

Place names

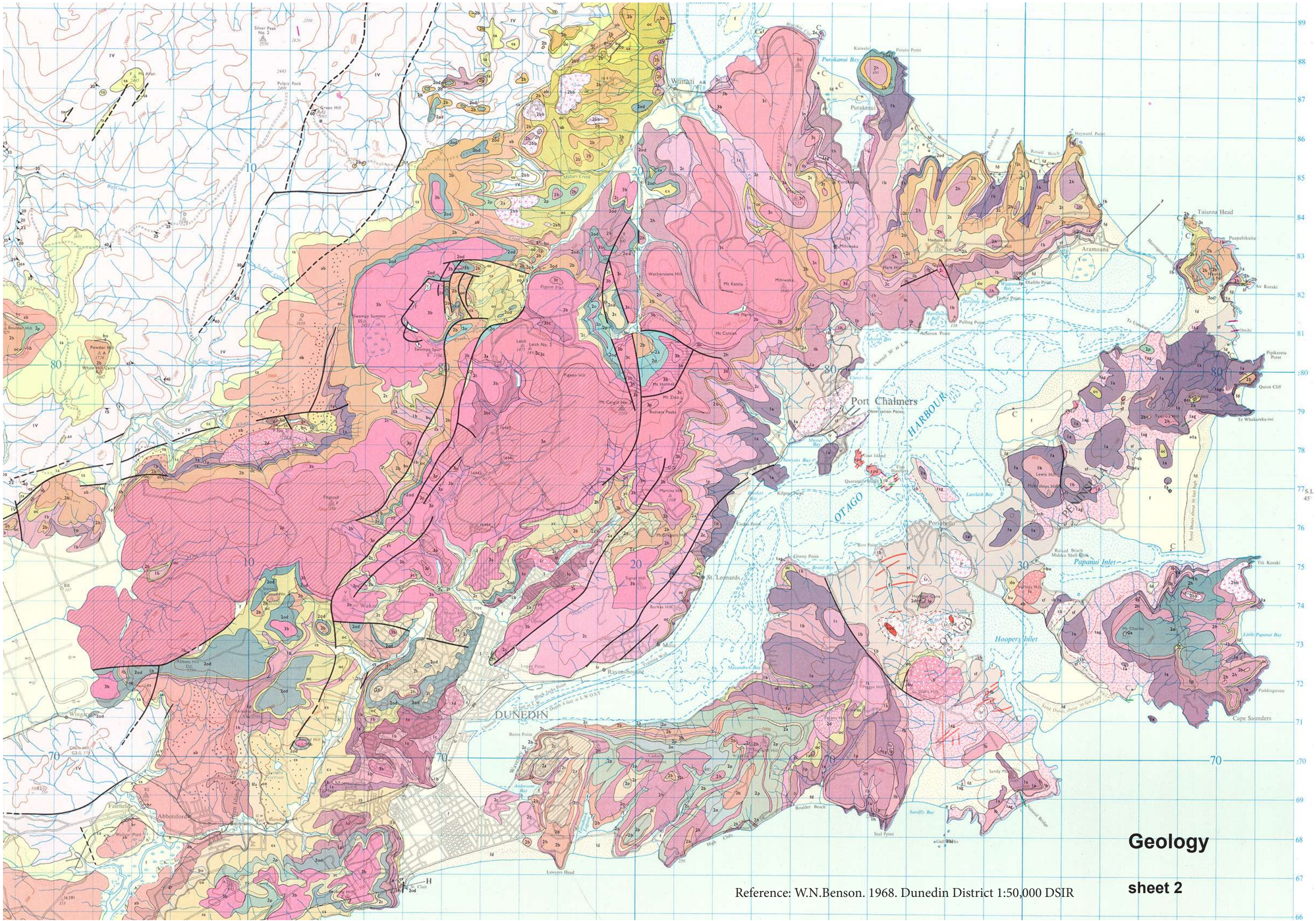
- Otago Peninsula
- 1 Pukemata (Harbour Cone)
  - 2 Pukekura (Taiaroa Head)
  - 3 Peggys Hill
  - 4 Pikiwhara / Sandfly Bay dunefields
  - 5 Pikiwhara / Sandymount Sea Arch
  - 6 Hoopers inlet
  - 7 Papanui Inlet
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  - 4 Sandfly Bay / Pikiwhara
  - 8 Lovers Leap
  - 9 The Chasm
  - 6 Hoopers Inlet
  - 7 Papanui Inlet
  - 10 Otago Peninsula Pyramids
  - 11 Larnach Castle
  - 25 Harwood earth flow & Harwood stranded sea cliffs
- (reference: New Zealand Geopreservation Inventory, Geoscience Society of New Zealand)
- Significant wetlands (Otago Regional Plan: Water) include:
- 7 Papanui Inlet
  - 12 Ōkia
  - 13 Tomahawk lagoon
  - 6 Hoopers Inlet
- 12 Ōkia Flat
  - 7 Tuhiraki and Takakitaka o Te Piro o Kapo
- Papanui Inlet islands
- 14 Poatiri (Mt Charles)
  - 15 Papanui Beach
  - 16 Te Pahi (Allans Beach)
  - 17 Ocean Grove
  - 52 Muaupoko
- Harbourside
- 18 Portobello Peninsula
  - 51 Te Umukuri / Wellers Rock
  - 28 Grassy Point
- Settlements include:
- 21 Macandrew Bay
  - 22 Company Bay
  - 23 Broad Bay
  - 24 Portobello
  - 25 Harwood
  - 26 Harington Point
  - 27 Collinswood Bush
  - 29 Ōtākou Marae
  - 30 Glenfalloch
  - 50 Te Rauone Beach
- 19 Kamau Taurua (Quarantine Island)
  - 20 Rakiriri (Goat Island)

Proposed Landscape Overalys

- Heyward Coast ONL
- Mount Cargill ONL
- Part Flagstaff / Mount Cargill SNL
- Pūrākaunui SNL
- West Harbour SNL
- Otago Peninsula ONL
- Harbour Islands and Portobello Peninsula ONF
- Peninsula / Harbourside SNL

Place names

- 31 Pūrākaunui
- 32 Mihiwaka
- 33 Mopanui
- 34 Mt Cargill
- 35 Signal Hill
- 36 Deborah Bay
- 37 Aramoana
- 38 Heyward Point
- 39 Pilot Point
- 40 Potato Point
- 41 Whareakeake
- 42 Purehurehu
- 43 Osborne
- 44 Wharewera (Long Beach)
- 45 Doctors Point
- 46 Martins Hill
- 47 Māpoutahi
- 48 Pūrākaunui Bay
- 49 BB
- 53 Kōpūtai (Port Chalmers)
- 54 Blueskin Cliff
- 55 Black Jacks Point
- 56 Kilgours Point

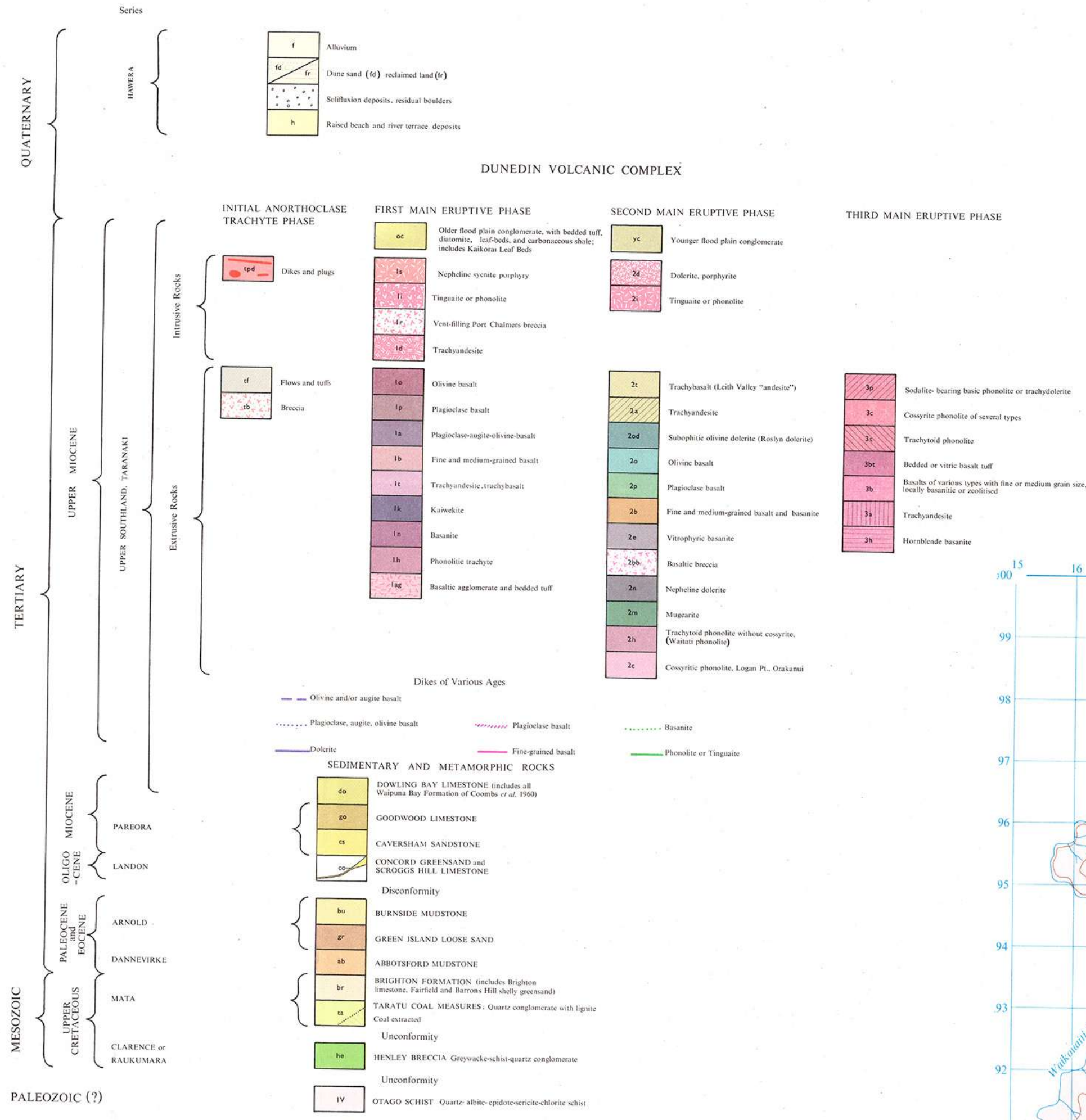


**Geology**

**sheet 2**

Reference: W.N.Benson. 1968. Dunedin District 1:50,000 DSIR

# THE W. N. BENSON GEOLOGICAL MAP OF DUNEDIN DISTRICT



Geopreservation Sites

- 4 Sandfly Bay / Pikiwhara
- 8 Lovers Leap
- 9 The Chasm
- 6 Hoopers Inlet
- 7 Papanui Inlet
- 10 Otago Peninsula Pyramids
- 11 Larnach Castle
- 25 Harwood stranded sea cliffs
- 55 Harwood earth flow
- 53 Sandymount terracettes
- 54 Sandymount lime kiln
- 31 Pūrākaunui Inlet
- 32 Mihiwaka / North Dunedin phonolite domes
- 33 Mopanui / North Dunedin phonolite domes
- 56 Mt Holmes organ pipes
- 57 North Dunedin phonolite domes
- 58 Aramoana-Heyward Point lava flows
- 59 Blueskin Bay Quaternary tidal flats and coastal features
- 60 Hare Hill / North Dunedin phonolite domes

(reference: New Zealand Geopreservation Inventory, Geoscience Society of New Zealand)

Proposed Landscape Overalys

- Heyward Coast ONL
- Mount Cargill ONL
- Part Flagstaff / Mount Cargill SNL
- Pūrākaunui SNL
- West Harbour SNL
- Otago Peninsula ONL
- Harbour Islands and Portobello Peninsula ONF
- Peninsula / Harbourside SNL
- Dunedin 2GP ONF
- Dunedin 2GP SNL

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Place names

- 1 Pukemata (Harbour Cone)
- 2 Pukekura (Taiaroa Head)
- 3 Peggys Hill
- 4 Pikiwhara / Sandfly Bay dunefields
- 5 Pikiwhara / Sandymount Sea Arch
- 6 Hoopers inlet
- 7 Papanui Inlet

Significant wetlands (Otago Regional Plan: Water) include:  
7 Papanui Inlet  
12 Ōkia  
13 Tomahawk lagoon  
6 Hoopers Inlet

- 12 Ōkia flat
- 7 Tuhiraki and Takakitaka o Te Piro o Kapo Papanui Inlet islands
- 14 Poatiri (Mt Charles)
- 15 Papanui Beach
- 16 Te Pahi (Allans Beach)
- 17 Ocean Grove
- 52 Muaupoko

Harbourside  
18 Portobello Peninsula  
51 Te Umukuri / Wellers Rock  
28 Grassy Point

Settlements include:  
21 Macandrew Bay  
22 Company Bay  
23 Broad Bay  
24 Portobello  
25 Harwood  
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27 Collinswood Bush  
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30 Glenfalloch  
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- 35 Signal Hill
- 36 Deborah Bay
- 37 Aramoana
- 38 Heyward Point
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- 41 Whareakeake
- 42 Purehurehu
- 43 Osborne
- 44 Wharewerawera (Long Beach)
- 45 Doctors Point
- 46 Martins Hill
- 47 Māpoutahi
- 48 Pūrākaunui Bay
- 49 BB
- 53 Kōpūtai (Port Chalmers)
- 54 Blueskin Cliff
- 55 Black Jacks Point
- 56 Kilgours Point

# Marine Habitat

## Place names

Otago Peninsula

- 1 Pukemata (Harbour Cone)
- 2 Pukekura (Taiaroa Head)
- 3 Peggys Hill
- 4 Pikiwhara / Sandfly Bay dunefields
- 5 Pikiwhara / Sandymount Sea Arch
- 6 Hoopers inlet
- 7 Papanui Inlet

Geopreservation sites include:

- 5 Sandymount / Pikiwhara
  - 4 Sandfly Bay / Pikiwhara
  - 8 Lovers Leap
  - 9 The Chasm
  - 6 Hoopers Inlet
  - 7 Papanui Inlet
  - 10 Otago Peninsula Pyramids
  - 11 Larnach Castle
  - 25 Harwood earth flow & Harwood stranded sea cliffs
- (reference: New Zealand Geopreservation Inventory, Geoscience Society of New Zealand)

Significant wetlands (Otago Regional Plan: Water) include:

- 7 Papanui Inlet
- 12 Ōkia
- 13 Tomahawk lagoon
- 6 Hoopers Inlet

- 12 Ōkia Flat
- 7 Tuhiraki and Takakitaka o Te Piro o Kapo Papanui Inlet islands
- 14 Poatiri (Mt Charles)
- 15 Papanui Beach
- 16 Te Pahi (Allans Beach)
- 17 Ocean Grove
- 52 Muaupoko

Harbourside

- 18 Portobello Peninsula
- 51 Te Umukuri / Wellers Rock
- 28 Grassy Point

Settlements include:

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- 23 Broad Bay
- 24 Portobello
- 25 Harwood
- 26 Harington Point
- 27 Collinswood Bush
- 29 Ōtākou Marae
- 30 Glenfalloch
- 50 Te Rauone Beach

- 19 Kamau Taurua (Quarantine Island)
- 20 Rakiriri (Goat Island)

## Legend:

### Reef

- Exposed Shallow Reef
- Deep Reef
- Sheltered Shallow Reef

### Estuarine habitats

- Estuarine Sandy Beach
- Estuarine Sand Flat
- Mud Flat

### Sand

- Exposed Shallow Beach
- Moderate Shallow Beach
- Sheltered Shallow Beach

## Proposed Landscape Overalys

- Heyward Coast ONL
- Mount Cargill ONL
- Part Flagstaff / Mount Cargill SNL
- Pūrākaunui SNL
- West Harbour SNL
- Otago Peninsula ONL
- Harbour Islands and Portobello Peninsula ONF
- Peninsula / Harbourside SNL

## Place Names

- 31 Pūrākaunui
- 32 Mihiwaka
- 33 Mopanui
- 34 Mt Cargill
- 35 Signal Hill
- 36 Deborah Bay
- 37 Aramoana
- 38 Heyward Point
- 39 Pilot Point
- 40 Potato Point
- 41 Whareakeake
- 42 Purehurehu
- 43 Osborne
- 44 Wharewerawera (Long Beach)
- 45 Doctors Point
- 46 Martins Hill
- 47 Māpoutahi
- 48 Pūrākaunui Bay
- 49 BB
- 53 Kōpūtai (Port Chalmers)
- 54 Blueskin Cliff
- 55 Black Jacks Point
- 56 Kilgours Point

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sheet 5

Wāhi Tūpuna



2GP Mapped Areas

- 14 Pūrākaunui to Hikaroroa to Huriawa
- 16 Blueskin Bay
- 17 Māpoutahi and Mateawheawhe (beach at Pūrākaunui Bay)
- 18 Pūrākaunui
- 19 Wharewerawera (Long Beach)
- 20 Whareakeake
- 21 Hill faces near / at Aramoana
- 22 Saltmarsh and spit at Aramoana
- 23 Ōtākou Harbour
- 24 Otaheiti (Acheron Point)
- 25 Rakiriri (Goat Island)
- 26 Kamau Taurua (Quarantine island)
- 28 Peaks from Mihiwaka and Mt Kettle to Mt Cargill
- 29 Pukekura (Taiaroa Head)
- 31 Ōtākou Marae Reserve
- 32 Views from Ōtākou Marae around Upper Harbour
- 33 Ōkia Flat
- 34 Ōtākou Native Reserve
- 36 Poatiri (Mt Charles)
- 37 Papanui Beach
- 38 Te Pahi
- 39 Pukemata (Harbour Cone)
- 40 Pikiwhara (Sandymount) and Sandfly Bay
- 41 Upper slopes and peaks of Otago Peninsula
- 42 Ocean Grove
- 53 Islands off Southern Coast
- 69 Tau Muraki
- 70 Pipikaretu

(2GP Section 14, Manawhenua and Appendix A4)

Proposed Landscape Overalys

- Heyward Coast ONL
- Mount Cargill ONL
- Part Flagstaff / Mount Cargill SNL
- Pūrākaunui SNL
- West Harbour SNL
- Otago Peninsula ONL
- Harbour Islands and Portobello Peninsula ONF
- Peninsula / Harbourside SNL
- Dunedin 2GP ONF
- Dunedin 2GP SNL

1 Place names

- 1 Hereweka (Harbour Cone)
- 19 Kamau Taurua, Ōtākou Har-  
bour (Quarantine Island)
- 17 Ocean Grove
- 12 Ōkia Flat
- 29 Ōtākou Marae
- 7 Papanui Inlet
- 7 Tuhiraki and Takakitaka o  
Te Piro o Kapo (Papanui Inlet  
islands)
- 15 Papanui Beach
- 5 Pikiwhara (Sandymount) and  
4 Sandfly Bay
- 14 Poatiri (Mt Charles)
- 2 Pukekura (Taiaroa Head)
- 1 Pukemata (Harbour Cone)
- 20 Rakiriri, Ōtākou Harbour  
(Goat Island)
- 16 Te Pahi (Allans Beach)
- 50 Te Rauone Beach
- 51 Wellers Rock
- 52 Muaupoko
- 37 Aramoana
- 53 Kōpūtai (Port Chalmers)
- 47 Māpoutahi
- 48 Mateawheawhe
- 32 Mihiwaka
- 33 Mopanui
- 31 Pūrākaunui
- 48 Pūrākaunui Bay
- 42 Purehurehu
- 44 Wharewerawera (Long  
Beach)
- 41 Whareakeake

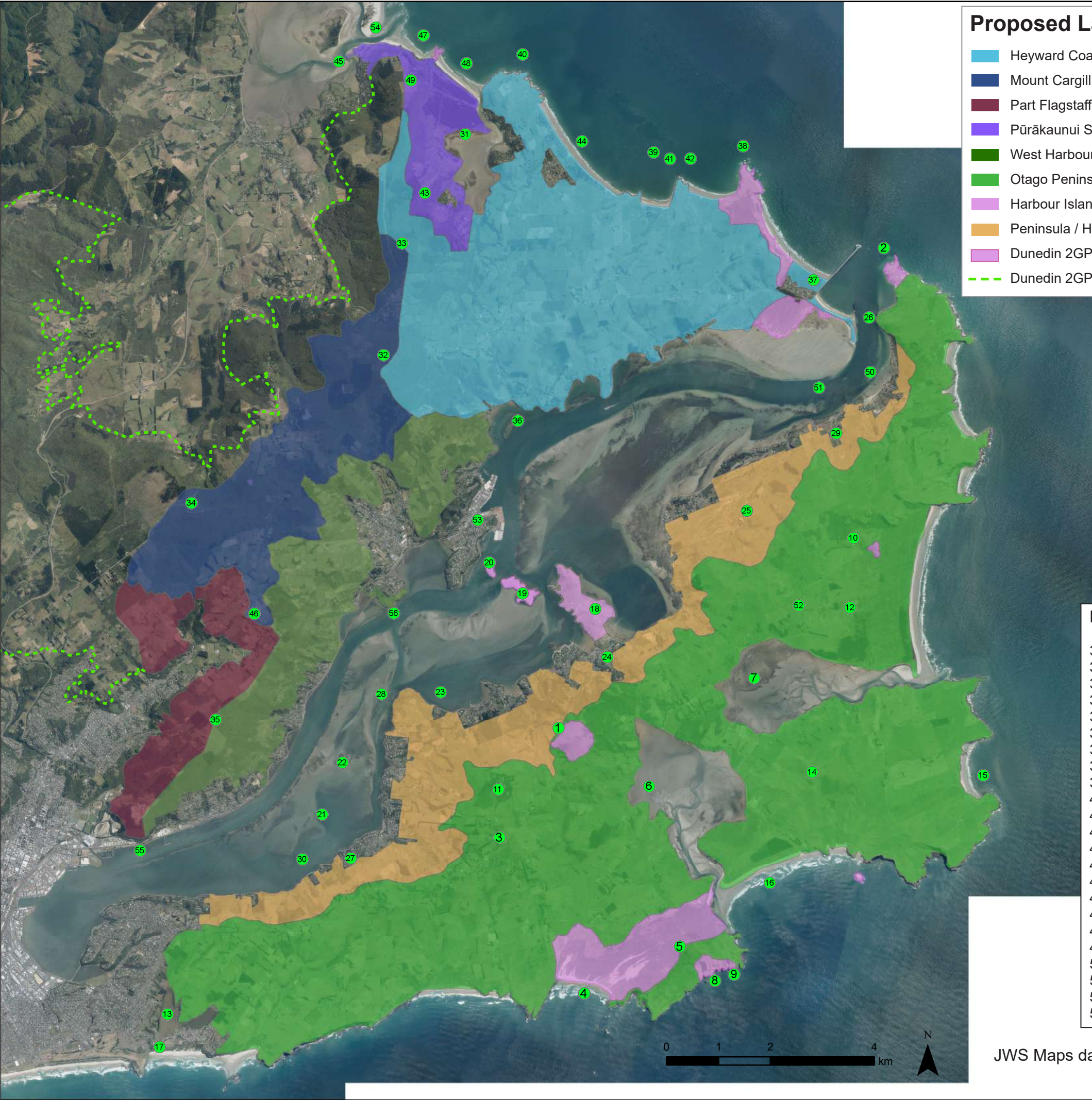
0 1 2 4 km



JWS Maps dated 02/06/2020. Print @ A3.

Place names

- Otago Peninsula
- 1 Pukemata (Harbour Cone)  
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27 Collinswood Bush  
29 Ōtākou Marae  
30 Glenfalloch  
50 Te Rauone Beach
- 19 Kamau Taurua (Quarantine Island)  
20 Rakiriri (Goat Island)

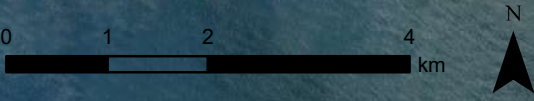


Proposed Landscape Overalys

- Heyward Coast ONL
- Mount Cargill ONL
- Part Flagstaff / Mount Cargill SNL
- Pūrākaunui SNL
- West Harbour SNL
- Otago Peninsula ONL
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- Peninsula / Harbourside SNL
- Dunedin 2GP ONF
- Dunedin 2GP SNL

Place names

- 31 Pūrākaunui  
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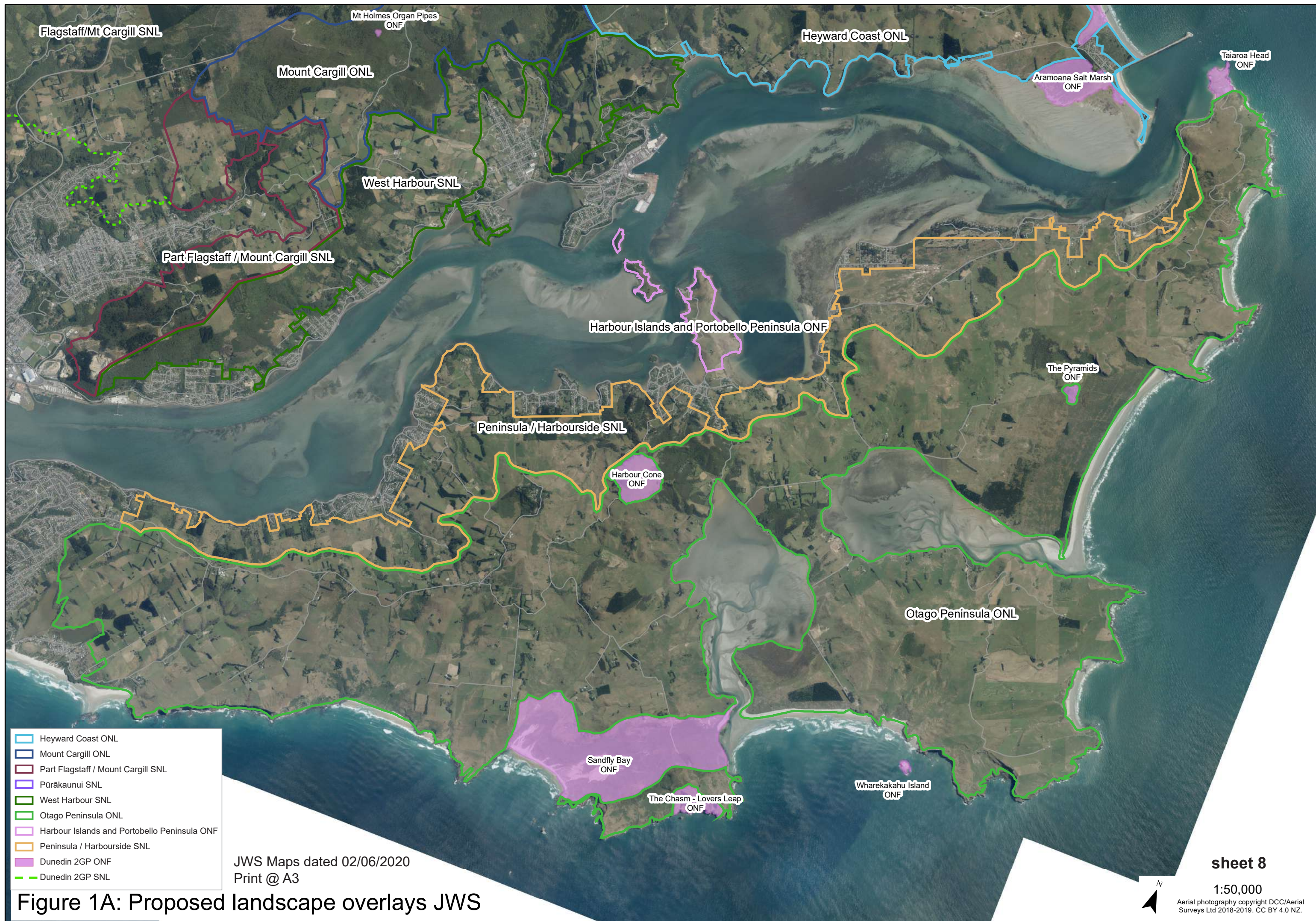
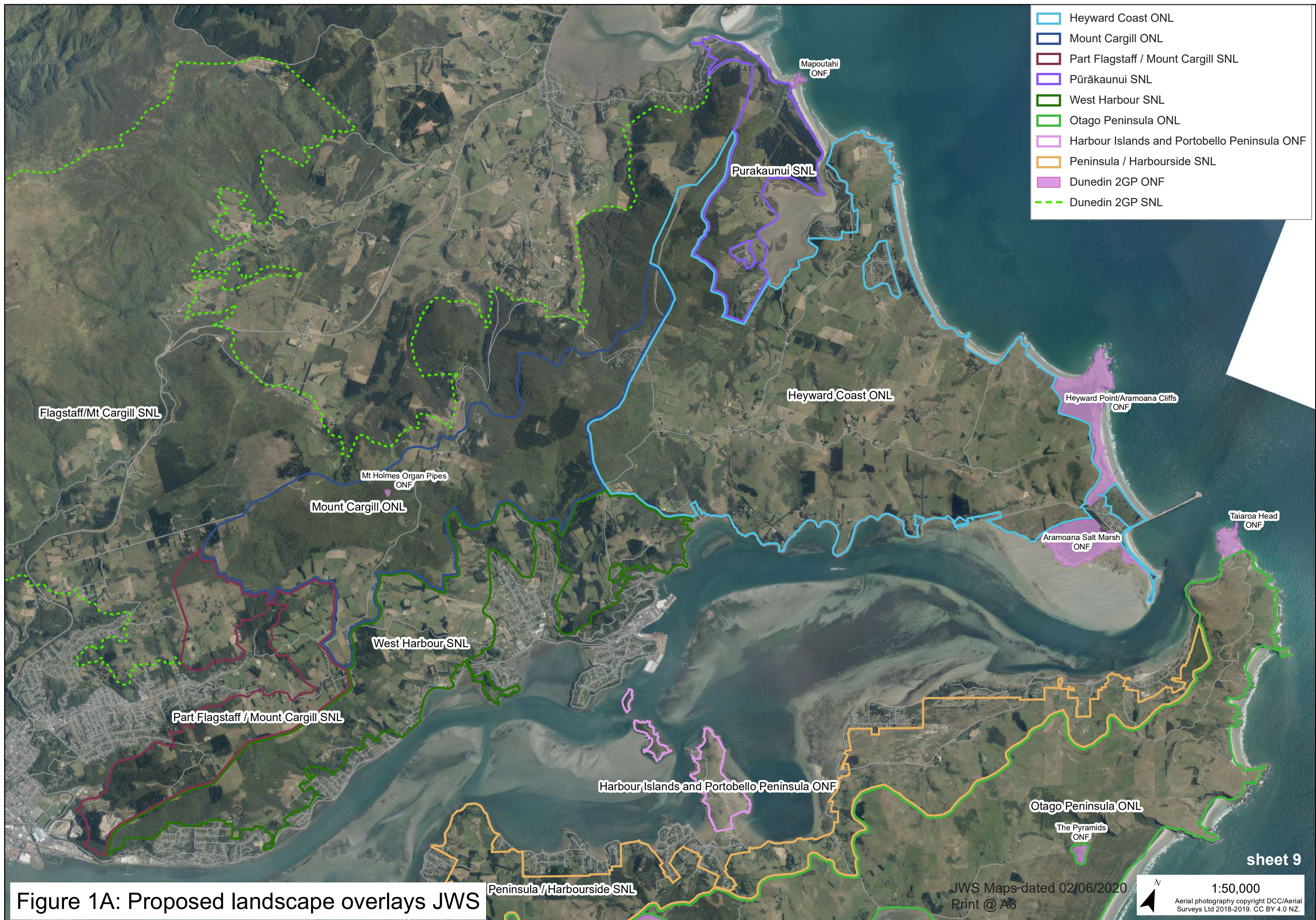
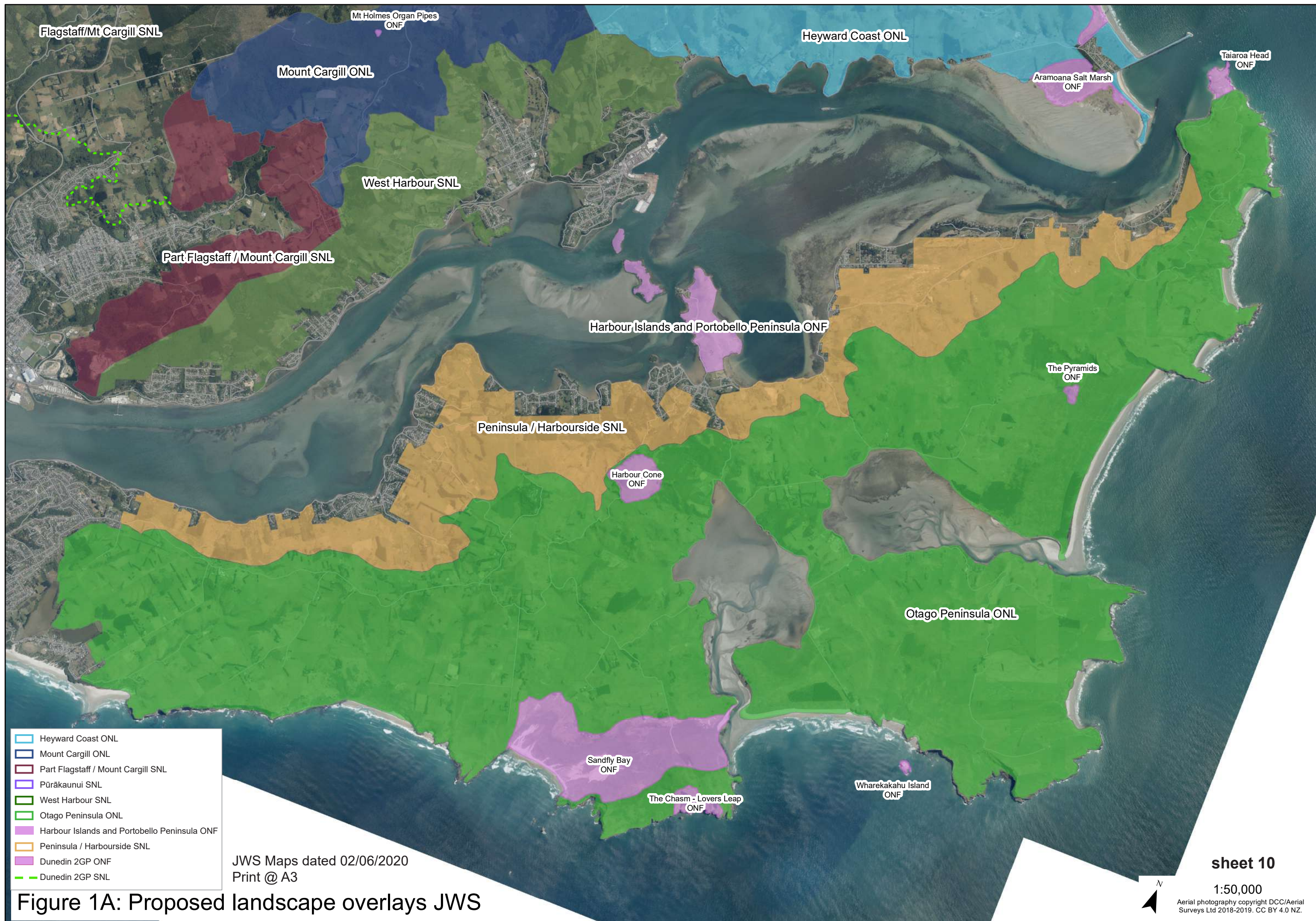
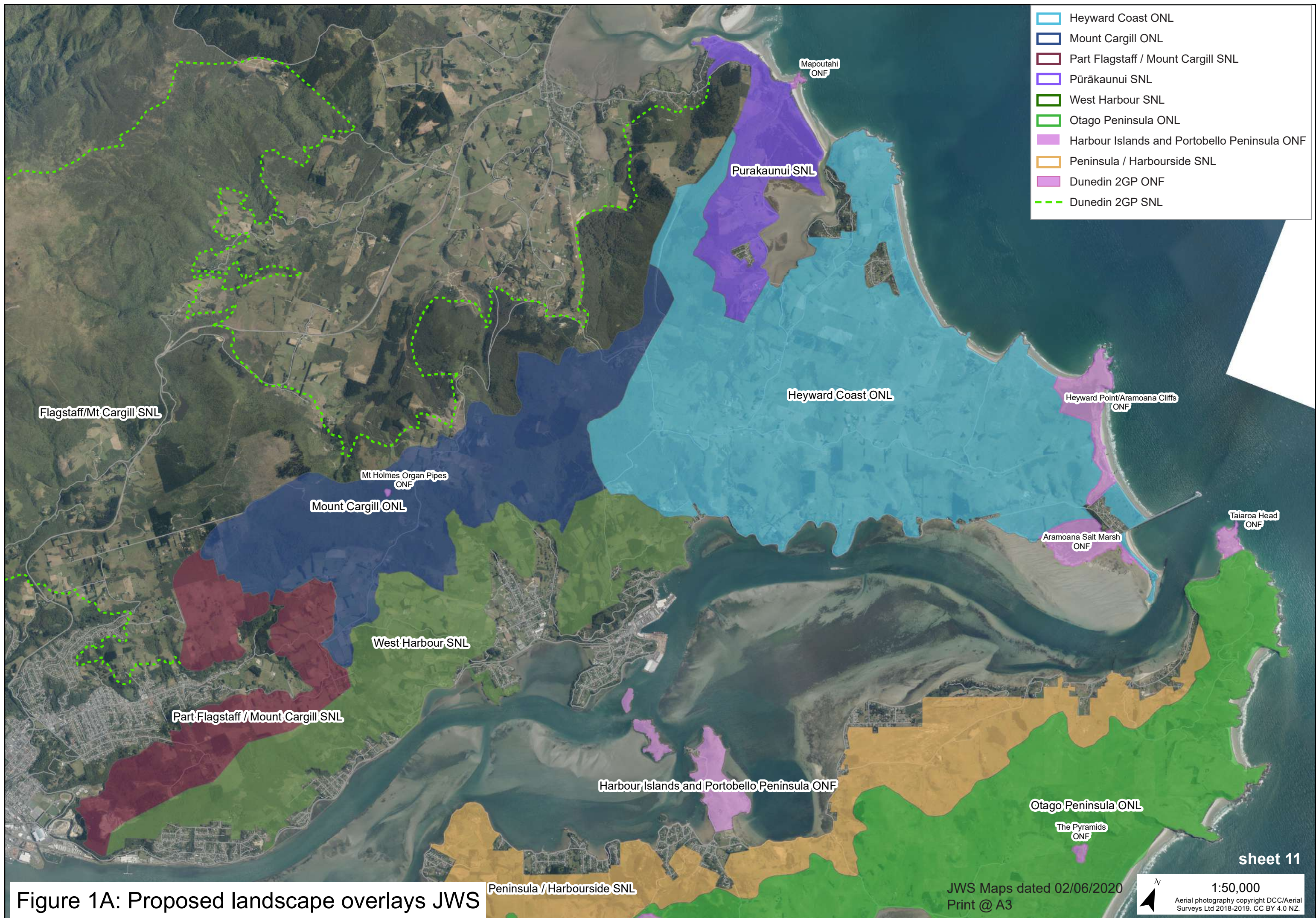


Figure 1A: Proposed landscape overlays JWS







pONL (PCT)

Place names

Otago Peninsula

- 1 Pukemata (Harbour Cone)
- 2 Puhekura (Taiaroa Head)
- 3 Peggys Hill
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- 7 Papanui Inlet

Geopreservation sites include:

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  - 4 Sandfly Bay / Pikiwhara
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  - 7 Papanui Inlet
  - 10 Otago Peninsula Pyramids
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  - 25 Harwood earth flow & Harwood stranded sea cliffs
- (reference: New Zealand Geo-preservation Inventory, Geoscience Society of New Zealand)

Significant wetlands (Otago Regional Plan: Water) include:

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- 12 Ōkia
- 13 Tomahawk lagoon
- 6 Hoopers Inlet

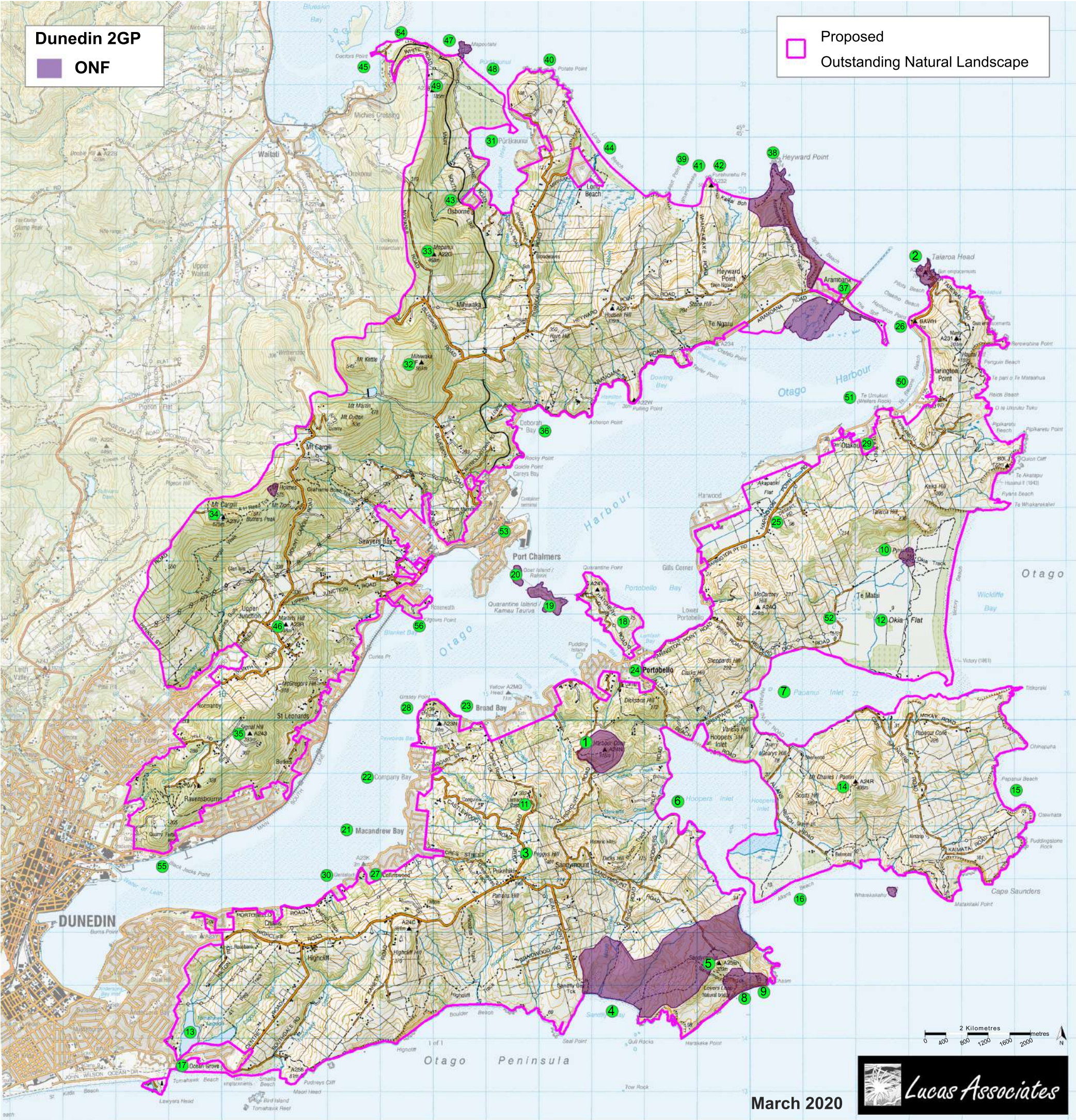
- 12 Ōkia Flat
- 7 Tuhiraki and Takakitaka o Te Piro o Kapo Papanui Inlet islands
- 14 Poatiri (Mt Charles)
- 15 Papanui Beach
- 16 Te Pahi (Allans Beach)
- 17 Ocean Grove
- 52 Muaupoko

- Harbourside
- 18 Portobello Peninsula
- 51 Te Umukuri / Wellers Rock
- 28 Grassy Point

Settlements include:

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- 22 Company Bay
- 23 Broad Bay
- 24 Portobello
- 25 Harwood
- 26 Harington Point
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- 19 Kamau Taurua (Quarantine Island)
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- 32 Mihiwaka
- 33 Mopanui
- 34 Mt Cargill
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- 36 Deborah Bay
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- 38 Heyward Point
- 39 Pilot Point
- 40 Potato Point
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- 43 Osborne
- 44 Wharewawera (Long Beach)
- 45 Doctors Point
- 46 Martins Hill
- 47 Māpoutahi
- 48 Pūrākaunui Bay
- 49 BB
- 53 Kōpūtai (Port Chalmers)
- 54 Blueskin Cliff
- 55 Black Jacks Point
- 56 Kilgours Point

RURAL RESIDENTIAL 1 AND 2 ZONES

Otago Peninsula

- 3.2.1 Portobello
- 3.2.2 Turnbells Bay
- 3.2.3 Company Bay and Broad Bay
- 3.2.4 Highcliff and Portobello Roads at The Cove

West Harbour

- 3.3.1 Sawyers Bay
- 3.3.2 Cleghorn Street
- 3.3.3 Curles Point
- 3.3.4 St Leonard's
- 3.3.5 Burkes
- 3.3.6 Ravensbourne
- 3.3.7 Deborah Bay
- 3.3.8 Maia/Burkes

Mt Cargill - Pūrākaunui

- 3.4.1 Cowan Road
- 3.4.2 Campbells Road
- 3.4.3 Orokonui
- 3.4.4 Osborne

Dunedin 2GP

Rural Residential

- Rural Residential 1
- Rural Residential 2

PCT Appeal Area

- Rural Residential 1
- Rural Residential 2

Proposed Landscape Overalys

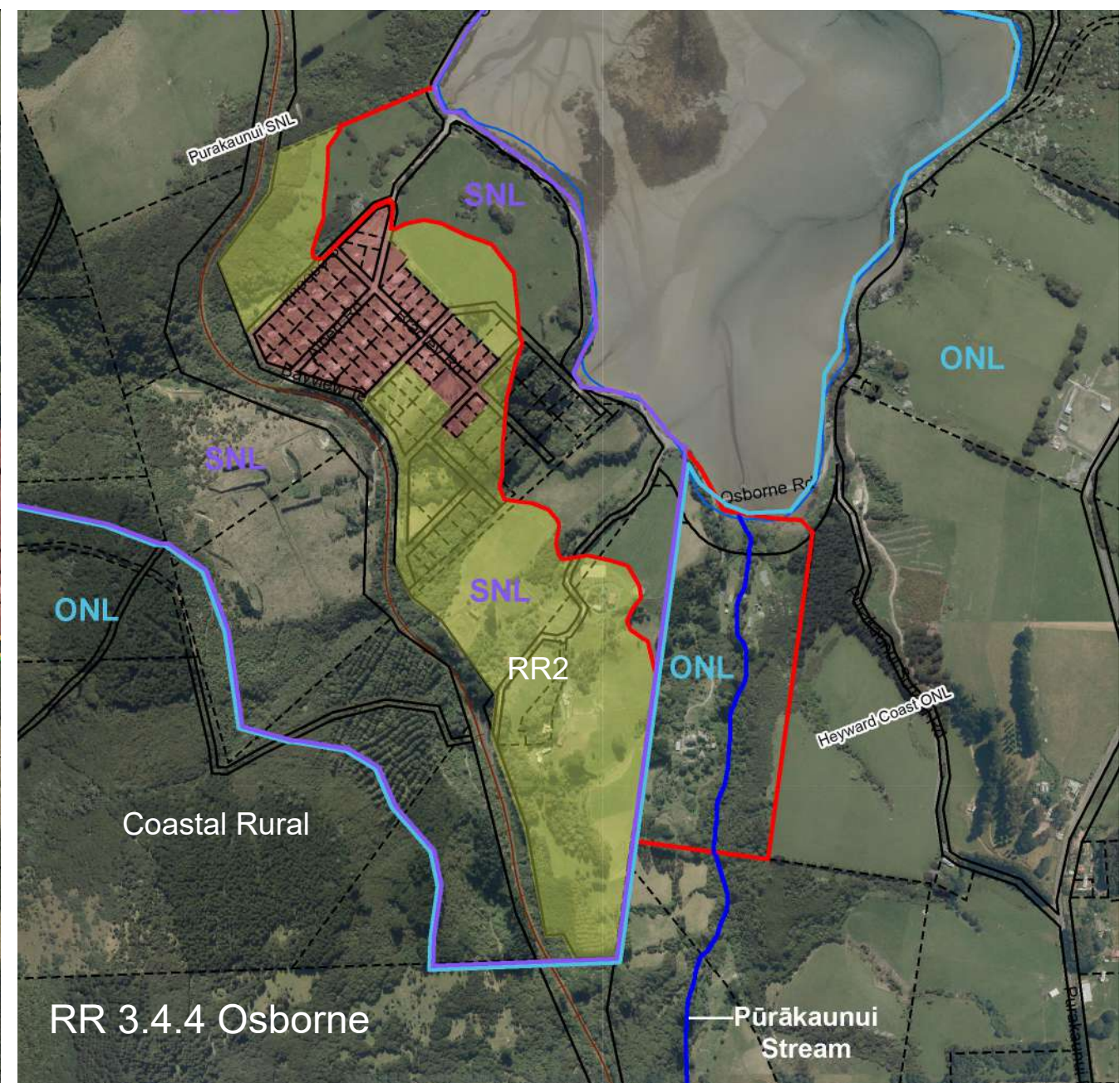
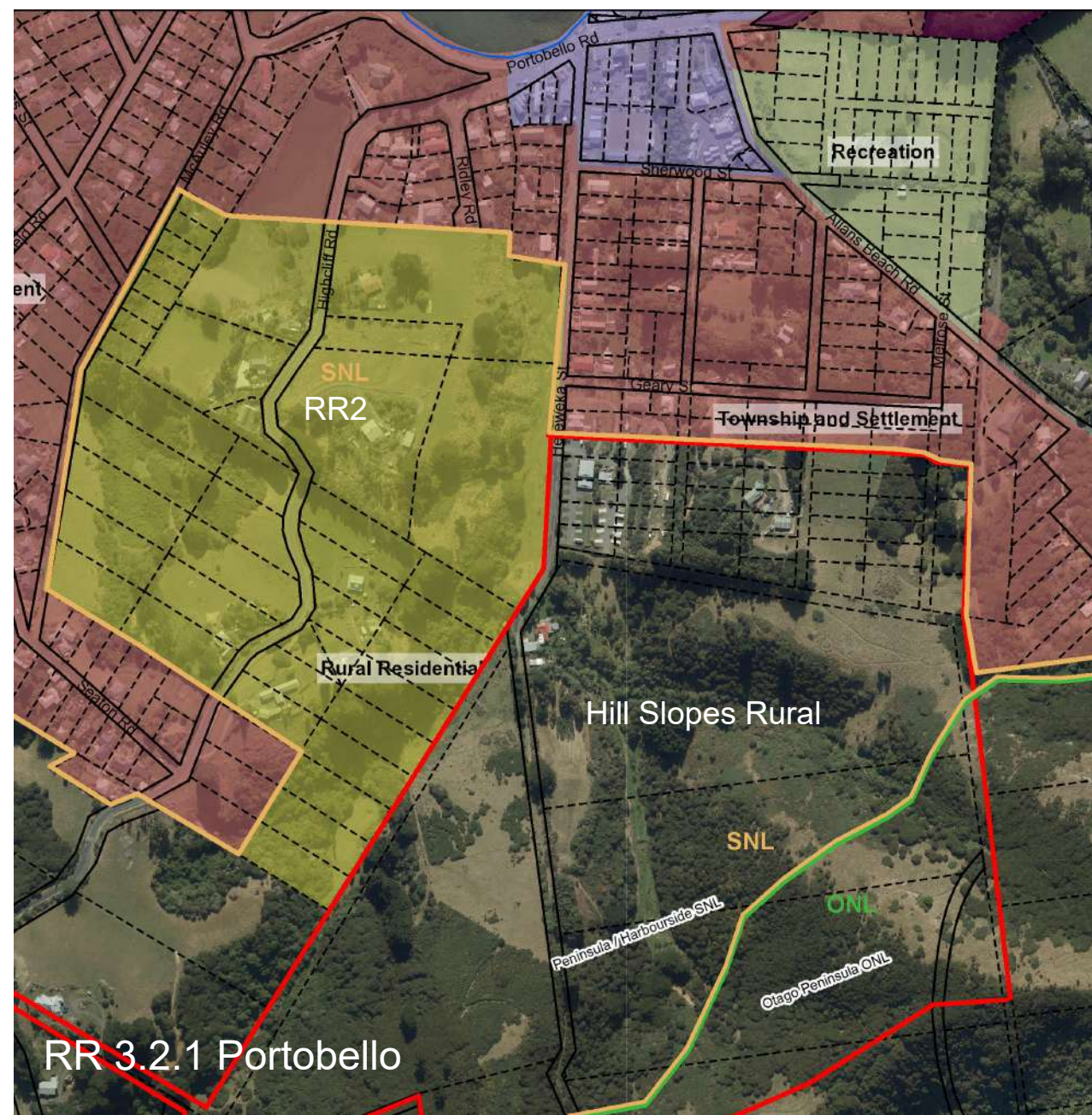
- Heyward Coast ONL
- Mount Cargill ONL
- Part Flagstaff / Mount Cargill SNL
- Pūrākaunui SNL
- West Harbour SNL
- Otago Peninsula ONL
- Harbour Islands and Portobello Peninsula ONF
- Peninsula / Harbourside SNL
- Dunedin 2GP ONF
- Dunedin 2GP SNL

# RR 3.2.4 The Cove

Otago Peninsula ONL  
Peninsula / Harbourside SNL

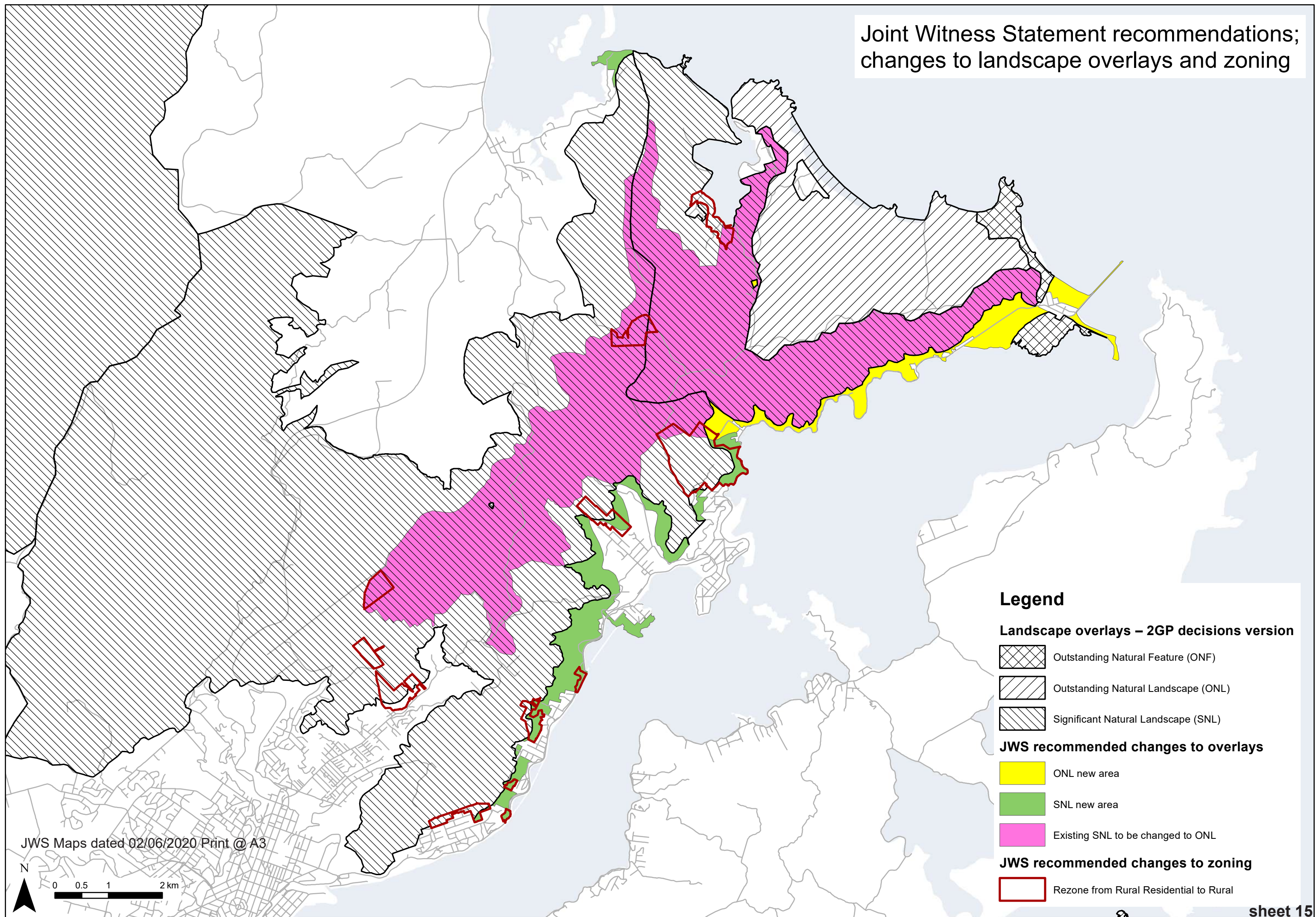


RR2 to be deleted  
RR2 to be retained



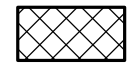
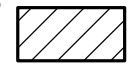
Heyward Coast ONL  
Pūrākaunui SNL  
RR2 to be deleted  
RR2 to be retained

Joint Witness Statement recommendations;  
changes to landscape overlays and zoning



## Legend

### Landscape overlays – 2GP decisions version

-  Outstanding Natural Feature (ONF)
-  Outstanding Natural Landscape (ONL)
-  Significant Natural Landscape (SNL)

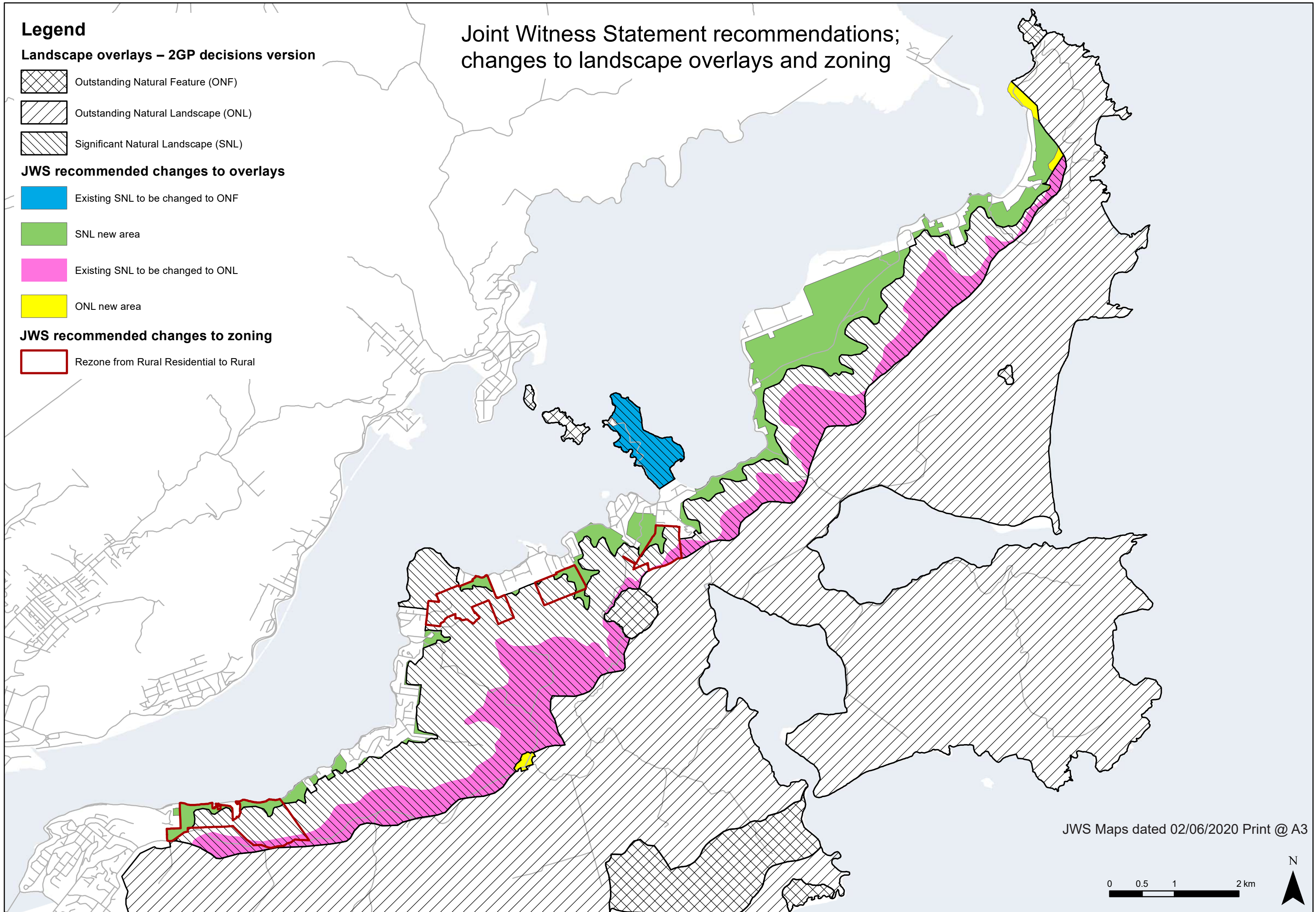
### JWS recommended changes to overlays

-  Existing SNL to be changed to ONF
-  SNL new area
-  Existing SNL to be changed to ONL
-  ONL new area

### JWS recommended changes to zoning

-  Rezone from Rural Residential to Rural

## Joint Witness Statement recommendations; changes to landscape overlays and zoning



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0 0.5 1 2 km

N