

**TENTERFIELD WATER SUPPLY – DROUGHT AUGMENTATION WORKS  
STATUS REPORT – 17 SEPTEMBER 2019**

No	Task	Comments
1	Emergency Drought Funding Application to Minister	Following an application for funding to the Minister for Water, an amount of \$373,000 has been received, which is part funding for the first stage of the project. Council is in almost daily contact with the Government regarding emergency funding and funding the future stages with an estimated cost of around \$3.2 million.
2	Water Search	Consultants Geo 9 Pty Ltd Hydrogeologists have completed the groundwater exploration site surveys. They presented their findings to the Shire on 7 August 2019. The test bore drilling has been completed on four of the thirteen possible sites. Only one in the in the Archery Club location was successful. This site has had the test pumping carried out and water samples taken for analysis. Other prospective test bore sites will be sunk during the forthcoming weeks. The fifth bore site, at the Tenterfield Station Homestead, has commenced but has suffered a temporary setback due to mechanical failure.
3	Drilling and Test Bore Establishment	Application submitted to Minister for Test Bore Work Orders and the Water Access Licence (WAL) applications will be submitted to the Natural Resources Access Regulator now the test bore locations have been identified and to be validated on site. NRAR has issued all of the test bore Licences. Concurrently, operational bore license applications have also been lodged and these are still being assessed.
4	Infrastructure Design	<u>Bores</u> – Consultant Geo 9 P/L and subcontract Hydro-geologist Zoic Environmental P/L. <u>Pumps</u> – Coffs Harbour City Council – Citysmart Solutions <u>Electricals/SCADA etc.</u> – Coffs Harbour City Council - Citysmart Solutions <u>Civils</u> – Coffs Harbour City Council – Coastal Works or Tenterfield Shire Council (depending on resource availability) <u>Bore water treatment</u> – MJM Environmental have been engaged to prepare the treatment options for the new bore field and submitted their final report for review to DoI Water and this has been moderated. The final treatment process will depend on the water quality test results from the test bores sunk.
5	Drilling and Production Bore Establishment	<u>Bores</u> – Water Resources Drilling P/L have been on site and drilled four test bores. They have confirmed they will be on site again on 18 September 2019. <u>Rising Main Design &amp; Construct</u> – Coffs Harbour City Council - <u>Electrical &amp; SCADA etc.</u> – Coffs Harbour City Council - Citysmart Solutions with local electrical contractor support as required
6	Dam Water Management	<u>Destratification / Aeration System</u> - Acqua & Co aerators installed with 3 phase power to dam eastern wall completed. <u>Remote water depth measurement</u> - Coffs Harbour City Council - Citysmart Solutions with local electrical contractor support as required
7	Project Management	Risk management and insurances being managed by TSC. Technical project management by LOGO consultants supported by TSC.
8	Water Quality Monitoring	Managed by TSC with an overview by Department of Health NSW (compliance). Technical design inputs from MJM Environmental P/L.

		Further testing, as per standard operating procedures, of the Shirley Park Bore water and the Dam water continues, along with water quality testing of the new bores.
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