

DETAILS OF EVACUATION OPERATIONS IN THE GEORGES CREEK-SHERWOOD SECTOR

1. In this area the only known problems of potential evacuations are at the Georges Creek Camping Ground (Carrai map 9336-3-N; GR 225975) and Blackbird Flat Camping Ground (Comaro map 9336-2-N; GR 382967).
2. An Evacuation Centre would be set up at Bass Lodge if evacuees from the Georges Creek Camping Ground cannot travel to down-river locations.
3. Evacuation Centres may also be established at the Bellbrook Community Hall or at Willawarrin Public School for evacuees from the Georges Creek Camping Ground, Blackbird Flat or from local areas.
4. Resources likely to be available for evacuation tasks would be provided by local RFS brigades in the Willawarrin, Turners Flat, Temagog, Dondingalong and Mooneba areas (approximately 50 personnel).
5. Operations in this Sector will be controlled from the Kempsey Shire SES Local Headquarters.

DETAILS OF EVACUATION OPERATIONS IN THE KEMPSEY-FREDERICKTON SECTOR

1. This Sector includes the areas listed below. Estimates of the number of dwellings located on land which is liable to flooding in the 1% AEP flood area in brackets. Many of these dwellings would not experience over-floor inundation in such a flood, but some would do so in larger floods.
 - a. Central Kempsey (210). This area includes the entire Central Business District and most of the residential properties are apartments located above business premises. The area is protected against flooding by levees designed to be overtopped at the following heights at the Kempsey Traffic Bridge gauge:
 - ◇ First Lane (Cochrane St): 6.15 metres.
 - ◇ Eden St: 6.55 metres.

After overtopping, the area would quickly become unviable and it is desirable that it be completely evacuated before the Eden St levee is overtopped.
 - b. West Kempsey (112).
 - c. East Kempsey (52).
 - d. South Kempsey (74).
 - e. Frederickton (33).
 - f. Rural areas located between Kempsey and Frederickton on both sides of the Macleay River (Christmas and Easter Creek areas, Glenrock, Frogmore and East Frederickton) (approximately 50).
 - g. Rural areas between Sherwood and Kempsey on both sides of the Macleay River (Sherwood, Belgrave Falls, Aldavilla, Euroka) (a very small number).
 - h. Maria River - Big Hill - Pt Plomer Rd areas (approximately 70).

The total population resident in all these dwellings within the Sector is approximately 1800.
2. Institutions likely to experience inundation in a severe flood are:
 - a. Kempsey Pre-School and Nursery School.
 - b. Palm Court Aged Units.

3. Operations in this Sector will be controlled from the Kempsey Shire SES Local Headquarters.
1. Resources likely to be available for doorknocking and evacuation tasks are:
 - a. SES: 50
 - b. NSW Police: 20
 - c. RFS: 70 (Aldavilla, Sherwood-Dondingalong, Temagog, Mooneba, Frederickton and Kundabung brigades)
 - d. NSWFB: 10
2. Evacuation routes and Evacuation Centres:
 - a. Frederickton to West Kempsey: Pacific Hwy (likely to be closed by a flood reaching 5.2 metres at Kempsey Traffic Bridge) to Kempsey High School or Kempsey TAFE. An alternative unsealed route, which may also close, is via Spooners Ave.
 - b. Frogmore to East Kempsey: South West Rocks Rd (likely to be closed by a flood reaching 5.2 metres at Kempsey Traffic Bridge) to East Kempsey Public School.
 - c. Central Kempsey to West Kempsey: via local streets to Kempsey High School or Kempsey TAFE. Note that Belgrave St must be assumed to be untrafficable when a height of 6.55 metres is reached.
 - d. East Kempsey: internal, via local streets to East Kempsey Public School.
 - e. South Kempsey: internal, via local streets to Melville High School.
 - f. Frederickton: internal, via local streets to Frederickton Public School; or to West Kempsey (see a. above).
 - g. Sherwood and Euroka: via local roads to Melville High School, South Kempsey.
 - h. Belgrave Falls and Aldavilla: via local roads to Kempsey High School, West Kempsey.
3. Helicopters could operate from:
 - a. Kempsey Heights Bowling Club carpark, corner Polwood and Tozer sts, West Kempsey.
 - b. Kempsey District Hospital helipad, Tozer St, West Kempsey.
4. Access from Kempsey to Kempsey Airport is lost at a flood height of 6.6 metres at the Kempsey Traffic Bridge.

DETAILS OF EVACUATION OPERATIONS IN THE SMITHTOWN-GLADSTONE SECTOR

1. This Sector includes the areas listed below. Estimates of the number of dwellings located on land which is liable to flooding in the 1% AEP flood are in brackets. Many of these dwellings would not experience over-floor inundation in such a flood, but some would do so in larger floods.
 - a. Smithtown (257)
 - b. Gladstone (155)
 - c. Austral Eden – Old Station Road area (80)
 - d. Belmore River (100)
 - e. Bellimbopinni, Seven Oaks, Clybucca, Menarcobrinni and Summer Island (160)

The total population resident in all these dwellings is approximately 2000.

Many of the dwellings in these areas are elevated. Some older ones are not. Inundation of blocks on which dwellings are located within Smithtown and Gladstone begins in floods reaching about 6.0 metres at the Kempsey Traffic Bridge gauge. The land area of Smithtown and Gladstone must be regarded as being covered in floods reaching about 7.5 metres and the community would require total evacuation in such floods.

2. Institutions likely to experience inundation in a severe flood are:
 - a. Bellimbopinni Public School.
 - b. Gladstone Public School.
 - c. Smithtown Public School.
 - d. Lower Macleay Pre-School.
 - e. Gladstone Police Station.
3. Operations in this Sector will be controlled from the Gladstone-South West Rocks SES Unit Headquarters for as long as possible and thereafter from the Kempsey SES Local Headquarters.
4. Resources likely to be available for doorknocking and evacuation tasks are:
 - a. SES: 5
 - b. RFS: 20 (Smithtown-Gladstone and Clybucca brigades).

Other resources would need to be obtained from Kempsey.

6. In floods expected to peak between 6.0 metres and 7.5 metres at the Kempsey Traffic Bridge gauge, evacuations can be managed at Evacuation Centres located in the Gladstone and Smithtown public schools. In larger floods, evacuations should be directed to Kempsey as follows, with the Gladstone and Smithtown public schools serving as Assembly Points only:
 - a: From areas south and east of the Macleay River: to the East Kempsey Public School via South West Rocks Rd. This road is cut by floods reaching 5.2 metres at the Kempsey Traffic Bridge gauge.
 - b. From areas north and west of the Macleay River: to Kempsey High School via Smithtown Rd, the Pacific Hwy and Second Lane. A small number of people may prefer to evacuate north to Stuarts Point. Note that these roads are cut to cars north of Frederickton by a flood of 5.2 metres. Evacuations by car **into** Smithtown-Gladstone or to Kempsey must be completed before this height is reached. Trucks should be regarded as being able to operate to only very slightly higher flood levels.

Note that the Pacific Hwy is cut to cars at Seven Oaks by a flood reaching 5.2 metres and the South West Rocks Rd is cut to cars at Austral Eden by flooding to the same heights. Evacuation by car **into** Smithtown-Gladstone or to Kempsey must be completed before this height is reached. Trucks should be regarded as being able to operate safely to only slightly higher levels.

7. Helicopters could operate from North St, Gladstone. Local boats may also be used for evacuations under SES supervision.

DETAILS OF EVACUATION OPERATIONS IN THE SOUTH WEST ROCKS SECTOR

1. This Sector includes the areas listed below. Estimates of the number of dwellings located on land which is liable to flooding in the 1% AEP flood are in brackets. Many of these dwellings would not experience over-floor inundation in such a flood, but some would do so in larger floods.
 - a. Upper Kinchela and lower Kinchela (50)
 - b. Kinchela (23)
 - c. Jerseyville (24)
 - d. Pelican Island and Rainbow Reach (30)

The total population resident in all these dwellings is approximately 400.

Most of the dwellings in these areas are elevated, but in severe floods all these areas would have to be completely evacuated. It is impossible to specify heights at the Kempsey Traffic Bridge gauge which relate to particular flood conditions in this Sector, because of the separate influence of the Belmore River, Connection Creek, Kinchela Creek and the ocean. Decisions to trigger evacuations must be made bearing all these influences in mind as well as the state of the Macleay River. However, a flood reaching 6.5 metres at Kempsey would by itself be expected to cause serious flooding within the Sector and evacuation would be necessary if such a flood was predicted.

It must be noted that the roads to Kempsey, Smithtown-Gladstone and South West Rocks are all cut in floods reaching 5.2 metres at the Kempsey Traffic Bridge.

2. The Kinchela Public School would be inundated in a severe flood.
3. Operations in this Sector will be controlled from the RFS/SES Unit Headquarters, McIntyre St, South West Rocks.
4. Resources likely to be available for doorknocking and evacuation tasks are:
 - a. SES: 5
 - b. RFS: 10 (South West Rocks Brigade)
 - a. NSWFB: 10
5. Evacuation may be via South West Rocks Rd to Evacuation Centres at either:
 - a. The South West Rocks Catholic Church.

b. East Kempsey Public School.

Assembly Points could be established at the Macleay River District Fishermen's Co-operative Ltd and the Kinchela Public School.

6. Helicopters could operate from the Country Club Carpark, Phillip Dr, South West Rocks.

DETAILS OF EVACUATION OPERATIONS IN THE HAT HEAD SECTOR

1. The village of Hat Head is protected by a levee from flooding from Korogoro Creek, which takes flood waters from the Macleay River floodplain. This levee is designed to be overtopped in events more severe than the 1% AEP event. If overtopping occurred, the whole village would be flooded. Extreme storm events off the coast could cause erosion of the sand dunes and result in the flooding of the village by sea waters.
2. Most homes in the town are low set and a high proportion of the population of 334 in 1996 was elderly. The population at risk is likely to be larger during school holidays when the Hat Head Caravan Park is at its busiest and most of the dwellings are occupied.
3. Operations in this Sector would be controlled from the RFS Shed, Perry St, Hat Head.
4. Resources likely to be available for doorknocking and evacuation tasks would come from the approximately 10 members of the Hat Head RFS.
5. Evacuation to Kempsey or South West Rocks by road is likely to be very difficult because of flooded roads. Boat evacuation is impracticable and there are few double-storey buildings at which people could stay while floods subside.
6. People would have to move to the Evacuation Centre at the Hat Head Surf Lifesaving Club to await evacuation by helicopter to Kempsey. A helicopter landing point could be established at 64 Gap Rd, Hat Head.