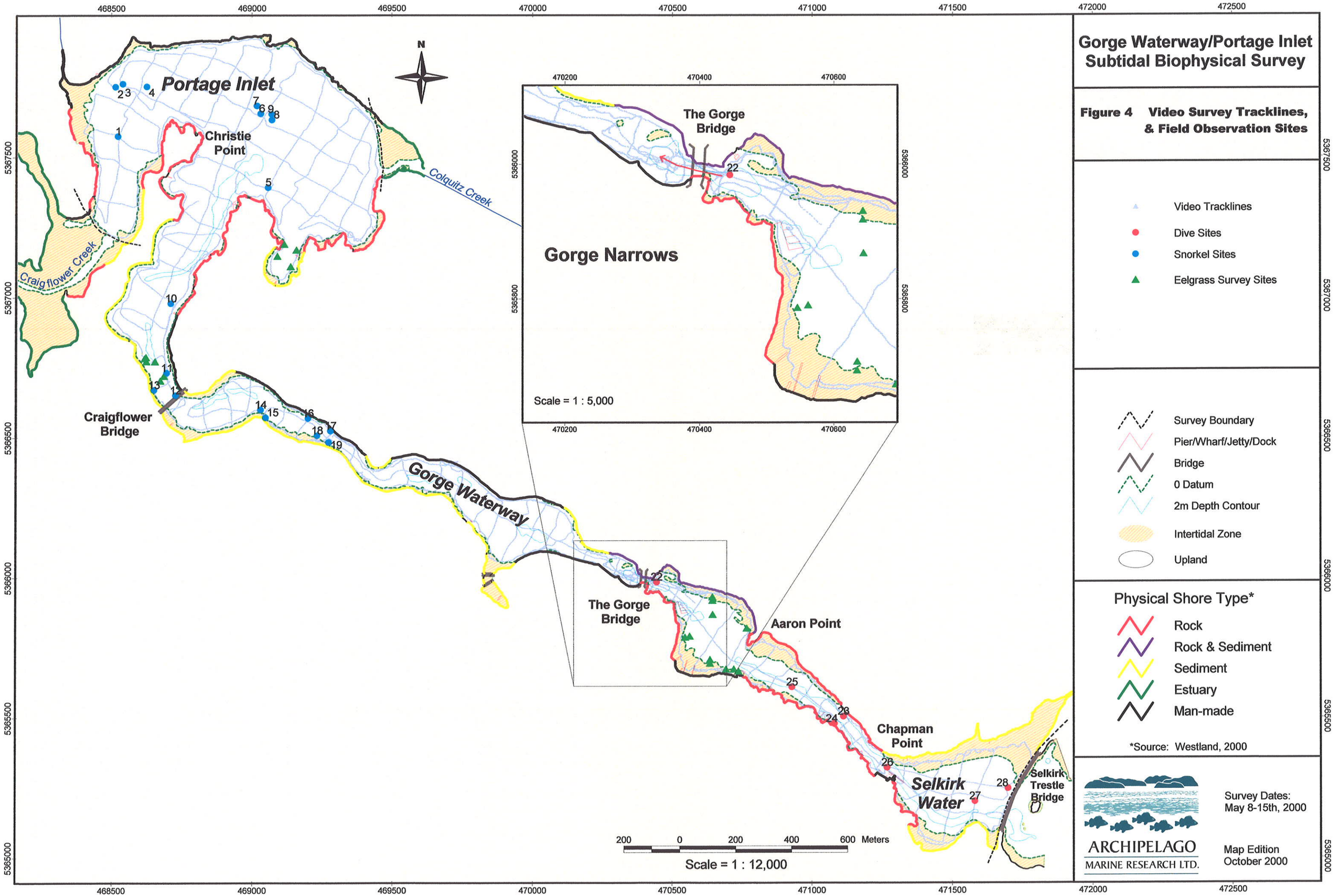
Subtidal Survey of Physical and Biological Features of Portage Inlet and the Gorge Waterway

Map Folio


Gorge Waterway/Portage Inlet
Subtidal Biophysical Survey
Figure 4 Video Survey Tracklines, & Field Observation Sites
Video Tracklines
Dive Sites
Snorkel Sites
Eelgrass Survey Sites
Survey Boundary
Pier/Wharf/Jetty/Dock
Bridge
0 Datum
2m Depth Contour
Intertidal Zone
Upland
Physical Shore Type*
Rock
Rock & Sediment
Sediment
Estuary
Man-made
*Source: Westland, 2000
Survey Dates:
May 8-15th, 2000
Map Edition
October 2000
ARCHIPELAGO
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Portage Inlet
Christie Point
Colquitz Creek
Craigflower Creek
Craigflower Bridge
Gorge Waterway
The Gorge Bridge
Aaron Point
Chapman Point
Selkirk Water
Selkirk Trestle Bridge
Gorge Narrows
Scale = 1 : 5,000
Scale = 1 : 12,000
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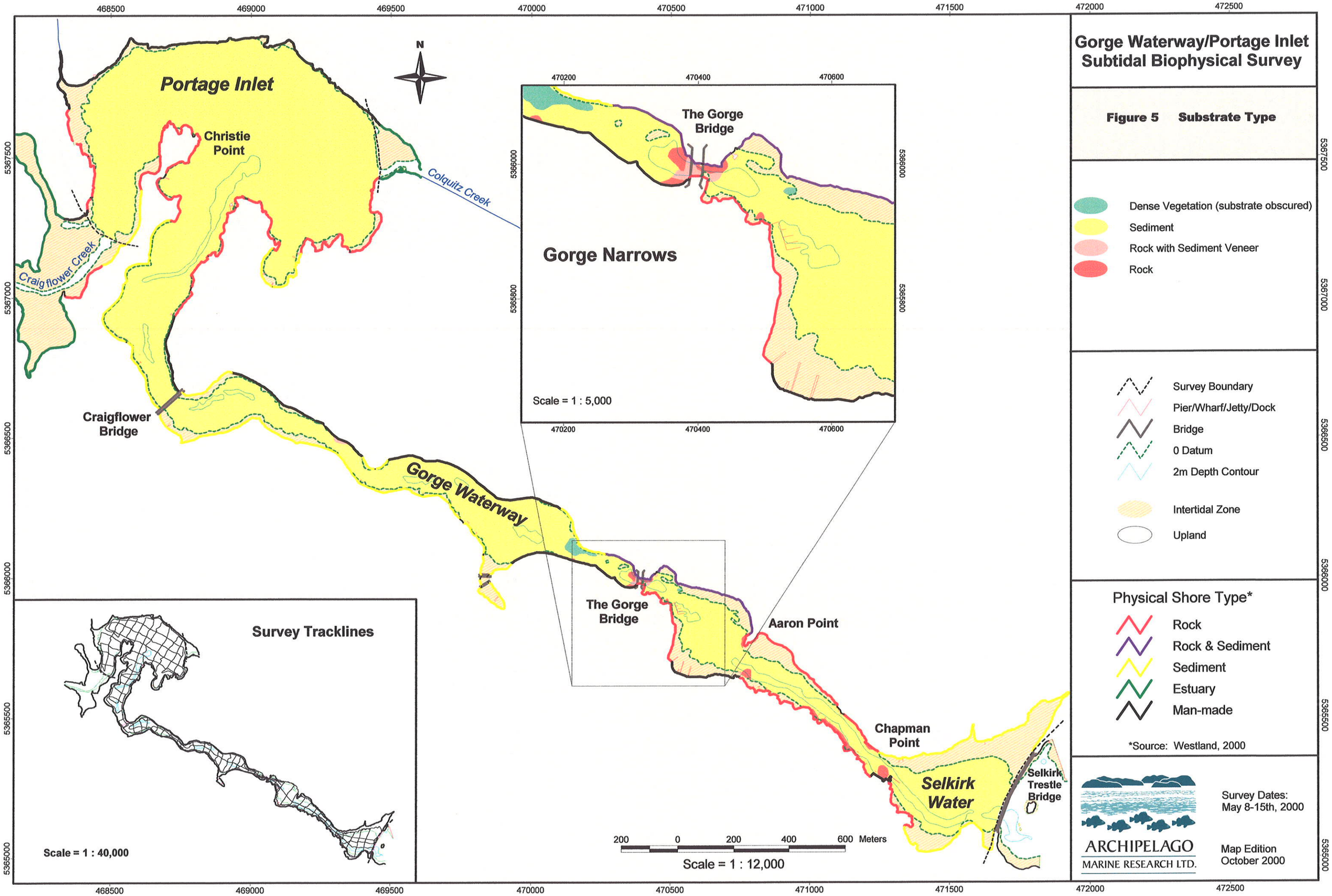
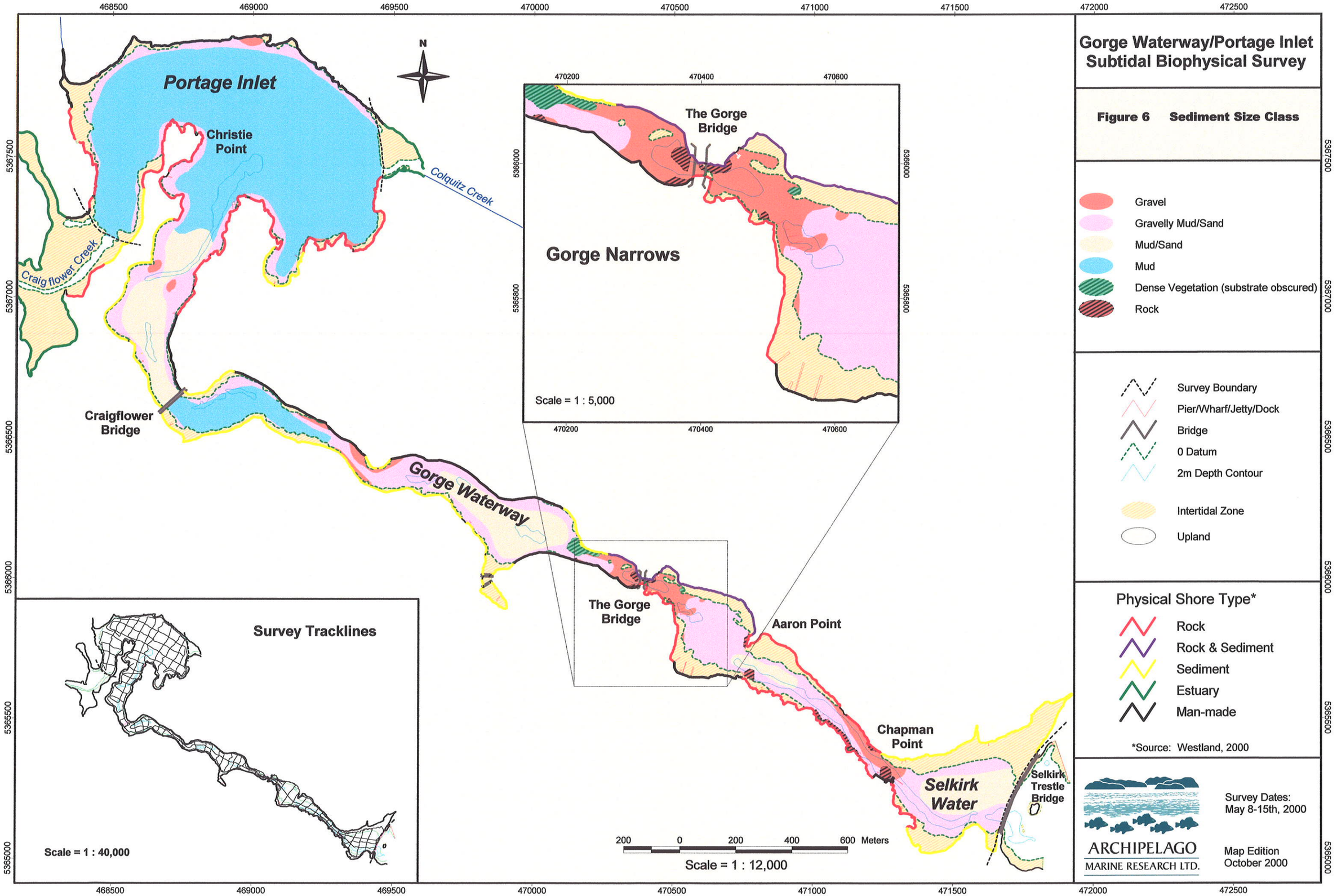
Gorge Waterway/Portage Inlet Subtidal Biophysical Survey

Figure 5 Substrate Type




Gorge Waterway/Portage Inlet
Subtidal Biophysical Survey
Figure 6 Sediment Size Class
Gravel
Gravelly Mud/Sand
Mud/Sand
Mud
Dense Vegetation (substrate obscured)
Rock
Survey Boundary
Pier/Wharf/Jetty/Dock
Bridge
0 Datum
2m Depth Contour
Intertidal Zone
Upland
Physical Shore Type*
Rock
Rock & Sediment
Sediment
Estuary
Man-made
*Source: Westland, 2000
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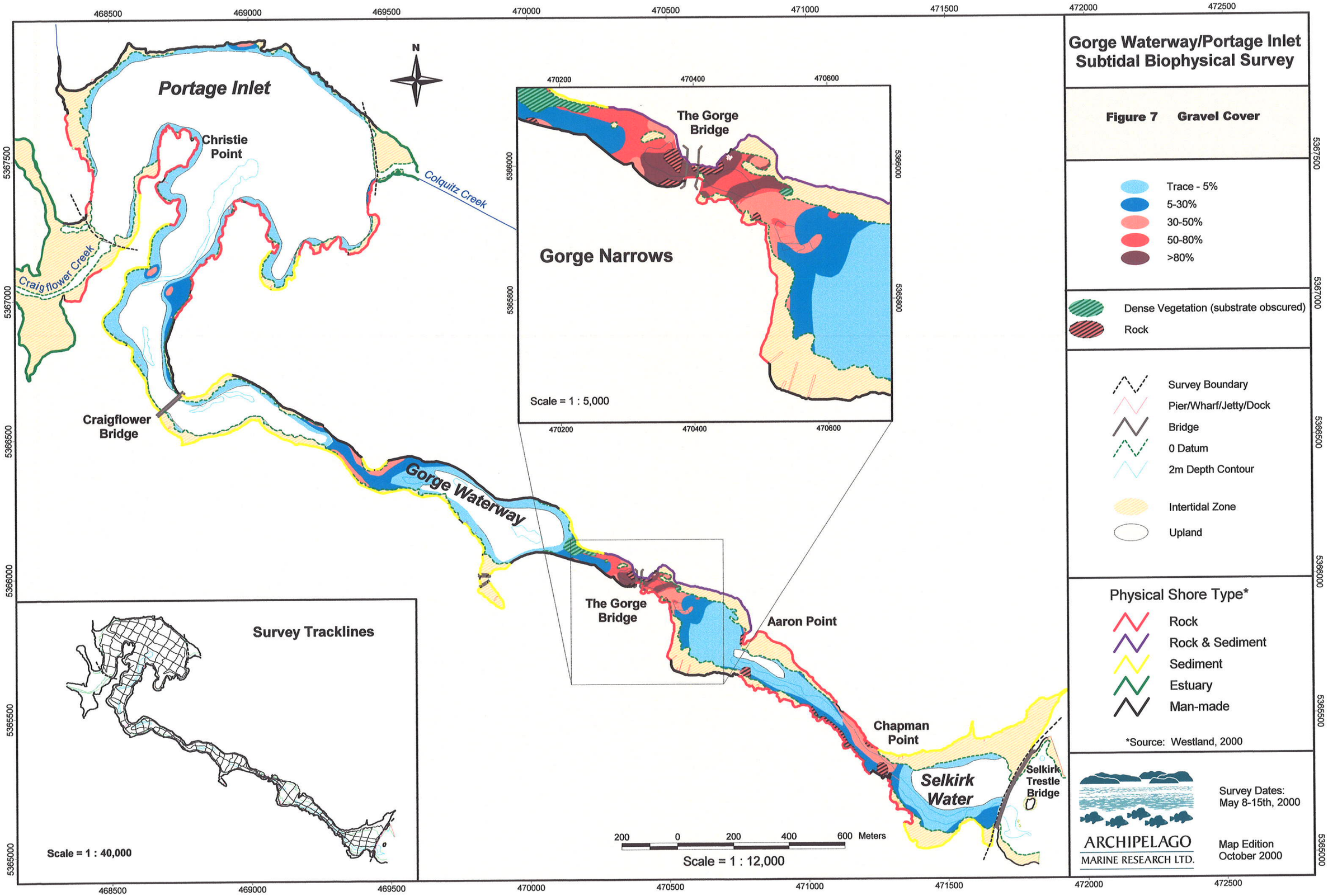
Gorge Waterway/Portage Inlet
Subtidal Biophysical Survey
Figure 7 Gravel Cover
Trace - 5%
5-30%
30-50%
50-80%
>80%
Dense Vegetation (substrate obscured)
Rock
Survey Boundary
Pier/Wharf/Jetty/Dock
Bridge
0 Datum
2m Depth Contour
Intertidal Zone
Upland
Physical Shore Type*
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Rock & Sediment
Sediment
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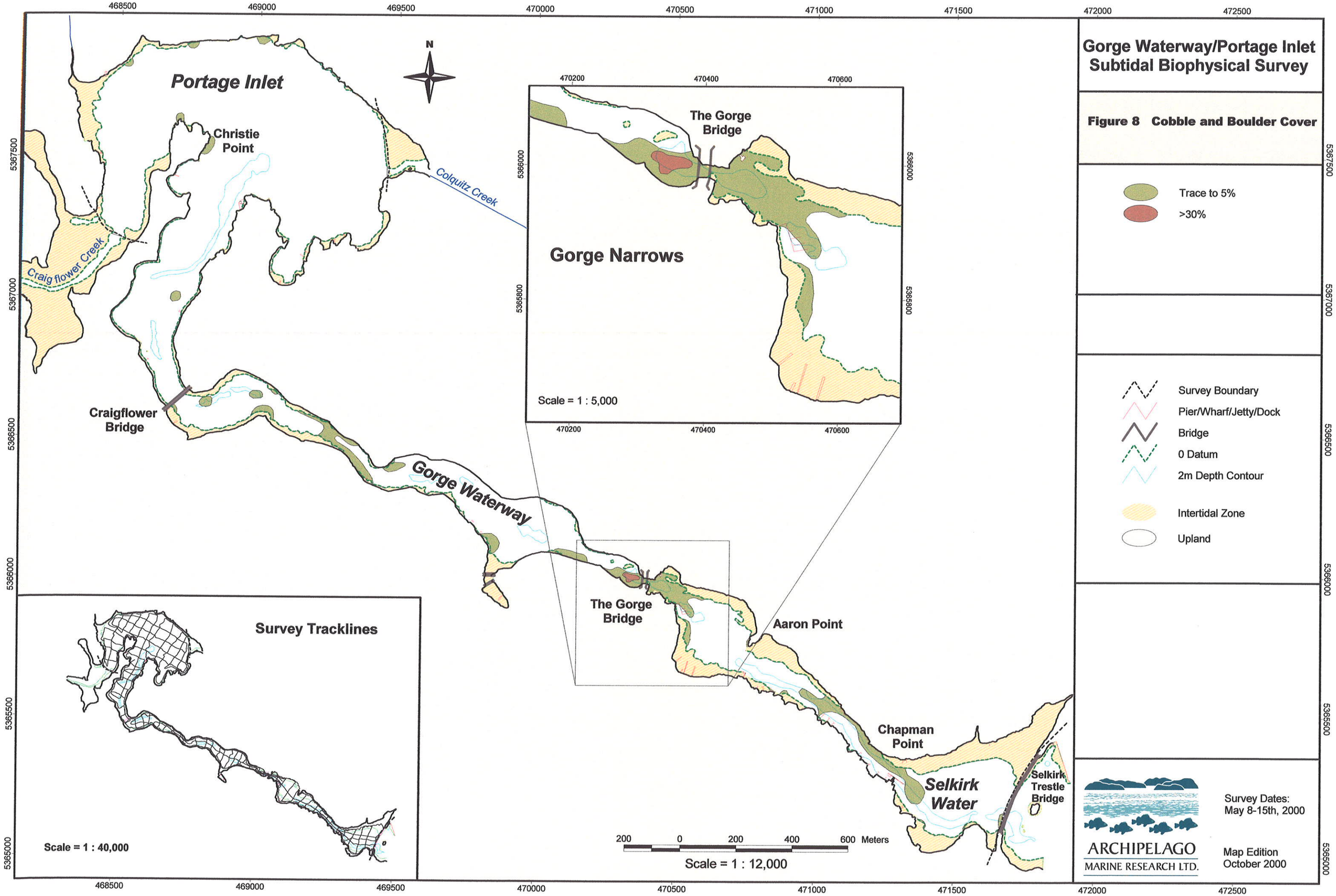
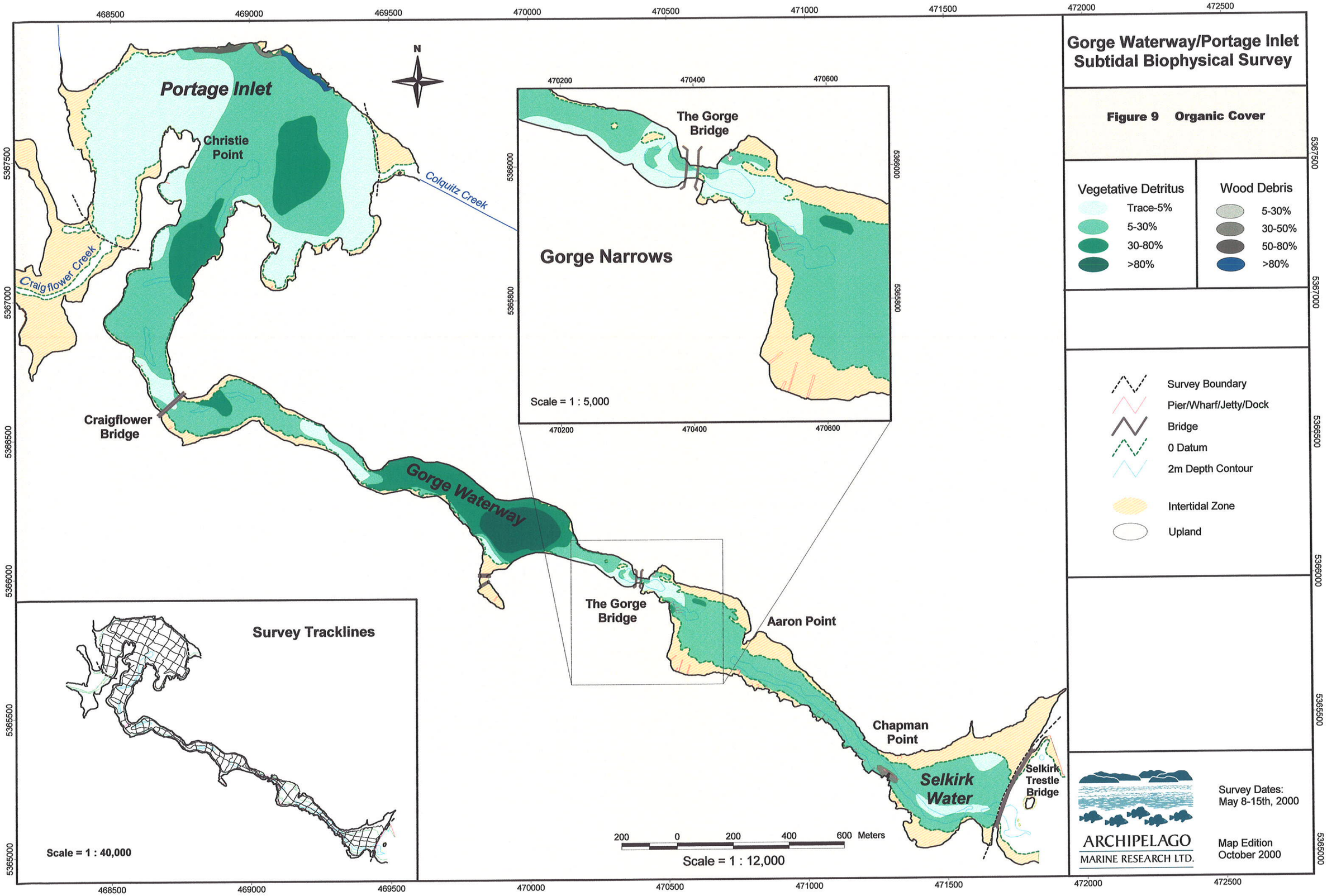
Gorge Waterway/Portage Inlet Subtidal Biophysical Survey

Figure 8 Cobble and Boulder Cover




Gorge Waterway/Portage Inlet
Subtidal Biophysical Survey
Figure 9 Organic Cover
Vegetative Detritus
Trace-5%
5-30%
30-80%
>80%
Wood Debris
5-30%
30-50%
50-80%
>80%
Survey Boundary
Pier/Wharf/Jetty/Dock
Bridge
0 Datum
2m Depth Contour
Intertidal Zone
Upland
Survey Dates:
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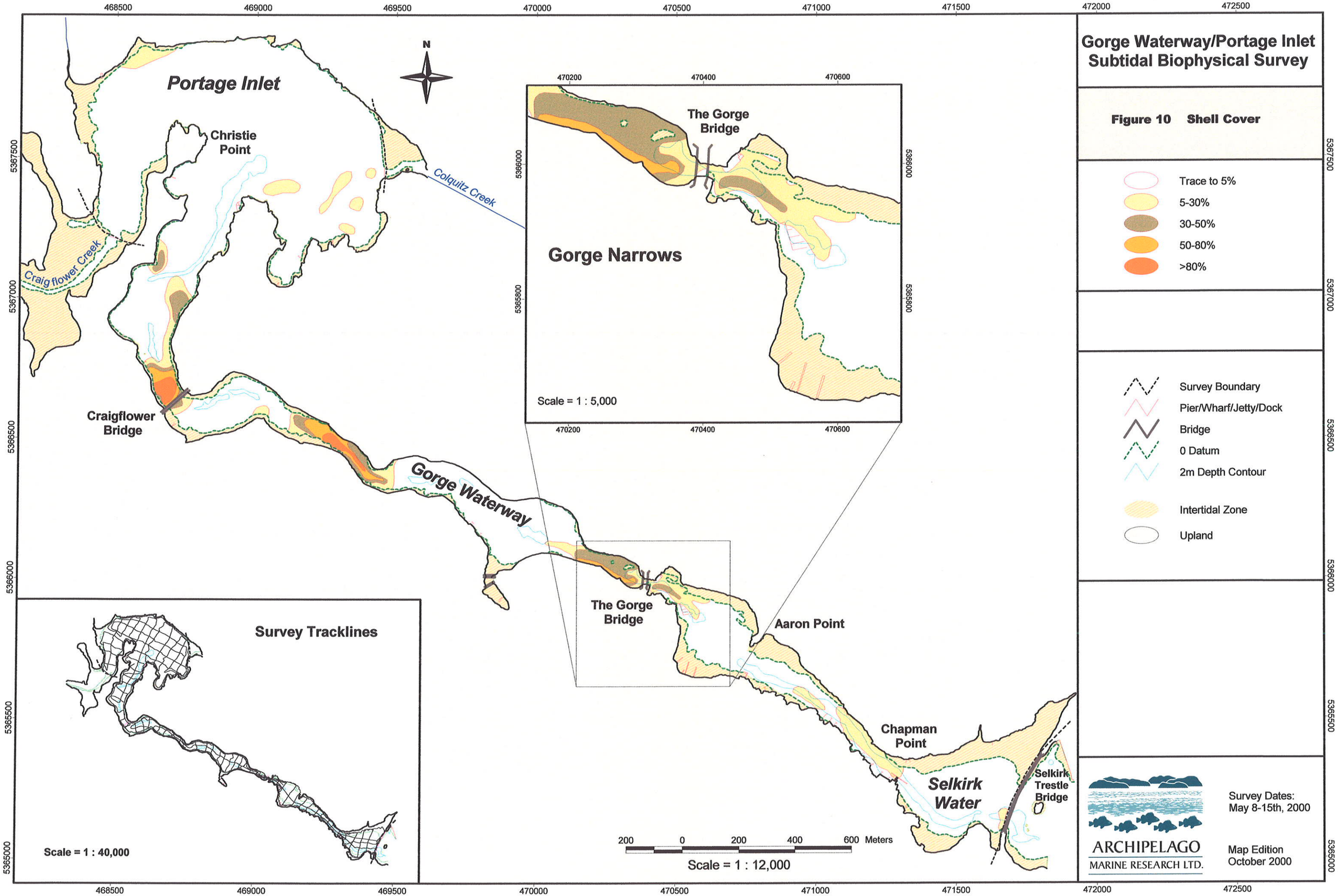
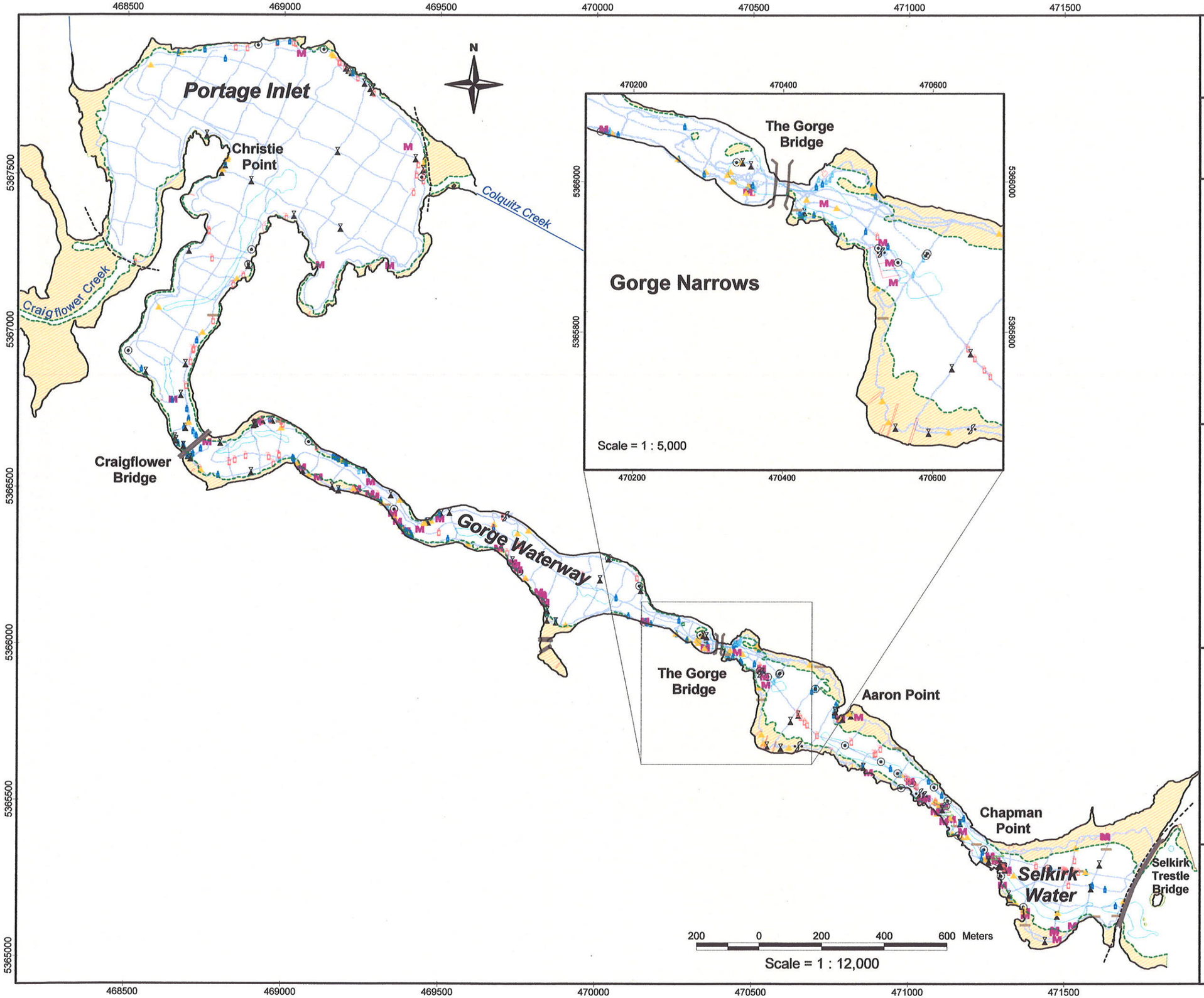
Gorge Waterway/Portage Inlet Subtidal Biophysical Survey

Figure 10 Shell Cover



Gorge Waterway/Portage Inlet Subtidal Biophysical Survey

Figure 11 Man-made Objects



- Bottle
- Aggregation of Bottles
- Cable/Wire/Rope
- Cans
- Garbage
- Logs
- Metal Objects
- Other
- Pipe
- Tire
- Wood Debris

- Video Tracklines
- Survey Boundary
- Pier/Wharf/Jetty/Dock
- Bridge
- 0 Datum
- 2m Depth Contour
- Intertidal Zone
- Upland

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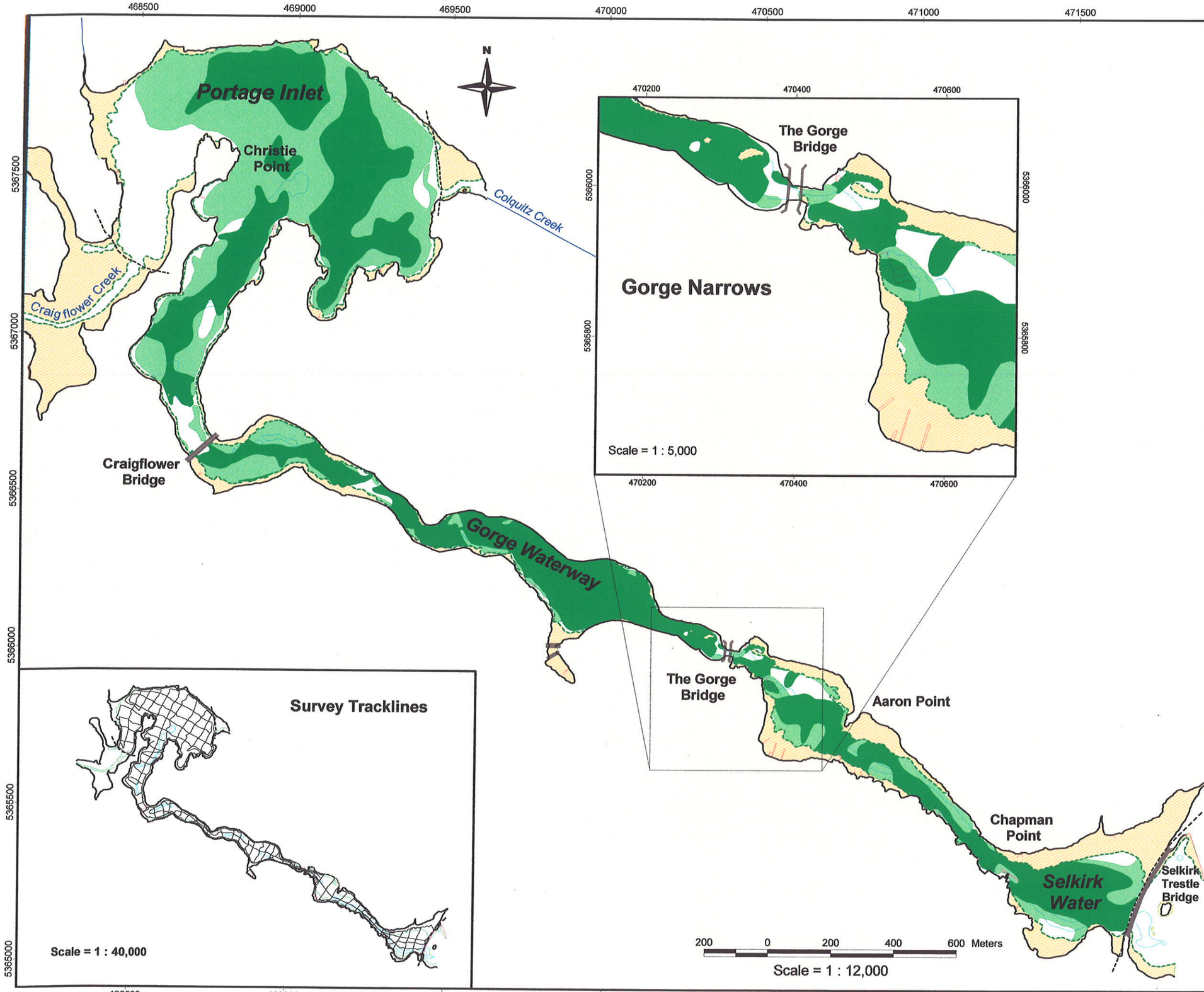
Figure 12 Vegetation Cover



Sparse to Low Cover (trace to 25%)

Moderate to Dense Cover (25% to 100%)

Survey Boundary

Pier/Wharf/Jetty/Dock

Bridge

0 Datum

2m Depth Contour

Intertidal Zone

Upland

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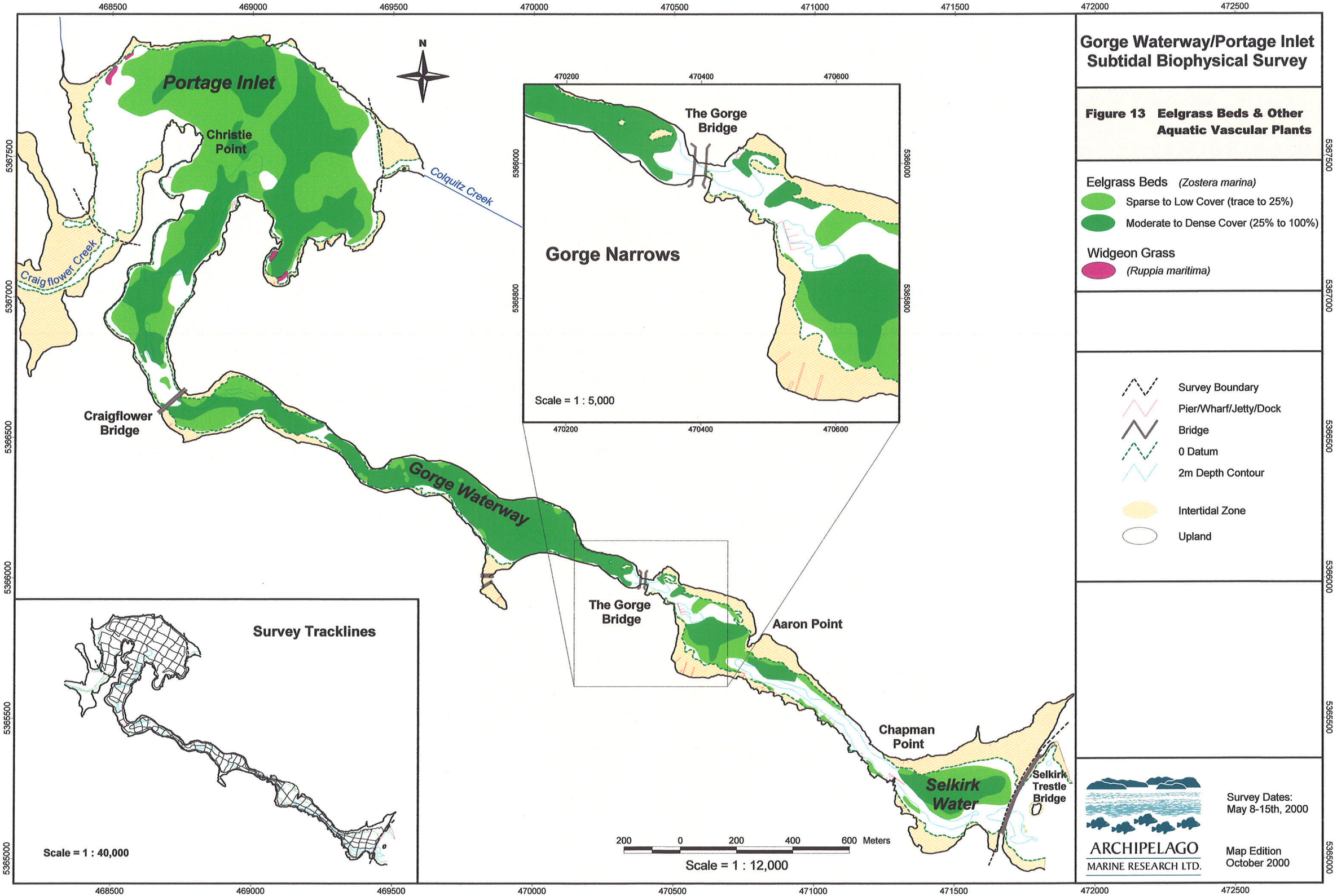
Gorge Waterway/Portage Inlet
Subtidal Biophysical Survey
Figure 13 Eelgrass Beds & Other Aquatic Vascular Plants
Eelgrass Beds (Zostera marina)
Sparse to Low Cover (trace to 25%)
Moderate to Dense Cover (25% to 100%)
Widgeon Grass
(Ruppia maritima)
Survey Boundary
Pier/Wharf/Jetty/Dock
Bridge
0 Datum
2m Depth Contour
Intertidal Zone
Upland
Survey Dates:
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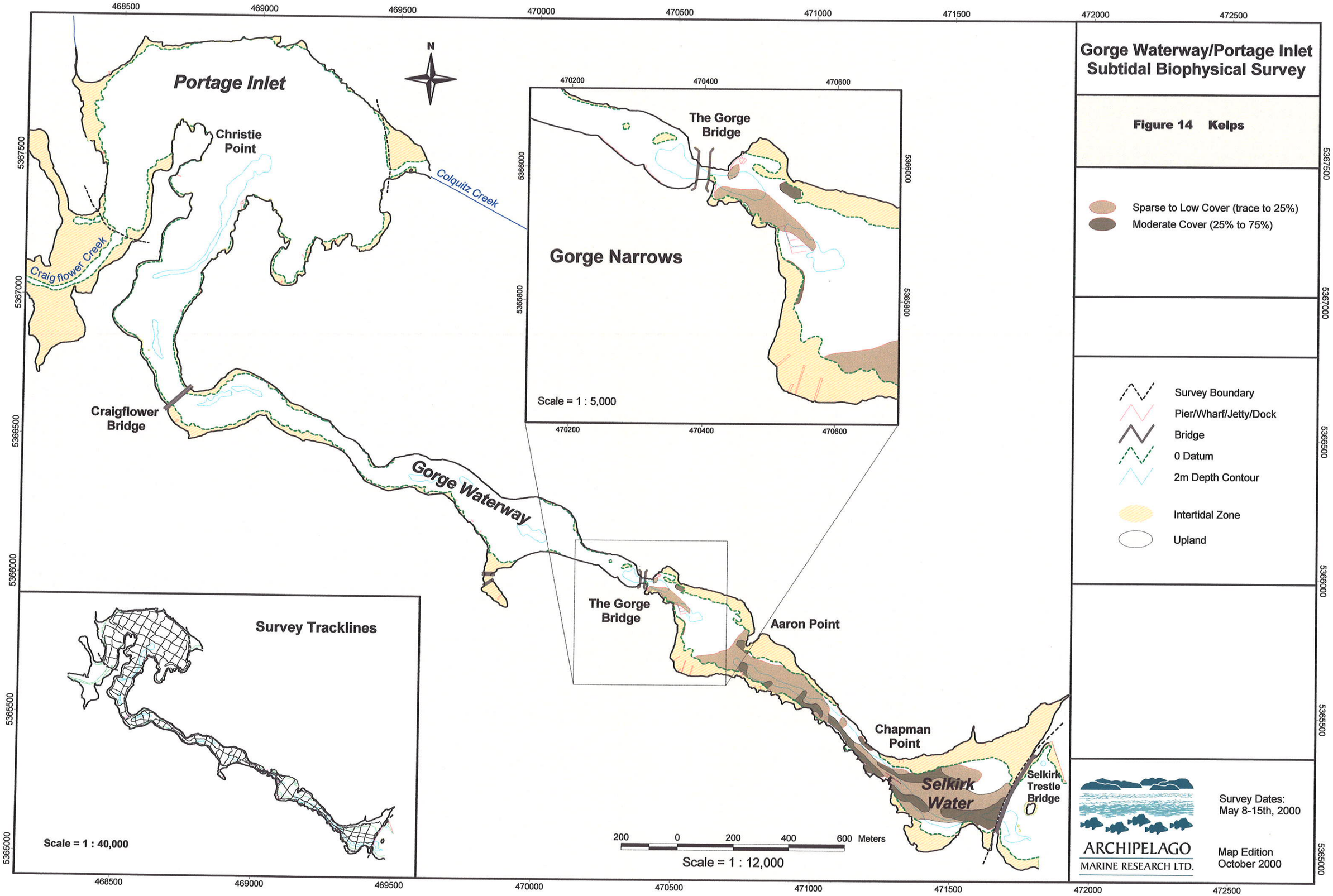
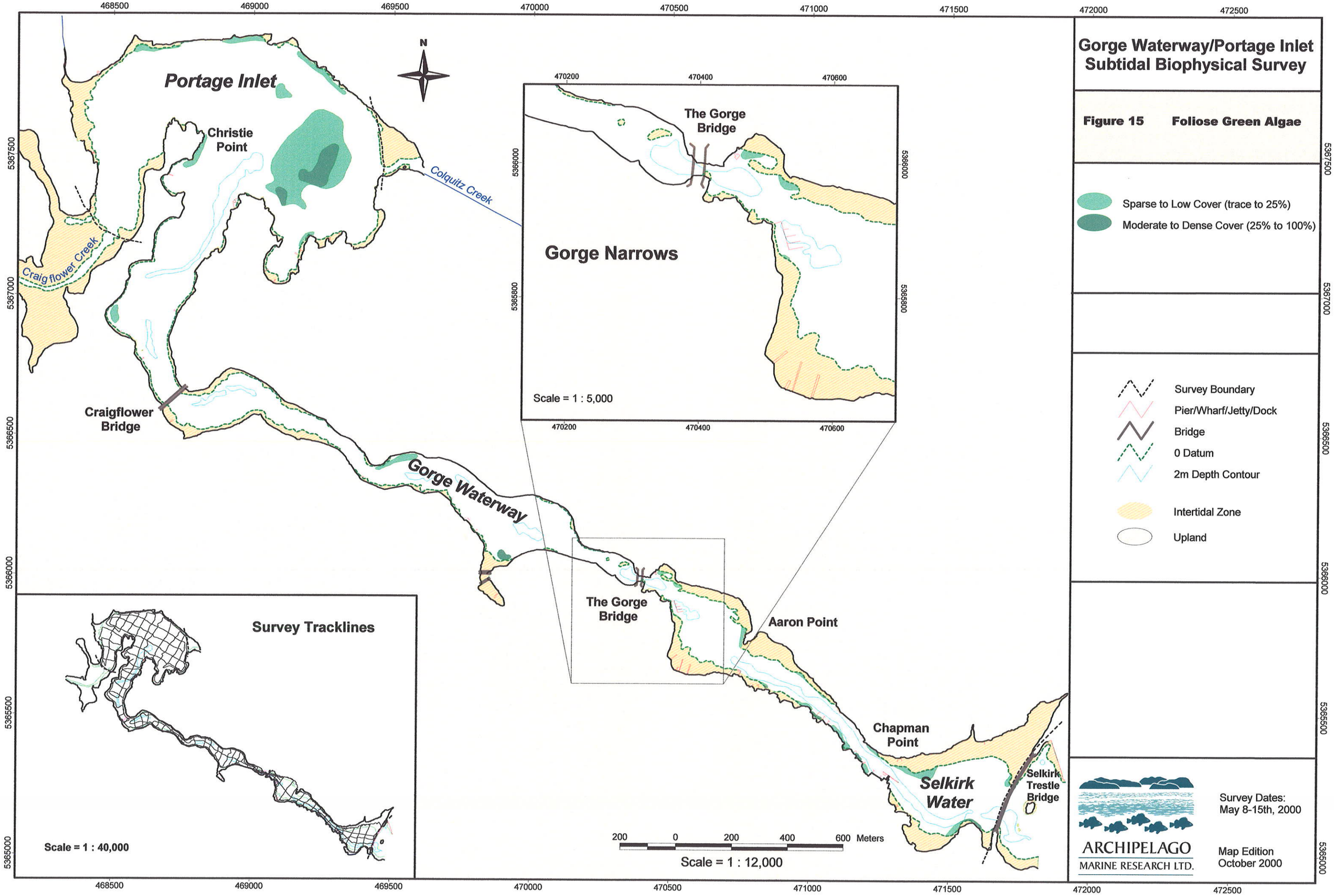
Gorge Waterway/Portage Inlet Subtidal Biophysical Survey

Figure 14 Kelps




Gorge Waterway/Portage Inlet
Subtidal Biophysical Survey
Figure 15 Foliose Green Algae
Sparse to Low Cover (trace to 25%)
Moderate to Dense Cover (25% to 100%)
Survey Boundary
Pier/Wharf/Jetty/Dock
Bridge
0 Datum
2m Depth Contour
Intertidal Zone
Upland
Portage Inlet
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Scale = 1 : 40,000
200 0 200 400 600 Meters
Scale = 1 : 12,000
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5367500 5367000 5366500 5366000 5365500 5365000
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5366000 5365800
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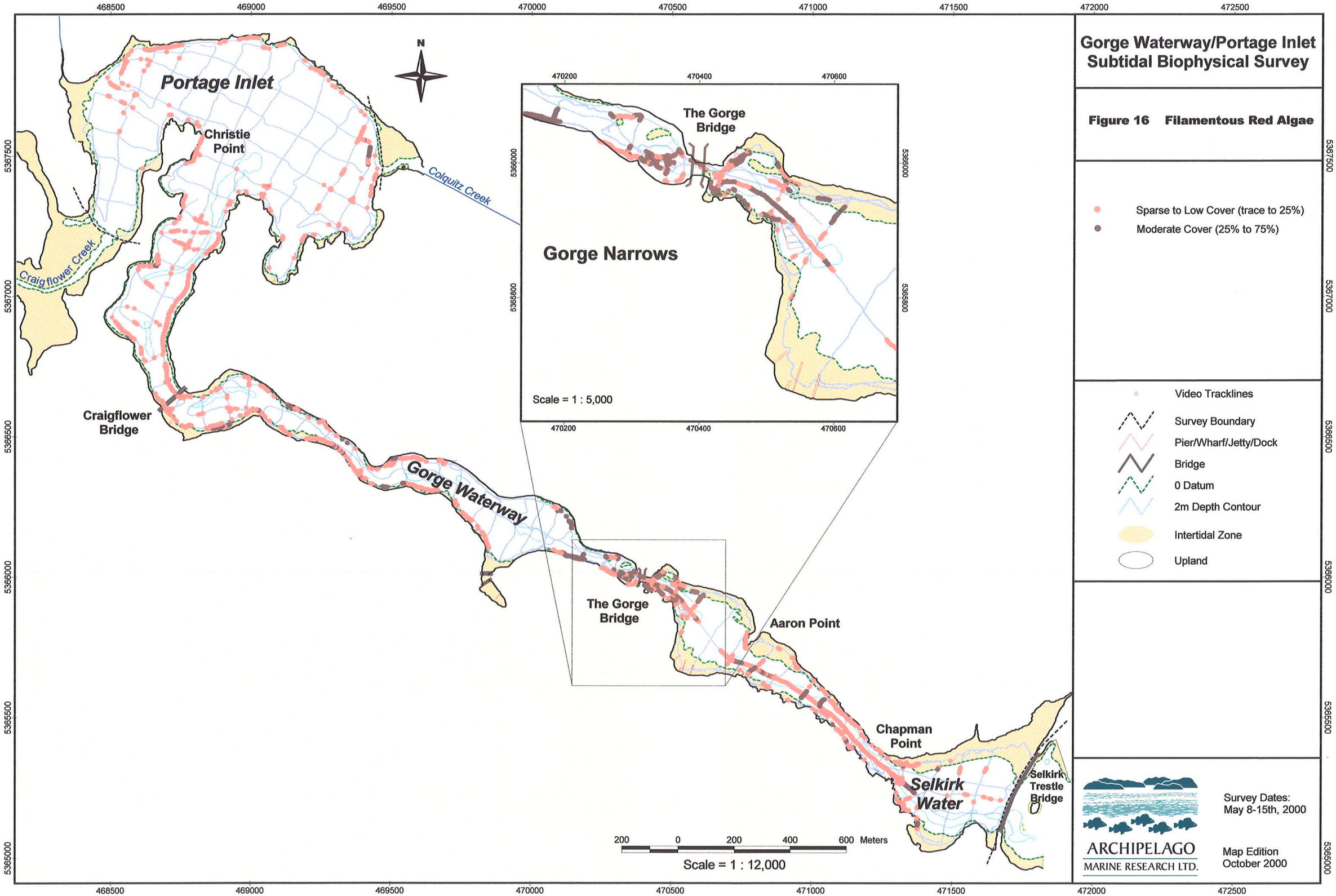
Gorge Waterway/Portage Inlet
Subtidal Biophysical Survey
Figure 16 Filamentous Red Algae
Sparse to Low Cover (trace to 25%)
Moderate Cover (25% to 75%)
Video Tracklines
Survey Boundary
Pier/Wharf/Jetty/Dock
Bridge
0 Datum
2m Depth Contour
Intertidal Zone
Upland
Portage Inlet
Christie Point
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Scale = 1 : 12,000
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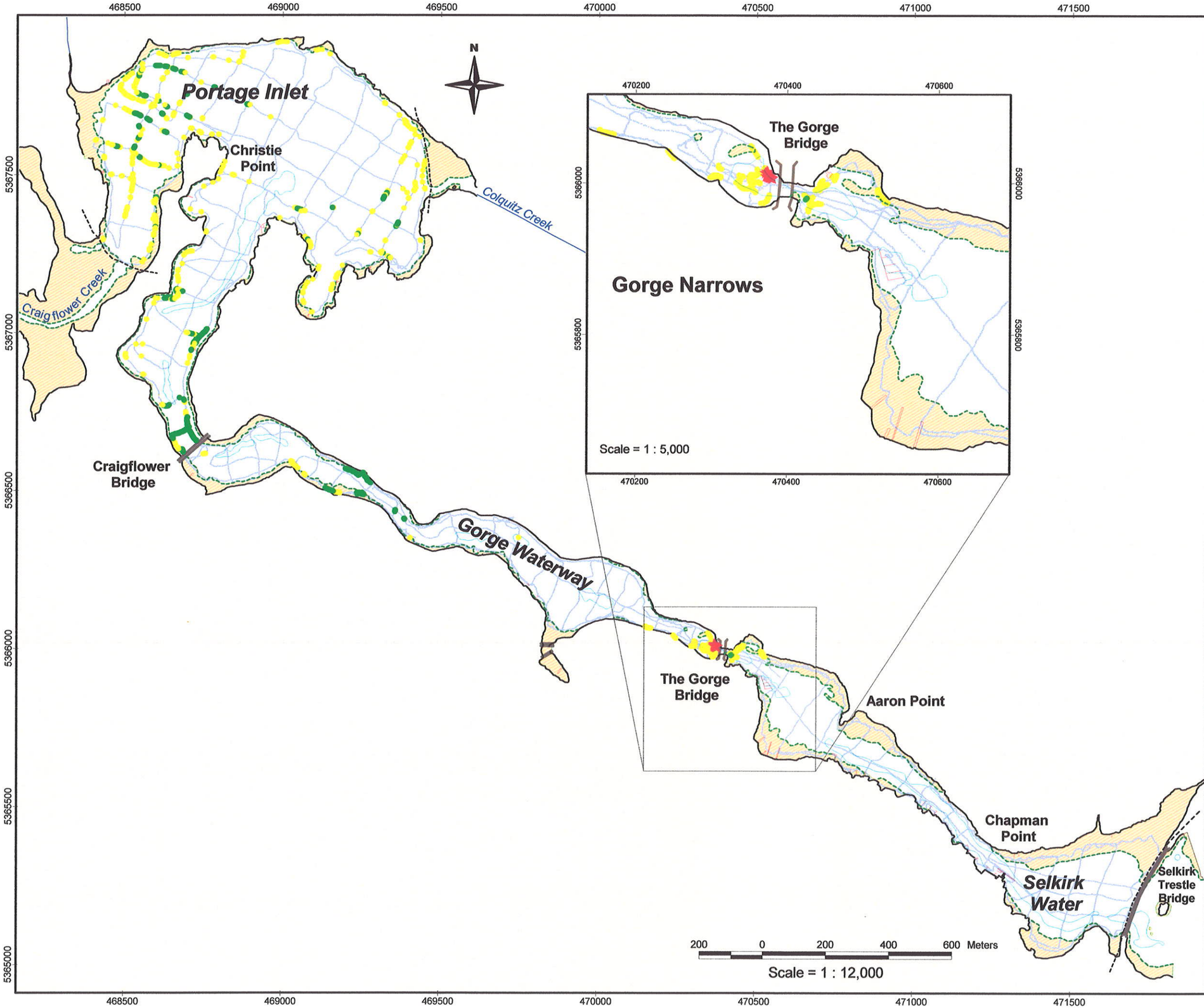

Gorge Waterway/Portage Inlet Subtidal Biophysical Survey

Figure 17 Oysters and Mussels

Native Oysters *(Ostrea lurida)*
- Few to Patchy
- Uniform to Continuous

Mussels *(Mytilus sp.)*
- Few - Patchy

*see Appendix A for description of distribution code

- Video Tracklines
- Survey Boundary
- Pier/Wharf/Jetty/Dock
- Bridge
- 0 Datum
- 2m Depth Contour
- Intertidal Zone
- Upland

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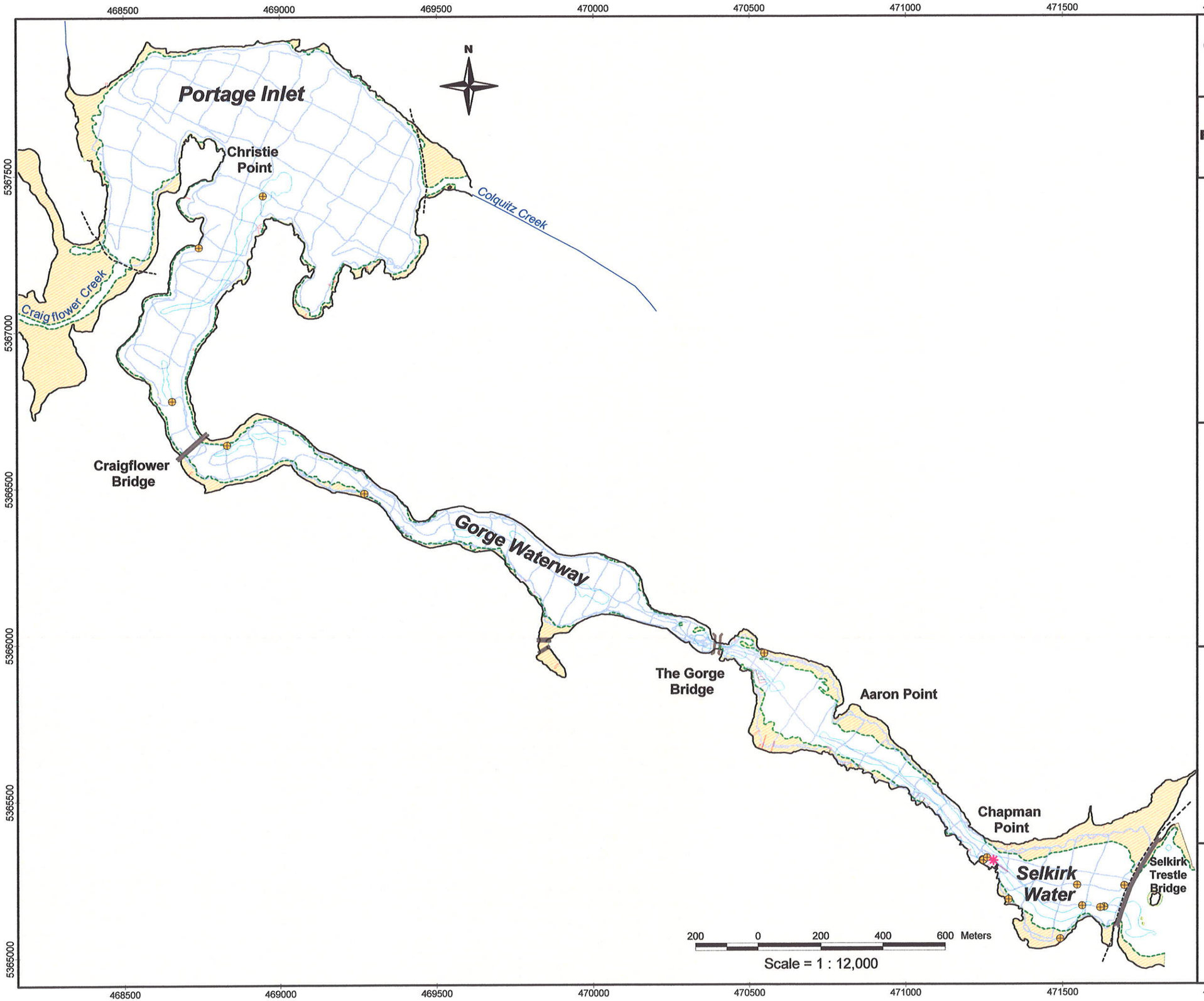
Gorge Waterway/Portage Inlet Subtidal Biophysical Survey

Figure 18 Crabs and Sea Cucumbers



Crabs

- Cancer sp.

Sea Cucumbers

- Burrowing Sea Cucumber *(Cucumaria miniata)*

- Video Tracklines
- Survey Boundary
- Pier/Wharf/Jetty/Dock
- Bridge
- 0 Datum
- 2m Depth Contour
- Intertidal Zone
- Upland

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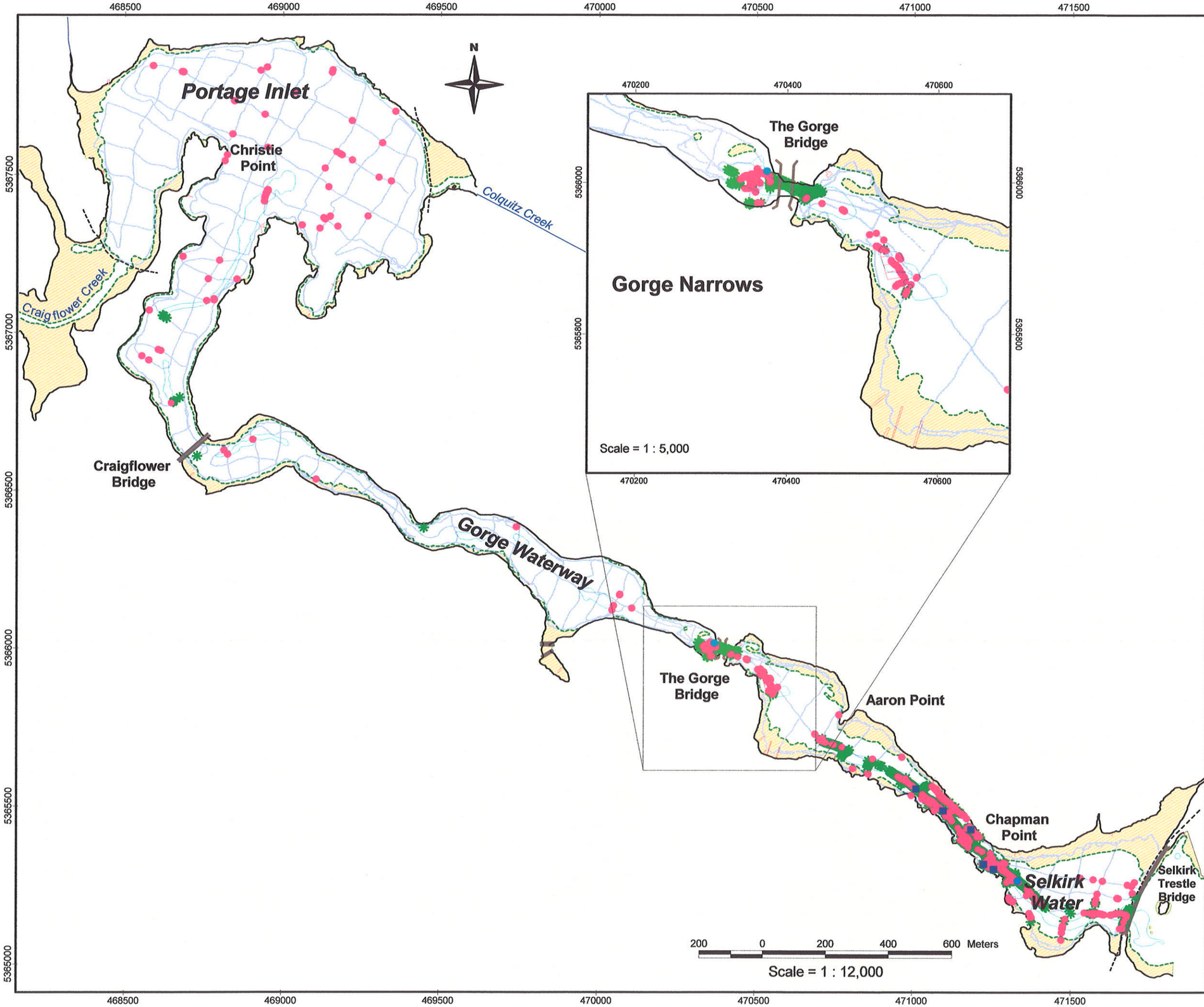
Figure 19 Other Epifauna



Anemones

Metridium sp. — Few to Patchy

Tealia — Few

Bryozoans

Few to Patchy

Uniform to Continuous

Calcareous Tubeworms

Few to Patchy

Video Tracklines

Survey Boundary

Pier/Wharf/Jetty/Dock

Bridge

0 Datum

2m Depth Contour

Intertidal Zone

Upland

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