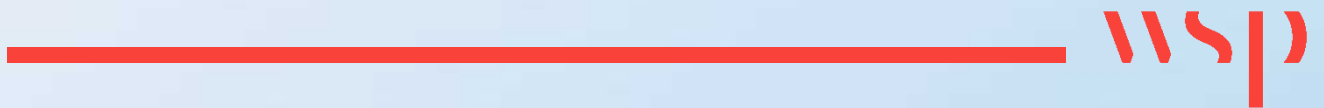
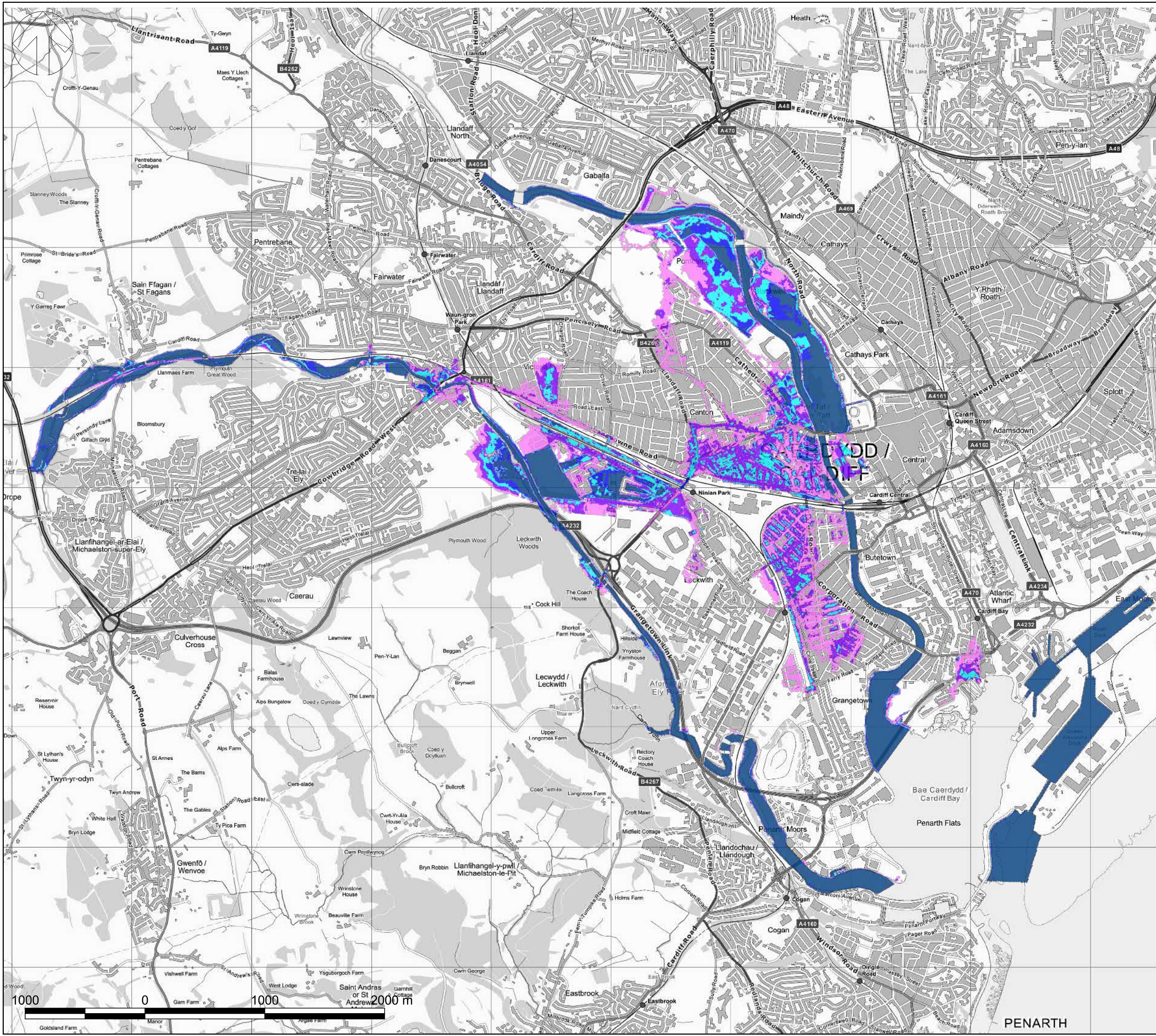


Appendix D

FLOOD MAPS





Key:

- Model Results:**
Maximum Depths (mm)
 Existing Defended Q100yr + CC Maximum Depth
- 0 to 300
 - 300 to 600
 - 600 to 900
 - 900 to 1,200
 - > 1,200

REV	DATE	BY	DESCRIPTION	CHK	APP
A.1	24/03/22	DRC	MODEL RESULTS UPDATED	RC	CJ
A	26/06/20	OPL	FIRST ISSUE	RC	AB

DRAWING STATUS:
 S2 - FOR INFORMATION



No 1 Capital Quarter, Tyndall Street, Cardiff, CF10 4BZ
 +44 (0)2920 769 200
 wsp.com

CLIENT:
 Phil Worthing

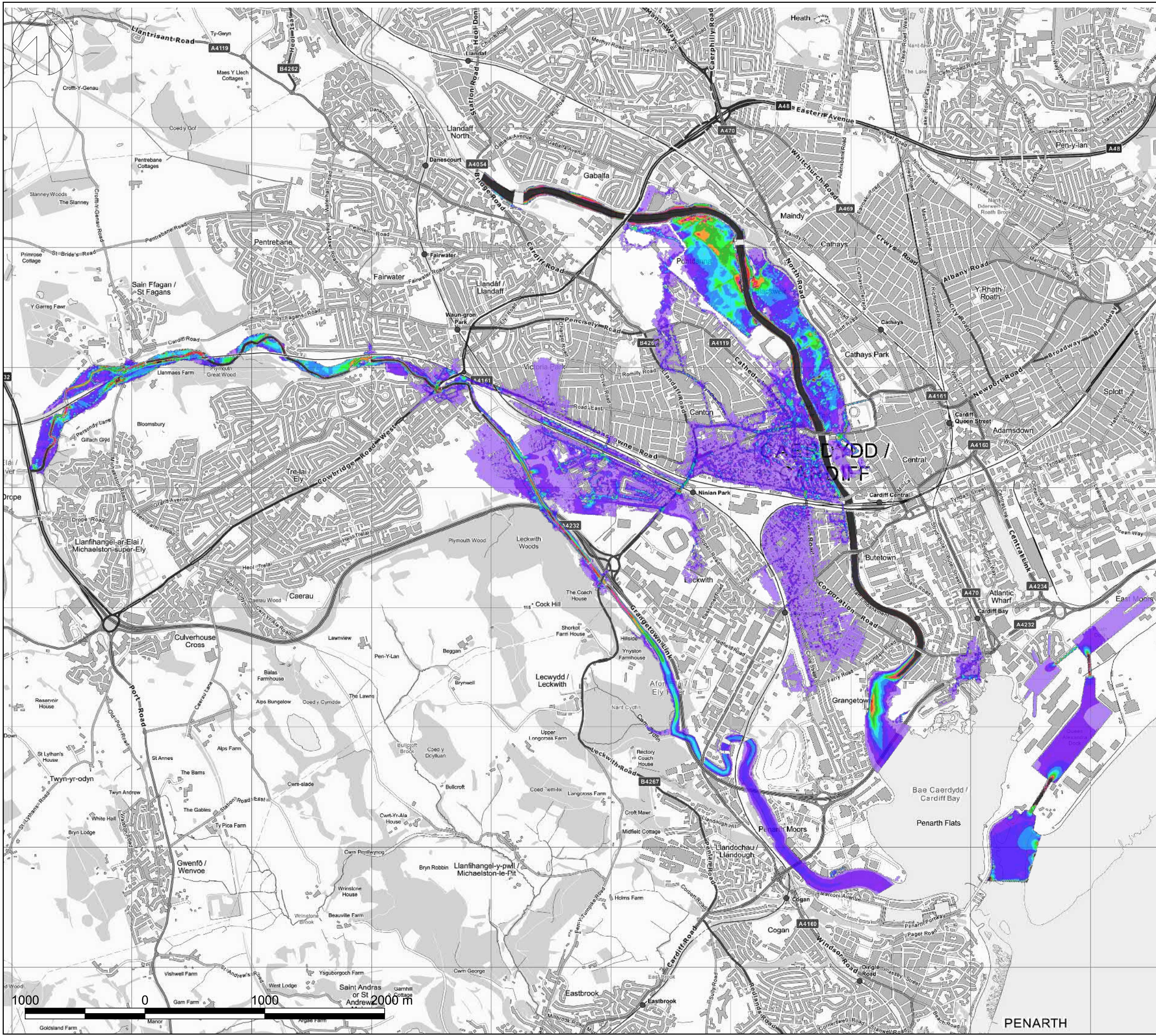
PROJECT:
 Leckwith Quay, Cardiff

TITLE:
 Existing Defended Clear
 1%CE MHWScc
 Maximum Depths

DRAWN: OPL	CHECKED: RC	APPROVED: AB
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: June 20

DRAWING No: 3561-WSP-DR-C-900 **REV:** A.1

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Key:

Model Results:

Flood Velocities

Existing Defended Q100yr + CC Maximum Velocities

- <= 0.15
- 0.15 - 0.3
- 0.3 - 0.45
- 0.45 - 0.6
- 0.6 - 0.75
- 0.75 - 0.9
- 0.9 - 1.05
- 1.05 - 1.2
- 1.2 - 1.35
- 1.35 - 1.5
- > 1.5

A.1	24/03/22	DRC	MODEL RESULTS UPDATED	RC	CJ
A	26/06/20	OPL	FIRST ISSUE	RC	AB
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: **S2 - FOR INFORMATION**



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 +44 (0)2920 769 200
 wsp.com

CLIENT: **Phil Worthing**

PROJECT: **Leckwith Quay, Cardiff**

TITLE: **Existing Defended Clear 1%CE MHWScc Maximum Velocities**

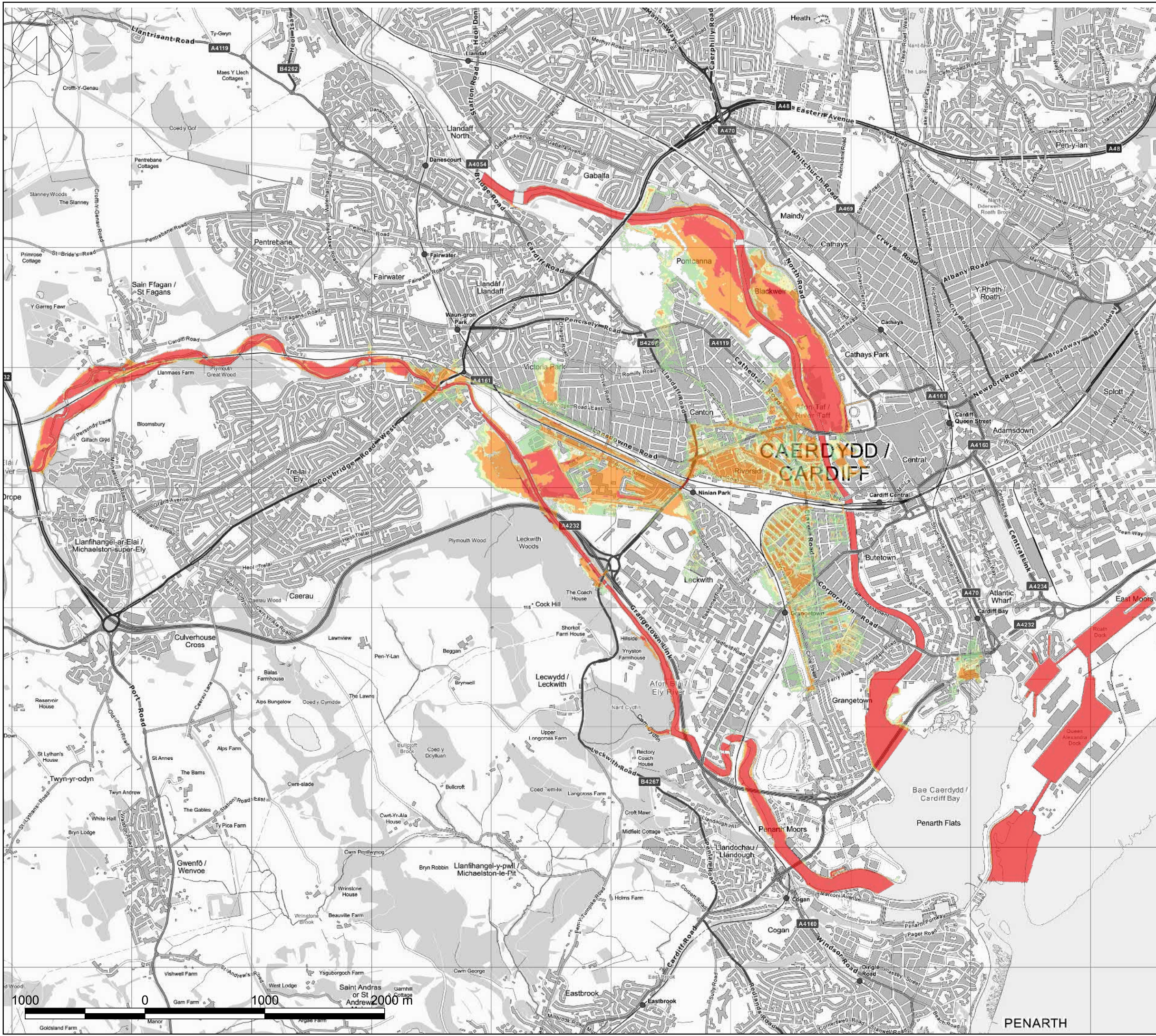
DRAWN: OPL	CHECKED: RC	APPROVED: AB
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: June 20

DRAWING No: **3561-WSP-DR-C-901** REV: **A.1**

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Key:

Model Results:

Flood Hazards

Existing Defended Q100yr + CC Maximum Hazards

- Low
- Moderate
- Significant
- Extreme

A.1	24/03/22	DRC	MODEL RESULTS UPDATED	RC	CJ
A	26/06/20	OPL	FIRST ISSUE	RC	AB
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:
S2 - FOR INFORMATION

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CLIENT:
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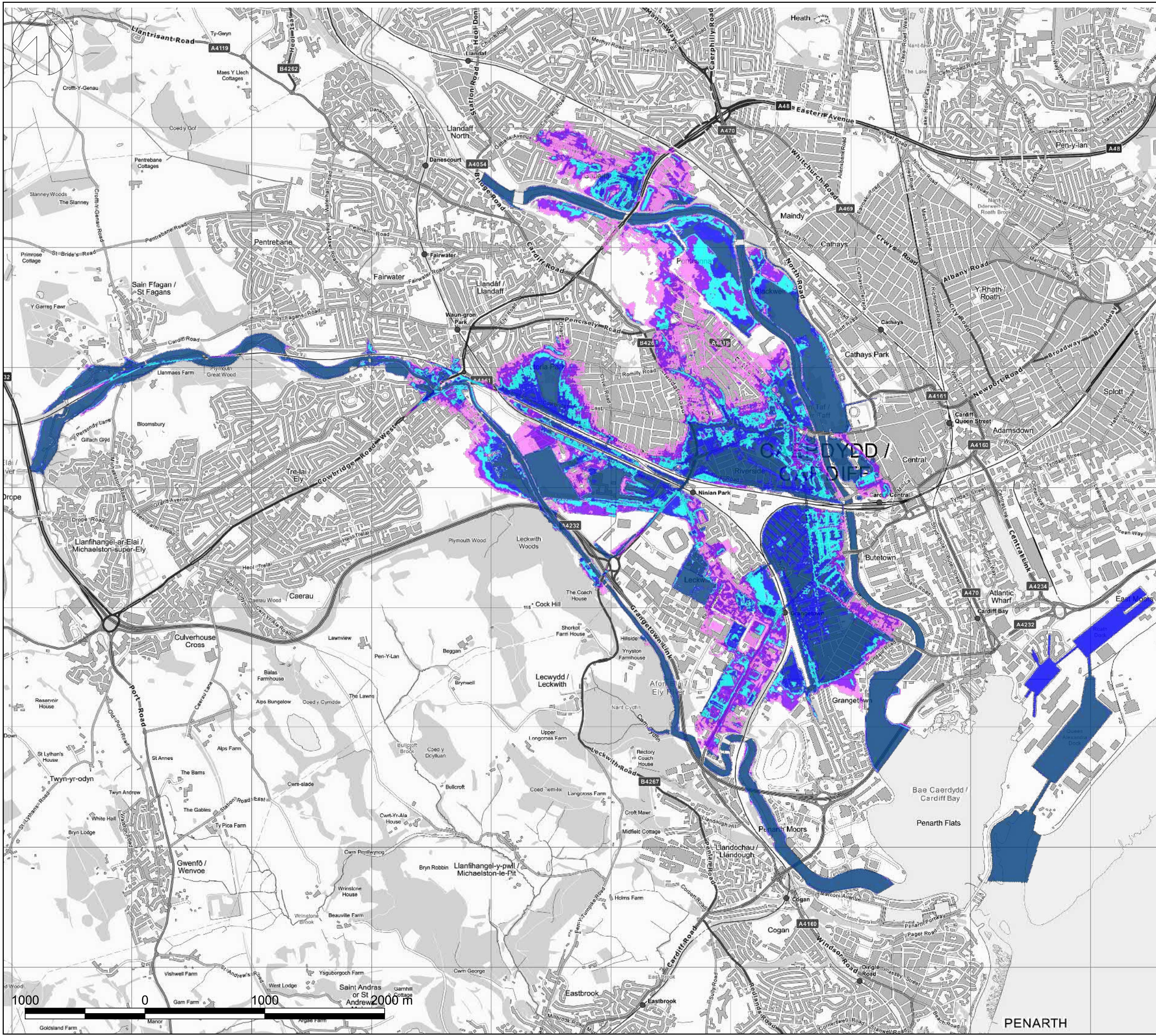
PROJECT:
Leckwith Quay, Cardiff

TITLE:
**Existing Defended Clear
1%CE MHWScc
Maximum Hazards**

DRAWN: OPL	CHECKED: RC	APPROVED: AB
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: June 20

DRAWING No: **3561-WSP-DR-C-902** REV: **A.1**

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Key:

- Model Results:**
Maximum Depths (mm)
 Existing Defended Q1000yr Maximum Depths
- 0 to 300
 - 300 to 600
 - 600 to 900
 - 900 to 1,200
 - > 1,200

REV	DATE	BY	DESCRIPTION	CHK	APP
A.1	24/03/22	DRC	MODEL RESULTS UPDATED	RC	CJ
A	26/06/20	OPL	FIRST ISSUE	RC	AB

DRAWING STATUS:
 S2 - FOR INFORMATION



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CLIENT:
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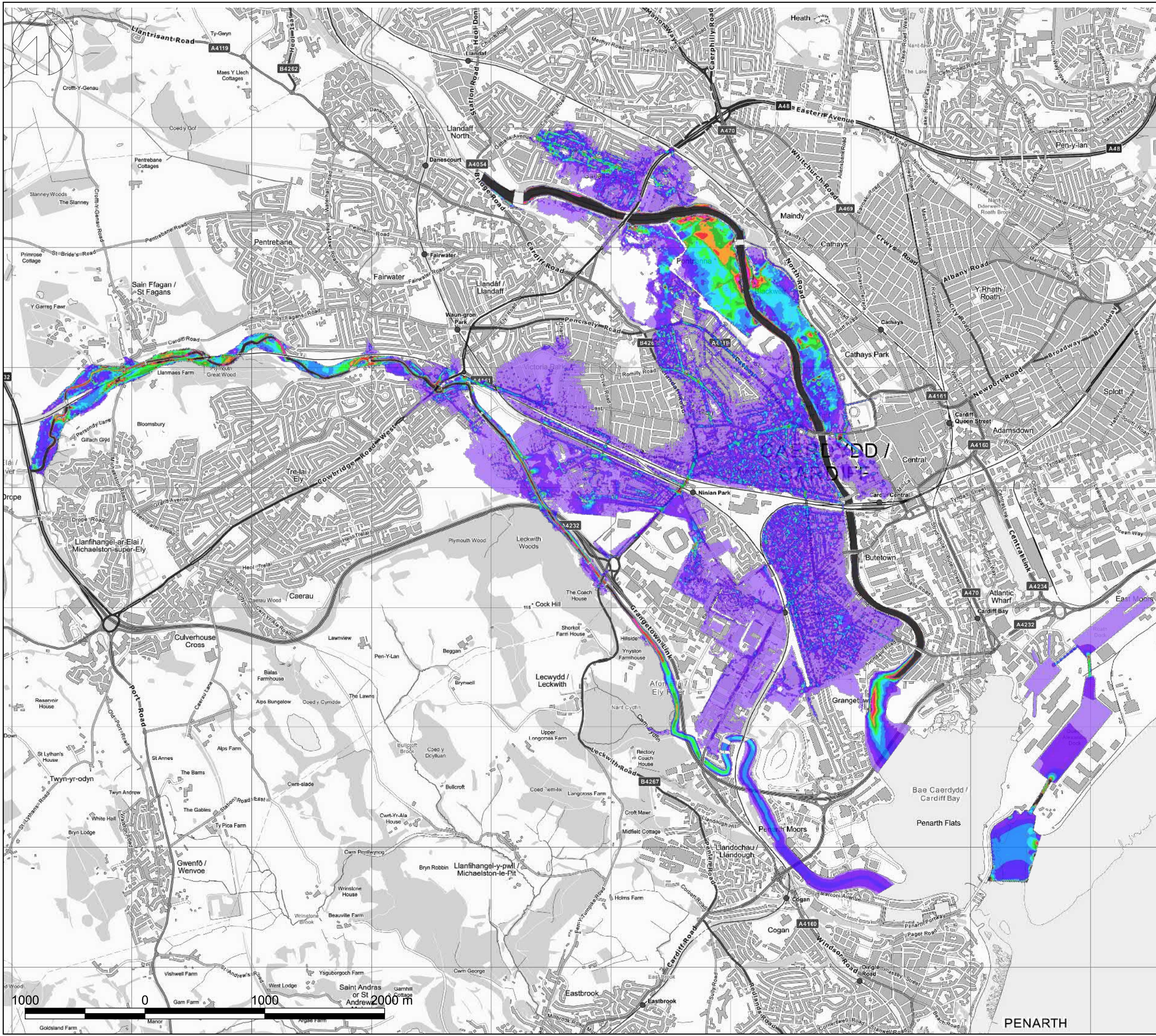
PROJECT:
 Leckwith Quay, Cardiff

TITLE:
 Existing Defended Clear
 0.1% MHSW
 Maximum Depths

DRAWN: OPL	CHECKED: RC	APPROVED: AB
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: June 20

DRAWING No: 3561-WSP-DR-C-903 **REV:** A.1

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Key:

Model Results:

Flood Velocities

Existing Defended Q1000yr Maximum Velocities

- <= 0.15
- 0.15 - 0.3
- 0.3 - 0.45
- 0.45 - 0.6
- 0.6 - 0.75
- 0.75 - 0.9
- 0.9 - 1.05
- 1.05 - 1.2
- 1.2 - 1.35
- 1.35 - 1.5
- > 1.5

A.1	24/03/22	DRC	MODEL RESULTS UPDATED	RC	CJ
A	26/06/20	OPL	FIRST ISSUE	RC	AB
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:
S2 - FOR INFORMATION



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wsp.com

CLIENT:
Phil Worthing

PROJECT:
Leckwith Quay, Cardiff

TITLE:
**Existing Defended Clear
0.1%CE MHSW
Maximum Velocities**

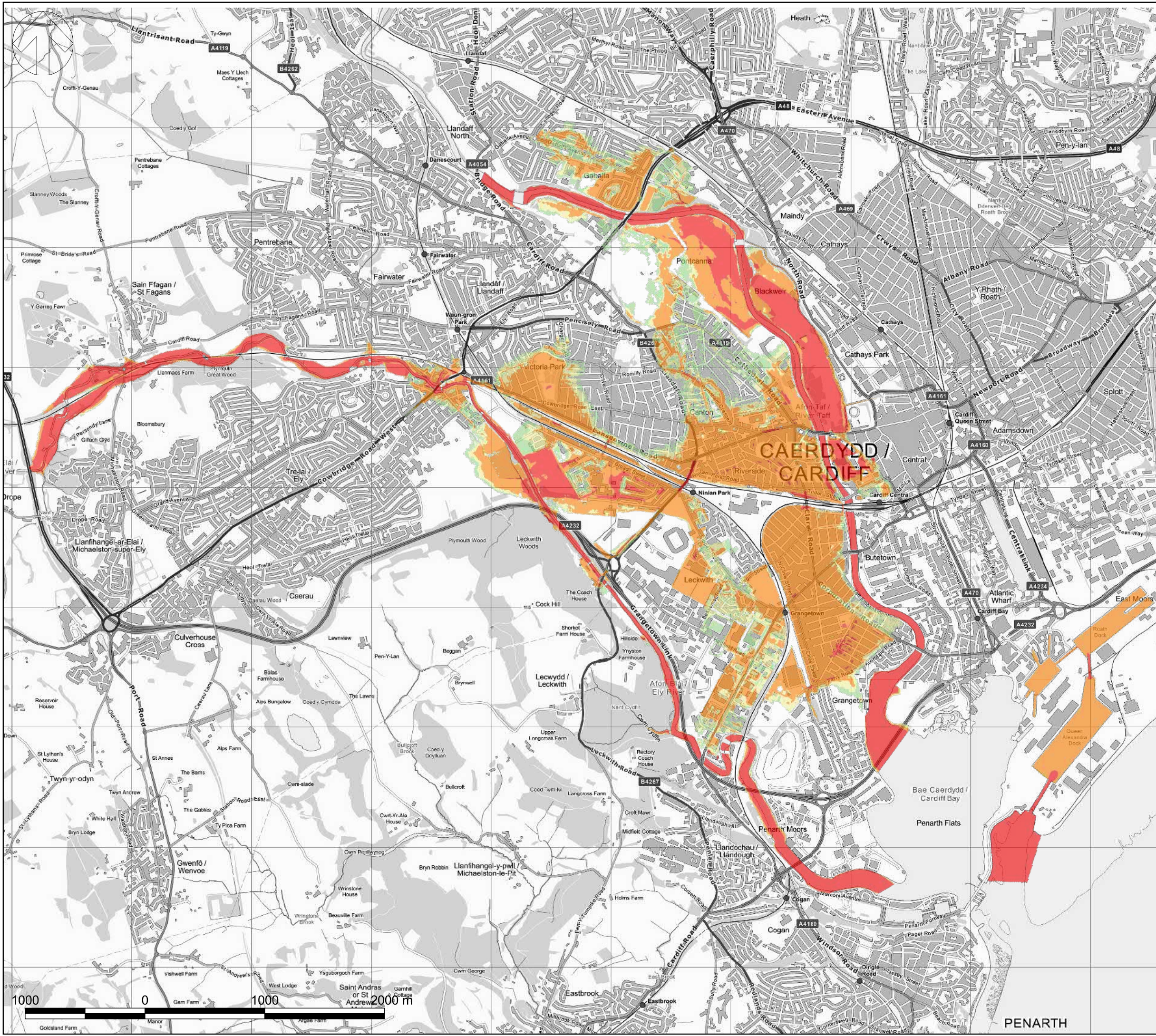
DRAWN: OPL	CHECKED: RC	APPROVED: AB
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: June 20

DRAWING No: **3561-WSP-DR-C-904** REV: **A.1**

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Key:

- Model Results:**
- Flood Hazards**
- Existing Defended Q1000yr Maximum Hazards
 - Low
 - Moderate
 - Significant
 - Extreme

A.1	24/03/22	DRC	MODEL RESULTS UPDATED	RC	CJ
A	26/06/20	OPL	FIRST ISSUE	RC	AB
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:
S2 - FOR INFORMATION



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CLIENT:
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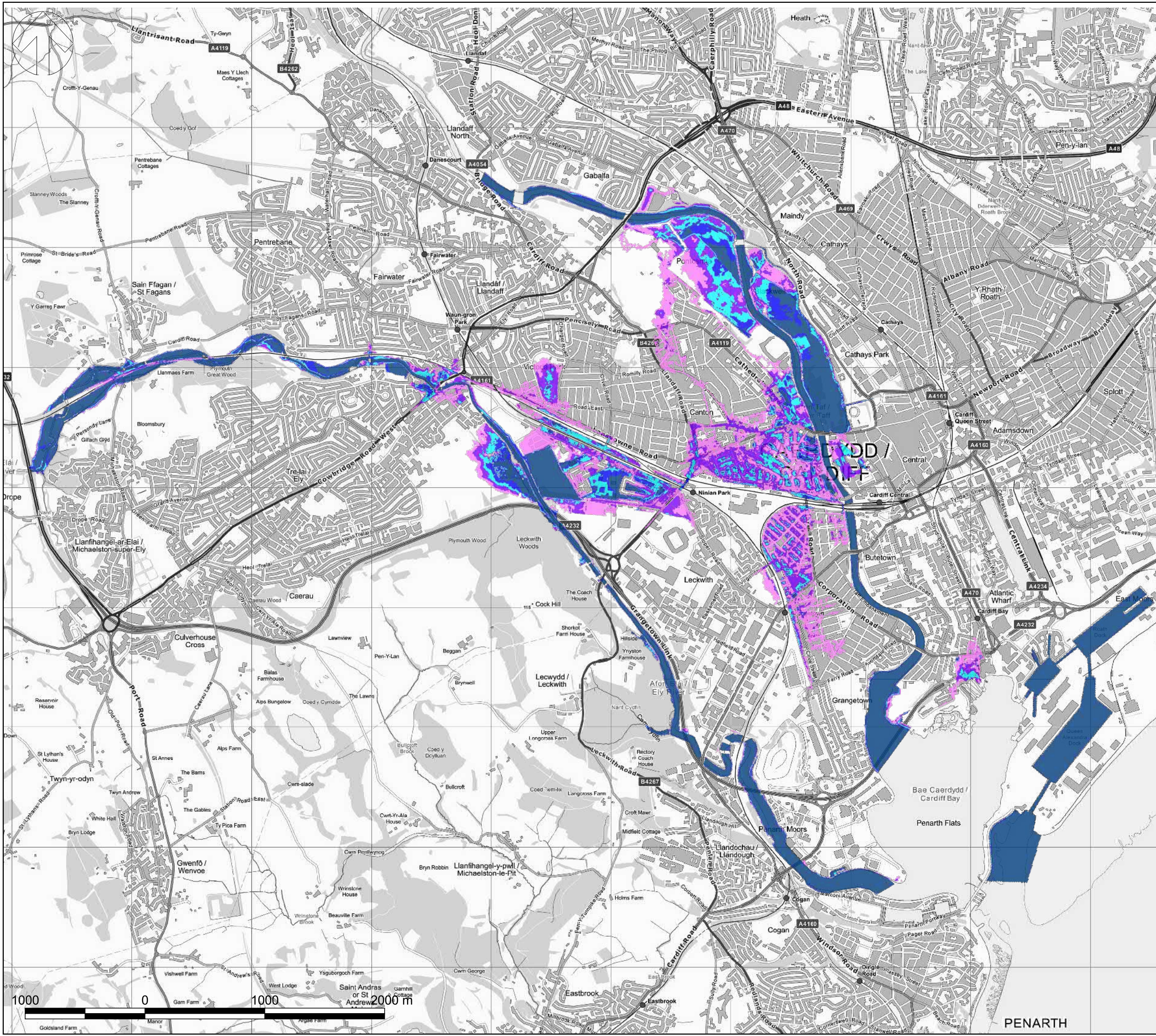
PROJECT:
Leckwith Quay, Cardiff

TITLE:
Existing Defended Clear
0.1% MHS
Maximum Hazards

DRAWN: OPL	CHECKED: RC	APPROVED: AB
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: June 20

DRAWING No: 3561-WSP-DR-C-905
REV: A.1

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Key:

Model Results:

Maximum Depths (mm)

Variation Defended Q100Yr + CC Maximum Depths

- 0 to 300
- 300 to 600
- 600 to 900
- 900 to 1,200
- > 1,200

A	24/03/22	DRC	FIRST ISSUE	RC	CJ
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S2 - FOR INFORMATION



No 1 Capital Quarter, Tyndall Street, Cardiff, CF10 4BZ
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 wsp.com

CLIENT: Phil Worthing

PROJECT: Leckwith Quay, Cardiff

TITLE: VariationD Defended Clear 1%CE MHWScc Maximum Depths

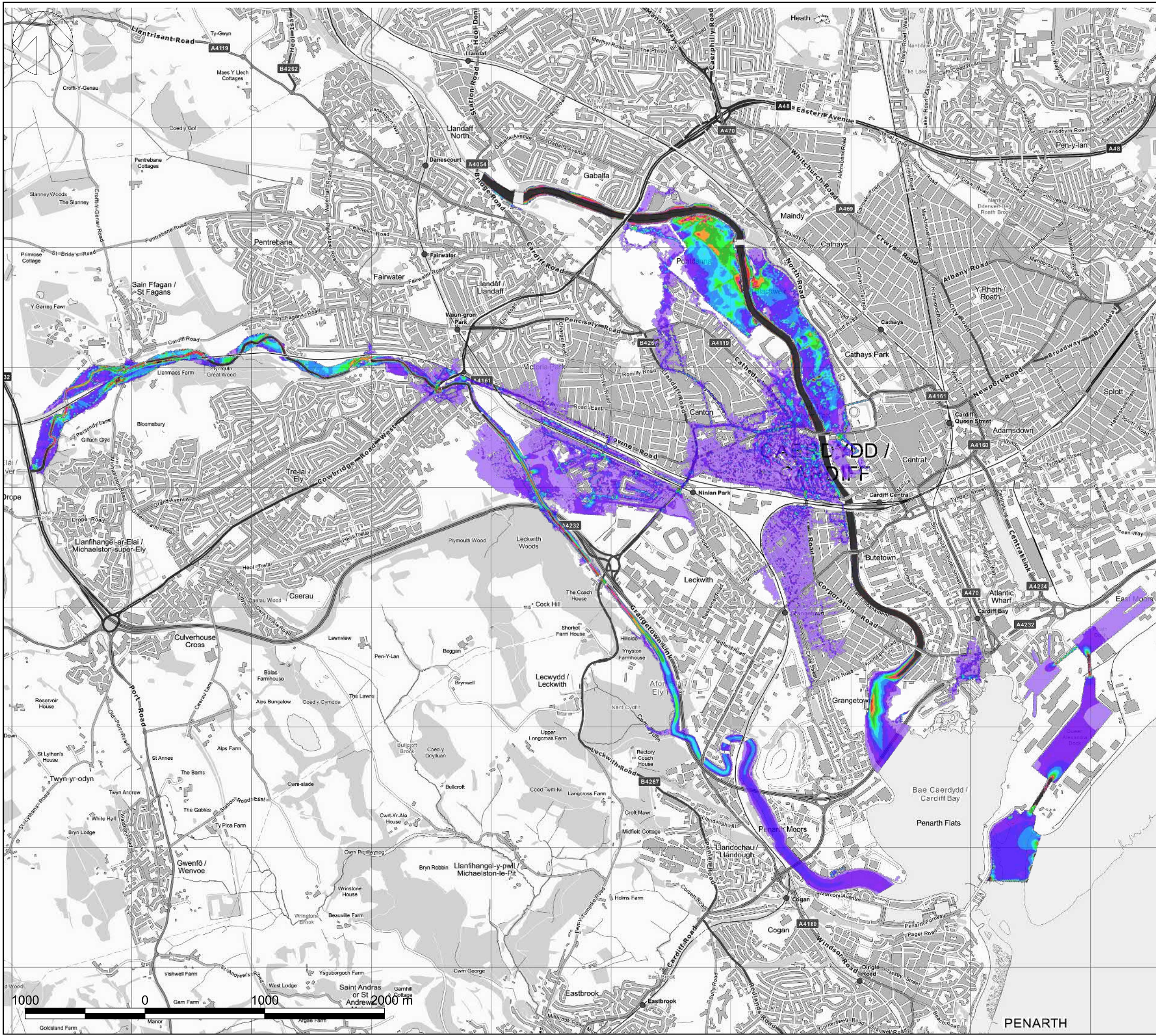
DRAWN: DRC	CHECKED: RC	APPROVED: CJ
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: March 22

DRAWING No: 3561-WSP-DR-C-914 REV: A

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Key:

Model Results:

Flood Velocities

Variation Defended Q100Yr + CC Maximum Velocities

- <= 0.15
- 0.15 - 0.3
- 0.3 - 0.45
- 0.45 - 0.6
- 0.6 - 0.75
- 0.75 - 0.9
- 0.9 - 1.05
- 1.05 - 1.2
- 1.2 - 1.35
- 1.35 - 1.5
- > 1.5

A	24/03/22	DRC	FIRST ISSUE	RC	CJ
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:
S2 - FOR INFORMATION



No 1 Capital Quarter, Tyndall Street, Cardiff, CF10 4BZ
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CLIENT:
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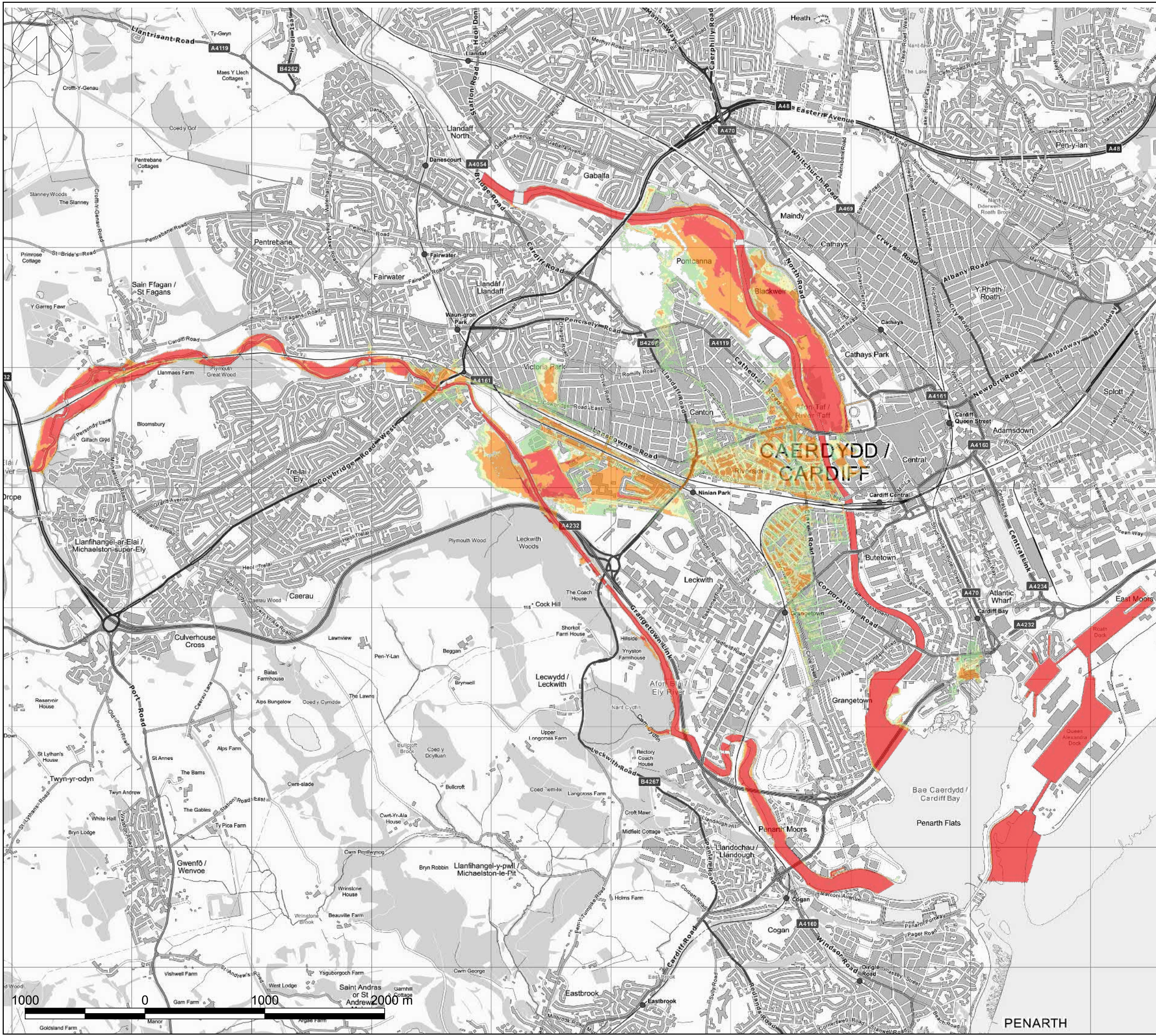
PROJECT:
Leckwith Quay, Cardiff

TITLE:
VariationD Defended Clear
1%CE MHWScc
Maximum Velocities

DRAWN: DRC	CHECKED: RC	APPROVED: CJ
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: March 22

DRAWING No: 3561-WSP-DR-C-915	REV: A
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Key:

Model Results:

Flood Hazards

Variation Defended Q100Yr + CC Maximum Hazards

- Low
- Moderate
- Significant
- Extreme

A	24/03/22	DRC	FIRST ISSUE	RC	CJ
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:
S2 - FOR INFORMATION



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CLIENT:
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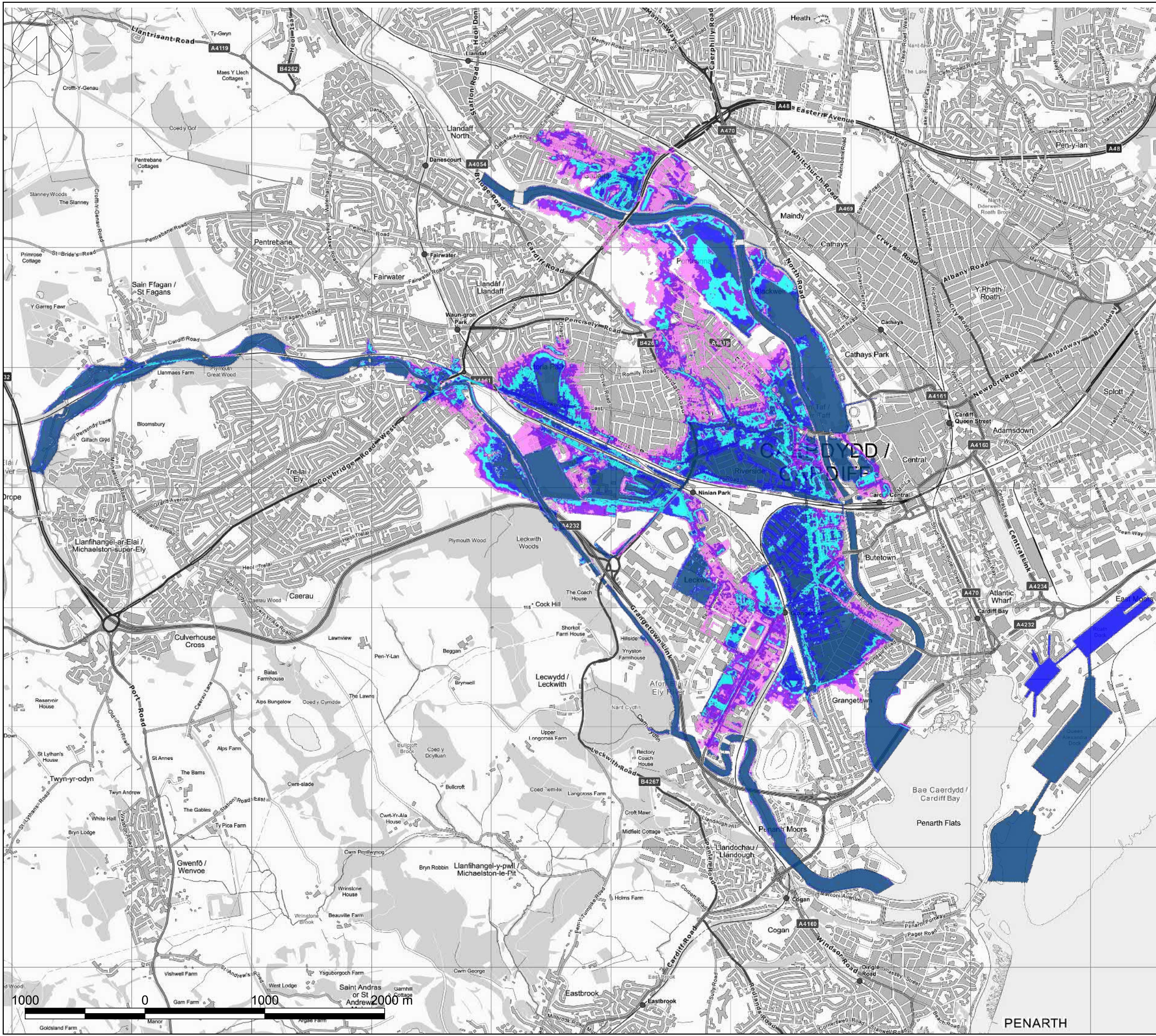
PROJECT:
Leckwith Quay, Cardiff

TITLE:
**VariationD Defended Clear
1%CE MHWScc
Maximum Hazards**

DRAWN: DRC	CHECKED: RC	APPROVED: CJ
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: March 22

DRAWING No: 3561-WSP-DR-C-916	REV: A
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Key:

Model Results:

Maximum Depths (mm)

VariationD Defended Q1000yr Maximum Depths

- 0 to 300
- 300 to 600
- 600 to 900
- 900 to 1,200
- > 1,200

A	24/03/22	DRC	FIRST ISSUE	RC	CJ
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S2 - FOR INFORMATION



No 1 Capital Quarter, Tyndall Street, Cardiff, CF10 4BZ
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CLIENT: Phil Worthing

PROJECT: Leckwith Quay, Cardiff

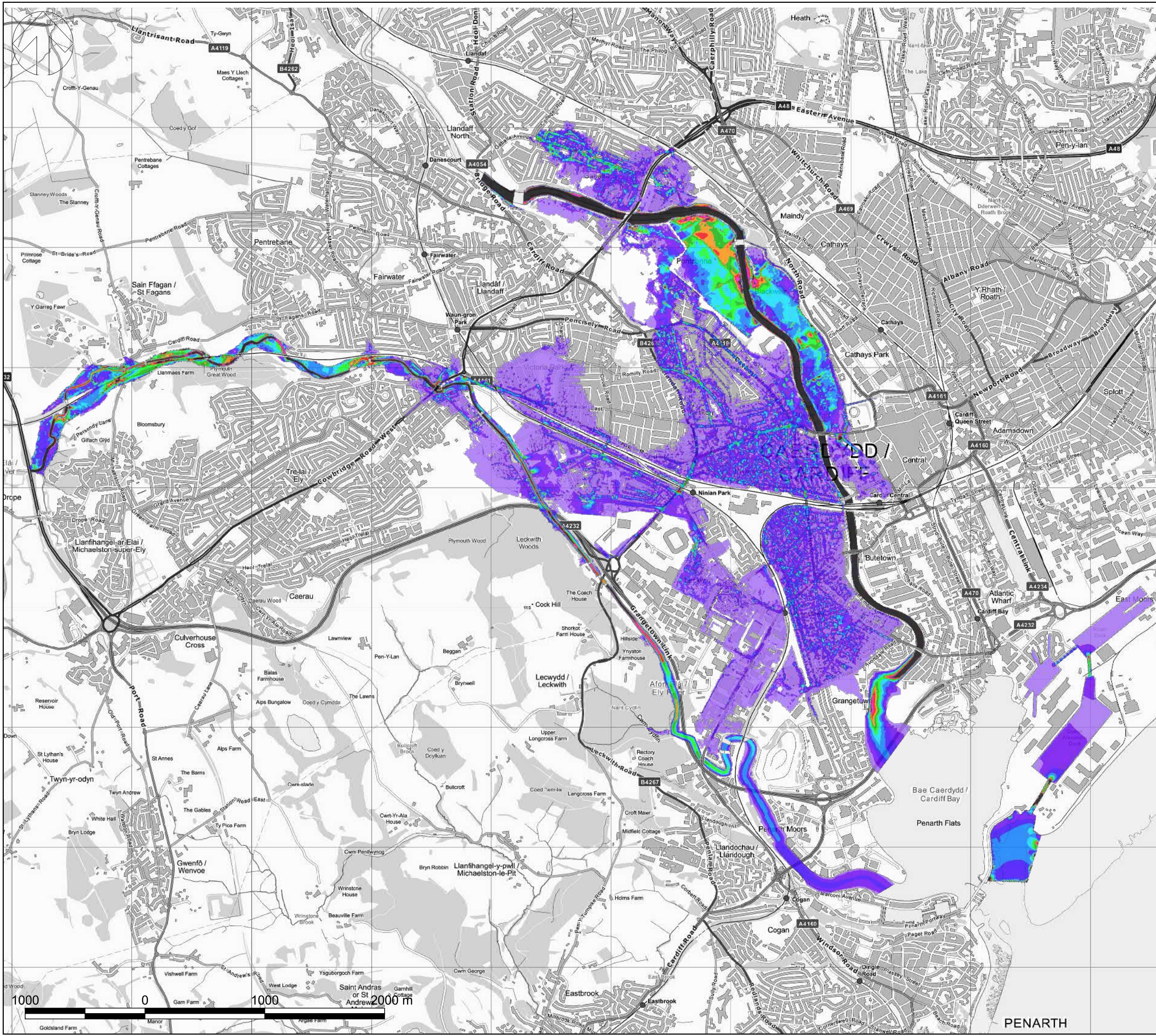
TITLE: VariationD Defended Clear 0.1% MHSW Maximum Depths

DRAWN: DRC	CHECKED: RC	APPROVED: CJ
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: March 22

DRAWING No: 3561-WSP-DR-C-917 REV: A

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Key:

Model Results:

Flood Velocities

VariationD Defended Q1000yr Maximum Velocities

- <= 0.15
- 0.15 - 0.3
- 0.3 - 0.45
- 0.45 - 0.6
- 0.6 - 0.75
- 0.75 - 0.9
- 0.9 - 1.05
- 1.05 - 1.2
- 1.2 - 1.35
- 1.35 - 1.5
- > 1.5

A	28/03/22	DRC	FIRST ISSUE	RC	CJ
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:
S2 - FOR INFORMATION

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CLIENT:
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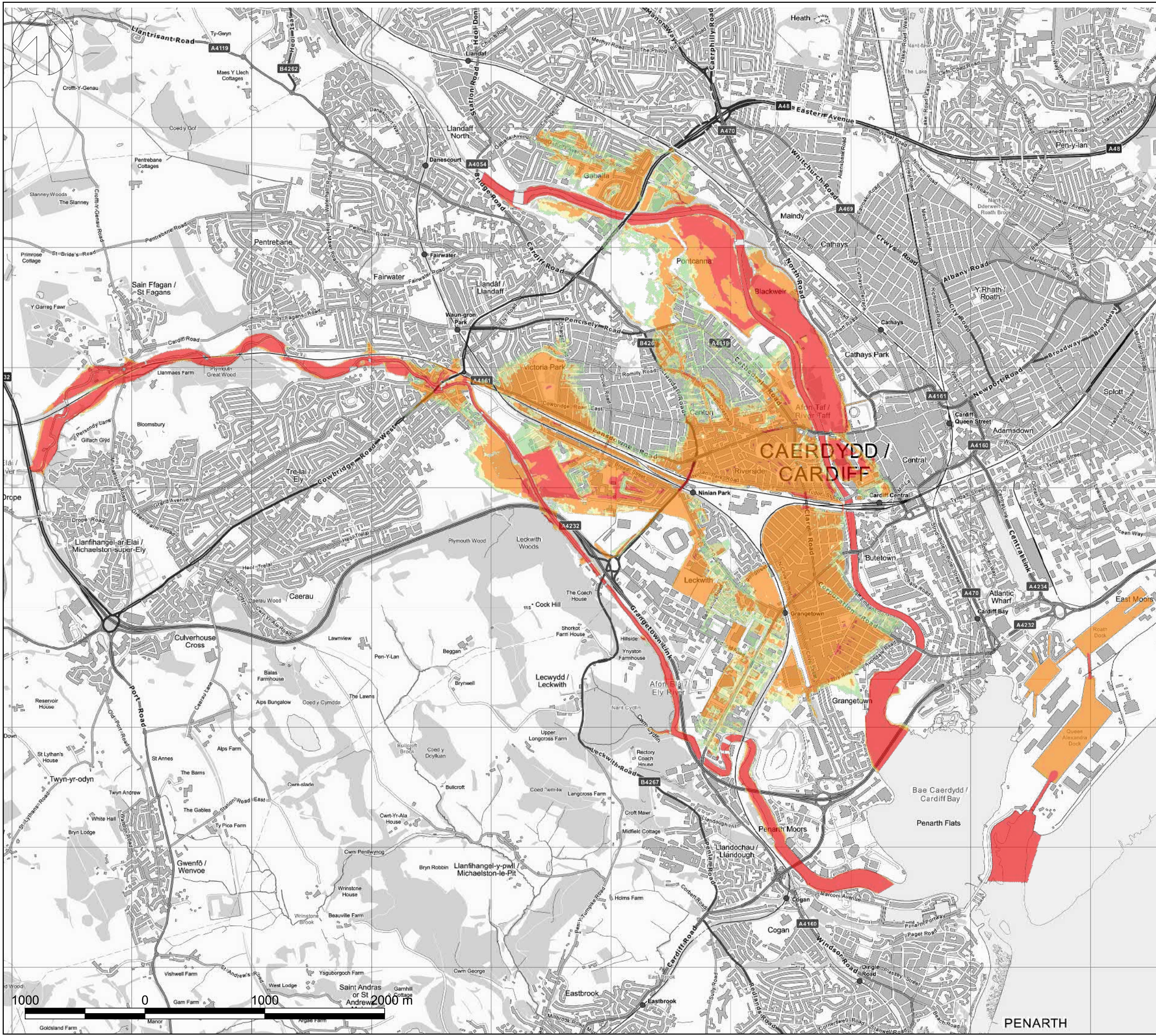
PROJECT:
Leckwith Quay, Cardiff

TITLE:
**VariationD Defended Clear
0.1% MHS
Maximum Velocities**

DRAWN: DRC	CHECKED: RC	APPROVED: CJ
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: March 22

DRAWING No: **3561-WSP-DR-C-918** REV: **A**

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Key:

Model Results:

Flood Hazards

VariationD Defended Q1000yr Maximum Hazards

- Low
- Moderate
- Significant
- Extreme

A	28/03/22	DRC	FIRST ISSUE	RC	CJ
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:
S2 - FOR INFORMATION



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CLIENT:
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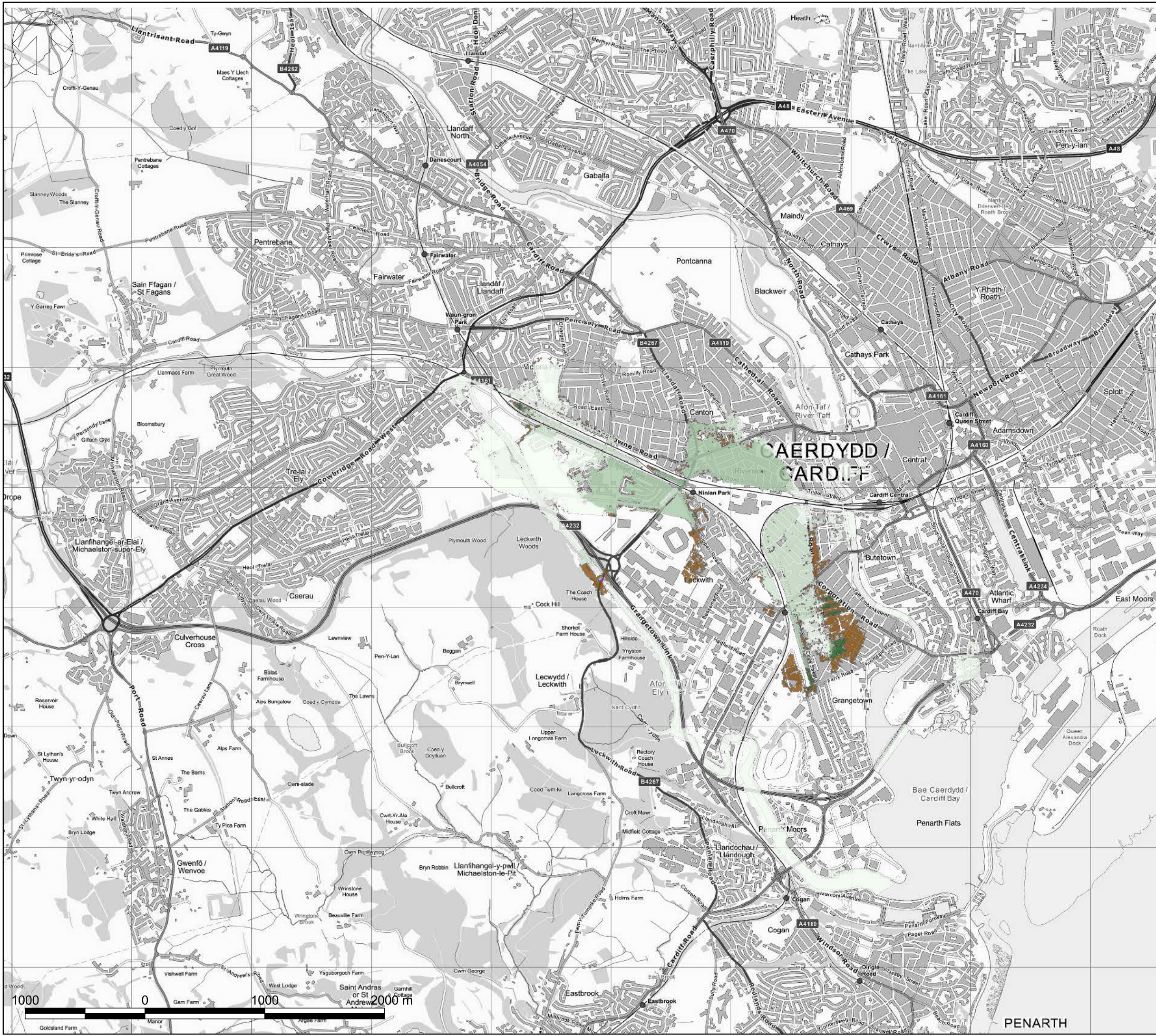
PROJECT:
Leckwith Quay, Cardiff

TITLE:
**VariationD Defended Clear
0.1% MHS
Maximum Hazards**

DRAWN: DRC	CHECKED: RC	APPROVED: CJ
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: March 22

DRAWING No: **3561-WSP-DR-C-919** REV: **A**

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Key:
Model Results:
Flood Depth Comparison (m)
Variation Defended Q100Yr + CC Maximum Depth Comparison

- Was Wet Now Dry
- No Change
- Was Dry Now Wet
- <= -0.3
- 0.3 - -0.25
- 0.25 - -0.2
- 0.2 - -0.15
- 0.15 - -0.1
- 0.1 - -0.05
- 0.05 - -0.005
- 0.005 - 0
- 0 - 0.005
- 0.005 - 0.05
- 0.05 - 0.1
- 0.1 - 0.15
- 0.15 - 0.2
- 0.2 - 0.25
- 0.25 - 0.3
- > 0.3

A	24/03/22	DRC	FIRST ISSUE	RC	CJ
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:
 S2 - FOR INFORMATION



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CLIENT:
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PROJECT:
 Leckwith Quay, Cardiff

TITLE:
 VariationD Defended Clear
 1%CE MHWScc
 Maximum Depth Comparison

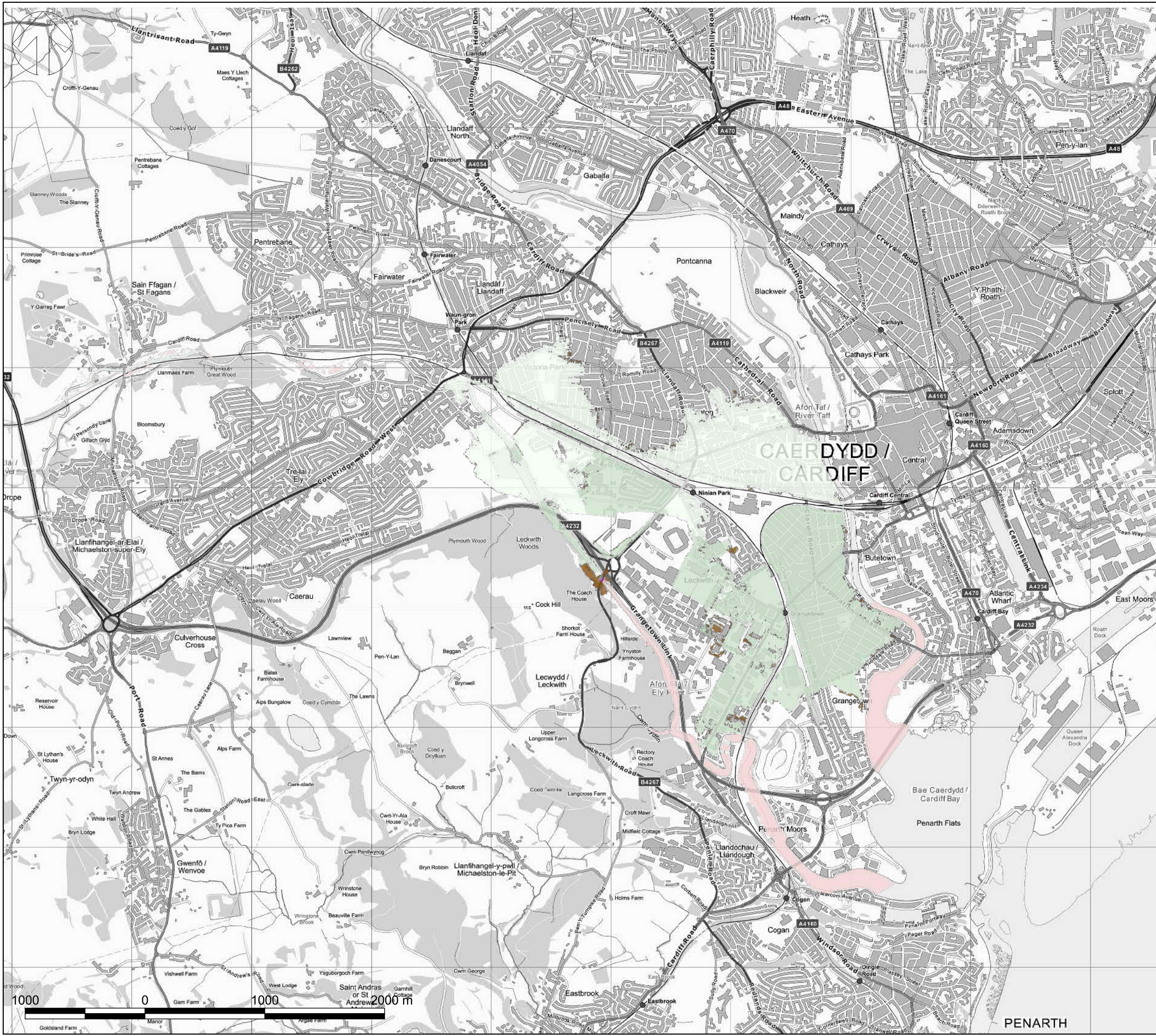
DRAWN: DRC	CHECKED: RC	APPROVED: CJ
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: March 22

DRAWING No: 3561-WSP-DR-C-920 **REV:** A

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Key:
 Model Results:
 Flood Depth Comparison (m)
 VariationD Defended Q1000yr Maximum Depth Comparison

- Was Wet Now Dry
- No Change
- Was Dry Now Wet
- <= -0.3
- 0.3 - -0.25
- 0.25 - -0.2
- 0.2 - -0.15
- 0.15 - -0.1
- 0.1 - -0.05
- 0.05 - -0.005
- 0.005 - 0
- 0 - 0.005
- 0.005 - 0.05
- 0.05 - 0.1
- 0.1 - 0.15
- 0.15 - 0.2
- 0.2 - 0.25
- 0.25 - 0.3
- > 0.3

A	28/03/22	DRC	FIRST ISSUE	RC	CJ
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS:
 S2 - FOR INFORMATION

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 wsp.com

CLIENT:
 Phil Worthing

PROJECT:
 Leckwith Quay, Cardiff

TITLE:
 VariationD Defended Clear
 0.1% MHS
 Maximum Depth Comparison

DRAWN: DRC	CHECKED: RC	APPROVED: CJ
PROJECT No: 7005-3561	SCALE @A3: 1:30000	DATE: March 22

DRAWING No: 3561-WSP-DR-C-921 **REV:** A

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