Sinclair Knight Merz
100 Christie Street
St Leonards NSW 2065 Australia
Postal Address
PO Box 164 St Leonards NSW 2065 Australia

Tel: +61 2 9928 2100
Fax: +61 2 9928 2500
Web: www.globalskm.com

SKM

Paul Bennett
Director Environmental Services and Planning
Forbes Shire Council
P O Box 333
FORBES NSW 2871

7 March 2013 *Final Report.docx*

Dear Paul

Completion of Flood Assessment of Three Selected Areas in Forbes

Further to your email of 1 March 2013, the following are attached:

- Three (3) hard copies of the final report;
- 1 CD containing the final report in MSWord and PDF; and
- Our invoice for the study.

It has been a pleasure assisting Forbes Shire Council with this project and we look forward to the opportunity to assist Council on future projects. If you have any queries on any aspects of this study please contact me.

Yours sincerely

Akhter Hossain
Project Manager
Phone: 02 9928 2256
Fax: 02 9928 2224
E-mail: AHossain@globalskm.com

Encl

SINCLAIR KNIGHT MERZ
SKM

FORBES SHIRE COUNCIL

Flood Assessment for Rezoning of Three Areas in Forbes

- Final Report
- 28 February 2013

Flood Assessment for Rezoning of Three Areas in Forbes

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Sinclair Knight Merz
ABN 37 001 024 095
100 Christie Street
St Leonards NSW 2065 Australia
Postal Address
PO Box 164 St Leonards NSW 2065 Australia
Tel: +61 2 9928 2100
Fax: +61 2 9928 2500
Web: www.globalskm.com

LIMITATION: The sole purpose of this report and the associated services performed by Sinclair Knight Merz Pty Ltd (SKM) is to assess flood impacts due to the proposed rezoning of three areas in Forbes in accordance with the scope of services set out in the contract between SKM and Forbes Shire Council. That scope of services, as described in this report, was developed with Council.

In preparing this report, SKM has relied upon, and presumed accurate, certain information (or absence thereof) provided by the Client and other sources. Except as otherwise stated in the report, SKM has not attempted to verify the accuracy or completeness of any such information. If the information is subsequently determined to be false, inaccurate or incomplete then it is possible that our observations and conclusions as expressed in this report may change.

SKM derived the data in this report from a variety of sources. The sources are identified at the time or times outlined in this report. The passage of time, manifestation of latent conditions or impacts of future events may require further examination of the project and subsequent data analysis, and re-evaluation of the data, findings, observations and conclusions expressed in this report. SKM has prepared this report in accordance with the usual care and thoroughness of the consulting profession, for the sole purpose of the project and by reference to applicable standards, procedures and practices at the date of issue of this report. For the reasons outlined above, however, no other warranty or guarantee, whether expressed or implied, is made as to the data, observations and findings expressed in this report.

This report should be read in full and no excerpts are to be taken as representative of the findings. No responsibility is accepted by SKM for use of any part of this report in any other context.

This report has been prepared on behalf of, and for the exclusive use of, Forbes Shire Council, and is subject to, and issued in connection with, the provisions of the agreement between SKM and Council. SKM accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this report by any third party.

Contents

1. Introduction

1.1. Background

Forbes Shire Council (Council) is in the process of finalising the Draft Forbes Local Environment Plan (LEP) 2012 for submission to the Minister for approval of the Environmental Planning Instrument. Whilst the Draft Plan has been certified for exhibition, a number of matters have been identified which are required to be addressed by Council before the Draft Plan can be approved.

In particular, Council has been asked to undertake a sensitivity analysis of the hydraulic impacts to determine the feasibility of development below the 100 year Average Recurrence Interval (ARI) flood level in relation to the proposed residential land uses at the former Lachlan Vintage Village, River Road and Bathurst Street sites. This study has been commissioned by Council to undertake a sensitivity analysis of the hydraulic impacts due to these proposed residential land uses. .

1.2. Objective

The objective of this study is to assess flood impacts due to the proposed residential land uses at the former Lachlan Vintage Village, River Road and Bathurst Street sites, both separately and in combination, using the catchment inflow for the 1952 flood event. This flood event has been adopted by Council to define flood planning levels in the Forbes Township.

1.3. Proposed Residential Areas

Site boundaries for the proposed residential land uses at Bathurst Street, River Road and the former Lachlan Vintage Village sites, are shown in **Figure 1-1**. A description on the proposed nature of residential development for each area is given below:

- **Bathurst Street Site**: The site covers an area of 435ha which will include 58 additional Lots with *Zoned R5 - Large Lot Residential* development.
- **River Road Site**: The site covers an area of 241.5ha which will include 27 additional Lots with *Zoned R5 - Large Lot Residential* development and eight (8) existing Lots which will have new dwelling entitlements.
- **Former Lachlan Vintage Village Site**: The site covers an area of 73ha which will include fifteen (15) additional Lots with *Zoned R5 - Large Lot Residential* development.

FIGURE 1-1 Location of Three Areas in F

LEGEND

- Cadastre
- River Road Area
- Lachlan Vintage Village Area
- Bathurst Street Area

GDA1994 MGA ZONE 55

0 920

Metres

SPOT5 Image Captured on 7 March 2012 showing

SKM

1.4. Structure of the Report

This report is structured as follows:

- **Section 1 – Introduction**
- **Section 2 – Available Data**: Provides details on the data used in this study
- **Section 3 - Review of March 2012 Flood**: Compares the flood event of March 2012 flood with other major floods experienced in Forbes
- **Section 4 – Hydraulic Modelling**: Details flood impact assessment methodology and outcomes
- **Section 5 – Conclusions and recommendations**: Key conclusions and recommendations on the flood impact assessment for the proposed residential land uses in three areas of Forbes
- **Section 6 – References**: cited in the report
- **Appendix A - Hydraulic modelling results**

2. Available Data

All information used in this study was available from the following sources:

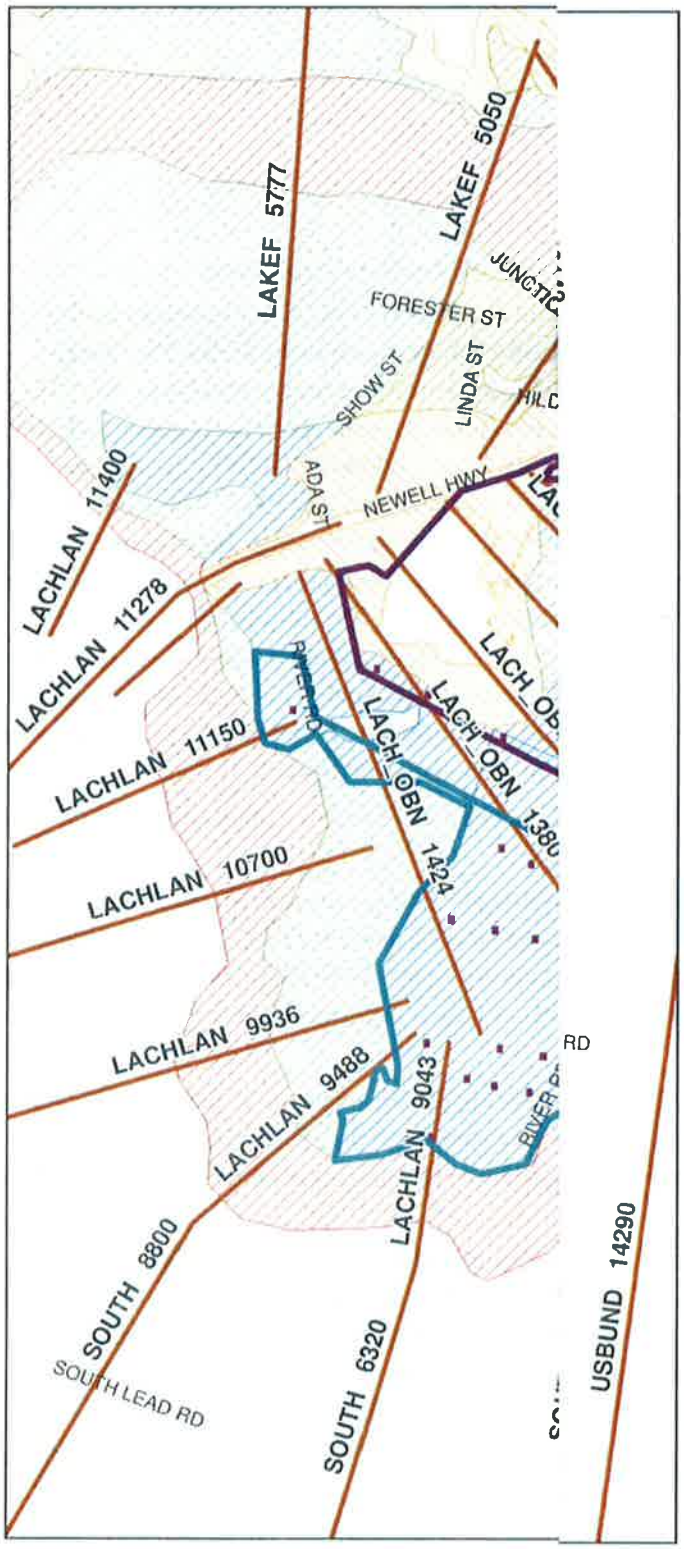
- **Forbes Flood Study (SKM 2001)**: Sinclair Knight Merz (SKM) was commissioned by Forbes Shire Council to carry out a review of flood levels contained in the Forbes Floodplain Management Report and Plan, 1994. Following a review, a revised flood study for Forbes was carried out using more accurate topographic survey data and updating the steady MIKE11 hydraulic model to an unsteady one utilising version 1999b of MIKE11. The unsteady MIKE11 model was calibrated against flood events of 1952 and 1990. The calibrated model was used to estimate flood levels with 1952 catchment inflow using 2000 topography. Model results and topographic data were utilised to prepare a flood hazard categorisation map for Forbes. The flood hazard map has been adopted in the Forbes Development Control Plan (DCP) No. 6 (Managing Our Flood Risks). The MIKE11 model developed and GIS layers used in flood hazard mapping in the 2001 Forbes Flood Study, were available to this flood impact assessment. MIKE11 cross sections and Flood Risk Precincts (FRP) adopted in Forbes DCP No. 6 in the proximity of the three sites are shown in **Figure 2-1**.
- **Topographic Data for Forbes**: Council provided the available topographic data for Forbes as x, y and z points.
- **Information on March 2012 Flood in Forbes**: The flood event of March 2012 is the most recent largest flood event in Forbes since completion of the Forbes Flood Study, 2001. Information on the March 2012 flood was provided by NSW Office of Environment and Heritage (OEH) to SKM for another study. A review on the information provided by OEH is presented in Section 3.
- **Information on indicative location of building platforms for three proposed residential areas**: Council provided information on indicative locations of building platforms for the proposed residential areas. Indicative locations of the building platforms are shown in **Figure 2-1**.

  Figure 2-1 shows that for the Bathurst Street site, a Flood Risk Precinct (FRP) is not defined for more than half of the area. The FRP is Low Hazard Flood Fringe and contains seven (7) proposed building platforms, with the remaining area of the site, containing 51 building platforms, being located within the Rural Flood Precinct. Note that the Forbes DCP No. 6 classified the entire Rural Flood Precinct as provisional High Hazard Flood Fringe. .

  In the case of the River Road site, 34 building platforms are located in the Low Hazard Flood Storage Precinct and 1 platform is located in the High Hazard Flood Storage Precinct.

  All 15 building platforms in the former Lachlan Vintage Village site are located in the Low Hazard Flood Storage Precinct.

FIGURE 2-1 Indicative Location of Buildi



LEGEND

- Cadastre
- River Road Area
- Lachlan Vintage Village Area
- Bathurst Street Area
- Indicative location of building platform
- High Hazard Flood Fringe
- High Hazard Flood Storage
- High Hazard Floodway
- Low Hazard Flood Fringe
- Low Hazard Flood Storage
- MIKE11 Cross Section
- Indicative location of building platform

GDA1994 MGA ZONE 55

0 920

Metres

SKM

3. Review of March 2012 Flood

3.1. Background

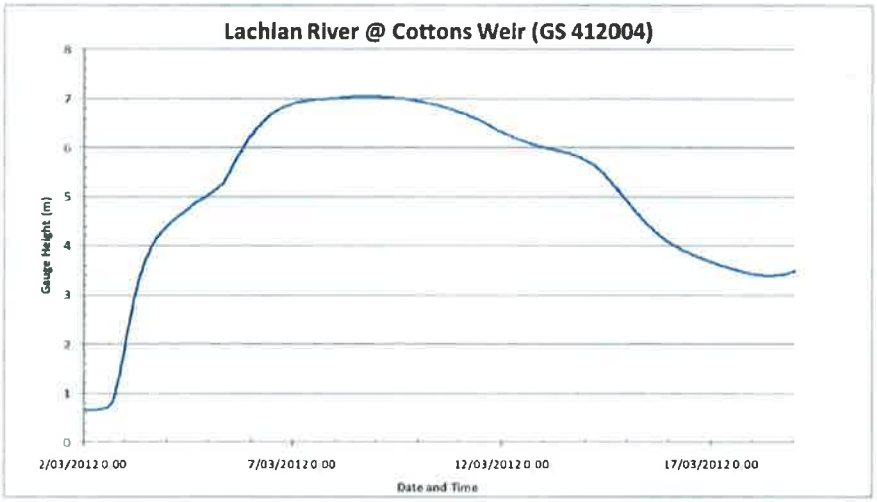
The flood of March 2012 was the largest event after the Forbes DCP No. 6 was adopted by Council in 2002. NSW OEH captured satellite images and collated streamflow gauging and hydrometric data for this flood event. The Spot 5 imagery presented in **Figure 1-1** shows the extent of flooding in three areas on 7 March 2012. **Figure 1-1** indicates that whilst the former Lachlan Vintage Village site is not flooded, parts of Bathurst Street and River Road sites experienced flood inundation. Information on flood affection to existing properties within the three areas for the flood event of March 2012 was not available to this study. A comparison between the March 2012 flood with other historic flood events of similar size and also the 1952 flood (which is the planning flood for Forbes) is discussed in the following sections.

3.2. Available Data

OEH provided the following information for the flood event of March 2012:

- Hourly water level and discharge data for March 2012 at a number of streamflow gauging stations including the gauging station Lachlan River @ Cottons Weir (GS 412004). The hourly water level hydrograph for Lachlan River @ Cottons Weir gauging station is shown in **Figure 3-1** which indicates that the peak gauge height was recorded on 8 March 2012.
- Streamflow gauging data provided by NSW Office of Water. Relevant data are shown in **Table 3-1** which indicates that the flow gauging was undertaken when the flood was at its peak in Forbes.
- Geo-referenced 2012 Spot 5 images captured on 7, 10, 12, 15 and 16 of March 2012. The image captured on 7 March 2012 is the closest to the flood peak at Forbes. Flooding in the three proposed residential areas are shown in **Figure 1-1**.

- **Figure 3-1 Hourly Water Level Hydrograph for March 2012 Flood Event**



- **Table 3-1 Flood Data for March 2012 Event**

Gauging Station	Time	Gauge Height (m)	Discharge (ML/day)	Remarks
Lachlan River @ Cottons Weir (GS 412004)	12:00 hrs 08/03/12	7.075	27,926	Lachlan River
			16,600	Lake Forbes
			428	Battye St
			319	Causeway on LB
			45,332	**Total**
Bundaburrah Ck @ Newell Hwy (GS 412143)	13:15 hrs 08/03/12	5.045	14,698	

3.3. Comparison of March 2012 Flood with Other Major Flood Events

Recorded peak gauge heights for the March 2012 event are compared with peak gauge heights for other major flood events in **Table 3-2**. This shows that peak gauge heights at two gauges on the Lachlan River for the March 2012 event are slightly higher than the flood events of October 1976 and October 1996, and lower than the flood events of April and August 1990, September 1974 and June 1952. The peak water level in the Lachlan River @ Cottons Weir during March 2012 was 0.5m lower than June 1952 flood event.

Table 3-2 Recorded Gauge Heights (m) in Forbes for Major Flood Events

Flood Event	Lachlan River @ Forbes Iron Bridge	Lachlan River @ Cottons Weir
Jun 1952	10.79	7.57
Aug 1990	10.64	7.30
Sep 1974	10.62	7.27
Apr 1990	10.61	7.17
Mar 2012	10.55	7.07
Oct 1976	10.46	6.96
Oct 1996	10.46	6.42

3.4. Adopted Flood and Flood Levels for Forbes

Forbes DCP No. 6 defines the 1952 flood as the adopted flood under the current land use and topography conditions, and hence, the adopted flood level for planning purposes.

4. Hydraulic Modelling

4.1. Background

A hydrodynamic model was formulated as part of Forbes Flood Study (SKM 2001) using the MIKE11 (version 1999b) modelling system. Topographic data utilised to develop the model were sourced from: a previous MIKE11model for Forbes; detailed topographic survey for the township; additional topographic survey undertaken for the 2001 study; and the 1936 compilation irrigation maps. The MIKE11 model was calibrated against the flood events of August 1990 and June 1952. The calibrated model was updated to represent the 2000 topography and the model was run for the 1952 flood to define flood levels, flood extents and flood hazards. An extreme flood (equivalent to 2 times 1952 flood) under 2000 topography was also assessed in the 2001 Flood Study. Modelling results and a digital terrain model were used to delineate flood hazard maps and flood categorisations using the NSW Government's Floodplain Management Manual (January 2001). The following flood categories were defined in the 2001 Forbes Flood Study and were subsequently adopted in the Forbes DCP No. 6:

- High Hazard Floodway;
- High Hazard Flood Storage;
- High Hazard Flood Fringe;
- Low Hazard Flood Storage; and
- Low Hazard Flood Fringe.

4.2. Updating of the Hydraulic Model

Details on the MIKE11 model formulated in the 2001 Forbes Flood Study are presented in the Flood Study Report (SKM 2001). A review of MIKE11 cross sections (shown in **Figure 2-1**) in the vicinity of the three areas proposed for residential zoning indicated that cross sections are spaced approximately one kilometre apart along the Lachlan River (MIKE11 branch called LACHLAN) and Lake Forbes (MIKE11 branch called LAKEF).

In order to represent the proposed building platforms (say 25m x 20m for each building), additional cross sections needed to be included in the MIKE11 model. A feasible way to include additional cross sections in the MIKE11 model was to interpolate cross sections. However, the MIKE11 version 1999b does not have the provision to interpolate cross sections. Hence, the MIKE11 model for Forbes was converted to MIKE11 version 2009.

The upgraded MIKE11 model was run for the 1952 flood under 2000 topography and model results were compared against results adopted in the 2001 Forbes Flood Study. A comparison of modelling results indicated up to 1m difference in peak water levels between the two models at a

number of cross sections along the Lachlan River and Lake Forbes. Due to the significant differences in model results between the two models, the upgraded MIKE11 model would require re-calibration against the flood events of 1952 and 1990, which were used to calibrate the MIKE11 model in the 2001 Forbes Flood Study. After consultation with Council, considering the nature of the sensitivity assessment and cost implications, it was decided to use the version 1999b of MIKE11 in this flood assessment.

In order to develop interpolated cross sections for the version 1999b of MIKE11 model, sections were initially generated in MIKE11 version 2009 for the following model reaches:

- LACHLAN -1360 to LACHLAN 2937
- LACHLAN 6463 to LACHLAN 11250
- LAKEF -1400 to LAKEF 2852
- LACH_OBN 407 to LACH_OBN 1424
- OXFD 380 to OXFD 714.

The MIKE11 version 2009 interpolated cross sections up to a maximum spacing of 25m for all but LACHLAN branch where the maximum spacing was 100m. The interpolated cross sections were then exported from the MIKE11 version 2009 into MIKE11 version 1999b.

4.3. Representation of Building Platforms in the MIKE11 Model

A Digital Elevation Model (DEM) was created in ArcGIS utilising topographic data points provided by Council. The DEM was interrogated to obtain approximate ground levels in the vicinity of indicative building platforms identified by Council. The MIKE11 cross section located in close proximity of a building platform was modified to represent the building platform as a solid obstruction in the MIKE11 model. A sample cross section with and without a building platform is shown in **Figure 4-1**. This approach of representing building platforms in MIKE11 model is considered a conservative one as it is unlikely that all buildings would be constructed on solid platforms. Building platforms were added to MIKE11cross sections in such a way so that flood impacts for the three proposed residential areas could be assessed separately and cumulatively.

There are special requirements in Forbes DCP No. 6 for fencing to ensure fencing will not result in the undesirable obstruction of free flow of floodwaters. Hence, obstruction to flooding due to fencing in the proposed residential areas is expected to be minimal.

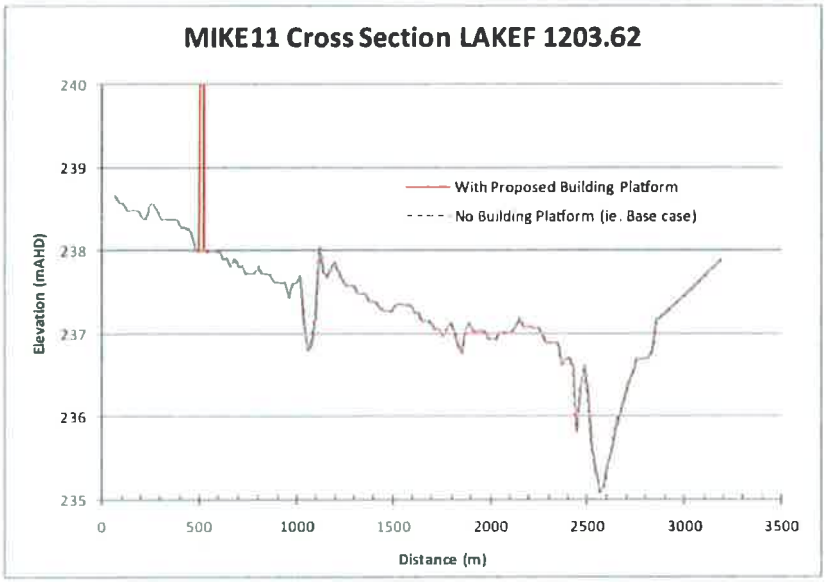
Considering the low density of buildings (being large residential lots), it was assumed that no further infrastructure development would occur in the three area which would impede flood flow.

4.4. Modelled Scenarios

The following scenarios were assessed using the MIKE11 model for the 1952 flood:

- Base case (ie. existing topography without platforms for the proposed buildings);
- Base case with the proposed building platforms for Bathurst Street area (Op 1);
- Base case with the proposed building platforms for River Road area (Op 2);
- Base case with the proposed building platforms for the former Lachlan Vintage Village area (Op 3); and
- Base case with the proposed building platforms for all three areas (Op 4).

Figure 4-1 Representation of a Building Platform in MIKE11



4.5. Comparison of Modelling Results

4.5.1. Base Case

Approximately 300 interpolated cross sections were included in the MIKE11 model to represent the base case for this study. Hence, some changes in modelled flood behaviour were expected. A comparison of modelled flood levels adopted in the 2001 Forbes Flood Study (for the scenario representing 1952 flow with 2000 topography) with modelled peak flood levels for the base case (adopted in this study) indicating differences in peak flood levels between +0.15m to - 0.11m. The range of variation in modelled peak water levels is considered acceptable for the purpose of this hydraulic sensitivity assessment.

Detailed results for all scenarios are presented in **Appendix A**

Considering the relatively minor difference in peak flood levels between this study and the 2001 study and the relative nature of this sensitivity assessment, the modelled flood behaviour was accepted to assess relative impacts due to the three proposed residential areas in Forbes.

4.5.2. Proposed Residential Area in Bathurst Street Area

Differences in modelled peak flood levels between this scenario (Op1) and the base case vary between +0.03m to -0.01m. Increments in flood levels in excess of 0.01m occur in the reach of the Lachlan River between cross section LACHLAN -1360 and LACHLAN 940. (refer to Table A2 in **Appendix A**) Changes in flood levels at Lake Forbes are less than 0.01m. Changes in modelled peak discharges along the major flow paths between this scenario (ie. Op1) and the base case are less than 5% (refer to Table A3 in **Appendix A**). However, increment in peak discharge is 12% in a link channel defined in the MIKE11 model which connects cross section LACHLAN 0 with cross section LAKEF 1351. The increment in discharge results from the increased water level at cross section LACHLAN 0. Changes in peak flow velocities are minor. No changes in flood hazard are expected due to the minor changes in peak flood levels and velocities.

Rural properties are located within and adjoining the Bathurst Street site which may be impacted by the proposed residential area. However, information on floor levels for the existing buildings and flood affection to the buildings was not available to this study.

4.5.3. Proposed Residential Area in River Road Area

Differences in modelled peak flood levels between this scenario (Op2) and the base case are less than 0.01m. Changes in modelled peak discharges along the major flow paths between this scenario and the base case are less than 5%. Changes in peak flow velocities are minor. No changes in flood hazard are expected due to the minor changes in peak flood levels and velocities.

4.5.4. Proposed Residential Area in the Former Lachlan Vintage Village Area

Differences in modelled peak flood levels between this scenario (Op3) and the base case are considered insignificant. Changes in modelled peak discharges and velocities are almost negligible. No changes in flood hazard are expected due to negligible changes in flood levels and velocities.

4.5.5. Cumulative Impact Assessment

Modelling results for this scenario (Op4) are very similar to Op1 with differences in modelled peak flood levels of between +0.03m to -0.01m. Increments in flood levels in excess of 0.01m occur in the reach of the Lachlan River between cross section LACHLAN -1360 and LACHLAN 940. (refer

to Table A2 in **Appendix A**). Changes in flood levels in Lake Forbes are less than 0.01m. Changes in modelled peak discharges along major flow paths between this scenario (ie. Op4) and the base case are less than 5%. Similar to Op1, the maximum increment in peak discharge occurs in the same link channel which connects cross section LACHLAN 0 with cross section LAKEF 1351. The increment in peak discharge in the link channel results from increased flood level at cross section LACHLAN 0 due to the proposed residential area in Bathurst Street site. Changes in peak flow velocities are small. No changes in flood hazard are expected due to minor changes in peak flood levels and velocities resulting from all building platforms in the three areas.

4.6. Conclusion on Flood Impacts

Approximately 300 interpolated cross sections were included in the MIKE11 model used in the 2001 Forbes Flood Study to assess individual and cumulative hydraulic impacts for the 1952 flood inflow due to the proposed buildings platforms for the Bathurst Street, River Road and former Lachlan Vintage Village area. Each building platform, representing approximately 500 square metres area, was represented in the MIKE11 model as a solid obstruction based on indicative locations of building platforms provided by Council. This is considered a conservative approach as it is very unlikely that all buildings would be constructed on solid platforms. Obstruction to flow due to fencing was considered negligible as there are prescriptive controls in the Forbes DCP No. 6 relating to fencing. It was assumed that no further infrastructure development would occur in the three areas which would impede flood flow.

Hydraulic impacts due to proposed residential buildings within the former Lachlan Vintage Village and River Road areas are considered to be negligible and minor, respectively, and are beyond the confidence limit (ie. +/-0.01m) of the computer model (SKM 2001). However, hydraulic impacts within the Bathurst Street area resulted in up to a 0.03m increment in flood level in the Lachlan River. Although this increment in flood level is considered reasonable for rural floodplains, Council needs to assess whether the increment in flood level on existing developments is acceptable to the community. If the increment in flood levels on existing developments is unacceptable to the community, Council could consider applying planning controls to minimise loss of floodplain storage within the Bathurst Street area. Planning controls could include: reduction in development density; restriction on the height of solid building platforms; constructing buildings on suspended slabs; and by constructing buildings on higher ground which were not subject to flood inundation during the March 2012 flood event.

5. Conclusions and Recommendations

5.1. Conclusions

Forbes Shire Council proposed *Zone R5 - Large Lot Residential* developments (minimum size of each Lot being 2ha) in its Draft LEP 2012 at the former Lachlan Vintage Village (15 Lots), River Road (27 additional Lots and 8 existing Lots with new dwelling entitlements) and Bathurst Street areas (58 additional Lots). All areas where large lot developments are proposed by Council are impacted by the adopted flood (1952 flood flow with 2000 topography) in the Forbes DCP No. 6. Council has been asked by the NSW OEH to undertake a sensitivity analysis of the hydraulic impacts in relation to the proposed residential land uses for the three areas.

Hydraulic impacts due to the proposed residential land uses for the three areas were assessed individually, and cumulatively, for the adopted flood event (ie. 1952 flood flow with 2000 topography) utilising the same MIKE11 hydraulic model which was utilised in the latest flood study for Forbes completed in November 2001. An additional 300 interpolated cross sections were included in the MIKE11 model for the purpose of this hydraulic sensitivity assessment.

Indicative locations of building platforms for all proposed buildings were provided by Council. Each building platform, representing approximately 500 square metres area, was represented in the MIKE11 model as a solid obstruction. Obstruction to flow due to fencing was considered negligible as there are prescriptive controls in the Forbes DCP No. 6 relating to fencing. It was assumed that no further infrastructure development would occur in the three areas which would impede flood flow.

Hydraulic impacts due to proposed residential buildings within the former Lachlan Vintage Village and River Road areas are considered to be negligible and minor, respectively, and are beyond the confidence limit (ie. +/-0.01m) of the computer model (SKM 2001). However, hydraulic impacts due the proposed residential buildings within the Bathurst Street area resulted in a maximum 0.03m increment in flood level in the Lachlan River. Cumulative hydraulic impacts due to the proposed buildings in three areas are similar to impacts caused by the proposed buildings located within Bathurst Street area. The proposed buildings in each area did not increase flood hazard individually or cumulatively.

5.2. Recommendations

The maximum increment in flood levels (0.03m) resulted from the proposed buildings in the Bathurst Street area. More than 50% of the site is zoned as Rural Flood Precinct in the Forbes DCP No.6. An increment in flood levels of 0.03m is generally acceptable to stakeholders on rural floodplains. However, Council needs to assess whether this increment in flood level is acceptable to existing stakeholders. If the increment in flood levels is unacceptable, Council could consider

applying planning controls to minimise the loss of floodplain storage within the Bathurst Street area. Planning controls to minimise the loss of floodplain storage could include: reduction in development density; restriction on the height of solid building platforms; constructing buildings on suspended slabs; and by constructing buildings on higher ground which were not subject to flood inundation during the March 2012 flood event.

In the case of the River Road site, Council could consider to move one building platform from High Hazard to Low Hazard flood precinct.

A review of other flooding issues (eg. flood warning, evacuation etc) for the proposed residential areas was not evaluated as part of this study. Consultation with the State Emergency Service would identify the implications (if any) of the proposed residential areas on flood warning and evacuation.

6. References

Forbes Shire Council (2012) Forbes Development Control Plan No. 6 (Managing Our Flood Risks)

SKM (2001) Forbes Flood Study, Final Report, November 2001

Appendix A Modelling Results

Table A1 Comparison of Peak Water Levels (PWL) with 2001 Study

MIKE11 Cross Section	Observed Recorded 1952 Flood Levels (mAHD)[a]	Model Calibration Results (PWL) for 1952 Flood (mAHD)[a]	Modelled PWL for 1952 Flood Flow with 2000 Topography		Difference in PWL (m)	
			2001 Study (mAHD)[a]	Base Case (mAHD)	(4) - (3)	(5) - (4)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
BATT -25.00	239.13	239.005	239.052	239.104	0.047	0.052
BATT 25.00	239.03	238.967	239.015	239.066	0.048	0.051
BATT 225.00	238.76	238.707	238.748	238.791	0.041	0.043
BATT 509.00	237.81	237.881	237.88	237.87	-0.001	-0.01
LACH_OBN 0.00	239	238.9	238.908	238.904	0.008	-0.004
LACH_OBN 162.00	238.74	238.591	238.601	238.595	0.01	-0.006
LACH_OBN 407.00	237.75	237.885	237.888	237.924	0.003	0.036
LACH_OBN 629.00	237.6	237.506	237.514	237.522	0.008	0.008
LACH_OBN 886.00	237.19	237.321	237.33	237.361	0.009	0.031
LACHLAN 3553.00	238.92	238.788	238.783	238.779	-0.005	-0.004
LACHLAN 9936.00	236.76	236.85	236.864	236.878	0.014	0.014
LACHLAN 11250.00	236.65	236.543	236.496	236.53	-0.047	0.034
LAKEF 2436.00	239.3	239.124	239.188	239.237	0.064	0.049
LAKEF 2869.00	239.25	239.103	239.17	239.217	0.067	0.047
LAKEF 3089.00	239.13	239.005	239.052	239.104	0.047	0.052
LAKEF 3704.00	239.03	238.898	238.962	239.028	0.064	0.066
LAKEF 3724.00	238.77	238.773	238.857	238.943	0.084	0.086
LAKEF 4061.00	238.67	238.656	238.759	238.863	0.103	0.104
LAKEF 4265.00	238.48	238.441	238.432	238.578	-0.009	0.146
LAKEF 4574.00	238.16	238.002	237.956	237.876	-0.046	-0.08
LAKEF 5044.00	237.57	237.66	237.631	237.56	-0.029	-0.071
LAKEF 5064.00	237.57	237.628	237.606	237.54	-0.022	-0.066
LAKEF 5777.00	237.3	237.093	237.166	237.06	0.073	-0.106
LAKEF 7660.00	236.2	236.144	236.087	236.121	-0.057	0.034
LAKEF 8552.00	235.78	235.893	235.85	235.876	-0.043	0.026
OXFD 119.00	238.15	238.158	238.203	238.247	0.045	0.044
OXFD 380.00	237.69	237.62	237.64	237.65	0.02	0.01
OXFD 454.00	237.66	237.587	237.601	237.617	0.014	0.016
OXFD 714.00	237.57	237.527	237.536	237.546	0.009	0.01
BATH 390.00	239.305	239.115	239.178	239.223	0.063	0.045
RLF01 0.00	239.25	239.124	239.188	239.237	0.064	0.049
STHXCAMPW 0.00	240.55	240.385	240.391	240.426	0.006	0.035
COLLEGE3 0.00	238.68	238.722	238.716	238.711	-0.006	-0.005
Maximum					0.103	0.146
Minimum					-0.057	-0.106

[a] Forbes Flood Study (2001); PWL - Peak Water Level

Table A2 Modelled Peak Water Levels for all Scenarios

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
BATT -25.00	239.104	239.111	239.104	239.104	239.111	0.007	0.000	0.000	0.007
BATT 0.00	239.083	239.09	239.083	239.083	239.09	0.007	0.000	0.000	0.007
BATT 25.00	239.066	239.073	239.066	239.066	239.073	0.007	0.000	0.000	0.007
BATT 50.00	239.026	239.034	239.026	239.026	239.034	0.008	0.000	0.000	0.008
BATT 129.00	238.914	238.921	238.914	238.914	238.921	0.007	0.000	0.000	0.007
BATT 145.00	238.873	238.88	238.873	238.873	238.88	0.007	0.000	0.000	0.007
BATT 225.00	238.791	238.797	238.791	238.791	238.797	0.006	0.000	0.000	0.006
BATT 325.00	238.543	238.549	238.543	238.543	238.549	0.006	0.000	0.000	0.006
BATT 401.00	238.225	238.23	238.225	238.225	238.23	0.005	0.000	0.000	0.005
BATT 509.00	237.87	237.874	237.871	237.87	237.874	0.004	0.001	0.000	0.004
BATT 650.00	237.603	237.606	237.603	237.603	237.606	0.003	0.000	0.000	0.003
LACH_OBN 0.00	238.904	238.897	238.903	238.904	238.897	-0.007	-0.001	0.000	-0.007
LACH_OBN 109.00	238.899	238.892	238.898	238.899	238.892	-0.007	-0.001	0.000	-0.007
LACH_OBN 162.00	238.595	238.587	238.595	238.595	238.586	-0.008	0.000	0.000	-0.009
LACH_OBN 280.00	238.179	238.172	238.178	238.179	238.172	-0.007	-0.001	0.000	-0.007
LACH_OBN 407.00	237.924	237.918	237.923	237.924	237.917	-0.006	-0.001	0.000	-0.007
LACH_OBN 407.00	237.924	237.918	237.923	237.924	237.917	-0.006	-0.001	0.000	-0.007
LACH_OBN 431.67	237.819	237.813	237.818	237.819	237.812	-0.006	-0.001	0.000	-0.007
LACH_OBN 456.33	237.736	237.73	237.736	237.737	237.73	-0.006	0.000	0.001	-0.006
LACH_OBN 481.00	237.663	237.657	237.662	237.663	237.657	-0.006	-0.001	0.000	-0.006
LACH_OBN 505.67	237.605	237.6	237.605	237.606	237.6	-0.005	0.000	0.001	-0.005
LACH_OBN 530.33	237.568	237.563	237.568	237.569	237.564	-0.005	0.000	0.001	-0.004
LACH_OBN 555.00	237.546	237.542	237.546	237.547	237.543	-0.004	0.000	0.001	-0.003
LACH_OBN 579.67	237.534	237.529	237.534	237.535	237.531	-0.005	0.000	0.001	-0.003
LACH_OBN 604.33	237.527	237.523	237.527	237.528	237.525	-0.004	0.000	0.001	-0.002
LACH_OBN 629.00	237.522	237.518	237.522	237.523	237.52	-0.004	0.000	0.001	-0.002
LACH_OBN 629.00	237.522	237.518	237.522	237.523	237.52	-0.004	0.000	0.001	-0.002
LACH_OBN 652.36	237.51	237.506	237.51	237.512	237.508	-0.004	0.000	0.002	-0.002
LACH_OBN 675.73	237.498	237.494	237.498	237.5	237.497	-0.004	0.000	0.002	-0.001
LACH_OBN 699.09	237.486	237.482	237.486	237.488	237.485	-0.004	0.000	0.002	-0.001
LACH_OBN 722.45	237.474	237.47	237.474	237.476	237.473	-0.004	0.000	0.002	-0.001
LACH_OBN 745.80	237.461	237.457	237.461	237.464	237.461	-0.004	0.000	0.003	0.000
LACH_OBN 769.18	237.447	237.444	237.447	237.45	237.448	-0.003	0.000	0.003	0.001
LACH_OBN 792.55	237.432	237.429	237.433	237.435	237.433	-0.003	0.001	0.003	0.001
LACH_OBN 815.91	237.417	237.414	237.418	237.421	237.419	-0.003	0.001	0.004	0.002
LACH_OBN 839.27	237.4	237.396	237.401	237.403	237.401	-0.004	0.001	0.003	0.001
LACH_OBN 862.64	237.382	237.378	237.383	237.383	237.381	-0.004	0.001	0.001	-0.001
LACH_OBN 886.00	237.361	237.358	237.362	237.362	237.361	-0.003	0.001	0.001	0.000
LACH_OBN 910.09	237.341	237.337	237.341	237.34	237.34	-0.004	0.000	-0.001	-0.001
LACH_OBN 934.18	237.32	237.316	237.321	237.319	237.319	-0.004	0.001	-0.001	-0.001
LACH_OBN 958.27	237.299	237.295	237.3	237.3	237.298	-0.004	0.001	0.001	-0.001
LACH_OBN 982.36	237.278	237.275	237.279	237.28	237.278	-0.003	0.001	0.002	0.000
LACH_OBN 1006.46	237.26	237.256	237.261	237.261	237.259	-0.004	0.001	0.001	-0.001
LACH_OBN 1030.55	237.241	237.238	237.244	237.243	237.241	-0.003	0.003	0.002	0.000
LACH_OBN 1054.64	237.224	237.221	237.227	237.226	237.224	-0.003	0.003	0.002	0.000
LACH_OBN 1078.73	237.21	237.206	237.212	237.211	237.209	-0.004	0.002	0.001	-0.001

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LACH_OBN 1102.82	237.197	237.193	237.2	237.198	237.197	-0.004	0.003	0.001	0.000
LACH_OBN 1126.91	237.187	237.183	237.189	237.187	237.186	-0.004	0.002	0.000	-0.001
LACH_OBN 1151.00	237.177	237.174	237.179	237.177	237.177	-0.003	0.002	0.000	0.000
LACH_OBN 1173.90	237.168	237.165	237.171	237.168	237.168	-0.003	0.003	0.000	0.000
LACH_OBN 1196.80	237.156	237.153	237.159	237.156	237.156	-0.003	0.003	0.000	0.000
LACH_OBN 1219.70	237.142	237.139	237.144	237.142	237.141	-0.003	0.002	0.000	-0.001
LACH_OBN 1242.60	237.125	237.121	237.127	237.124	237.124	-0.004	0.002	-0.001	-0.001
LACH_OBN 1265.50	237.102	237.099	237.105	237.102	237.102	-0.003	0.003	0.000	0.000
LACH_OBN 1288.40	237.077	237.073	237.08	237.077	237.077	-0.004	0.003	0.000	0.000
LACH_OBN 1311.30	237.046	237.043	237.05	237.046	237.047	-0.003	0.004	0.000	0.001
LACH_OBN 1334.20	237.007	237.003	237.012	237.007	237.01	-0.004	0.005	0.000	0.003
LACH_OBN 1357.10	236.951	236.948	236.958	236.952	236.955	-0.003	0.007	0.001	0.004
LACH_OBN 1380.00	236.857	236.852	236.861	236.858	236.858	-0.005	0.004	0.001	0.001
LACH_OBN 1380.00	236.857	236.852	236.861	236.858	236.858	-0.005	0.004	0.001	0.001
LACH_OBN 1402.00	236.782	236.775	236.781	236.782	236.774	-0.007	-0.001	0.000	-0.008
LACH_OBN 1424.00	236.783	236.776	236.782	236.783	236.776	-0.007	-0.001	0.000	-0.007
LACHLAN -1360.00	240.195	240.209	240.195	240.195	240.209	0.014	0.000	0.000	0.014
LACHLAN -1262.86	240.186	240.2	240.186	240.186	240.2	0.014	0.000	0.000	0.014
LACHLAN -1165.71	240.178	240.193	240.178	240.178	240.193	0.015	0.000	0.000	0.015
LACHLAN -1068.57	240.171	240.186	240.171	240.171	240.186	0.015	0.000	0.000	0.015
LACHLAN -971.43	240.166	240.18	240.166	240.166	240.18	0.014	0.000	0.000	0.014
LACHLAN -874.29	240.161	240.176	240.161	240.161	240.176	0.015	0.000	0.000	0.015
LACHLAN -777.14	240.156	240.172	240.156	240.156	240.172	0.016	0.000	0.000	0.016
LACHLAN -680.00	240.152	240.167	240.152	240.152	240.167	0.015	0.000	0.000	0.015
LACHLAN -582.86	240.148	240.163	240.148	240.148	240.163	0.015	0.000	0.000	0.015
LACHLAN -485.71	240.143	240.158	240.143	240.143	240.158	0.015	0.000	0.000	0.015
LACHLAN -291.43	240.127	240.143	240.127	240.127	240.143	0.016	0.000	0.000	0.016
LACHLAN -194.29	240.112	240.129	240.112	240.112	240.129	0.017	0.000	0.000	0.017
LACHLAN -97.14	240.082	240.1	240.082	240.082	240.1	0.018	0.000	0.000	0.018
LACHLAN 0.00	239.98	240.003	239.979	239.98	240.003	0.023	-0.001	0.000	0.023
LACHLAN 0.00	239.98	240.003	239.979	239.98	240.003	0.023	-0.001	0.000	0.023
LACHLAN 94.00	239.973	239.997	239.973	239.973	239.997	0.024	0.000	0.000	0.024
LACHLAN 188.00	239.962	239.986	239.962	239.962	239.986	0.024	0.000	0.000	0.024
LACHLAN 282.00	239.946	239.971	239.946	239.946	239.971	0.025	0.000	0.000	0.025
LACHLAN 376.00	239.927	239.953	239.927	239.927	239.953	0.026	0.000	0.000	0.026
LACHLAN 470.00	239.903	239.93	239.903	239.903	239.93	0.027	0.000	0.000	0.027
LACHLAN 564.00	239.873	239.902	239.873	239.873	239.902	0.029	0.000	0.000	0.029
LACHLAN 658.00	239.833	239.858	239.834	239.833	239.858	0.025	0.001	0.000	0.025
LACHLAN 752.00	239.779	239.801	239.779	239.779	239.801	0.022	0.000	0.000	0.022
LACHLAN 846.00	239.701	239.727	239.701	239.701	239.727	0.026	0.000	0.000	0.026
LACHLAN 940.00	239.575	239.592	239.575	239.575	239.591	0.017	0.000	0.000	0.016
LACHLAN 1034.00	239.297	239.306	239.296	239.297	239.306	0.009	-0.001	0.000	0.009
LACHLAN 1034.00	239.297	239.306	239.296	239.297	239.306	0.009	-0.001	0.000	0.009
LACHLAN 1126.75	239.323	239.324	239.323	239.323	239.324	0.001	0.000	0.000	0.001
LACHLAN 1219.50	239.324	239.331	239.324	239.324	239.331	0.007	0.000	0.000	0.007
LACHLAN 1312.25	239.319	239.318	239.318	239.319	239.317	-0.001	-0.001	0.000	-0.002

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LACHLAN 1405.00	239.308	239.305	239.308	239.308	239.305	-0.003	0.000	0.000	-0.003
LACHLAN 1497.75	239.293	239.287	239.293	239.293	239.287	-0.006	0.000	0.000	-0.006
LACHLAN 1590.50	239.276	239.268	239.276	239.276	239.268	-0.008	0.000	0.000	-0.008
LACHLAN 1683.25	239.258	239.249	239.258	239.258	239.248	-0.009	0.000	0.000	-0.010
LACHLAN 1776.00	239.241	239.232	239.241	239.241	239.231	-0.009	0.000	0.000	-0.010
LACHLAN 1776.00	239.241	239.232	239.241	239.241	239.231	-0.009	0.000	0.000	-0.010
LACHLAN 1851.67	239.225	239.216	239.225	239.225	239.216	-0.009	0.000	0.000	-0.009
LACHLAN 1927.33	239.21	239.201	239.21	239.21	239.201	-0.009	0.000	0.000	-0.009
LACHLAN 2003.00	239.195	239.186	239.194	239.195	239.186	-0.009	-0.001	0.000	-0.009
LACHLAN 2003.00	239.195	239.186	239.194	239.195	239.186	-0.009	-0.001	0.000	-0.009
LACHLAN 2092.50	239.176	239.167	239.176	239.176	239.167	-0.009	0.000	0.000	-0.009
LACHLAN 2182.00	239.152	239.144	239.152	239.152	239.143	-0.008	0.000	0.000	-0.009
LACHLAN 2271.50	239.122	239.114	239.122	239.122	239.114	-0.008	0.000	0.000	-0.008
LACHLAN 2361.00	239.081	239.073	239.08	239.081	239.072	-0.008	-0.001	0.000	-0.009
LACHLAN 2361.00	239.081	239.073	239.08	239.081	239.072	-0.008	-0.001	0.000	-0.009
LACHLAN 2440.67	239.067	239.057	239.066	239.067	239.057	-0.010	-0.001	0.000	-0.010
LACHLAN 2520.33	239.058	239.05	239.058	239.058	239.05	-0.008	0.000	0.000	-0.008
LACHLAN 2600.00	239.054	239.046	239.054	239.054	239.045	-0.008	0.000	0.000	-0.009
LACHLAN 2679.25	239.044	239.036	239.044	239.044	239.036	-0.008	0.000	0.000	-0.008
LACHLAN 2758.50	239.029	239.021	239.029	239.029	239.021	-0.008	0.000	0.000	-0.008
LACHLAN 2837.75	239.004	238.996	239.004	239.004	238.996	-0.008	0.000	0.000	-0.008
LACHLAN 2917.00	238.94	238.933	238.94	238.94	238.933	-0.007	0.000	0.000	-0.007
LACHLAN 2927.00	238.886	238.88	238.885	238.886	238.879	-0.006	-0.001	0.000	-0.007
LACHLAN 2937.00	238.945	238.938	238.944	238.945	238.937	-0.007	-0.001	0.000	-0.008
LACHLAN 2937.00	238.945	238.938	238.944	238.945	238.937	-0.007	-0.001	0.000	-0.008
LACHLAN 3203.00	238.904	238.897	238.903	238.904	238.897	-0.007	-0.001	0.000	-0.007
LACHLAN 3203.00	238.904	238.897	238.903	238.904	238.897	-0.007	-0.001	0.000	-0.007
LACHLAN 3513.00	238.875	238.867	238.874	238.875	238.867	-0.008	-0.001	0.000	-0.008
LACHLAN 3513.00	238.875	238.867	238.874	238.875	238.867	-0.008	-0.001	0.000	-0.008
LACHLAN 3533.00	238.766	238.76	238.765	238.766	238.759	-0.006	-0.001	0.000	-0.007
LACHLAN 3533.00	238.766	238.76	238.765	238.766	238.759	-0.006	-0.001	0.000	-0.007
LACHLAN 3553.00	238.779	238.772	238.778	238.779	238.771	-0.007	-0.001	0.000	-0.008
LACHLAN 3956.00	238.711	238.704	238.71	238.711	238.703	-0.007	-0.001	0.000	-0.008
LACHLAN 3956.00	238.711	238.704	238.71	238.711	238.703	-0.007	-0.001	0.000	-0.008
LACHLAN 4398.00	238.535	238.528	238.532	238.535	238.524	-0.007	-0.003	0.000	-0.011
LACHLAN 4398.00	238.535	238.528	238.532	238.535	238.524	-0.007	-0.003	0.000	-0.011
LACHLAN 4820.00	238.455	238.447	238.458	238.455	238.45	-0.008	0.003	0.000	-0.005
LACHLAN 5285.00	238.272	238.266	238.274	238.272	238.268	-0.006	0.002	0.000	-0.004
LACHLAN 5285.00	238.272	238.266	238.274	238.272	238.268	-0.006	0.002	0.000	-0.004
LACHLAN 5708.00	237.977	237.974	237.977	237.977	237.974	-0.003	0.000	0.000	-0.003
LACHLAN 5708.00	237.977	237.974	237.977	237.977	237.974	-0.003	0.000	0.000	-0.003
LACHLAN 6034.00	237.993	237.99	237.994	237.993	237.991	-0.003	0.001	0.000	-0.002
LACHLAN 6463.00	237.862	237.858	237.861	237.862	237.857	-0.004	-0.001	0.000	-0.005
LACHLAN 6559.40	237.817	237.813	237.817	237.817	237.812	-0.004	0.000	0.000	-0.005
LACHLAN 6655.80	237.77	237.765	237.769	237.77	237.764	-0.005	-0.001	0.000	-0.006
LACHLAN 6752.20	237.718	237.713	237.717	237.718	237.712	-0.005	-0.001	0.000	-0.006

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LACHLAN 6848.60	237.663	237.658	237.662	237.663	237.657	-0.005	-0.001	0.000	-0.006
LACHLAN 6945.00	237.61	237.605	237.608	237.61	237.603	-0.005	-0.002	0.000	-0.007
LACHLAN 7041.40	237.561	237.556	237.559	237.561	237.553	-0.005	-0.002	0.000	-0.008
LACHLAN 7137.80	237.516	237.511	237.514	237.516	237.508	-0.005	-0.002	0.000	-0.008
LACHLAN 7234.20	237.472	237.467	237.469	237.472	237.464	-0.005	-0.003	0.000	-0.008
LACHLAN 7330.60	237.431	237.426	237.428	237.431	237.422	-0.005	-0.003	0.000	-0.009
LACHLAN 7427.00	237.373	237.368	237.369	237.373	237.364	-0.005	-0.004	0.000	-0.009
LACHLAN 7427.00	237.373	237.368	237.369	237.373	237.364	-0.005	-0.004	0.000	-0.009
LACHLAN 7517.67	237.374	237.369	237.371	237.374	237.365	-0.005	-0.003	0.000	-0.009
LACHLAN 7608.33	237.33	237.326	237.327	237.33	237.321	-0.004	-0.003	0.000	-0.009
LACHLAN 7699.00	237.308	237.303	237.3	237.308	237.295	-0.005	-0.008	0.000	-0.013
LACHLAN 7789.67	237.284	237.279	237.28	237.284	237.275	-0.005	-0.004	0.000	-0.009
LACHLAN 7880.33	237.26	237.256	237.256	237.26	237.251	-0.004	-0.004	0.000	-0.009
LACHLAN 7971.00	237.238	237.233	237.234	237.238	237.229	-0.005	-0.004	0.000	-0.009
LACHLAN 8061.67	237.216	237.211	237.212	237.216	237.207	-0.005	-0.004	0.000	-0.009
LACHLAN 8152.33	237.196	237.192	237.192	237.196	237.187	-0.004	-0.004	0.000	-0.009
LACHLAN 8243.00	237.179	237.175	237.175	237.179	237.171	-0.004	-0.004	0.000	-0.008
LACHLAN 8343.00	237.164	237.16	237.16	237.164	237.155	-0.004	-0.004	0.000	-0.009
LACHLAN 8443.00	237.173	237.169	237.169	237.173	237.165	-0.004	-0.004	0.000	-0.008
LACHLAN 8543.00	237.172	237.168	237.168	237.172	237.164	-0.004	-0.004	0.000	-0.008
LACHLAN 8643.00	237.168	237.164	237.164	237.168	237.16	-0.004	-0.004	0.000	-0.008
LACHLAN 8743.00	237.161	237.157	237.157	237.161	237.153	-0.004	-0.004	0.000	-0.008
LACHLAN 8843.00	237.15	237.146	237.147	237.15	237.142	-0.004	-0.003	0.000	-0.008
LACHLAN 8943.00	237.114	237.111	237.113	237.114	237.109	-0.003	-0.001	0.000	-0.005
LACHLAN 9043.00	237.045	237.041	237.046	237.045	237.041	-0.004	0.001	0.000	-0.004
LACHLAN 9043.00	237.045	237.041	237.046	237.045	237.041	-0.004	0.001	0.000	-0.004
LACHLAN 9132.00	237.026	237.022	237.026	237.026	237.021	-0.004	0.000	0.000	-0.005
LACHLAN 9221.00	236.986	236.982	236.989	236.986	236.984	-0.004	0.003	0.000	-0.002
LACHLAN 9310.00	236.96	236.957	236.964	236.96	236.959	-0.003	0.004	0.000	-0.001
LACHLAN 9399.00	236.931	236.928	236.935	236.931	236.93	-0.003	0.004	0.000	-0.001
LACHLAN 9488.00	236.907	236.904	236.909	236.907	236.904	-0.003	0.002	0.000	-0.003
LACHLAN 9488.00	236.907	236.904	236.909	236.907	236.904	-0.003	0.002	0.000	-0.003
LACHLAN 9577.60	236.901	236.898	236.903	236.901	236.898	-0.003	0.002	0.000	-0.003
LACHLAN 9667.20	236.895	236.892	236.897	236.895	236.892	-0.003	0.002	0.000	-0.003
LACHLAN 9756.80	236.888	236.885	236.89	236.888	236.885	-0.003	0.002	0.000	-0.003
LACHLAN 9846.40	236.881	236.878	236.883	236.881	236.878	-0.003	0.002	0.000	-0.003
LACHLAN 9936.00	236.878	236.874	236.879	236.878	236.875	-0.004	0.001	0.000	-0.003
LACHLAN 9966.00	236.869	236.862	236.867	236.869	236.863	-0.007	-0.002	0.000	-0.006
LACHLAN 10057.75	236.856	236.849	236.854	236.856	236.85	-0.007	-0.002	0.000	-0.006
LACHLAN 10149.50	236.846	236.839	236.845	236.846	236.84	-0.007	-0.001	0.000	-0.006
LACHLAN 10241.25	236.835	236.828	236.834	236.835	236.828	-0.007	-0.001	0.000	-0.007
LACHLAN 10333.00	236.823	236.816	236.821	236.823	236.816	-0.007	-0.002	0.000	-0.007
LACHLAN 10424.75	236.809	236.803	236.808	236.809	236.803	-0.006	-0.001	0.000	-0.006
LACHLAN 10516.50	236.796	236.789	236.794	236.796	236.789	-0.007	-0.002	0.000	-0.007
LACHLAN 10608.25	236.782	236.775	236.78	236.782	236.775	-0.007	-0.002	0.000	-0.007
LACHLAN 10700.00	236.775	236.768	236.774	236.775	236.768	-0.007	-0.001	0.000	-0.007

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LACHLAN 10700.00	236.775	236.768	236.774	236.775	236.768	-0.007	-0.001	0.000	-0.007
LACHLAN 10786.00	236.741	236.734	236.739	236.741	236.734	-0.007	-0.002	0.000	-0.007
LACHLAN 10800.00	236.735	236.728	236.734	236.735	236.728	-0.007	-0.001	0.000	-0.007
LACHLAN 10800.00	236.735	236.728	236.734	236.735	236.728	-0.007	-0.001	0.000	-0.007
LACHLAN 10872.00	236.706	236.699	236.705	236.706	236.699	-0.007	-0.001	0.000	-0.007
LACHLAN 11061.00	236.619	236.613	236.618	236.619	236.613	-0.006	-0.001	0.000	-0.006
LACHLAN 11155.50	236.589	236.583	236.588	236.589	236.583	-0.006	-0.001	0.000	-0.006
LACHLAN 11250.00	236.53	236.525	236.529	236.53	236.525	-0.005	-0.001	0.000	-0.005
LACHLAN 11278.00	236.278	236.274	236.277	236.278	236.274	-0.004	-0.001	0.000	-0.004
LACHLAN 11300.00	236.294	236.289	236.292	236.294	236.289	-0.005	-0.002	0.000	-0.005
LACHLAN 11400.00	236.253	236.25	236.252	236.253	236.25	-0.003	-0.001	0.000	-0.003
LACHLAN 11400.00	236.253	236.25	236.252	236.253	236.25	-0.003	-0.001	0.000	-0.003
LACHLAN 11530.00	236.262	236.258	236.261	236.262	236.258	-0.004	-0.001	0.000	-0.004
LACHLAN 11530.00	236.262	236.258	236.261	236.262	236.258	-0.004	-0.001	0.000	-0.004
LACHLAN 11805.00	236.175	236.172	236.174	236.175	236.172	-0.003	-0.001	0.000	-0.003
LACHLAN 11805.00	236.175	236.172	236.174	236.175	236.172	-0.003	-0.001	0.000	-0.003
LACHLAN 12862.00	235.302	235.302	235.301	235.302	235.302	0.000	-0.001	0.000	0.000
LACHLAN 13605.00	235.226	235.227	235.226	235.226	235.227	0.001	0.000	0.000	0.001
LACHLAN 13605.00	235.226	235.227	235.226	235.226	235.227	0.001	0.000	0.000	0.001
LACHLAN 14349.00	235.02	235.021	235.019	235.02	235.021	0.001	-0.001	0.000	0.001
LACHLAN 16300.00	233.74	233.741	233.74	233.74	233.741	0.001	0.000	0.000	0.001
LAKEF -1400.00	239.798	239.801	239.798	239.798	239.801	0.003	0.000	0.000	0.003
LAKEF -1375.00	239.774	239.778	239.774	239.774	239.778	0.004	0.000	0.000	0.004
LAKEF -1350.00	239.752	239.755	239.752	239.752	239.755	0.003	0.000	0.000	0.003
LAKEF -1325.00	239.73	239.734	239.73	239.73	239.734	0.004	0.000	0.000	0.004
LAKEF -1300.00	239.71	239.714	239.71	239.71	239.714	0.004	0.000	0.000	0.004
LAKEF -1275.00	239.691	239.695	239.691	239.691	239.695	0.004	0.000	0.000	0.004
LAKEF -1225.00	239.656	239.66	239.656	239.656	239.66	0.004	0.000	0.000	0.004
LAKEF -1200.00	239.64	239.644	239.64	239.64	239.644	0.004	0.000	0.000	0.004
LAKEF -1175.00	239.624	239.629	239.624	239.624	239.629	0.005	0.000	0.000	0.005
LAKEF -1150.00	239.61	239.615	239.61	239.61	239.615	0.005	0.000	0.000	0.005
LAKEF -1125.00	239.597	239.602	239.597	239.597	239.602	0.005	0.000	0.000	0.005
LAKEF -1100.00	239.584	239.589	239.584	239.584	239.589	0.005	0.000	0.000	0.005
LAKEF -1075.00	239.572	239.578	239.572	239.572	239.578	0.006	0.000	0.000	0.006
LAKEF -1050.00	239.561	239.567	239.561	239.561	239.567	0.006	0.000	0.000	0.006
LAKEF -1025.00	239.551	239.557	239.551	239.551	239.557	0.006	0.000	0.000	0.006
LAKEF -1000.00	239.541	239.547	239.541	239.541	239.547	0.006	0.000	0.000	0.006
LAKEF -975.00	239.532	239.538	239.532	239.532	239.538	0.006	0.000	0.000	0.006
LAKEF -950.00	239.523	239.53	239.523	239.523	239.53	0.007	0.000	0.000	0.007
LAKEF -925.00	239.516	239.522	239.516	239.516	239.522	0.006	0.000	0.000	0.006
LAKEF -900.00	239.508	239.515	239.508	239.508	239.515	0.007	0.000	0.000	0.007
LAKEF -875.00	239.501	239.508	239.501	239.501	239.508	0.007	0.000	0.000	0.007
LAKEF -850.00	239.495	239.502	239.495	239.495	239.502	0.007	0.000	0.000	0.007
LAKEF -825.00	239.489	239.496	239.489	239.489	239.496	0.007	0.000	0.000	0.007
LAKEF -800.00	239.484	239.491	239.484	239.484	239.491	0.007	0.000	0.000	0.007
LAKEF -775.00	239.479	239.486	239.478	239.479	239.486	0.007	-0.001	0.000	0.007

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LAKEF -750.00	239.474	239.481	239.474	239.474	239.481	0.007	0.000	0.000	0.007
LAKEF -725.00	239.469	239.477	239.469	239.469	239.477	0.008	0.000	0.000	0.008
LAKEF -700.00	239.465	239.473	239.465	239.465	239.473	0.008	0.000	0.000	0.008
LAKEF -675.00	239.461	239.469	239.461	239.461	239.469	0.008	0.000	0.000	0.008
LAKEF -650.00	239.457	239.465	239.457	239.457	239.465	0.008	0.000	0.000	0.008
LAKEF -625.00	239.454	239.462	239.454	239.454	239.462	0.008	0.000	0.000	0.008
LAKEF -600.00	239.451	239.459	239.451	239.451	239.459	0.008	0.000	0.000	0.008
LAKEF -575.00	239.448	239.456	239.448	239.448	239.456	0.008	0.000	0.000	0.008
LAKEF -550.00	239.445	239.453	239.445	239.445	239.453	0.008	0.000	0.000	0.008
LAKEF -525.00	239.442	239.45	239.442	239.442	239.45	0.008	0.000	0.000	0.008
LAKEF -500.00	239.44	239.448	239.44	239.44	239.448	0.008	0.000	0.000	0.008
LAKEF -475.00	239.438	239.446	239.438	239.438	239.446	0.008	0.000	0.000	0.008
LAKEF -450.00	239.436	239.444	239.435	239.436	239.444	0.008	-0.001	0.000	0.008
LAKEF -425.00	239.434	239.442	239.433	239.434	239.442	0.008	-0.001	0.000	0.008
LAKEF -400.00	239.432	239.44	239.432	239.432	239.44	0.008	0.000	0.000	0.008
LAKEF -375.00	239.43	239.438	239.43	239.43	239.438	0.008	0.000	0.000	0.008
LAKEF -350.00	239.428	239.437	239.428	239.428	239.437	0.009	0.000	0.000	0.009
LAKEF -325.00	239.427	239.435	239.427	239.427	239.435	0.008	0.000	0.000	0.008
LAKEF -300.00	239.425	239.434	239.425	239.425	239.434	0.009	0.000	0.000	0.009
LAKEF -275.00	239.424	239.432	239.424	239.424	239.432	0.008	0.000	0.000	0.008
LAKEF -250.00	239.423	239.431	239.423	239.423	239.431	0.008	0.000	0.000	0.008
LAKEF -225.00	239.421	239.43	239.421	239.421	239.43	0.009	0.000	0.000	0.009
LAKEF -200.00	239.42	239.429	239.42	239.42	239.429	0.009	0.000	0.000	0.009
LAKEF -175.00	239.419	239.428	239.419	239.419	239.428	0.009	0.000	0.000	0.009
LAKEF -150.00	239.418	239.427	239.418	239.418	239.427	0.009	0.000	0.000	0.009
LAKEF -125.00	239.417	239.426	239.417	239.417	239.426	0.009	0.000	0.000	0.009
LAKEF -100.00	239.416	239.425	239.416	239.416	239.425	0.009	0.000	0.000	0.009
LAKEF -75.00	239.416	239.424	239.416	239.416	239.424	0.008	0.000	0.000	0.008
LAKEF -50.00	239.415	239.423	239.415	239.415	239.423	0.008	0.000	0.000	0.008
LAKEF -25.00	239.414	239.423	239.414	239.414	239.423	0.009	0.000	0.000	0.009
LAKEF 0.00	239.413	239.422	239.413	239.413	239.422	0.009	0.000	0.000	0.009
LAKEF 0.00	239.413	239.422	239.413	239.413	239.422	0.009	0.000	0.000	0.009
LAKEF 24.56	239.412	239.42	239.411	239.411	239.42	0.008	-0.001	-0.001	0.008
LAKEF 49.13	239.41	239.418	239.41	239.41	239.418	0.008	0.000	0.000	0.008
LAKEF 73.69	239.408	239.416	239.408	239.408	239.416	0.008	0.000	0.000	0.008
LAKEF 98.25	239.406	239.414	239.406	239.406	239.414	0.008	0.000	0.000	0.008
LAKEF 122.82	239.404	239.413	239.404	239.404	239.413	0.009	0.000	0.000	0.009
LAKEF 147.38	239.402	239.411	239.402	239.402	239.411	0.009	0.000	0.000	0.009
LAKEF 171.95	239.4	239.409	239.4	239.4	239.409	0.009	0.000	0.000	0.009
LAKEF 196.51	239.398	239.407	239.398	239.398	239.407	0.009	0.000	0.000	0.009
LAKEF 221.07	239.397	239.405	239.397	239.397	239.405	0.008	0.000	0.000	0.008
LAKEF 245.64	239.395	239.403	239.395	239.395	239.403	0.008	0.000	0.000	0.008
LAKEF 270.20	239.393	239.401	239.393	239.393	239.401	0.008	0.000	0.000	0.008
LAKEF 294.76	239.391	239.399	239.391	239.391	239.399	0.008	0.000	0.000	0.008
LAKEF 319.33	239.389	239.398	239.389	239.389	239.398	0.009	0.000	0.000	0.009
LAKEF 343.89	239.387	239.396	239.387	239.387	239.396	0.009	0.000	0.000	0.009

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LAKEF 368.45	239.385	239.394	239.385	239.385	239.394	0.009	0.000	0.000	0.009
LAKEF 393.02	239.384	239.392	239.384	239.384	239.392	0.008	0.000	0.000	0.008
LAKEF 417.58	239.382	239.39	239.382	239.382	239.39	0.008	0.000	0.000	0.008
LAKEF 442.14	239.38	239.388	239.38	239.38	239.388	0.008	0.000	0.000	0.008
LAKEF 466.71	239.378	239.387	239.378	239.378	239.387	0.009	0.000	0.000	0.009
LAKEF 491.27	239.376	239.385	239.376	239.376	239.385	0.009	0.000	0.000	0.009
LAKEF 515.84	239.375	239.383	239.374	239.374	239.383	0.008	-0.001	-0.001	0.008
LAKEF 540.40	239.373	239.381	239.373	239.373	239.381	0.008	0.000	0.000	0.008
LAKEF 564.96	239.371	239.379	239.371	239.371	239.379	0.008	0.000	0.000	0.008
LAKEF 589.53	239.369	239.377	239.369	239.369	239.377	0.008	0.000	0.000	0.008
LAKEF 614.09	239.367	239.376	239.367	239.367	239.376	0.009	0.000	0.000	0.009
LAKEF 638.66	239.365	239.374	239.365	239.365	239.374	0.009	0.000	0.000	0.009
LAKEF 663.22	239.364	239.372	239.364	239.364	239.372	0.008	0.000	0.000	0.008
LAKEF 687.78	239.362	239.37	239.362	239.362	239.37	0.008	0.000	0.000	0.008
LAKEF 712.34	239.36	239.368	239.36	239.36	239.368	0.008	0.000	0.000	0.008
LAKEF 736.91	239.358	239.366	239.358	239.358	239.366	0.008	0.000	0.000	0.008
LAKEF 761.47	239.356	239.365	239.356	239.356	239.365	0.009	0.000	0.000	0.009
LAKEF 786.04	239.355	239.363	239.354	239.355	239.363	0.008	-0.001	0.000	0.008
LAKEF 810.60	239.353	239.361	239.353	239.353	239.361	0.008	0.000	0.000	0.008
LAKEF 835.16	239.351	239.359	239.351	239.351	239.359	0.008	0.000	0.000	0.008
LAKEF 859.73	239.349	239.357	239.349	239.349	239.357	0.008	0.000	0.000	0.008
LAKEF 884.29	239.347	239.356	239.347	239.347	239.356	0.009	0.000	0.000	0.009
LAKEF 908.85	239.346	239.354	239.345	239.346	239.354	0.008	-0.001	0.000	0.008
LAKEF 933.42	239.344	239.352	239.344	239.344	239.352	0.008	0.000	0.000	0.008
LAKEF 957.98	239.342	239.35	239.342	239.342	239.35	0.008	0.000	0.000	0.008
LAKEF 982.54	239.34	239.348	239.34	239.34	239.348	0.008	0.000	0.000	0.008
LAKEF 1007.11	239.338	239.347	239.338	239.338	239.347	0.009	0.000	0.000	0.009
LAKEF 1031.67	239.337	239.345	239.337	239.337	239.345	0.008	0.000	0.000	0.008
LAKEF 1056.24	239.335	239.343	239.335	239.335	239.343	0.008	0.000	0.000	0.008
LAKEF 1080.80	239.333	239.341	239.333	239.333	239.341	0.008	0.000	0.000	0.008
LAKEF 1105.36	239.331	239.34	239.331	239.331	239.34	0.009	0.000	0.000	0.009
LAKEF 1129.93	239.329	239.338	239.329	239.329	239.338	0.009	0.000	0.000	0.009
LAKEF 1154.49	239.328	239.336	239.328	239.328	239.336	0.008	0.000	0.000	0.008
LAKEF 1179.06	239.326	239.334	239.326	239.326	239.334	0.008	0.000	0.000	0.008
LAKEF 1203.62	239.324	239.332	239.324	239.324	239.332	0.008	0.000	0.000	0.008
LAKEF 1228.18	239.322	239.331	239.322	239.322	239.331	0.009	0.000	0.000	0.009
LAKEF 1252.74	239.32	239.329	239.32	239.32	239.329	0.009	0.000	0.000	0.009
LAKEF 1277.31	239.319	239.327	239.319	239.319	239.327	0.008	0.000	0.000	0.008
LAKEF 1301.87	239.317	239.325	239.317	239.317	239.325	0.008	0.000	0.000	0.008
LAKEF 1326.44	239.315	239.323	239.315	239.315	239.323	0.008	0.000	0.000	0.008
LAKEF 1351.00	239.313	239.322	239.313	239.313	239.322	0.009	0.000	0.000	0.009
LAKEF 1351.00	239.313	239.322	239.313	239.313	239.322	0.009	0.000	0.000	0.009
LAKEF 1375.66	239.311	239.32	239.311	239.311	239.32	0.009	0.000	0.000	0.009
LAKEF 1400.32	239.31	239.318	239.31	239.31	239.318	0.008	0.000	0.000	0.008
LAKEF 1424.98	239.308	239.316	239.308	239.308	239.316	0.008	0.000	0.000	0.008
LAKEF 1449.64	239.306	239.314	239.306	239.306	239.314	0.008	0.000	0.000	0.008

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LAKEF 1474.30	239.304	239.313	239.304	239.304	239.313	0.009	0.000	0.000	0.009
LAKEF 1498.95	239.302	239.311	239.302	239.302	239.311	0.009	0.000	0.000	0.009
LAKEF 1523.61	239.301	239.309	239.301	239.301	239.309	0.008	0.000	0.000	0.008
LAKEF 1548.27	239.299	239.307	239.299	239.299	239.307	0.008	0.000	0.000	0.008
LAKEF 1572.93	239.297	239.305	239.297	239.297	239.305	0.008	0.000	0.000	0.008
LAKEF 1597.59	239.295	239.304	239.295	239.295	239.304	0.009	0.000	0.000	0.009
LAKEF 1622.25	239.294	239.302	239.294	239.294	239.302	0.008	0.000	0.000	0.008
LAKEF 1646.91	239.292	239.3	239.292	239.292	239.3	0.008	0.000	0.000	0.008
LAKEF 1671.57	239.29	239.298	239.29	239.29	239.298	0.008	0.000	0.000	0.008
LAKEF 1696.23	239.288	239.297	239.288	239.288	239.297	0.009	0.000	0.000	0.009
LAKEF 1720.89	239.287	239.295	239.287	239.287	239.295	0.008	0.000	0.000	0.008
LAKEF 1745.55	239.285	239.293	239.285	239.285	239.293	0.008	0.000	0.000	0.008
LAKEF 1770.20	239.283	239.292	239.283	239.283	239.292	0.009	0.000	0.000	0.009
LAKEF 1794.86	239.281	239.29	239.281	239.281	239.29	0.009	0.000	0.000	0.009
LAKEF 1819.52	239.28	239.288	239.28	239.28	239.288	0.008	0.000	0.000	0.008
LAKEF 1844.18	239.278	239.286	239.278	239.278	239.286	0.008	0.000	0.000	0.008
LAKEF 1868.84	239.276	239.284	239.276	239.276	239.284	0.008	0.000	0.000	0.008
LAKEF 1893.50	239.274	239.283	239.274	239.274	239.283	0.009	0.000	0.000	0.009
LAKEF 1918.16	239.273	239.281	239.272	239.273	239.281	0.008	-0.001	0.000	0.008
LAKEF 1942.82	239.271	239.279	239.271	239.271	239.279	0.008	0.000	0.000	0.008
LAKEF 1967.48	239.269	239.277	239.269	239.269	239.277	0.008	0.000	0.000	0.008
LAKEF 1992.14	239.267	239.276	239.267	239.267	239.276	0.009	0.000	0.000	0.009
LAKEF 2016.80	239.265	239.274	239.265	239.265	239.274	0.009	0.000	0.000	0.009
LAKEF 2041.45	239.264	239.272	239.264	239.264	239.272	0.008	0.000	0.000	0.008
LAKEF 2066.11	239.262	239.27	239.262	239.262	239.27	0.008	0.000	0.000	0.008
LAKEF 2090.77	239.26	239.268	239.26	239.26	239.268	0.008	0.000	0.000	0.008
LAKEF 2115.43	239.258	239.267	239.258	239.258	239.267	0.009	0.000	0.000	0.009
LAKEF 2140.09	239.257	239.265	239.257	239.257	239.265	0.008	0.000	0.000	0.008
LAKEF 2164.75	239.255	239.263	239.255	239.255	239.263	0.008	0.000	0.000	0.008
LAKEF 2189.41	239.253	239.261	239.253	239.253	239.261	0.008	0.000	0.000	0.008
LAKEF 2214.07	239.252	239.26	239.251	239.251	239.26	0.008	-0.001	-0.001	0.008
LAKEF 2238.73	239.25	239.258	239.25	239.25	239.258	0.008	0.000	0.000	0.008
LAKEF 2263.39	239.248	239.257	239.248	239.248	239.256	0.009	0.000	0.000	0.008
LAKEF 2288.04	239.247	239.255	239.246	239.247	239.255	0.008	-0.001	0.000	0.008
LAKEF 2312.71	239.245	239.253	239.245	239.245	239.253	0.008	0.000	0.000	0.008
LAKEF 2337.36	239.243	239.252	239.243	239.243	239.252	0.009	0.000	0.000	0.009
LAKEF 2362.02	239.242	239.25	239.242	239.242	239.25	0.008	0.000	0.000	0.008
LAKEF 2386.68	239.24	239.248	239.24	239.24	239.248	0.008	0.000	0.000	0.008
LAKEF 2411.34	239.238	239.246	239.238	239.238	239.246	0.008	0.000	0.000	0.008
LAKEF 2436.00	239.237	239.245	239.236	239.237	239.245	0.008	-0.001	0.000	0.008
LAKEF 2436.00	239.237	239.245	239.236	239.237	239.245	0.008	-0.001	0.000	0.008
LAKEF 2460.47	239.236	239.244	239.236	239.236	239.244	0.008	0.000	0.000	0.008
LAKEF 2484.94	239.236	239.244	239.236	239.236	239.244	0.008	0.000	0.000	0.008
LAKEF 2509.41	239.235	239.243	239.235	239.235	239.243	0.008	0.000	0.000	0.008
LAKEF 2533.88	239.235	239.243	239.235	239.235	239.243	0.008	0.000	0.000	0.008
LAKEF 2558.35	239.234	239.242	239.234	239.234	239.242	0.008	0.000	0.000	0.008

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LAKEF 2582.82	239.233	239.242	239.233	239.233	239.242	0.009	0.000	0.000	0.009
LAKEF 2607.29	239.233	239.241	239.233	239.233	239.241	0.008	0.000	0.000	0.008
LAKEF 2631.76	239.232	239.24	239.232	239.232	239.24	0.008	0.000	0.000	0.008
LAKEF 2656.24	239.231	239.239	239.231	239.231	239.239	0.008	0.000	0.000	0.008
LAKEF 2680.71	239.23	239.238	239.23	239.23	239.238	0.008	0.000	0.000	0.008
LAKEF 2705.18	239.229	239.237	239.229	239.229	239.237	0.008	0.000	0.000	0.008
LAKEF 2729.65	239.228	239.236	239.227	239.228	239.236	0.008	-0.001	0.000	0.008
LAKEF 2754.12	239.226	239.234	239.226	239.226	239.234	0.008	0.000	0.000	0.008
LAKEF 2778.59	239.224	239.232	239.224	239.224	239.232	0.008	0.000	0.000	0.008
LAKEF 2803.06	239.222	239.23	239.222	239.222	239.23	0.008	0.000	0.000	0.008
LAKEF 2827.53	239.219	239.227	239.218	239.219	239.227	0.008	-0.001	0.000	0.008
LAKEF 2852.00	239.214	239.223	239.214	239.214	239.223	0.009	0.000	0.000	0.009
LAKEF 2869.00	239.217	239.225	239.217	239.217	239.225	0.008	0.000	0.000	0.008
LAKEF 2875.00	239.142	239.15	239.142	239.142	239.15	0.008	0.000	0.000	0.008
LAKEF 2892.00	239.138	239.146	239.138	239.138	239.146	0.008	0.000	0.000	0.008
LAKEF 3089.00	239.104	239.111	239.104	239.104	239.111	0.007	0.000	0.000	0.007
LAKEF 3089.00	239.104	239.111	239.104	239.104	239.111	0.007	0.000	0.000	0.007
LAKEF 3240.00	239.104	239.111	239.104	239.104	239.111	0.007	0.000	0.000	0.007
LAKEF 3245.00	239.101	239.108	239.101	239.101	239.108	0.007	0.000	0.000	0.007
LAKEF 3374.00	239.097	239.105	239.097	239.097	239.105	0.008	0.000	0.000	0.008
LAKEF 3374.00	239.097	239.105	239.097	239.097	239.105	0.008	0.000	0.000	0.008
LAKEF 3569.00	239.062	239.069	239.062	239.062	239.069	0.007	0.000	0.000	0.007
LAKEF 3569.00	239.062	239.069	239.062	239.062	239.069	0.007	0.000	0.000	0.007
LAKEF 3704.00	239.028	239.035	239.027	239.027	239.035	0.007	-0.001	-0.001	0.007
LAKEF 3704.00	239.028	239.035	239.027	239.027	239.035	0.007	-0.001	-0.001	0.007
LAKEF 3709.00	239.027	239.035	239.027	239.027	239.035	0.008	0.000	0.000	0.008
LAKEF 3724.00	238.943	238.95	238.943	238.943	238.95	0.007	0.000	0.000	0.007
LAKEF 3724.00	238.943	238.95	238.943	238.943	238.95	0.007	0.000	0.000	0.007
LAKEF 3866.00	238.945	238.952	238.945	238.945	238.952	0.007	0.000	0.000	0.007
LAKEF 3866.00	238.945	238.952	238.945	238.945	238.952	0.007	0.000	0.000	0.007
LAKEF 4061.00	238.863	238.87	238.863	238.863	238.87	0.007	0.000	0.000	0.007
LAKEF 4265.00	238.578	238.584	238.578	238.578	238.585	0.006	0.000	0.000	0.007
LAKEF 4285.00	238.283	238.288	238.282	238.283	238.289	0.005	-0.001	0.000	0.006
LAKEF 4285.00	238.283	238.288	238.282	238.283	238.289	0.005	-0.001	0.000	0.006
LAKEF 4352.00	237.947	237.952	237.947	237.947	237.953	0.005	0.000	0.000	0.006
LAKEF 4369.00	237.841	237.846	237.841	237.841	237.846	0.005	0.000	0.000	0.005
LAKEF 4392.00	237.92	237.923	237.92	237.92	237.924	0.003	0.000	0.000	0.004
LAKEF 4560.00	237.876	237.88	237.876	237.876	237.88	0.004	0.000	0.000	0.004
LAKEF 4560.00	237.876	237.88	237.876	237.876	237.88	0.004	0.000	0.000	0.004
LAKEF 4574.00	237.876	237.88	237.876	237.876	237.88	0.004	0.000	0.000	0.004
LAKEF 4589.00	237.867	237.87	237.867	237.867	237.871	0.003	0.000	0.000	0.004
LAKEF 4614.00	237.749	237.752	237.749	237.749	237.753	0.003	0.000	0.000	0.004
LAKEF 4614.00	237.749	237.752	237.749	237.749	237.753	0.003	0.000	0.000	0.004
LAKEF 4950.00	237.603	237.606	237.603	237.603	237.606	0.003	0.000	0.000	0.003
LAKEF 4950.00	237.603	237.606	237.603	237.603	237.606	0.003	0.000	0.000	0.003
LAKEF 5044.00	237.56	237.555	237.553	237.56	237.555	-0.005	-0.007	0.000	-0.005

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LAKEF 5064.00	237.54	237.545	237.54	237.54	237.545	0.005	0.000	0.000	0.005
LAKEF 5777.00	237.06	237.064	237.06	237.06	237.064	0.004	0.000	0.000	0.004
LAKEF 5777.00	237.06	237.064	237.06	237.06	237.064	0.004	0.000	0.000	0.004
LAKEF 6896.00	236.569	236.573	236.569	236.569	236.573	0.004	0.000	0.000	0.004
LAKEF 7660.00	236.121	236.125	236.121	236.121	236.125	0.004	0.000	0.000	0.004
LAKEF 7700.00	236.087	236.091	236.087	236.087	236.091	0.004	0.000	0.000	0.004
LAKEF 7776.00	236.067	236.071	236.067	236.067	236.071	0.004	0.000	0.000	0.004
LAKEF 8552.00	235.876	235.879	235.876	235.876	235.879	0.003	0.000	0.000	0.003
OXFD 0.00	238.283	238.288	238.282	238.283	238.289	0.005	-0.001	0.000	0.006
OXFD 119.00	238.247	238.252	238.247	238.247	238.253	0.005	0.000	0.000	0.006
OXFD 289.00	237.978	237.983	237.978	237.978	237.983	0.005	0.000	0.000	0.005
OXFD 380.00	237.65	237.65	237.65	237.651	237.651	0.000	0.000	0.001	0.001
OXFD 380.00	237.65	237.65	237.65	237.651	237.651	0.000	0.000	0.001	0.001
OXFD 404.67	237.634	237.634	237.634	237.635	237.635	0.000	0.000	0.001	0.001
OXFD 429.33	237.624	237.624	237.624	237.625	237.625	0.000	0.000	0.001	0.001
OXFD 454.00	237.617	237.616	237.617	237.618	237.618	-0.001	0.000	0.001	0.001
OXFD 477.64	237.609	237.608	237.609	237.61	237.61	-0.001	0.000	0.001	0.001
OXFD 501.27	237.601	237.6	237.601	237.602	237.601	-0.001	0.000	0.001	0.000
OXFD 524.91	237.593	237.592	237.593	237.595	237.593	-0.001	0.000	0.002	0.000
OXFD 548.54	237.586	237.585	237.586	237.587	237.586	-0.001	0.000	0.001	0.000
OXFD 572.18	237.58	237.578	237.58	237.581	237.579	-0.002	0.000	0.001	-0.001
OXFD 595.82	237.573	237.571	237.573	237.575	237.573	-0.002	0.000	0.002	0.000
OXFD 619.46	237.568	237.565	237.568	237.569	237.567	-0.003	0.000	0.001	-0.001
OXFD 643.09	237.562	237.56	237.562	237.563	237.561	-0.002	0.000	0.001	-0.001
OXFD 666.73	237.557	237.554	237.557	237.558	237.556	-0.003	0.000	0.001	-0.001
OXFD 690.36	237.551	237.549	237.551	237.553	237.55	-0.002	0.000	0.002	-0.001
OXFD 714.00	237.546	237.543	237.546	237.548	237.545	-0.003	0.000	0.002	-0.001
OXFD 820.00	237.522	237.518	237.522	237.523	237.52	-0.004	0.000	0.001	-0.002
BATH 0.00	238.945	238.938	238.944	238.945	238.937	-0.007	-0.001	0.000	-0.008
BATH 100.00	239.197	239.203	239.196	239.197	239.203	0.006	-0.001	0.000	0.006
BATH 280.00	239.213	239.221	239.213	239.213	239.221	0.008	0.000	0.000	0.008
BATH 390.00	239.223	239.231	239.223	239.223	239.23	0.008	0.000	0.000	0.007
BATH 390.00	239.223	239.231	239.223	239.223	239.23	0.008	0.000	0.000	0.007
BATH 550.00	238.945	238.952	238.945	238.945	238.952	0.007	0.000	0.000	0.007
COLLEGE1 50.00	238.535	238.528	238.532	238.535	238.524	-0.007	-0.003	0.000	-0.011
COLLEGE1 175.00	237.373	237.368	237.369	237.373	237.364	-0.005	-0.004	0.000	-0.009
SOUTH 0.00	238.707	238.708	238.707	238.707	238.708	0.001	0.000	0.000	0.001
SOUTH 50.00	236.704	236.705	236.704	236.704	236.705	0.001	0.000	0.000	0.001
SOUTH 50.00	236.704	236.705	236.704	236.704	236.705	0.001	0.000	0.000	0.001
SOUTH 3600.00	235.475	235.475	235.475	235.475	235.475	0.000	0.000	0.000	0.000
SOUTH 3930.00	235.451	235.451	235.451	235.451	235.451	0.000	0.000	0.000	0.000
SOUTH 6320.00	235.234	235.234	235.234	235.234	235.234	0.000	0.000	0.000	0.000
SOUTH 8800.00	234.602	234.602	234.602	234.602	234.602	0.000	0.000	0.000	0.000
SOUTH 8800.00	234.602	234.602	234.602	234.602	234.602	0.000	0.000	0.000	0.000
SOUTH 11189.46	233.679	233.678	233.679	233.679	233.678	-0.001	0.000	0.000	-0.001
SOUTH 11189.46	233.679	233.678	233.679	233.679	233.678	-0.001	0.000	0.000	-0.001

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
SOUTH 12520.00	233.504	233.503	233.504	233.504	233.503	-0.001	0.000	0.000	-0.001
RLR05 0.00	239.195	239.186	239.194	239.195	239.186	-0.009	-0.001	0.000	-0.009
RLR05 100.12	239.194	239.186	239.194	239.194	239.185	-0.008	0.000	0.000	-0.009
RLR05 100.12	239.194	239.186	239.194	239.194	239.185	-0.008	0.000	0.000	-0.009
RLR05 490.00	239.194	239.186	239.194	239.194	239.185	-0.008	0.000	0.000	-0.009
RLR05 530.00	238.711	238.704	238.71	238.711	238.703	-0.007	-0.001	0.000	-0.008
RLR04 -250.00	239.241	239.232	239.241	239.241	239.231	-0.009	0.000	0.000	-0.010
RLR04 -200.00	239.24	239.23	239.239	239.24	239.23	-0.010	-0.001	0.000	-0.010
RLR04 -200.00	239.24	239.23	239.239	239.24	239.23	-0.010	-0.001	0.000	-0.010
RLR04 0.00	239.24	239.23	239.239	239.24	239.23	-0.010	-0.001	0.000	-0.010
RLR04 40.00	238.535	238.528	238.532	238.535	238.524	-0.007	-0.003	0.000	-0.011
RLR03 0.00	239.24	239.23	239.239	239.24	239.23	-0.010	-0.001	0.000	-0.010
RLR03 40.00	238.535	238.528	238.532	238.535	238.524	-0.007	-0.003	0.000	-0.011
RLR02 -500.00	239.297	239.306	239.296	239.297	239.306	0.009	-0.001	0.000	0.009
RLR02 -450.00	239.296	239.306	239.296	239.296	239.305	0.010	0.000	0.000	0.009
RLR02 -450.00	239.296	239.306	239.296	239.296	239.305	0.010	0.000	0.000	0.009
RLR02 0.00	239.296	239.306	239.296	239.296	239.305	0.010	0.000	0.000	0.009
RLR02 40.00	238.272	238.266	238.274	238.272	238.268	-0.006	0.002	0.000	-0.004
RLR01 0.00	239.296	239.306	239.296	239.296	239.305	0.010	0.000	0.000	0.009
RLR01 40.00	237.977	237.974	237.977	237.977	237.974	-0.003	0.000	0.000	-0.003
RLF01 0.00	239.237	239.245	239.236	239.237	239.245	0.008	-0.001	0.000	0.008
RLF01 40.00	239.223	239.231	239.223	239.223	239.23	0.008	0.000	0.000	0.007
RLF02 0.00	239.237	239.245	239.236	239.237	239.245	0.008	-0.001	0.000	0.008
RLF02 40.00	239.223	239.231	239.223	239.223	239.23	0.008	0.000	0.000	0.007
RLF03 0.00	239.237	239.245	239.236	239.237	239.245	0.008	-0.001	0.000	0.008
RLF03 40.00	239.097	239.105	239.097	239.097	239.105	0.008	0.000	0.000	0.008
CAMP 0.00	239.028	239.035	239.027	239.027	239.035	0.007	-0.001	-0.001	0.007
CAMP 20.00	238.943	238.95	238.943	238.943	238.95	0.007	0.000	0.000	0.007
FOOT 0.00	239.104	239.111	239.104	239.104	239.111	0.007	0.000	0.000	0.007
FOOT 40.00	239.097	239.105	239.097	239.097	239.105	0.008	0.000	0.000	0.008
COLLEGE2 0.00	238.766	238.76	238.765	238.766	238.759	-0.006	-0.001	0.000	-0.007
COLLEGE2 100.00	238.743	238.737	238.742	238.743	238.736	-0.006	-0.001	0.000	-0.007
COLLEGE2 350.00	238.114	238.109	238.113	238.114	238.108	-0.005	-0.001	0.000	-0.006
COLLEGE2 470.00	237.924	237.918	237.923	237.924	237.917	-0.006	-0.001	0.000	-0.007
BATES 0.00	237.876	237.88	237.876	237.876	237.88	0.004	0.000	0.000	0.004
BATES 40.00	237.749	237.752	237.749	237.749	237.753	0.003	0.000	0.000	0.004
RLF04 0.00	239.237	239.245	239.236	239.237	239.245	0.008	-0.001	0.000	0.008
RLF04 40.00	239.062	239.069	239.062	239.062	239.069	0.007	0.000	0.000	0.007
BUN3 0.00	236.907	236.904	236.909	236.907	236.904	-0.003	0.002	0.000	-0.003
BUN3 3000.00	233.679	233.678	233.679	233.679	233.678	-0.001	0.000	0.000	-0.001
BUN2 0.00	237.045	237.041	237.046	237.045	237.041	-0.004	0.001	0.000	-0.004
BUN2 3000.00	234.602	234.602	234.602	234.602	234.602	0.000	0.000	0.000	0.000
USLACH 0.00	249.747	249.747	249.747	249.747	249.747	0.000	0.000	0.000	0.000
USLACH 2460.00	248.855	248.855	248.855	248.855	248.855	0.000	0.000	0.000	0.000
USLACH 2460.00	248.855	248.855	248.855	248.855	248.855	0.000	0.000	0.000	0.000
USLACH 4470.00	246.582	246.582	246.582	246.582	246.582	0.000	0.000	0.000	0.000

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
USLACH 4470.00	246.582	246.582	246.582	246.582	246.582	0.000	0.000	0.000	0.000
USLACH 8310.00	245.611	245.611	245.611	245.611	245.611	0.000	0.000	0.000	0.000
USLACH 8310.00	245.611	245.611	245.611	245.611	245.611	0.000	0.000	0.000	0.000
USLACH 11150.00	245.021	245.021	245.021	245.021	245.021	0.000	0.000	0.000	0.000
USLACH 11150.00	245.021	245.021	245.021	245.021	245.021	0.000	0.000	0.000	0.000
USLACH 14330.00	243.161	243.161	243.161	243.161	243.161	0.000	0.000	0.000	0.000
USLACH 14330.00	243.161	243.161	243.161	243.161	243.161	0.000	0.000	0.000	0.000
USLACH 16900.00	241.948	241.948	241.948	241.948	241.948	0.000	0.000	0.000	0.000
USLACH 16900.00	241.948	241.948	241.948	241.948	241.948	0.000	0.000	0.000	0.000
USLACH 19160.00	241.006	241.007	241.006	241.006	241.007	0.001	0.000	0.000	0.001
USLACH 19160.00	241.006	241.007	241.006	241.006	241.007	0.001	0.000	0.000	0.001
USLACH 20100.00	240.426	240.432	240.426	240.426	240.432	0.006	0.000	0.000	0.006
USLACH 20100.00	240.426	240.432	240.426	240.426	240.432	0.006	0.000	0.000	0.006
USLACH 21070.00	240.195	240.209	240.195	240.195	240.209	0.014	0.000	0.000	0.014
USBUND 0.00	245.7	245.7	245.7	245.7	245.7	0.000	0.000	0.000	0.000
USBUND 470.00	245.452	245.452	245.452	245.452	245.452	0.000	0.000	0.000	0.000
USBUND 2300.00	244.504	244.504	244.504	244.504	244.504	0.000	0.000	0.000	0.000
USBUND 2300.00	244.504	244.504	244.504	244.504	244.504	0.000	0.000	0.000	0.000
USBUND 4890.00	242.37	242.37	242.37	242.37	242.37	0.000	0.000	0.000	0.000
USBUND 4890.00	242.37	242.37	242.37	242.37	242.37	0.000	0.000	0.000	0.000
USBUND 7380.00	239.657	239.657	239.657	239.657	239.657	0.000	0.000	0.000	0.000
USBUND 10130.00	238.923	238.923	238.923	238.923	238.923	0.000	0.000	0.000	0.000
USBUND 10130.00	238.923	238.923	238.923	238.923	238.923	0.000	0.000	0.000	0.000
USBUND 14290.00	238.729	238.729	238.729	238.729	238.729	0.000	0.000	0.000	0.000
USBUND 14290.00	238.729	238.729	238.729	238.729	238.729	0.000	0.000	0.000	0.000
USBUND 15790.00	238.707	238.708	238.707	238.707	238.708	0.001	0.000	0.000	0.001
STHCROSS -3150.00	246.157	246.157	246.157	246.157	246.157	0.000	0.000	0.000	0.000
STHCROSS 0.00	243.952	243.952	243.952	243.952	243.952	0.000	0.000	0.000	0.000
STHCROSS 0.00	243.952	243.952	243.952	243.952	243.952	0.000	0.000	0.000	0.000
STHCROSS 2820.00	243.337	243.337	243.337	243.337	243.337	0.000	0.000	0.000	0.000
STHCROSS 2820.00	243.337	243.337	243.337	243.337	243.337	0.000	0.000	0.000	0.000
STHCROSS 5160.00	241.937	241.937	241.937	241.937	241.937	0.000	0.000	0.000	0.000
STHCROSS 5160.00	241.937	241.937	241.937	241.937	241.937	0.000	0.000	0.000	0.000
STHCROSS 7800.00	240.474	240.474	240.474	240.474	240.474	0.000	0.000	0.000	0.000
STHCROSS 9630.00	239.886	239.889	239.886	239.886	239.889	0.003	0.000	0.000	0.003
STHCROSS 10140.00	239.798	239.801	239.798	239.798	239.801	0.003	0.000	0.000	0.003
STHRUN 0.00	241.937	241.937	241.937	241.937	241.937	0.000	0.000	0.000	0.000
STHRUN 5940.00	239.936	239.938	239.936	239.936	239.938	0.002	0.000	0.000	0.002
STHRUN 8190.00	239.815	239.818	239.815	239.815	239.818	0.003	0.000	0.000	0.003
STHRUN 9530.00	239.798	239.801	239.798	239.798	239.801	0.003	0.000	0.000	0.003
USBUNDW 0.00	248.855	248.855	248.855	248.855	248.855	0.000	0.000	0.000	0.000
USBUNDW 1200.00	245.7	245.7	245.7	245.7	245.7	0.000	0.000	0.000	0.000
STHXW 0.00	245.611	245.611	245.611	245.611	245.611	0.000	0.000	0.000	0.000
STHXW 40.00	243.952	243.952	243.952	243.952	243.952	0.000	0.000	0.000	0.000
STHXCAMPW 0.00	240.426	240.432	240.426	240.426	240.432	0.006	0.000	0.000	0.006
STHXCAMPW 1100.00	239.635	239.641	239.635	239.635	239.641	0.006	0.000	0.000	0.006

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
STHXCAMPW 1400.00	239.413	239.422	239.413	239.413	239.422	0.009	0.000	0.000	0.009
USBUND2W 0.00	241.948	241.948	241.948	241.948	241.948	0.000	0.000	0.000	0.000
USBUND2W 650.00	238.923	238.923	238.923	238.923	238.923	0.000	0.000	0.000	0.000
BUNCUL 0.00	238.707	238.708	238.707	238.707	238.708	0.001	0.000	0.000	0.001
BUNCUL 60.00	236.704	236.705	236.704	236.704	236.705	0.001	0.000	0.000	0.001
USBUNDL1 0.00	245.611	245.611	245.611	245.611	245.611	0.000	0.000	0.000	0.000
USBUNDL1 200.00	244.504	244.504	244.504	244.504	244.504	0.000	0.000	0.000	0.000
USBUNDL2 0.00	245.021	245.021	245.021	245.021	245.021	0.000	0.000	0.000	0.000
USBUNDL2 200.00	242.37	242.37	242.37	242.37	242.37	0.000	0.000	0.000	0.000
USBUNDL5 0.00	241.006	241.007	241.006	241.006	241.007	0.001	0.000	0.000	0.001
USBUNDL5 500.00	238.729	238.729	238.729	238.729	238.729	0.000	0.000	0.000	0.000
OBN_L1 -500.00	236.857	236.852	236.861	236.858	236.858	-0.005	0.004	0.001	0.001
OBN_L1 -220.00	237.061	237.054	237.063	237.062	237.057	-0.007	0.002	0.001	-0.004
OBN_L1 -220.00	237.061	237.054	237.063	237.062	237.057	-0.007	0.002	0.001	-0.004
OBN_L1 70.00	237.373	237.368	237.369	237.373	237.364	-0.005	-0.004	0.000	-0.009
USLACHL1 0.00	246.582	246.582	246.582	246.582	246.582	0.000	0.000	0.000	0.000
USLACHL1 3000.00	246.157	246.157	246.157	246.157	246.157	0.000	0.000	0.000	0.000
LACH_OBNW 0.00	236.783	236.776	236.782	236.783	236.776	-0.007	-0.001	0.000	-0.007
LACH_OBNW 50.00	236.775	236.768	236.774	236.775	236.768	-0.007	-0.001	0.000	-0.007
RLR06 0.00	239.081	239.073	239.08	239.081	239.072	-0.008	-0.001	0.000	-0.009
RLR06 40.00	238.875	238.867	238.874	238.875	238.867	-0.008	-0.001	0.000	-0.008
RLR07 0.00	239.081	239.073	239.08	239.081	239.072	-0.008	-0.001	0.000	-0.009
RLR07 200.00	239.035	239.028	239.035	239.035	239.027	-0.007	0.000	0.000	-0.008
RLR07 240.00	238.927	238.92	238.926	238.927	238.919	-0.007	-0.001	0.000	-0.008
RLR07 400.00	238.875	238.867	238.874	238.875	238.867	-0.008	-0.001	0.000	-0.008
USLACHL2 0.00	239.98	240.003	239.979	239.98	240.003	0.023	-0.001	0.000	0.023
USLACHL2 2000.00	239.313	239.322	239.313	239.313	239.322	0.009	0.000	0.000	0.009
BRANC3 0.00	236.175	236.172	236.174	236.175	236.172	-0.003	-0.001	0.000	-0.003
BRANC3 200.00	237.06	237.064	237.06	237.06	237.064	0.004	0.000	0.000	0.004
USLACHL3 0.00	245.021	245.021	245.021	245.021	245.021	0.000	0.000	0.000	0.000
USLACHL3 800.00	243.337	243.337	243.337	243.337	243.337	0.000	0.000	0.000	0.000
USLACHL4 0.00	243.161	243.161	243.161	243.161	243.161	0.000	0.000	0.000	0.000
USLACHL4 600.00	241.937	241.937	241.937	241.937	241.937	0.000	0.000	0.000	0.000
LAKEFL1 0.00	235.876	235.879	235.876	235.876	235.879	0.003	0.000	0.000	0.003
LAKEFL1 450.00	235.226	235.227	235.226	235.226	235.227	0.001	0.000	0.000	0.001
COLLEGE3 0.00	238.711	238.704	238.71	238.711	238.703	-0.007	-0.001	0.000	-0.008
COLLEGE3 100.00	238.036	238.03	238.036	238.036	238.03	-0.006	0.000	0.000	-0.006
COLLEGE3 250.00	237.061	237.054	237.063	237.062	237.057	-0.007	0.002	0.001	-0.004
OXFD1 0.00	237.65	237.65	237.65	237.651	237.651	0.000	0.000	0.001	0.001
OXFD1 40.00	237.876	237.88	237.876	237.876	237.88	0.004	0.000	0.000	0.004
FITZ1 0.00	236.783	236.776	236.782	236.783	236.776	-0.007	-0.001	0.000	-0.007
FITZ1 40.00	236.254	236.25	236.253	236.254	236.25	-0.004	-0.001	0.000	-0.004
FITZ1 90.00	236.253	236.25	236.252	236.253	236.25	-0.003	-0.001	0.000	-0.003
RLR08 0.00	239.194	239.186	239.194	239.194	239.185	-0.008	0.000	0.000	-0.009
RLR08 250.00	239.189	239.181	239.189	239.189	239.181	-0.008	0.000	0.000	-0.008
RLR08 290.00	238.711	238.704	238.71	238.711	238.703	-0.007	-0.001	0.000	-0.008

Table A2 Modelled Peak Water Levels for all Scenarios (contd)

MIKE11 Cross Section	Modelled PWL (mAHD)					Difference in PWL (m)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
FITZL1 -50.00	236.735	236.728	236.734	236.735	236.728	-0.007	-0.001	0.000	-0.007
Maximum						**0.029**	**0.007**	**0.004**	**0.029**
Minimum						**-0.01**	**-0.008**	**-0.001**	**-0.013**

PWL : Peak Water Level ; Op1 - Bathurst Street site; Op2 - River Road site; Op3 - Former Lachlan Vintage Village site; Op4 - All Proposed Residential Areas in three sites

Table A3 Modelled Peak Discharges for all Scenarios

MIKE11 Cross Section	Modelled Peak Discharge (m^3/s)					Change in Peak Discharge (%)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
BATT -12.50	706	711	706	706	710	0.6	0.0	0.0	0.6
BATT 5.00	706	711	706	706	710	0.6	0.0	0.0	0.6
BATT 37.50	706	711	706	706	710	0.6	0.0	0.0	0.6
BATT 89.50	706	711	706	706	710	0.6	0.0	0.0	0.6
BATT 137.00	706	711	706	706	710	0.6	0.0	0.0	0.6
BATT 185.00	706	710	706	706	710	0.6	0.0	0.0	0.6
BATT 275.00	706	710	706	706	710	0.6	0.0	0.0	0.6
BATT 363.00	706	710	706	706	710	0.6	0.0	0.0	0.6
BATT 455.00	706	710	706	706	710	0.6	0.0	0.0	0.6
BATT 579.50	706	710	706	706	711	0.6	0.0	0.0	0.7
LACH_OBN 54.50	72	69	71	72	69	-4.0	-0.3	0.0	-4.4
LACH_OBN 112.00	72	69	71	72	69	-4.0	-0.3	0.0	-4.4
LACH_OBN 221.00	72	69	71	72	69	-4.0	-0.3	0.0	-4.4
LACH_OBN 343.50	72	69	71	72	69	-4.1	-0.3	0.0	-4.4
LACH_OBN 419.33	235	228	234	235	228	-2.6	-0.2	0.0	-2.9
LACH_OBN 444.00	235	228	234	235	228	-2.6	-0.2	0.0	-2.9
LACH_OBN 468.67	235	228	234	235	228	-2.6	-0.2	0.0	-2.9
LACH_OBN 493.33	235	228	234	235	228	-2.6	-0.2	0.0	-2.9
LACH_OBN 518.00	235	228	234	235	228	-2.6	-0.2	0.0	-2.9
LACH_OBN 542.66	234	228	234	234	228	-2.6	-0.2	0.0	-2.9
LACH_OBN 567.34	234	228	234	234	228	-2.6	-0.2	0.0	-2.9
LACH_OBN 592.00	234	228	234	234	228	-2.6	-0.2	0.0	-2.9
LACH_OBN 616.66	234	228	234	234	228	-2.6	-0.2	0.0	-2.9
LACH_OBN 640.68	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 664.04	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 687.41	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 710.77	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 734.13	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 757.49	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 780.86	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 804.23	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 827.59	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 850.96	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 874.32	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 898.05	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 922.14	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 946.23	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 970.32	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 994.41	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1018.50	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1042.59	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1066.68	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1090.77	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1114.86	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1138.95	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1162.45	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1185.35	374	369	373	374	368	-1.2	-0.2	0.0	-1.4

Table A3 Modelled Peak Discharges for all Scenarios (contd)

MIKE11 Cross Section	Modelled Peak Discharge (m^3/s)					Change in Peak Discharge (%)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LACH_OBN 1208.25	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1231.15	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1254.05	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1276.95	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1299.85	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1322.75	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1345.65	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1368.55	374	369	373	374	368	-1.2	-0.2	0.0	-1.4
LACH_OBN 1391.00	508	501	507	508	499	-1.5	-0.3	0.0	-1.7
LACH_OBN 1413.00	508	501	507	508	499	-1.5	-0.3	0.0	-1.7
LACHLAN -1311.43	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -1214.29	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -1117.14	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -1020.00	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -922.86	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -825.71	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -728.57	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -631.43	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -534.29	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -388.57	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -242.86	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -145.71	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN -48.57	1,515	1,505	1,515	1,515	1,505	-0.6	0.0	0.0	-0.6
LACHLAN 47.00	1,454	1,437	1,454	1,454	1,437	-1.2	0.0	0.0	-1.2
LACHLAN 141.00	1,454	1,437	1,454	1,454	1,437	-1.2	0.0	0.0	-1.2
LACHLAN 235.00	1,454	1,437	1,454	1,454	1,437	-1.2	0.0	0.0	-1.2
LACHLAN 329.00	1,454	1,437	1,454	1,454	1,437	-1.2	0.0	0.0	-1.2
LACHLAN 423.00	1,454	1,437	1,454	1,454	1,437	-1.2	0.0	0.0	-1.2
LACHLAN 517.00	1,454	1,437	1,454	1,454	1,437	-1.2	0.0	0.0	-1.2
LACHLAN 611.00	1,454	1,437	1,454	1,454	1,437	-1.2	0.0	0.0	-1.2
LACHLAN 705.00	1,454	1,437	1,454	1,454	1,437	-1.2	0.0	0.0	-1.2
LACHLAN 799.00	1,454	1,437	1,454	1,454	1,437	-1.2	0.0	0.0	-1.2
LACHLAN 893.00	1,454	1,437	1,454	1,454	1,437	-1.2	0.0	0.0	-1.2
LACHLAN 987.00	1,454	1,437	1,454	1,454	1,437	-1.2	0.0	0.0	-1.2
LACHLAN 1080.38	1,293	1,271	1,293	1,293	1,271	-1.7	0.0	0.0	-1.7
LACHLAN 1173.13	1,293	1,271	1,293	1,293	1,271	-1.7	0.0	0.0	-1.7
LACHLAN 1265.88	1,293	1,271	1,293	1,293	1,271	-1.7	0.0	0.0	-1.7
LACHLAN 1358.63	1,293	1,271	1,293	1,293	1,271	-1.7	0.0	0.0	-1.7
LACHLAN 1451.38	1,293	1,271	1,293	1,293	1,271	-1.7	0.0	0.0	-1.7
LACHLAN 1544.13	1,293	1,271	1,293	1,293	1,271	-1.7	0.0	0.0	-1.7
LACHLAN 1636.88	1,293	1,271	1,293	1,293	1,271	-1.7	0.0	0.0	-1.7
LACHLAN 1729.63	1,293	1,271	1,293	1,293	1,271	-1.7	0.0	0.0	-1.7
LACHLAN 1813.83	1,135	1,121	1,136	1,135	1,121	-1.3	0.0	0.0	-1.3
LACHLAN 1889.50	1,135	1,121	1,135	1,135	1,121	-1.3	0.0	0.0	-1.3
LACHLAN 1965.17	1,135	1,121	1,135	1,135	1,121	-1.3	0.0	0.0	-1.2
LACHLAN 2047.75	1,067	1,058	1,067	1,067	1,058	-0.8	0.0	0.0	-0.8
LACHLAN 2137.25	1,067	1,058	1,067	1,067	1,058	-0.8	0.0	0.0	-0.8

Table A3 Modelled Peak Discharges for all Scenarios (contd)

MIKE11 Cross Section	Modelled Peak Discharge (m^3/s)					Change in Peak Discharge (%)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LACHLAN 2226.75	1,066	1,058	1,067	1,066	1,058	-0.8	0.0	0.0	-0.8
LACHLAN 2316.25	1,066	1,058	1,067	1,066	1,058	-0.8	0.0	0.0	-0.8
LACHLAN 2400.83	805	801	806	805	801	-0.6	0.0	0.0	-0.5
LACHLAN 2480.50	805	801	806	805	801	-0.6	0.0	0.0	-0.5
LACHLAN 2560.17	805	801	806	805	801	-0.6	0.0	0.0	-0.5
LACHLAN 2639.63	805	800	806	805	801	-0.6	0.0	0.0	-0.5
LACHLAN 2718.88	805	800	806	805	801	-0.6	0.0	0.0	-0.5
LACHLAN 2798.13	805	800	805	805	801	-0.6	0.0	0.0	-0.5
LACHLAN 2877.38	805	800	805	805	801	-0.6	0.0	0.0	-0.5
LACHLAN 2922.00	805	800	805	805	801	-0.6	0.0	0.0	-0.5
LACHLAN 2932.00	805	800	805	805	801	-0.6	0.0	0.0	-0.5
LACHLAN 3070.00	850	848	850	850	848	-0.3	0.0	0.0	-0.3
LACHLAN 3358.00	779	779	779	779	780	0.0	0.1	0.0	0.1
LACHLAN 3523.00	1,050	1,047	1,051	1,050	1,047	-0.3	0.1	0.0	-0.3
LACHLAN 3543.00	888	888	889	888	889	0.0	0.1	0.0	0.0
LACHLAN 3754.50	888	888	889	888	889	0.0	0.1	0.0	0.0
LACHLAN 4177.00	875	873	876	875	874	-0.2	0.1	0.0	-0.1
LACHLAN 4609.00	851	845	854	851	848	-0.7	0.3	0.0	-0.4
LACHLAN 5052.50	851	845	854	851	848	-0.7	0.3	0.0	-0.4
LACHLAN 5496.50	863	856	865	863	859	-0.7	0.3	0.0	-0.4
LACHLAN 5871.00	1,012	1,012	1,015	1,012	1,015	-0.1	0.3	0.0	0.2
LACHLAN 6248.50	1,012	1,012	1,015	1,012	1,015	-0.1	0.3	0.0	0.2
LACHLAN 6511.20	1,012	1,011	1,015	1,012	1,014	-0.1	0.3	0.0	0.2
LACHLAN 6607.60	1,012	1,011	1,015	1,012	1,014	-0.1	0.3	0.0	0.2
LACHLAN 6704.00	1,012	1,011	1,014	1,012	1,014	-0.1	0.3	0.0	0.2
LACHLAN 6800.40	1,012	1,011	1,014	1,012	1,014	-0.1	0.3	0.0	0.2
LACHLAN 6896.80	1,012	1,011	1,014	1,012	1,014	-0.1	0.3	0.0	0.2
LACHLAN 6993.20	1,011	1,011	1,014	1,011	1,014	-0.1	0.3	0.0	0.2
LACHLAN 7089.60	1,011	1,011	1,014	1,011	1,014	-0.1	0.3	0.0	0.2
LACHLAN 7186.00	1,011	1,011	1,014	1,011	1,013	-0.1	0.3	0.0	0.2
LACHLAN 7282.40	1,011	1,011	1,014	1,011	1,013	-0.1	0.3	0.0	0.2
LACHLAN 7378.80	1,011	1,011	1,014	1,011	1,013	-0.1	0.3	0.0	0.2
LACHLAN 7472.33	1,161	1,157	1,163	1,161	1,159	-0.3	0.1	0.0	-0.2
LACHLAN 7563.00	1,161	1,157	1,163	1,161	1,159	-0.3	0.1	0.0	-0.2
LACHLAN 7653.67	1,161	1,157	1,163	1,161	1,159	-0.3	0.1	0.0	-0.2
LACHLAN 7744.33	1,161	1,157	1,163	1,161	1,159	-0.3	0.1	0.0	-0.2
LACHLAN 7835.00	1,161	1,157	1,162	1,161	1,159	-0.3	0.1	0.0	-0.2
LACHLAN 7925.67	1,161	1,157	1,162	1,161	1,159	-0.3	0.1	0.0	-0.2
LACHLAN 8016.33	1,161	1,157	1,162	1,161	1,158	-0.3	0.1	0.0	-0.2
LACHLAN 8107.00	1,161	1,157	1,162	1,161	1,158	-0.3	0.1	0.0	-0.2
LACHLAN 8197.67	1,161	1,157	1,162	1,161	1,158	-0.3	0.1	0.0	-0.2
LACHLAN 8293.00	1,161	1,157	1,162	1,161	1,158	-0.3	0.1	0.0	-0.2
LACHLAN 8393.00	1,161	1,157	1,162	1,161	1,158	-0.3	0.1	0.0	-0.2
LACHLAN 8493.00	1,161	1,157	1,162	1,161	1,158	-0.3	0.1	0.0	-0.2
LACHLAN 8593.00	1,161	1,157	1,162	1,161	1,158	-0.3	0.1	0.0	-0.2
LACHLAN 8693.00	1,161	1,157	1,162	1,161	1,158	-0.3	0.1	0.0	-0.2
LACHLAN 8793.00	1,161	1,157	1,162	1,161	1,158	-0.3	0.1	0.0	-0.2

Table A3 Modelled Peak Discharges for all Scenarios (contd)

MIKE11 Cross Section	Modelled Peak Discharge (m^3/s)					Change in Peak Discharge (%)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LACHLAN 8893.00	1,160	1,157	1,162	1,160	1,158	-0.3	0.1	0.0	-0.2
LACHLAN 8993.00	1,160	1,157	1,162	1,160	1,158	-0.3	0.1	0.0	-0.2
LACHLAN 9087.50	1,126	1,122	1,127	1,126	1,124	-0.3	0.1	0.0	-0.2
LACHLAN 9176.50	1,125	1,122	1,127	1,125	1,124	-0.3	0.1	0.0	-0.2
LACHLAN 9265.50	1,125	1,122	1,127	1,125	1,123	-0.3	0.1	0.0	-0.2
LACHLAN 9354.50	1,125	1,122	1,127	1,125	1,123	-0.3	0.1	0.0	-0.2
LACHLAN 9443.50	1,125	1,122	1,127	1,125	1,123	-0.3	0.1	0.0	-0.2
LACHLAN 9532.80	923	922	924	923	922	-0.1	0.1	0.0	-0.1
LACHLAN 9622.40	922	921	923	922	922	-0.1	0.1	0.0	-0.1
LACHLAN 9712.00	922	921	922	922	921	-0.1	0.1	0.0	-0.1
LACHLAN 9801.60	921	920	922	921	921	-0.1	0.1	0.0	-0.1
LACHLAN 9891.20	920	919	921	920	920	-0.1	0.1	0.0	0.0
LACHLAN 9956.00	920	919	920	920	919	-0.1	0.1	0.0	0.0
LACHLAN 10011.88	919	918	919	919	919	-0.1	0.1	0.0	0.0
LACHLAN 10103.63	918	917	918	918	918	-0.1	0.1	0.0	0.0
LACHLAN 10195.38	917	916	918	917	917	-0.1	0.1	0.0	0.0
LACHLAN 10287.13	916	915	917	916	916	0.0	0.1	0.0	0.0
LACHLAN 10378.88	915	914	916	915	915	0.0	0.1	0.0	0.0
LACHLAN 10470.63	914	914	915	914	914	0.0	0.1	0.0	0.0
LACHLAN 10562.38	913	913	914	913	913	0.0	0.1	0.0	0.0
LACHLAN 10654.13	912	912	913	912	912	0.0	0.1	0.0	0.0
LACHLAN 10743.00	1,280	1,272	1,279	1,280	1,272	-0.6	-0.1	0.0	-0.6
LACHLAN 10793.00	1,280	1,272	1,279	1,280	1,272	-0.6	-0.1	0.0	-0.6
LACHLAN 10836.00	1,233	1,226	1,232	1,233	1,226	-0.5	0.0	0.0	-0.5
LACHLAN 10966.50	1,232	1,226	1,232	1,232	1,226	-0.5	0.0	0.0	-0.5
LACHLAN 11108.25	1,232	1,226	1,231	1,232	1,226	-0.5	0.0	0.0	-0.5
LACHLAN 11202.75	1,232	1,226	1,231	1,232	1,226	-0.5	0.0	0.0	-0.5
LACHLAN 11264.00	1,232	1,225	1,231	1,232	1,226	-0.5	0.0	0.0	-0.5
LACHLAN 11289.00	1,232	1,225	1,231	1,232	1,226	-0.5	0.0	0.0	-0.5
LACHLAN 11350.00	1,232	1,225	1,231	1,232	1,225	-0.5	0.0	0.0	-0.5
LACHLAN 11465.00	1,244	1,238	1,243	1,244	1,238	-0.5	-0.1	0.0	-0.5
LACHLAN 11667.50	1,291	1,283	1,290	1,291	1,283	-0.7	-0.1	0.0	-0.6
LACHLAN 12333.50	1,726	1,722	1,725	1,726	1,722	-0.2	-0.1	0.0	-0.2
LACHLAN 13233.50	1,726	1,722	1,725	1,726	1,722	-0.2	-0.1	0.0	-0.2
LACHLAN 13977.00	3,371	3,374	3,370	3,371	3,374	0.1	0.0	0.0	0.1
LACHLAN 15324.50	3,369	3,371	3,367	3,369	3,371	0.1	0.0	0.0	0.1
LAKEF -1387.50	1,461	1,461	1,461	1,461	1,461	0.0	0.0	0.0	0.0
LAKEF -1362.50	1,461	1,461	1,461	1,461	1,461	0.0	0.0	0.0	0.0
LAKEF -1337.50	1,461	1,461	1,461	1,461	1,461	0.0	0.0	0.0	0.0
LAKEF -1312.50	1,461	1,461	1,461	1,461	1,461	0.0	0.0	0.0	0.0
LAKEF -1287.50	1,461	1,461	1,461	1,461	1,461	0.0	0.0	0.0	0.0
LAKEF -1250.00	1,461	1,461	1,461	1,461	1,461	0.0	0.0	0.0	0.0
LAKEF -1212.50	1,461	1,460	1,461	1,461	1,460	0.0	0.0	0.0	0.0
LAKEF -1187.50	1,461	1,460	1,461	1,461	1,460	0.0	0.0	0.0	0.0
LAKEF -1162.50	1,461	1,460	1,461	1,461	1,460	0.0	0.0	0.0	0.0
LAKEF -1137.50	1,461	1,460	1,461	1,461	1,460	0.0	0.0	0.0	0.0
LAKEF -1112.50	1,461	1,460	1,461	1,461	1,460	0.0	0.0	0.0	0.0

Table A3 Modelled Peak Discharges for all Scenarios (contd)

MIKE11 Cross Section	Modelled Peak Discharge (m^3/s)					Change in Peak Discharge (%)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LAKEF -1087.50	1,461	1,460	1,461	1,461	1,460	0.0	0.0	0.0	0.0
LAKEF -1062.50	1,461	1,460	1,461	1,461	1,460	0.0	0.0	0.0	0.0
LAKEF -1037.50	1,461	1,460	1,461	1,461	1,460	0.0	0.0	0.0	0.0
LAKEF -1012.50	1,461	1,460	1,461	1,461	1,460	0.0	0.0	0.0	0.0
LAKEF -987.50	1,460	1,460	1,460	1,460	1,460	0.0	0.0	0.0	0.0
LAKEF -962.50	1,460	1,460	1,460	1,460	1,460	0.0	0.0	0.0	0.0
LAKEF -937.50	1,460	1,460	1,460	1,460	1,460	0.0	0.0	0.0	0.0
LAKEF -912.50	1,460	1,460	1,460	1,460	1,460	0.0	0.0	0.0	0.0
LAKEF -887.50	1,460	1,460	1,460	1,460	1,460	0.0	0.0	0.0	0.0
LAKEF -862.50	1,460	1,459	1,460	1,460	1,459	0.0	0.0	0.0	0.0
LAKEF -837.50	1,460	1,459	1,460	1,460	1,459	0.0	0.0	0.0	0.0
LAKEF -812.50	1,460	1,459	1,460	1,460	1,459	0.0	0.0	0.0	0.0
LAKEF -787.50	1,460	1,459	1,460	1,460	1,459	0.0	0.0	0.0	0.0
LAKEF -762.50	1,460	1,459	1,460	1,460	1,459	0.0	0.0	0.0	0.0
LAKEF -737.50	1,459	1,459	1,459	1,459	1,459	0.0	0.0	0.0	0.0
LAKEF -712.50	1,459	1,459	1,459	1,459	1,459	0.0	0.0	0.0	0.0
LAKEF -687.50	1,459	1,459	1,459	1,459	1,459	0.0	0.0	0.0	0.0
LAKEF -662.50	1,459	1,459	1,459	1,459	1,459	0.0	0.0	0.0	0.0
LAKEF -637.50	1,459	1,458	1,459	1,459	1,458	0.0	0.0	0.0	0.0
LAKEF -612.50	1,459	1,458	1,459	1,459	1,458	0.0	0.0	0.0	0.0
LAKEF -587.50	1,459	1,458	1,459	1,459	1,458	0.0	0.0	0.0	0.0
LAKEF -562.50	1,459	1,458	1,459	1,459	1,458	0.0	0.0	0.0	0.0
LAKEF -537.50	1,458	1,458	1,458	1,458	1,458	0.0	0.0	0.0	0.0
LAKEF -512.50	1,458	1,458	1,458	1,458	1,458	0.0	0.0	0.0	0.0
LAKEF -487.50	1,458	1,458	1,458	1,458	1,458	0.0	0.0	0.0	0.0
LAKEF -462.50	1,458	1,457	1,458	1,458	1,457	0.0	0.0	0.0	0.0
LAKEF -437.50	1,458	1,457	1,458	1,458	1,457	0.0	0.0	0.0	0.0
LAKEF -412.50	1,458	1,457	1,458	1,458	1,457	0.0	0.0	0.0	0.0
LAKEF -387.50	1,458	1,457	1,458	1,458	1,457	0.0	0.0	0.0	0.0
LAKEF -362.50	1,457	1,457	1,457	1,457	1,457	0.0	0.0	0.0	0.0
LAKEF -337.50	1,457	1,457	1,457	1,457	1,457	0.0	0.0	0.0	0.0
LAKEF -312.50	1,457	1,457	1,457	1,457	1,457	0.0	0.0	0.0	0.0
LAKEF -287.50	1,457	1,457	1,457	1,457	1,457	0.0	0.0	0.0	0.0
LAKEF -262.50	1,457	1,457	1,457	1,457	1,457	0.0	0.0	0.0	0.0
LAKEF -237.50	1,457	1,457	1,457	1,457	1,457	0.0	0.0	0.0	0.0
LAKEF -212.50	1,457	1,456	1,457	1,457	1,456	0.0	0.0	0.0	0.0
LAKEF -187.50	1,457	1,456	1,457	1,457	1,456	0.0	0.0	0.0	0.0
LAKEF -162.50	1,457	1,456	1,457	1,457	1,456	0.0	0.0	0.0	0.0
LAKEF -137.50	1,457	1,456	1,457	1,457	1,456	0.0	0.0	0.0	0.0
LAKEF -112.50	1,457	1,456	1,457	1,457	1,456	0.0	0.0	0.0	0.0
LAKEF -87.50	1,457	1,456	1,457	1,457	1,456	0.0	0.0	0.0	0.0
LAKEF -62.50	1,457	1,456	1,457	1,457	1,456	0.0	0.0	0.0	0.0
LAKEF -37.50	1,457	1,456	1,457	1,457	1,456	0.0	0.0	0.0	0.0
LAKEF -12.50	1,457	1,456	1,457	1,457	1,456	0.0	0.0	0.0	0.0
LAKEF 12.28	2,275	2,283	2,275	2,275	2,283	0.4	0.0	0.0	0.4
LAKEF 36.85	2,275	2,283	2,274	2,275	2,283	0.4	0.0	0.0	0.4
LAKEF 61.41	2,274	2,283	2,274	2,274	2,283	0.4	0.0	0.0	0.4

Table A3 Modelled Peak Discharges for all Scenarios (contd)

MIKE11 Cross Section	Modelled Peak Discharge (m^3/s)					Change in Peak Discharge (%)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LAKEF 85.97	2,274	2,282	2,274	2,274	2,282	0.4	0.0	0.0	0.4
LAKEF 110.54	2,274	2,282	2,274	2,274	2,282	0.4	0.0	0.0	0.4
LAKEF 135.10	2,274	2,282	2,274	2,274	2,282	0.4	0.0	0.0	0.4
LAKEF 159.66	2,274	2,282	2,273	2,274	2,282	0.4	0.0	0.0	0.4
LAKEF 184.23	2,273	2,282	2,273	2,273	2,282	0.4	0.0	0.0	0.4
LAKEF 208.79	2,273	2,281	2,273	2,273	2,281	0.4	0.0	0.0	0.4
LAKEF 233.35	2,273	2,281	2,273	2,273	2,281	0.4	0.0	0.0	0.4
LAKEF 257.92	2,273	2,281	2,273	2,273	2,281	0.4	0.0	0.0	0.4
LAKEF 282.48	2,273	2,281	2,272	2,273	2,281	0.4	0.0	0.0	0.4
LAKEF 307.05	2,272	2,281	2,272	2,272	2,281	0.4	0.0	0.0	0.4
LAKEF 331.61	2,272	2,280	2,272	2,272	2,280	0.4	0.0	0.0	0.4
LAKEF 356.17	2,272	2,280	2,272	2,272	2,280	0.4	0.0	0.0	0.4
LAKEF 380.74	2,272	2,280	2,272	2,272	2,280	0.4	0.0	0.0	0.4
LAKEF 405.30	2,272	2,280	2,271	2,272	2,280	0.4	0.0	0.0	0.4
LAKEF 429.86	2,271	2,280	2,271	2,271	2,280	0.4	0.0	0.0	0.4
LAKEF 454.43	2,271	2,279	2,271	2,271	2,279	0.4	0.0	0.0	0.4
LAKEF 478.99	2,271	2,279	2,271	2,271	2,279	0.4	0.0	0.0	0.4
LAKEF 503.55	2,271	2,279	2,271	2,271	2,279	0.4	0.0	0.0	0.4
LAKEF 528.12	2,271	2,279	2,271	2,271	2,279	0.4	0.0	0.0	0.4
LAKEF 552.68	2,270	2,279	2,270	2,270	2,279	0.4	0.0	0.0	0.4
LAKEF 577.25	2,270	2,278	2,270	2,270	2,278	0.4	0.0	0.0	0.4
LAKEF 601.81	2,270	2,278	2,270	2,270	2,278	0.4	0.0	0.0	0.4
LAKEF 626.37	2,270	2,278	2,270	2,270	2,278	0.4	0.0	0.0	0.4
LAKEF 650.94	2,270	2,278	2,270	2,270	2,278	0.4	0.0	0.0	0.4
LAKEF 675.50	2,269	2,278	2,269	2,269	2,278	0.4	0.0	0.0	0.4
LAKEF 700.06	2,269	2,277	2,269	2,269	2,277	0.4	0.0	0.0	0.4
LAKEF 724.63	2,269	2,277	2,269	2,269	2,277	0.4	0.0	0.0	0.4
LAKEF 749.19	2,269	2,277	2,269	2,269	2,277	0.4	0.0	0.0	0.4
LAKEF 773.75	2,269	2,277	2,269	2,269	2,277	0.4	0.0	0.0	0.4
LAKEF 798.32	2,268	2,277	2,268	2,268	2,277	0.4	0.0	0.0	0.4
LAKEF 822.88	2,268	2,277	2,268	2,268	2,277	0.4	0.0	0.0	0.4
LAKEF 847.45	2,268	2,276	2,268	2,268	2,276	0.4	0.0	0.0	0.4
LAKEF 872.01	2,268	2,276	2,268	2,268	2,276	0.4	0.0	0.0	0.4
LAKEF 896.57	2,268	2,276	2,268	2,268	2,276	0.4	0.0	0.0	0.4
LAKEF 921.14	2,268	2,276	2,267	2,268	2,276	0.4	0.0	0.0	0.4
LAKEF 945.70	2,267	2,276	2,267	2,267	2,276	0.4	0.0	0.0	0.4
LAKEF 970.26	2,267	2,276	2,267	2,267	2,276	0.4	0.0	0.0	0.4
LAKEF 994.83	2,267	2,276	2,267	2,267	2,276	0.4	0.0	0.0	0.4
LAKEF 1019.39	2,267	2,276	2,267	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1043.95	2,267	2,275	2,267	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1068.52	2,267	2,275	2,267	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1093.08	2,267	2,275	2,267	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1117.65	2,267	2,275	2,267	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1142.21	2,267	2,275	2,267	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1166.77	2,267	2,275	2,267	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1191.34	2,267	2,275	2,267	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1215.90	2,267	2,275	2,267	2,267	2,275	0.4	0.0	0.0	0.4

Table A3 Modelled Peak Discharges for all Scenarios (contd)

MIKE11 Cross Section	Modelled Peak Discharge (m^3/s)					Change in Peak Discharge (%)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LAKEF 1240.46	2,267	2,275	2,267	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1265.03	2,267	2,275	2,267	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1289.59	2,267	2,275	2,267	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1314.15	2,267	2,275	2,266	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1338.72	2,267	2,275	2,266	2,267	2,275	0.4	0.0	0.0	0.4
LAKEF 1363.33	2,322	2,337	2,321	2,322	2,337	0.7	0.0	0.0	0.6
LAKEF 1387.99	2,322	2,337	2,321	2,322	2,337	0.7	0.0	0.0	0.6
LAKEF 1412.65	2,322	2,337	2,321	2,322	2,337	0.7	0.0	0.0	0.7
LAKEF 1437.31	2,321	2,337	2,321	2,321	2,337	0.7	0.0	0.0	0.7
LAKEF 1461.97	2,321	2,337	2,321	2,321	2,337	0.7	0.0	0.0	0.7
LAKEF 1486.63	2,321	2,337	2,321	2,321	2,337	0.7	0.0	0.0	0.7
LAKEF 1511.28	2,321	2,337	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1535.94	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1560.60	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1585.26	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1609.92	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1634.58	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1659.24	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1683.90	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1708.56	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1733.22	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1757.88	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1782.53	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1807.19	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1831.85	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1856.51	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1881.17	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1905.83	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1930.49	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1955.15	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 1979.81	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 2004.47	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 2029.13	2,321	2,336	2,321	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 2053.78	2,321	2,336	2,320	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 2078.44	2,321	2,336	2,320	2,321	2,336	0.7	0.0	0.0	0.7
LAKEF 2103.10	2,321	2,336	2,320	2,320	2,336	0.7	0.0	0.0	0.7
LAKEF 2127.76	2,320	2,336	2,320	2,320	2,336	0.7	0.0	0.0	0.7
LAKEF 2152.42	2,320	2,336	2,320	2,320	2,336	0.7	0.0	0.0	0.7
LAKEF 2177.08	2,320	2,336	2,320	2,320	2,336	0.7	0.0	0.0	0.7
LAKEF 2201.74	2,320	2,336	2,320	2,320	2,336	0.7	0.0	0.0	0.7
LAKEF 2226.40	2,320	2,336	2,320	2,320	2,336	0.7	0.0	0.0	0.7
LAKEF 2251.06	2,320	2,336	2,320	2,320	2,336	0.7	0.0	0.0	0.7
LAKEF 2275.72	2,320	2,336	2,320	2,320	2,335	0.7	0.0	0.0	0.7
LAKEF 2300.38	2,320	2,335	2,320	2,320	2,335	0.7	0.0	0.0	0.7
LAKEF 2325.03	2,320	2,335	2,320	2,320	2,335	0.7	0.0	0.0	0.7
LAKEF 2349.69	2,320	2,335	2,320	2,320	2,335	0.7	0.0	0.0	0.7
LAKEF 2374.35	2,320	2,335	2,320	2,320	2,335	0.7	0.0	0.0	0.7

Table A3 Modelled Peak Discharges for all Scenarios (contd)

MIKE11 Cross Section	Modelled Peak Discharge (m^3/s)					Change in Peak Discharge (%)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LAKEF 2399.01	2,320	2,335	2,320	2,320	2,335	0.7	0.0	0.0	0.7
LAKEF 2423.67	2,320	2,335	2,320	2,320	2,335	0.7	0.0	0.0	0.7
LAKEF 2448.24	1,083	1,085	1,082	1,082	1,085	0.2	0.0	0.0	0.2
LAKEF 2472.71	1,082	1,084	1,082	1,082	1,084	0.2	0.0	0.0	0.2
LAKEF 2497.18	1,081	1,084	1,081	1,081	1,084	0.3	0.0	0.0	0.3
LAKEF 2521.65	1,081	1,084	1,081	1,081	1,084	0.3	0.0	0.0	0.3
LAKEF 2546.12	1,080	1,084	1,080	1,080	1,084	0.4	0.0	0.0	0.4
LAKEF 2570.59	1,080	1,084	1,080	1,080	1,084	0.4	0.0	0.0	0.4
LAKEF 2595.06	1,079	1,084	1,079	1,079	1,084	0.5	0.0	0.0	0.5
LAKEF 2619.53	1,079	1,084	1,079	1,079	1,084	0.5	0.0	0.0	0.5
LAKEF 2644.00	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2668.47	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2692.94	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2717.41	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2741.88	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2766.35	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2790.82	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2815.29	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2839.76	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2860.50	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2872.00	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2883.50	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 2990.50	1,078	1,084	1,078	1,078	1,084	0.6	0.0	0.0	0.6
LAKEF 3164.50	37	38	37	37	38	0.7	0.0	0.0	0.7
LAKEF 3242.50	37	38	37	37	38	0.7	0.0	0.0	0.7
LAKEF 3309.50	37	38	37	37	38	0.7	0.0	0.0	0.7
LAKEF 3471.50	1,106	1,110	1,106	1,106	1,110	0.4	0.0	0.0	0.4
LAKEF 3636.50	1,256	1,261	1,256	1,256	1,261	0.4	0.0	0.0	0.4
LAKEF 3706.50	125	126	125	125	126	0.7	0.0	0.0	0.7
LAKEF 3716.50	125	126	125	125	126	0.7	0.0	0.0	0.7
LAKEF 3795.00	1,256	1,261	1,256	1,256	1,261	0.4	0.0	0.0	0.4
LAKEF 3963.50	1,517	1,524	1,517	1,517	1,524	0.5	0.0	0.0	0.5
LAKEF 4163.00	1,517	1,524	1,517	1,517	1,524	0.5	0.0	0.0	0.5
LAKEF 4275.00	1,517	1,524	1,517	1,517	1,524	0.5	0.0	0.0	0.5
LAKEF 4318.50	1,383	1,389	1,383	1,383	1,389	0.5	0.0	0.0	0.4
LAKEF 4360.50	1,383	1,389	1,383	1,383	1,389	0.5	0.0	0.0	0.4
LAKEF 4380.50	1,383	1,389	1,383	1,383	1,389	0.5	0.0	0.0	0.4
LAKEF 4476.00	1,383	1,389	1,383	1,383	1,389	0.5	0.0	0.0	0.5
LAKEF 4567.00	84	84	84	84	84	0.0	0.0	0.0	0.0
LAKEF 4581.50	84	84	84	84	84	0.0	0.0	0.0	0.0
LAKEF 4601.50	84	84	84	84	84	0.0	0.0	0.0	0.0
LAKEF 4782.00	1,377	1,383	1,376	1,377	1,386	0.4	-0.1	0.0	0.6
LAKEF 4997.00	2,097	2,092	2,089	2,097	2,099	-0.2	-0.4	0.0	0.1
LAKEF 5050.00	2,098	2,095	2,104	2,098	2,107	-0.1	0.3	0.0	0.4
LAKEF 5420.50	2,084	2,094	2,082	2,084	2,094	0.5	-0.1	0.0	0.5
LAKEF 6336.50	1,646	1,653	1,646	1,646	1,653	0.4	0.0	0.0	0.4
LAKEF 7278.00	1,646	1,653	1,646	1,646	1,653	0.4	0.0	0.0	0.4

Table A3 Modelled Peak Discharges for all Scenarios (contd)

MIKE11 Cross Section	Modelled Peak Discharge (m^3/s)					Change in Peak Discharge (%)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
LAKEF 7680.00	1,646	1,653	1,646	1,646	1,653	0.4	0.0	0.0	0.4
LAKEF 7738.00	1,646	1,653	1,646	1,646	1,653	0.4	0.0	0.0	0.4
LAKEF 8164.00	1,646	1,653	1,646	1,646	1,653	0.4	0.0	0.0	0.4
OXFD 59.50	134	135	134	134	135	1.0	0.0	0.0	1.0
OXFD 204.00	134	135	134	134	135	1.0	0.0	0.0	1.0
OXFD 374.00	134	135	134	134	135	1.0	0.0	0.0	1.0
OXFD 392.33	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 417.00	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 441.67	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 465.82	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 489.45	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 513.09	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 536.73	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 560.36	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 584.00	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 607.64	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 631.27	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 654.91	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 678.55	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 702.18	140	141	140	140	141	1.0	0.0	0.0	1.0
OXFD 767.00	140	141	140	140	141	1.0	0.0	0.0	1.0
BATH 40.00	-96	-100	-96	-96	-100	3.4	0.0	0.0	3.4
BATH 190.00	-96	-100	-96	-96	-100	3.4	0.0	0.0	3.4
BATH 335.00	-96	-100	-96	-96	-100	3.4	0.0	0.0	3.4
BATH 470.00	261	264	261	261	264	1.1	0.0	0.0	1.1
COLLEGE1 125.00	193	190	192	193	188	-2.0	-0.9	0.0	-3.0
SOUTH 25.00	480	481	480	480	481	0.2	0.0	0.0	0.2
SOUTH 1825.00	1,540	1,541	1,540	1,540	1,541	0.1	0.0	0.0	0.1
SOUTH 3765.00	1,528	1,529	1,528	1,528	1,529	0.1	0.0	0.0	0.1
SOUTH 5125.00	1,517	1,518	1,517	1,517	1,518	0.1	0.0	0.0	0.1
SOUTH 7560.00	1,506	1,507	1,506	1,506	1,507	0.1	0.0	0.0	0.1
SOUTH 9994.73	1,538	1,538	1,538	1,538	1,538	0.0	0.0	0.0	0.0
SOUTH 11854.73	1,865	1,864	1,867	1,865	1,864	-0.1	0.1	0.0	-0.1
RLR05 50.06	79	75	79	79	75	-5.2	-0.1	0.0	-5.3
RLR05 295.06	7	7	7	7	7	-0.4	0.1	0.0	-0.2
RLR05 520.00	5	5	5	5	5	0.0	0.0	0.0	0.0
RLR04 -225.00	170	162	170	170	162	-4.9	-0.1	0.0	-4.9
RLR04 -100.00	15	15	15	15	15	-0.2	0.1	0.0	0.0
RLR04 20.00	14	14	14	14	14	-0.1	0.0	0.0	0.0
RLR03 20.00	157	149	157	157	148	-5.3	-0.1	0.0	-5.4
RLR02 -475.00	162	167	162	162	167	3.5	-0.1	0.0	3.4
RLR02 -225.00	13	13	13	13	13	0.4	0.0	0.0	0.5
RLR02 20.00	12	12	12	12	12	0.4	0.0	0.0	0.3
RLR01 20.00	150	156	150	150	156	3.7	-0.1	0.0	3.7
RLF01 20.00	355	361	355	355	361	1.8	0.0	0.0	1.7
RLF02 20.00	7	7	7	7	7	0.2	0.0	0.0	0.1
RLF03 20.00	734	737	734	734	737	0.3	0.0	0.0	0.3

Table A3 Modelled Peak Discharges for all Scenarios (contd)

MIKE11 Cross Section	Modelled Peak Discharge (m^3/s)					Change in Peak Discharge (%)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
CAMP 10.00	1,131	1,135	1,131	1,131	1,135	0.3	0.0	0.0	0.3
FOOT 20.00	582	581	582	582	581	-0.1	0.0	0.0	-0.1
COLLEGE2 50.00	163	160	162	163	159	-2.0	-0.2	0.0	-2.2
COLLEGE2 300.00	163	160	162	163	159	-2.0	-0.2	0.0	-2.2
COLLEGE2 410.00	163	160	162	163	159	-2.0	-0.2	0.0	-2.2
BATES 20.00	1,297	1,304	1,297	1,297	1,304	0.5	0.0	0.0	0.5
RLF04 20.00	185	186	185	185	186	0.3	0.0	0.0	0.3
BUN3 1500.00	339	337	340	339	337	-0.7	0.3	0.0	-0.7
BUN2 1500.00	35	35	35	35	35	-1.4	0.3	0.0	-1.6
USLACH 1230.00	5,337	5,337	5,337	5,337	5,337	0.0	0.0	0.0	0.0
USLACH 3465.00	5,266	5,266	5,266	5,266	5,266	0.0	0.0	0.0	0.0
USLACH 6390.00	4,682	4,682	4,682	4,682	4,682	0.0	0.0	0.0	0.0
USLACH 9730.00	4,656	4,656	4,656	4,656	4,656	0.0	0.0	0.0	0.0
USLACH 12740.00	3,473	3,473	3,473	3,473	3,473	0.0	0.0	0.0	0.0
USLACH 15615.00	2,905	2,905	2,905	2,905	2,905	0.0	0.0	0.0	0.0
USLACH 18030.00	2,853	2,853	2,853	2,853	2,853	0.0	0.0	0.0	0.0
USLACH 19630.00	2,360	2,360	2,360	2,360	2,360	0.0	0.0	0.0	0.0
USLACH 20585.00	1,515	1,506	1,515	1,515	1,506	-0.6	0.0	0.0	-0.6
USBUND 235.00	417	417	417	417	417	0.0	0.0	0.0	0.0
USBUND 1385.00	417	417	417	417	417	0.0	0.0	0.0	0.0
USBUND 3595.00	417	417	417	417	417	0.0	0.0	0.0	0.0
USBUND 6135.00	1,038	1,038	1,038	1,038	1,038	0.0	0.0	0.0	0.0
USBUND 8755.00	1,036	1,036	1,036	1,036	1,036	0.0	0.0	0.0	0.0
USBUND 12210.00	1,070	1,070	1,070	1,070	1,070	0.0	0.0	0.0	0.0
USBUND 15040.00	1,546	1,547	1,546	1,546	1,547	0.1	0.0	0.0	0.1
STHCROSS -1575.00	582	582	582	582	582	0.0	0.0	0.0	0.0
STHCROSS 1410.00	586	586	586	586	586	0.0	0.0	0.0	0.0
STHCROSS 3990.00	971	971	971	971	971	0.0	0.0	0.0	0.0
STHCROSS 6480.00	710	710	710	710	710	0.0	0.0	0.0	0.0
STHCROSS 8715.00	706	705	706	706	705	0.0	0.0	0.0	0.0
STHCROSS 9885.00	695	694	695	695	694	-0.1	0.0	0.0	-0.1
STHRUN 2970.00	833	834	833	833	834	0.0	0.0	0.0	0.0
STHRUN 7065.00	791	791	791	791	791	0.0	0.0	0.0	0.0
STHRUN 8860.00	789	789	789	789	789	0.0	0.0	0.0	0.0
USBUNDW 170.00	65	65	65	65	65	0.0	0.0	0.0	0.0
STHXW 20.00	49	49	49	49	49	0.0	0.0	0.0	0.0
STHXCAMPW 20.00	845	854	845	845	854	1.0	0.0	0.0	1.0
STHXCAMPW 1250.00	839	848	839	839	848	1.0	0.0	0.0	1.0
USBUND2W 170.00	55	55	55	55	55	0.0	0.0	0.0	0.0
BUNCUL 30.00	1,066	1,067	1,066	1,066	1,067	0.0	0.0	0.0	0.0
USBUNDL1 100.00	0	0	0	0	0	-	-	-	-
USBUNDL2 100.00	786	786	786	786	786	0.0	0.0	0.0	0.0
USBUNDL5 250.00	492	493	492	492	493	0.2	0.0	0.0	0.2
OBN_L1 -360.00	-135	-132	-134	-135	-131	-2.3	-0.6	0.0	-2.9
OBN_L1 0.00	-44	-43	-43	-44	-42	-1.5	-1.1	0.0	-2.7
USLACHL1 1500.00	579	579	579	579	579	0.0	0.0	0.0	0.0
LACH_OBNW 25.00	495	488	494	495	487	-1.5	-0.3	0.0	-1.8

Table A3 Modelled Peak Discharges for all Scenarios (contd)

MIKE11 Cross Section	Modelled Peak Discharge (m^3/s)					Change in Peak Discharge (%)			
	Base Case	OP1	Op2	Op3	Op4	OP1	Op2	Op3	Op4
RLR06 20.00	43	40	43	43	40	-6.4	-0.2	0.0	-6.7
RLR07 100.00	232	231	233	232	231	-0.6	0.0	0.0	-0.5
RLR07 220.00	232	231	233	232	231	-0.6	0.0	0.0	-0.5
RLR07 320.00	232	231	232	232	231	-0.5	0.0	0.0	-0.5
USLACHL2 1000.00	61	68	61	61	68	11.9	-0.1	0.0	11.9
BRANC3 150.00	-436	-440	-436	-436	-440	0.9	0.0	0.0	0.9
USLACHL3 400.00	395	395	395	395	395	0.0	0.0	0.0	0.0
USLACHL4 300.00	566	566	566	566	566	0.0	0.0	0.0	0.0
LAKEFL1 225.00	1,646	1,653	1,646	1,646	1,653	0.4	0.0	0.0	0.4
COLLEGE3 50.00	91	89	91	91	89	-2.6	-0.3	0.0	-2.9
COLLEGE3 175.00	91	89	91	91	89	-2.6	-0.3	0.0	-2.9
OXFD1 20.00	-6	-6	-6	-6	-6	0.9	0.0	-0.1	0.8
FITZ1 20.00	13	13	13	13	13	-1.0	-0.2	0.0	-1.0
FITZ1 65.00	13	13	13	13	13	-1.0	-0.2	0.0	-1.0
RLR08 125.00	74	70	74	74	70	-5.5	-0.1	0.0	-5.6
RLR08 270.00	74	70	74	74	70	-5.5	-0.1	0.0	-5.7
FITZL1 -25.00	50	48	50	50	48	-5.0	-0.9	0.0	-4.9
FITZL1 150.00	50	48	50	50	48	-4.9	-0.9	0.0	-4.8
Maximum						**11.9**	**0.3**	**0.0**	**11.9**
Minimum						**-6.4**	**-1.1**	**-0.1**	**-6.7**

Op1 - Bathurst Street site; Op2 - River Road site; Op3 - Former Lachlan Vintage Village site; Op4 - All Proposed Residential Areas in three sites