



Legend

- Sector Boundary Line
- Coastline
- 2017 inundation Extent**
- 1yr ARI
- 10yr ARI
- 50yr ARI
- 100yr ARI
- 500yr ARI

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Legend

— Sector Boundary Line

— Coastline

Water Depth (m)

0 - 0.5
0.5 - 1.0
1.0 - 1.5
1.5 - 2.0
2.0 - 2.5
2.5 - 3.0
3.0 - 3.5

DATE PLOTTED:19/12/2017 10:52:17 AM BY:ANILDHARMA
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Aerial imagery supplied by City of Rockingham (February 2017)
Coordinate System: GDA 1994 MGA Zone 50


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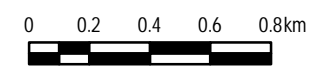
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Scale
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SECTOR 4 DEPTH OF COASTAL INUNDATION 2017 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR4_2017_500ARI_INUNDATIONDEPTH 01



Note: Estimated duration is indicative only and does not consider rainfall or drainage infrastructure.

Legend

Sector Boundary Line

Coastline

Duration of Inundation (Hours)

0 - 20

20 - 40

40 - 60

60 - 80

80 - 100

100 - 120

Aerial imagery supplied by City of Rockingham (February 2017)
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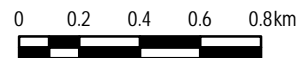
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Scale
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SECTOR 4 DURATION OF COASTAL INUNDATION 2017 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR4_2017_500ARI_INUNDATIONDURATION 01

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Legend

- Sector Boundary Line
- Coastline
- 2030 Inundation Extent**
- 1yr ARI
- 10yr ARI
- 50yr ARI
- 100yr ARI
- 500yr ARI

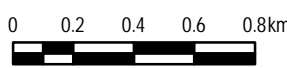
Aerial imagery supplied by City of Rockingham (February 2017)
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SECTOR 4 COASTAL INUNDATION 2030 HAZARD MAP

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM

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Legend

— Sector Boundary Line

— Coastline

Water Depth (m)

0 - 0.5
0.5 - 1.0
1.0 - 1.5
1.5 - 2.0
2.0 - 2.5
2.5 - 3.0
3.0 - 3.5

DATE PLOTTED:19/12/2017 10:52:09 AM BY:ANINDHARMA
FILE: V:\Jobs\59918065_Rockingham_CHRM\Drawings\GIS\Workspaces\InundationDepth\Maps\Sector 4\Sector4_2030_500ari_InundationDepth.mxd



Legend

— Sector Boundary Line

— Coastline

Duration of Inundation (Hours)

0 - 20
20 - 40
40 - 60
60 - 80
80 - 100
100 - 120

Note: Estimated duration is indicative only and does not consider rainfall or drainage infrastructure.



Legend

- Sector Boundary Line
- Coastline
- 2070 Inundation Extent**
- 1yr ARI
- 10yr ARI
- 50yr ARI
- 100yr ARI
- 500yr ARI

Aerial imagery supplied by City of Rockingham (February 2017)
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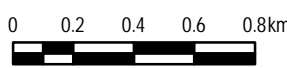
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SECTOR 4 COASTAL INUNDATION 2070 HAZARD MAP

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM

DATE PLOTTED: 19/12/2017 10:51:18 AM BY: ANINDHARMA
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Legend

— Sector Boundary Line

— Coastline

Water Depth (m)

0 - 0.5
0.5 - 1.0
1.0 - 1.5
1.5 - 2.0
2.0 - 2.5
2.5 - 3.0
3.0 - 3.5

Aerial imagery supplied by City of Rockingham (February 2017)
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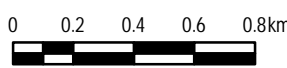
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SECTOR 4 DEPTH OF COASTAL INUNDATION 2070 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR4_2070_500ARI_INUNDATIONDEPTH 01

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Legend

— Sector Boundary Line

— Coastline

Duration of Inundation (Hours)

0 - 20
20 - 40
40 - 60
60 - 80
80 - 100
100 - 120

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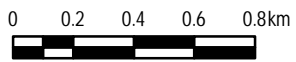
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SECTOR 4 DURATION OF COASTAL INUNDATION 2070 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



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Legend

- Sector Boundary Line
- Coastline
- 2110 Inundation Extent**
- 1yr ARI
- 10yr ARI
- 50yr ARI
- 100yr ARI
- 500yr ARI

Aerial imagery supplied by City of Rockingham (February 2017)
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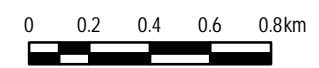
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SECTOR 4 COASTAL INUNDATION 2110 HAZARD MAP

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR4_2110_INUNDATION 01

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FILE: V:\059918065_Rockingham\Drawings\GIS\Workspaces\Inundation\Hazard\Maps\Sector 4\Sector 4_2110_inundation.mxd



Legend

— Sector Boundary Line

— Coastline

Water Depth (m)

0 - 0.5
0.5 - 1.0
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1.5 - 2.0
2.0 - 2.5
2.5 - 3.0
3.0 - 3.5

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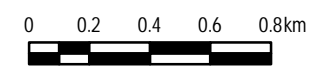
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SECTOR 4 DEPTH OF COASTAL INUNDATION 2110 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR4_2110_500ARI_INUNDATIONDEPTH 01



Sector 3 - Shelton Street

Sector 4 - Becher Point

Legend

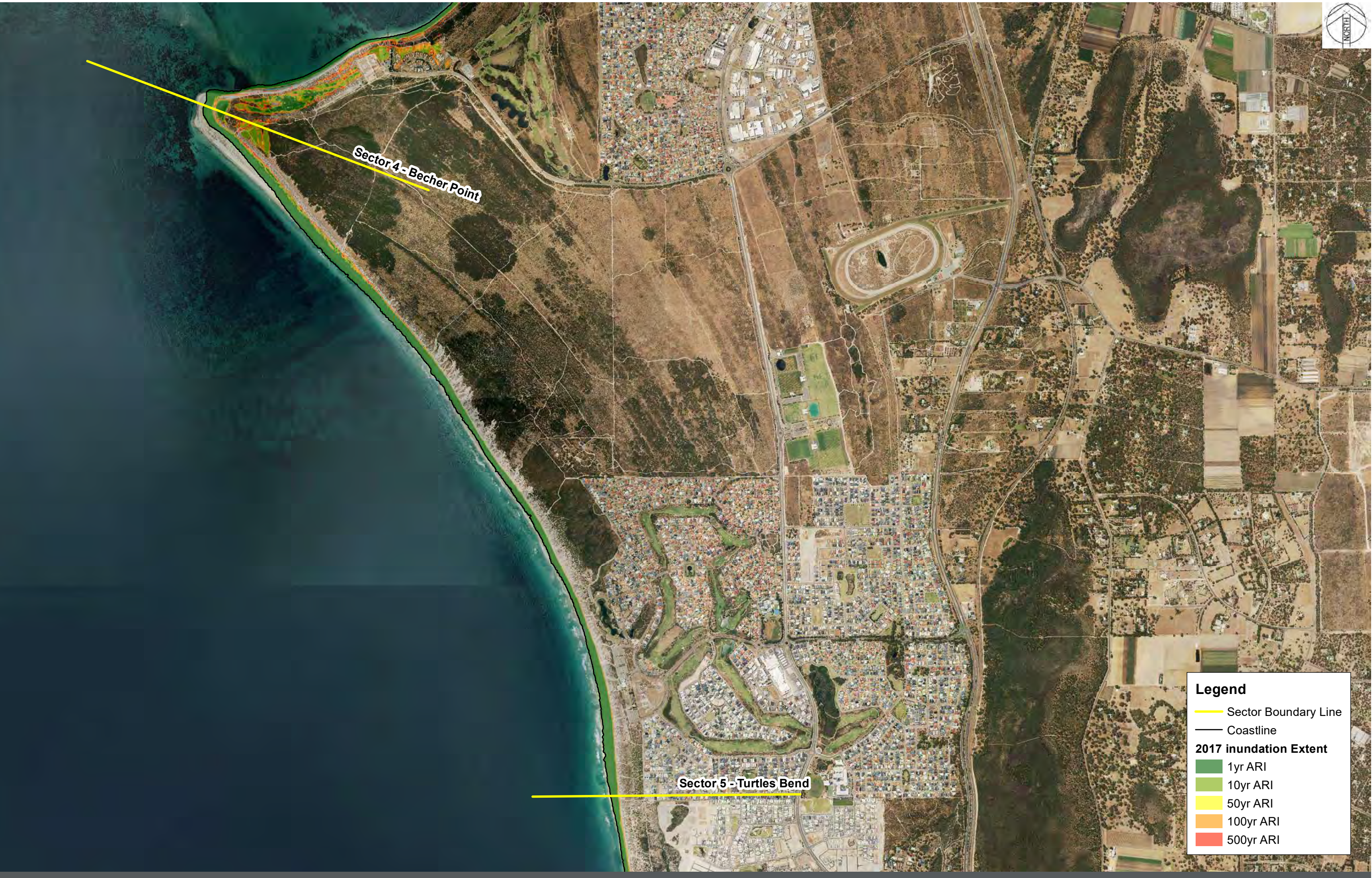
Sector Boundary Line

Coastline

Duration of Inundation (Hours)

<div></div>	0 - 20
<div></div>	20 - 40
<div></div>	40 - 60
<div></div>	60 - 80
<div></div>	80 - 100
<div></div>	100 - 120

Note: Estimated duration is indicative only and does not consider rainfall or drainage infrastructure.



Legend

Sector Boundary Line

Coastline

2017 inundation Extent

1yr ARI

10yr ARI

50yr ARI

100yr ARI

500yr ARI

Aerial imagery supplied by City of Rockingham (February 2017)
Coordinate System: GDA 1994 MGA Zone 50

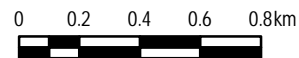


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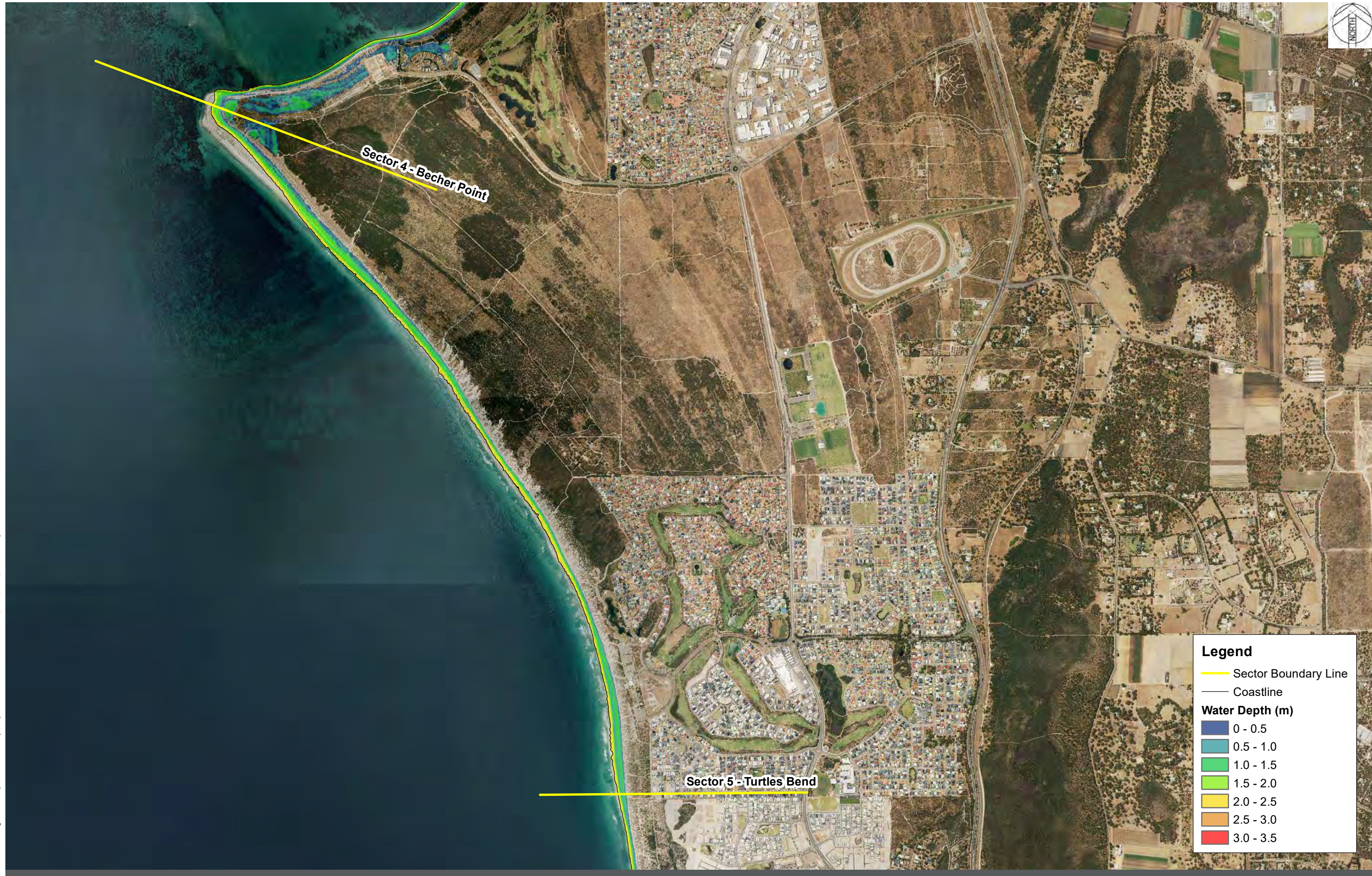


SECTOR 5 COASTAL INUNDATION 2017 HAZARD MAP

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM

59918065-GS-001-SECTOR5_2017_INUNDATION 01

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Legend

— Sector Boundary Line

— Coastline

Water Depth (m)

0 - 0.5
0.5 - 1.0
1.0 - 1.5
1.5 - 2.0
2.0 - 2.5
2.5 - 3.0
3.0 - 3.5

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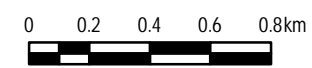
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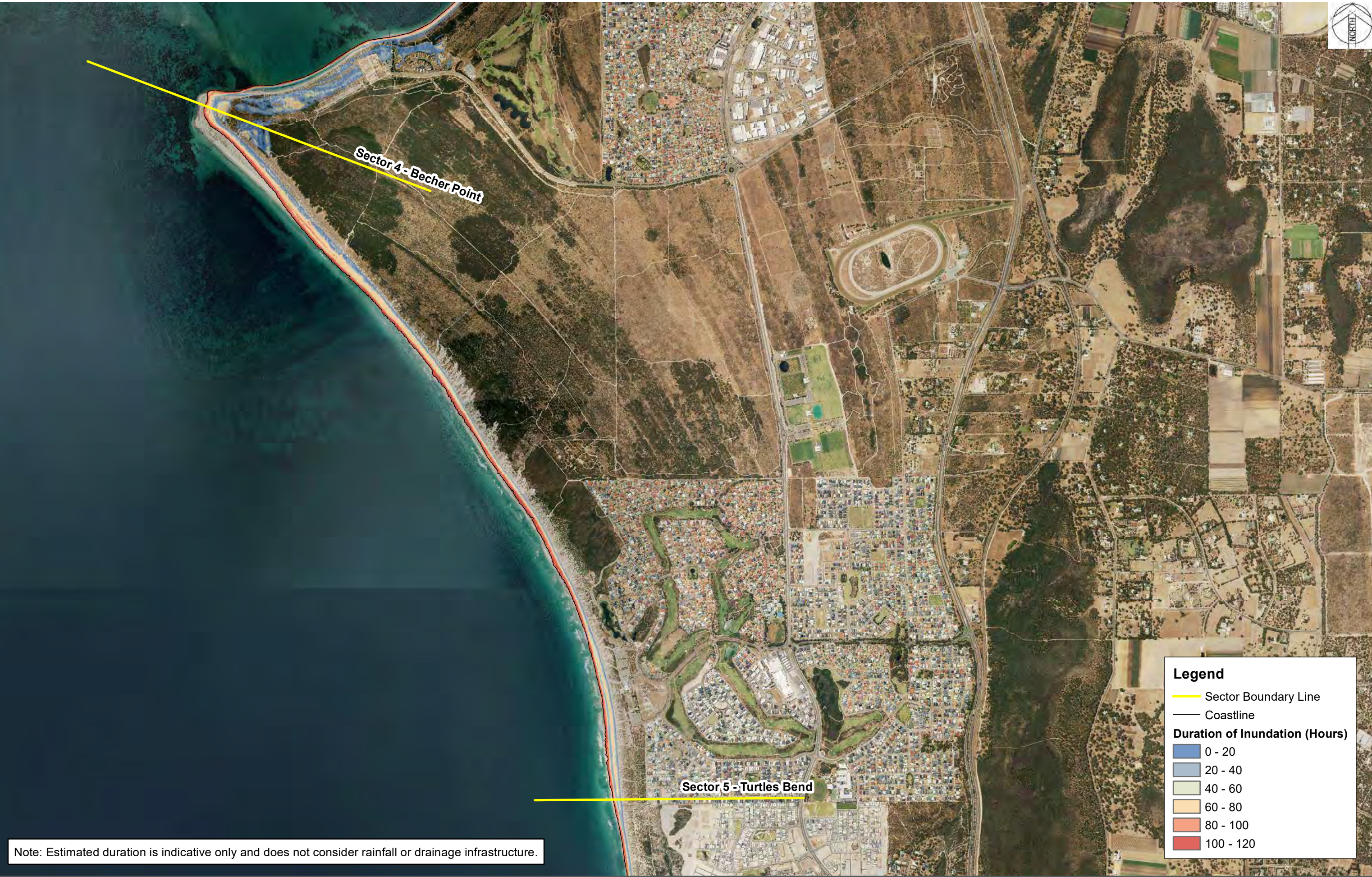
SECTOR 5 DEPTH OF COASTAL INUNDATION 2017 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



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Legend

— Sector Boundary Line

— Coastline

Duration of Inundation (Hours)

0 - 20
20 - 40
40 - 60
60 - 80
80 - 100
100 - 120

Note: Estimated duration is indicative only and does not consider rainfall or drainage infrastructure.

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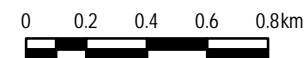
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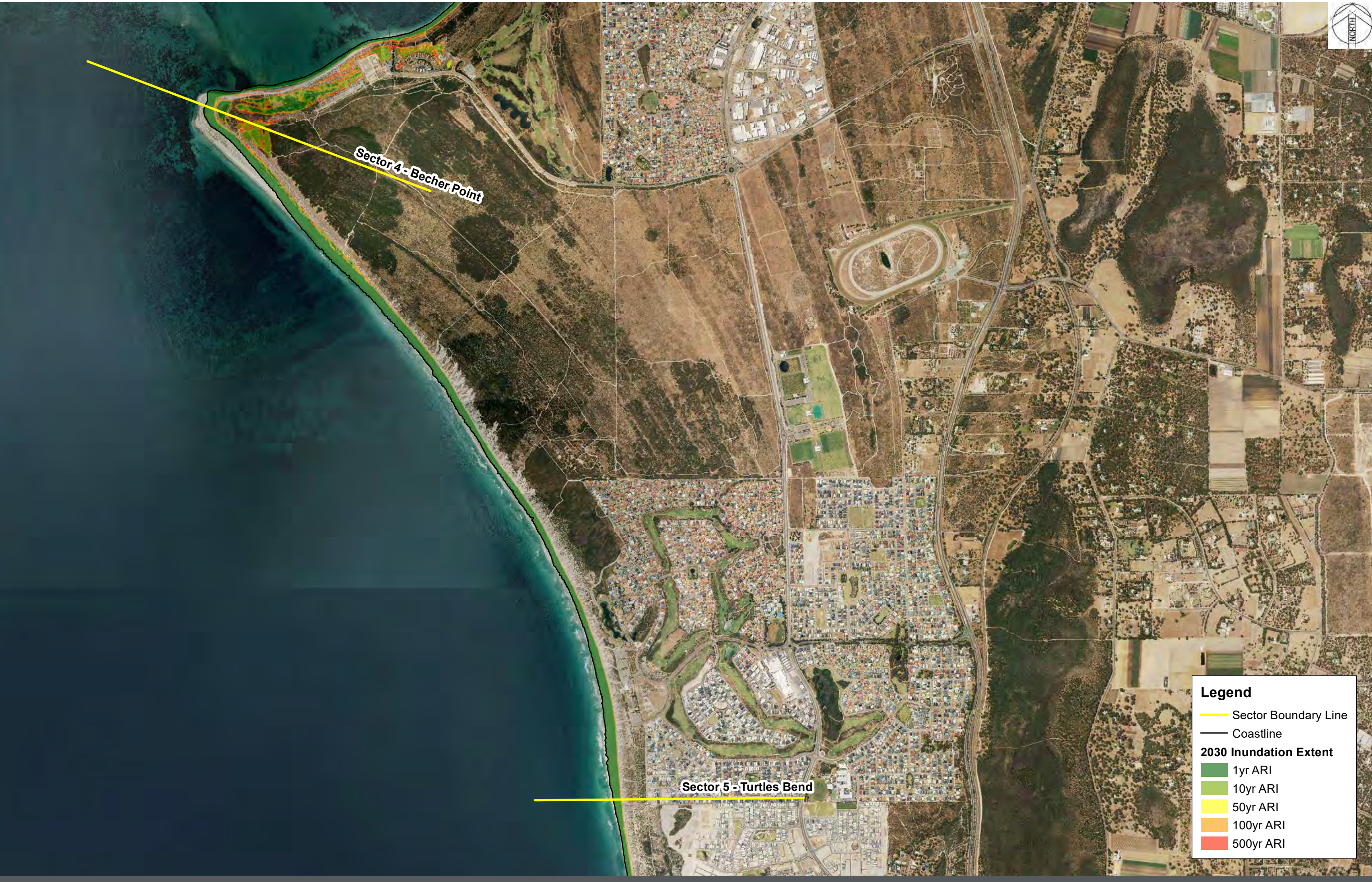
SECTOR 5 DURATION OF COASTAL INUNDATION 2017 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



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Legend

Sector Boundary Line

Coastline

2030 Inundation Extent

1yr ARI

10yr ARI

50yr ARI

100yr ARI

500yr ARI

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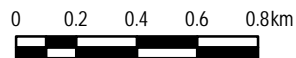
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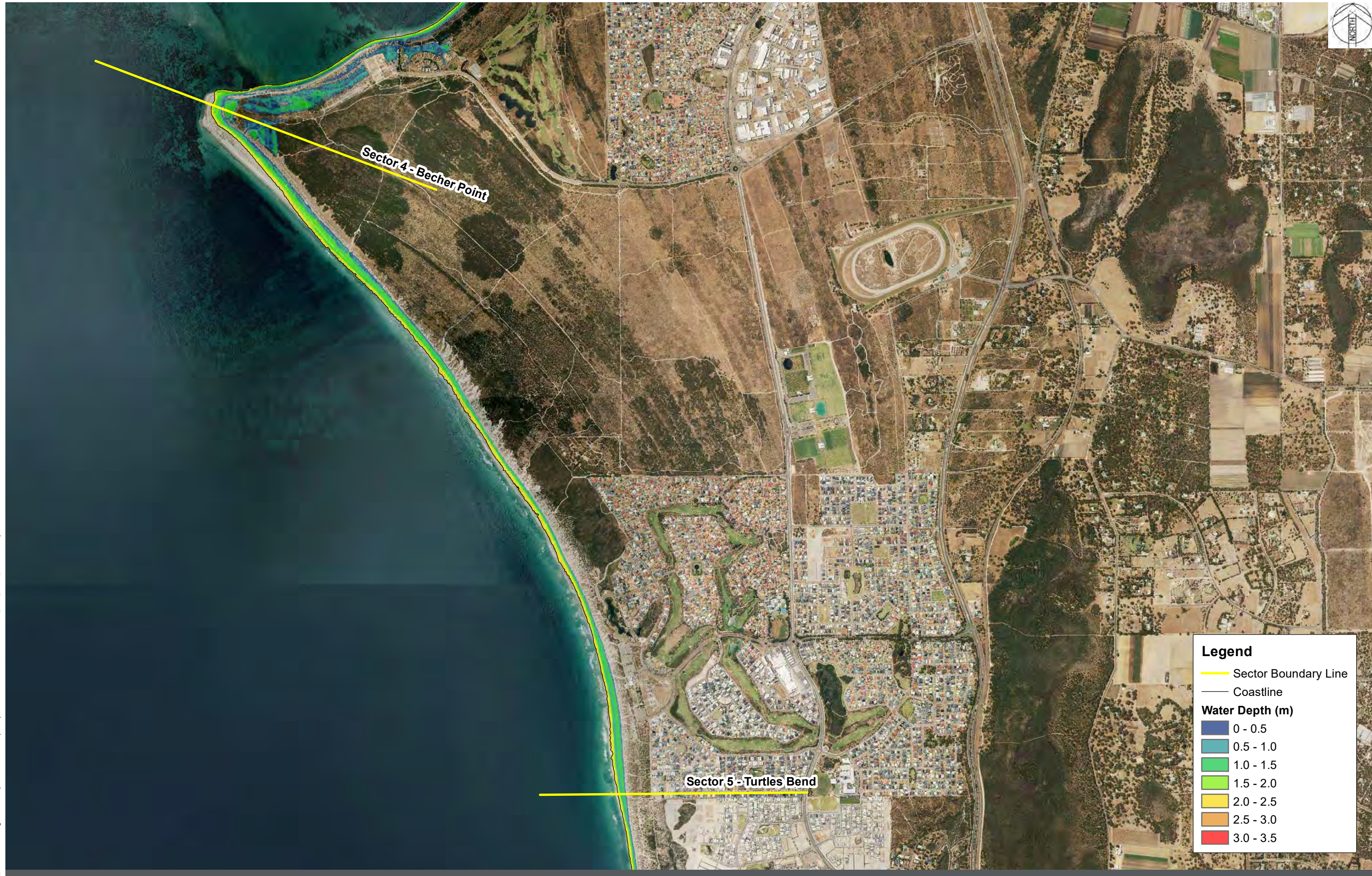


SECTOR 5 COASTAL INUNDATION 2030 HAZARD MAP

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM

59918065-GS-001-SECTOR5_2030_INUNDATION 01

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Legend

— Sector Boundary Line

— Coastline

Water Depth (m)

0 - 0.5
0.5 - 1.0
1.0 - 1.5
1.5 - 2.0
2.0 - 2.5
2.5 - 3.0
3.0 - 3.5

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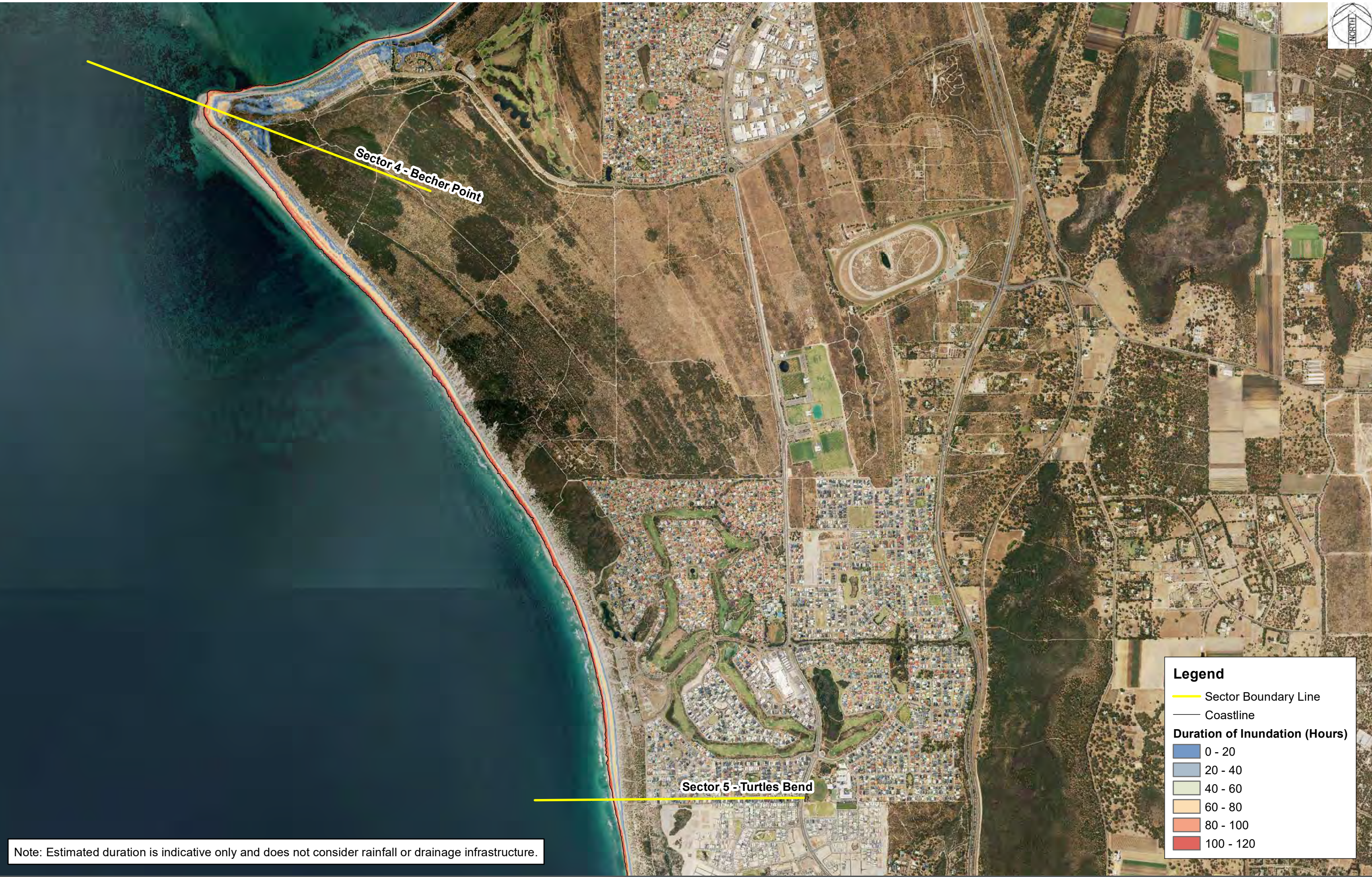
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SECTOR 5 DEPTH OF COASTAL INUNDATION 2030 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM

59918065-GS-001-SECTOR5_2030_500ARI_INUNDATIONDEPTH 01

0 0.2 0.4 0.6 0.8km



Legend

— Sector Boundary Line

— Coastline

Duration of Inundation (Hours)

0 - 20
20 - 40
40 - 60
60 - 80
80 - 100
100 - 120

Note: Estimated duration is indicative only and does not consider rainfall or drainage infrastructure.

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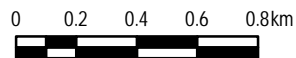
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SECTOR 5 DURATION OF COASTAL INUNDATION 2030 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



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Legend

- Sector Boundary Line
- Coastline
- 2070 Inundation Extent**
- 1yr ARI
- 10yr ARI
- 50yr ARI
- 100yr ARI
- 500yr ARI

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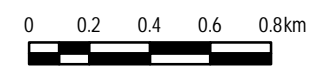
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SECTOR 5 COASTAL INUNDATION 2070 HAZARD MAP

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM

59918065-GS-001-SECTOR5_2070_INUNDATION 01



Legend

— Sector Boundary Line

— Coastline

Water Depth (m)

0 - 0.5
0.5 - 1.0
1.0 - 1.5
1.5 - 2.0
2.0 - 2.5
2.5 - 3.0
3.0 - 3.5

DATE PLOTTED:19/12/2017 11:06:13 AM BY: ANIN.DHARMA
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Note: Estimated duration is indicative only and does not consider rainfall or drainage infrastructure.

Legend

Sector Boundary Line

Coastline

Duration of Inundation (Hours)

0 - 20

20 - 40

40 - 60

60 - 80

80 - 100

100 - 120

Aerial imagery supplied by City of Rockingham (February 2017)
Coordinate System: GDA 1994 MGA Zone 50



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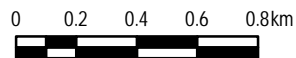
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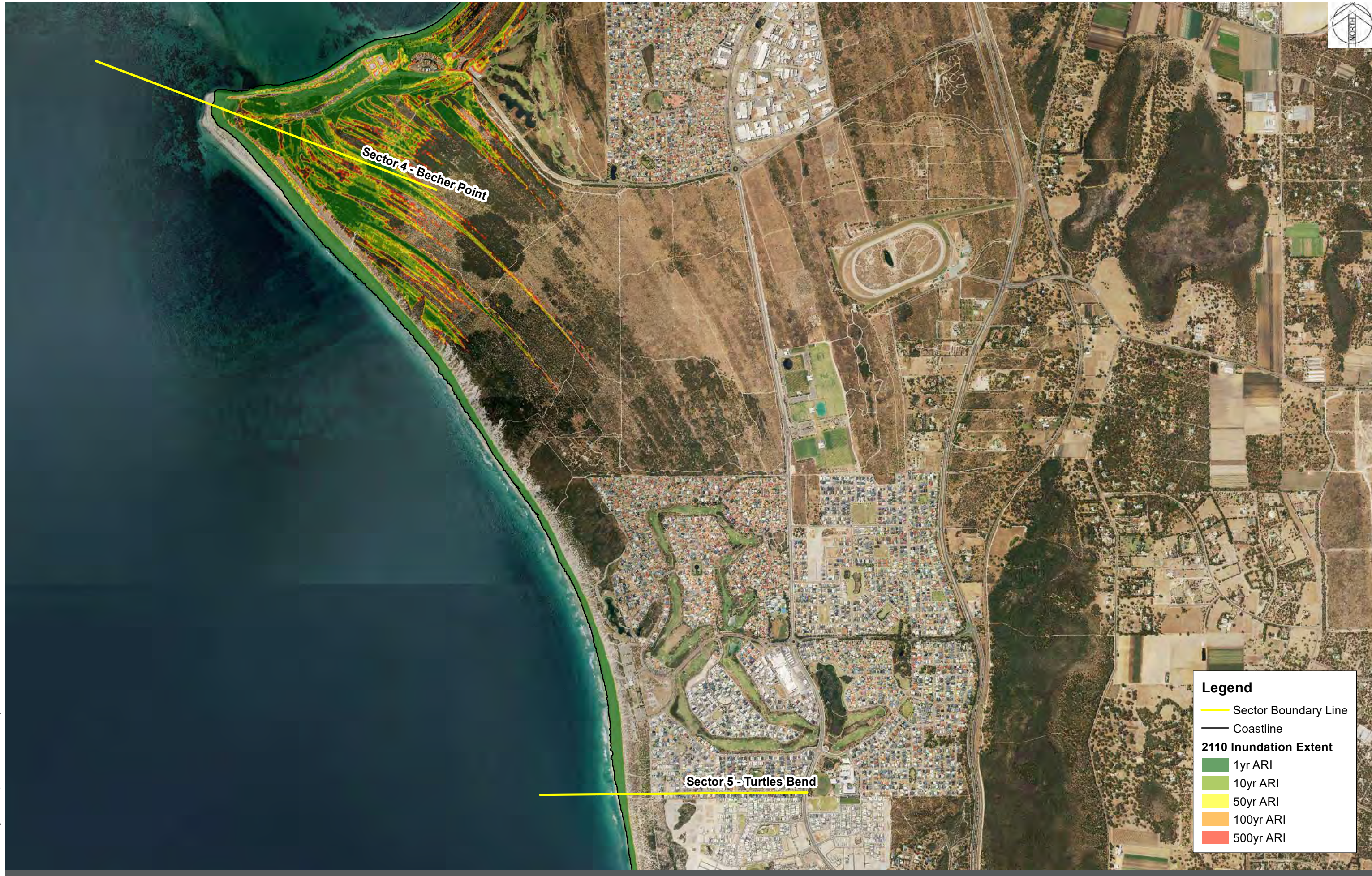
SECTOR 5 DURATION OF COASTAL INUNDATION 2070 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR5_2070_500ARI_INUNDATIONDURATION 01

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Legend

- Sector Boundary Line
- Coastline
- 2110 Inundation Extent**
- 1yr ARI
- 10yr ARI
- 50yr ARI
- 100yr ARI
- 500yr ARI

DATE PLOTTED: 19/12/2017 11:04:59 AM BY: ANN.DHARMA
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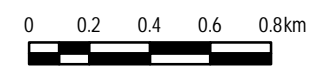
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SECTOR 5 COASTAL INUNDATION 2110 HAZARD MAP

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM

59918065-GS-001-SECTOR5_2110_INUNDATION 01



Legend

— Sector Boundary Line

— Coastline

Water Depth (m)

0 - 0.5
0.5 - 1.0
1.0 - 1.5
1.5 - 2.0
2.0 - 2.5
2.5 - 3.0
3.0 - 3.5

Aerial imagery supplied by City of Rockingham (February 2017)
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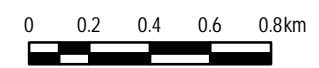
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Size
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Scale
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SECTOR 5 DEPTH OF COASTAL INUNDATION 2110 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR5_2110_500ARI_INUNDATIONDEPTH 01

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FILE: V:\05918065_Rockingham\Drawings\GIS\Workspaces\InundationDepth\Maps\Sector 5\59918065-GS-001-Sector5_2110_500ari_InundationDepth.mxd



Note: Estimated duration is indicative only and does not consider rainfall or drainage infrastructure.

Legend

Sector Boundary Line

Coastline

Duration of Inundation (Hours)

0 - 20

20 - 40

40 - 60

60 - 80

80 - 100

100 - 120

Aerial imagery supplied by City of Rockingham (February 2017)
Coordinate System: GDA 1994 MGA Zone 50



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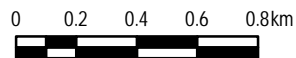
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SECTOR 5 DURATION OF COASTAL INUNDATION 2110 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR5_2110_500ARI_INUNDATIONDURATION 01

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FILE: V:\0059918065_Rockingham\GIS\Workspaces\Inundation\Duration\Maps\Sector 5\59918065-GS-001-Sector5_2110_500ari_inundationDuration.mxd



Sector 5 - Turtles Bend

Sector 6 - Municipal Boundary

Legend

City of Rockingham Boundary (CoR)

Sector Boundary Line

Coastline

2017 inundation Extent

1yr ARI

10yr ARI

50yr ARI

100yr ARI

500yr ARI

Aerial imagery supplied by City of Rockingham (February 2017)
Coordinate System: GDA 1994 MGA Zone 50

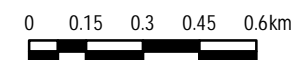


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SECTOR 6 COASTAL INUNDATION 2017 HAZARD MAP

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM

59918065-GS-001-SECTOR6_2017_INUNDATION 01

DATE PLOTTED:19/12/2017 11:15:18 AM BY: ANIN.DHARMA
FILE: V:\059918065_Rockingham_CHRM\Drawings\GIS\Workspaces\Inundation\Hazard\Maps\Sector 6\59918065-GS-001-Sector6_2017_Inundation.mxd



Sector 5 - Turtles Bend

Sector 6 - Municipal Boundary

Legend

City of Rockingham Boundary (CoR)

Coastline

Sector Boundary Line

Water Depth (m)

0 - 0.5

0.5 - 1.0

1.0 - 1.5

1.5 - 2.0

2.0 - 2.5

2.5 - 3.0

3.0 - 3.5

Aerial imagery supplied by City of Rockingham (February 2017)
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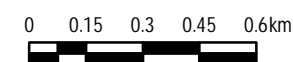
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SECTOR 6 DEPTH OF COASTAL INUNDATION 2017 - 500 YEAR ARI

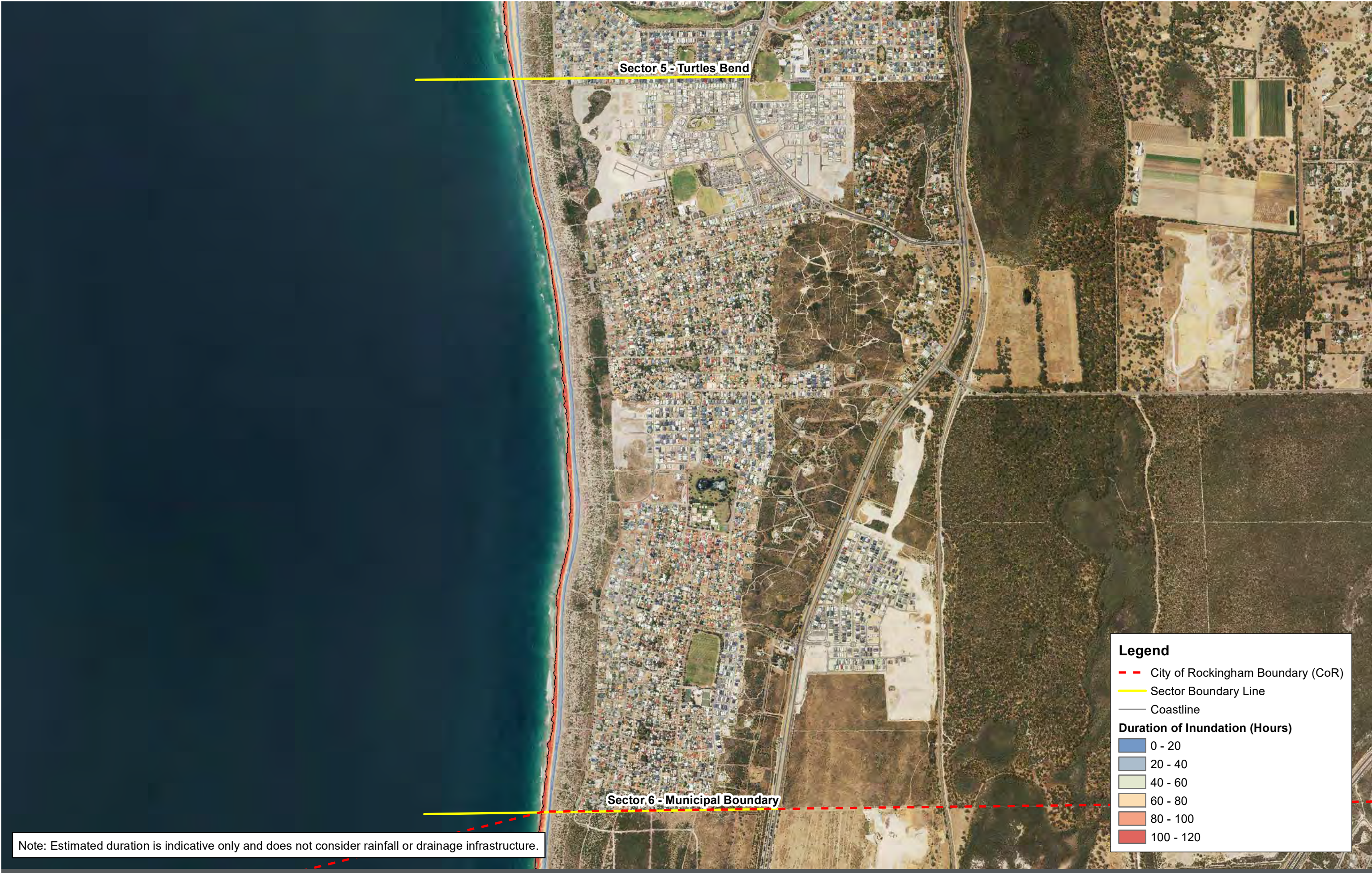
COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



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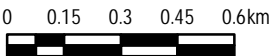
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Size
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SECTOR 6 DURATION OF COASTAL INUNDATION 2017 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR6_2017_500ARI_INUNDATIONDURATION 01



Sector 5 - Turtles Bend

Sector 6 - Municipal Boundary

Legend

City of Rockingham Boundary (CoR)

Sector Boundary Line

Coastline

2030 Inundation Extent

1yr ARI

10yr ARI

50yr ARI

100yr ARI

500yr ARI

Aerial imagery supplied by City of Rockingham (February 2017)
Coordinate System: GDA 1994 MGA Zone 50

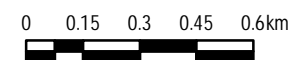


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SECTOR 6 COASTAL INUNDATION 2030 HAZARD MAP

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM

59918065-GS-001-SECTOR6_2030_INUNDATION 01

DATE PLOTTED:19/12/2017 11:15:11 AM BY: ANIN.DHARMA
FILE: V:\059918065_Rockingham_CHRM\Drawings\GIS\Workspaces\Inundation\Hazard\Maps\Sector 6\59918065-GS-001-Sector6_2030_Inundation.mxd



Sector 5 - Turtles Bend

Sector 6 - Municipal Boundary

Legend

City of Rockingham Boundary (CoR)

Coastline

Sector Boundary Line

Water Depth (m)

0 - 0.5

0.5 - 1.0

1.0 - 1.5

1.5 - 2.0

2.0 - 2.5

2.5 - 3.0

3.0 - 3.5

Aerial imagery supplied by City of Rockingham (February 2017)
Coordinate System: GDA 1994 MGA Zone 50



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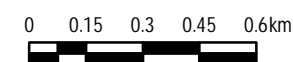
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SECTOR 6 DEPTH OF COASTAL INUNDATION 2030 - 500 YEAR ARI

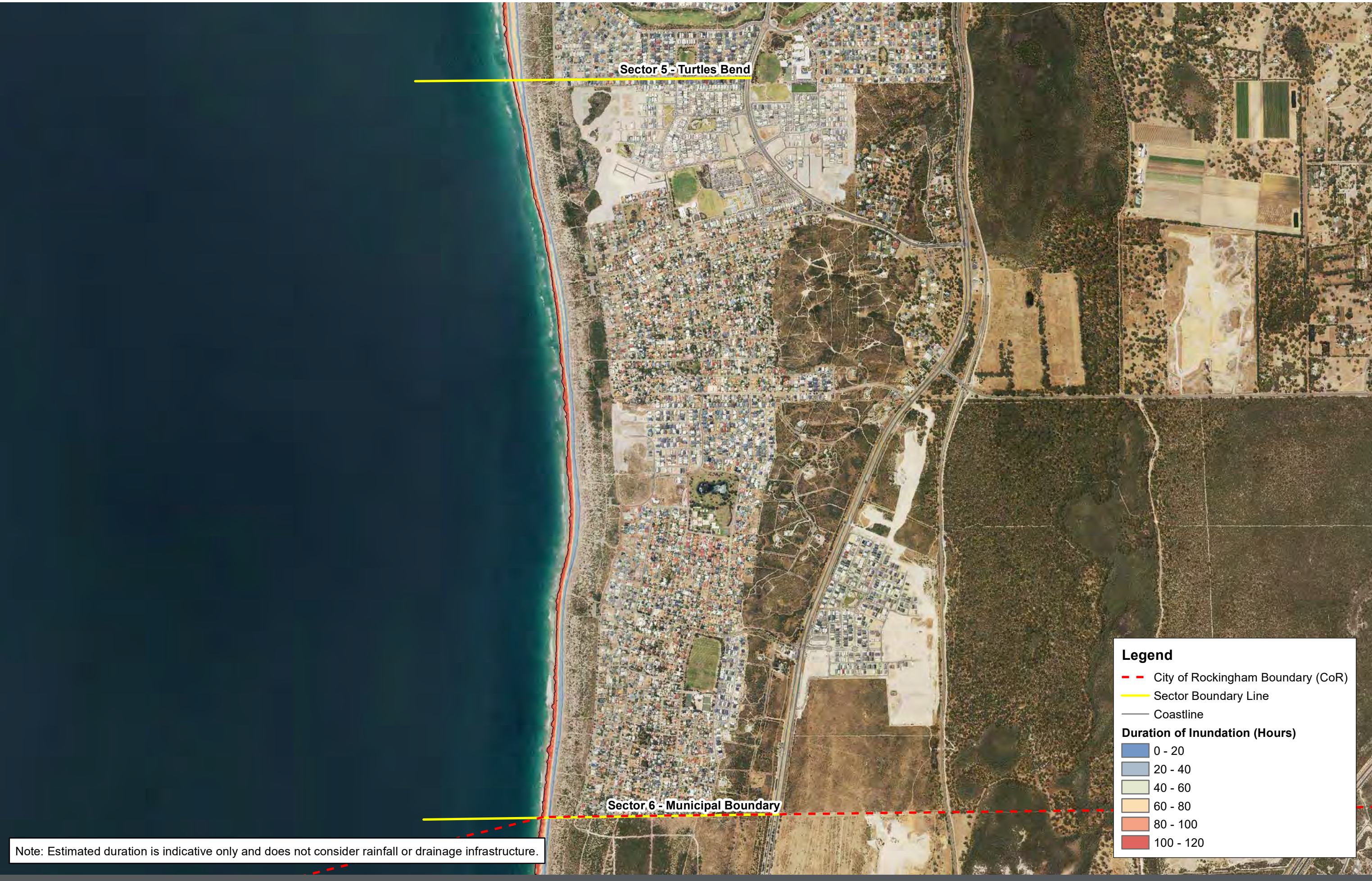
COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR6_2030_500ARI_INUNDATIONDEPTH 01

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DATE PLOTTED: 19/12/2017 11:13:41 AM BY: ANN.DHARMA
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Note: Estimated duration is indicative only and does not consider rainfall or drainage infrastructure.

Legend

City of Rockingham Boundary (CoR)

Sector Boundary Line

Coastline

Duration of Inundation (Hours)

0 - 20

20 - 40

40 - 60

60 - 80

80 - 100

100 - 120

Aerial imagery supplied by City of Rockingham (February 2017)
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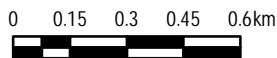
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SECTOR 6 DURATION OF COASTAL INUNDATION 2030 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR6_2030_500ARI_INUNDATIONDURATION 01



Sector 5 - Turtles Bend

Sector 6 - Municipal Boundary

Legend

- City of Rockingham Boundary (CoR)
- Sector Boundary Line
- Coastline
- 2070 Inundation Extent**
 - 1yr ARI
 - 10yr ARI
 - 50yr ARI
 - 100yr ARI
 - 500yr ARI

Aerial imagery supplied by City of Rockingham (February 2017)
Coordinate System: GDA 1994 MGA Zone 50

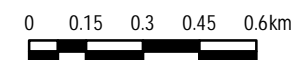


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SECTOR 6 COASTAL INUNDATION 2070 HAZARD MAP

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM

59918065-GS-001-SECTOR6_2070_INUNDATION 01

DATE PLOTTED:19/12/2017 11:15:24 AM BY: ANIN.DHARMA
FILE: V:\Jobs\59918065_Rockingham\Drawings\GIS\Workspaces\Inundation\Hazard\Maps\Sector 6\59918065-GS-001-Sector6_2070_Inundation.mxd



Sector 5 - Turtles Bend

Sector 6 - Municipal Boundary

Legend

City of Rockingham Boundary (CoR)

Coastline

Sector Boundary Line

Water Depth (m)

0 - 0.5

0.5 - 1.0

1.0 - 1.5

1.5 - 2.0

2.0 - 2.5

2.5 - 3.0

3.0 - 3.5

Aerial imagery supplied by City of Rockingham (February 2017)
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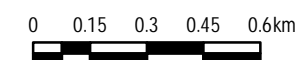
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Size
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SECTOR 6 DEPTH OF COASTAL INUNDATION 2070 - 500 YEAR ARI

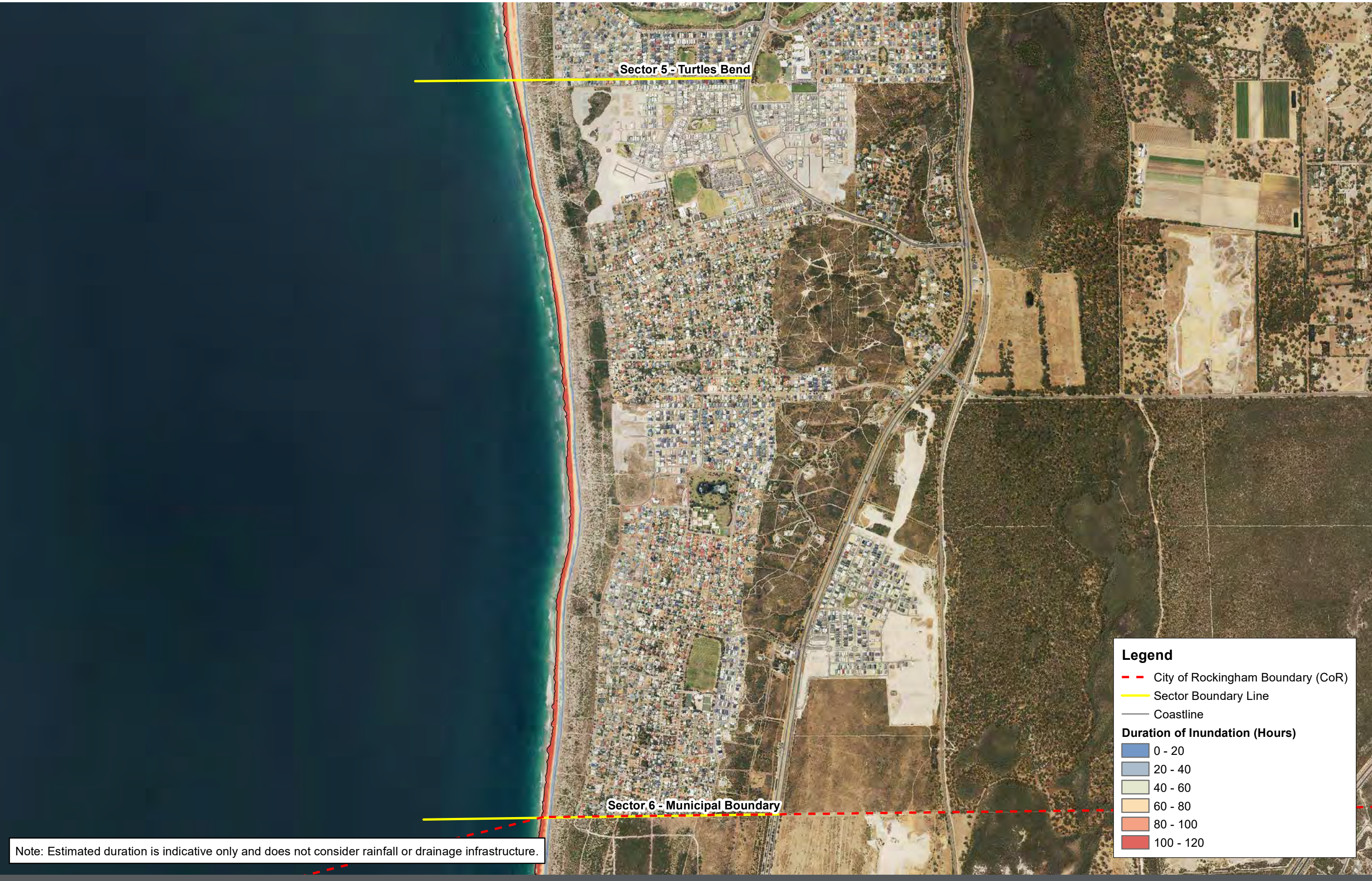
COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR6_2070_500ARI_INUNDATIONDEPTH 01

DATE PLOTTED:19/12/2017 11:26:48 AM BY: ANIN.DHARMA
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Note: Estimated duration is indicative only and does not consider rainfall or drainage infrastructure.

Legend

City of Rockingham Boundary (CoR)

Sector Boundary Line

Coastline

Duration of Inundation (Hours)

0 - 20

20 - 40

40 - 60

60 - 80

80 - 100

100 - 120

Aerial imagery supplied by City of Rockingham (February 2017)
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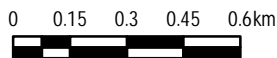
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Size
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SECTOR 6 DURATION OF COASTAL INUNDATION 2070 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR6_2070_500ARI_INUNDATIONDURATION 01



Sector 5 - Turtles Bend

Sector 6 - Municipal Boundary

Legend

- City of Rockingham Boundary (CoR)
- Sector Boundary Line
- Coastline
- 2110 Inundation Extent**
 - 1yr ARI
 - 10yr ARI
 - 50yr ARI
 - 100yr ARI
 - 500yr ARI

Aerial imagery supplied by City of Rockingham (February 2017)
Coordinate System: GDA 1994 MGA Zone 50

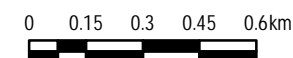


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SECTOR 6 COASTAL INUNDATION 2110 HAZARD MAP

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM

59918065-GS-001-SECTOR6_2110_INUNDATION 01

DATE PLOTTED: 19/12/2017 11:23:15 AM BY: ANN.DHARMA
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Sector 5 - Turtles Bend

Sector 6 - Municipal Boundary

Legend

City of Rockingham Boundary (CoR)

Coastline

Sector Boundary Line

Water Depth (m)

0 - 0.5

0.5 - 1.0

1.0 - 1.5

1.5 - 2.0

2.0 - 2.5

2.5 - 3.0

3.0 - 3.5

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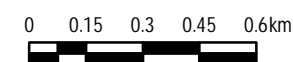
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SECTOR 6 DEPTH OF COASTAL INUNDATION 2110 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR6_2110_500ARI_INUNDATIONDEPTH 01

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Sector 5 - Turtles Bend

Sector 6 - Municipal Boundary

Note: Estimated duration is indicative only and does not consider rainfall or drainage infrastructure.

Legend

City of Rockingham Boundary (CoR)

Sector Boundary Line

Coastline

Duration of Inundation (Hours)

0 - 20

20 - 40

40 - 60

60 - 80

80 - 100

100 - 120

Aerial imagery supplied by City of Rockingham (February 2017)
Coordinate System: GDA 1994 MGA Zone 50

Map produced by Cardno WA Pty Ltd
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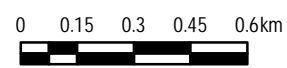
Date
19/12/2017

Size
A3

Scale
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SECTOR 6 DURATION OF COASTAL INUNDATION 2110 - 500 YEAR ARI

COASTAL HAZARD RISK MANAGEMENT AND ADAPTATION PLANNING
CITY OF ROCKINGHAM



59918065-GS-001-SECTOR6_2110_500ARI_INUNDATIONDURATION 01

DATE PLOTTED: 19/12/2017 11:13:55 AM BY: ANN.DHARMA
FILE: V:\0059918065_Rockingham\Drawings\GIS\Workspaces\Inundation\Duration\Maps\Sector 6\59918065-GS-001-Sector6_2110_500ari_inundationDuration.mxd

APPENDIX

C

SBEACH RESULT FIGURES

