
APPENDIX D: AFFLUX MAPPING





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 D - 001

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Design Upgrade Scenario
50% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



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 D - 002

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Design Upgrade Scenario
20% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



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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NOTES:

N

0 60 120 m

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

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Appendix D - 003

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Design Upgrade Scenario
10% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03

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

- ≤ -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

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NOTES:

N



0 60 120 m

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

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Appendix D - 004

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Design Upgrade Scenario
5% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



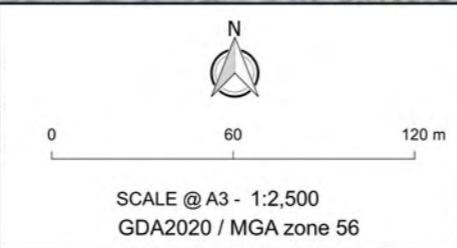
| R | DETAILS | DATE |
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Appendix D - 005

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Design Upgrade Scenario
2% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



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

| R | DETAILS | DATE |
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NOTES:

N

0 60 120 m

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

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Appendix D - 006

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Design Upgrade Scenario
1% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



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

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NOTES:

N

0 60 120 m

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

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Appendix D - 007

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Design Upgrade Scenario
1% Envelope Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



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

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NOTES:

N

0 50 100 m

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

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Appendix D - 008

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Design Upgrade Scenario
50% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



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

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NOTES:

N

0 50 100 m

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

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Appendix D - 009

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Design Upgrade Scenario
20% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03

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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

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NOTES:

N

0 50 100 m

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

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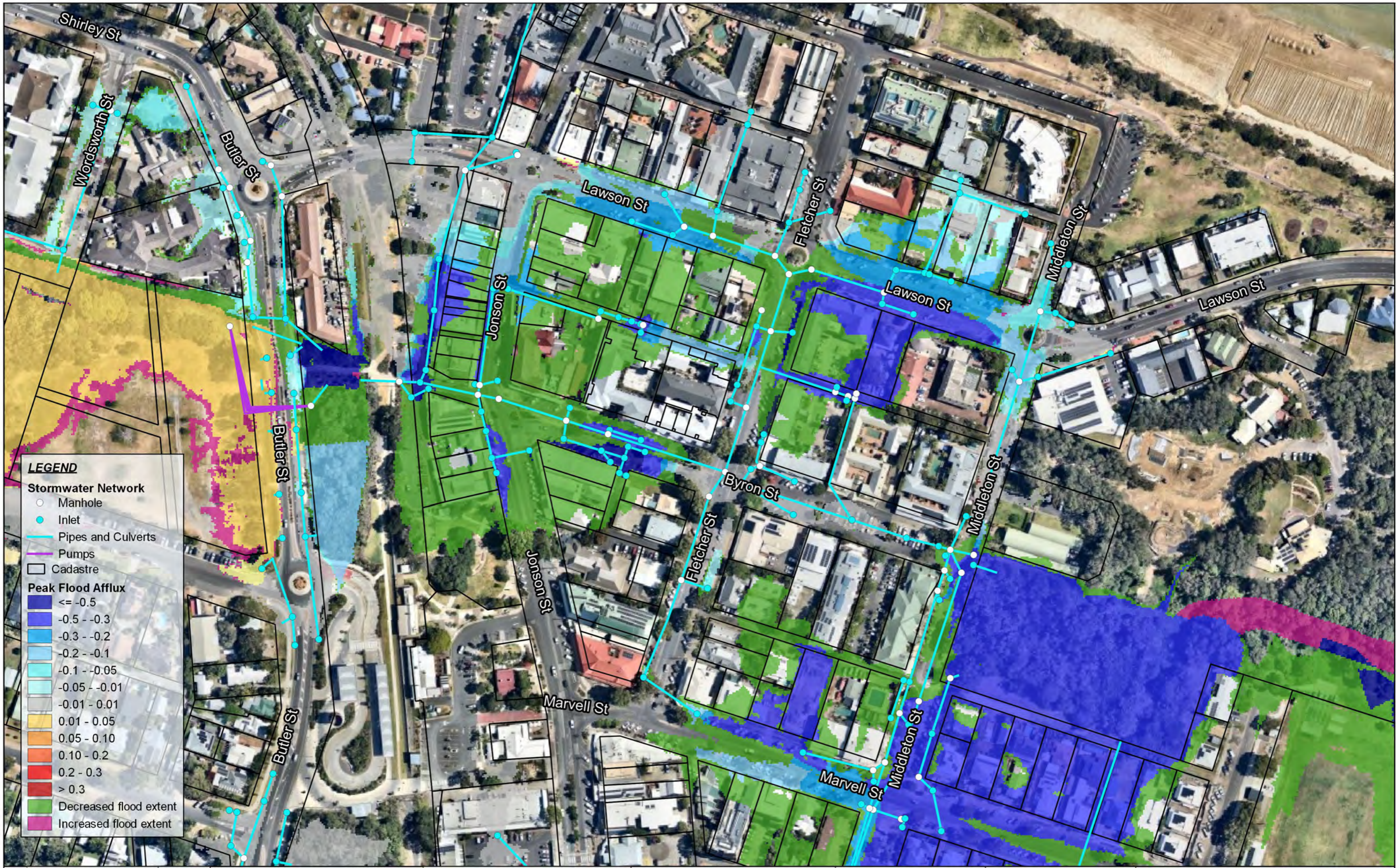


Appendix D - 010

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Design Upgrade Scenario
10% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



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 50 100 m

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

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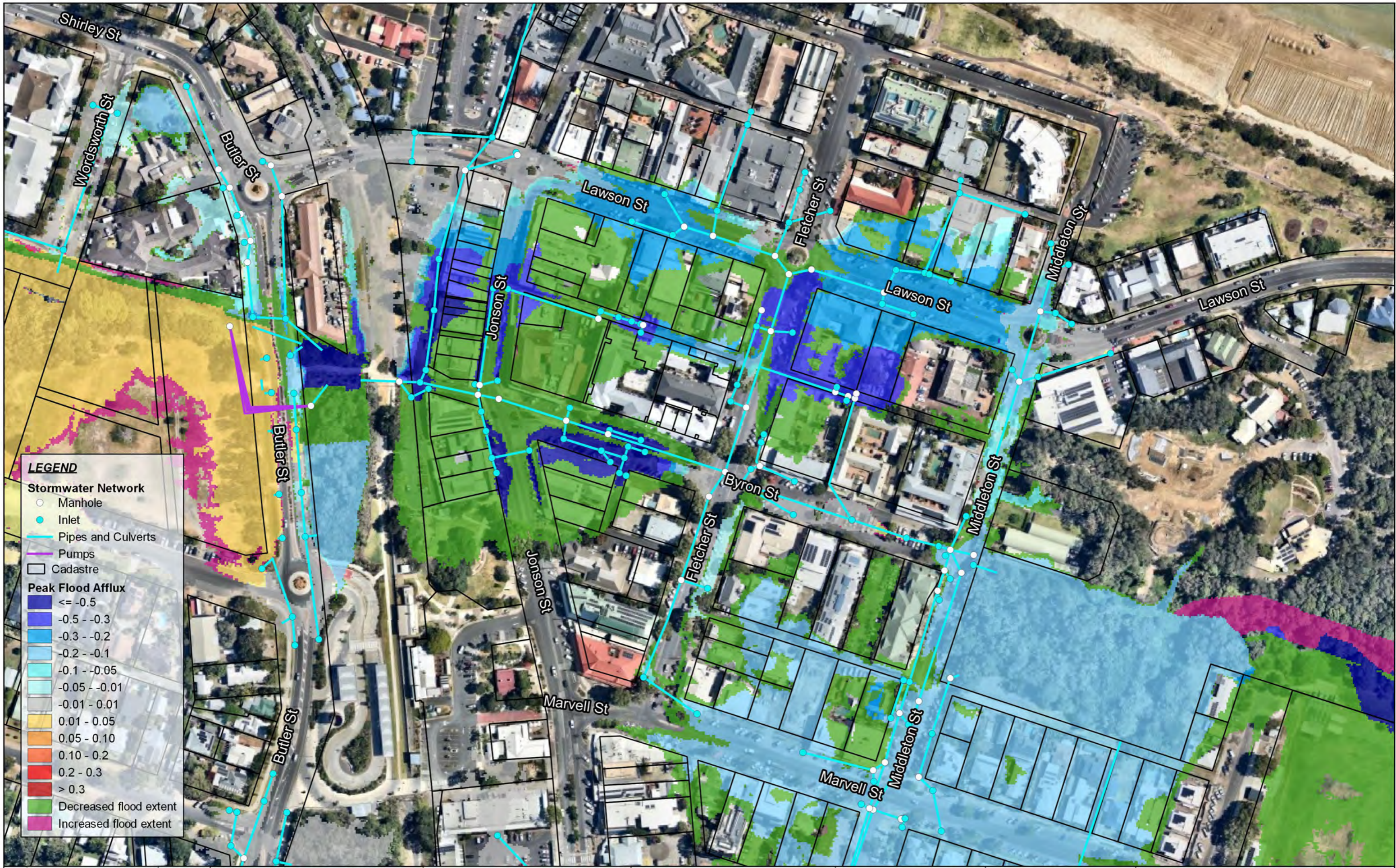
Appendix D - 011

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Design Upgrade Scenario
5% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03

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



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

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NOTES:

N

0 50 100 m

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

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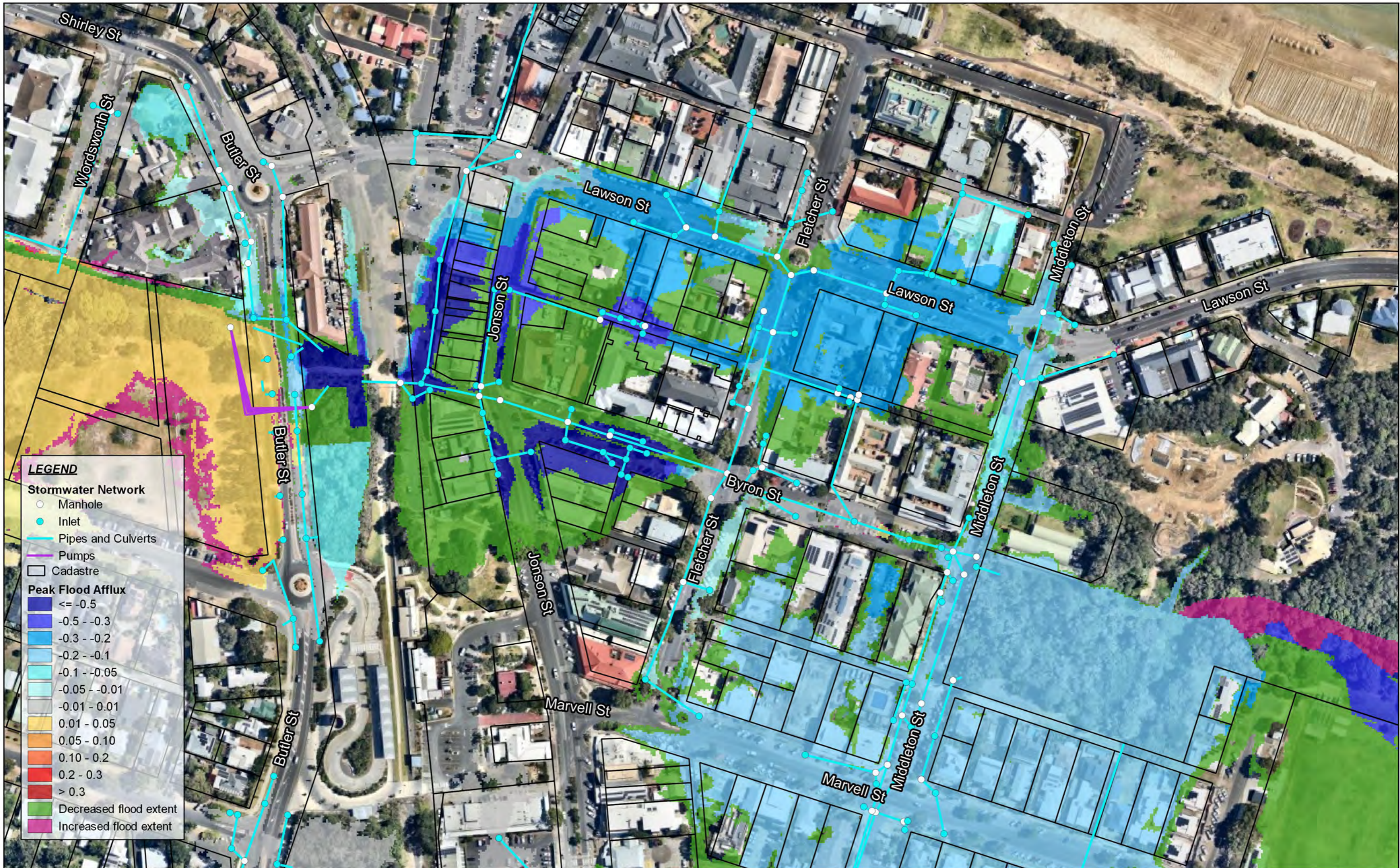


Appendix D - 012

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Design Upgrade Scenario
2% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



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 50 100 m

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

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Appendix D - 013

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Design Upgrade Scenario
1% AEP Flood Level Afflux

Doc Ref:
QC2003_002-SKE-03



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

| R | DETAILS | DATE |
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| | | | |
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NOTES:

N

0 50 100 m

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

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Appendix D - 014

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Design Upgrade Scenario
1% Envelope Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



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

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NOTES:

N

0 60 120 m

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

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Appendix D - 015

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Design Upgrade Scenario
50% AEP Flood Level Afflux

Doc Ref:
QC2003_002-SKE-03



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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DATA SOURCE
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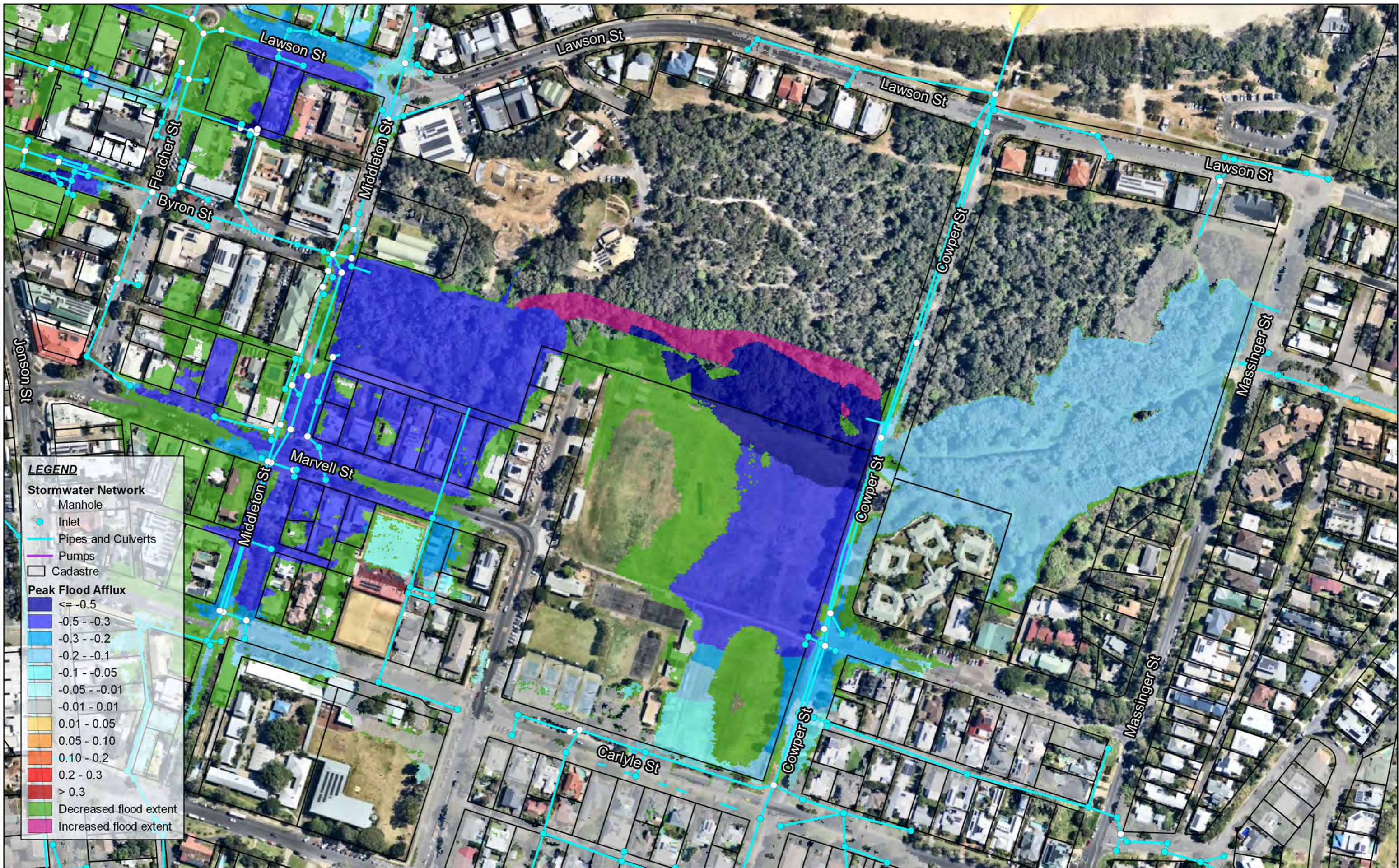
Appendix D - 016

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Design Upgrade Scenario
20% AEP Flood Level Afflux

QC2003_002-SKE-03

Q:\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: $-0.3 - -0.2$
- Lighter Blue: $-0.2 - -0.1$
- Very Light Blue: $-0.1 - -0.05$
- White: $-0.05 - -0.01$
- Light Yellow: $-0.01 - 0.01$
- 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

| 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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DATA SOURCE
QLD Government Open Data Source



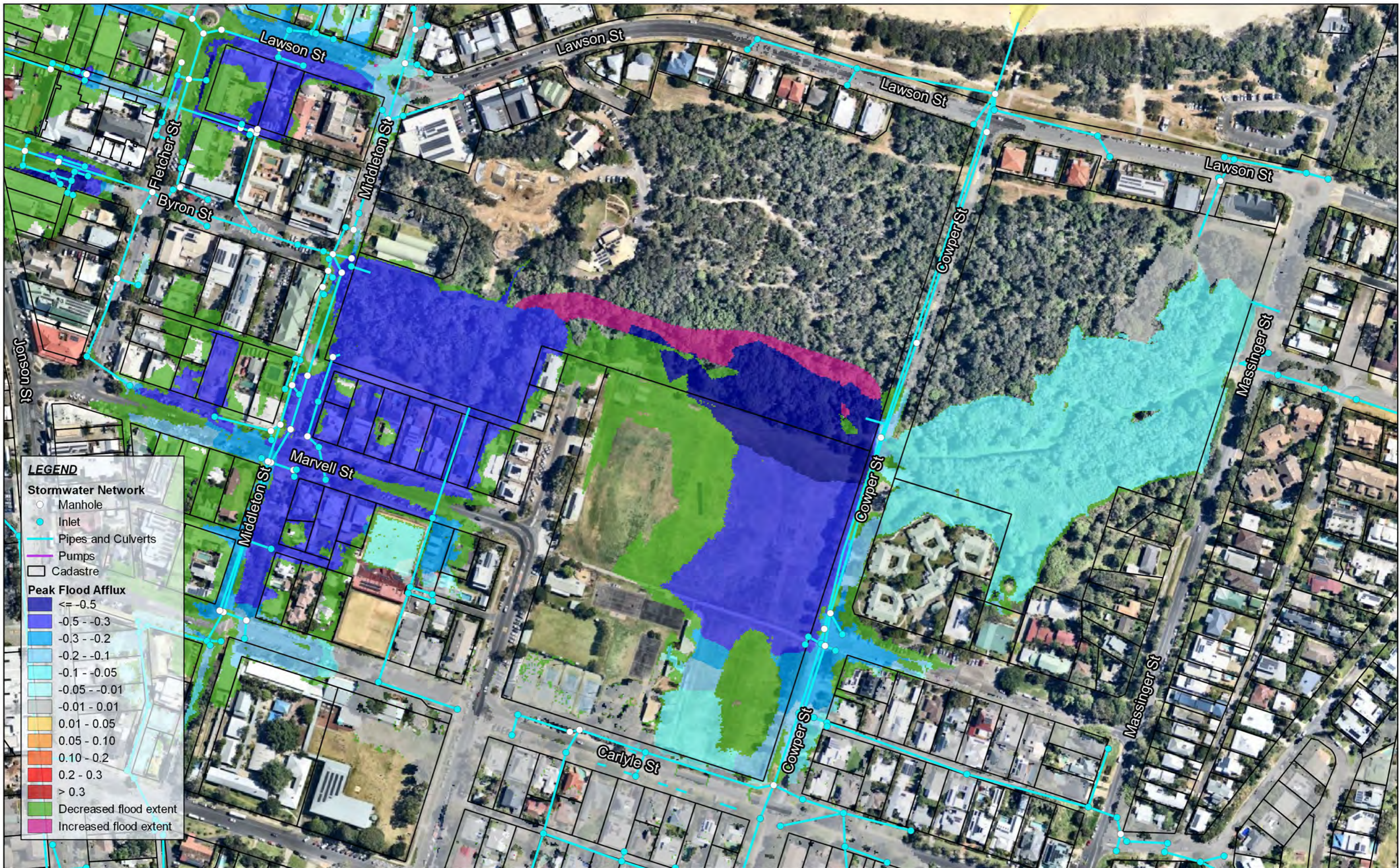
Appendix D - 017

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Design Upgrade Scenario
10% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03

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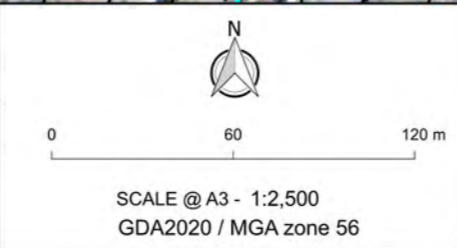
| R | DETAILS | DATE |
|---|----------------------|------------|
| 0 | Concept Design Issue | 26-09-2023 |
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| APPROVED | TR | DATE | 26-09-2023 |
|----------|----|------|------------|
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NOTES:



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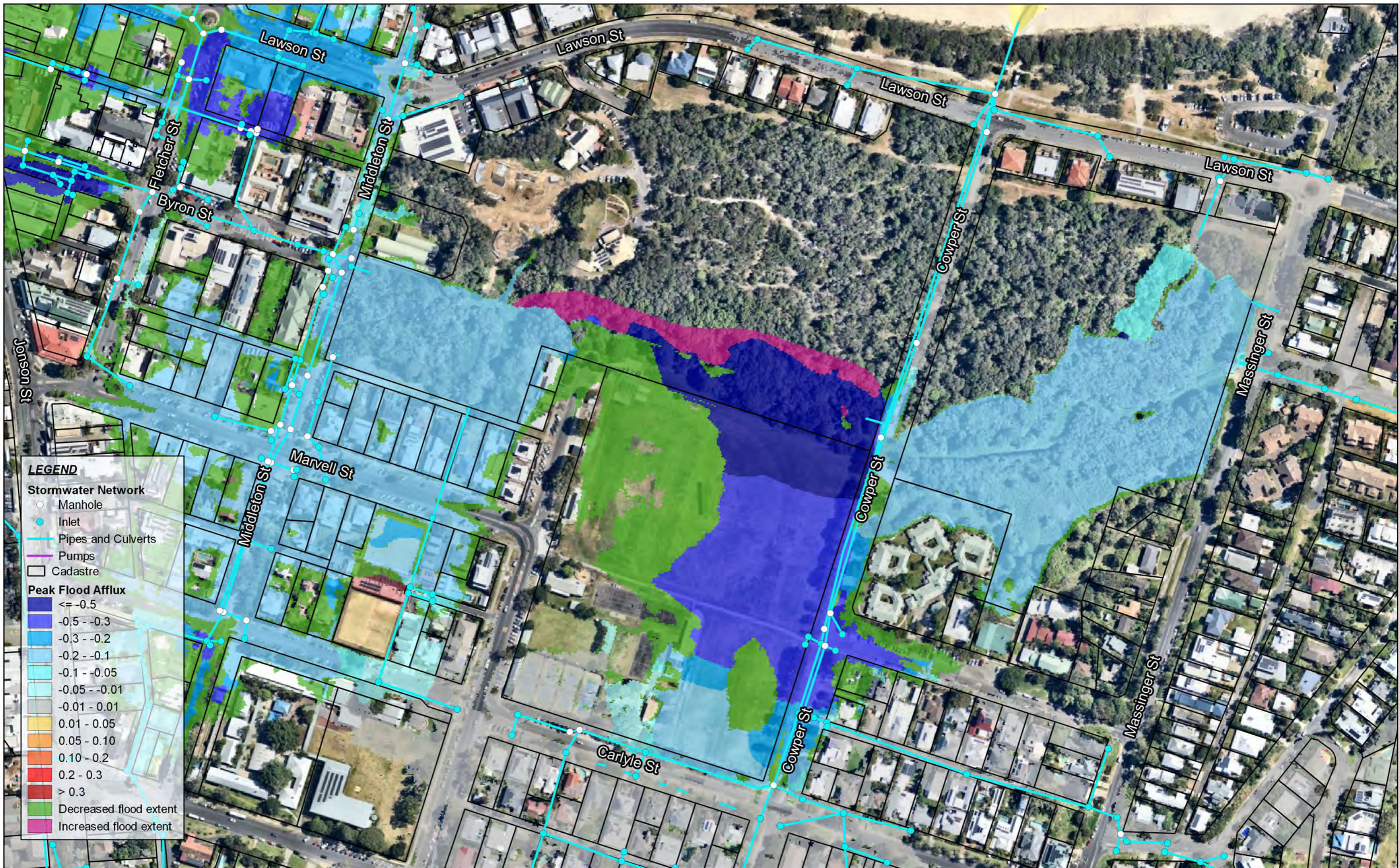


Appendix D - 018

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Design Upgrade Scenario
5% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03

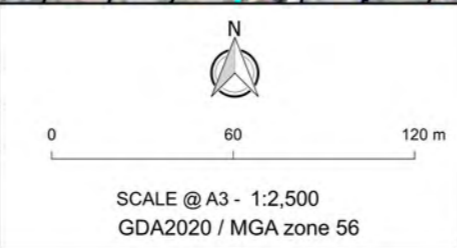


| R | DETAILS | DATE |
|---|----------------------|------------|
| 0 | Concept Design Issue | 26-09-2023 |
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| DRAWN | LN | CHECKED | JH |
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| APPROVED | TR | DATE | 26-09-2023 |
| | | | |

NOTES:



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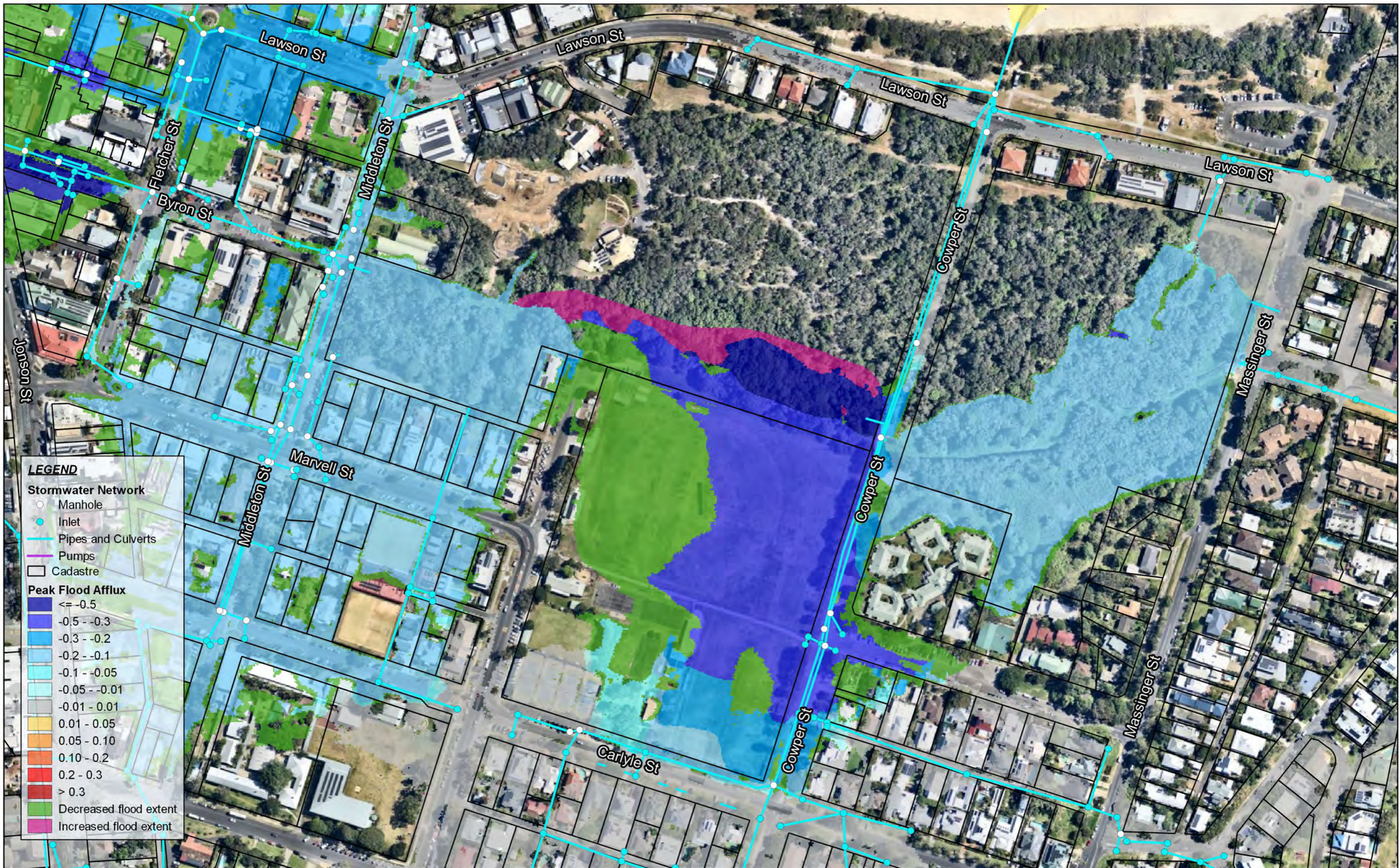
DATA SOURCE
QLD Government Open Data Source



Appendix D - 019
Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Design Upgrade Scenario
2% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



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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| | | | |

| 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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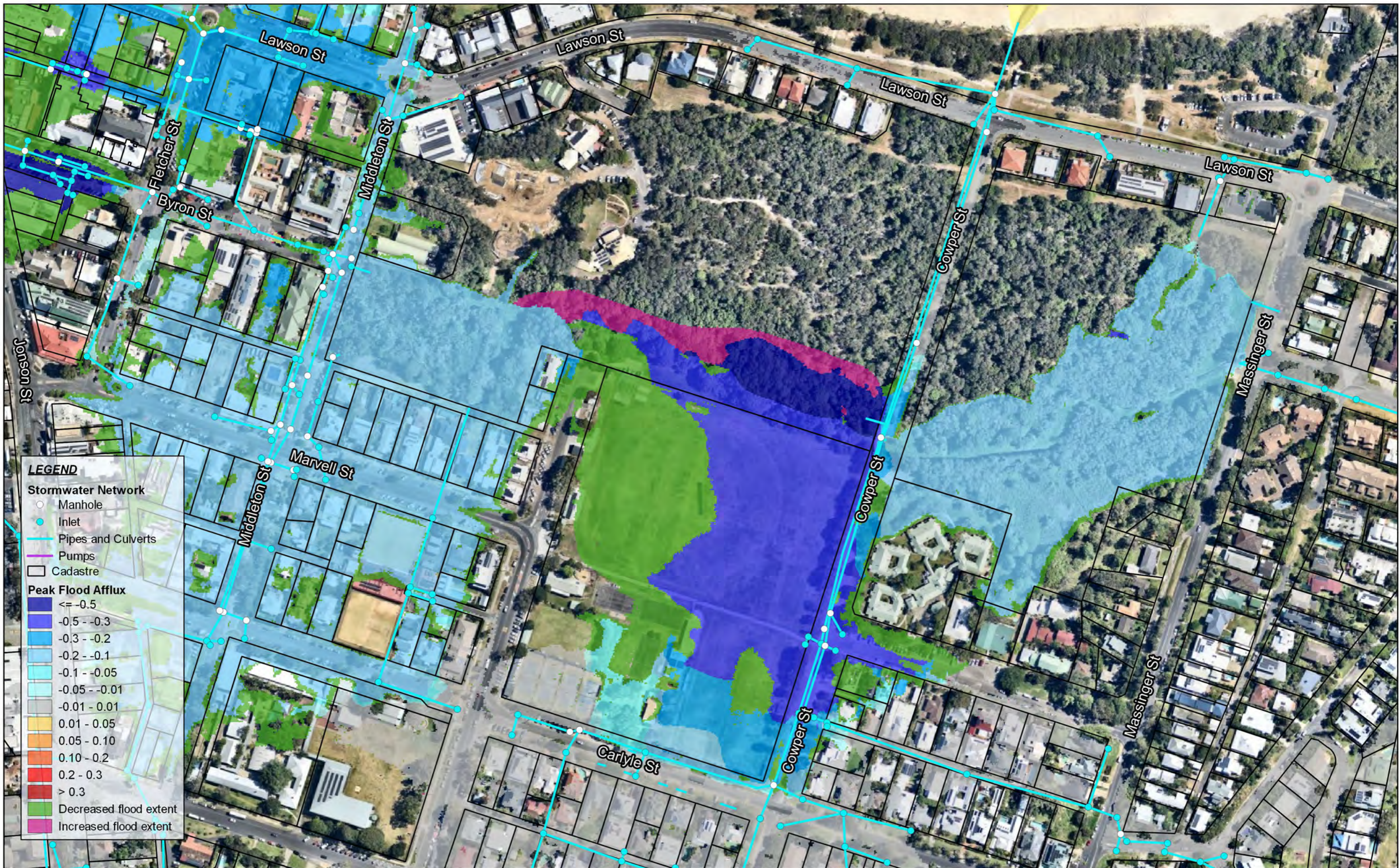


Appendix D - 020

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Design Upgrade Scenario
1% AEP Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03



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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| 0 | Concept Design Issue | 26-09-2023 |

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|----------|----|---------|------------|
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NOTES:

N

0 60 120 m

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

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Appendix D - 021

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Design Upgrade Scenario
1% Envelope Flood Level Afflux

Dwg Ref:
QC2003_002-SKE-03