

FIGURE D-01
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
50% BLOCKAGE SENSITIVITY
FLOOD DEPTH



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FIGURE D-02
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
50% BLOCKAGE SENSITIVITY
FLOOD DEPTH



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FIGURE D-03
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 50% BLOCKAGE SENSITIVITY
 FLOOD LEVEL



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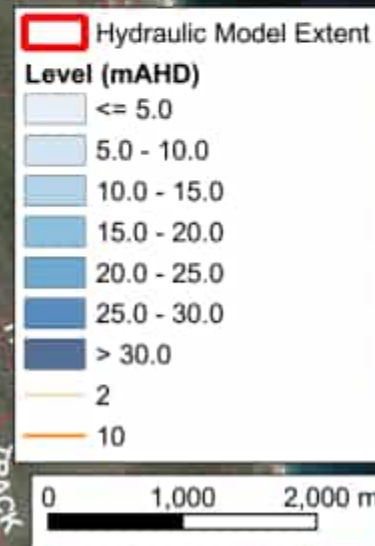
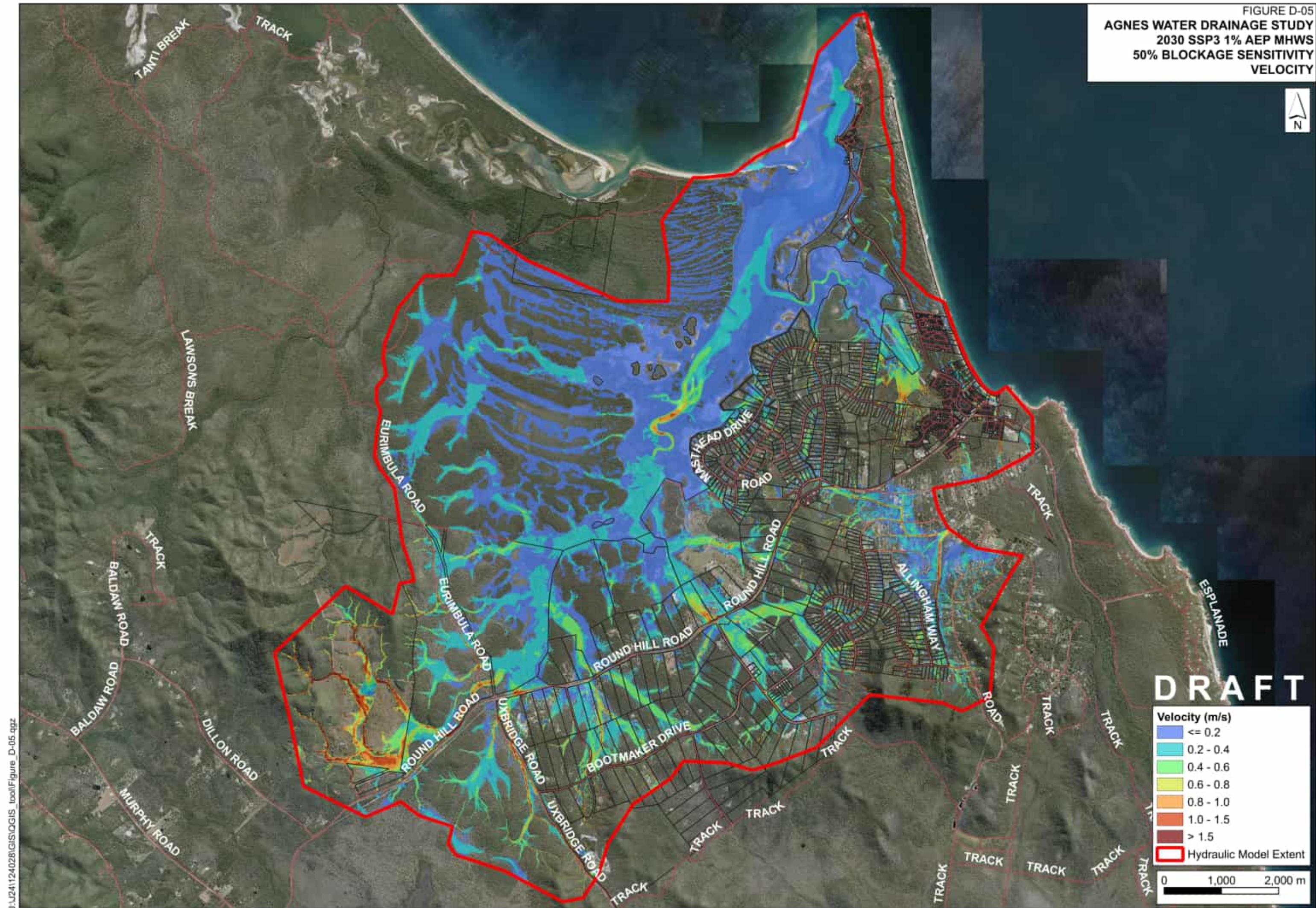


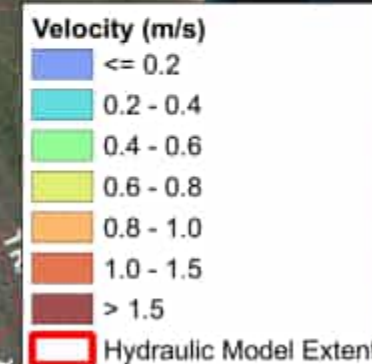
FIGURE D-04
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
50% BLOCKAGE SENSITIVITY
FLOOD LEVEL



FIGURE D-05
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 50% BLOCKAGE SENSITIVITY
 VELOCITY

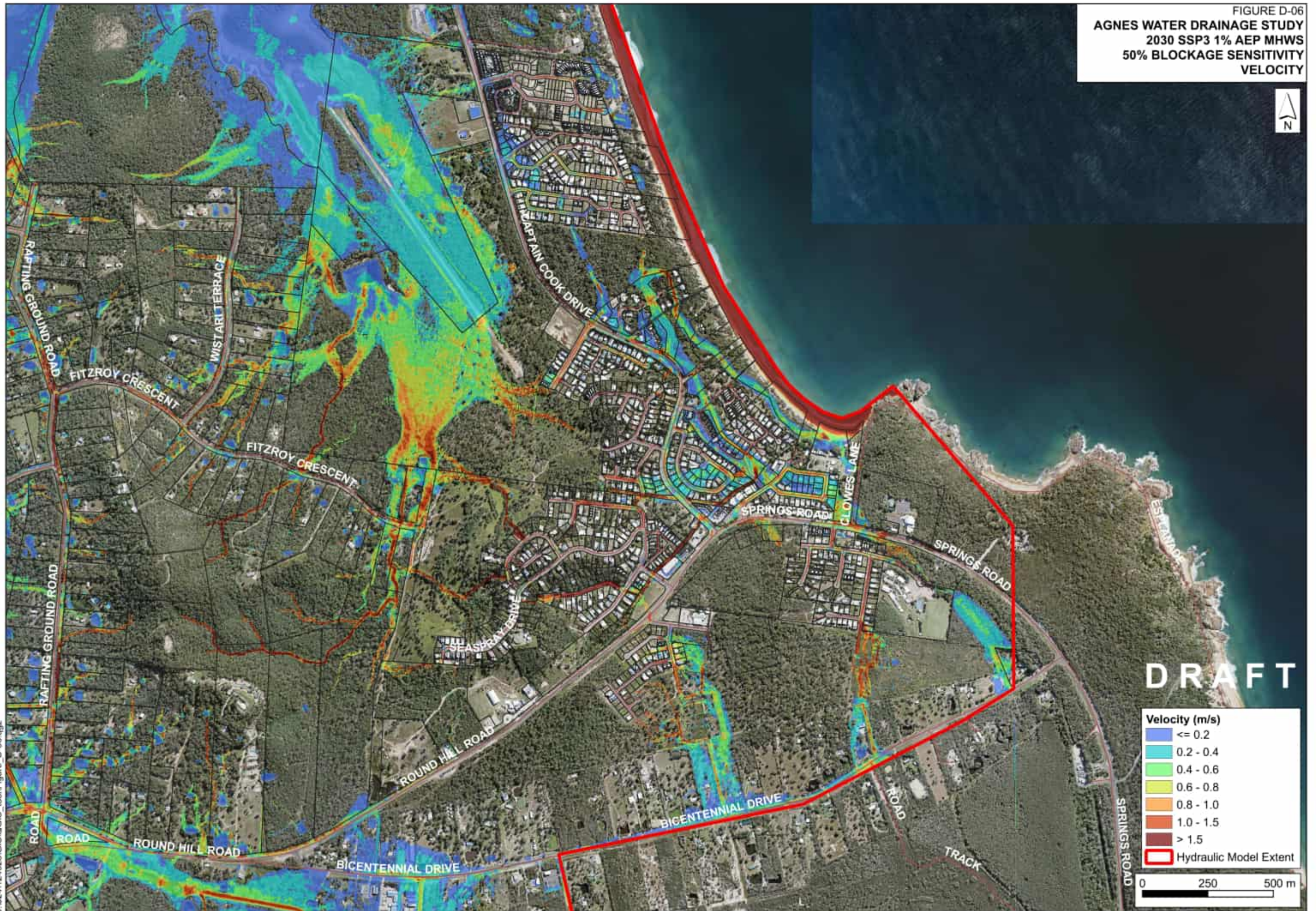


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0 1,000 2,000 m

FIGURE D-06
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
50% BLOCKAGE SENSITIVITY
VELOCITY



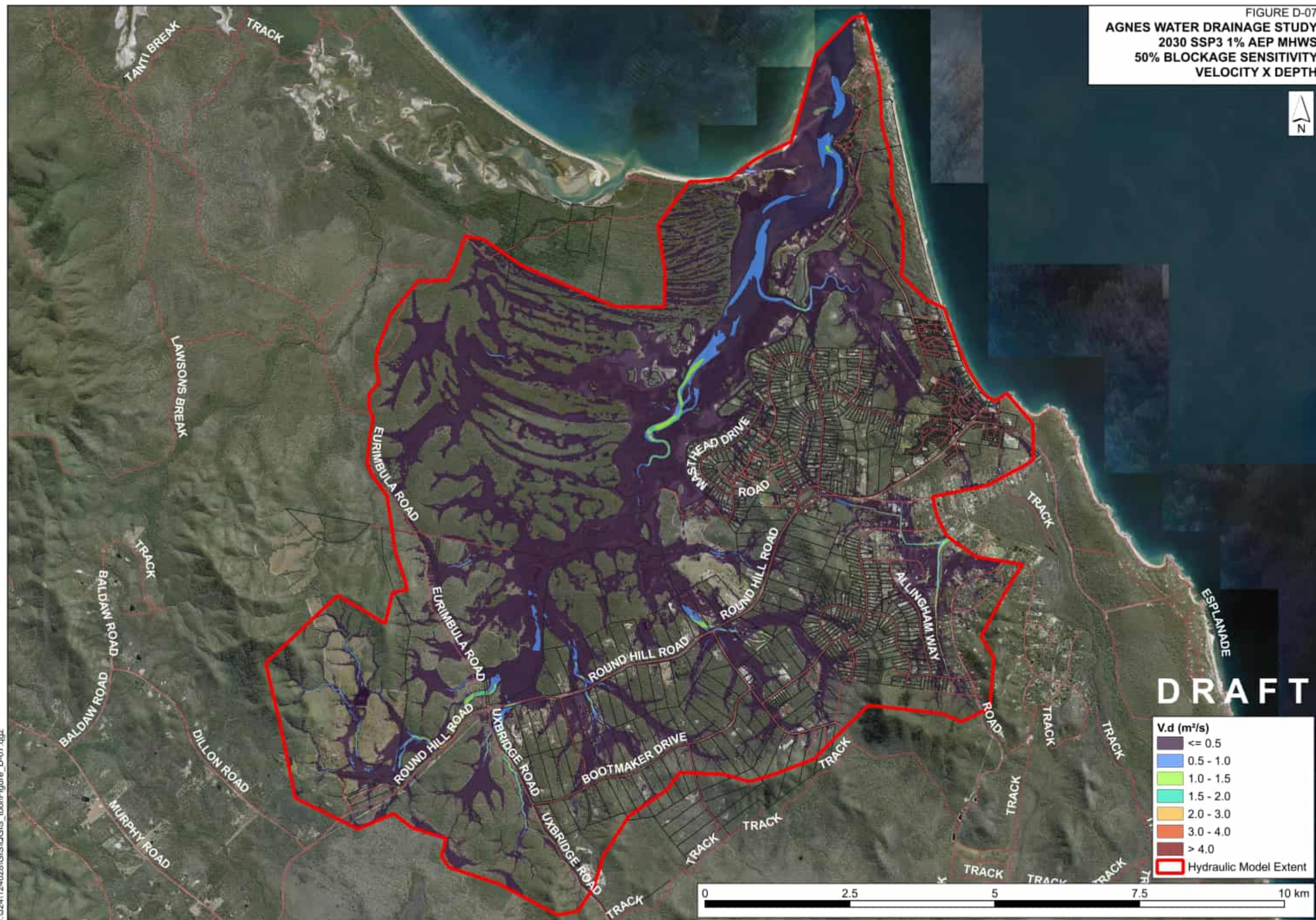


FIGURE D-08
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 50% BLOCKAGE SENSITIVITY
 VELOCITY X DEPTH

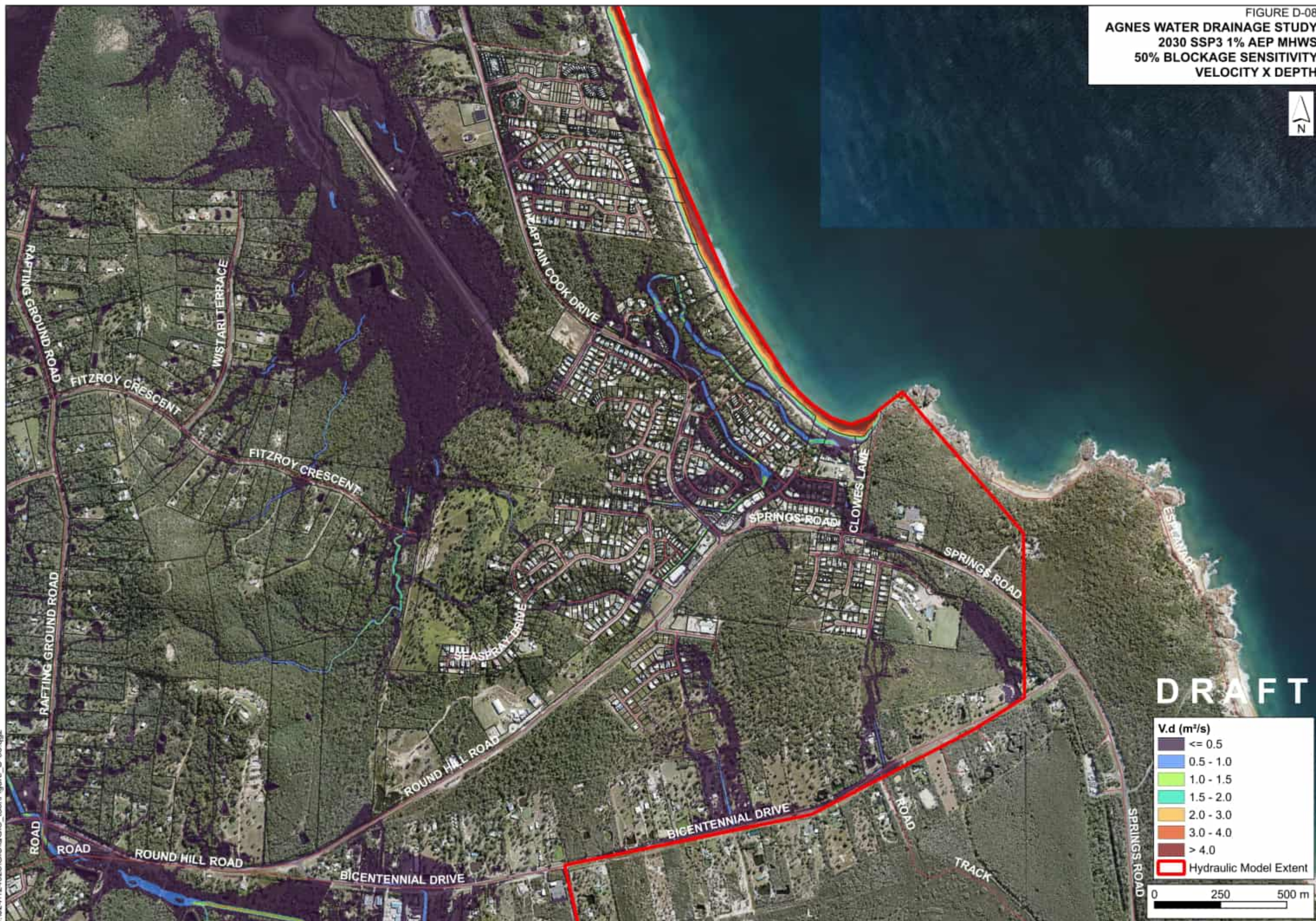
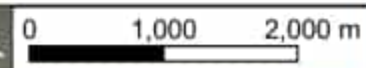


FIGURE D-09
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 50% BLOCKAGE SENSITIVITY
 HYDRAULIC HAZARD (HANDBOOK 7)



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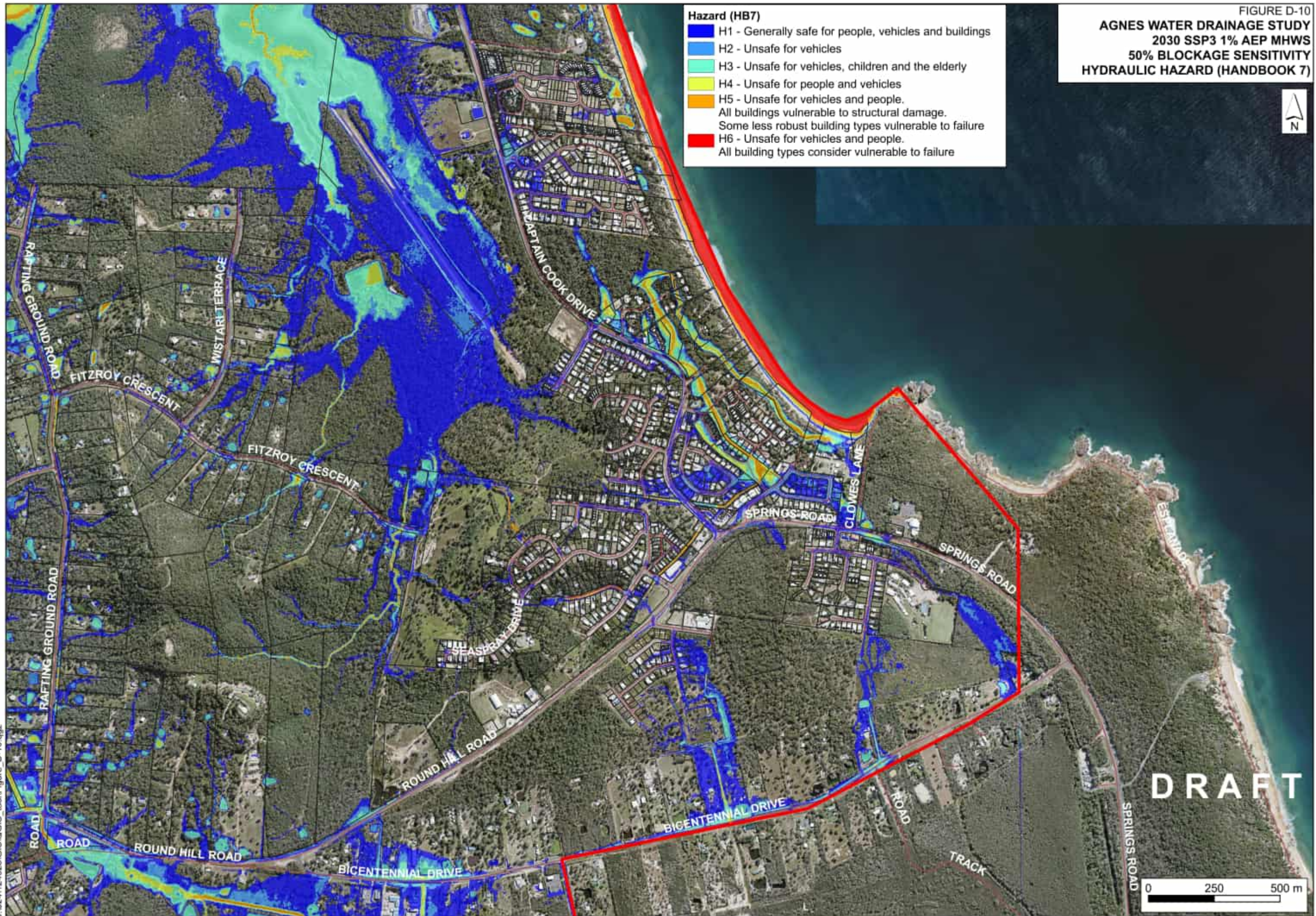
- Hazard (HB7)**
- H1 - Generally safe for people, vehicles and buildings
 - H2 - Unsafe for vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people.
All buildings vulnerable to structural damage.
Some less robust building types vulnerable to failure
 - H6 - Unsafe for vehicles and people.
All building types consider vulnerable to failure
 - Hydraulic Model Extent



AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
50% BLOCKAGE SENSITIVITY
HYDRAULIC HAZARD (HANDBOOK 7)

**Hazard (HB7)**

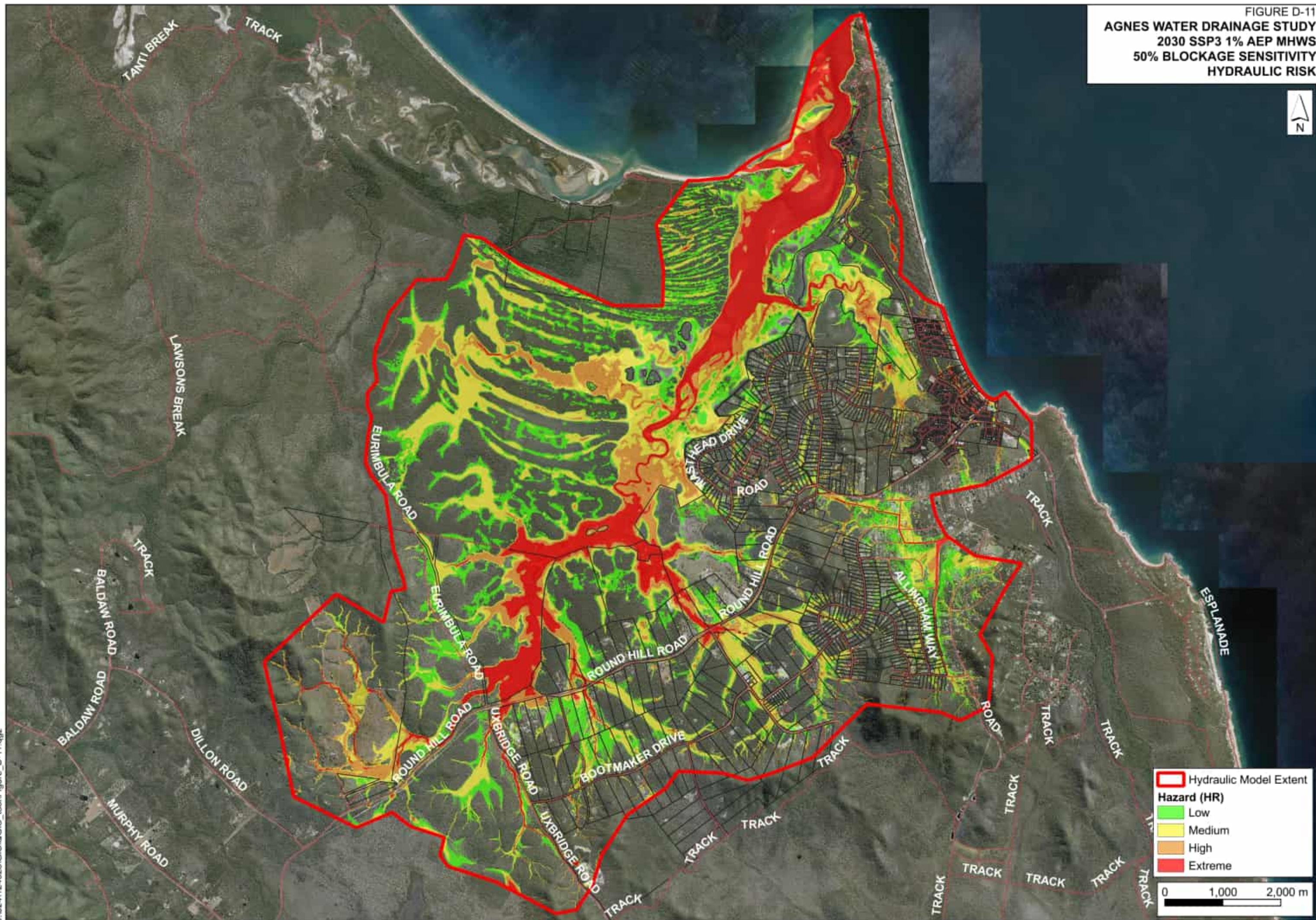
- H1 - Generally safe for people, vehicles and buildings
- H2 - Unsafe for vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for vehicles and people.
All buildings vulnerable to structural damage.
Some less robust building types vulnerable to failure
- H6 - Unsafe for vehicles and people.
All building types consider vulnerable to failure



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0 250 500 m

FIGURE D-11
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 50% BLOCKAGE SENSITIVITY
 HYDRAULIC RISK



Hydraulic Model Extent

Hazard (HR)

- Low
- Medium
- High
- Extreme

0 1,000 2,000 m

FIGURE D-12
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 50% BLOCKAGE SENSITIVITY
 HYDRAULIC RISK

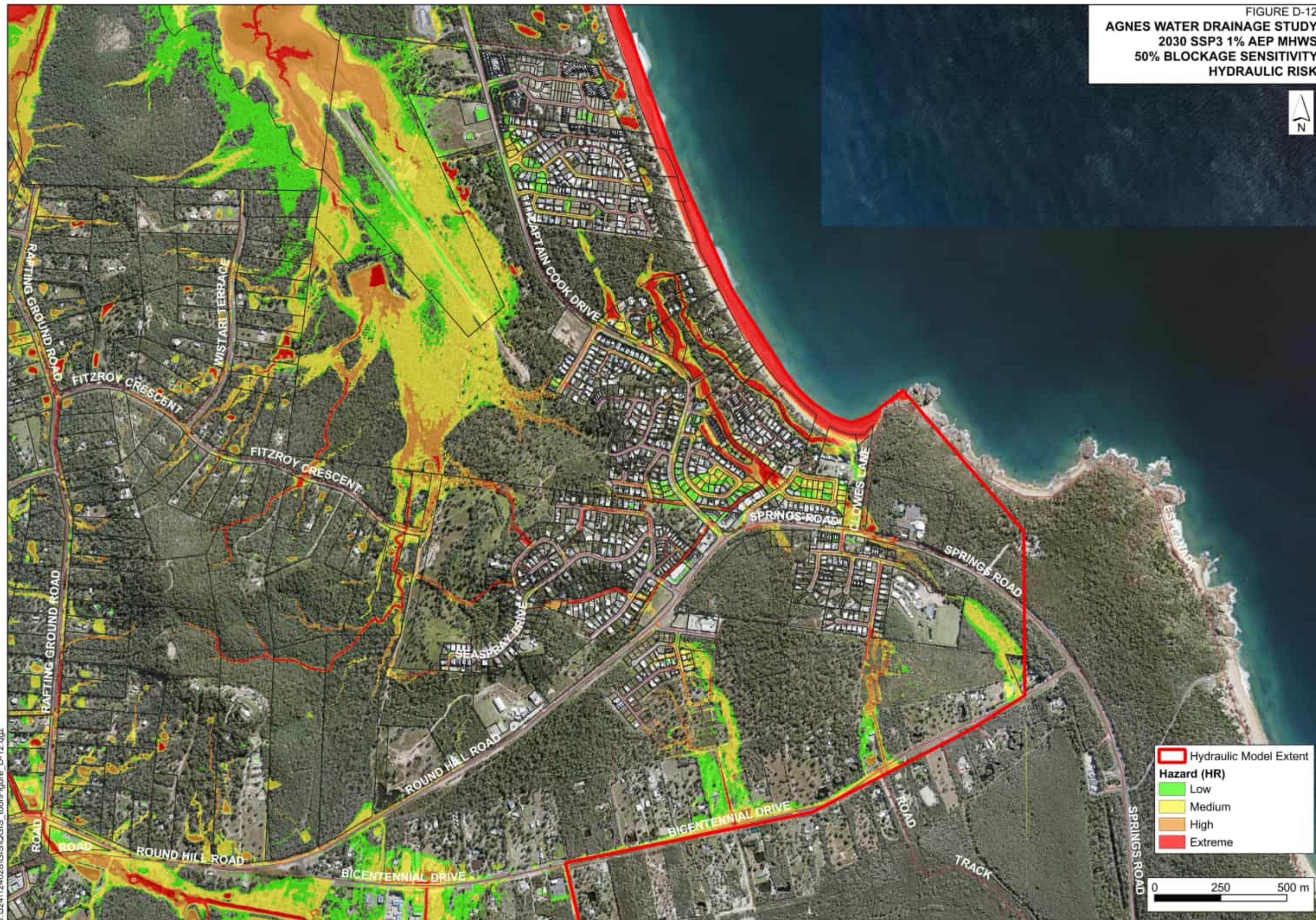


FIGURE D-13
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 50% BLOCKAGE SENSITIVITY
 IMPACT



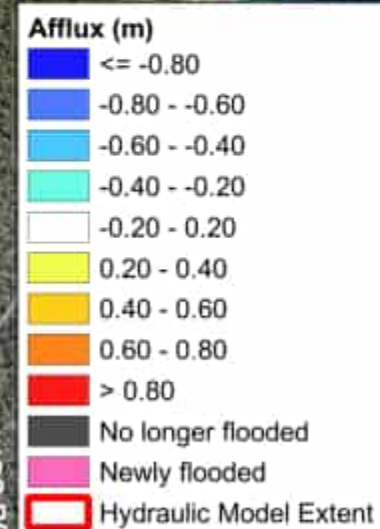
DRAFT



FIGURE D-14
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 50% BLOCKAGE SENSITIVITY
 IMPACT



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0 250 500 m

FIGURE D-15
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 +20% ROUGHNESS SENSITIVITY
 FLOOD DEPTH



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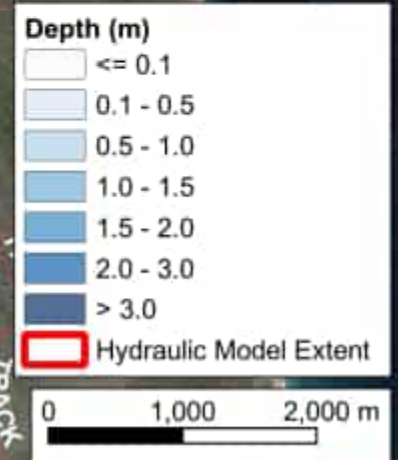


FIGURE D-16
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
+20% ROUGHNESS SENSITIVITY
FLOOD DEPTH



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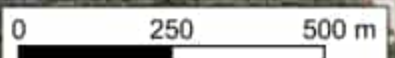
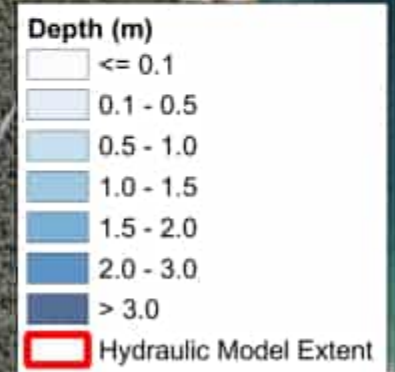


FIGURE D-17
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 +20% ROUGHNESS SENSITIVITY
 FLOOD LEVEL



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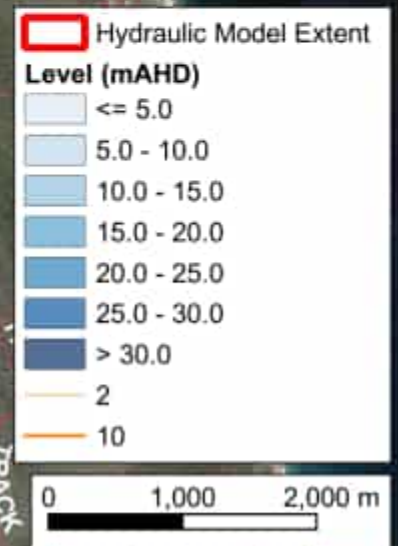


FIGURE D-18
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
+20% ROUGHNESS SENSITIVITY
FLOOD LEVEL

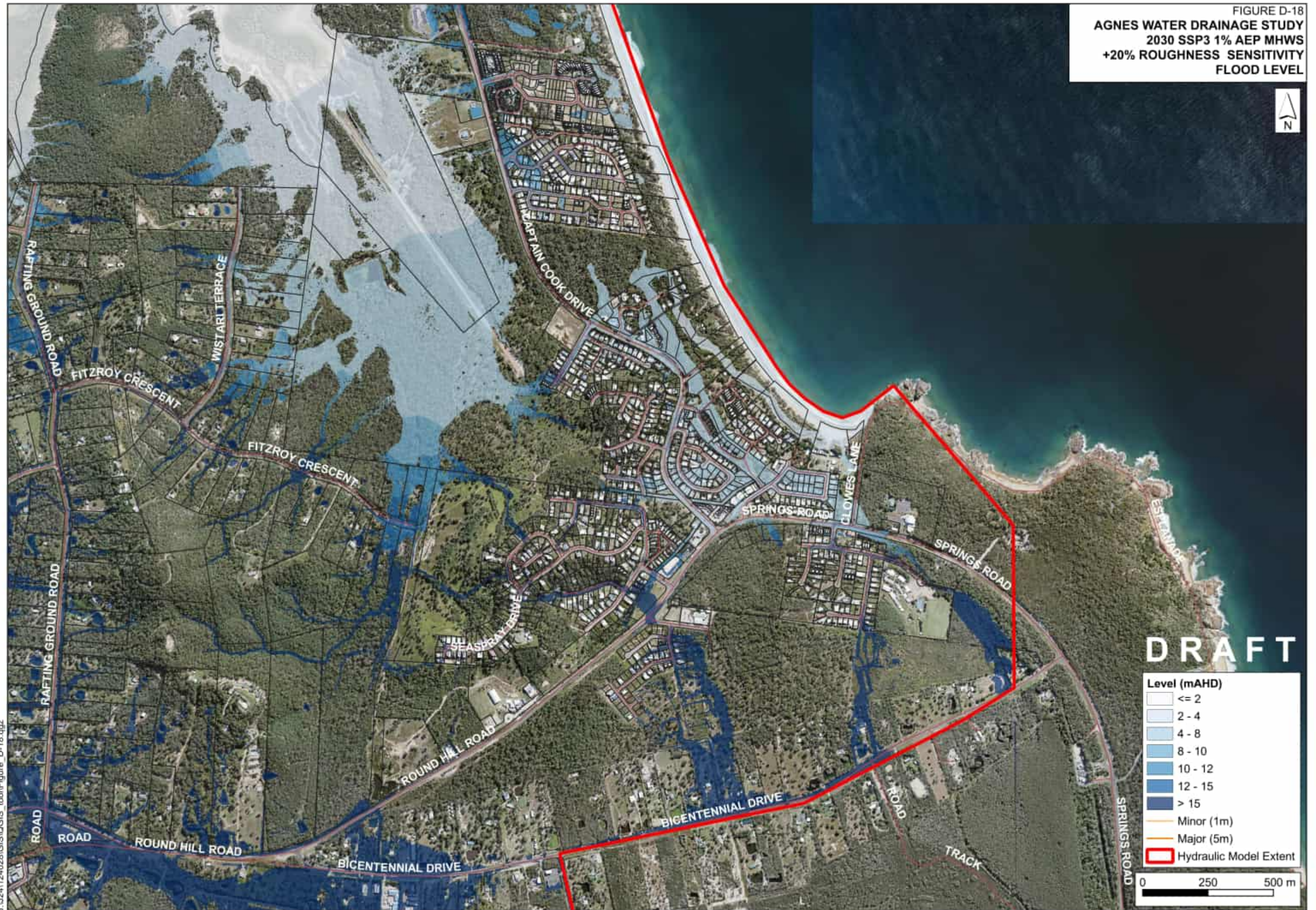
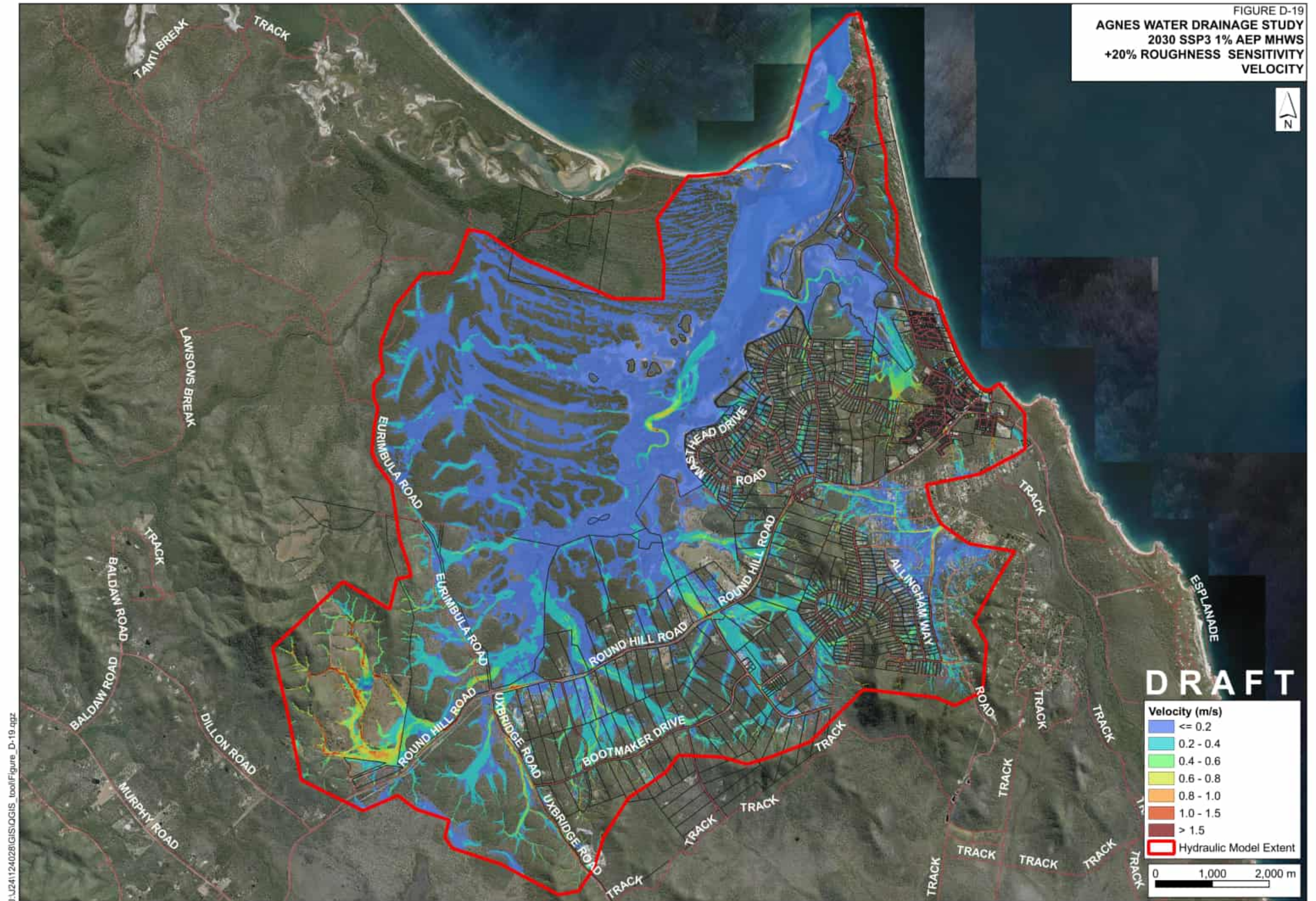
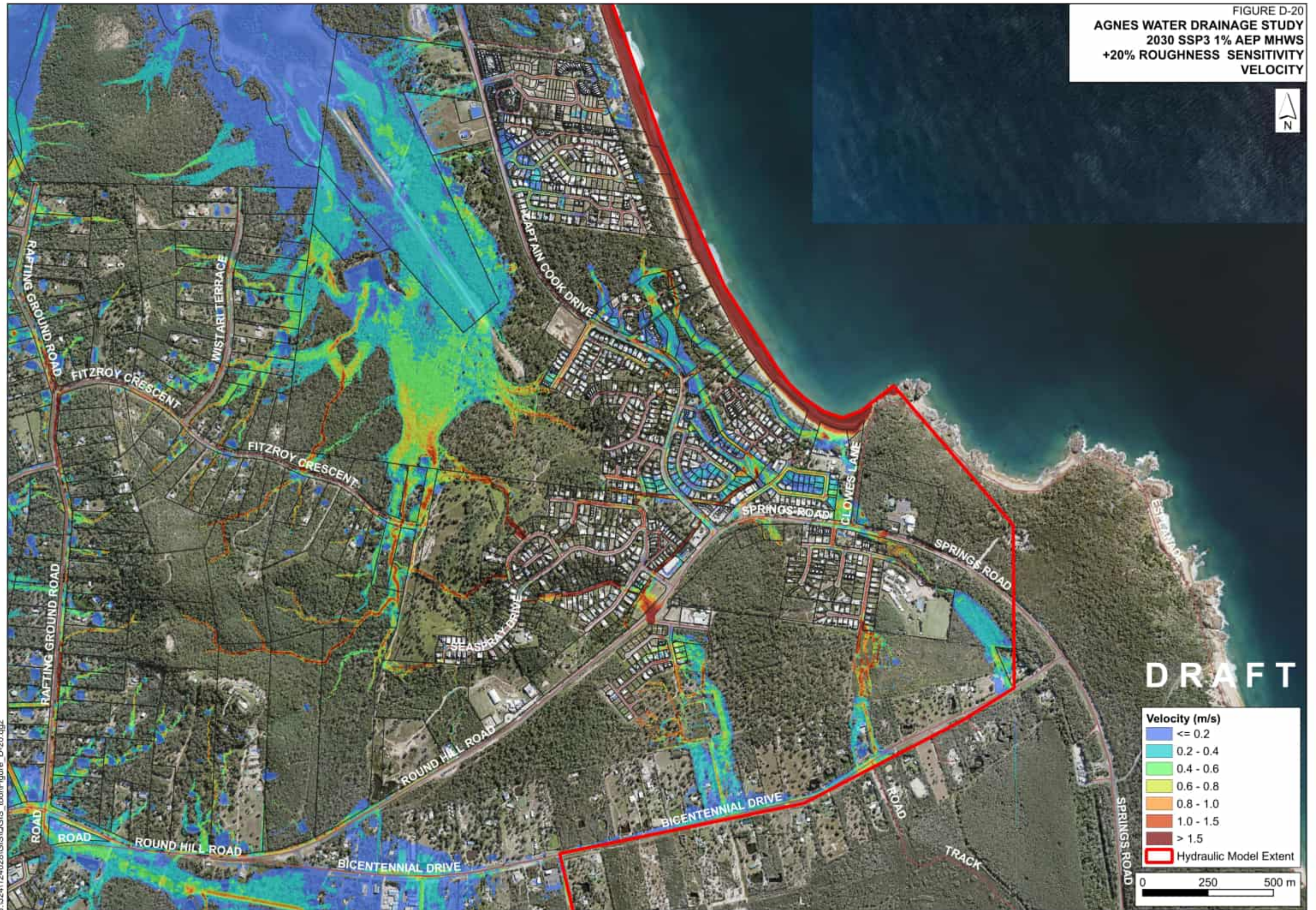


FIGURE D-19
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 +20% ROUGHNESS SENSITIVITY
 VELOCITY



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FIGURE D-20
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
+20% ROUGHNESS SENSITIVITY
VELOCITY



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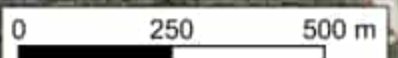
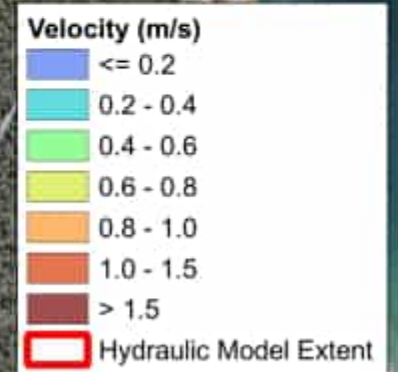


FIGURE D-21
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 +20% ROUGHNESS SENSITIVITY
 VELOCITY X DEPTH



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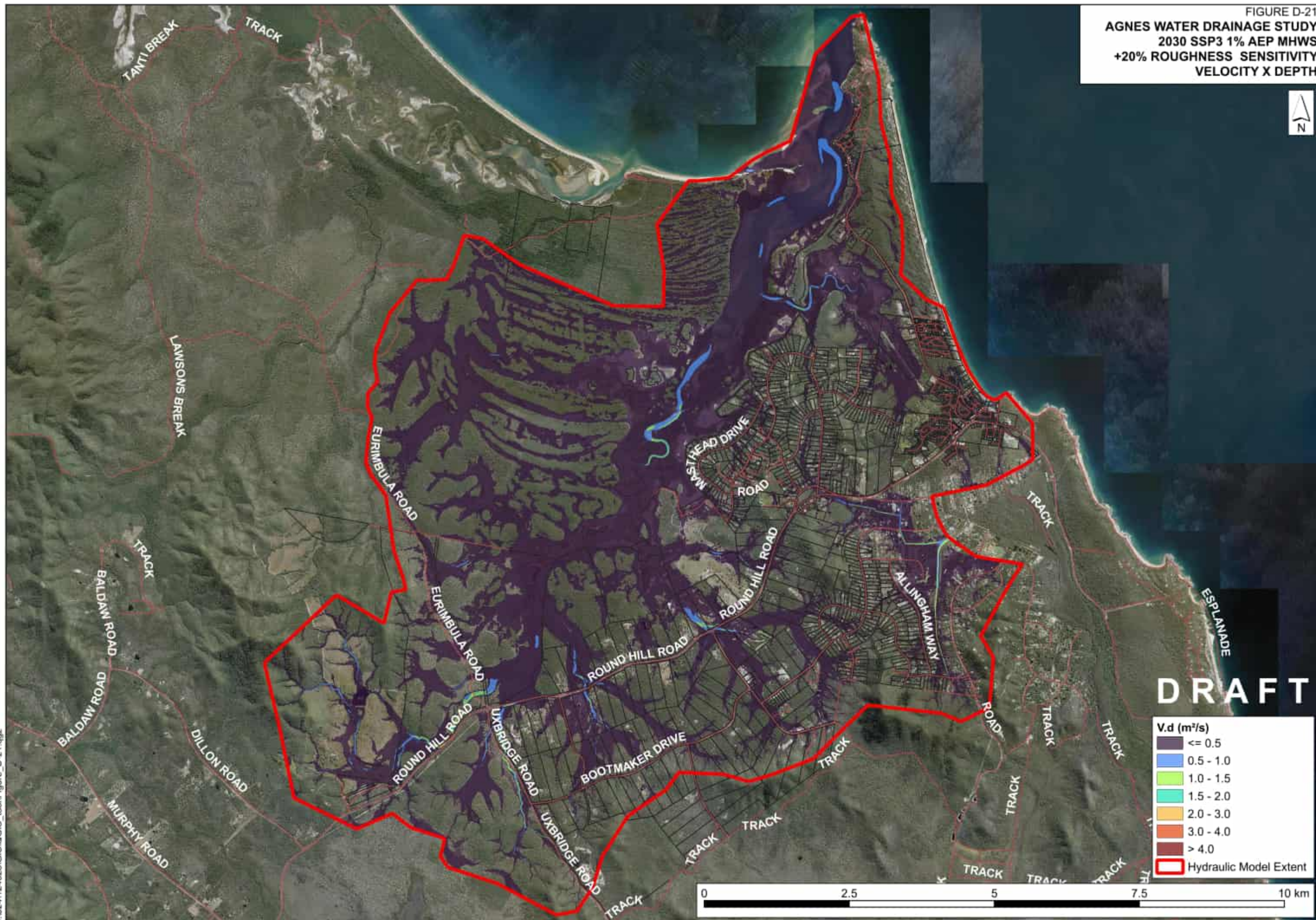
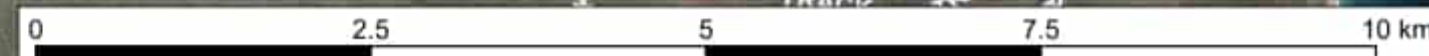
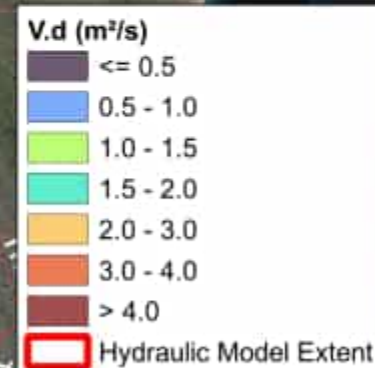
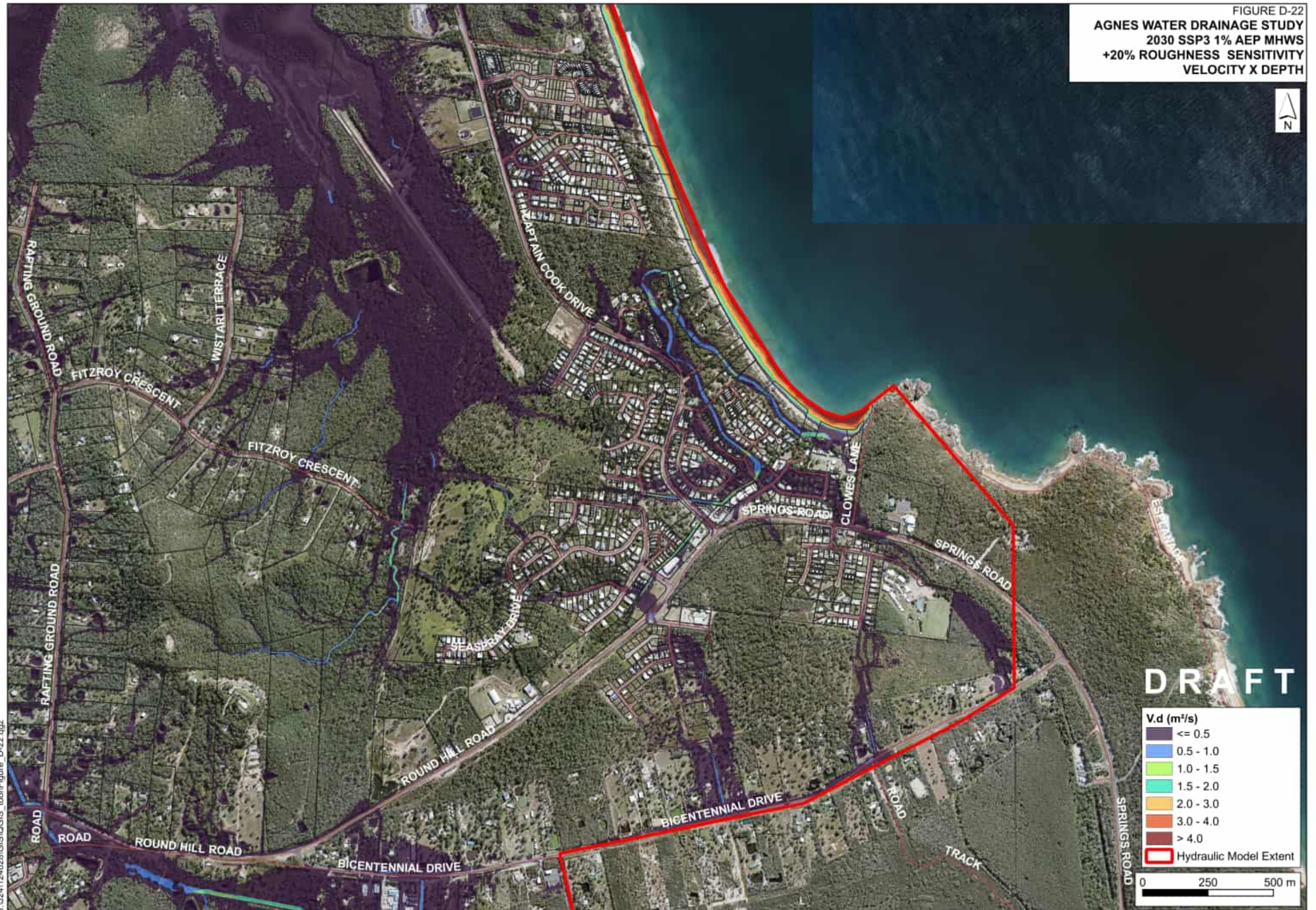
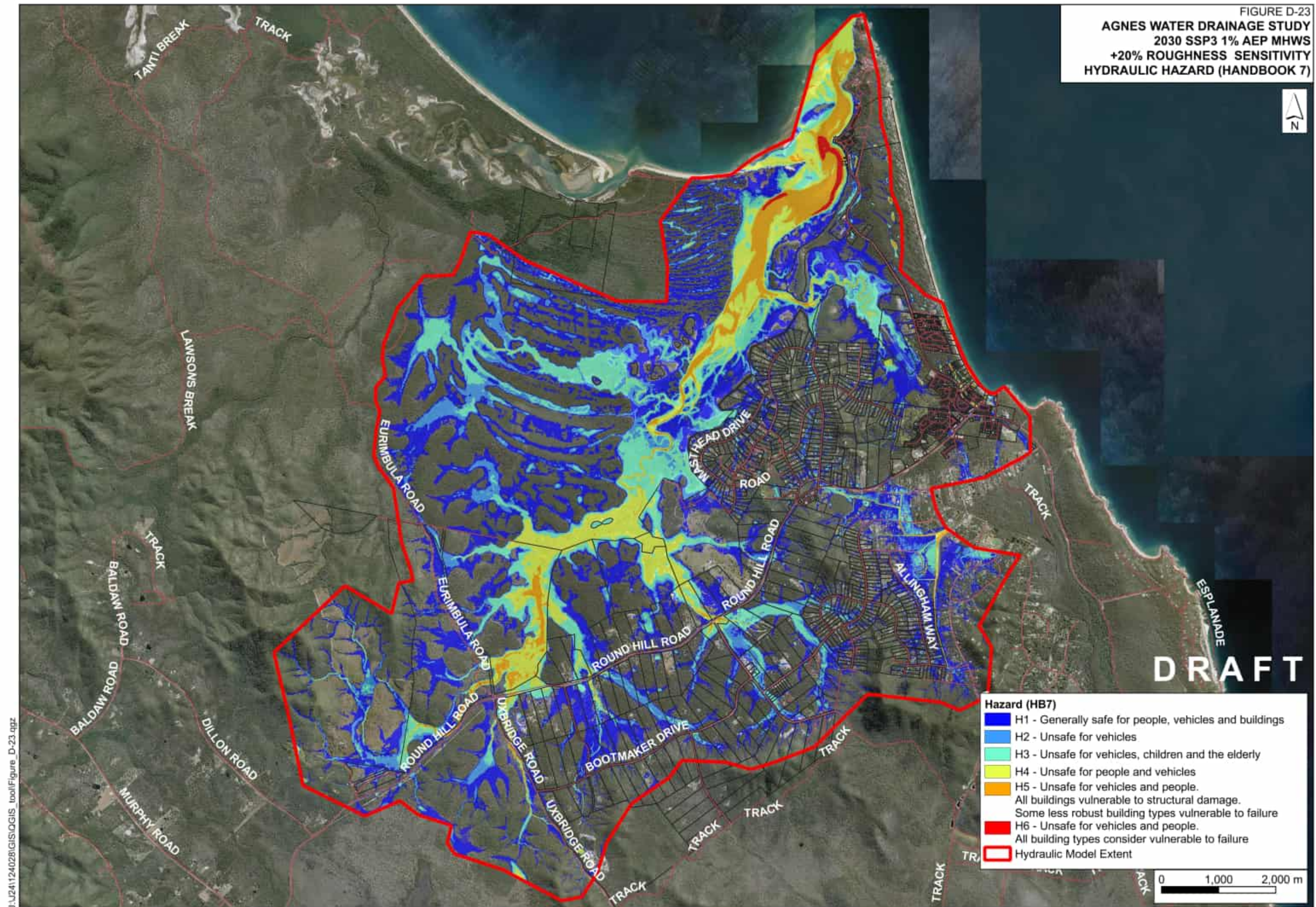


FIGURE D-22
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 +20% ROUGHNESS SENSITIVITY
 VELOCITY X DEPTH



AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
+20% ROUGHNESS SENSITIVITY
HYDRAULIC HAZARD (HANDBOOK 7)

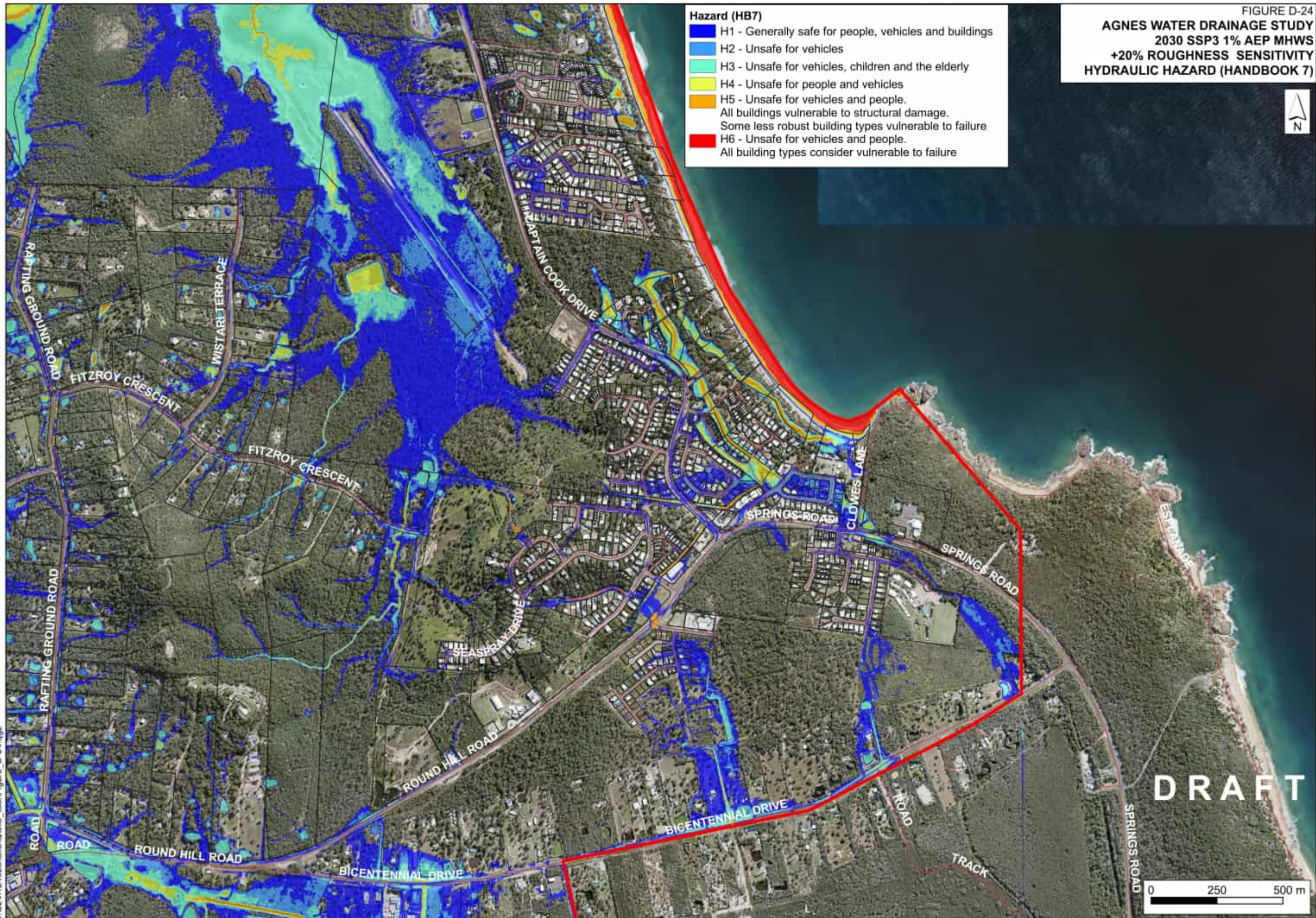


**AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
+20% ROUGHNESS SENSITIVITY
HYDRAULIC HAZARD (HANDBOOK 7)**



Hazard (HB7)

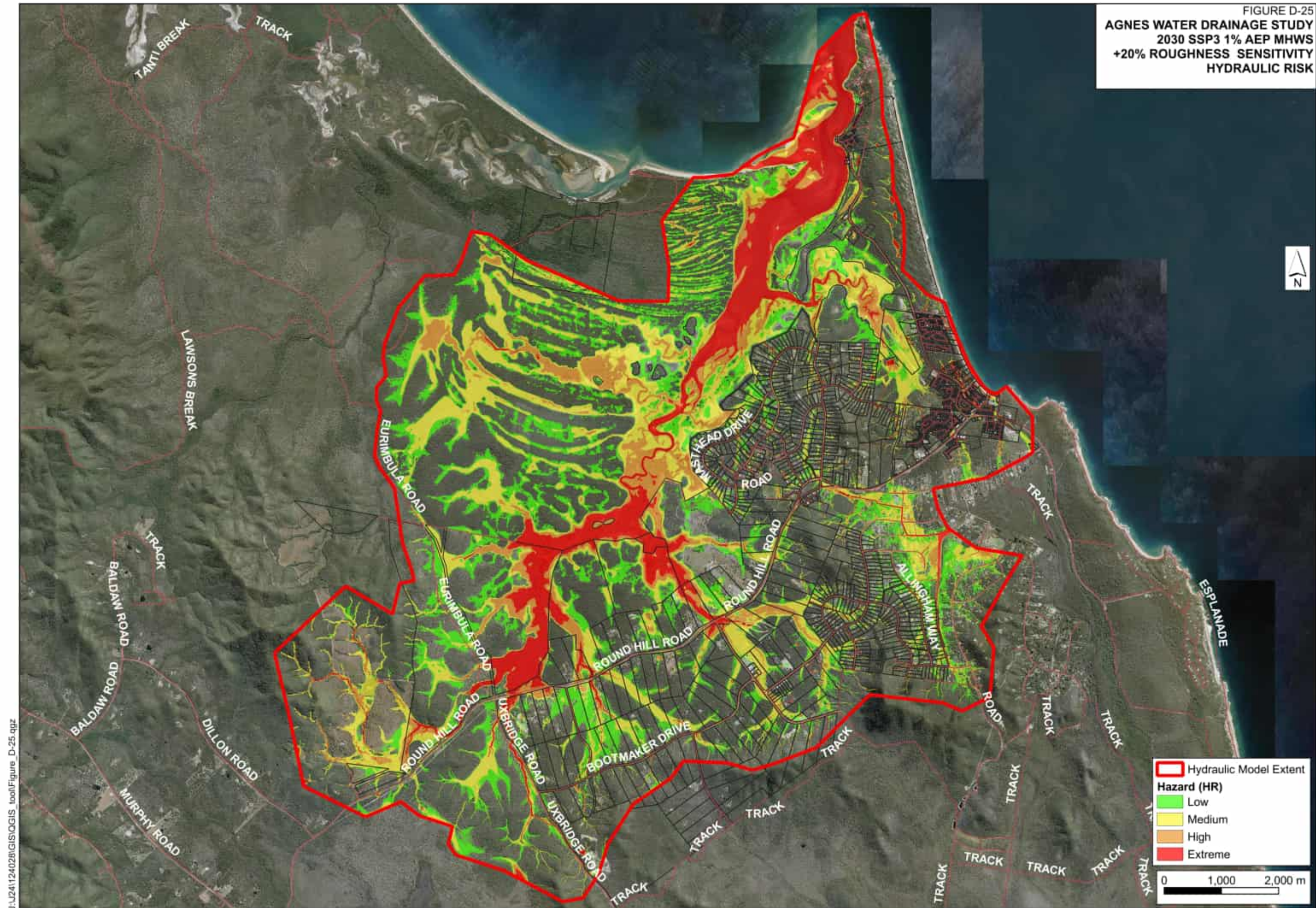
- H1 - Generally safe for people, vehicles and buildings
- H2 - Unsafe for vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for vehicles and people.
All buildings vulnerable to structural damage.
Some less robust building types vulnerable to failure
- H6 - Unsafe for vehicles and people.
All building types consider vulnerable to failure



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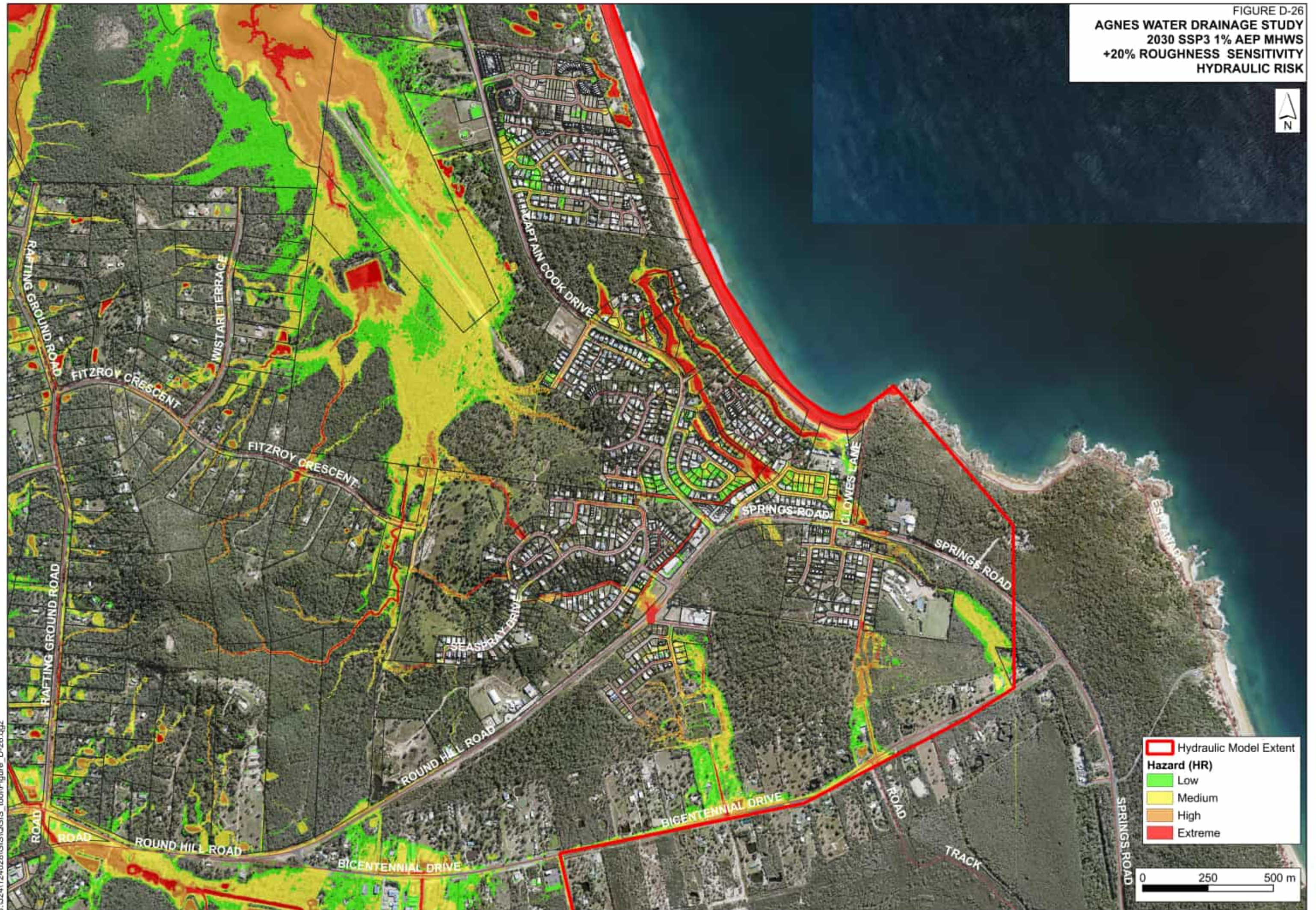
0 250 500 m

FIGURE D-25
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 +20% ROUGHNESS SENSITIVITY
 HYDRAULIC RISK



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FIGURE D-26
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
+20% ROUGHNESS SENSITIVITY
HYDRAULIC RISK



- Hydraulic Model Extent
- Hazard (HR)**
- Low
 - Medium
 - High
 - Extreme

0 250 500 m

FIGURE D-27
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 +20% ROUGHNESS SENSITIVITY
 IMPACT



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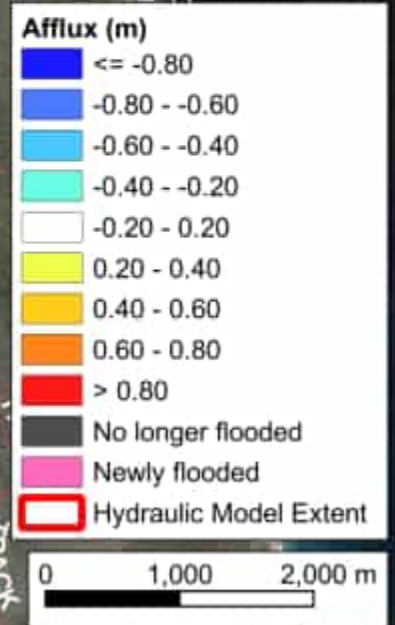


FIGURE D-28
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 +20% ROUGHNESS SENSITIVITY
 IMPACT



DRAFT

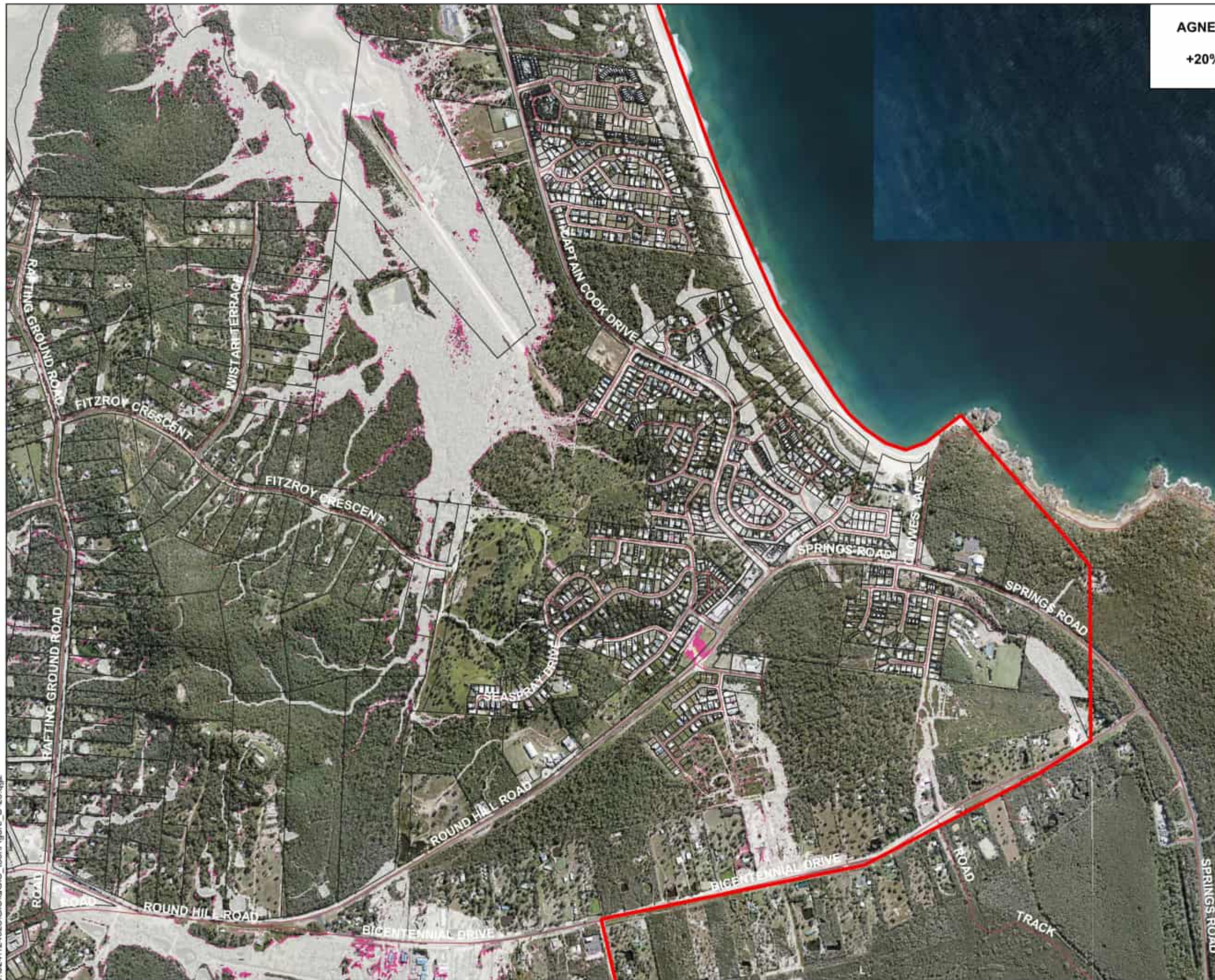


FIGURE D-29
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 -20% ROUGHNESS SENSITIVITY
 FLOOD DEPTH



DRAFT

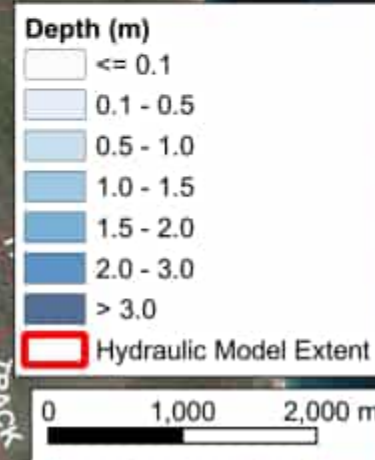


FIGURE D-30
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
-20% ROUGHNESS SENSITIVITY
FLOOD DEPTH





FIGURE D-32
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 -20% ROUGHNESS SENSITIVITY
 FLOOD LEVEL



DRAFT

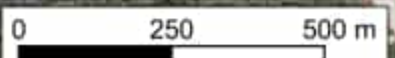
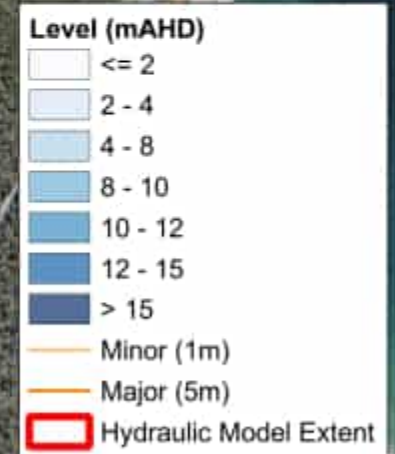


FIGURE D-33
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 -20% ROUGHNESS SENSITIVITY
 VELOCITY

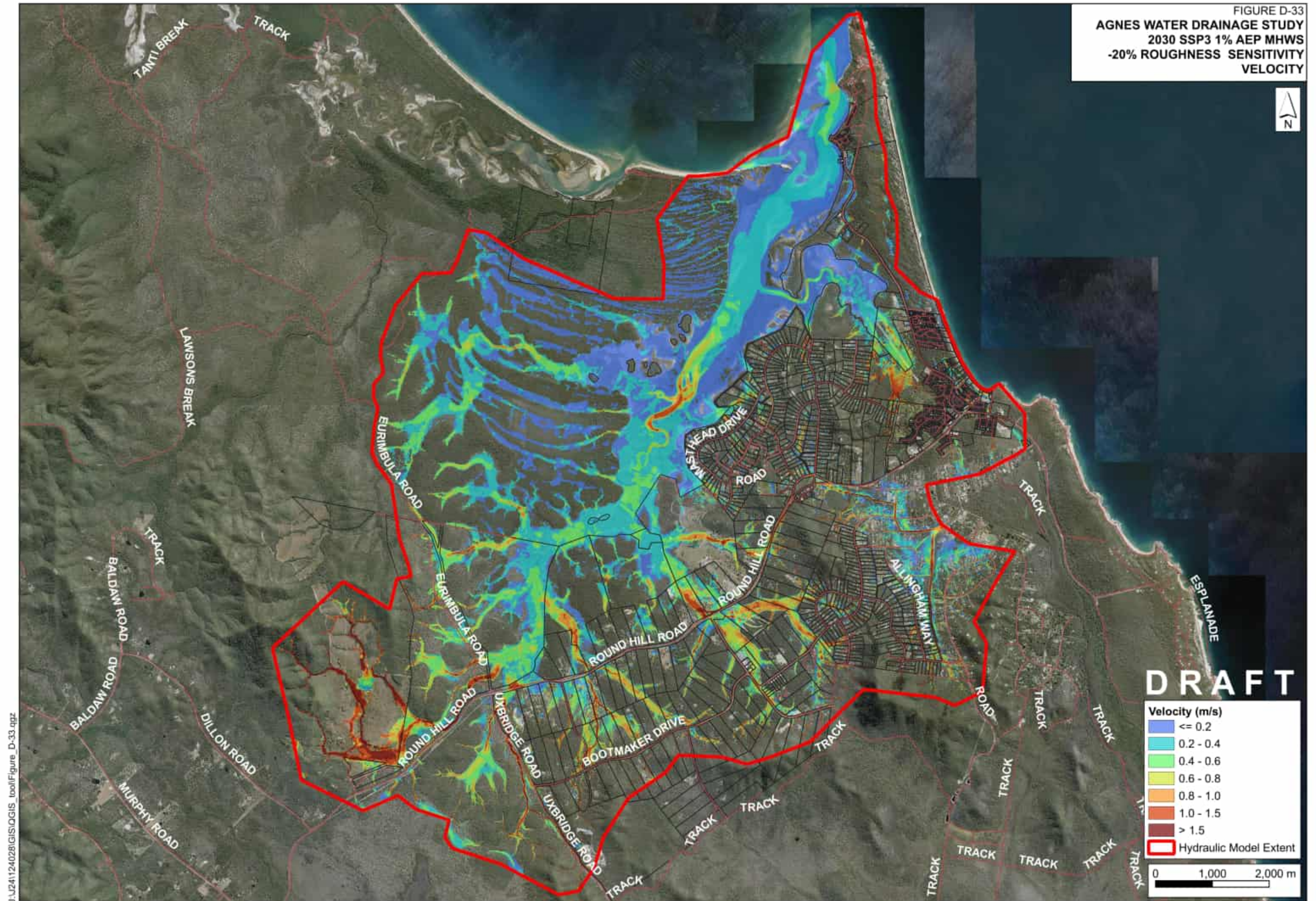


FIGURE D-34
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
-20% ROUGHNESS SENSITIVITY
VELOCITY

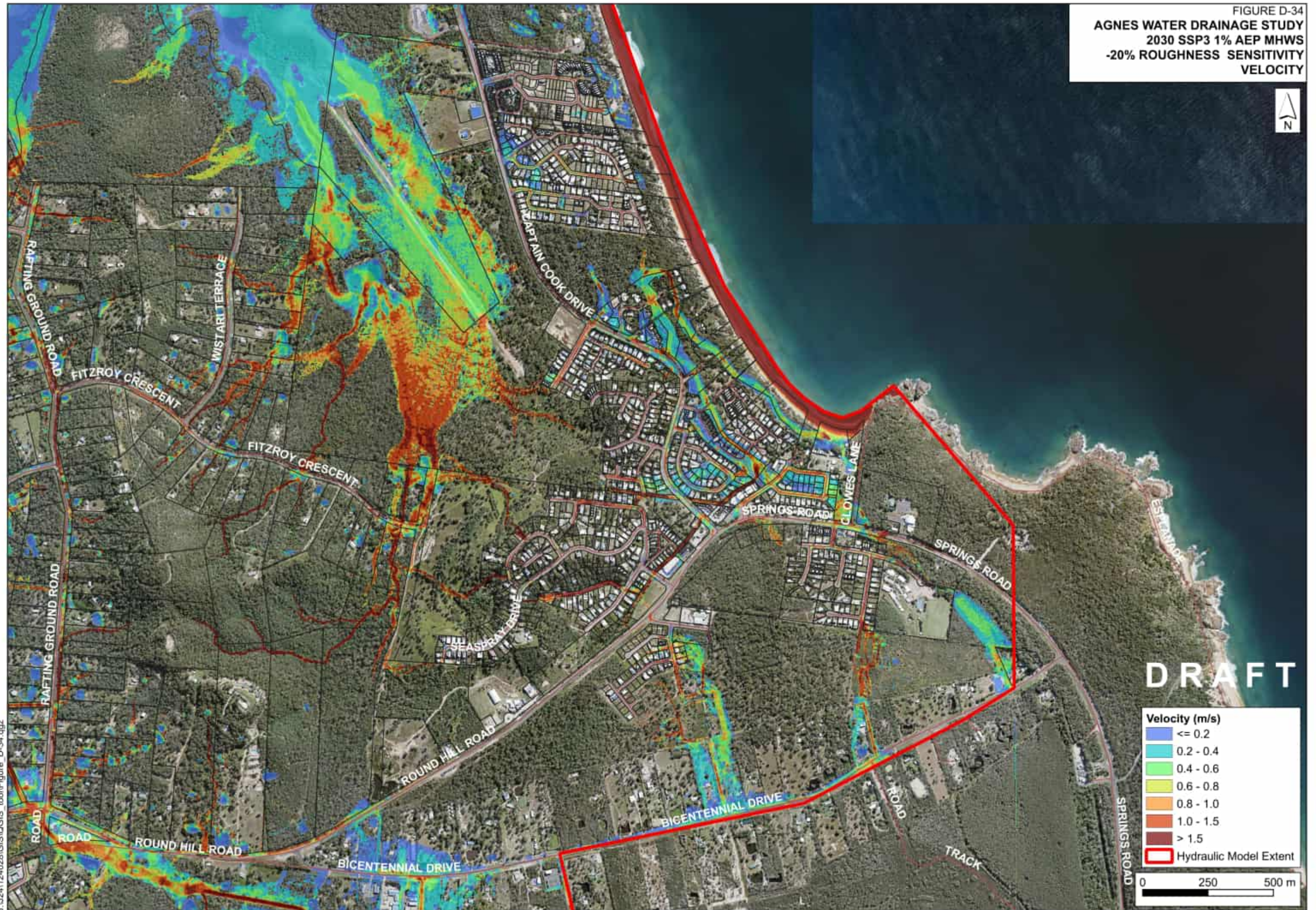


FIGURE D-35
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 -20% ROUGHNESS SENSITIVITY
 VELOCITY X DEPTH



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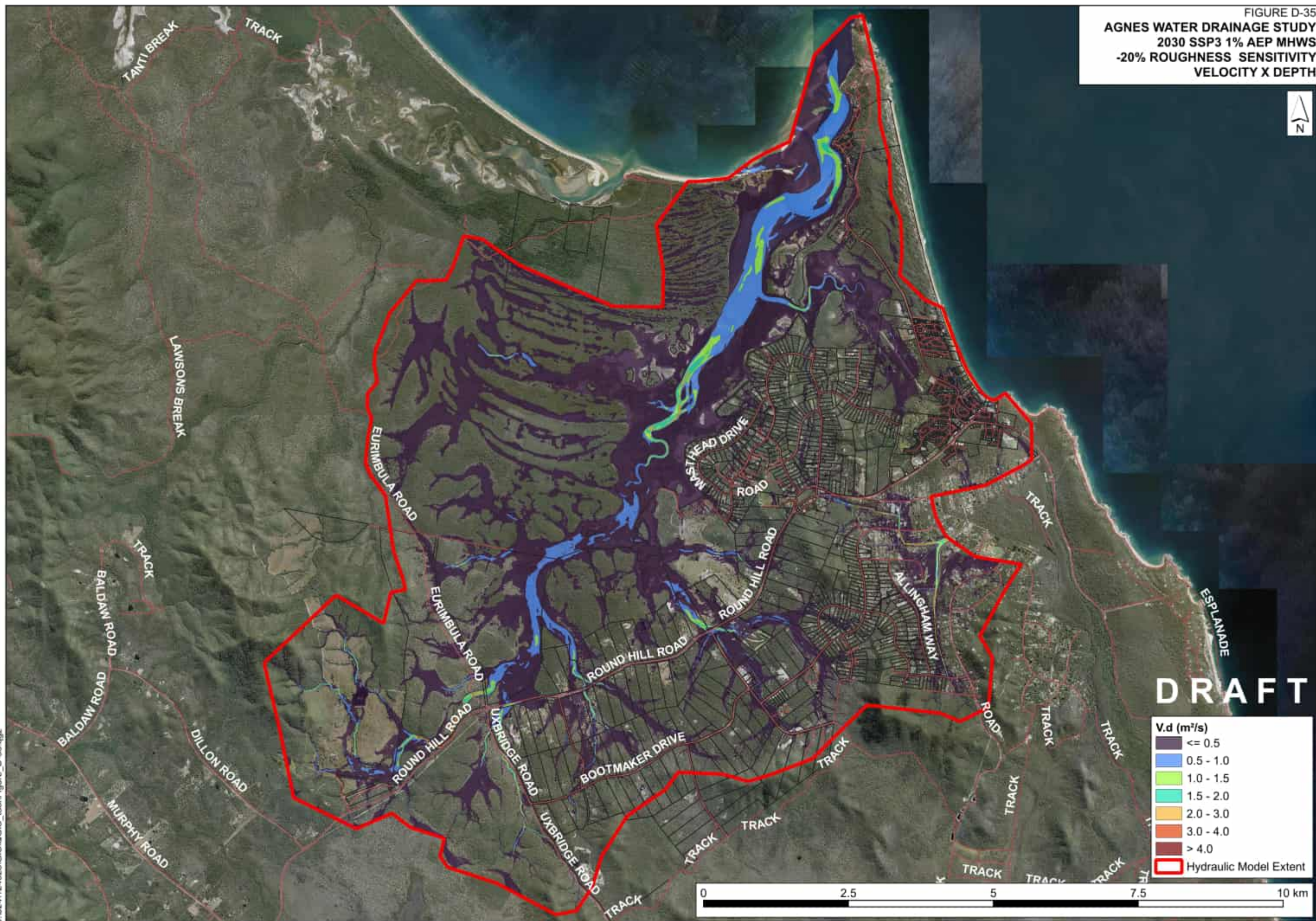
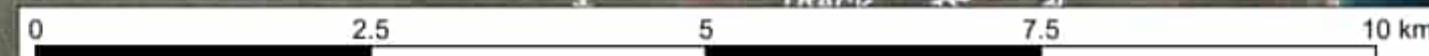
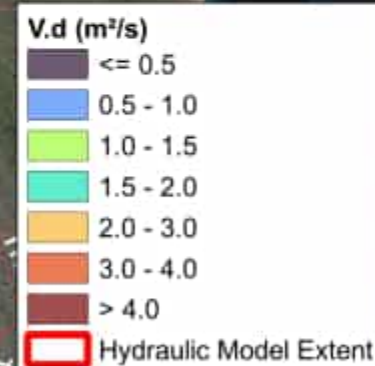


FIGURE D-36
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 -20% ROUGHNESS SENSITIVITY
 VELOCITY X DEPTH

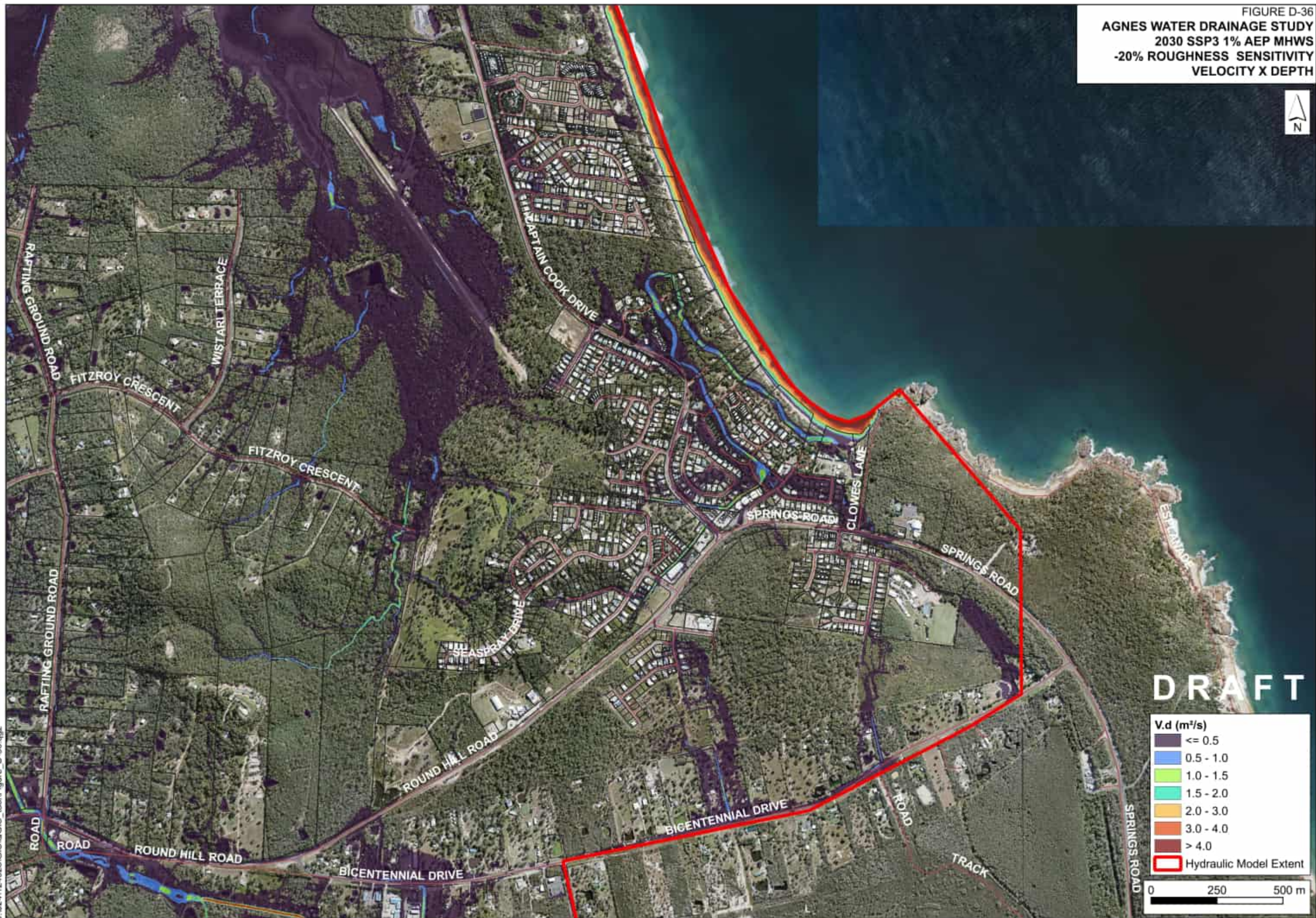


FIGURE D-37
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 -20% ROUGHNESS SENSITIVITY
 HYDRAULIC HAZARD (HANDBOOK 7)



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- Hazard (HB7)**
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 - H2 - Unsafe for vehicles
 - H3 - Unsafe for vehicles, children and the elderly
 - H4 - Unsafe for people and vehicles
 - H5 - Unsafe for vehicles and people.
All buildings vulnerable to structural damage.
Some less robust building types vulnerable to failure
 - H6 - Unsafe for vehicles and people.
All building types consider vulnerable to failure
 - Hydraulic Model Extent

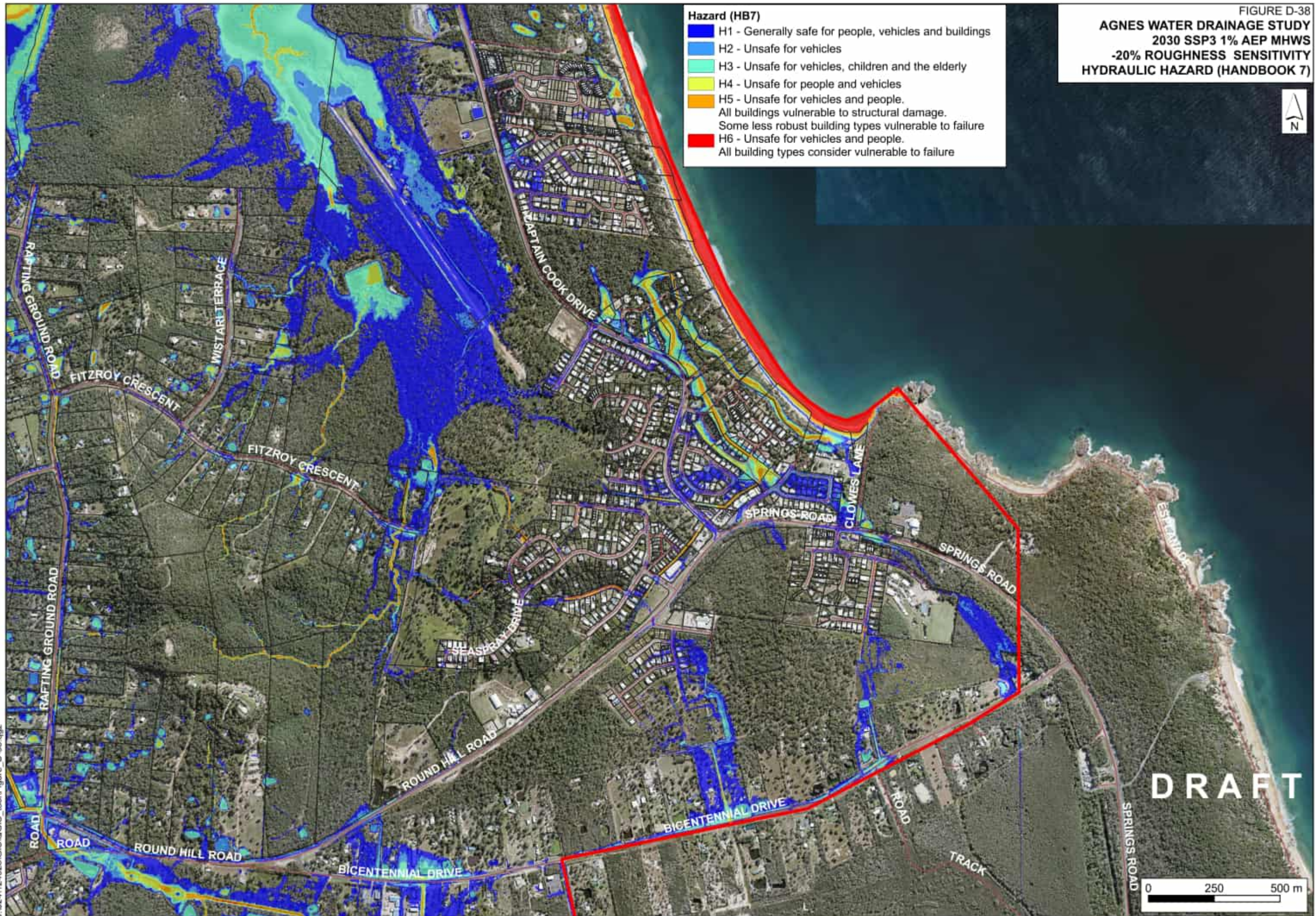
0 1,000 2,000 m

**AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
-20% ROUGHNESS SENSITIVITY
HYDRAULIC HAZARD (HANDBOOK 7)**



Hazard (HB7)

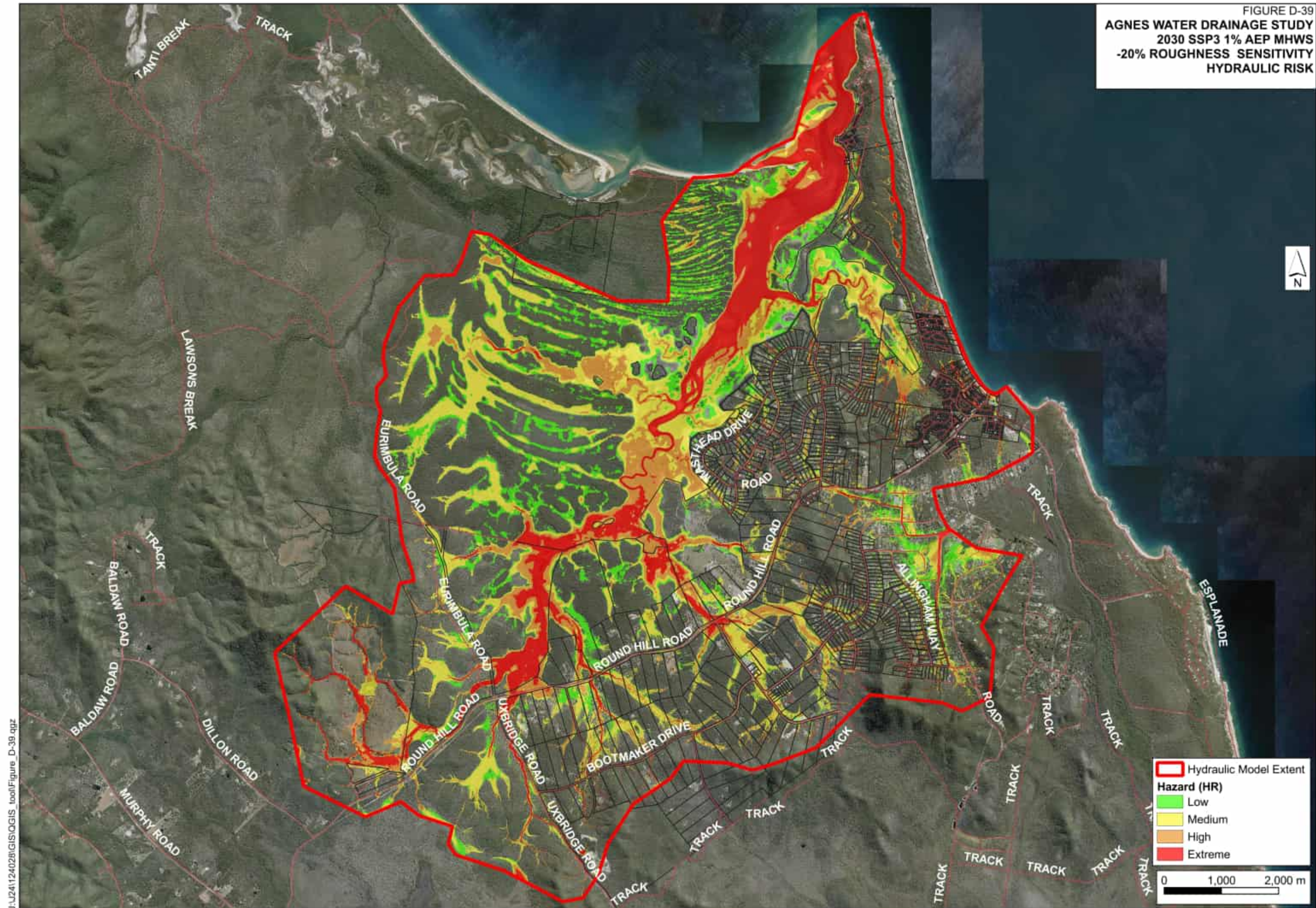
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- H2 - Unsafe for vehicles
- H3 - Unsafe for vehicles, children and the elderly
- H4 - Unsafe for people and vehicles
- H5 - Unsafe for vehicles and people.
All buildings vulnerable to structural damage.
Some less robust building types vulnerable to failure
- H6 - Unsafe for vehicles and people.
All building types consider vulnerable to failure



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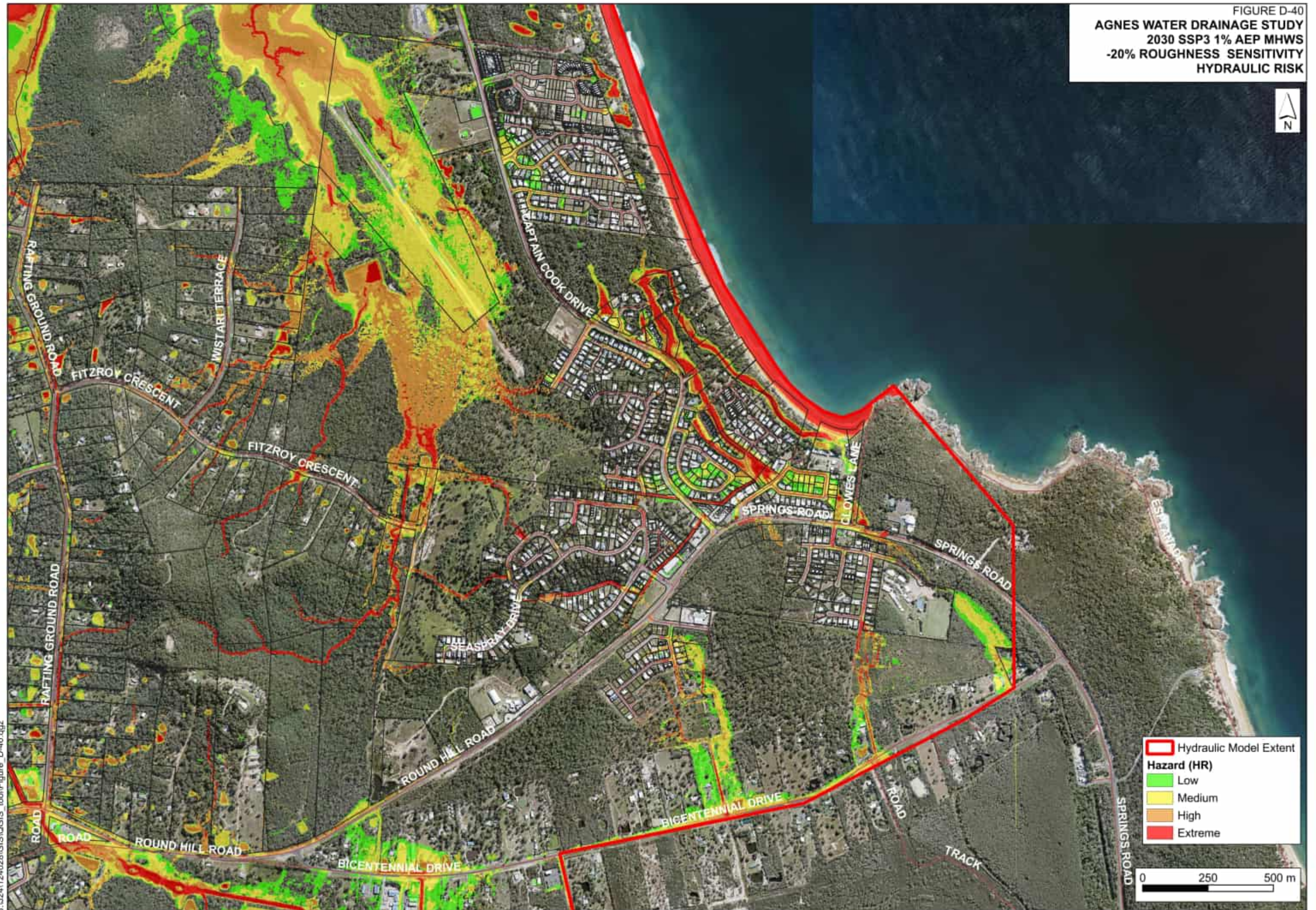
0 250 500 m

FIGURE D-39
 AGNES WATER DRAINAGE STUDY
 2030 SSP3 1% AEP MHWS
 -20% ROUGHNESS SENSITIVITY
 HYDRAULIC RISK



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FIGURE D-40
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
-20% ROUGHNESS SENSITIVITY
HYDRAULIC RISK





0 1,000 2,000 m

FIGURE D-42
AGNES WATER DRAINAGE STUDY
2030 SSP3 1% AEP MHWS
-20% ROUGHNESS SENSITIVITY
IMPACT



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