
























**ALTHAUS CREEK
FLOOD STUDY
5 YEAR ARI
Alick Creek**

Figure B10-4

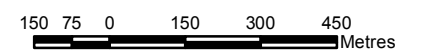
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB10_5y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
10 YEAR ARI
Saunders Beach**

Figure B11-1

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB11_10y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
10 YEAR ARI
Bluewater / Purono Park**

Figure B11-2

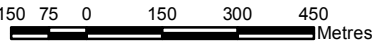
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB11_10y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
10 YEAR ARI
Yabulu / Black River**

Figure B11-3

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development

DATE:16/01/2014

DATE PRINTED: 17/01/2014

DRAWN BY: WBB
























DIGITAL FILE: AlthausCk_FigB11_10y_H.mxd

© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
10 YEAR ARI
Alick Creek
Figure B11-4**

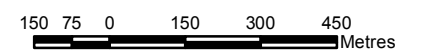
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB11_10y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
20 YEAR ARI
Saunders Beach**

Figure B12-1

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development

DATE: 16/01/2014

DATE PRINTED: 17/01/2014

DRAWN BY: WBB

DIGITAL FILE: AlthausCk_FigB12_20y_H.mxd
























© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
20 YEAR ARI
Bluewater / Purono Park**

Figure B12-2

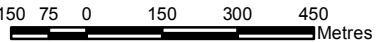
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB12_20y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
20 YEAR ARI
Yabulu / Black River**

Figure B12-3

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development

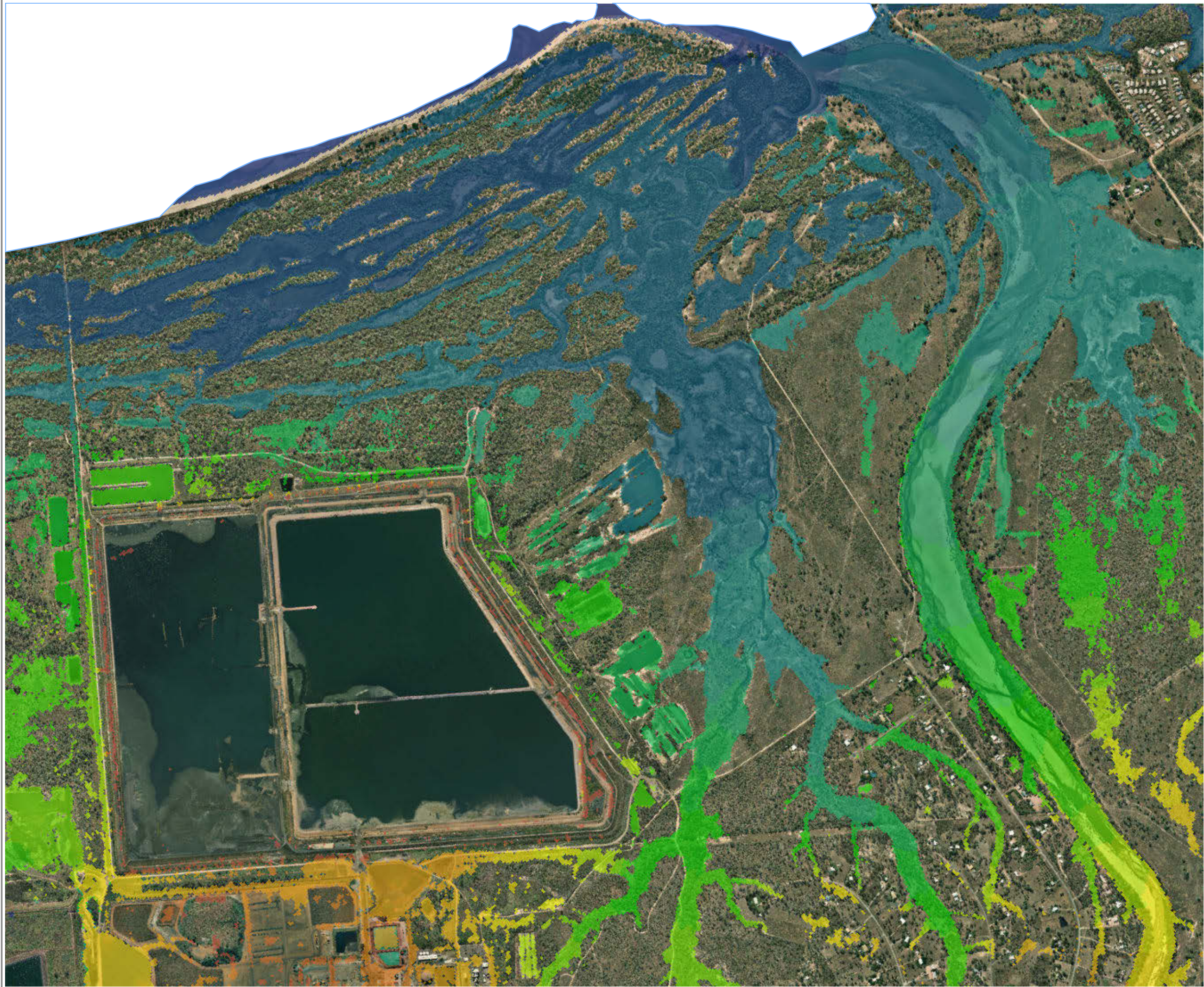
DATE:16/01/2014

DATE PRINTED: 17/01/2014

DRAWN BY: WBB

DIGITAL FILE: AlthausCk_FigB12_20y_H.mxd
























© Townsville City Council 2014



**ALTHAUS CREEK
FLOOD STUDY
20 YEAR ARI
Alick Creek
Figure B12-4**

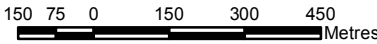
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB12_20y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
50 YEAR ARI
Saunders Beach**

Figure B13-1

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development

DATE:16/01/2014

DATE PRINTED: 17/01/2014

DRAWN BY: WBB

DIGITAL FILE: AlthausCk_FigB13_50y_H.mxd
























© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
50 YEAR ARI
Bluewater / Purono Park**

Figure B13-2

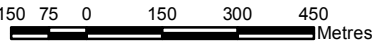
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.
























This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB13_50y_H.mxd
© Townsville City Council 2014

ALTHAUS CREEK FLOOD STUDY 50 YEAR ARI Yabulu / Black River **Figure B13-3**

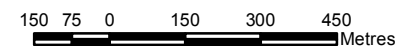
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

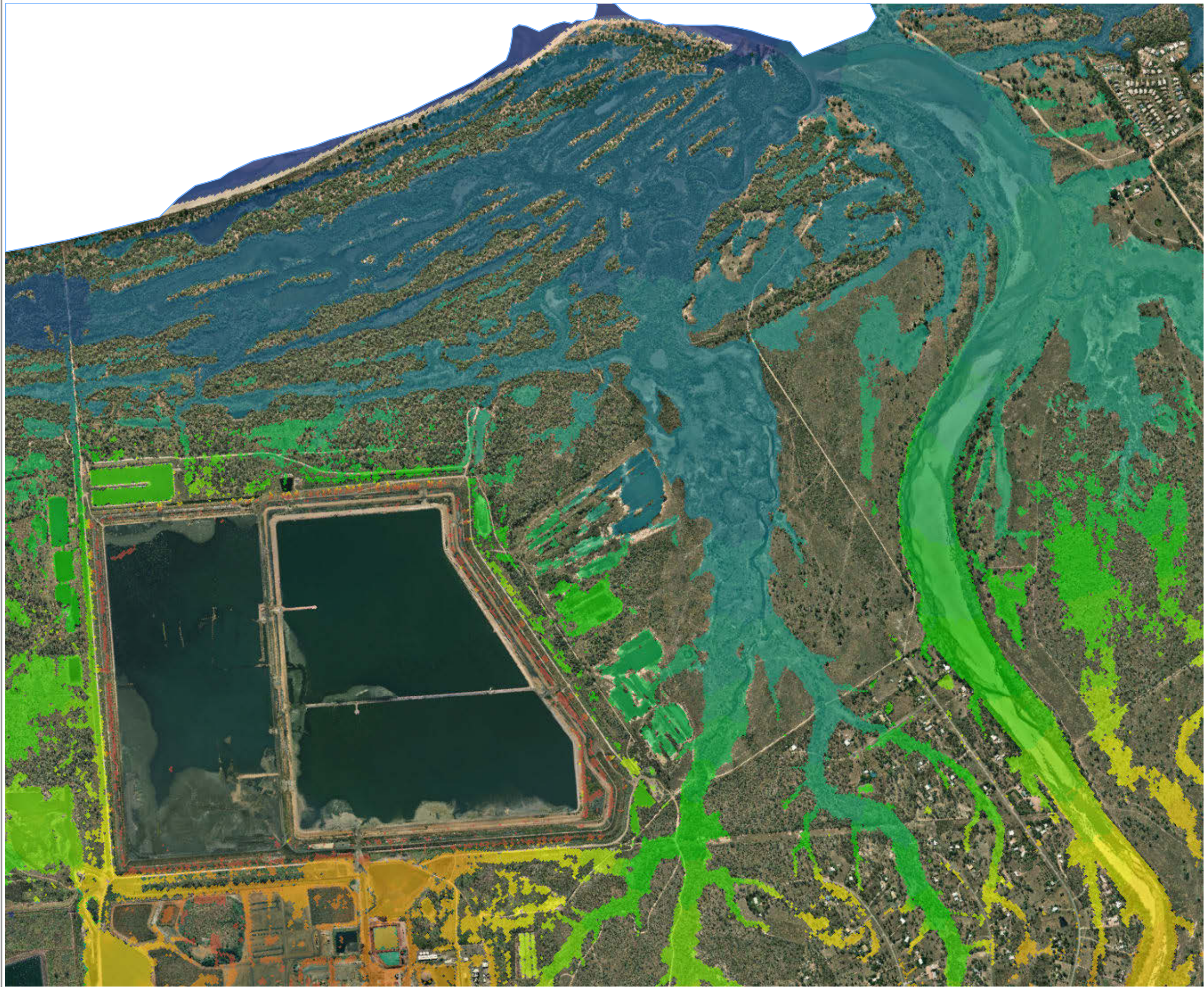


DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB13_50y_H.mxd
© Townsville City Council 2014



**ALTHAUS CREEK
FLOOD STUDY
50 YEAR ARI
Alick Creek
Figure B13-4**

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB13_50y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
100 YEAR ARI
Saunders Beach**

Figure B14-1

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB14_100y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
100 YEAR ARI
Bluewater / Purono Park**

Figure B14-2

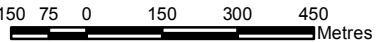
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB14_100y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
100 YEAR ARI
Yabulu / Black River**

Figure B14-3

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.
























This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB14_100y_H.mxd
© Townsville City Council 2014

ALTHAUS CREEK FLOOD STUDY 100 YEAR ARI Alick Creek Figure B14-4

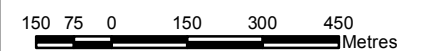
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
 STRATEGIC PLANNING
 Planning and Development
 DATE:16/01/2014
 DATE PRINTED: 17/01/2014
 DRAWN BY: WBB
 DIGITAL FILE: AlthausCk_FigB14_100y_H.mxd
 © Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
500 YEAR ARI
Saunders Beach**

Figure B15-1

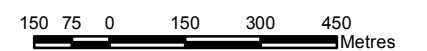
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB15_500y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
500 YEAR ARI
Bluewater / Purono Park**

Figure B15-2

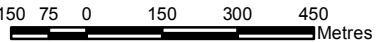
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB15_500y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
500 YEAR ARI
Yabulu / Black River**

Figure B15-3

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.
























This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB15_500y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
500 YEAR ARI
Alick Creek
Figure B15-4**

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.
























This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB15_500y_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
PMF
Saunders Beach
Figure B16-1**

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development

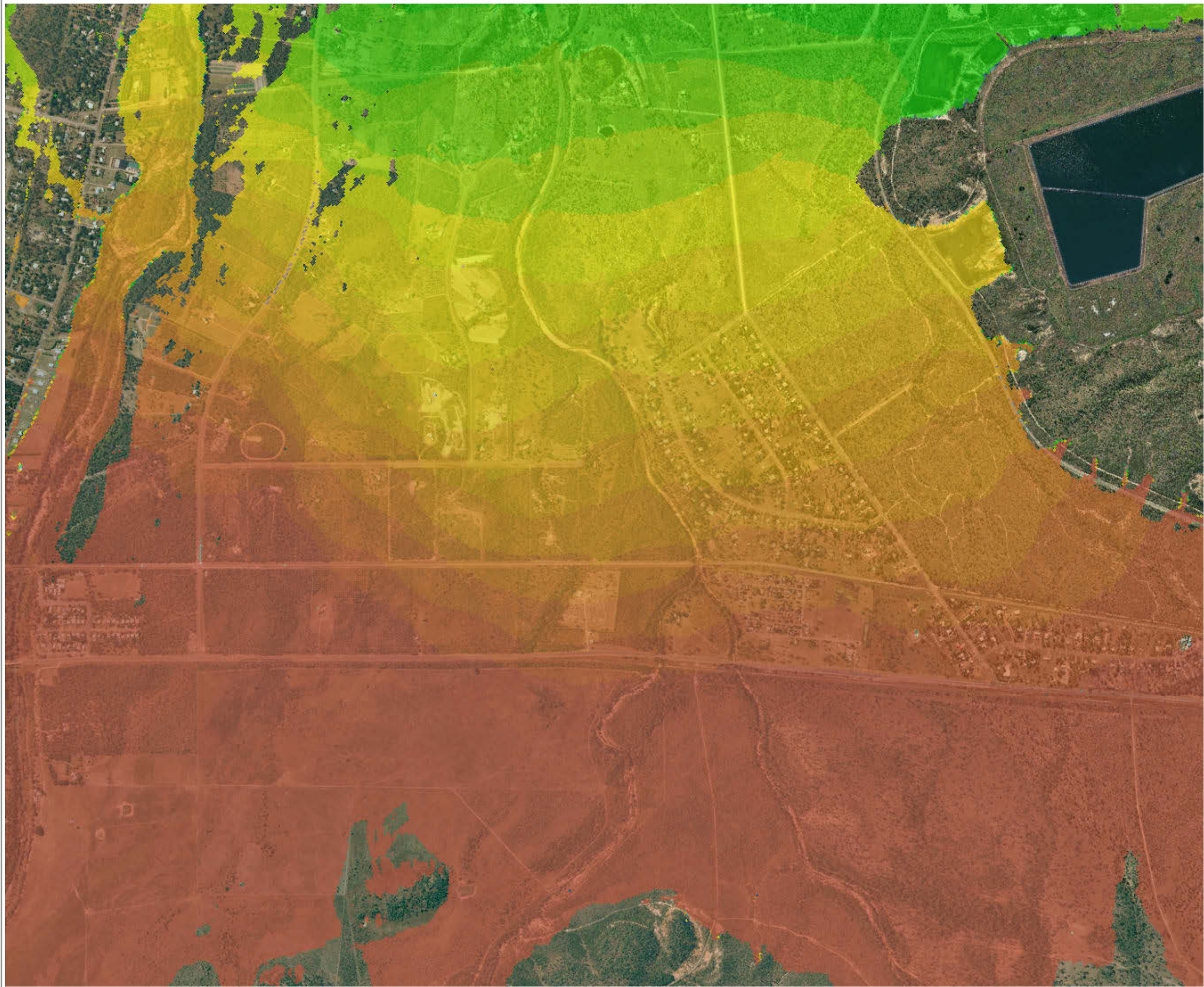
DATE:16/01/2014

DATE PRINTED: 30/01/2014

DRAWN BY: WBB

DIGITAL FILE: AlthausCk_FigB16_PMF_H.mxd
























© Townsville City Council 2014



**ALTHAUS CREEK
FLOOD STUDY
PMF
Bluewater / Purono Park
Figure B16-2**

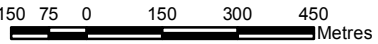
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

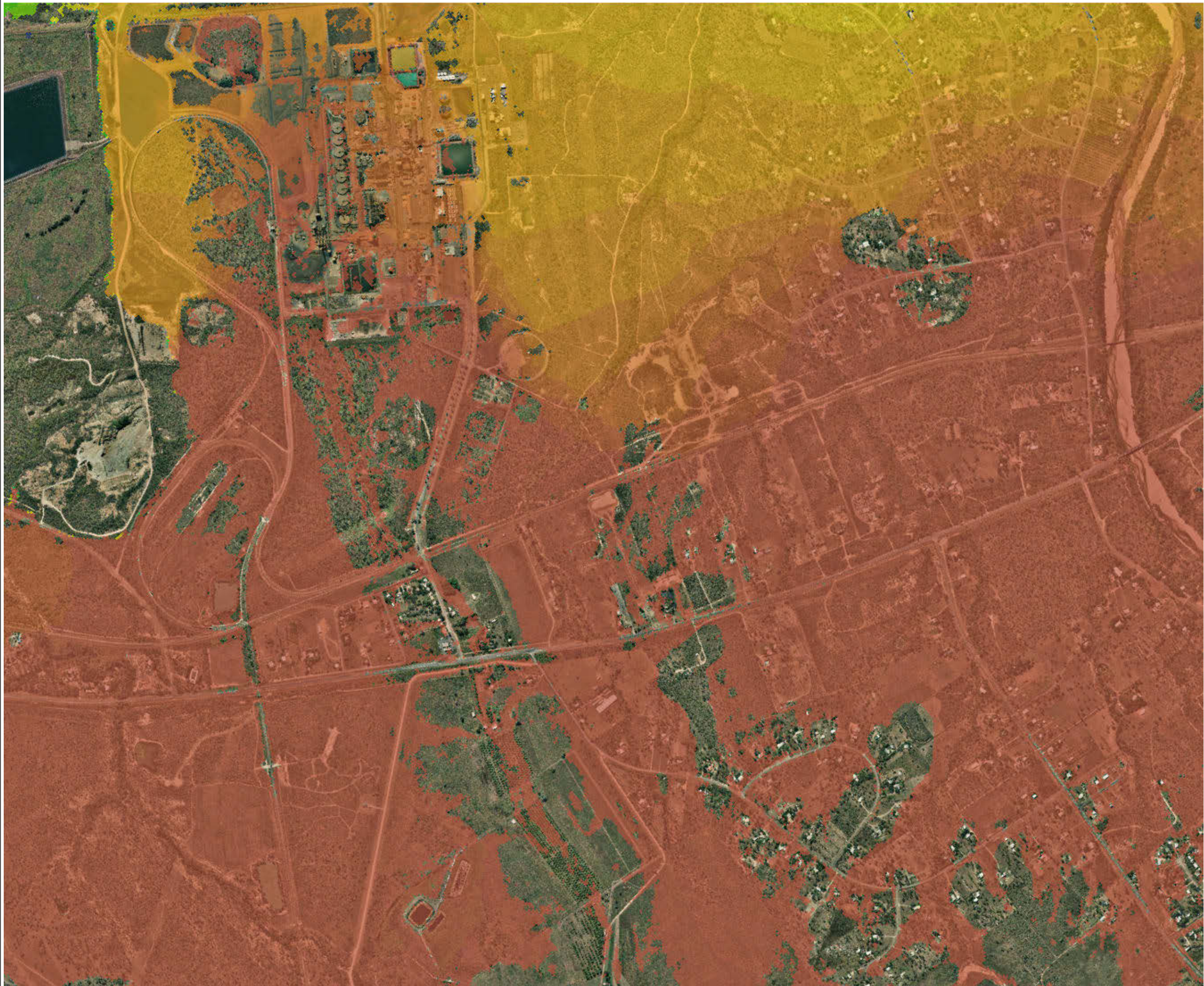


DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 30/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB16_PMF_H.mxd
© Townsville City Council 2014



**ALTHAUS CREEK
FLOOD STUDY
PMF
Yabulu / Black River
Figure B16-3**

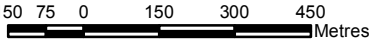
LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

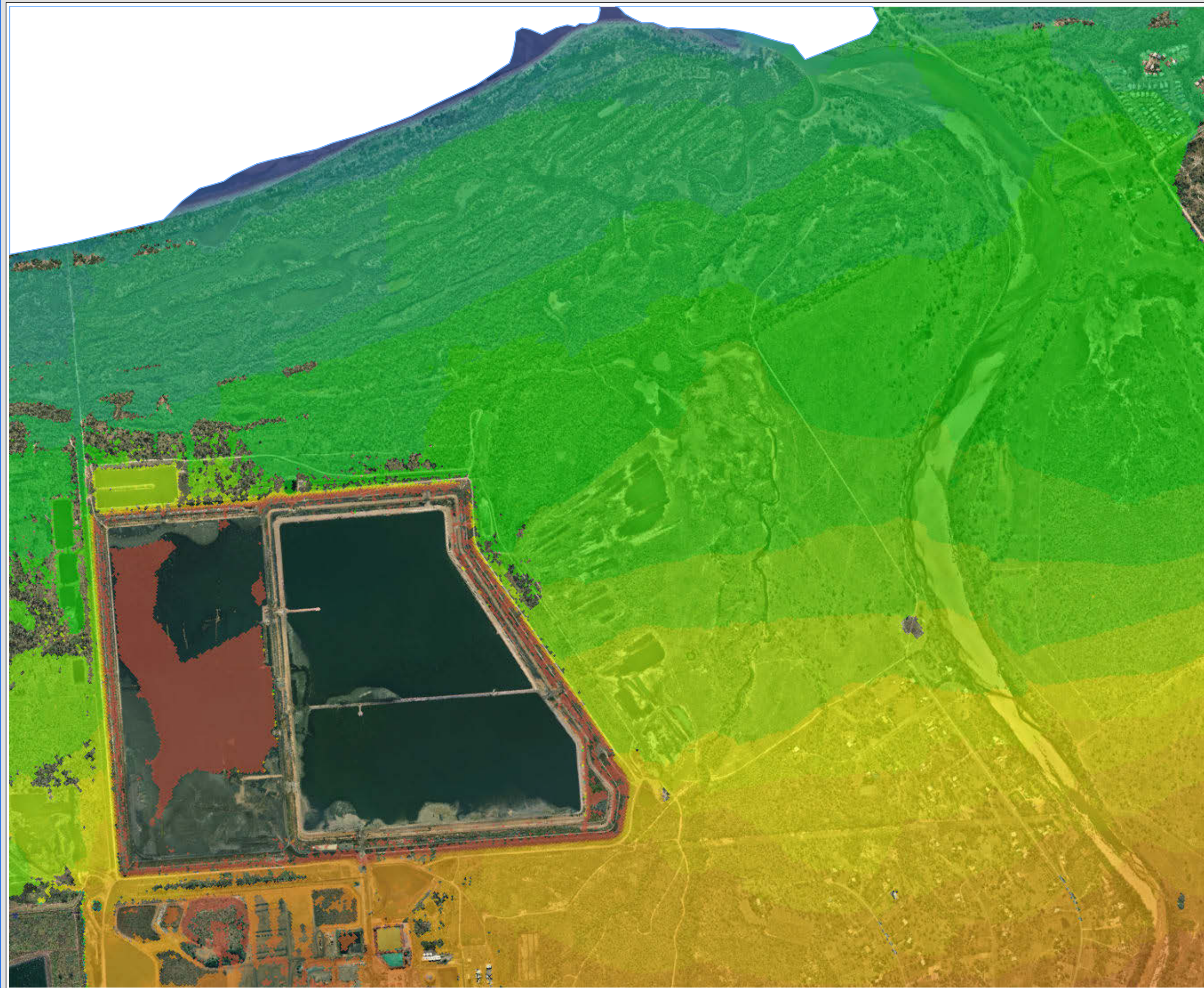


DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.
























Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 30/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB16_PMF_H.mxd
© Townsville City Council 2014



**ALTHAUS CREEK
FLOOD STUDY
PMF
Alick Creek
Figure B16-4**

LEGEND

Water Level (m AHD)

	< 2		7.5 - 8
	2 - 2.5		8 - 8.5
	2.5 - 3		8.5 - 9
	3 - 3.5		9 - 9.5
	3.5 - 4		9.5 - 10
	4 - 4.5		10 - 10.5
	4.5 - 5		10.5 - 11
	5 - 5.5		11 - 11.5
	5.5 - 6		11.5 - 12
	6 - 6.5		12 - 12.5
	6.5 - 7		> 12.5
	7 - 7.5		



SCALE: 1:15,000 @A3

150 75 0 150 300 450
Metres

DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

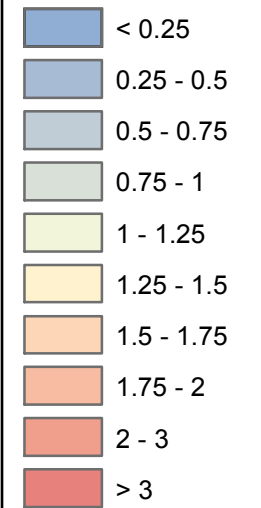
Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 30/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB16_PMF_H.mxd
© Townsville City Council 2014

**ALTHAUS CREEK
FLOOD STUDY
2 YEAR ARI
Saunders Beach**

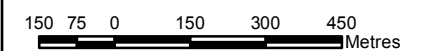
Figure B17-1

LEGEND

Flow velocity (m/s)



SCALE: 1:15,000 @A3

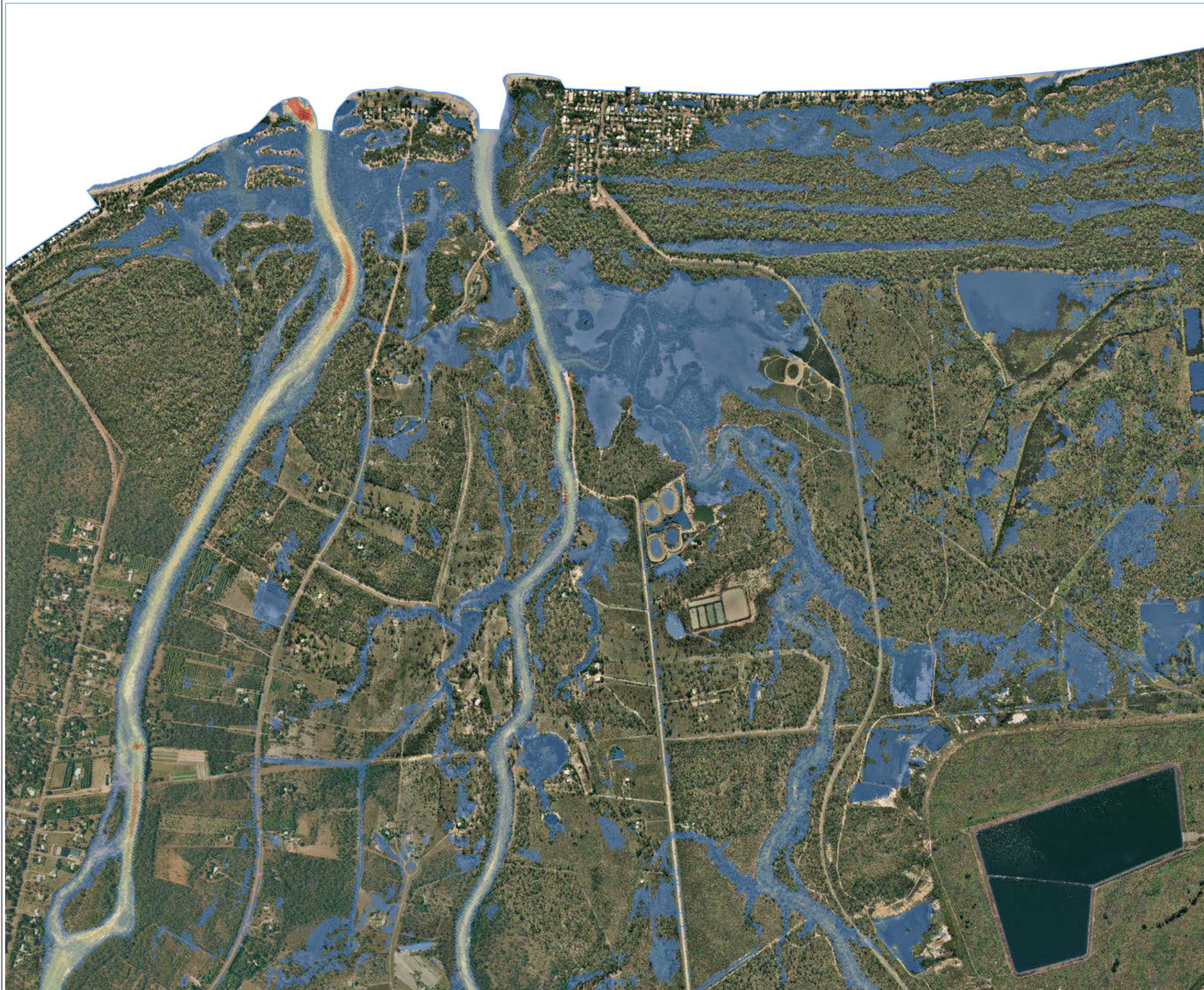


DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB17_2y_V.mxd
© Townsville City Council 2014

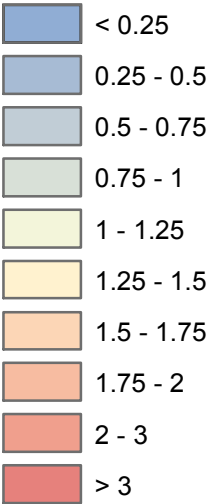


**ALTHAUS CREEK
FLOOD STUDY
2 YEAR ARI
Bluewater / Purono Park**

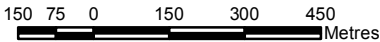
Figure B17-2

LEGEND

Flow velocity (m/s)



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB17_2y_V.mxd
© Townsville City Council 2014

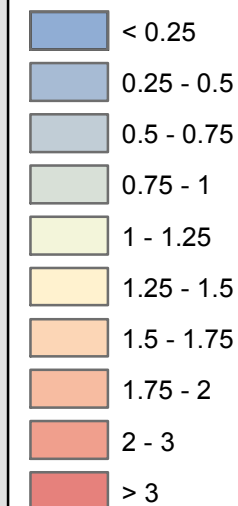


**ALTHAUS CREEK
FLOOD STUDY
2 YEAR ARI
Yabulu / Black River**

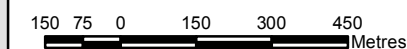
Figure B17-3

LEGEND

Flow velocity (m/s)



SCALE: 1:15,000 @A3



DISCLAIMER

The information shown on this map has been produced from the Townsville City Council's digital database. There is no warranty implied or expressed regarding the accuracy or completeness of the data. The data has been compiled for information and convenience only, and it is the responsibility of the user to verify all information before placing reliance on it. For accurate service locations please contact the Customer Services Centre on 1300 878 001.

This is not a legal document and is published for information and convenience only. The Townsville City Council takes no responsibility for any errors or omissions herein or for any acts that may occur due to its use.

Produced by:
STRATEGIC PLANNING
Planning and Development
DATE:16/01/2014
DATE PRINTED: 17/01/2014
DRAWN BY: WBB
DIGITAL FILE: AlthausCk_FigB17_2y_V.mxd
© Townsville City Council 2014

