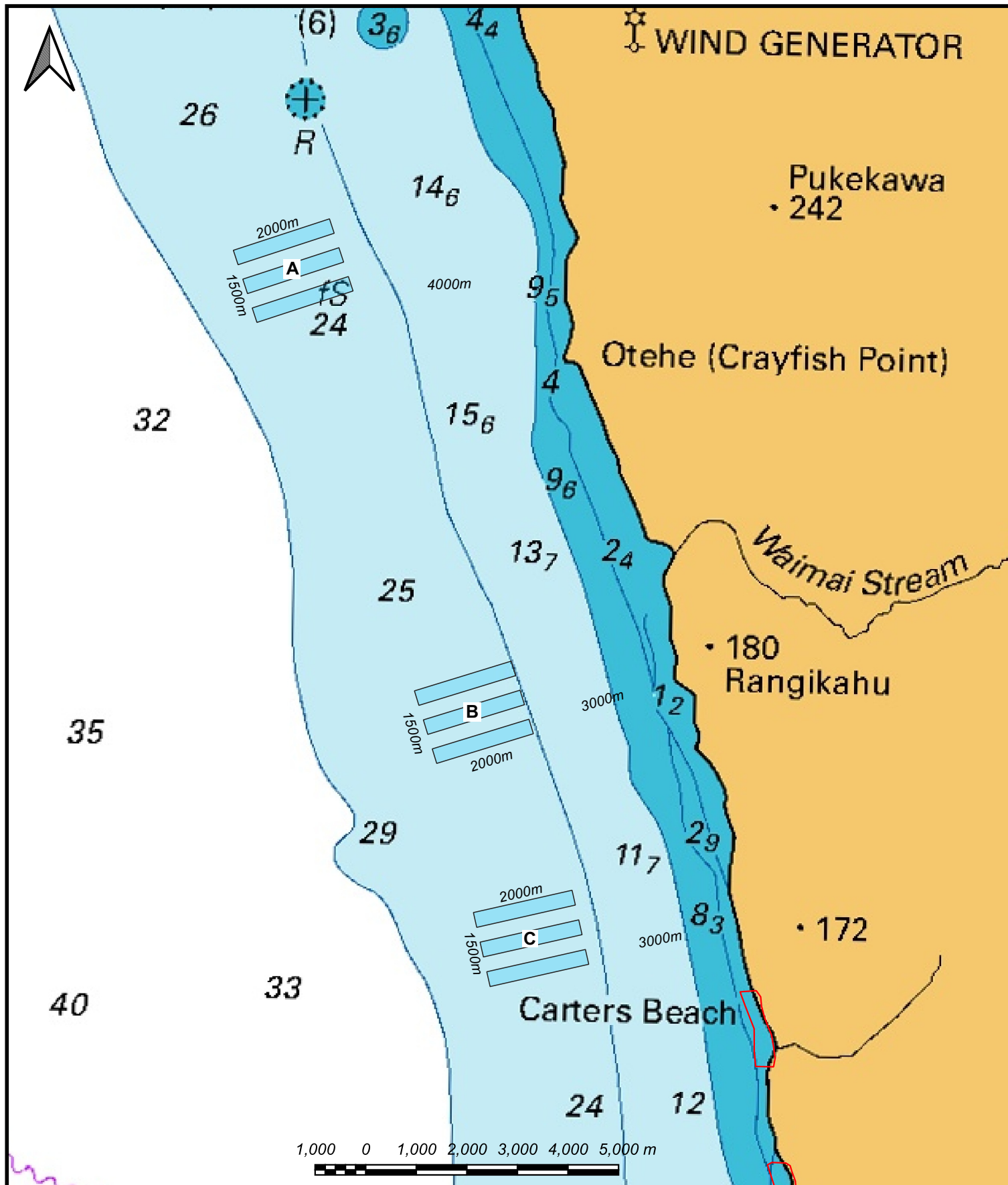




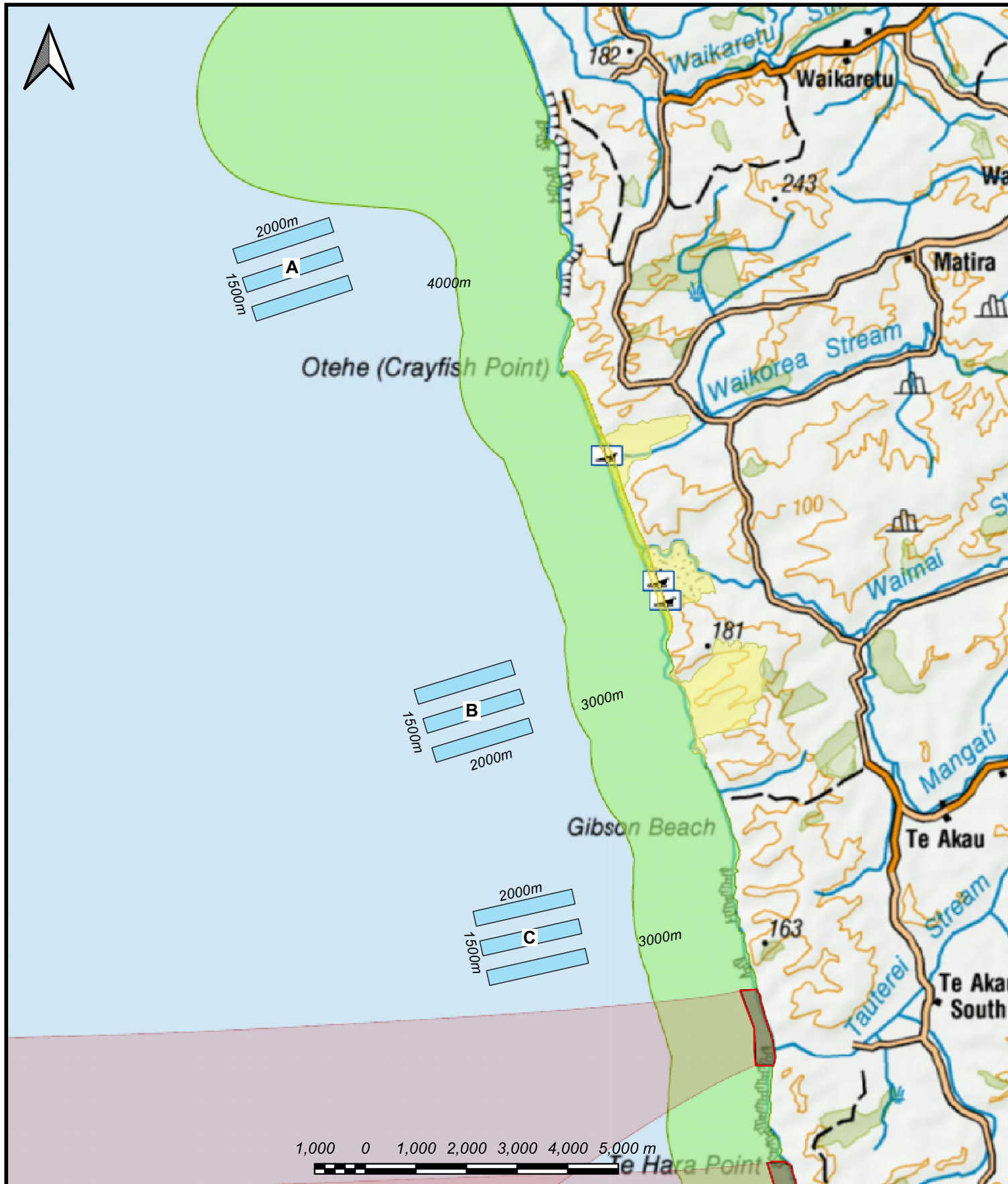
Base Hydro Chart image sourced from LINZ Data Service and licensed for reuse under Creative Commons Attribution 4.0 International Licence (www.data.linz.govt.nz).

NWM Spat Catching Blocks A-C



AQUACULTURE
DIRECT

Prepared 4 May 2023



Legend

Significant Indigenous Biodiversity Areas A and B

- SIBA-A
- SIBA-B
- Sites and areas of significance to Māori
- Outstanding Natural Character Areas

Nationally Significant Surf Break Swell Corridors

- Nationally Significant Surf Breaks
- Regionally Significant Surf Breaks
- Regionally Significant Surf Break Swell Corridors
- Nationally Significant Surf Break Swell Corridors

Historic Heritage

- Heritage Site
- ▲ Heritage Structure
- Shipwreck

Mātaihai Reserves

- Very High
- High

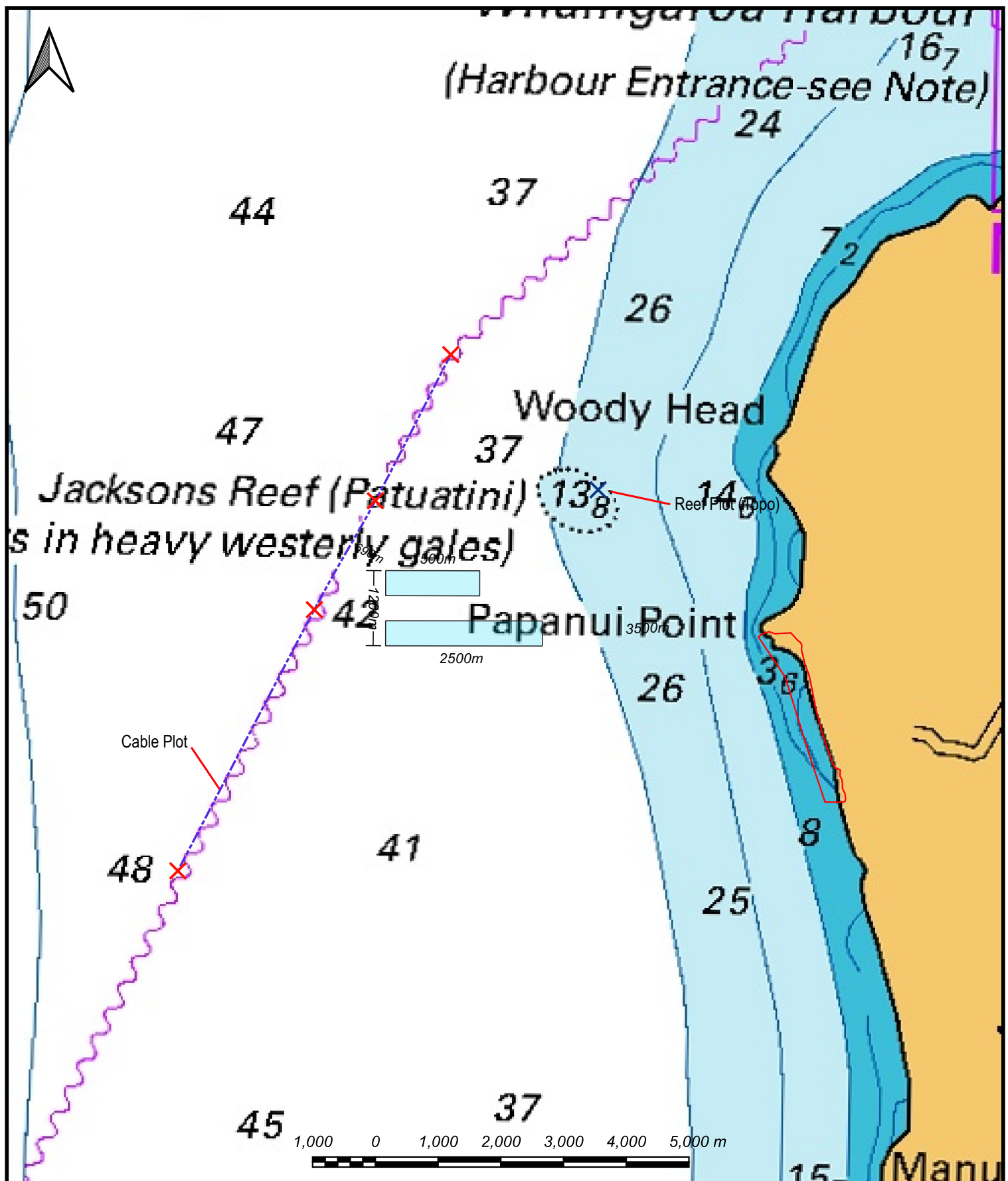
Base map sourced from Waikato Regional Council
Local Maps - Draft Regional Coastal Plan

NWM Spat Catching Blocks A-C



AQUACULTURE
DIRECT

Prepared 4 May 2023



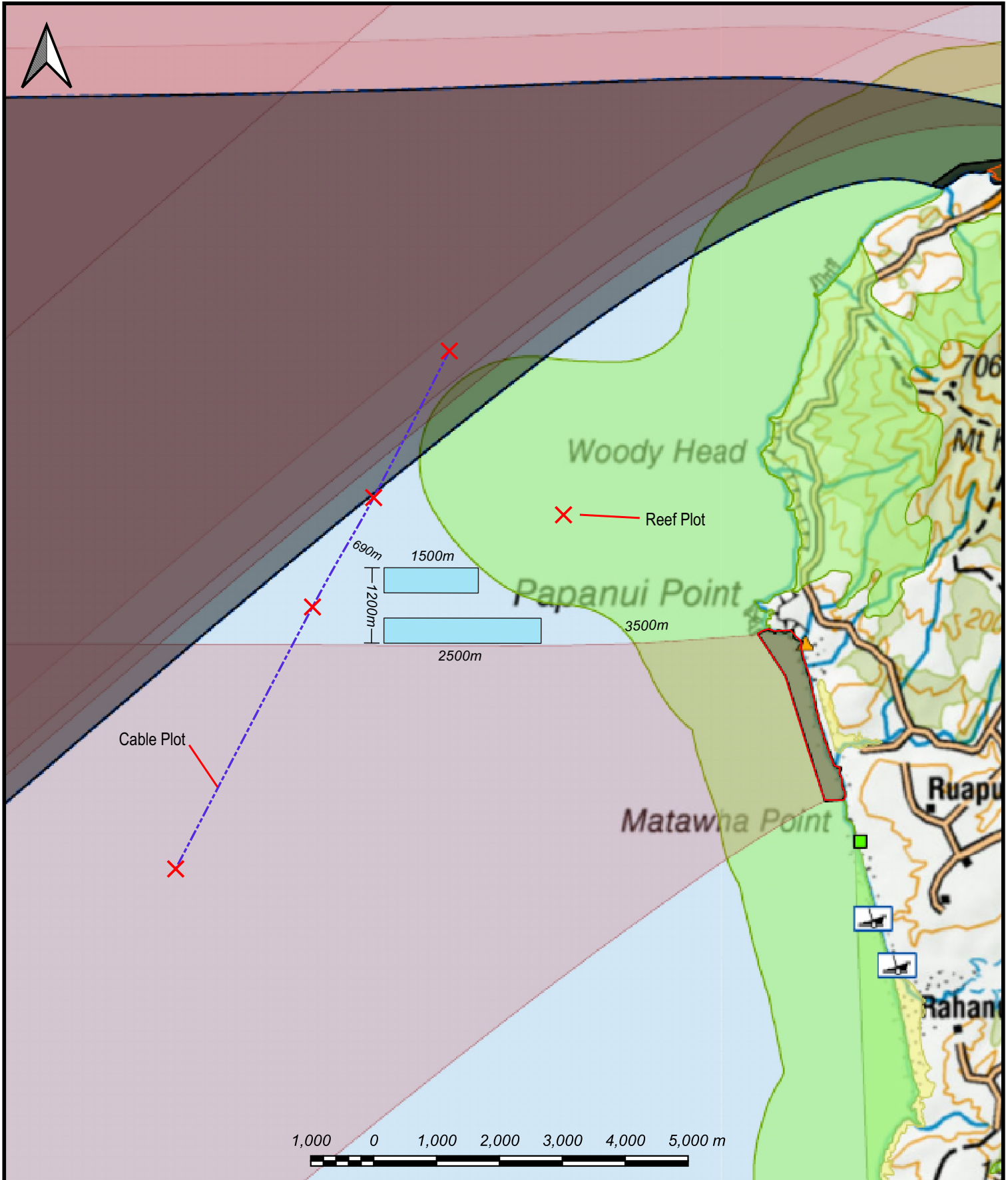
Base Hydro Chart image sourced from LINZ Data Service and licensed for reuse under Creative Commons Attribution 4.0 International Licence (www.data.linz.govt.nz).

NWM Spat Catching Block D



AQUACULTURE
DIRECT

Prepared 4 May 2023



Legend

Significant Indigenous Biodiversity Areas A and B

- SIBA-A
- SIBA-B
- Sites and areas of significance to Māori
- Outstanding Natural Character Areas

Nationally Significant Surf Break Swell Corridors

- Nationally Significant Surf Breaks
- Regionally Significant Surf Breaks
- Regionally Significant Surf Break Swell Corridors
- Nationally Significant Surf Break Swell Corridors

Historic Heritage

- Heritage Site
- Heritage Structure
- Shipwreck
- Mātaihai Reserves
- Very High
- High

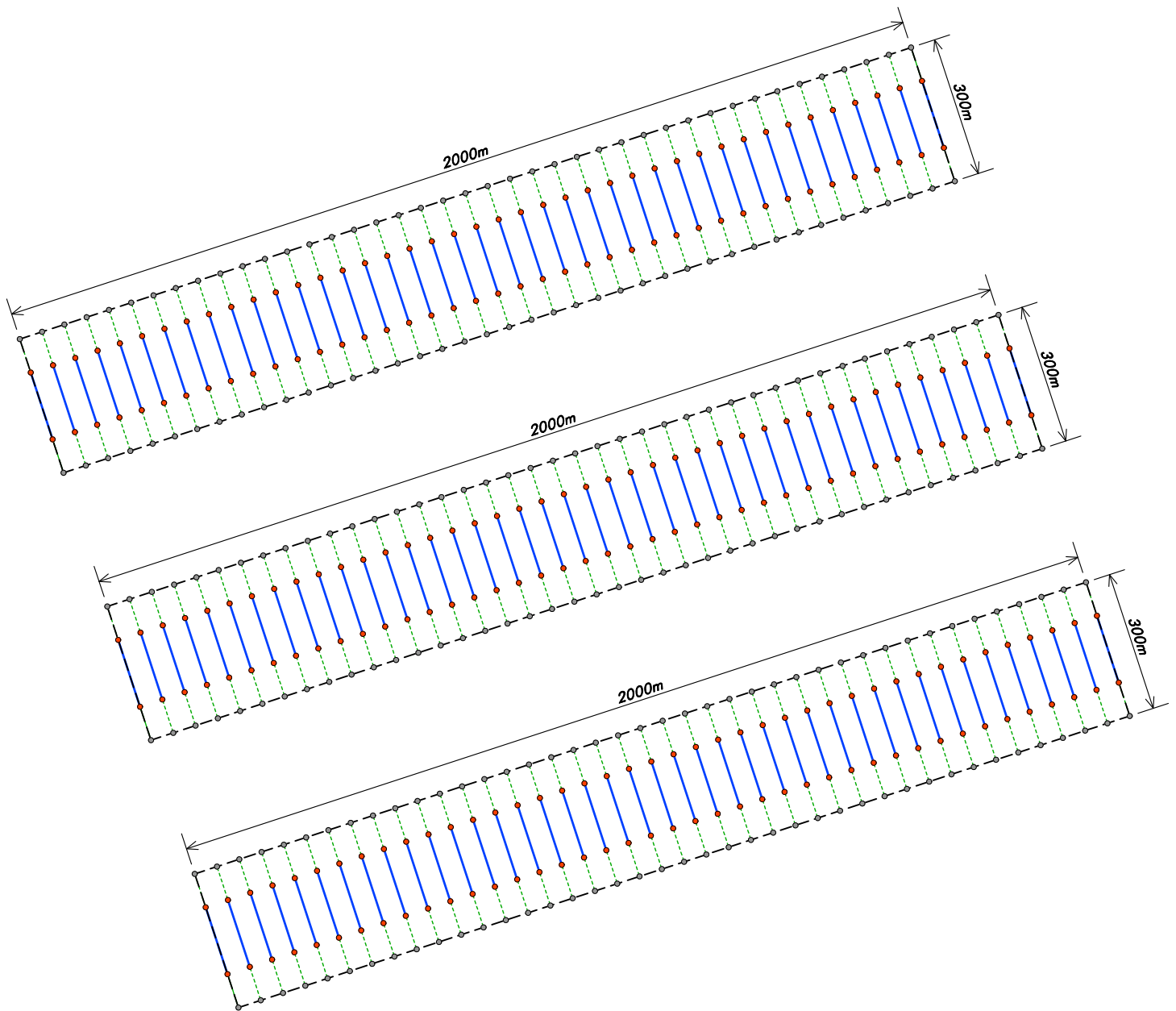
Base map sourced from Waikato Regional Council
Local Maps - Draft Regional Coastal Plan

NWM Spat Catching Block D



AQUACULTURE
DIRECT

Prepared 3 May 2023



Block A
 Total Longlines = 123
 Longline Spacing = 50m
 Backbone length = 130m - 150m

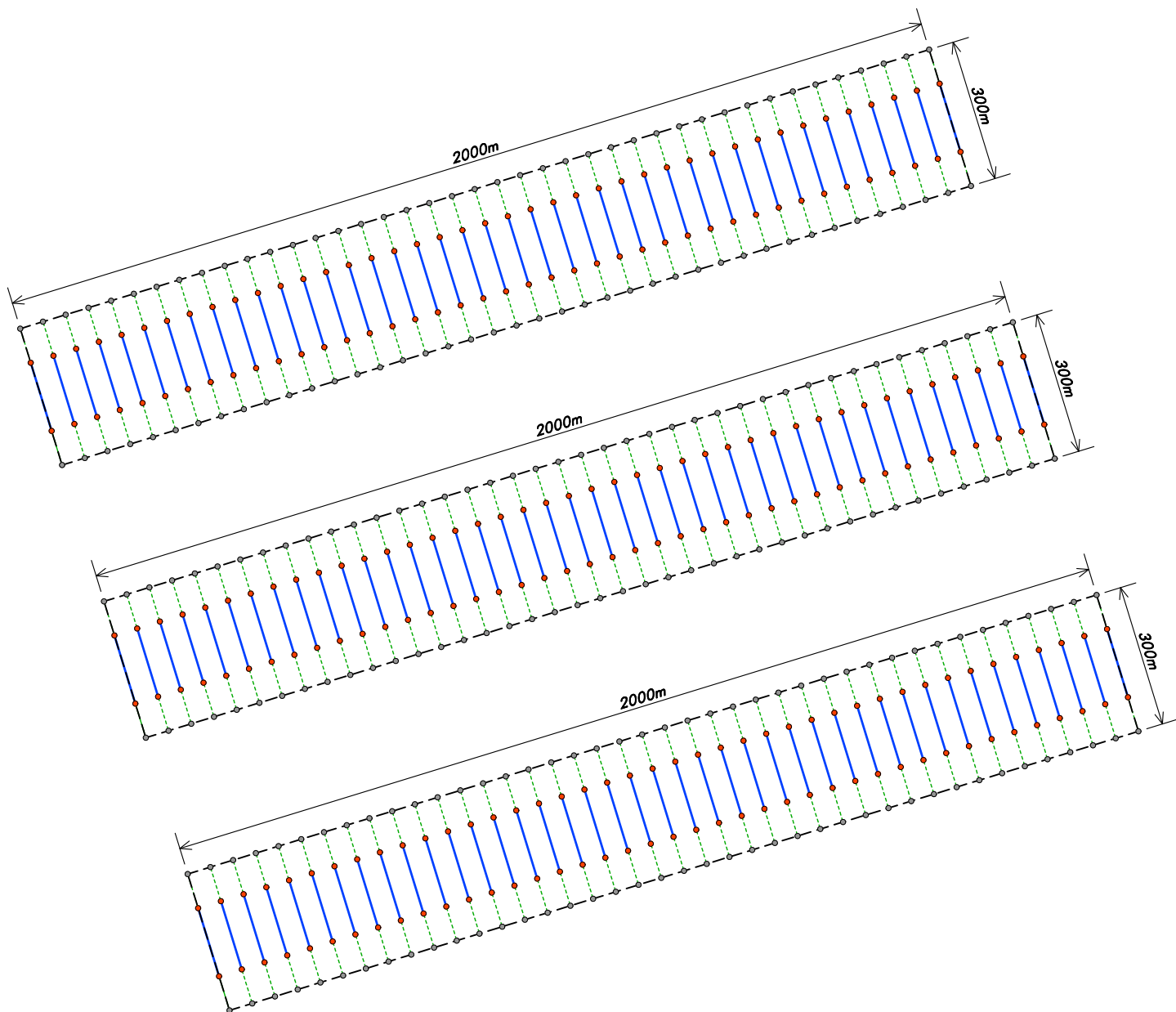
REFERENCE
 --- Block Boundary
 • Orange End Float
 --- Backbone
 --- Warp
 • Anchor



15 November 2022
 MF_2874b

NWM Spat Catching Proposed Structure Layout Block A West Waikato

SCALE 1:13,000
 150 0 150 300 450 600 750 900 metres



Block B
 Total Longlines = 123
 Longline Spacing = 50m
 Backbone length = 130m - 150m

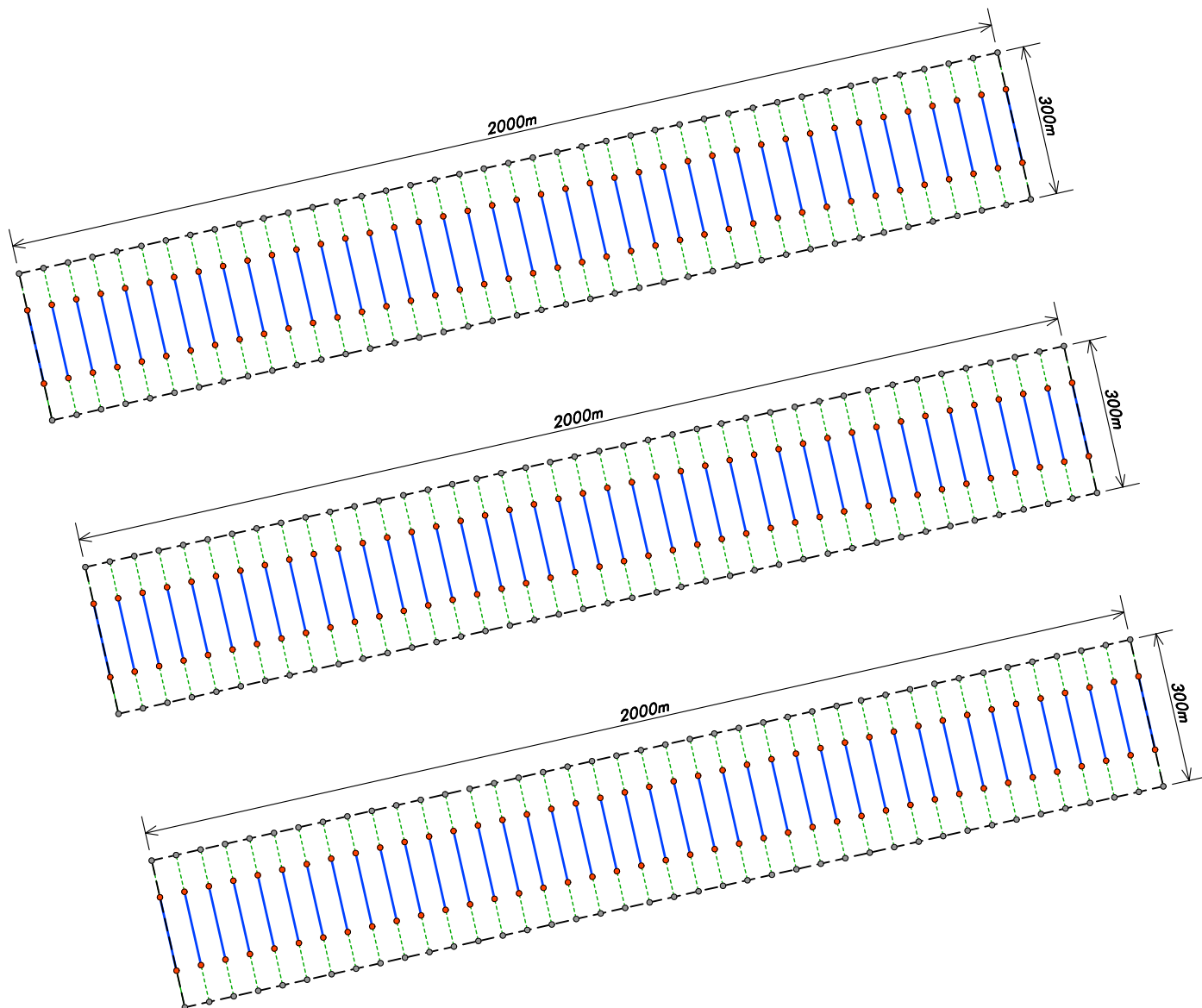
REFERENCE
 --- Block Boundary
 • Orange End Float
 --- Backbone
 --- Warp
 • Anchor



NWM Spat Catching Proposed Structure Layout Block B West Waikato

15 November 2022
 MF_2874b

SCALE 1:13,000
 150 0 150 300 450 600 750 900 metres



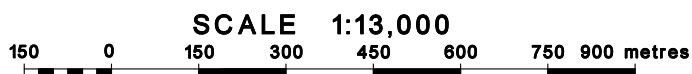
Block C
 Total Longlines = 123
 Longline Spacing = 50m
 Backbone length = 130m - 150m

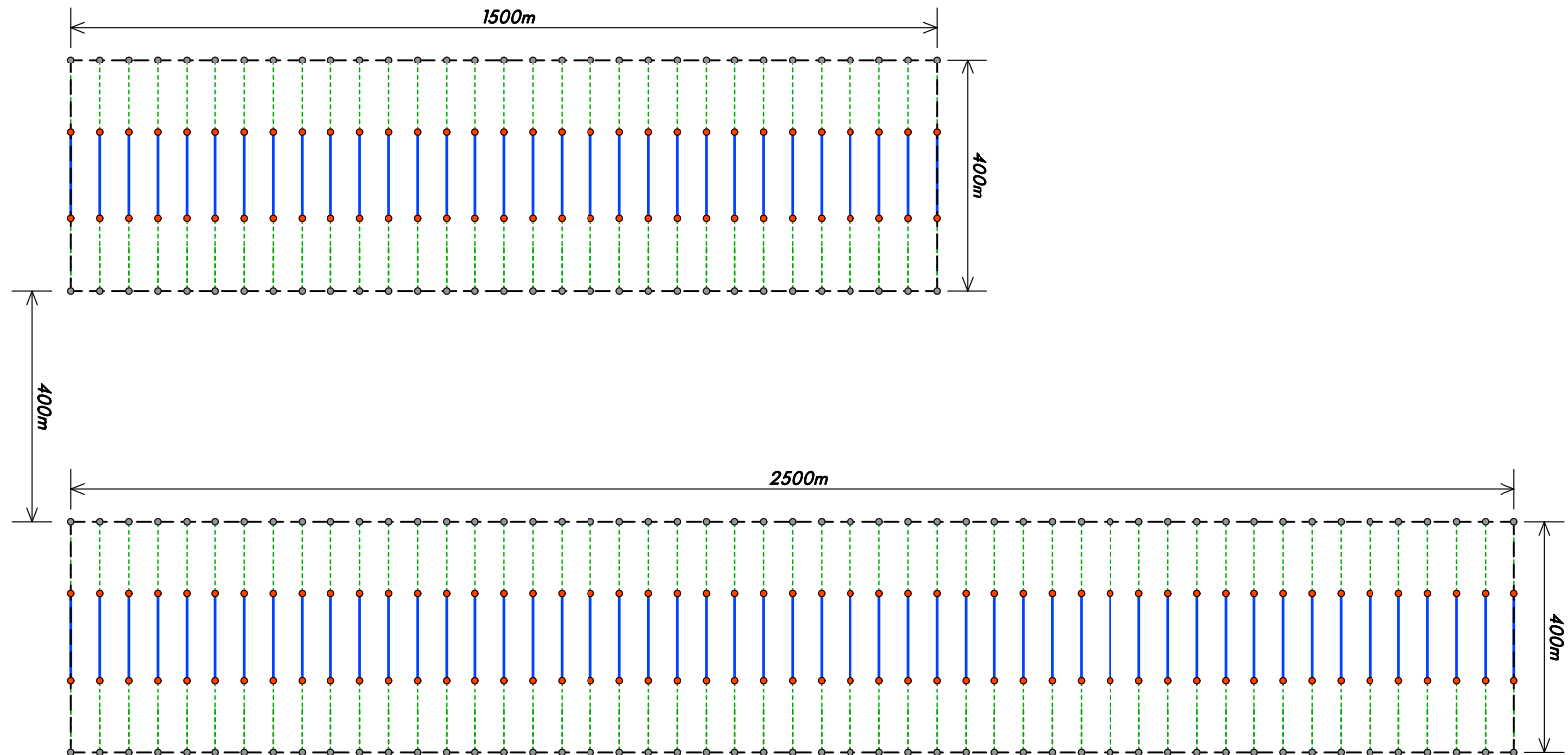
- REFERENCE**
- Block Boundary
 - Orange End Float
 - Backbone
 - Warp
 - Anchor



NWM Spat Catching Proposed Structure Layout Block C *West Waikato*

15 November 2022
 MF_2874b





REFERENCE

- Block Boundary
- Orange End Float
- Backbone
- Warp
- Anchor

Block D
 Total Longlines = 82
 Longline Spacing = 50m
 Backbone length = 130m - 150m



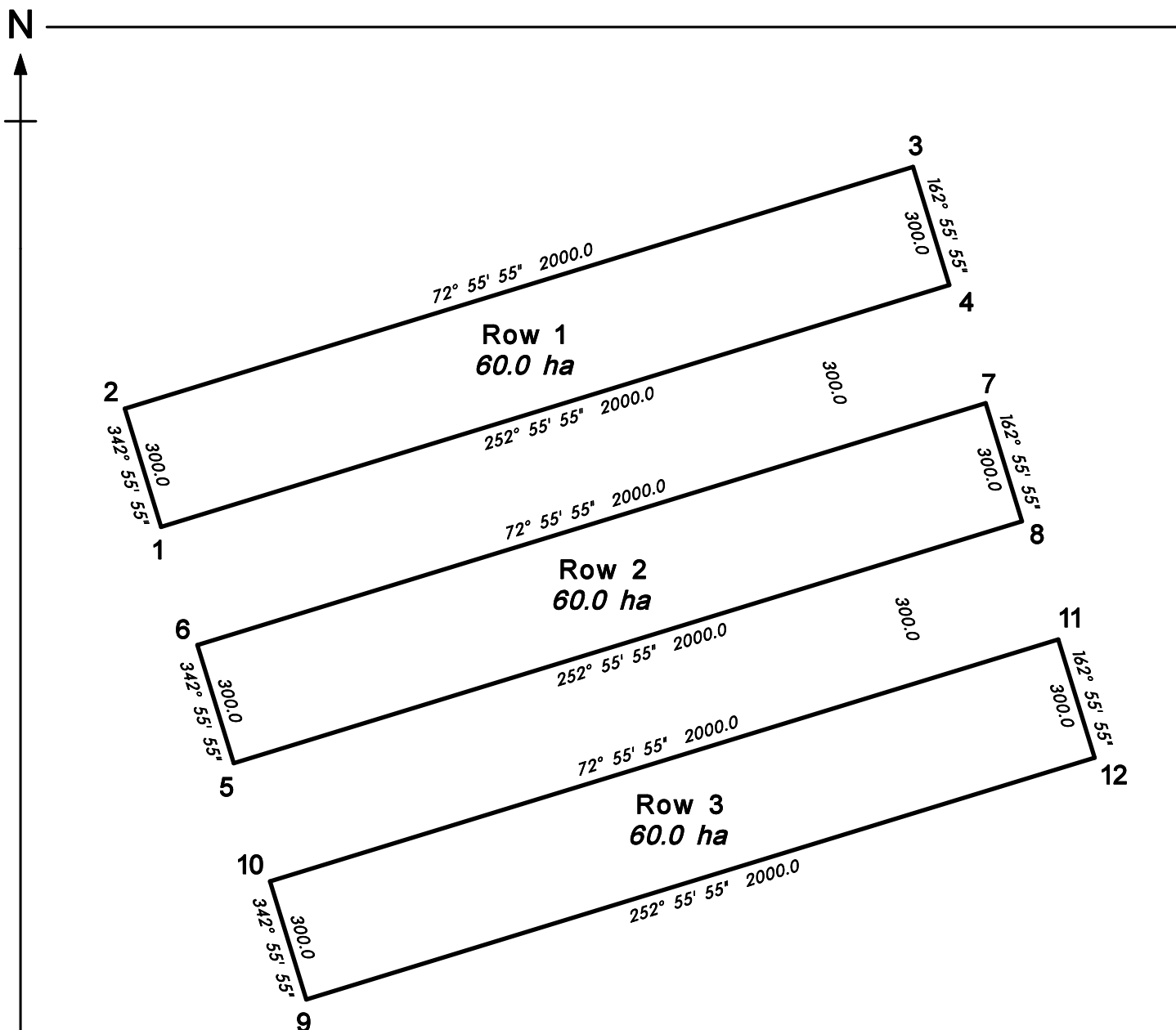
AQUACULTURE
DIRECT

5 May 2023
 MF_2874c

NWM Spat Catching Proposed Structure Layout Block D *West Waikato*

SCALE 1:13,000

150 0 150 300 450 600 750 900 metres



Block B
TOTAL AREA = 180.0ha

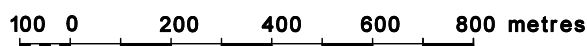
Datum: NZTM2000
 Waikato Regional Council
 This site has not been surveyed

SCHEDULE OF COORDINATES		
DATUM: NZTM2000		
Point	East	North
1	1753457.8	5830378.0
2	1753369.7	5830664.8
3	1755281.6	5831251.8
4	1755369.7	5830965.1
5	1753633.9	5829804.5
6	1753545.8	5830091.3
7	1755457.7	5830678.3
8	1755545.8	5830391.5
9	1753810.0	5829230.9
10	1753721.9	5829517.7
11	1755633.9	5830104.7
12	1755721.9	5829817.9

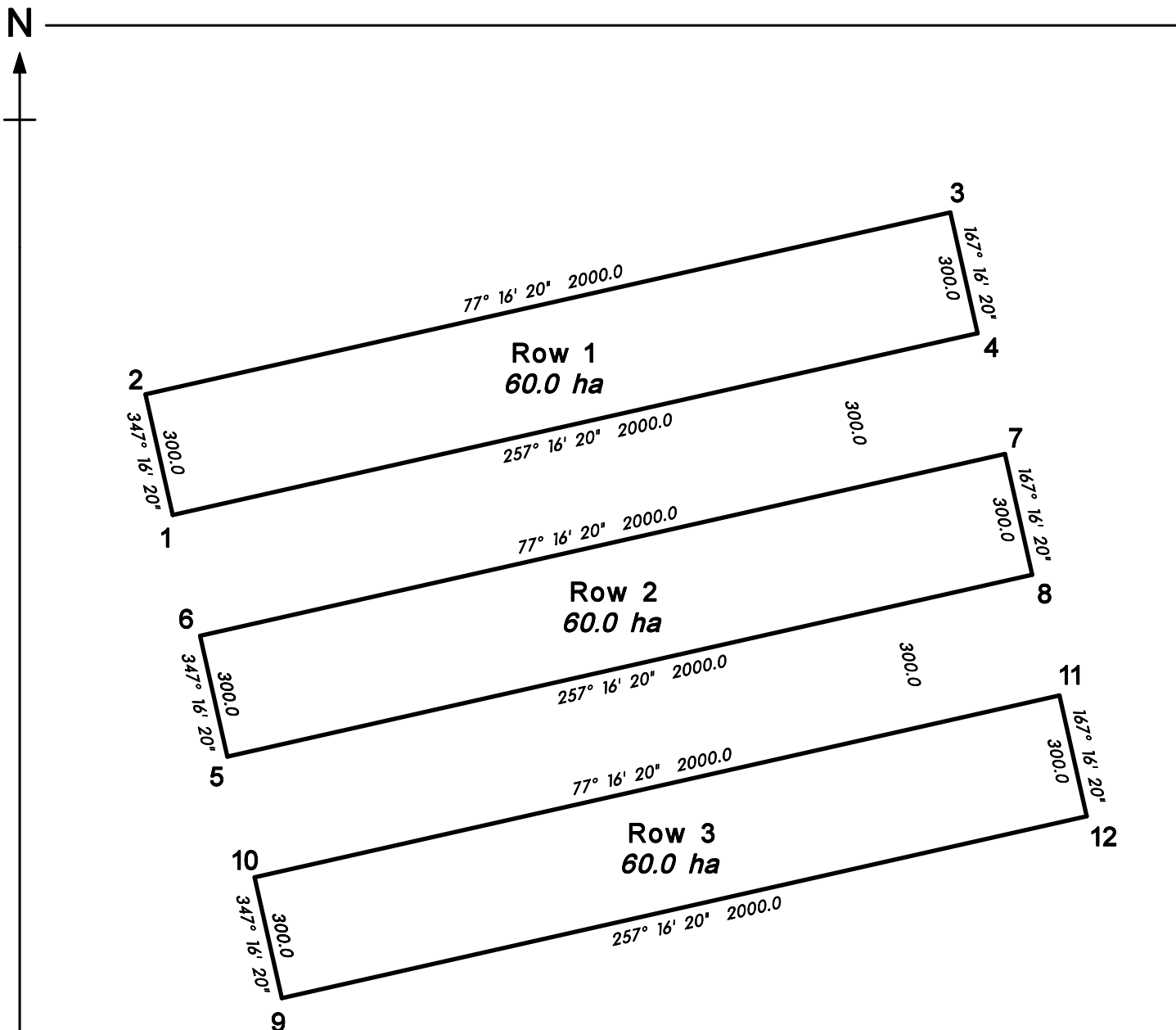


Proposed Coastal Permit North Western Mussels *Spat Catching - Block B*

SCALE 1:15,000



Ref; MF_2847_Site Plans
 Date; 18 January 2024



Block C
TOTAL AREA = 180.0ha

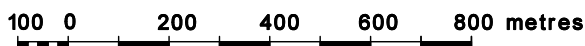
Datum: NZTM2000
 Waikato Regional Council
 This site has not been surveyed

SCHEDULE OF COORDINATES		
DATUM: NZTM2000		
Point	East	North
1	1754601.6	5825990.3
2	1754535.5	5826282.9
3	1756486.4	5826723.5
4	1756552.4	5826430.9
5	1754733.8	5825405.0
6	1754667.7	5825697.6
7	1756618.5	5826138.3
8	1756684.6	5825845.6
9	1754866.0	5824819.8
10	1754799.9	5825112.4
11	1756750.7	5825553.0
12	1756816.8	5825260.4

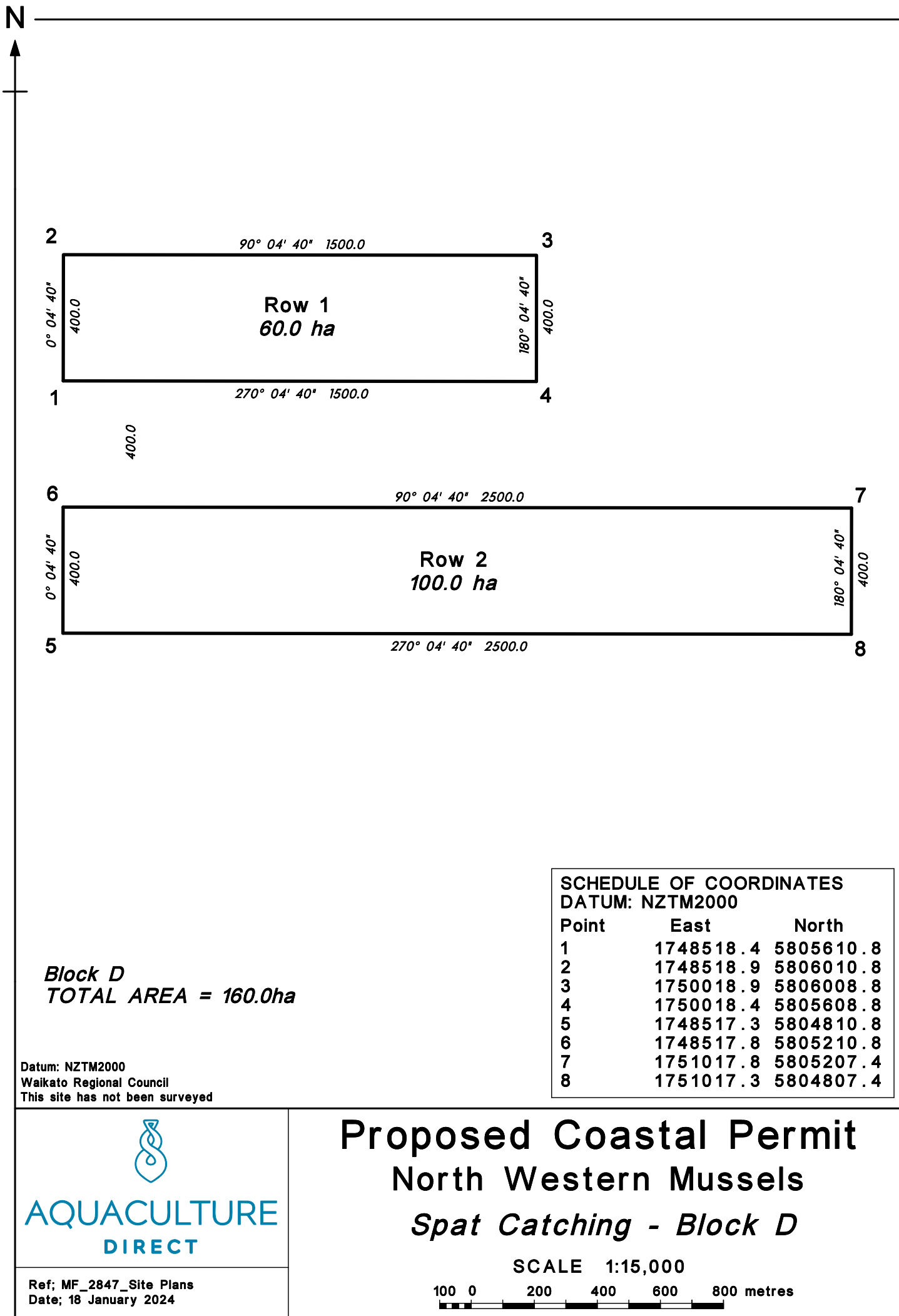


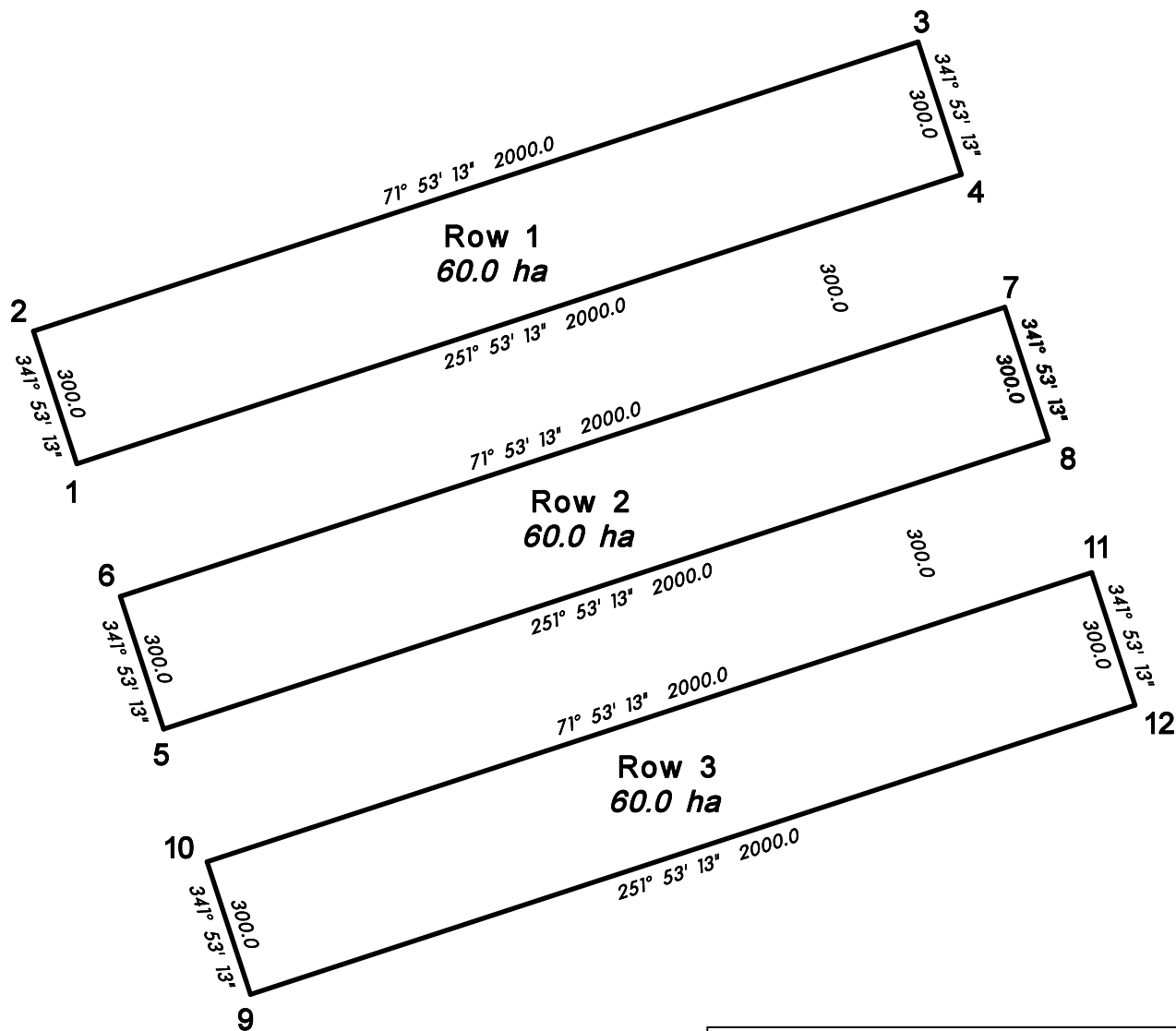
Proposed Coastal Permit North Western Mussels *Spat Catching - Block C*

SCALE 1:15,000



Ref; MF_2847_Site Plans
 Date; 18 January 2024





Block A
TOTAL AREA = 180.0ha

Datum: NZTM2000
Waikato Regional Council
This site has not been surveyed

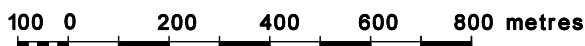
SCHEDULE OF COORDINATES		
DATUM: NZTM2000		
Point	East	North
1	1749882.2	5839088.3
2	1749789.0	5839373.5
3	1751689.9	5839995.2
4	1751783.1	5839710.1
5	1750068.8	5838518.1
6	1749975.5	5838803.2
7	1751876.4	5839425.0
8	1751969.7	5839139.8
9	1750255.3	5837947.8
10	1750162.1	5838232.9
11	1752062.9	5838854.7
12	1752156.2	5838569.6



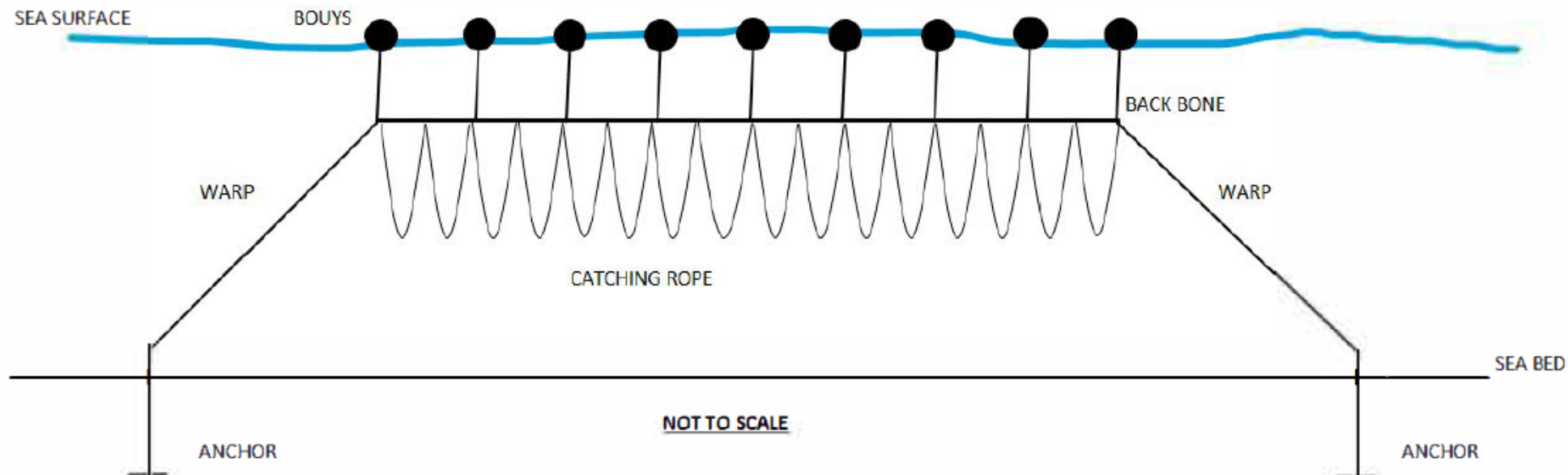
Ref; MF_2847_Site Plans
Date; 18 January 2024

Proposed Coastal Permit North Western Mussels *Spat Catching - Block A*

SCALE 1:15,000



Waikato West Coast Mussel Spat Catching and Nursery Long Line Structure



- Anchors: To be drilled into the seabed 6m - 12m depending on site substrate
- Warp: To be 32mm to 44mm diameter rope with 30ton plus breaking strain
- Buoys: Spaced 2m to 10m apart
- Backbone: 150m in length and 32mm diameter
- Catching rope: 8m down in length. 60mm-80mm diameter weighted fribulated self tensioning catching rope