

1. REPORT OF THE FLOODPLAIN MANAGEMENT COMMITTEE

The minutes of the Floodplain Management Committee meeting held at the Narromine Shire Council Chambers, on Thursday 13 July 2017 are attached (**see Attachment No. 1**).

RECOMMENDED

That the report of the Floodplain Management Committee and the recommendations from the minutes of 13 July 2017 be adopted.

2. ECONOMIC DEVELOPMENT GROUP COMMITTEE DISCUSSION

The Economic Development Group Committee met at Narromine Shire Council Chambers on Tuesday 11 July 2017, however did not have a quorum. The members present continued with a discussion of various issues. The notes of the discussion are attached for information (**see Attachment No. 2**).

RECOMMENDED

That the information be noted.

MINUTES OF THE FLOODPLAIN MANAGEMENT COMMITTEE MEETING HELD AT COUNCIL CHAMBERS ON THURSDAY 13 JULY 2017

PRESENT: Narromine Shire Council: Mayor Cr Craig Davies (Chair), Cr Colin Hamilton, Mrs Jane Redden (General Manager), Mrs Kerrie Murphy (Director Infrastructure and Engineering Services), Mrs Melissa Ward (Manager Planning); EMC Works: Mr John Kauter; Office of Environment and Heritage: Mr Ivan Rivas Acosta; State Water Floodplain Management Advisory Committee: Mr Mike Bennett; Community/Business Representatives: Mr Tony Barlow, Mr Bob Treseder, Mr Jack Cooper, Mr Neil Haley (alternate for Mr Robert Heywood); Mrs Marion Truscott (Minute Taker)

IN ATTENDANCE: BMT WBM: Mr Darren Lyons (Peer Reviewer)

1. WELCOME

The Chair welcomed those present and declared the meeting open at 3.01 pm.

2. APOLOGIES

RECOMMENDED Cr Hamilton/Jack Cooper that the apologies of Cr Rob McCutcheon, Mr Guy Marchant (Manager Health and Building), Mr Graham Millgate (Local Emergency Management Officer), Debbie Love (Office of Environment and Heritage), Ms Megan Jones (Department of Planning), Mr Robert Handsaker, Mr Robert Heywood, and Peta Holcome (CW Local Land Services) be accepted.

3. MINUTES OF THE PREVIOUS MEETING

RECOMMENDED Cr Hamilton/Mike Bennett that the minutes of the previous meeting held on 26 April 2017 be accepted as a true and accurate record of the meeting.

4. BUSINESS ARISING FROM THE MINUTES

It was noted that the questions in the Q&A section were answered by Darren Lyons.

5. PRESENTATION BY PEER REVIEWER – DARREN LYONS, BMT WBM

A number of components were reviewed, specifically data, analysis and reporting; TUFLOW model and results.

The outcome of the review in general supports the technical analysis; the design levels are potentially conservative (within a 0.1m tolerance) based on key assumptions, however these are appropriate and justifiable from a technical point of view.

Three key review issues were identified:

1. Anomalies in the data and presentation of historical events. This had limited influence on the design but it is important for correlation with flood history.
2. Appropriateness of adopted flood frequency analysis (accounting for the influence of Burrendong Dam).
3. Justification for recalibration model based on the December 2010 event (roughness).

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CHAMBERS ON THURSDAY 13 JULY 2017**

Review Issue 1

Historical Food Records – analysed to try and find general consistency through the records at the Weir, Town and Bridge gauges and different flooding reported levels.

Key events

1950 Town Gauge (14.86m)

1955 Town Gauge (15.66m)

1956 Town Gauge (15.14m)

1956 included readings at both the Town and Bridge gauges with 14.53m reported for the Bridge. It was noted that there was a 0.61m difference between the Town and Bridge Gauge levels for 1956.

Event comparison

	Town	Bridge
1950	14.86m	14.25m
1955	15.66m	15.05m
1956	15.14m	14.53m

It was noted that the 0.61m difference is consistent with all three flood events. This information clarified the anomalies with different gauge heights collected for the above floods and provided an understanding of what was deemed to be the most accurate gauge reading for each of the floods. The simulated profiles in the models match the gradients recorded.

Review Issue 2**Appropriateness of adopted flood frequency analysis**

The current reporting did not address current operations at Burrendong, however impacts have recently been addressed in a Wellington flood study. New flood frequency analysis completed with peak flow at Narromine of 4000 m³/s at 1% AEP considered appropriate and consistent.

Review Issue 3**Appropriateness of adopted flood frequency analysis**

The recalibration of the model for the December 2010 event was undertaken with consideration being given to:

- roughness increased by 25% to match observed peak flood levels
- flow at Narromine was based on the Baroona gauge with 2100 m³/s
- the 0.61m difference in levels;
- local catchment contribution and flow attenuation downstream of Baroona.

The result of this modelling was that gauges did not show a major shift in terms of ratings between 1990 and 2010. The fluctuations observed can be attributed to changes in vegetation.

A review of rainfall data during the 1990 and 2010 events was undertaken to ascertain local sub-catchment contributions downstream of Baroona gauge. There was no substantial flow in 1990, however in 2010 a contribution was observed on 6 December which corresponded to the recording at Baroona.

MINUTES OF THE FLOODPLAIN MANAGEMENT COMMITTEE MEETING HELD AT COUNCIL CHAMBERS ON THURSDAY 13 JULY 2017

The committee members made a number of comments in relation to the review.

Mike Bennett queried the justification of 25% roughness applied between the 1990 and 2010 events. Darren advised that this increase accounts for changes in both vegetation and channel structure between the two events.

George Mack advised that he considers the real time bears no relationship to the models and finds it difficult to accept that the Peak 1% AEP flood level range can be 14.9 - 15.1m when in the 1955 event a further 1800m³/s flow represented a height of 15.05m.

Jack Cooper stated that he felt there was not much change in conditions between the two events. Darren advised that 25% roughness applied in the modelling does not make a big change in the modelling perspective i.e. 0.2m.

It was queried as to what would occur if a bank of culverts were installed at Webb Siding. It was noted that a further study would be required as this was not in the scope of works for the peer reviewer.

George Mack stated that Gordon McKay had advised him that floods of different lengths could not be compared. Darren advised this is where attenuations are accounted for and these have been reviewed. Darren also added that it was difficult to make a comment on the statement by Mr McKay as he was not privy to the context in which it was made.

Cr Hamilton queried the implications of accepting 15.1m as the new Peak 1% AEP flood level on the levee. John Kauter advised that this is to be determined in the levee feasibility study. There is some indication that the freeboard could be less than 1m.

There was concern expressed about the ramifications on building heights and insurance premiums should the Peak 1% AEP flood level of 15.0 or 15.1m be accepted.

It was confirmed that the funding with OEH is on a 6 to 1 basis and that 75% of the work has been completed in undertaking the feasibility study, however progress has stalled since 2015. It was noted that at this stage Council has not been able to claim some of the funding as milestones have not been reached.

The General Manager noted that there was a meeting scheduled with the Department of Planning the next day and the question on the building heights would be asked. Information would also be sought from the Insurance Council.

It was noted that Darren's draft report would be completed next week and then provided to OEH for comment. Following feedback from OEH, the review report would then be provided to Council.

RECOMMENDED Tony Barlow/Cr Hamilton that the committee note the progress of the Peer Reviewer's report and consider the release of the draft report at a further meeting.

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6. NEXT MEETING

The committee will convene following the release of the draft review report from OEH.

There being no further business the meeting closed at 4.38pm.

The minutes (pages 1 -4) were confirmed at a meeting held on 2017 and are a full and accurate record of the meeting held on 13 July 2017.

CHAIR

**NOTES OF ECONOMIC DEVELOPMENT GROUP COMMITTEE DISCUSSION HELD AT THE
NARROMINE SHIRE COUNCIL CHAMBERS ON TUESDAY, 11 JULY, 2017,
COMMENCING AT 5PM**

PRESENT: Crs Lyn Jablonski, Mark Munro; Phil MacInnes, Tracy McIntyre, Peter Kierath, Phil Johnston (Manager Economic Development, Narromine Shire Council).

APOLOGIES:

The apologies of Jodi Browning, Susie Rae, David Cliffe, Mayor Craig Davies, and Jane Redden (General Manager) were noted.

WELCOME

The Chair of the Economic Development Group, Cr Mark Munro welcomed those present.

It was noted that there was not a quorum present for the meeting therefore the members present discussed the following issues:-

BUSINESS ARISING FROM THE PREVIOUS MINUTES

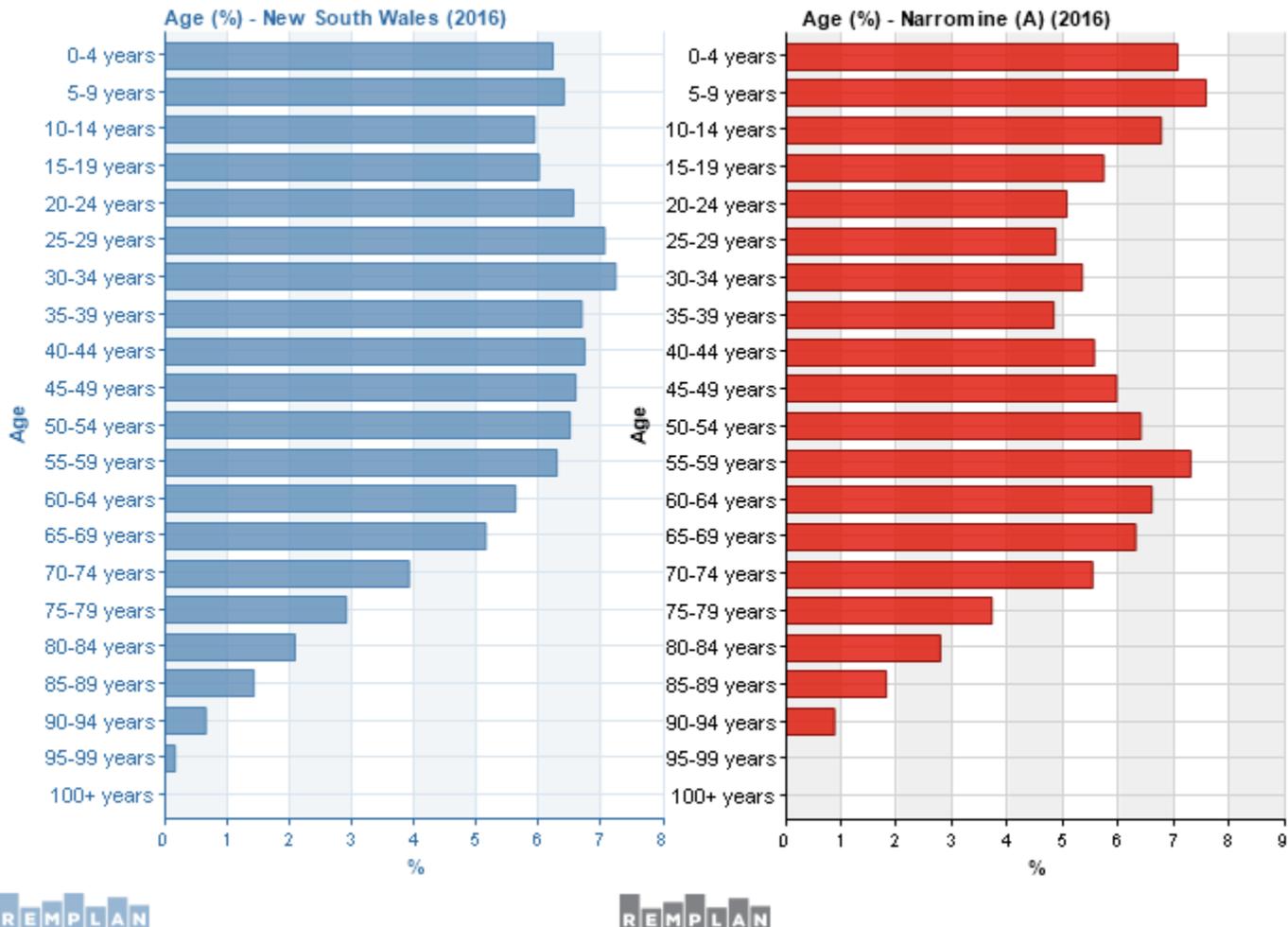
Three items in Business Arising and General Business were updated and discussed for the information of Economic Development Group members. These items all continue to progress with further updates to be provided. It is expected that additional items for action will be developed along with the Economic Development Strategy.

- **5.a Economic Development Strategy**

Narromine Shire Council has been awaiting the outcome of the first round of census data before looking to finalise the ED Strategy. The census data has now been published and we expect the draft strategy to be sent over the coming weeks. The Census data shows a 2% decline in the Shire population over the previous four census years to 6,444 down from 6,585.

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The age profile of those living in the Shire is seen below showing quite a young population cohort coming through (above state average), coupled with a visibly larger population over 55 years. I include these specifically as youth and the seniors cohorts are two areas of future strategic growth for this area and to the west.



The business data will be finalized in October and Shire staff are making plans to update the Agricultural prospectus along with other documents once this is complete.

It is also worth noting that Narromine Shire Council is participating in a Regional Economic Development Strategy with the Dubbo Regional Council. We will provide updates on this as it proceeds.

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- **5.b Smart Cities Application**

Note that Narromine Shire Council has made an application under the Smart Cities program as per discussions held at the last EDG meeting. The Field Solutions Group have partnered with the Narromine Community in making the application which if successful will mean wi fi connectivity in the main street, greater disaster recovery ability for the Shire, CCTV and data connections for Council's infrastructure.

From a wider community point of view it would also make broadband technology and speeds available to more businesses in the Shire and particularly outside of the Trangie and Narromine townships. It will be several months before the success of the application is known.

- **5.c Visual Merchandise Workshops**

The initial workshops have now been undertaken with around 15 businesses participating and several discussions with businesses outside of these workshops. Feedback has been positive and the workshops gave business some further insight into how to improve displays, some of the theory behind shopper experience and theming ideas for merchandise. The presenter is planning to come back to our area in September and we hope to conduct another workshop and to generally seek to improve visual merchandising.

1. UPDATE ON NEW ITEMS OF BUSINESS AND RECENT ACTIVITIES OF COUNCIL

- **6.a Agribusiness Growth Funding Confirmed**

The Growing Agribusiness in the Narromine Shire project has secured funding under the Regional Growth Fund. Funding will contribute to an overall \$82,000 project with the main activity of the project to develop and market a campaign highlighting the benefits of undertaking business in the region, on the opportunities for growth and encouraging new business development. A secondary activity will be the formulation of a high level of business events which aims to encourage those seeking or considering business expansion to take the next steps. These workshops will be across the areas of business development, new technologies in Agriculture and opportunities associated with the Inland Rail.

State and Federal agencies will also contribute to the overall increased focus on agribusiness growth as a leading increased economic activity generally. One such project we are looking to encourage for our area is the Grow workshops which looks to develop skills in time management, communication, team management and much more in our female leaders.

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- **6.b Airventure Airshow**

Updates on progress towards the planning for this year's Airshow was shared with the group. The airshow is planned for the 19-21 of October 2017 with organisers planning to develop the event further in 2017.

A greater amount of information is due to be released with Council staff working with the organisers and local suppliers to maximize participation in the event and local business opportunities.

- **6.c Minister Nash's visit**

Senator Fiona Nash recently spent some time in Narromine and Trangie discussing development opportunities, business impediments and generally getting to know our communities more. Senator Nash visited with two senior staff and undertook a number of visits to local small businesses as well as meeting with Council staff.

- **6.d Inland Rail**

Those present broadly discussed some of the opportunities that may arise out of the development of the Inland Rail. Council staff along with local businesses are working to develop these opportunities and maximize local benefits.

Discussions in regards to the Environmental Impact are to be held soon in the Shire and all residents are encouraged to continue to learn more and provide input into the various discussions.

- **6e Regional Growth Fund**

Applications will soon be available to Local Governments and Community Groups for a number of funds as set out in the information provided by the State Government. Further details will be available from our Local Member soon. Narromine Shire will be working to apply for a number of grants over the coming months.

Community building and economic development activity will feature in some of these applications.

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- **6f Visit by Orana RDA**

The Orana RDA Board will meet in Narromine on the 7th of August 2017 throughout the morning and will be available for a town tour of local business in the afternoon. Activities are being developed in conjunction with the RDA office in Dubbo.

Narromine Shire Council will have the opportunity to present to the Board on impediments and opportunities for growth and this will also be a feature of the tour.

The Board would like to meet with EDG members over Dinner on the evening of the 7th of August. Details of the time and location of this event will be forwarded soon.

This is a wonderful opportunity for us to put business development issues and ideas to the RDA group who are actively seeking this input.

2. GENERAL DISCUSSIONS

General discussions were held in regard to the completion of the Economic Development Strategy, the need to formulate a long term main street improvement program along with a brief update on the review of Narromine Shire Council's, Rural Residential Strategy.

These items along with other activity will be highlighted in future meetings.