

8. YAMBA SECTOR

8.1. YAMBA SECTOR

See Map Attached

Sector Description	This sector covers Yamba, Angourie, Wooloweyah and Palmers Island		
Hazard	Clarence River riverine flooding		
Flood Affect Classification	Yamba becomes a low flood island at 2.1m and has rising road access in the east. Palmers Island is a low flood island.		
At risk properties at PMF AEP	Yamba 1217 Palmers Island 126 3 Caravan Parks.	Total number of properties	Yamba 4054 Palmers Island 224 (Census 2021)
Population	Yamba 6405 Palmers Island 482		
Sector Control	The Incident Controller will nominate a Sector Commander to control evacuations in this Sector. The NSW SES will conduct evacuations in this sector with assistance from NSW Police, Fire and Rescue NSW, and NSW Rural Fire Service (RFS) volunteers.		
Key Warning Gauge Name: Maclean (204410/558022)	Minor: 1.60 m	Moderate: 2.20 m	Major: 2.50 m
Gauge Name: Yamba (204454)	Minor: 1.60 m	Moderate: 2.20 m	Major: 2.50 m
General Strategy	<ul style="list-style-type: none"> • Evacuation of at-risk population. • Self-evacuation to friends/family outside of the impact area. • Establishment of an Assembly Area/Evacuation Centre at the Yamba Bowling Club Wooli Street Yamba, where evacuees are able to gather while flood situation is monitored. 		
Key Risks / Consequences	<ul style="list-style-type: none"> • Potential loss of life from rapid and potentially high velocity flooding inundation. • Potential isolation of thousands of people estimated to be for a number of days. 		
Information and Warnings	<ul style="list-style-type: none"> • Flood Watch • Flood Warning • AWS Advice • AWS Watch & Act • AWS Emergency Warning • Sequenced door knocking of evacuation sub sectors. • Media announcements (including social media) • Emergency Alert (SMS, Landlines) • Standard Emergency Warning Signal (SEWS) 		

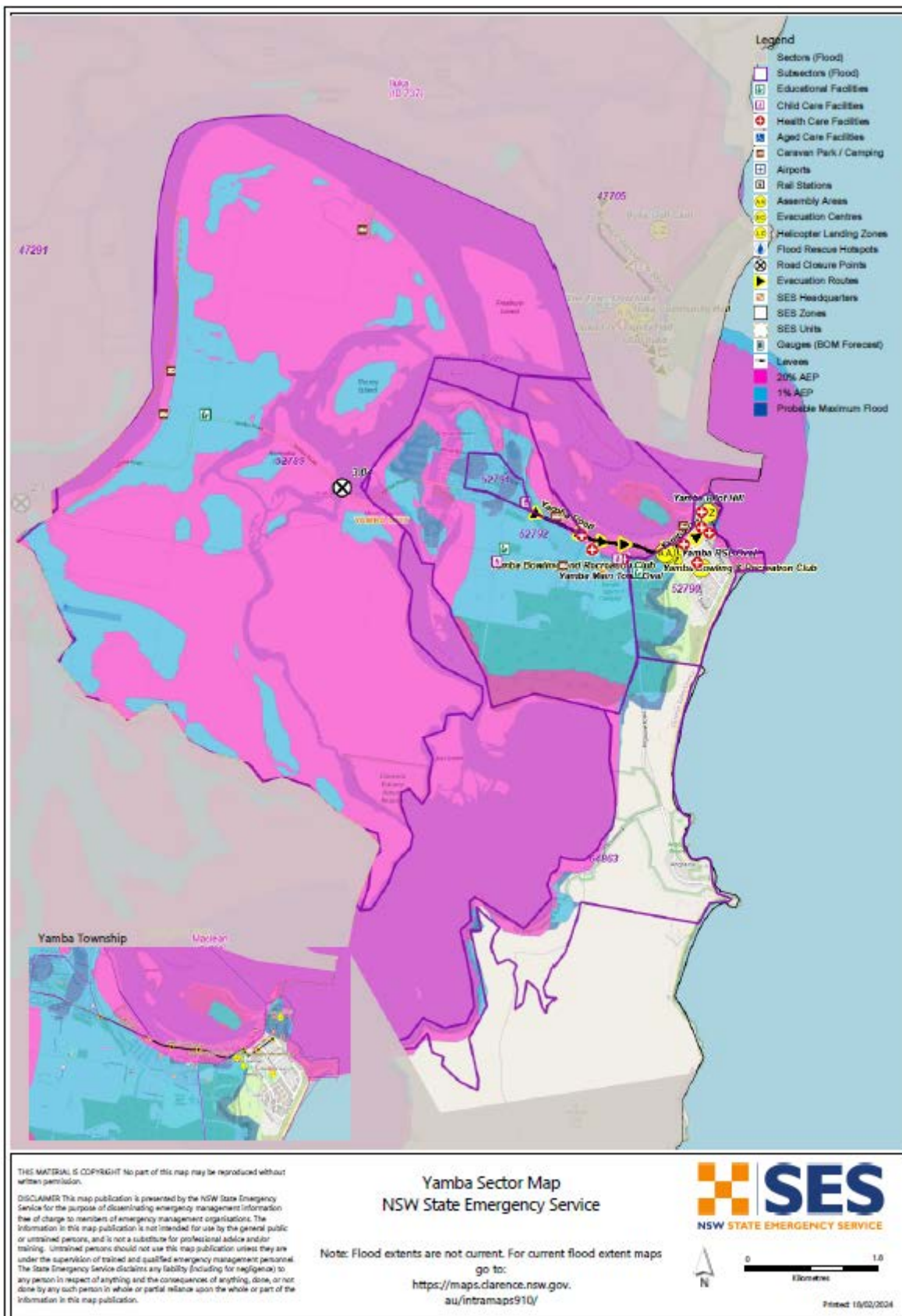
Property Protection	<p>Specific property protection measures:</p> <ul style="list-style-type: none"> • Monitoring rising flood waters. • Relocation of livestock where resources are available. • Relocation of farm machinery and valuable goods where resources are available. • Control of surface water through sandbagging measures. • Assist in the lifting of furniture to residents in need where resources are available. • Monitoring integrity of dwellings surrounded by flood waters. <p>Protection of essential infrastructure:</p> <ul style="list-style-type: none"> • No identified essential infrastructure requiring protection. • Electricity substation located along Angourie Road is within the PMF but not the 1% AEP flood extent. • Sewer system in Urban areas of sector in Yamba, Angourie, Wooloweyah. This is located within the PMF flood extent at 97 Angourie Road, Yamba. All other areas of sector are on septic tank, evacuations may be required in rural areas for sanitary reasons if septic systems overflow. • Clarence Valley Council Water and Sewerage Flood Plan address procedures for sewerage system.
Evacuation Triggers	<p>The effect of flooding on the town and outlying areas in this sector is very much dependent on tidal influences. Tidal levels will need to be identified at the onset of main Clarence River flooding.</p> <p>The key evacuation triggers based on Bureau of Meteorology flood height predictions at the Maclean gauge (204410/558022):</p> <ol style="list-style-type: none"> 1. Prediction to reach and/or exceed 2.1 m Local Warnings will commence, including notification to Caravan Parks and low lying houses. Yamba becomes isolated at the Cloverleaf and also the intersection of Yamba Road and Palmers Channel South Bank Road, depending on tidal conditions (760 Yamba Road). Palmers Island begins to experience flooding. 2. Prediction to reach and/or exceed 2.4 m Low lying areas of Shores Drive, the Halyard and 4 houses on Yamba Drive near Coles are subject to flooding. Other areas affected are Golding Street, Cook Street, and Endeavour Street, Deering Street. 3. Prediction to reach and/or exceed 3.6 m Emergency Warning to be considered for Palmers Island and targeted areas of Yamba based on local conditions. A 1% AEP flood event at Palmers Island village would see 54 properties affected and 10 would have over floor flooding.

Sequencing of evacuation	<ul style="list-style-type: none"> Evacuation of vulnerable facilities such as (e.g. aged care facilities, schools, and child care facilities) will require a higher priority. Outside of the identified sequenced evacuation areas, a number of residences and properties may need to be evacuated during periods of significant flooding. In most floods, the evacuation tasks will only involve a small number of people. These properties would be dealt with on a case-by-case situation in conjunction with Department of Communities and Justice.
Evacuation Routes	<ul style="list-style-type: none"> Residents wishing to leave Yamba need to do so before a height of 2.1 m is reached on the Maclean gauge (204410) Local roads around Yamba will open and close, depending on local rainfall and tidal conditions. <p>See attached map.</p>
Evacuation Route Closures	<p>Road closures which may affect the isolation of the town:</p> <ul style="list-style-type: none"> The closure of local roads will be dependent on local rainfall and tidal conditions. Yamba Road closes at (2.1m Maclean gauge 204410/558022) Pacific Highway closes (2.1m Maclean gauge 204410/558022) at the "Cloverleaf" (Southern approach to Harwood Bridge 5km north of Maclean). Pacific Highway closed at Ferry Park, Maclean (2.5m Maclean gauge 204410/558022) Brooms Head Road can be cut at Taloumbi by localized flooding. <p>Other known road closures:</p> <ul style="list-style-type: none"> Pacific Highway Closes (5.4m Grafton (Prince Street) gauge (204400/58178)) at Alipou Creek, Alternate route high level bypass Centenary Drive.
Method of Evacuation	<ul style="list-style-type: none"> Primarily self-evacuation by private transport before road closures. At risk residents will be door knocked by NSW SES, RFS and other emergency personnel and advised on the evacuation details. Other outlying areas such as Palmers Island and Palmers Channel may require evacuating on a case-by-case basis and can be transported by boat to the Assembly Area/Evacuation Centre at the Yamba Bowling Club.
Evacuation Centre/Assembly Point	<ul style="list-style-type: none"> Yamba Bowling & Recreation Club, Wooli Street, Yamba. This is within the PMF. An alternative is to higher ground in Clarence and Pilot Street where additional accommodation maybe sourced with assistance from the Department of Communities and Justice.

Large scale evacuations	<p>In the event that large scale evacuations are required residents will be transported to areas where an Assembly Area/Evacuation Centre will be established.</p> <p>The following stages will occur;</p> <ul style="list-style-type: none"> • Stage 1: Evacuation of the elderly, sick and frail as well as families with young children. This evacuation would be by private vehicles or school buses if possible. If roads are inundated flood boats and helicopters will be utilised. • Stage 2: Evacuation of all people not required for emergency Operations • Stage 3: Evacuation of emergency personnel by flood boat.
Rescue	<ul style="list-style-type: none"> • The flood rescue management process adopted will be determined by the Incident Controller, based on the scale of the flood rescue operations. • The Incident Controller may declare a flood rescue area of operations and establish a flood cell to assist with the management of flood rescues. • All Flood Rescue Operations will be undertaken as per the State Rescue Policy
Resupply	<ul style="list-style-type: none"> • Resupply will be provided by the NSW SES through the 132500 call out system. • The Coles supermarket will be resupplied if required; this will ensure that Yamba residents are continually provided with essential food items.
Aircraft Management	<p>Helicopter Landing Zones</p> <ul style="list-style-type: none"> • Pilot Hill (S29° 25' 96.6", E153° 21' 82.9") – Not Flooded • RSL Sub Branch Oval (S29° 26' 24.0", E153° 21' 76.6") – Not Flooded • Main Town Oval, Coldstream Street (S29° 26' 34.1", E153° 21' 50.5") – Flooded during PMF

<p>Other</p>	<p>Special considerations relating to evacuation:</p> <ul style="list-style-type: none"> • Closure of schools - coordinated through the Department of Education and Training. • The evacuation of domestic animals, horses and livestock to the appropriate facility to be managed by Department of Primary Industries and Local Land Services. • Closure of licensed premises. All hotels and licensed clubs will be closed if required. • Security. Police patrols to be established to maintain law and order after evacuation has occurred. • The NSW SES will use flood boats, aircraft, community contacts and other agencies to monitor the safety of individuals, where feasible. • These arrangements will stay in place until the "Return with Caution" is provided by the NSW SES to residents to return to their premises. • Evacuation of residential institutions, nursing homes and age care facilities will occur where these are threatened by predicted flood waters. <p>Yamba has four peak seasons with a potential population increase of more than 10%:</p> <ul style="list-style-type: none"> • School holidays tourist influx late December/January. • School holidays tourist influx April • School holidays tourist influx July • School holidays tourist influx September/ October
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8.2. YAMBA SECTOR MAP



8.3 EVACUATION PLANNING

