergency Response Documentation

The following changes are required to the Counter Disaster Plan for Hinchinbrook Shire:

- All references to 'Cyclones and Storms' need to be changed to include storm surge (change to 'Cyclones, Storms and Storm Surges'). References are located in the Control Authority and Allocated Roles and Responsibilities sections.
- In the Allocated Roles and Responsibilities section the SES role of 'damage assessment' needs to be changed to 'preliminary damage assessment'.

2. Allocated Roles and Responsibilities

Allocated roles and responsibilities are to remain as defined in the Counter Disaster Plan for Hinchinbrook Shire.

3. Stage 1 - Evacuation Decision

An authorised decision can only be made by the Disaster District Coordinator. A decision to encourage voluntary evacuation will be influenced by:

- How many people will be affected;
- How long it is expected to take to evacuate people; and
- Remaining time till the expected storm tide occurs.

4. Stage 2 – Community Warnings and Announcements

Community warnings will be governed by warnings received from BoM. These warnings can be broadcast using the following media:

Radio: 4KZ can broadcast to Hinchinbrook Shire only.

4JC, 4TO and ABC are able to broadcast to a much wider range of people including Townsville.

CB Radio: Warnings should be broadcast on channels 5 and 7.

Television: WIN (Channel 9) is the only station that is broadcast locally, therefore all TV warnings need to be

broadcast by this station.

Loudhailer: Broadcast of warnings can occur from loudhailers either on car rooftops or held outside car

windows.

For communication between members of the Committee satellite phones are available from Council/SES (1) and Ambulance (2).

5. Stage 3 – Withdrawal

There are 2 stages in the withdrawal process – voluntary withdrawal and authorised withdrawal.

5.1 Voluntary Withdrawal

- Before the decision to perform an authorised withdrawal is made, the Committee may decide to encourage voluntary withdrawal.
- During this stage no one can be forced to leave their homes, they can only be told that a storm surge is expected and they are advised to leave their homes.
- This will be run by the police with SES as extra personnel.
- It may be beneficial to organise some locals within the community who are respected by others to be part of the voluntary withdrawal stage residents may be more likely to listen to locals who they know and respect than to people they don't know.
- All people need to be accounted for, therefore those undertaking voluntary withdrawal are encouraged to phone-in to the local police and register (who is leaving and where they are going).
- During voluntary withdrawal people will be told to go to friends/relatives who are not in the expected storm surge area. No shelter will be provided until authorised withdrawal is performed.
- People who have no friends/relatives to go to will be encouraged to either stay until authorised withdrawal
 is performed or go to alternate accommodation (eg. motel) located outside the expected storm surge area
- The Red Cross registration form is to be updated.

5.2 Authorised Withdrawal

Authorised withdrawal can only be ordered by the District Disaster Coordinator. This type of withdrawal will involve:

Door knocking to ensure all people are evacuated. Volunteers will be required to help the police and SES
perform this task and the best people for this role may be the locals mentioned above.

5.3 Withdrawal Issues

Issues arise in both Lucinda/Dungeness and Taylors Beach.

The Lucinda Road is very low-lying and is therefore expected to be inundated early in the storm surge event, creating the possibility that residents may not have enough time to evacuate. In this case people will be advised to stay at home if they feel comfortable doing so or go to the sugar sheds where they will be housed until the storm surge has abated and it is deemed safe for them to return home. (Note that investigations have shown that the roads are not likely to become inundated until 100km/hr winds have reached the coast).

Taylors Beach Road is also a low-lying road and may be inundated early during the storm surge event. If the surge is expected to inundate Taylors Beach Road it may be necessary to prioritise evacuation of Taylors Beach as no possible shelter exists within the township.

5.4 Special Needs Groups

In the areas of Hinchinbrook Shire that are vulnerable to storm surge these groups are the nursing homes and retirement villages. These groups need to have their own plans in place for withdrawal, as this will aid the Committee in performing an evacuation. These plans need to accommodate the possibility that these groups may need to survive for a period of time without restocking.

6. Stage 4 – Shelter

2 shelters are available for people who are ordered to evacuate (ie authorised withdrawal):

- The Shire Hall: and
- The Pavilion at the Showgrounds. This shelter would require a generator.

In the event of an evacuation, staff and volunteers would be needed to run the shelters. By law professional cooks (or trained food preparation personnel) are required to prepare food for people, however volunteers could be used for administrative tasks.

People will be encouraged to bring some food on their own. Food for cooking can be obtained from Woolworths.

7. Stage 5 – Return

Return will be governed by BoM warnings and advice. During this stage the storm surge may have abated before the cyclone and the decision to return should be governed by both factors.

The final decision to allow residents to return to their homes is to be made by the Committee Chairperson. This decision will be influenced by:

- Preliminary safety checks carried out by the CDC;
- Infrastructure checks by qualified tradesmen/Qbuild where the preliminary safety checks have either determined that problems exist or are inconclusive; and
- Repair of any infrastructure which may have been damaged eg roads, electricity lines.

If any significant damage has occurred, external help may be required (eg if shelter is required for long periods of time, or if people need to be removed from the Lucinda sugar sheds and can't return home).

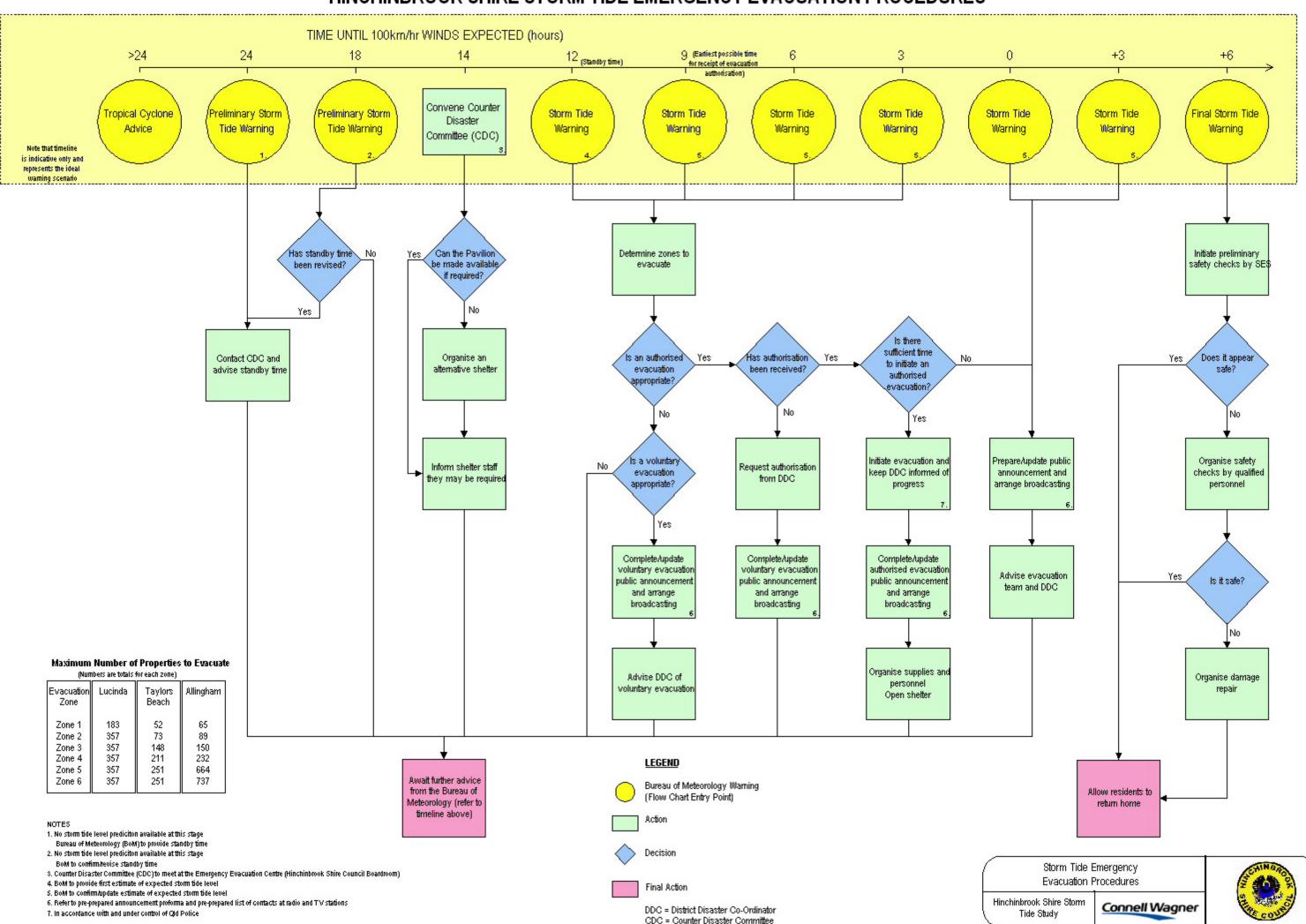
8. Public Awareness Strategy

The ongoing public awareness strategy needs to include:

- The importance of registering when people leave their homes:
- Encourage people to organise a friend/relative to shelter with in the event of a withdrawal;
- The issues with town water supply cut-off and availability.

As part of the public awareness strategy HSC should coordinate with other coastal councils and organise to have the CDRS videos run on TV.

HINCHINBROOK SHIRE STORM TIDE EMERGENCY EVACUATION PROCEDURES



Voluntary Evacuation Public Announcement Pro-Forma

Voluntary Evacuation Advice Issued at (insert time) on	(insert day, date, month and year)
DO NOT USE THE STANDARD EMERGENCY WARNING SIGNAL.	
Notice for Broadcasting	
The Hinchinbrook Shire Counter Disaster Committee wishes to in Taylors Beach, Allingham and Cassady Beach that a storm tide is a (insert cyclone name).	
The peak storm tide level is expected to occur at (in (select which) (insert date and month).	nsert time of expected storm tide) today/tomorrow
The peak storm tide level is expected to affect thezones) Evacuation Zone(s).	(list affected
As a result of this expected storm tide the Hinchinbrook Shire Coun residents who live in these zones evacuate their properties.	nter Disaster Committee recommends that all
We recommend that you evacuate to friends/relatives houses or o coastline. At this stage a central evacuation shelter has not been op	•
If you evacuate from your home you must register with the Ingham P	Police on 4776 5500.
An update of this public announcement will be issued at	(insert time and date).
If you have any questions please call (insert phone nur	mber).

Authorised Evacuation Public Announcement Pro-Forma

Authorised Evac	uation Advice	
Issued at	(insert time) on	(insert day, date, month and year)
USE THE STAN	DARD EMERGENCY WARNING SIGN	AL.
Notice for Broad	dcasting	
	Allingham and Cassady Beach that a s	wishes to inform all residents of Lucinda, Dungeness, torm tide is expected as a result of Cyclone
This tide is exp	,	rt time of expected storm tide) today/tomorrow (select which)
The peak storm szones) Evacuation		(list affected
As a result of the order of the Que	•	no live in these zones must evacuate their properties by
Shelters will be p	provided for you at	(insert shelter location(s)).
When you evacu	ate from your home you must register v	vith the Ingham Police on 4776 5500.
An update of this	public announcement will be issued at	(insert time and date).
If you have any o	uestions please call(i	nsert phone number).

No Evacuation Public Announcement Pro-Forma

No Evacuation Advice Issued at	_ (insert time) on		(insert day, date, month and year)	
DO NOT USE THE ST	TANDARD EMERGENCY WA	RNING SIGNAL.		
Notice for Broadcast	ing			
			form all residents of Lucinda expected as a result of Cyclone	. •
	to occur at (insert date and month).	(insert time of expec	cted storm tide) today/tomorrow	I (select which)
The peak storm tide le zones) Evacuation Zone				(list affected
As there is not sufficie all residents remain in		ninbrook Shire Cou	unter Disaster Committee reco	mmends that
Please do not try to ev	acuate.			
An update of this publi	ic announcement will be issue	ed at	(insert time and date).	
If you have any questi	ons please call	(insert phone numl	ber).	