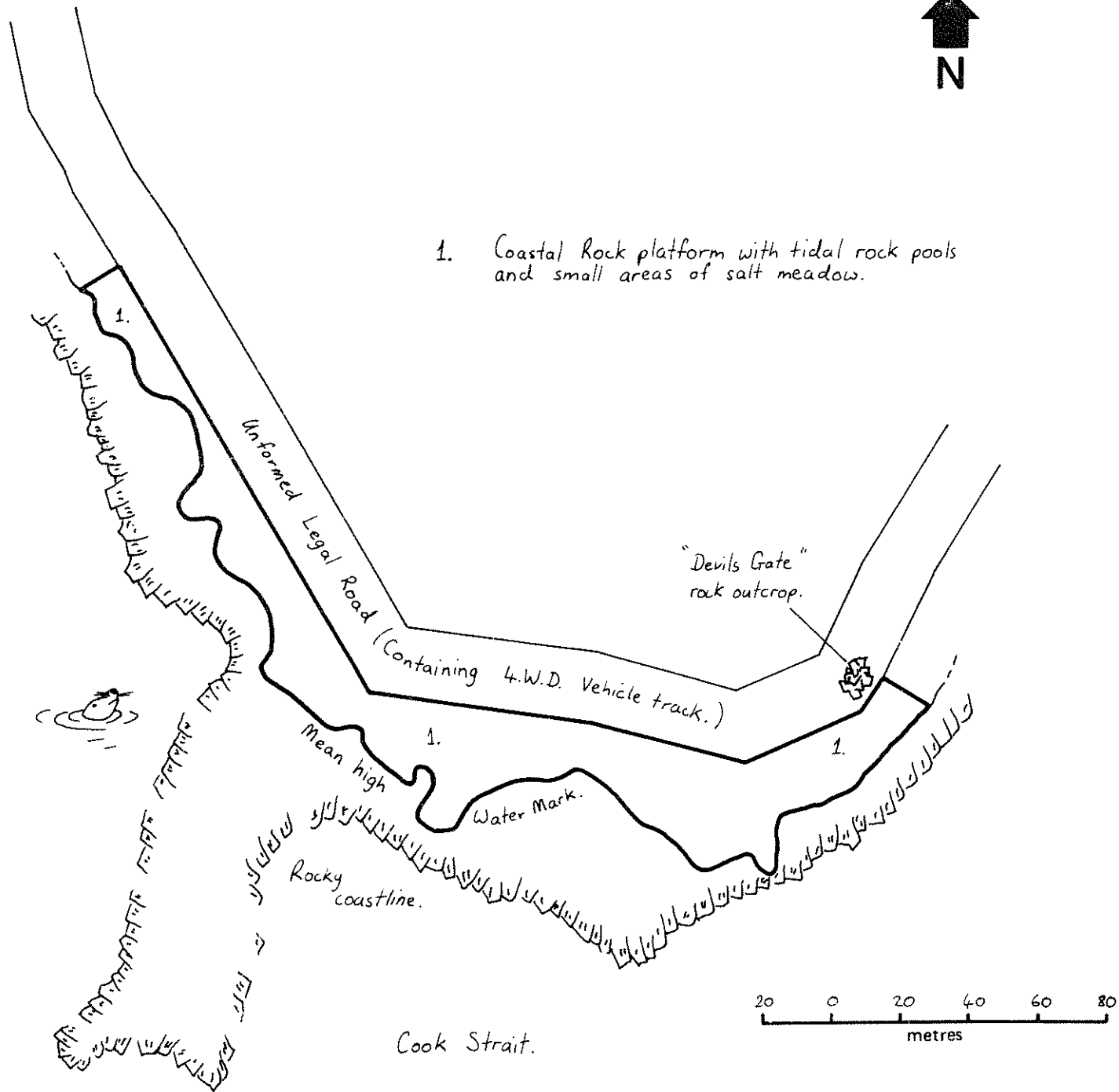




1. Coastal Rock platform with tidal rock pools and small areas of salt meadow.



Sinclair Head Scientific Reserve (proposed)

Area: 0.624 ha

SINCLAIR HEAD SCIENTIFIC RESERVE (PROPOSED)						GRID REF R 27 535 814		
for: scenery	bush	scrub/tussock etc	wetland	plants	animals ✓	geology/soil	history: prehistory	water supply
LOCATION On southern coast.						AREA ha/m ² 0.6240		
ACCESS Along coast road from Owhiro Bay quarry.						L.D. No. 159		
OUTLINE & TOPO Coastal rock platform.						STATUS Scientific		
SURROUNDINGS Steep coastal cliffs rising to 40m to the north, Cook Strait on other sides.						RES sub-Cttee		
GEOLOGY Alternating argillite and greywacke.						CONTROL CCL		
SPM						GAZETTED 1983/272		
SOIL Little soil development.						RESERVED		
DRAINAGE Impeded in places.						HISTORY Reserved to protect southern fur seal hauling-out area.		
						AIR PHOTO SN 5497 E/10 Date 1980		
						nearby town ... 5.5 km Island Bay		
						nearest reserve ... 1 km Red Rocks		
						public road ... 0 km		
						sea (km) ... 0		
						ALTITUDE m ² 0-5		
						ASPECT South-west		
						RAIN mm/INX 1030 (approx)		
						NAT FERTILITY -		

RES	NOT	LO	NZ	LO	NZ	MAIN HABITATS and FEATURES		%	area	native		ex	regen	NAT	TREND ²	exotics
						area	ha			1 ^o	2 ^o ind					
✓		✓				1. Coastal rock platform.		100	0.62	✓						
						Contains tidal rock pools with characteristic exposed shoreline communities with green, brown and red algae, chitons, limpets, paua, crabs, barnacles, sea anemones, polychaete worms, prawns and cock-a-bullies.										
						Small areas of salt meadow with vegetation dominated by <i>Selliera</i> , <i>Triglochin</i> , sea primrose, <i>Scirpus cernuus</i> and <i>Lilaeopsis</i> .										
						Scattered weeds in the vicinity of the road.										
						A large boulder in the reserve supports small clumps of silver tussock, ice plant, shore groundsel, and <i>Asplenium terrestre</i> ssp <i>maritimum</i> .										
								100	0.62							

CONDITION Good.

FENCING No.

PRIORITY Nil.

RATING 0-10

SCIENTIFIC ...6. Male southern fur seal hauling-out area in winter months.

SCENIC ...4

RECREATION ...4

CONCLUSIONS and RECOMMENDATIONS

Closest seal colony to any major town or city in New Zealand. Contains typical coastal rock communities.

The reserve should be enlarged to encompass much more of the coastal vegetation. Vegetation of the coastal cliffs is unrepresented in the Wellington mainland reserves.

¹ NATURALNESS ² TREND: D deteriorating; S steady; I improving

REFERENCES

SUMMARY	HABITATS											ORGANISMS	INFER				OBSERVED										
	sw/fw coast	sw/fw beach	sw/fw estuary	sw/fw rockpool	lake 120m +	pool/tern	river 5m +	stream	spring/seepage	veg			substrate			pollution		access		N	S	M	L	M	H	initials	
tall conifer ¹ forest/trees conifer ² forest/trees beech forest/trees BL ³ forest/trees scrub/shrubs <6m tall tussocks/grassland short tussocks/grassland grassland/grasses sedgeland/sedges rushland/rushes/raupo hermland/herbs "tussock" hermland ⁴ fernland/ferns "moss" land bracken exotic grassland ⁵ exotic hermland/woodland exotic scrub/shrubs exotic forest/trees introduced "native" cover bog/swamp/pakihi marsh sw/fw mudflat sw/fw bluff/rocks bluffs/rocks in bush waterfall cave/gorge gravel habitat/scree dune/sand limestone ultrabasics geological site coastal rocks breeding ground same interesting animals rare/interesting plants historic site historic building prehistoric site camp /midden/pits terraces/earthworks burial/tapu																											

Indicator sp. (but not on list)

TREES AND SHRUBS

Native

Cassinia leptophylla
Coprosma propinqua

Coprosma repens
Olearia solandri

Plagianthus divaricatus ✓

CLIMBERS, LIANES ETC.

Native

Calystegia soldanella

* Muehlenbeckia complexa

Adventive

Calystegia

GRASSES, RUSHES AND LIKE PLANTS

Native

Carex flagellifera
C. pumila
Festuca multinodis

Luzula banksiana
Poa laevis
Puccinellia stricta

Scirpus cernuus (=Isolepis cernua)
S. nodosus (=Scirpoides
nodosa)

Adventive

Bromus diandrus

Festuca arundinacea

HERBS

Native

Aciphylla squarrosa
Apium prostratum
Atriplex sp.
Cotula coronopifolia
Craspedia uniflora var. ? *Grandis*
Crassula moschata

Disphyma australe
Lilaeopsis sp. (cf. L. novae-
zelandiae)
Linum monogynum
Phormium cookianum

Pseudognaphalium luteo-album
Sarcocornia quinqueflora
Selliera radicans
Senecio lautus
Triglochin striatum

Adventive

Anagallis arvensis
Geranium molle
Glaucum flavum
Nasturtium sp.

Plantago coronopus
P. lanceolata
Rumex acetosella
R. obtusifolius

Silene gallica
Silene sp.
Spergularia media
Vicia hirsuta

FERNS AND ALLIES

Native

Asplenium terrestre var. maritimum

ALGAE

Green

Chaetomorpha aerea
Codium adhaerens

Enteromorpha sp.

Ulva lactuca

Brown

Carpophyllum maschalocarpum
Colponemia sinuosa
Cystophora torulosa

Durvillea antarctica
Halopteris spicigera

Hormosira banksii
Ralfsia verrucosa

Red

Champia novaezelandiae var.
Corallina officinalis

Gelidium pusillum

Lithothamnion sp.

MOLLUSCS

Amaurochiton glaucus
Ischnochiton maorianus
Sypharochiton pelliserpentis
Thais scalaris
Haustrum haustorium
Cominella maculosa

Lepsiella scobina
Melagraphia aethiops
Nerita melanotragus
Turbo smaragdus
Littorina unifasciata
Haliotis iris

Micrelenchus sp.
Notoacmea sp.
Atalacmea fragilis
Patelloida corticata
Cellana ornata
C. radians

CRUSTACEANS

Chamaesipho brunnea
Elminius modestus
Palaemon affinis

Alope spinifrons
Isopod

Petrolisthes elongatus
Hemigrapsus edwardsi

ANEMONES

Isactinia tenebrosa

Isocradactis magna

STARFISH

Coscinasterias alamarina

Ophionereis fasciata

Patiriella regularis

POLYCHAETES

Pomatoceros caeruleus

Spirorbis sp.

FISH

Tripterygion varium