
APPENDIX E: PUMP FAILURE SENSITIVITY MAPPING





LEGEND

Stormwater Network

- Manhole
- Inlet
- Pipes and Culverts
- Pumps
- Cadastre

Peak Flood Afflux

- ≤ -0.5
- -0.5 - -0.3
- -0.3 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.01
- -0.01 - 0.01
- 0.01 - 0.05
- 0.05 - 0.10
- 0.10 - 0.2
- 0.2 - 0.3
- > 0.3
- Decreased flood extent
- Increased flood extent

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

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DRAWN	LN	CHECKED	JH

APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
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Appendix E - 001

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Pump Failure Sensitivity Scenario
10% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-04

C:\Projects\QC2003 Byron SC\QC2003_002\BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.aprx



LEGEND

Stormwater Network

- Manhole
- Inlet
- Pipes and Culverts
- Pumps
- Cadastre

Peak Flood Afflux

- Dark Blue: ≤ -0.5
- Blue: $-0.5 - -0.3$
- Light Blue: $-0.3 - -0.2$
- Very Light Blue: $-0.2 - -0.1$
- Cyan: $-0.1 - -0.05$
- Light Cyan: $-0.05 - -0.01$
- White: $-0.01 - 0.01$
- Yellow: $0.01 - 0.05$
- Orange: $0.05 - 0.10$
- Red-Orange: $0.10 - 0.2$
- Red: $0.2 - 0.3$
- Dark Red: > 0.3
- Green: Decreased flood extent
- Pink: Increased flood extent

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NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

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Appendix E - 002

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Pump Failure Sensitivity Scenario
1% AEP Flood Level Afflux

QC2003_002-SKE-04



LEGEND

Stormwater Network

- Manhole
- Inlet
- Pipes and Culverts
- Pumps
- Cadastre

Peak Flood Afflux

- ≤ -0.5
- 0.5 - -0.3
- 0.3 - -0.2
- 0.2 - -0.1
- 0.1 - -0.05
- 0.05 - -0.01
- 0.01 - 0.01
- 0.01 - 0.05
- 0.05 - 0.10
- 0.10 - 0.2
- 0.2 - 0.3
- > 0.3
- Decreased flood extent
- Increased flood extent

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

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NOTES:

N

0 50 100 m

SCALE @ A3 - 1:2,000
GDA2020 / MGA zone 56

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DATA SOURCE
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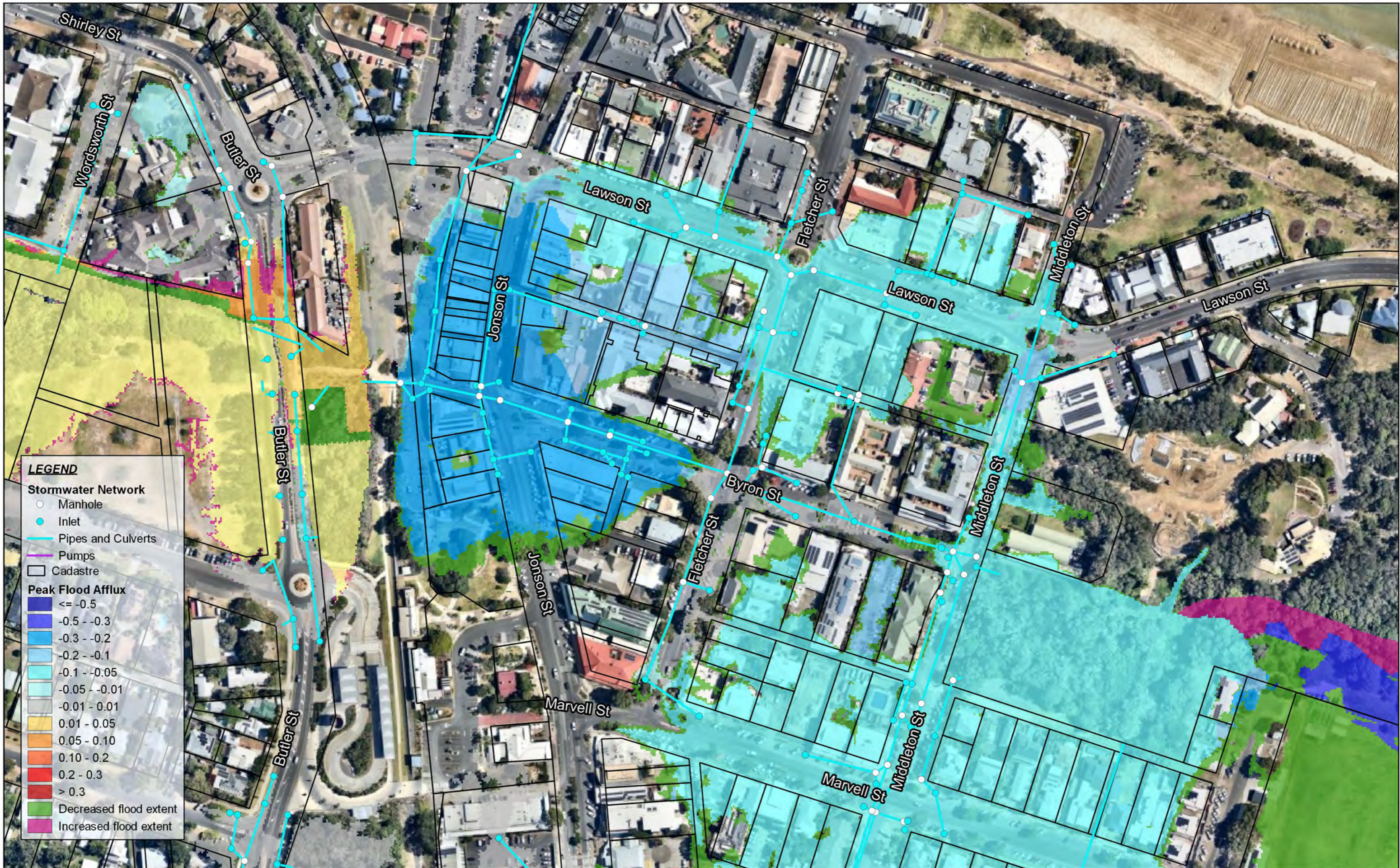


Appendix E - 003

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Pump Failure Sensitivity Scenario
10% AEP Flood Level Afflux

Doc Ref:
QC2003_002-SKE-04



LEGEND

Stormwater Network

- Manhole
- Inlet
- Pipes and Culverts
- Pumps
- Cadastre

Peak Flood Afflux

- ≤ -0.5
- 0.5 - -0.3
- 0.3 - -0.2
- 0.2 - -0.1
- 0.1 - -0.05
- 0.05 - -0.01
- 0.01 - 0.01
- 0.01 - 0.05
- 0.05 - 0.10
- 0.10 - 0.2
- 0.2 - 0.3
- > 0.3
- Decreased flood extent
- Increased flood extent

R	DETAILS	DATE
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DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 50 100 m

SCALE @ A3 - 1:2,000
GDA2020 / MGA zone 56

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DATA SOURCE
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Appendix E - 004

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Pump Failure Sensitivity Scenario
1% AEP Flood Level Afflux

QC2003_002-SKE-04

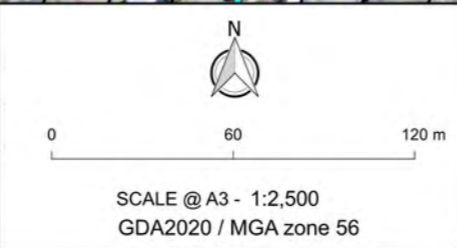


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Appendix E - 005

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Pump Failure Sensitivity Scenario
10% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-04



LEGEND

Stormwater Network

- Manhole
- Inlet
- Pipes and Culverts
- Pumps
- Cadastre

Peak Flood Afflux

- Dark Blue: ≤ -0.5
- Blue: $-0.5 - -0.3$
- Light Blue: $-0.3 - -0.2$
- Very Light Blue: $-0.2 - -0.1$
- Cyan: $-0.1 - -0.05$
- Light Cyan: $-0.05 - -0.01$
- White: $-0.01 - 0.01$
- Yellow: $0.01 - 0.05$
- Orange: $0.05 - 0.10$
- Red-Orange: $0.10 - 0.2$
- Red: $0.2 - 0.3$
- Dark Red: > 0.3
- Green: Decreased flood extent
- Pink: Increased flood extent

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APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

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Appendix E - 006

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Pump Failure Sensitivity Scenario
1% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-04