

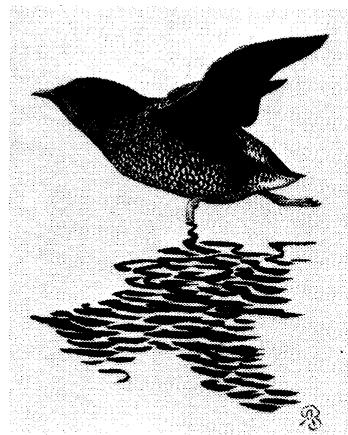
*Catalog of Washington*

*Seabird Colonies*

**MAPS**

**AND**

**TABLES**



## HOW TO USE MAPS AND TABLES

The tables in this catalog are all standardized, using the same format and codes throughout. With only a few minor differences they are the same as the tables and codes used in the Catalog of California Seabird Colonies (Sowls et al. 1980). The codes and fields as used in this catalog are explained and terms are defined below.

### Map Area

The Map Areas used in this catalog are based upon the United States Geological Survey (USGS) National Topographic map series, scale 1:250,000. The maps have been numbered by the U.S. Fish and Wildlife Service and cover the United States. Each standard Map Area is normally one degree latitude high and two degrees longitude wide. In Washington there are five such Map Areas that cover all the marine shoreline of the State. The general geographic location of the Map Areas in Washington and Map Area Numbers appear on the Map Index page (below).

### Map Area Numbers

These are the numbers that have been assigned to each Map Area. This number appears at the top of each page in the Maps and Tables section.

### Map Area Names

These are the names that appear on the USGS 1:250,000 topographic maps; they appear on the top of each page in the Maps and Tables

section, immediately after the Map Area Number.

### Colony Numbers

Each site of breeding, potential breeding, or past breeding by marine birds in Washington is given a Colony Number. Many of the Colony Numbers used in this catalog were first assigned by Varoujean (1979). If his numbers are not used, explanation is given. We assigned Colony Numbers in each Map Area to appropriate sites by using numbers coming immediately after those assigned by Varoujean (1979). He did not assign numbers in all Map Areas.

The Colony Number is made up of two parts. The first three digits correspond to the Map Area number of the Map Area in which the colony site is found. The last three digits are numbers assigned in consecutive order by, in some cases, Varoujean (1979) and, in the remainder, by us to each site in the Map Area. In the tables the number in the circle is the Site Number within the Map Area number that appears at the top of each page. The Site Numbers also appear in the circles labeling sites on the maps on the right hand pages of the Maps and Tables section.

### Colony Names

Each site is given a Colony Name. Many site names were assigned by Varoujean (1979), and they are retained. Other site names were assigned by us. The Colony Name immediately follows the Colony Number on the top of the tables. Colony Names that are not in quotation marks are derived

from the names found on standard USGS topographic maps, generally 1:24,000 series maps. Names that appear in quotation marks do not appear on these maps for the referred-to sites and locations. Lower case sites and location name description modifiers also do not appear on these maps. Names in quotation marks are derived from (1) National Oceanic and Atmospheric Administration, National Ocean Survey, Nautical Charts; (2) local use; (3) the literature; (4) previous investigators; or (5) assignment by the authors. Several sites have the same Colony Name, and we have made no attempt to eliminate duplications, as names are generally derived from the USGS topographic maps. An alphabetical listing of sites is contained in Appendix A, Gazetteer of Localities.

#### Latitude-Longitudes

The latitude and longitude were determined for every site in this catalog, and coordinates previously determined by Varoujean (1979) were redone. Since it is difficult to make determinations of latitude and longitude from the USGS topographic maps, all determinations were made from NOAA Nautical Charts using the largest scale chart available for every site. Determinations were made with calipers as best as possible within the limits of the size of the site and the scale of the nautical charts.

#### Species Names

There are 18 species of "marine birds" that are breeding or have bred in marine habitats in Washington, and they are documented by this catalog. Species names follow those found

in the Thirty-fourth Supplement to the American Ornithologists' Union Check-list of North American Birds (1982), with one exception: the American Black Oystercatcher is called Black Oystercatcher here to save space in the tables.

#### Number of Breeding Birds

This field in the tables contains the probable number of breeding individuals of each species at each Colony Site on each survey. (See Data Quality below for comments on the accuracy of these figures.) Other symbols also appear in this field combined with numbers of individuals or alone. The definitions of these symbols as they are used here follow:

X = Definitely present and breeding, but numbers breeding are not available or cannot be determined from the data available.

P = Present and probably nesting, but status cannot be definitely determined, either in the field or from the information in the source document.

B = Indicates that the number of adults present, such as Ring-billed Gulls or Glaucous-winged Gulls, was estimated from the number of young pre-fledgling birds banded at the ratio of 1.5 banded young equal two adult breeding birds.

? = The breeding status of the birds present cannot be determined, either in the field or in source documents.

N = Birds may be present, but in any case the species probably is not breeding at the site. This code is generally not used except in special cases; i.e., where there is particular reason to document the breeding absence of the species at the site. This is generally used for species with small populations in the State to document their absence from previous, suspected, or potential sites of breeding.

When a species' data line in a colony table is in reference to specimens or eggs (see Survey Type field), the numbers in this field refer, in the case of eggs, to the number of sets collected with two adults being recorded for each egg set. For specimens, the number refers to the actual number of specimens collected.

#### Sources

This field identifies the sources from which the data of breeding birds for the sites were obtained. There is a large range of data sources used in this catalog. Sources that include a date in the field refer to publications of various types. Names without dates refer to a variety of sources that include collectors, agencies, field notes of investigators, and personal communications. Full details of each source are found in the Reference section of the catalog. The Reference Numbers at the far right of the tables correspond to the sources that appear in the Source field and help to specifically identify each source in the Reference section.

Where possible, we have identified where reference material can be found when not in standard journals or government documents. Thus reference to collectors of eggs and specimens are identified the museum holding the referred-to specimens at the time of our survey. Other sources are identified as the library or museum holding material such as field notes and correspondence.

#### Survey Date

The survey date is when observations of the referred-to species were made. For specimens this is the date of collection, and for banding, the date the banding took place. In many cases, it is not possible to determine the exact date of observations, collecting, banding, etc., and we have then made the best determination possible. Thus, many dates include a date range: several days, the month or months, the time of year, the year alone, or a range of years. Our accuracy for determining dates is limited by the accuracy of the observers in the recording of their data in their notes, on specimen labels, or in published articles.

#### Survey Type

The code in this column describes the platform of observation and method employed in acquiring the data given in estimates of numbers of birds present. This designation reflects the Data Quality below.

A = Aerial. Survey conducted from an airplane or helicopter.

B = Boat. Survey conducted from a boat, ranging in

size from Washington State Ferries to a small Zodiac.

M = Mainland. Survey made of the site from the mainland or another nearby island.

L = Land. Survey made of the site on foot.

S = Specimen. This code indicates that one or more specimens were collected. See the number of Breeding Birds field for the number of specimens collected.

E = Egg. This code indicates that a one or more egg sets were collected. See Number of Breeding Birds field for the number of sets collected; two adult birds were recorded for each egg set taken.

#### Data Quality

This field's codes quality the data collected, specifically the number of each species determined to be nesting at the site. The codes all relate to the observing of nests and the proportion of the actual total number of nests that were observed. The code definitions are as follows:

I = The numbers represent a total count of all nests of the subject species; no nests were omitted from the survey.

II = Some nests were missed in the survey or misidentified; the error in numbers is small.

III = Only a small sample of nests was obtained, and

the nesting individuals were extrapolated from the sample over the area of appropriate habitat at the site. Most estimates of the number of burrowing birds were obtained in this manner, usually through a small number of grid samples in the colony. Nocturnal burrowing species were estimated in this manner at several sites. For diurnal burrowing species, such as the Tufted Puffin, birds were sometimes counted in front of their burrows on the colony slopes.

For species such as the Glaucous-winged Gull, many entries of breeding numbers are coded "III" even though all birds on the site were counted. The Data Quality codes refer to nests only and are used here to allow conformity with the seabird catalogs for California and Oregon.

- = There were no data available.

? = The accuracy of the observations could not be determined.

#### Reference Number

This number is assigned to the source of data used to obtain the species status on the respective lines of the table. Use of these numbers allows for more precise determination of the reference source (investigator) in the Reference section of the catalog.

## THE CATALOG MAPS

## Area Maps

At the front of every Map Area section, an index map of the Map Area appears. All active sites, those with nesting birds reported from the period 1978 through 1982, are located on this map. The Site Numbers of each of the respective colonies appear in a circle, the circle size reflecting the total number of birds nesting at the site indicated.

and corresponding Site Maps appear. All tables start on the left-hand-facing page, and the corresponding Site Maps appear on the right-hand-facing page. These maps are cut from the USGS topographic maps, generally 1:24,000 scale series. The Site Numbers appear in circles, and the actual size is indicated by a pointer, bracket, or boundary drawn on the map pieces. The Map Name the map cut-out was taken from appears in the box within the map cut-out.

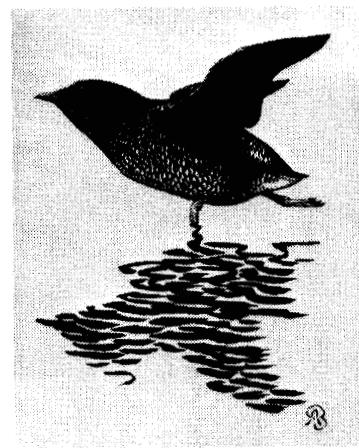
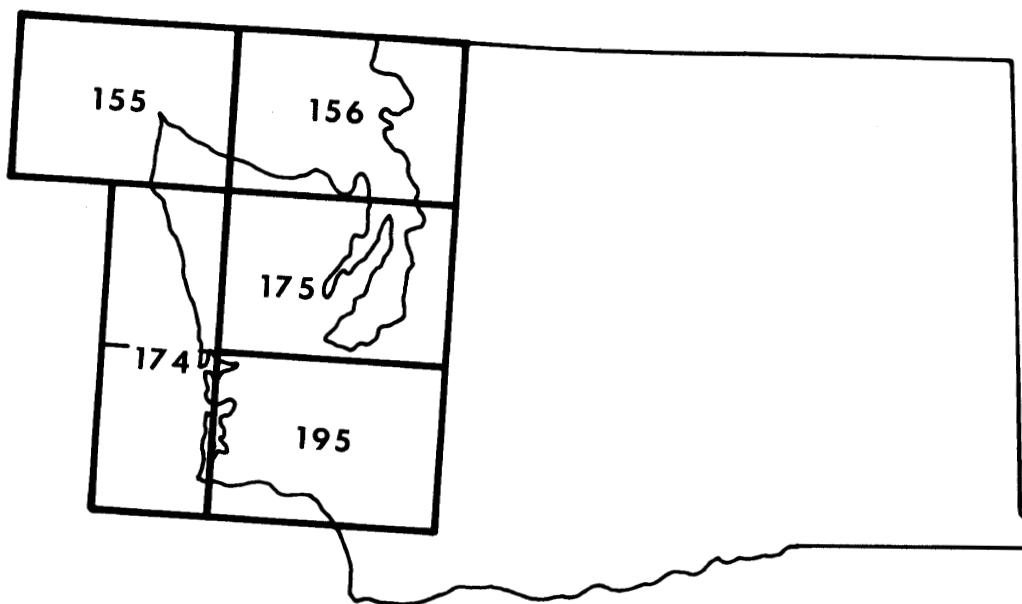
## Site Maps

Within the Maps and Tables section of the catalog, the tables

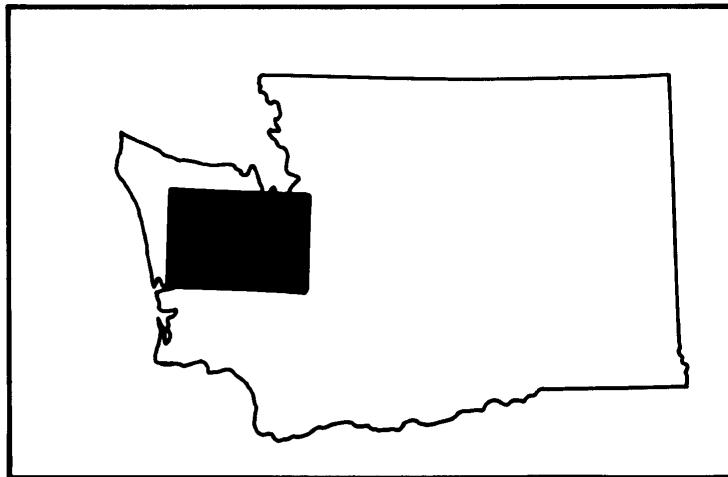
SITE NUMBER	COLONY NAME	LAT.-LONG.
191	PORT WILLIAMS	48° 07' 00", 123° 03' 00" W
PIGEON GUILLEMOT		
	34	SPEICH
	05/23/79	B III 255
PIGEON GUILLEMOT	33	SPEICH
	05/26/78	B III 255
SPECIES NAME	NUMBER	SOURCE
	BREEDING BIRDS	
SURVEY DATE	SURVEY TYPE	REFERENCE DATA QUALITY

Box gives the most recent or the best estimates available.

## MAP INDEX:



AREA 175, Seattle (cont'd.)



175

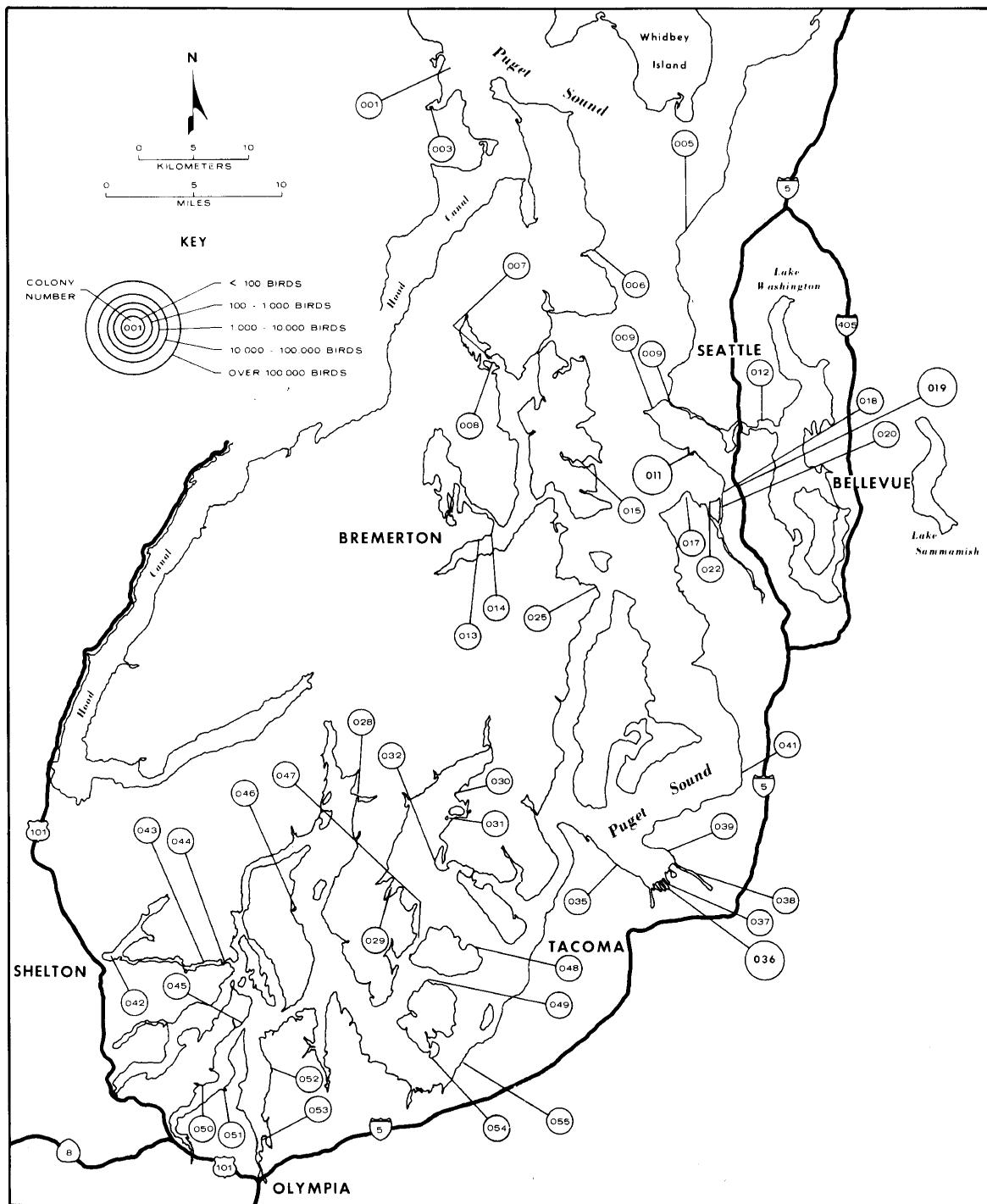
**Seattle**

The map on the facing page is an index to the locations of colonies within map 175, Seattle. On the pages following this map, all colonies are listed sequentially and a detailed map of each is provided.

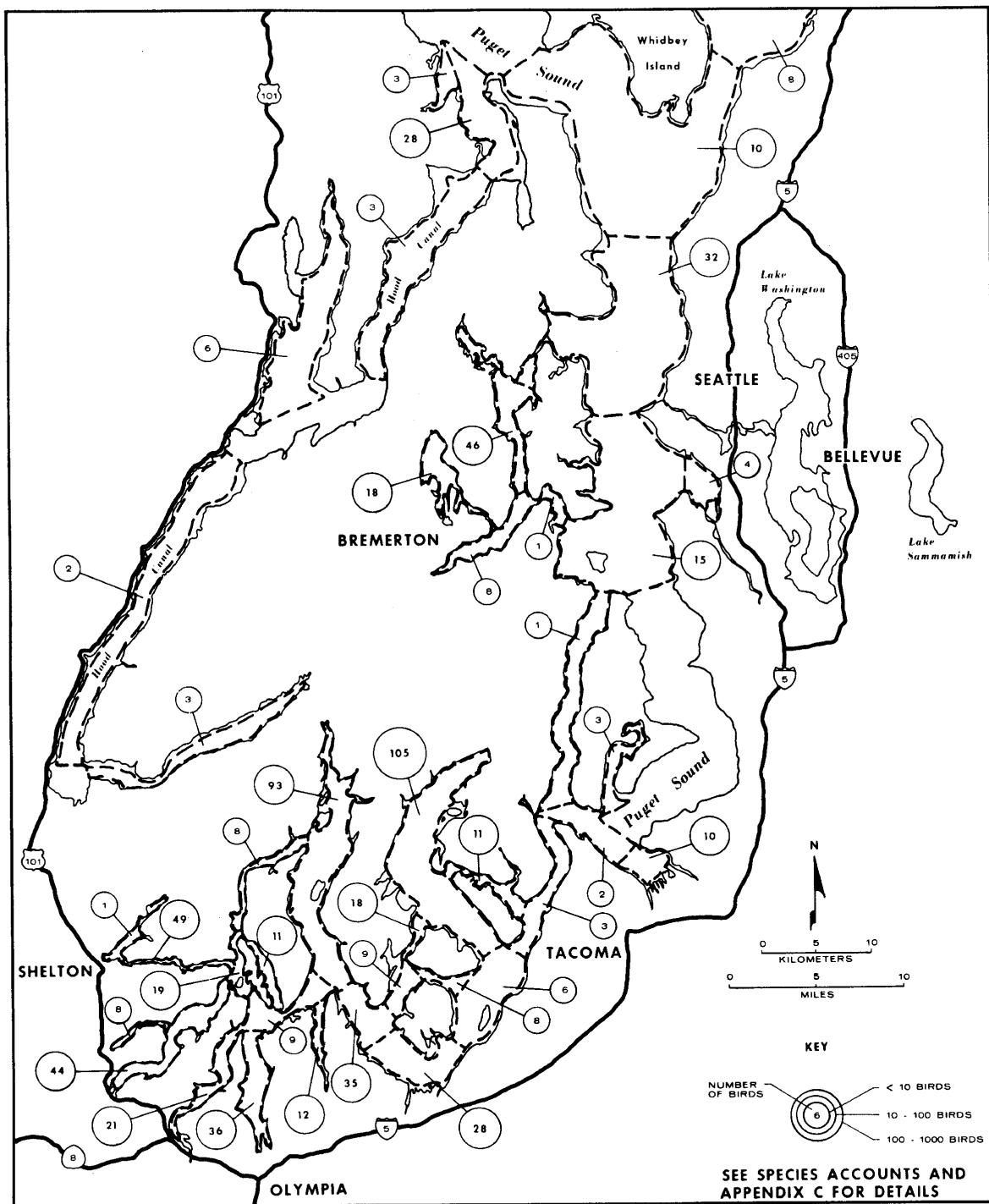
Numbers of breeding seabirds will vary from year to year. Below are the approximate numbers of breeding seabirds within this region.

Glaucous-winged and Western gulls	1,100
Pigeon Guillemot	220
Marbled Murrelet	150

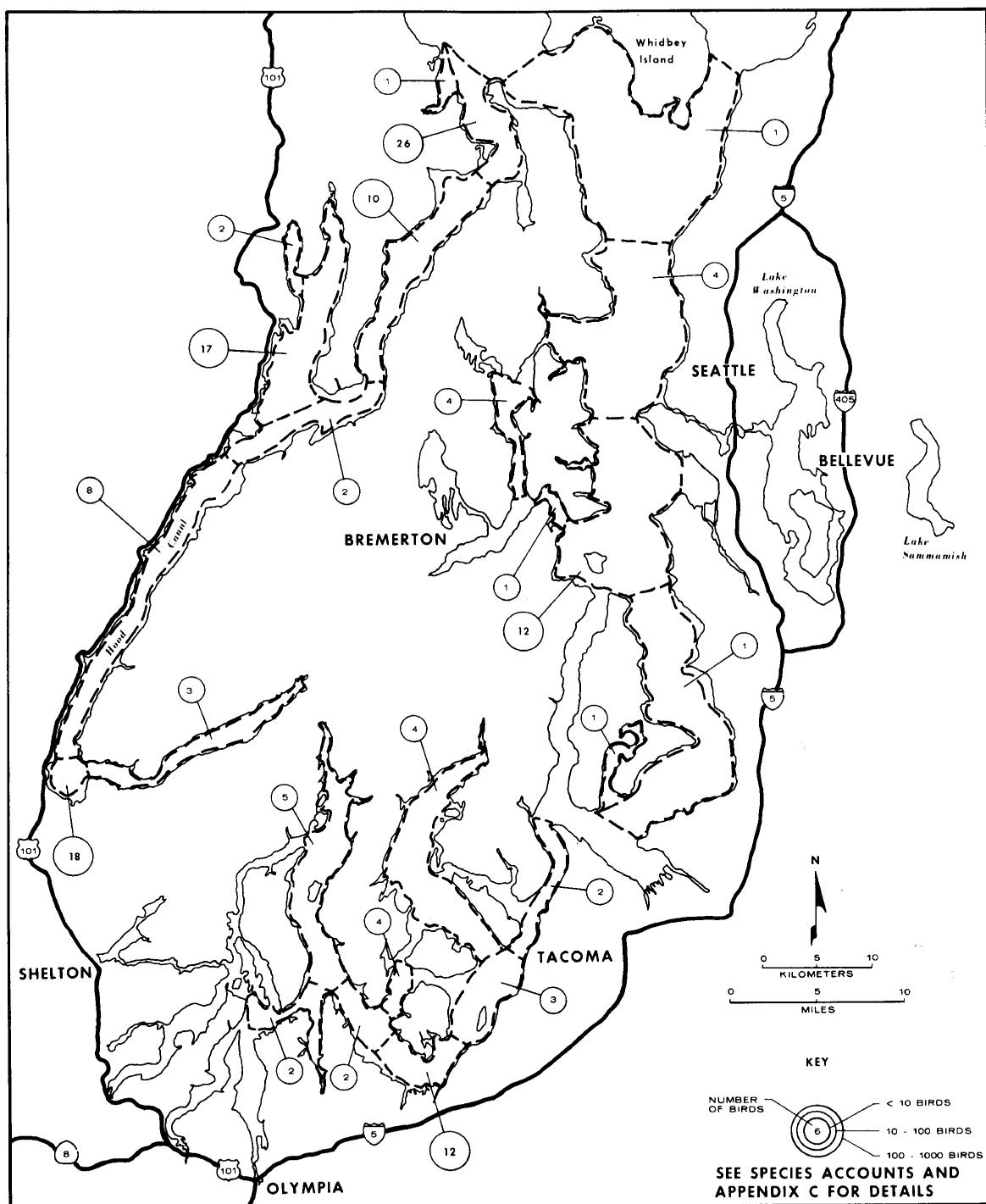
## 175 SEATTLE



### Relative distribution for Pigeon Guillemots in map area 175, Seattle.



Relative distribution for Marbled Murrelets in map area 175, Seattle.



## AREA 175, Seattle (cont'd.)

SITE NUMBER	COLONY NAME	LAT.-LONG.				
191	PORT WILLIAMS	48° 07' 00", 123° 03' 00" W				
PIGEON GUILLEMOT		34	SPEICH	05/23/79	B III	255
PIGEON GUILLEMOT		33	SPEICH	05/26/78	B III	255
SPECIES NAME						
BREEDING BIRDS		NUMBER	SOURCE	SURVEY DATE	SURVEY TYPE	REFERENCE DATA QUALITY
Box gives the most recent or the best estimates available.						

(001) Colvos Rock, north 47°57'06"N, 122°40'10"W

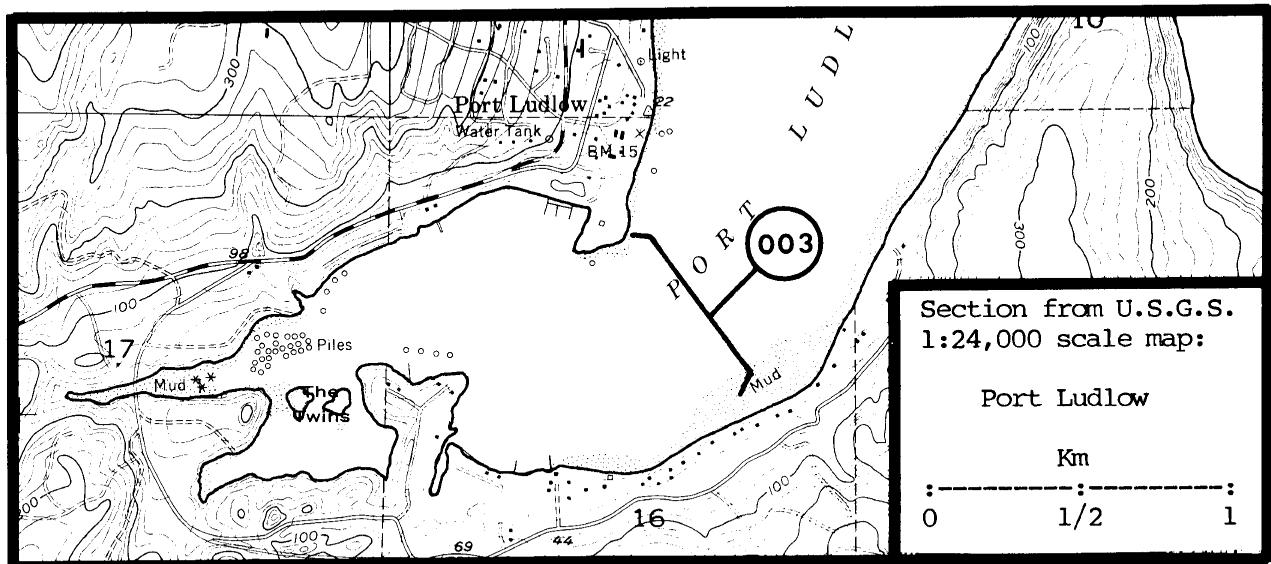
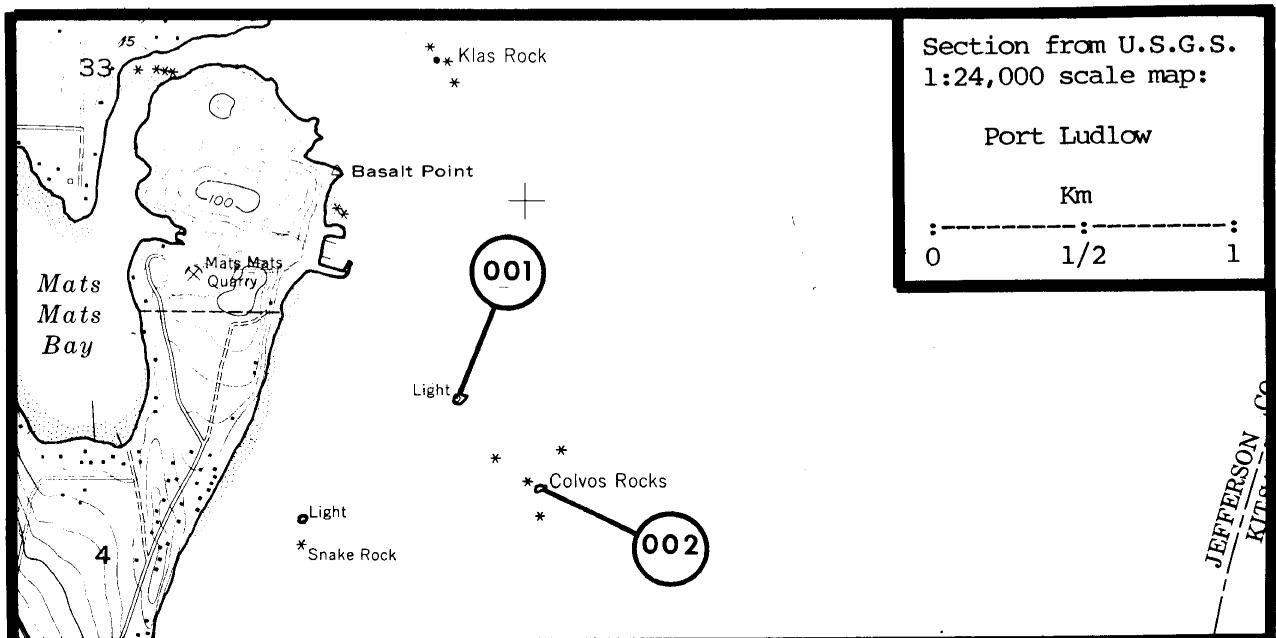
Glaucous-winged Gull 44 Speich & Wahl 06/24/82 B I 257

(002) Colvos Rock, south 47°56'55"N, 122°39'56"W

No Nesting Observed 0 Speich & Wahl 06/29/82 B III 257

(003) Port Ludlow 47°55'09"N, 122°41'06"W

Pigeon Guillemot	24	Speich & Wahl	06/29/82	B III 257
Pigeon Guillemot	2	Sluss	Summer/80	B III 249
Pigeon Guillemot	2	Sluss	Summer/81	B III 249
Pigeon Guillemot	2	Sluss	Summer/82	B III 249



AREA 175, Seattle (cont'd.)

(004)

Point No Point<sup>1</sup> 47°54'55"N, 122°31'30"W

No Nesting Observed	0	Speich & Wahl	07/06/82	A III	257
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Double-crested Cormorant

24-40 Schultz ?/ ?/58 ? ? 243

<sup>1</sup>Insufficient data to show exact map location.

(005)

Edmonds, ferry dock 47°48'50"N, 122°23'09"W

Glaucous-winged Gull	2	Paulson	?/ ?/82	B	I	208
Glaucous-winged Gull	2	Speich	07/11/79	B	I	255
Glaucous-winged Gull	2	Sagehorn	06/29/80	B	I	238
Pigeon Guillemot	2	Paulson	06/06/80	B	I	207

(006)

Kingston, ferry dock 47°47'39"N, 122°29'40"W

Glaucous-winged Gull	2	Speich & Wahl	06/27/82	B	I	257
Glaucous-winged Gull	2	Hunn et al.	?/ ?/80	B	I	152

(007)

Lemolo (Port Orchard/Liberty Bay)<sup>1</sup> 47°42'40"N, 122°37'00"W

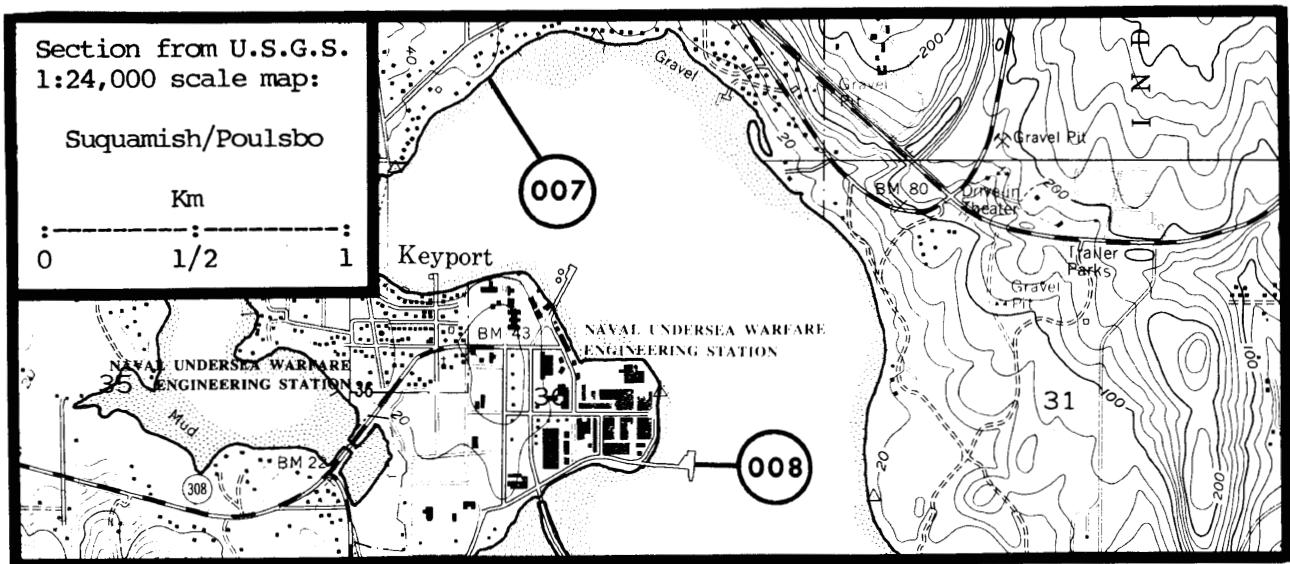
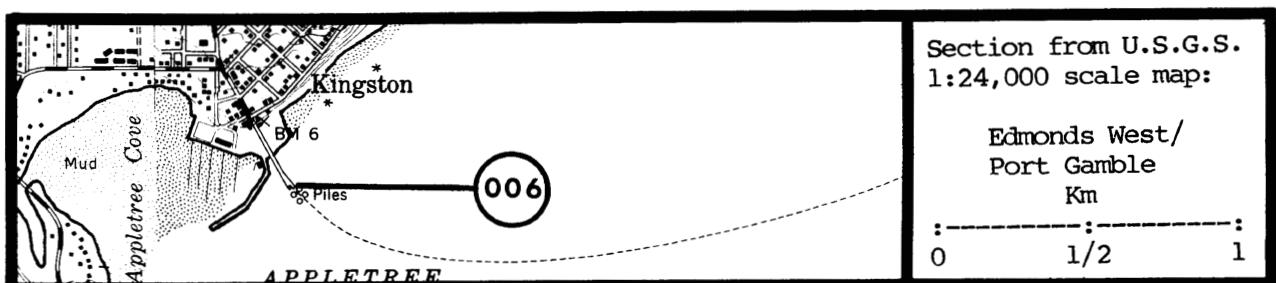
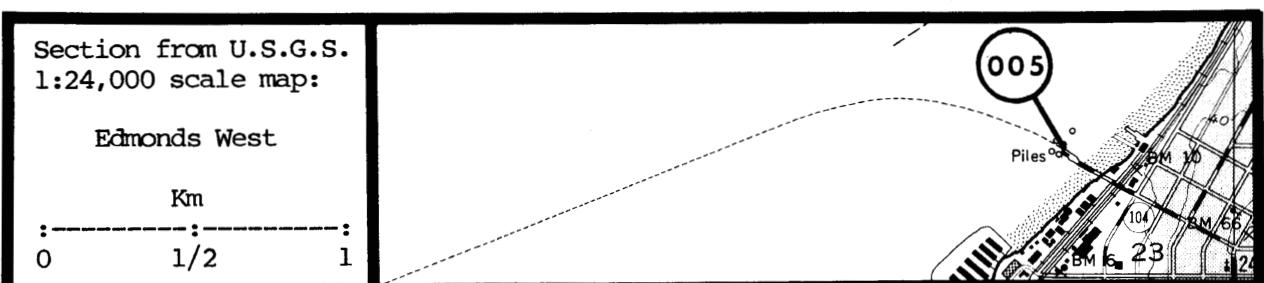
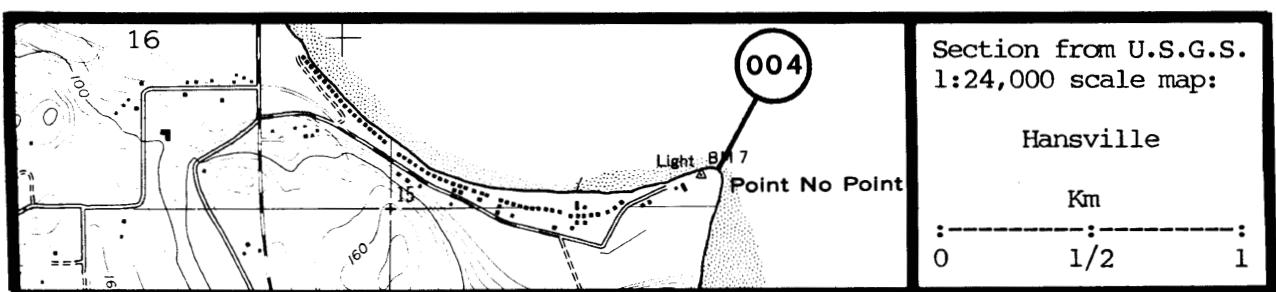
Pigeon Guillemot	2	Balmer	05/30/26	E	-	21
Pigeon Guillemot	2	Balmer	05/30/26	E	-	20
Pigeon Guillemot	6	Brown	06/12/26	E	-	44
Pigeon Guillemot	2	Brown	06/13/26	E	-	44

<sup>1</sup>Insufficient data to show exact map location.

(008)

Keyport pier 47°42'00"N, 122°36'45"W

Pigeon Guillemot	10	Speich & Wahl	06/28/82	B III	257
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AREA 175, Seattle (cont'd.)

(009)

Salmon Bay    47°40'30"N, 122°24'36"W

Glaucous-winged Gull	2	Goodge 1949	08/26/49	L III 114
Glaucous-winged Gull	2	Eddy	Summer/51	B II 95
Glaucous-winged Gull	2	Eddy	Summer/52	B II 95
Glaucous-winged Gull	2	Eddy	Summer/53	B II 95
Glaucous-winged Gull	2	Eddy	Summer/54	B II 95
Glaucous-winged Gull	2	Eddy	Summer/55	B II 95
Glaucous-winged Gull	0	Eddy	05/19/56	B III 95

(010)

West Point (including Discovery Park and Magnolia Bluff)<sup>1</sup>

47°39'15"N, 122°25'14"W

Pigeon Guillemot	X	Hunn	08/07/80	L III 151
Pigeon Guillemot	2	Gormley	06/22/1883	E - 117
Pigeon Guillemot	7+	Balmer 1924	Summer/24	L III 19
Pigeon Guillemot	2	Eddy	07/22/50	L II 95
Pigeon Guillemot	4	Brunner	06/26-07/23/74	L III 49
Pigeon Guillemot	X	Frandsen	Summer/74	L III 107
Pigeon Guillemot	2	Anonymous	05/29/75	L III 14

<sup>1</sup>Insufficient data to show exact map location.

(011)

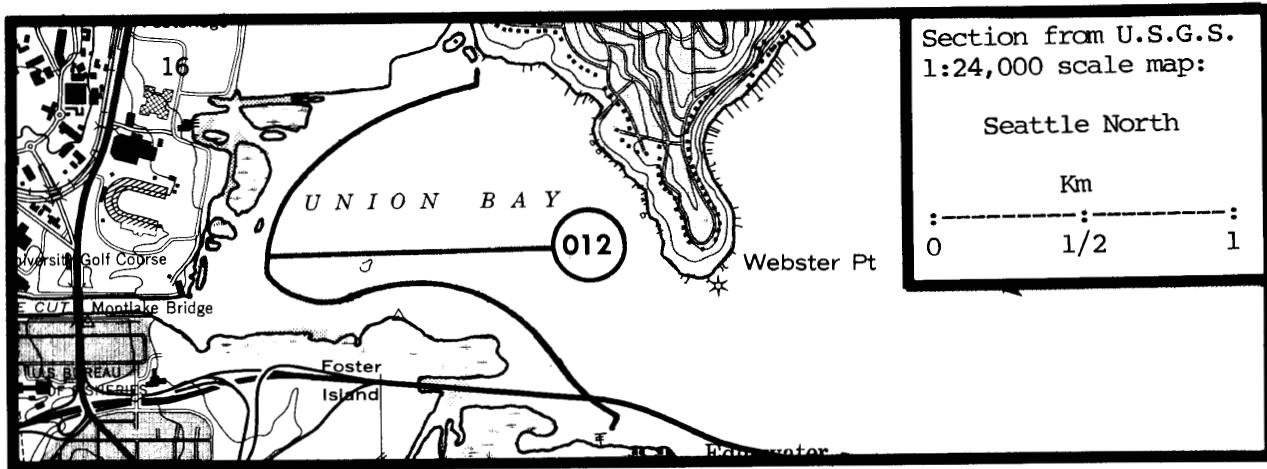
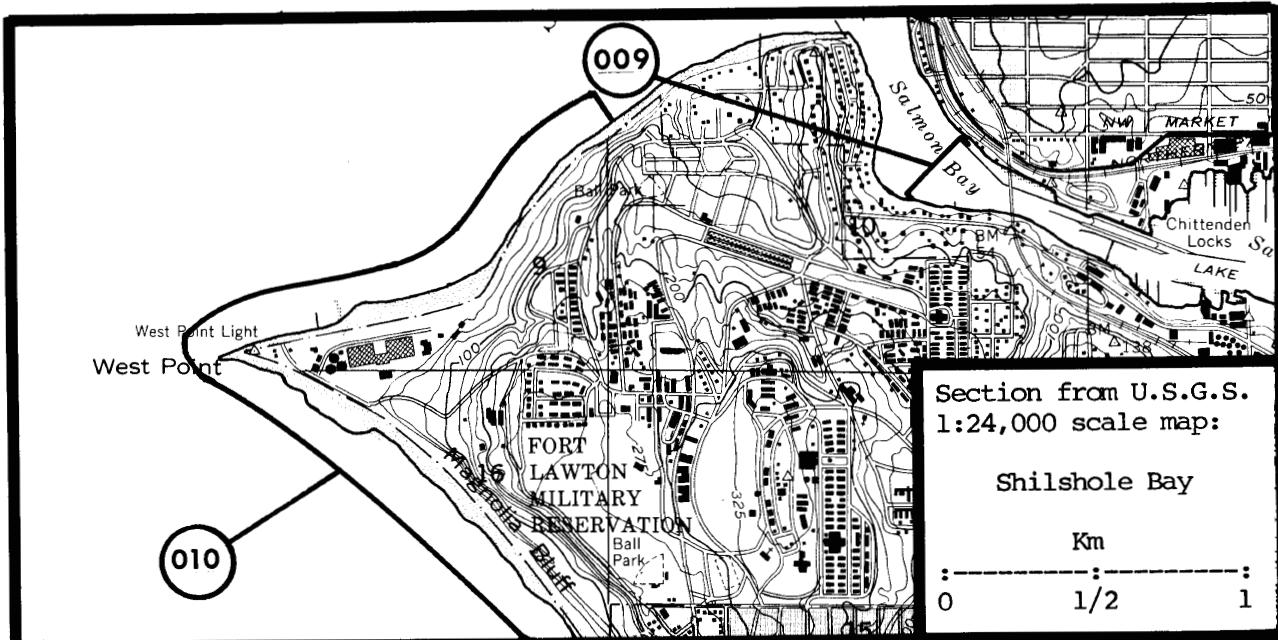
Smith Cove, piers    47°37'45"N, 122°22'48"W

Glaucous-winged Gull	240	Eddy	Summer/81	L II 95
Glaucous-winged Gull	X	Eddy	Summer/71	L III 95
Glaucous-winged Gull	X	Eddy	Summer/72	L III 95
Glaucous-winged Gull	X	Eddy	Summer/73	L III 95
Glaucous-winged Gull	X	Eddy	Summer/74	L III 95
Glaucous-winged Gull	X	Eddy	Summer/75	L III 95
Glaucous-winged Gull	X	Eddy	Summer/76	L III 95
Glaucous-winged Gull	X	Eddy	Summer/77	L III 95
Glaucous-winged Gull	154	Eddy	Summer/78	L III 95

(012)

Union Bay (Lake Washington)    47°39'00"N    122°17'30"W

Glaucous-winged Gull	2	Knight	06/05/77	M I 172
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AREA 175, Seattle (cont'd.).

(013)

Bremerton, shipyard  $47^{\circ}33'15"N$ ,  $122^{\circ}38'30"W$

Pigeon Guillemot 5 Speich & Wahl 06/28/82 B III 257

(014)

Bremerton, ferry dock  $47^{\circ}33'45"N$ ,  $122^{\circ}37'20"W$

Glaucous-winged Gull 2 Anonymous 05/28/81 B III 14

(015)

Eagle Harbor<sup>1</sup>  $47^{\circ}37'15"N$ ,  $122^{\circ}30'30"W$

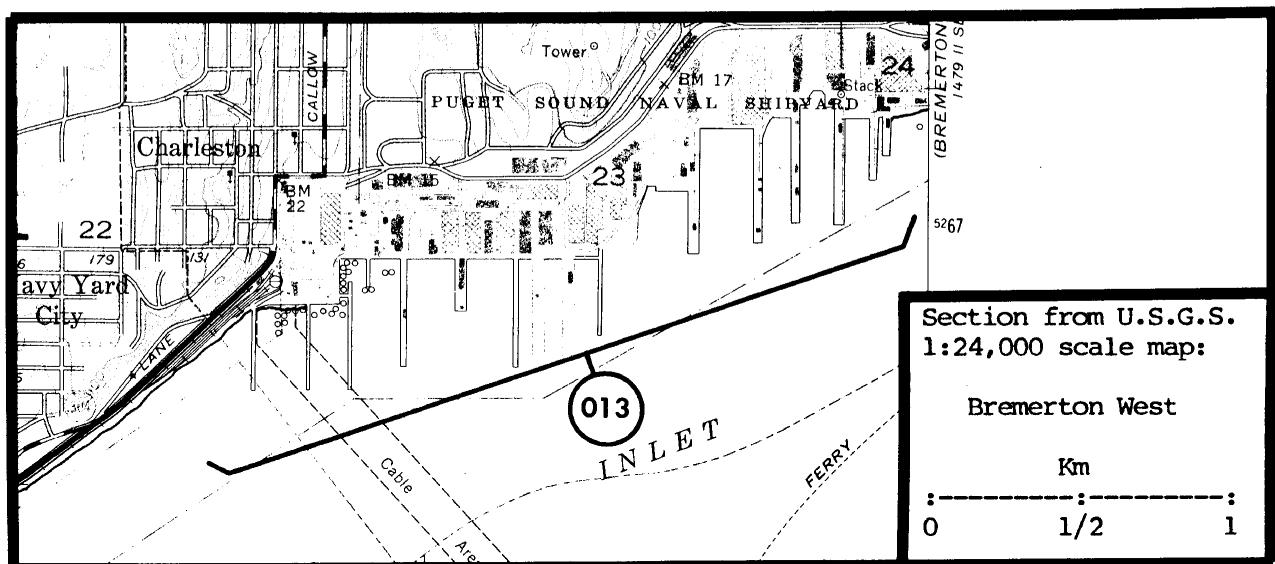
Pigeon Guillemot 1 Unknown 06/08/16 S - 16

<sup>1</sup>Insufficient data to show exact map location.

(016)

Blakely Rock  $47^{\circ}35'40"N$ ,  $122^{\circ}28'48"W$

No Nesting Observed 0 Speich & Wahl 07/06/82 A III 257

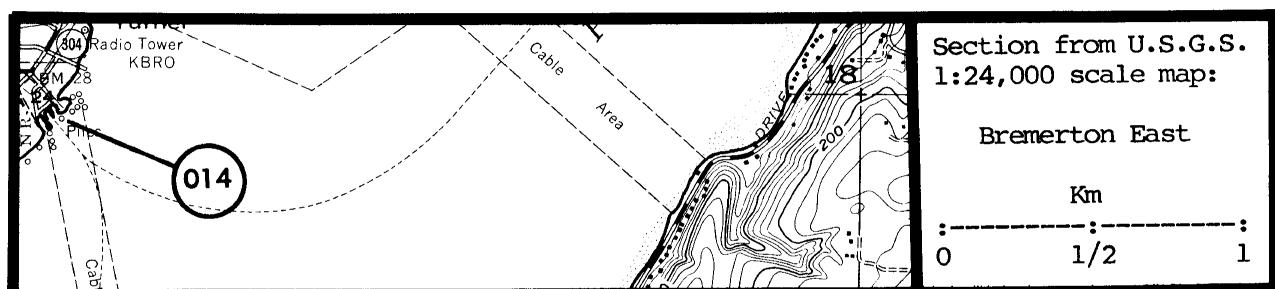


Section from U.S.G.S.  
1:24,000 scale map:

Bremerton West

Km

0 1/2 1

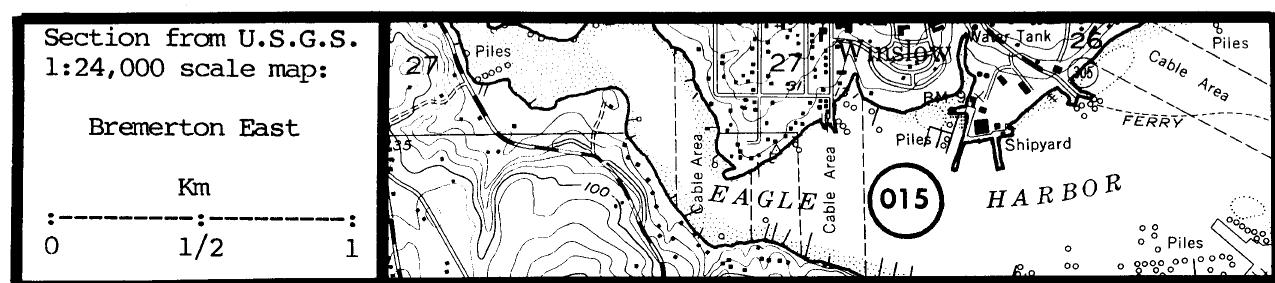


Section from U.S.G.S.  
1:24,000 scale map:

Bremerton East

Km

0 1/2 1

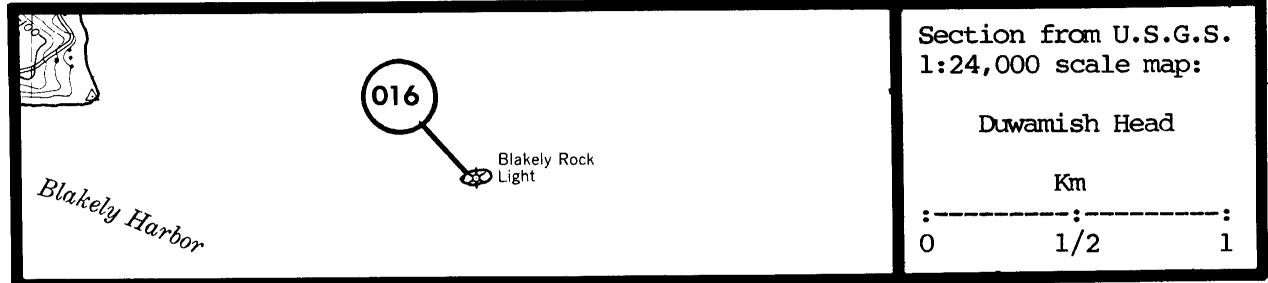


Section from U.S.G.S.  
1:24,000 scale map:

Bremerton East

Km

0 1/2 1



Section from U.S.G.S.  
1:24,000 scale map:

Duwamish Head

Km

0 1/2 1

## AREA 175, Seattle (cont'd.)

(017)

Duwamish Head, waterfront 47°35'40"N, 122°23'15"W

Glaucous-winged Gull      2      Speich &amp; Wahl      06/28/82      B    I 257

(018)

Seattle, waterfront (Pier 36 to Pier 71) 47°36'20"N, 122°21'00"

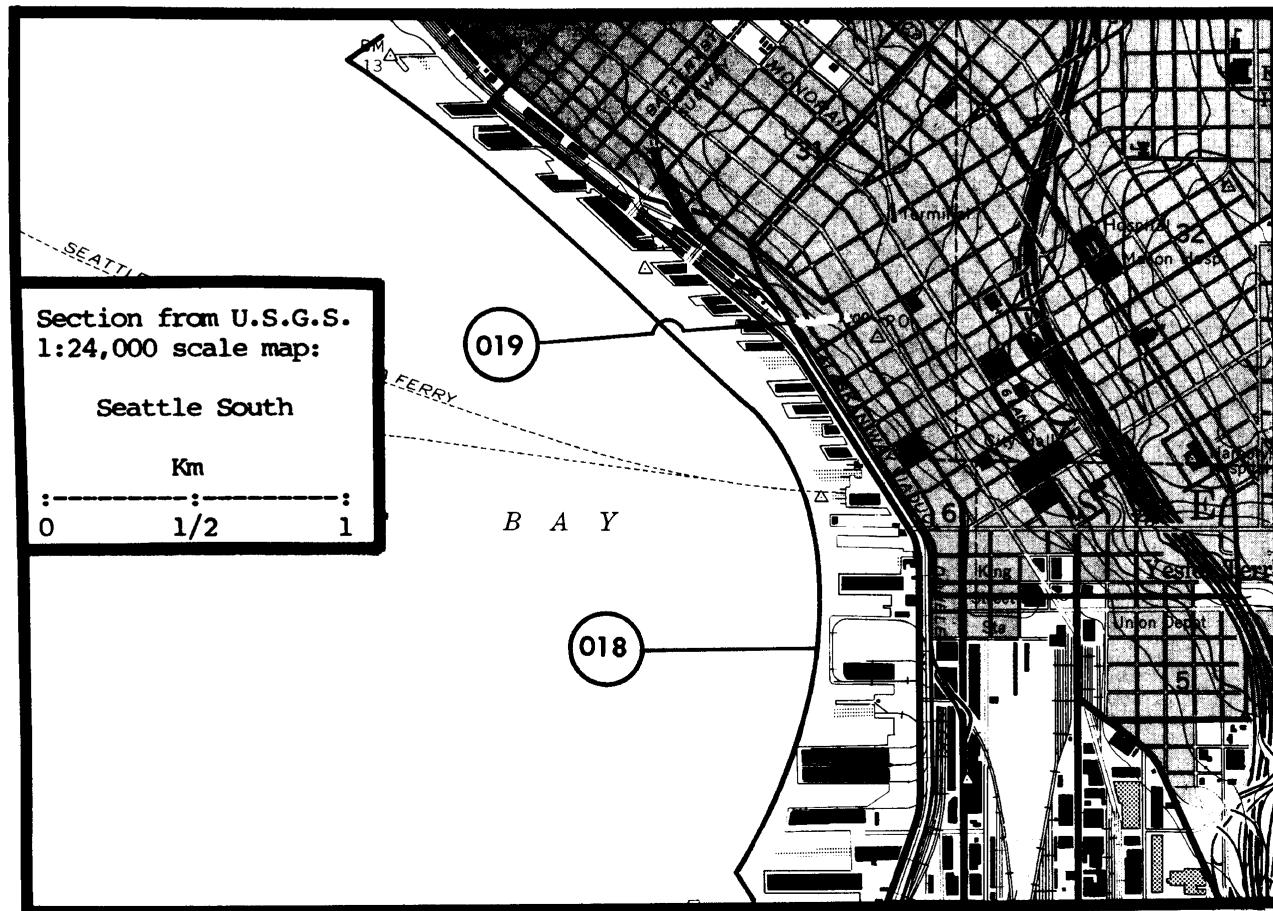
Glaucous-winged Gull	60+	Eddy	Summer/82	L III	95
Glaucous-winged Gull	2	Hirschi	06/17/77	L III	134
Glaucous-winged Gull	2	Speich & Wahl	06/28/82	B III	257

(019)

Seattle, downtown 47°36'30"N, 122°20'00"W

Glaucous-winged Gull	100	Eddy	Summer/82	L III	95
Glaucous-winged Gull	20	Eddy	Summer/46	L III	95
Glaucous-winged Gull	X	Eddy	Summer/47	L III	95
Glaucous-winged Gull	X	Eddy	Summer/48	L III	95
Glaucous-winged Gull	X	Eddy	Summer/49	L III	95
Glaucous-winged Gull	X	Eddy	Summer/50	L III	95
Glaucous-winged Gull	X	Eddy	Summer/51	L III	95
Glaucous-winged Gull	X	Eddy	Summer/52	L III	95
Glaucous-winged Gull	X	Eddy	Summer/53	L III	95
Glaucous-winged Gull	X	Eddy	Summer/54	L III	95
Glaucous-winged Gull	X	Eddy	Summer/55	L III	95
Glaucous-winged Gull	X	Eddy	Summer/56	L III	95
Glaucous-winged Gull	X	Eddy	Summer/57	L III	95
Glaucous-winged Gull	X	Eddy	Summer/58	L III	95
Glaucous-winged Gull	X	Eddy	Summer/59	L III	95
Glaucous-winged Gull	X	Eddy	Summer/60	L III	95
Glaucous-winged Gull	X	Eddy	Summer/61	L III	95
Glaucous-winged Gull	X	Eddy	Summer/62	L III	95
Glaucous-winged Gull	X	Eddy	Summer/63	L III	95
Glaucous-winged Gull	X	Eddy	Summer/64	L III	95
Glaucous-winged Gull	X	Eddy	Summer/65	L III	95
Glaucous-winged Gull	34	Eddy	Summer/66	L III	95
Glaucous-winged Gull	X	Eddy	Summer/67	L III	95
Glaucous-winged Gull	X	Eddy	Summer/68	L III	95
Glaucous-winged Gull	X	Eddy	Summer/69	L III	95
Glaucous-winged Gull	X	Eddy	Summer/70	L III	95
Glaucous-winged Gull	52	Eddy	Summer/71	L III	95
Glaucous-winged Gull	X	Eddy	Summer/72	L III	95
Glaucous-winged Gull	X	Eddy	Summer/73	L III	95
Glaucous-winged Gull	X	Eddy	Summer/74	L III	95
Glaucous-winged Gull	X	Eddy	Summer/75	L III	95
Glaucous-winged Gull	X	Eddy	Summer/76	L III	95
Glaucous-winged Gull	X	Eddy	Summer/77	L III	95

Glaucous-winged Gull	X	Eddy	Summer/78	L III	95
Glaucous-winged Gull	X	Eddy	Summer/79	L III	95
Glaucous-winged Gull	X	Eddy	Summer/80	L III	95
Glaucous-winged Gull	X	Eddy	Summer/81	L III	95



AREA 175, Seattle (cont'd.)

(020)

Seattle, East Waterway 47°35'00"N, 122°21'06"W

Glaucous-winged Gull	20-24	Speich & Wahl	06/28/82	B II	257
Glaucous-winged Gull	X	Eddy	Summer/78	L III	95
Glaucous-winged Gull	X	Eddy	Summer/79	L III	95
Glaucous-winged Gull	X	Eddy	Summer/80	L III	95
Glaucous-winged Gull	226	Eddy	Summer/81	L III	95

(021)

Harbor Island, north waterfront 47°35'20"N, 122°21'00"W

No Nesting Observed	0	Speich & Wahl	06/28/82	B III	257
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(022)

Seattle, West Waterway/Harbor Island Reach 47°34'45"N, 122°21'30"W

Glaucous-winged Gull	2	Speich & Wahl	06/28/82	B III	257
Pigeon Guillemot	1	Speich & Wahl	06/28/82	B III	257
Total	3				

(023)

Georgetown Reach, north 47°33'50"N, 122°20'45"W

No Nesting Observed	0	Speich & Wahl	06/28/82	B III	257
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(024)

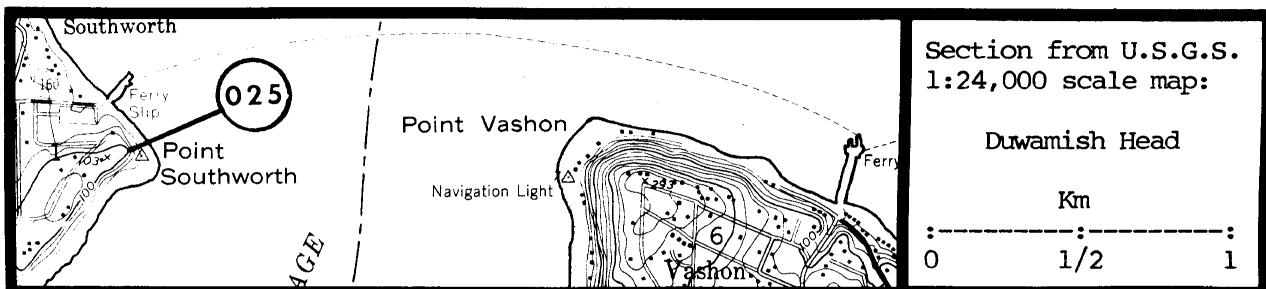
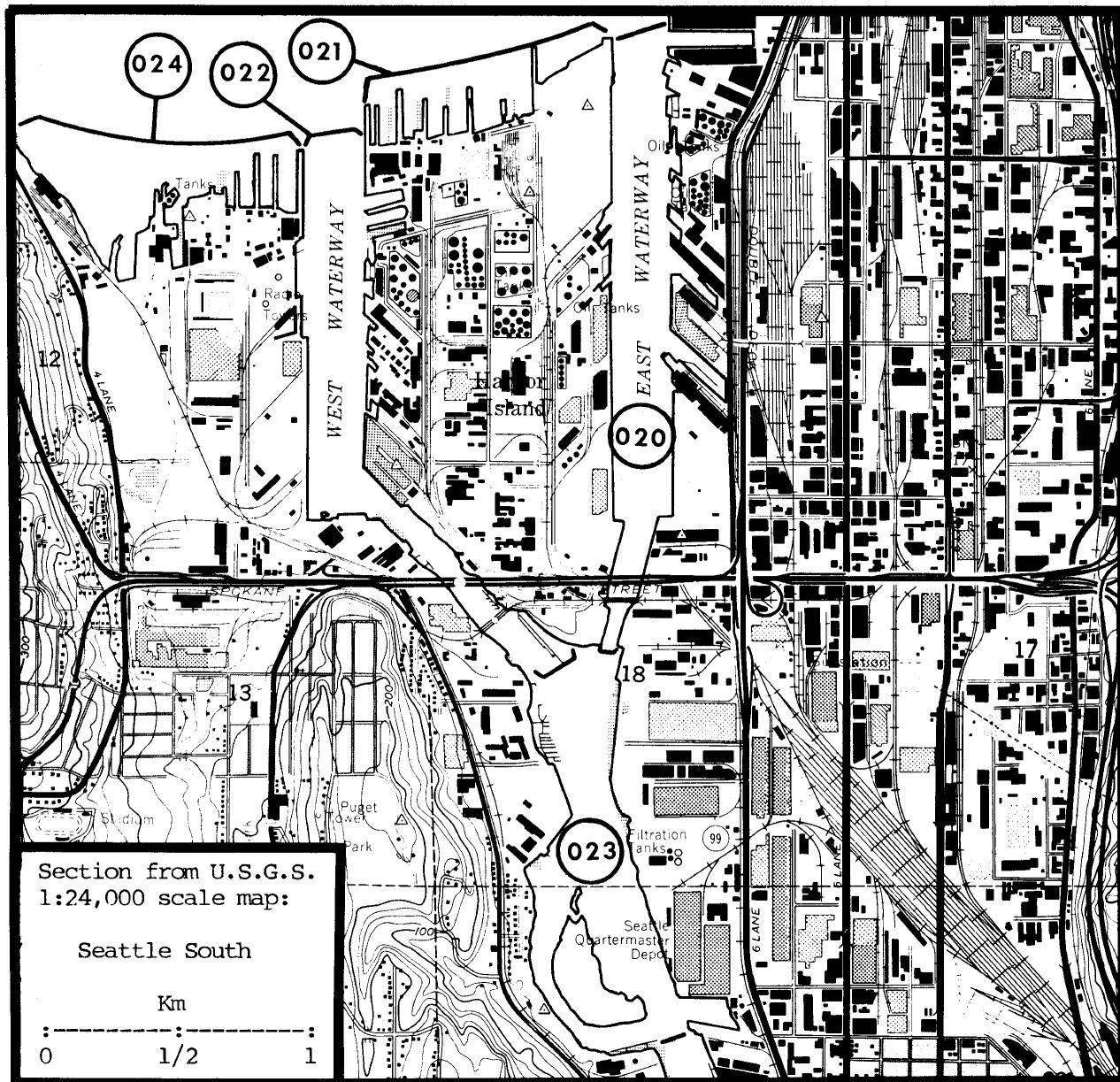
Seattle, west waterfront 47°35'00"N, 122°22'15"W

No Nesting Observed	0	Speich & Wahl	06/28/82	B III	257
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(025)

Point Southworth 47°30'36"N, 122°29'40"W

Pigeon Guillemot	X	Throckmorton	1970's	? III	265
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AREA 175, Seattle (cont'd.)

(026)

Vashon Island<sup>1</sup> 47°25'00"N, 122°29'00"W

Pigeon Guillemot            2       Kitchin            06/13/26        E - 169

<sup>1</sup>Insufficient data to show exact map location. Not shown on map.

(027)

Maury Island<sup>1</sup> 47°23'00"N, 122°26'00"W

Pigeon Guillemot            2       Kitchin            06/06/25        E - 169

<sup>1</sup>Insufficient data to show exact map location. Not shown on map.

(028)

Windy Bluff 47°20'45"N, 122°47'40"W

Pigeon Guillemot            9       Speich & Wahl            06/23/82        B III 257

(029)

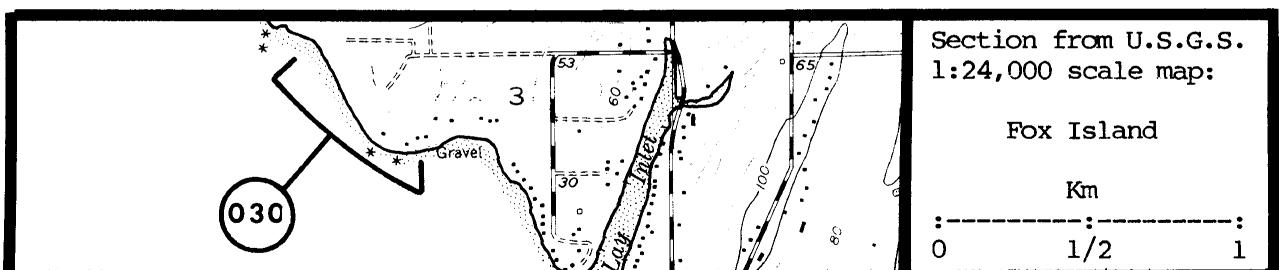
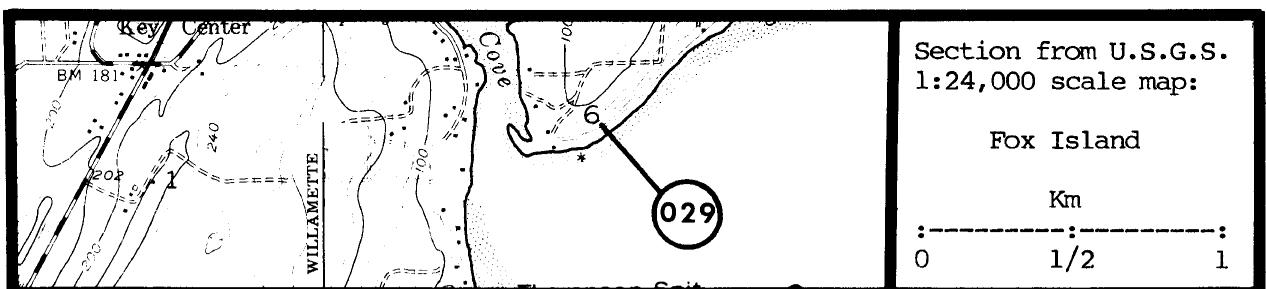
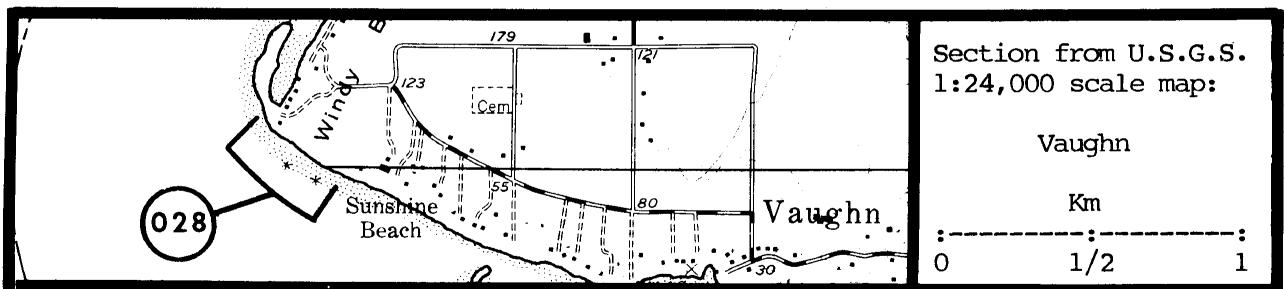
Glen Cove, cliff N of 47°20'22"N, 122°43'25"W

Pigeon Guillemot            10      Speich & Wahl            06/22/82        B III 257

(030)

Allen Point, SE cliffs 47°20'25"N, 122°39'50"W

Pigeon Guillemot            18      Speich & Wahl            06/22/82        B III 257



AREA 175, Seattle (cont'd.).

(031)

Cutts Island  $47^{\circ}19'15"N, 122^{\circ}41'09"W$

Pigeon Guillemot	24-30	Speich & Wahl	06/22/82	B III 257
Pigeon Guillemot	X	Menzies	05/21/1792	L III 195
Pigeon Guillemot	2+	Sluss	Summer/80	B III 249
Pigeon Guillemot	2+	Sluss	Summer/81	B III 249
Pigeon Guillemot	2+	Sluss	Summer/82	B III 249

(032)

Green Point  $47^{\circ}16'52"N, 122^{\circ}41'26"W$

No Nesting Observed	0	Speich & Wahl	06/22/82	B III 257
Pigeon Guillemot	X	Menzies	05/21/1792	B III 195

(033)

Fox Island<sup>1</sup>  $47^{\circ}15'00"N, 122^{\circ}37'30"W$

Pigeon Guillemot	2	Bowles	06/05/1897	E - 41
Pigeon Guillemot	2	Kitchin	06/12/34	E - 169

<sup>1</sup>Insufficient data to show exact map location. Not shown on map.

(034)

Point Defiance  $47^{\circ}18'42"N, 122^{\circ}32'00"W$

No Nesting Observed	0	Speich & Wahl	06/24/82	B III 257
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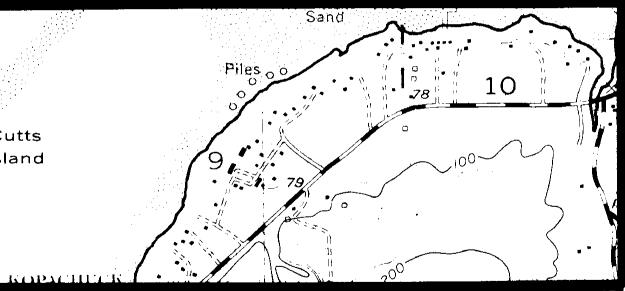
Section from U.S.G.S.  
1:24,000 scale map:

Fox Island

Km

0 1/2 1

031



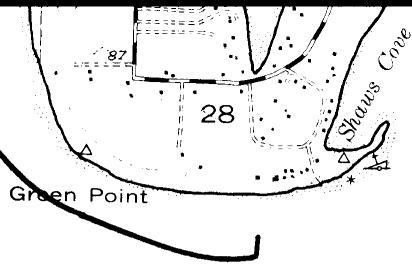
Section from U.S.G.S.  
1:24,000 scale map:

Fox Island

Km

0 1/2 1

032



Point Defiance

Lighthouse

Bon

034

POINT

DEFIANCE

PARK

Port Nisqually

(Peterson)

Frank Tobey Jones

200 Hwy

144

Section from U.S.G.S.  
1:24,000 scale map:

Gig Harbor

Km

0 1/2 1

CABLE

Aquarium

Tacoma Yacht Club

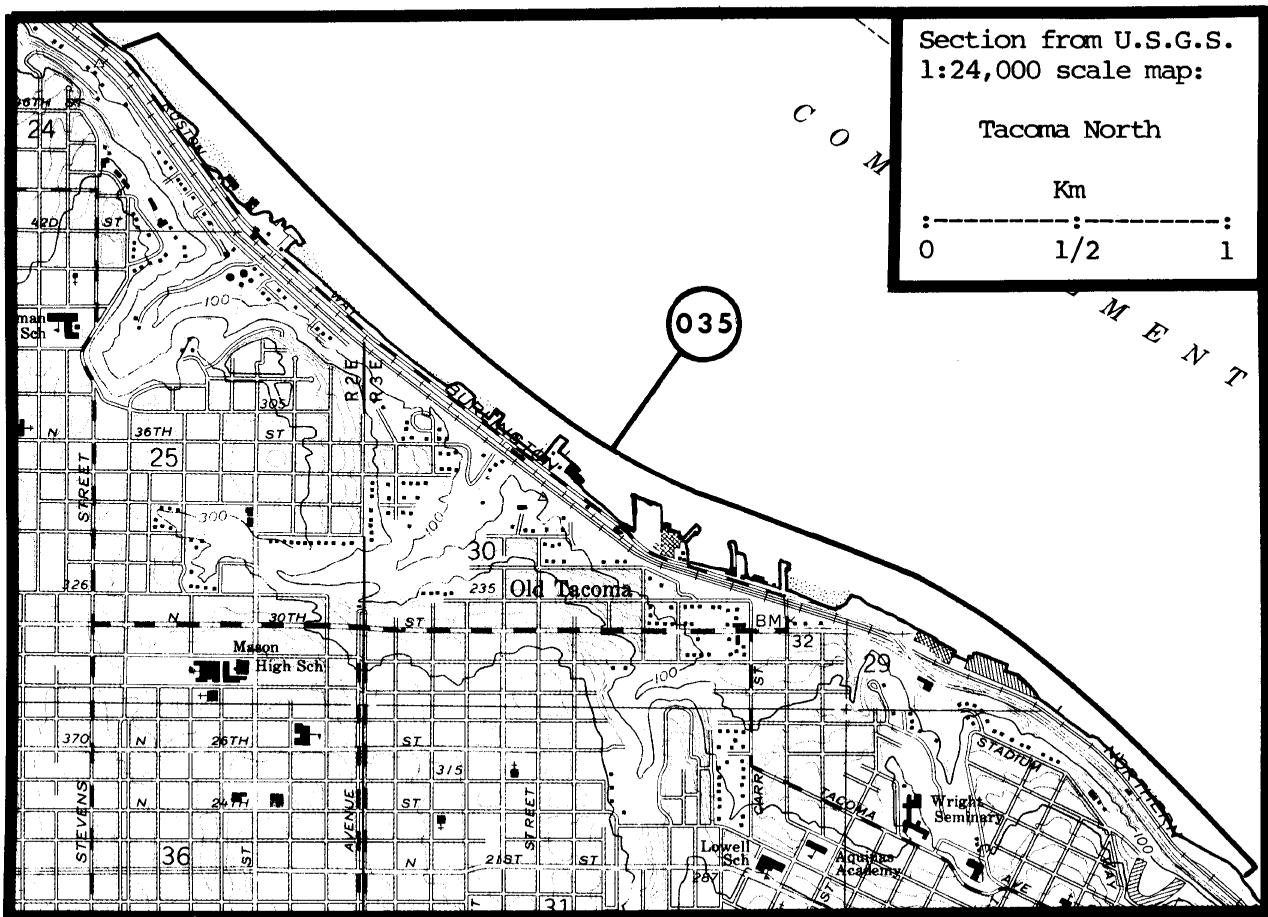
Tacoma Smelter

AREA 175, Seattle (cont'd.)

(035)

Commencement Bay, SW shore 47°16'33"N, 122°27'40"W

Glaucous-winged Gull	4	Speich & Wahl	06/24/82	B I 257
Glaucous-winged Gull	X	Chappell	05/ ?/76	? III 58



AREA 175, Seattle (cont'd.)

(036)

Commencement Bay, St. Paul Waterway 47°15'57"N, 122°25'48"W

Glaucous-winged Gull	520	Speich & Wahl	06/24/82	B	II	257
Glaucous-winged Gull	20	Alcorn 1949	?/ ?/48	L	III	2
Glaucous-winged Gull	10	Alcorn 1949	06/29/49	L	III	2
Glaucous-winged Gull	4	Alcorn	06/29/49	E	-	8
Glaucous-winged Gull	X	Alcorn	02/06/50	E	-	8
Glaucous-winged Gull	2	Alcorn	06/19/50	E	-	8

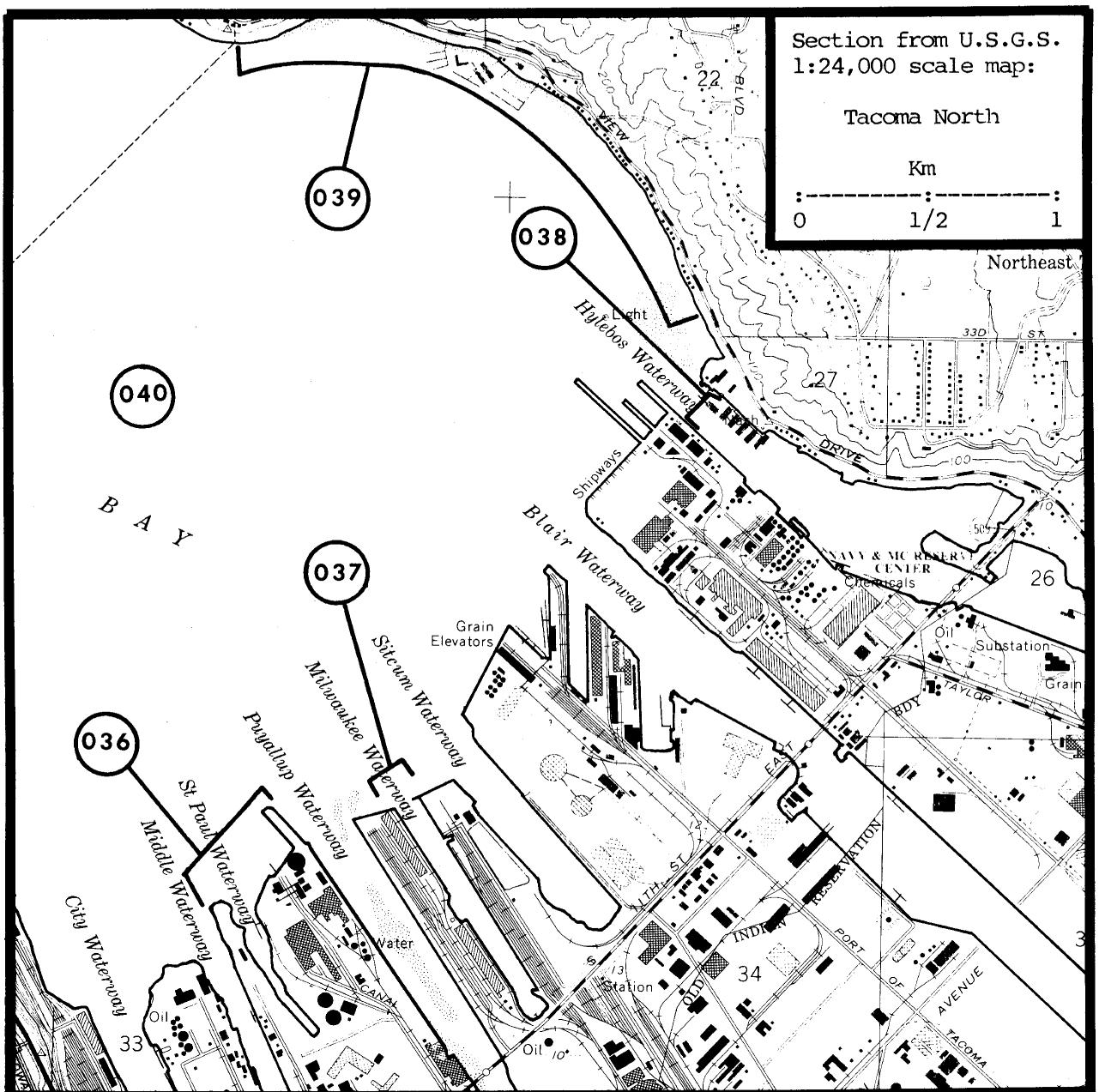
Section from U.S.G.S.  
1:24,000 scale map:

Tacoma North

Km

0 1/2 1

Northeast



AREA 175, Seattle (cont'd.)

(037) Commencement Bay, Milwaukee Waterway  $47^{\circ}16'07"N, 122^{\circ}25'15"W$

Pigeon Guillemot	2	Speich & Wahl	06/24/82	B II 257
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(038) Commencement Bay, Hylebos Waterway  $47^{\circ}17'00"N, 122^{\circ}24'12"W$

Glaucous-winged Gull	4	Speich & Wahl	06/24/82	B II 257
Pigeon Guillemot	3	Speich & Wahl	06/24/82	B II 257
Total	<u>7</u>			

Glaucous-winged Gull	24	Bock	07/11/82	L II 30
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(039) Commencement Bay, NE shore  $47^{\circ}17'50"N, 122^{\circ}25'08"W$

Glaucous-winged Gull	4	Speich & Wahl	06/24/82	B I 257
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(040) Tacoma/Commencement Bay<sup>1</sup>  $47^{\circ}17'00"N, 122^{\circ}26'30"W$

Glaucous-winged Gull	1	Kitchin	05/05/28	S - 168
Pigeon Guillemot	1	Bowles	05/02/05	S - 40
Pigeon Guillemot	1	Cantwell	06/03/12	S - 53

<sup>1</sup>Insufficient data to show exact map location.

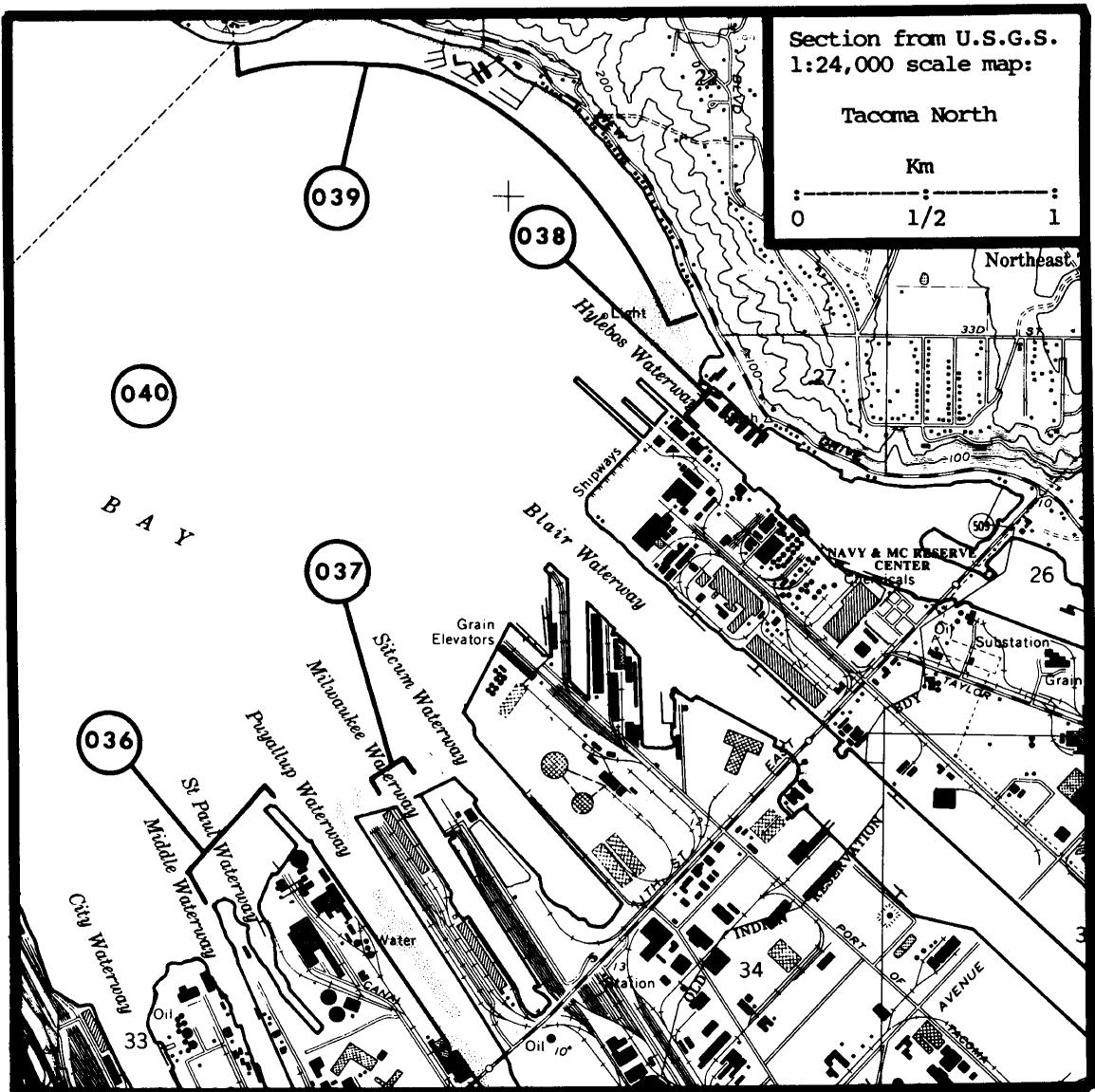
Section from U.S.G.S.  
1:24,000 scale map:

Tacoma North

Km

0 1/2 1

Northeast



## AREA 175, Seattle (cont'd.)

(041)

Poverty Bay (Saltwater State Park)  $47^{\circ}22'30"N, 122^{\circ}19'20"W$ 

Pigeon Guillemot	7	Carson	05-07/ ?/82	L III	54
Pigeon Guillemot	4+	Carson	07/23/78	L III	54
Pigeon Guillemot	10	Carson	07-08/ ?/78	L III	54
Pigeon Guillemot	10	Carson	04-05/ ?/79	L III	54
Pigeon Guillemot	4	Carson	05/ ?/80	L III	54

(042)

Shelton, waterfront  $47^{\circ}12'10"N, 122^{\circ}58'06"W$ 

Glaucous-winged Gull	48	Speich	06/08/82	M II	255
Glaucous-winged Gull	40	Speich	05/31/82	M II	255
Pigeon Guillemot	1	Speich	05/31/82	M II	255

(043)

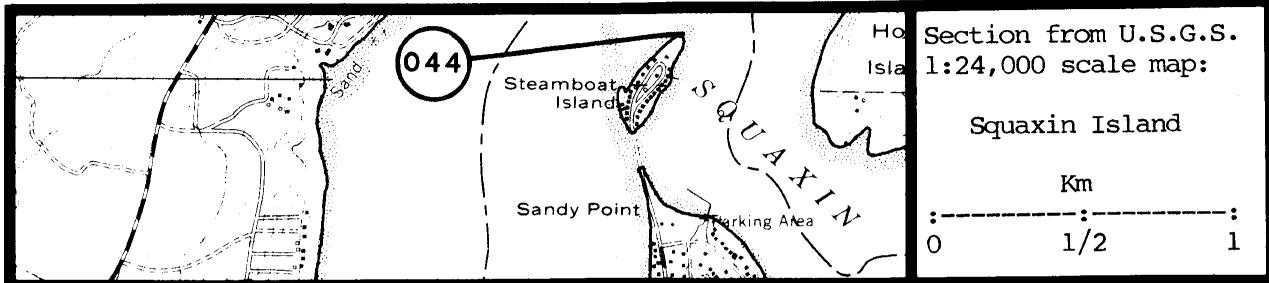
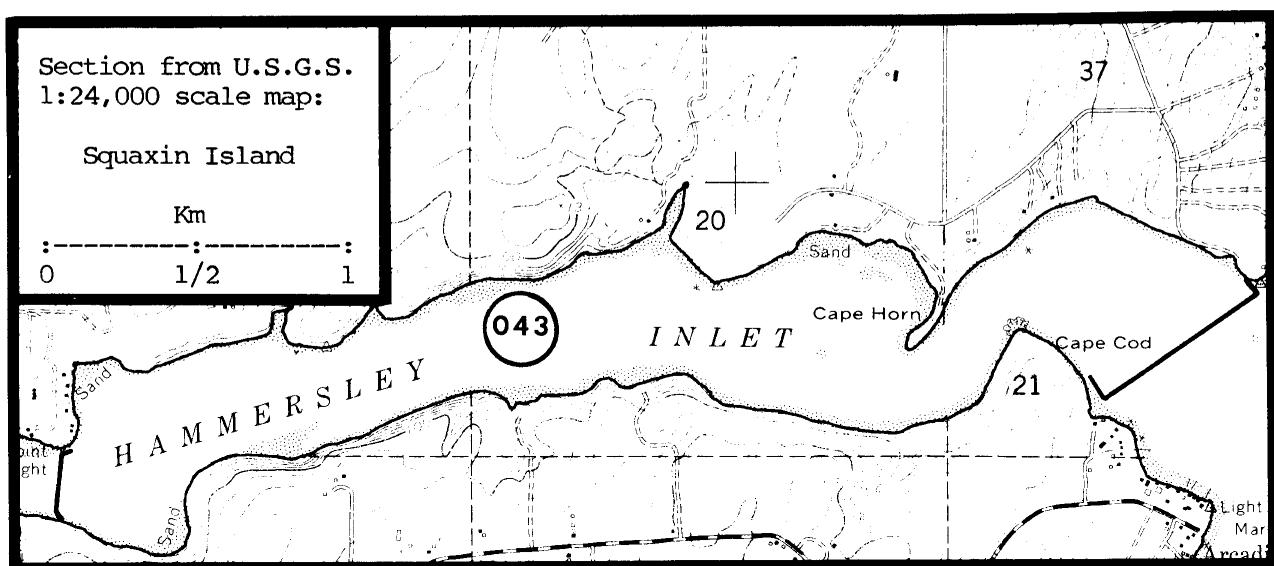
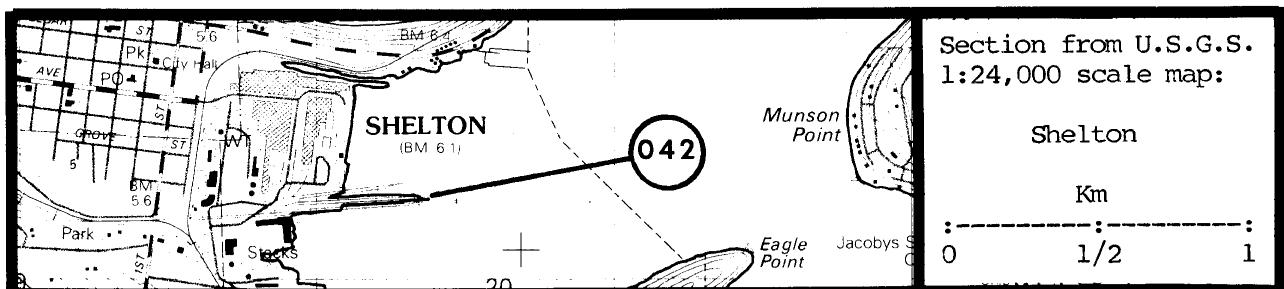
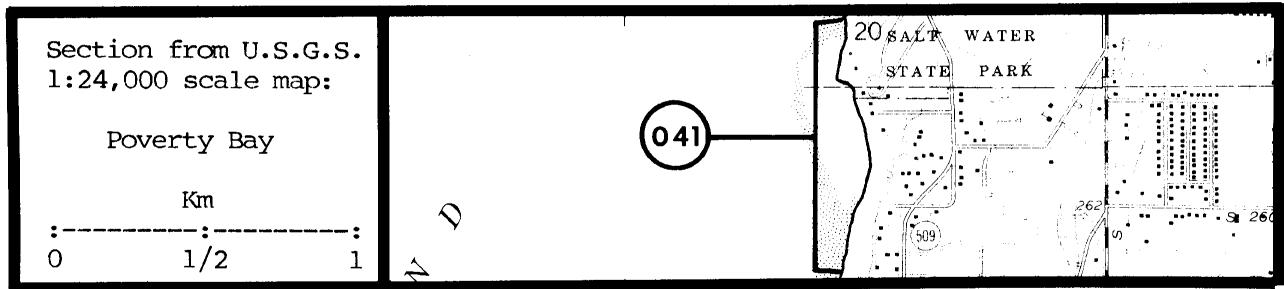
Hammersley Inlet, eastern third  $47^{\circ}12'10"N, 122^{\circ}58'06"W$ 

Pigeon Guillemot	49	Speich & Wahl	06/23/82	B III	257
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(044)

Steamboat Island  $47^{\circ}11'08"N, 122^{\circ}56'25"W$ 

Pigeon Guillemot	2	Roderick	06/21/82	L III	236
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AREA 175, Seattle (cont'd.)

(045) Sanderson Harbor, cliff NE of 47°09'00"N, 122°55'56"W

Pigeon Guillemot 6-12 McAllister 06/ ?/74 B III 192

(046) McMicken Island 47°14'57"N, 122°51'40"W

Pigeon Guillemot 6 Speich & Wahl 06/23/82 B III 257

(047) Pitt Island 47°13'25"N, 122°42'55"W

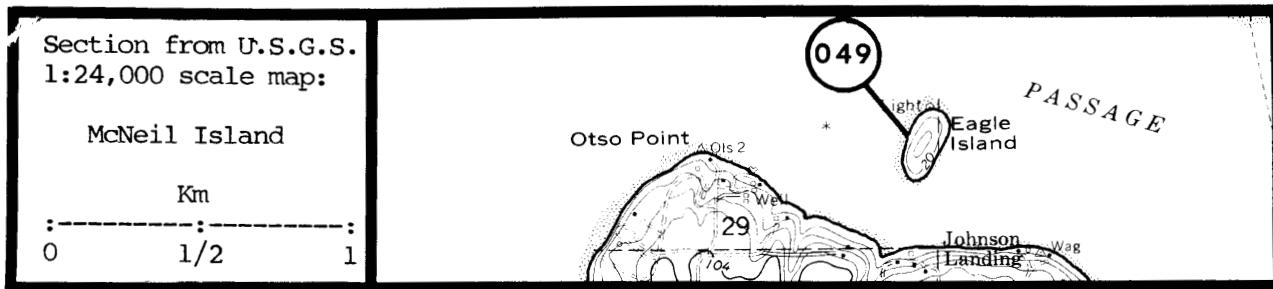
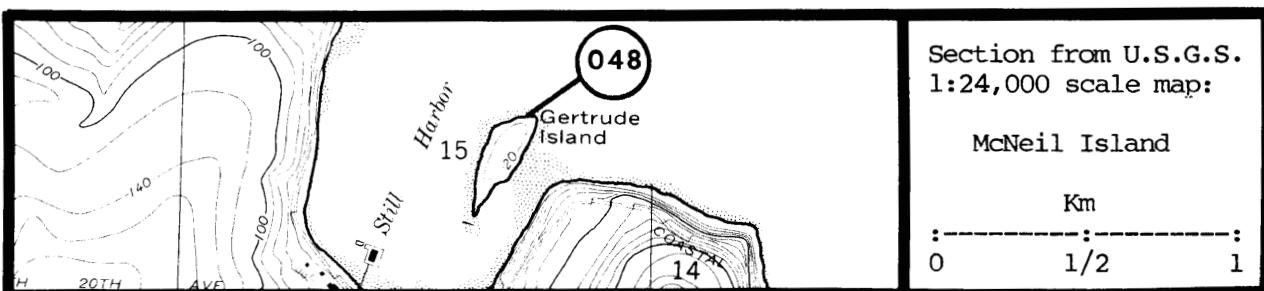
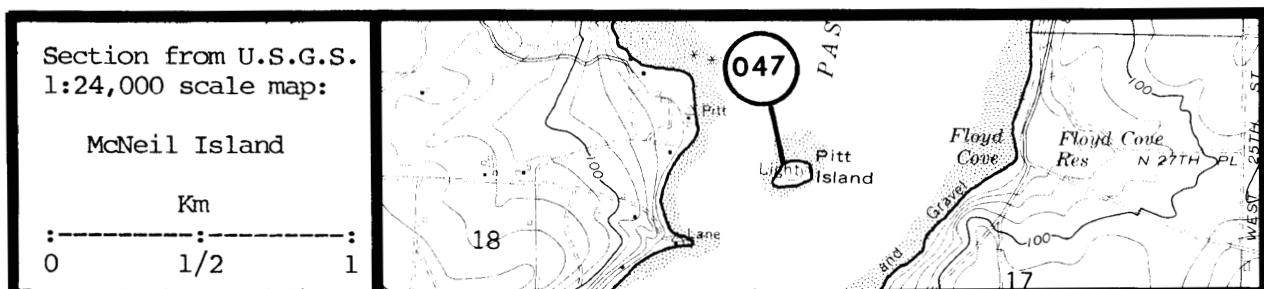
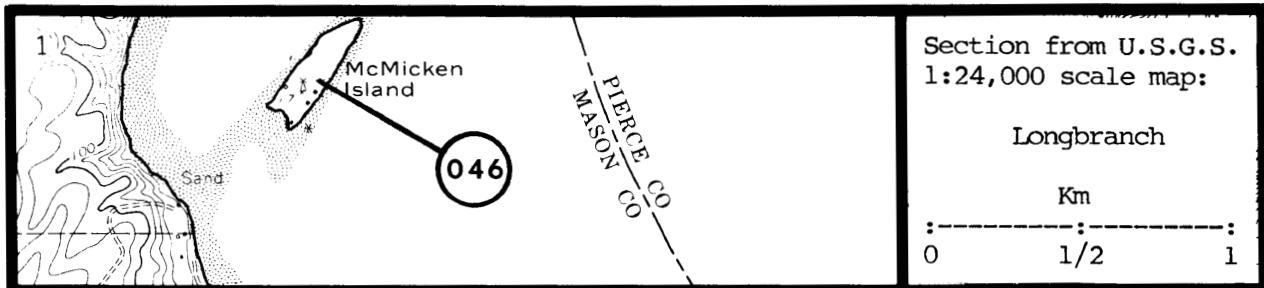
Pigeon Guillemot 7 Speich & Wahl 06/23/82 B III 257

(048) Gertrude Island 47°13'04"N, 122°39'30"W

Pigeon Guillemot 4 Speich & Wahl 06/23/82 B III 257

(049) Eagle Island 47°11'17"N, 122°41'40"W

No Nesting Observed	0	Speich & Wahl	06/22/82	B III 257
Pigeon Guillemot	2	Sluss	Summer/80	B III 249
Pigeon Guillemot	2	Sluss	Summer/81	B III 249
Pigeon Guillemot	2	Sluss	Summer/82	B III 249



AREA 175, Seattle (cont'd.)

(050)

Young Cove, bank E of 47°09'00"N, 122°56'00"W

Pigeon Guillemot	6-10	McAllister	Summer/82	B III 192
Pigeon Guillemot	6-10	McAllister	Summer/81	B III 192

(051)

Green Cove, bank NE of 47°06'10"N, 122°56'38"W

Pigeon Guillemot	X	McAllister	Late 1960's	B III 192
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(052)

Gull Harbor, cliff 47°06'50"N, 122°53'27"W

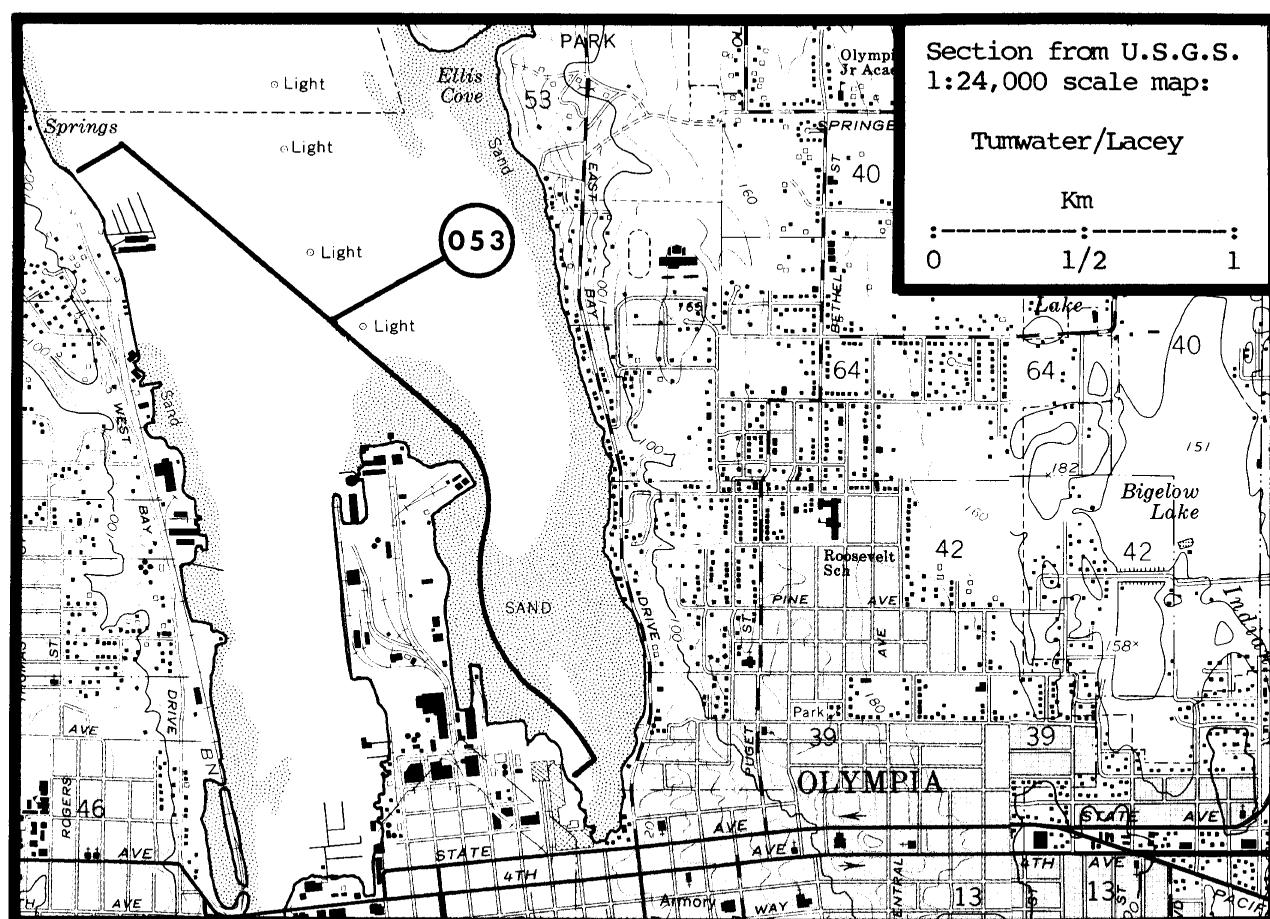
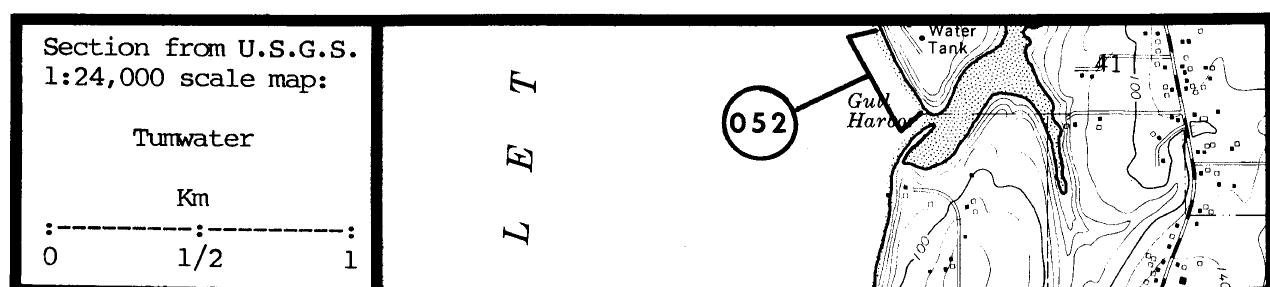
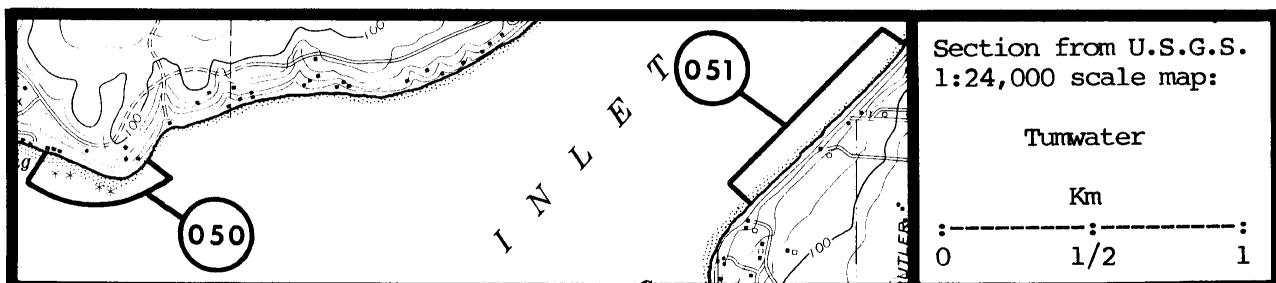
Pigeon Guillemot	11	Speich & Wahl	06/21/82	B III 257
Pigeon Guillemot	3	Harrington-Tweit	04/28/77	L III 124
Pigeon Guillemot	X	Sluss	Summer/80	B III 249
Pigeon Guillemot	X	Sluss	Summer/81	B III 249
Pigeon Guillemot	X	Sluss	Summer/82	B III 249

(053)

Olympia, waterfront 47°03'30"N, 122°54'30"W

Glaucous-winged Gull	30	Speich & Wahl	06/21/82	B II 257
Pigeon Guillemot	<u>12</u>	Speich & Wahl	06/21/82	B III 257
Total	42			

Glaucous-winged Gull	18	Harrington-Tweit	06/15-07/12/76	L II 124
Glaucous-winged Gull	30-40	Knight	08/15/78	L III 171
Glaucous-winged Gull	8	Knight	08/25/78	L III 171
Glaucous-winged Gull	20-24	Knight	08/08/79	L III 171
Glaucous-winged Gull	4	Harrington-Tweit	08/06/81	L III 124
Pigeon Guillemot	2	Reed	06/11/49	E - 225
Pigeon Guillemot	X	Sluss	Summer/80	B III 249
Pigeon Guillemot	35	Harrington-Tweit	05/16/81	L III 124
Pigeon Guillemot	X	Sluss	Summer/81	B III 249
Pigeon Guillemot	X	Sluss	Summer/82	B III 249



AREA 175, Seattle (cont'd.)

(054)

Anderson Island, south end 47°07'30"N, 122°42'00"W

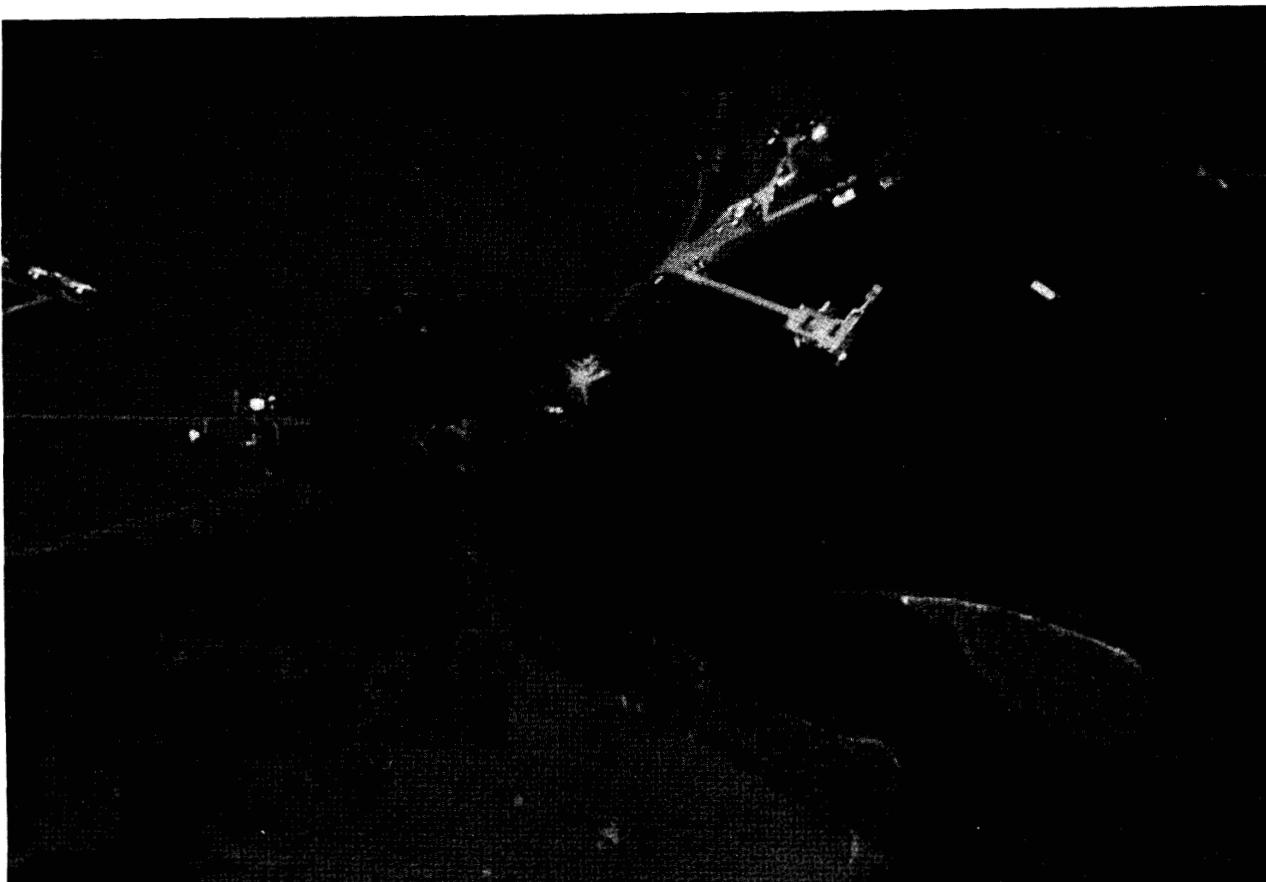
Pigeon Guillemot 10-20 Beecher 07/27/80 L III 24

(055)

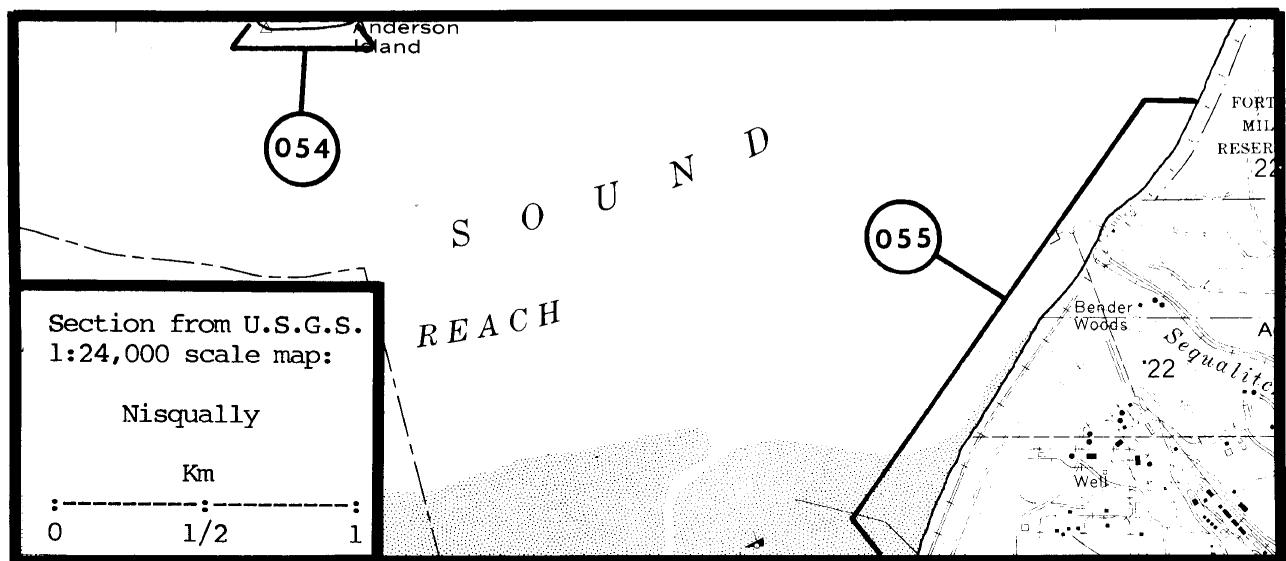
Nisqually Reach, east shoreline 47°06'50"N, 122°40'06"W

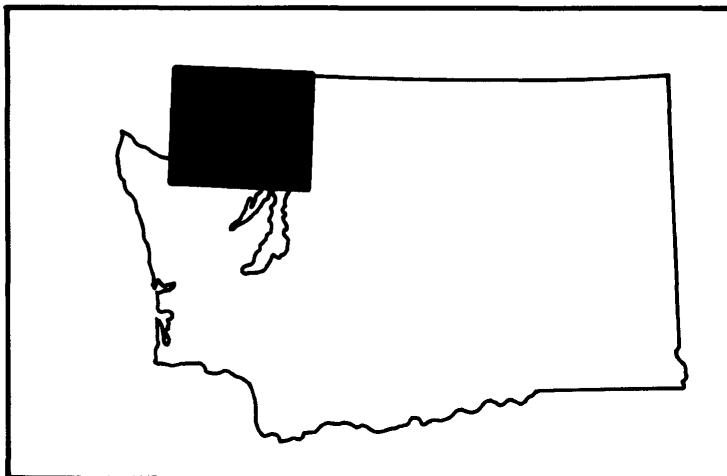
Pigeon Guillemot	2	Harrington-Tweit	06/25/81	L III 124
Pigeon Guillemot	1	Suckley <sup>1</sup>	?/ ?/1855	S - 259
Pigeon Guillemot	1	Suckley <sup>1</sup>	?/ ?/1856?	S - 259
Pigeon Guillemot	2	Suckley <sup>1</sup>	08/08/1856	S - 259

<sup>1</sup>Insufficient data to show exact map location.



Gertrude Island (175048) 1978 S.G. Herman





156

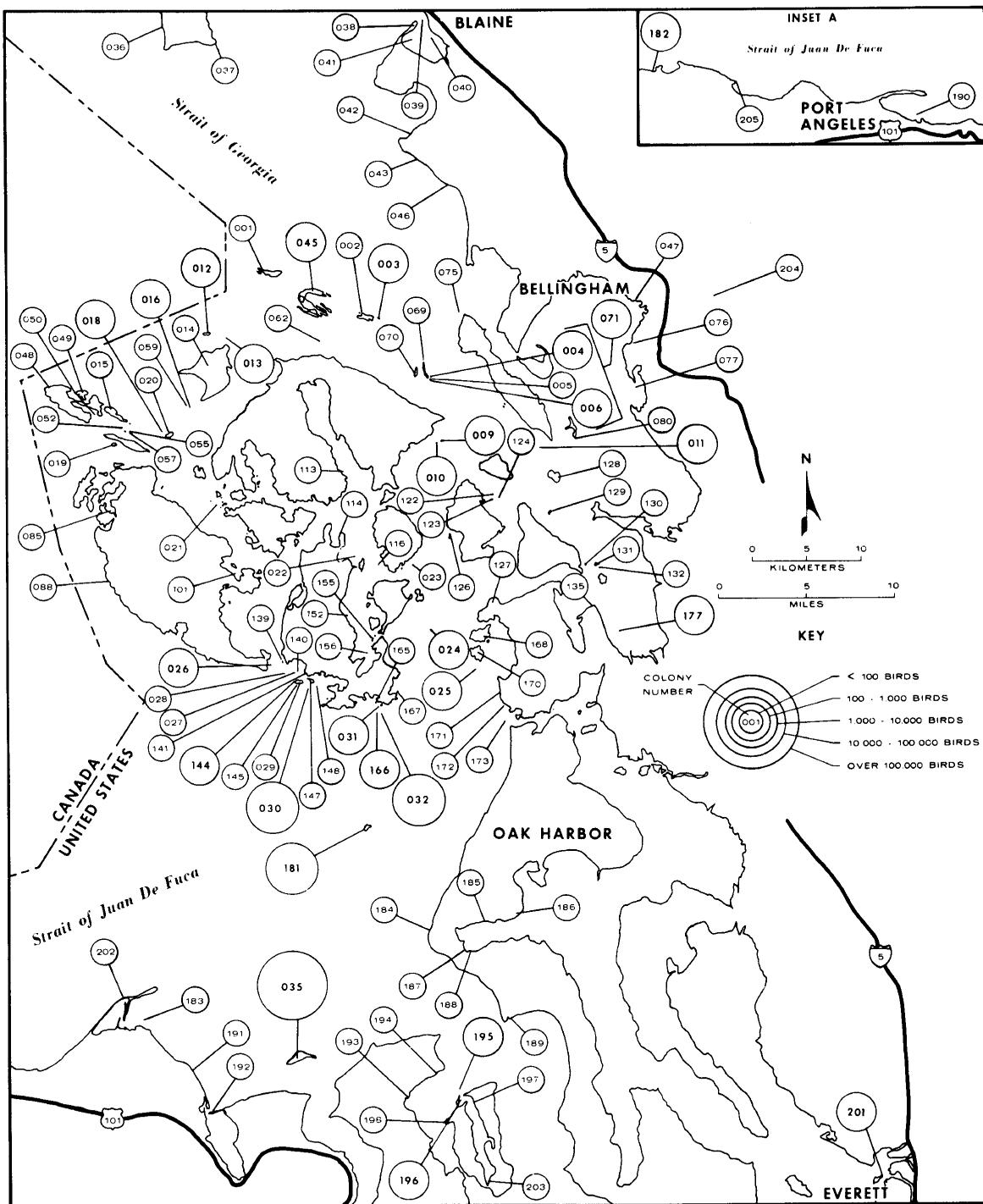
## Victoria

The map on the facing page is an index to the locations of colonies within map 156, Victoria. Note that all colonies on the map are not numbered consecutively from north to south, or west to east, since many previously unreported sites have been added since initial colony numbers were assigned by Varoujean (1979). On the pages following this map, all colonies are listed sequentially and a detailed map of each is provided.

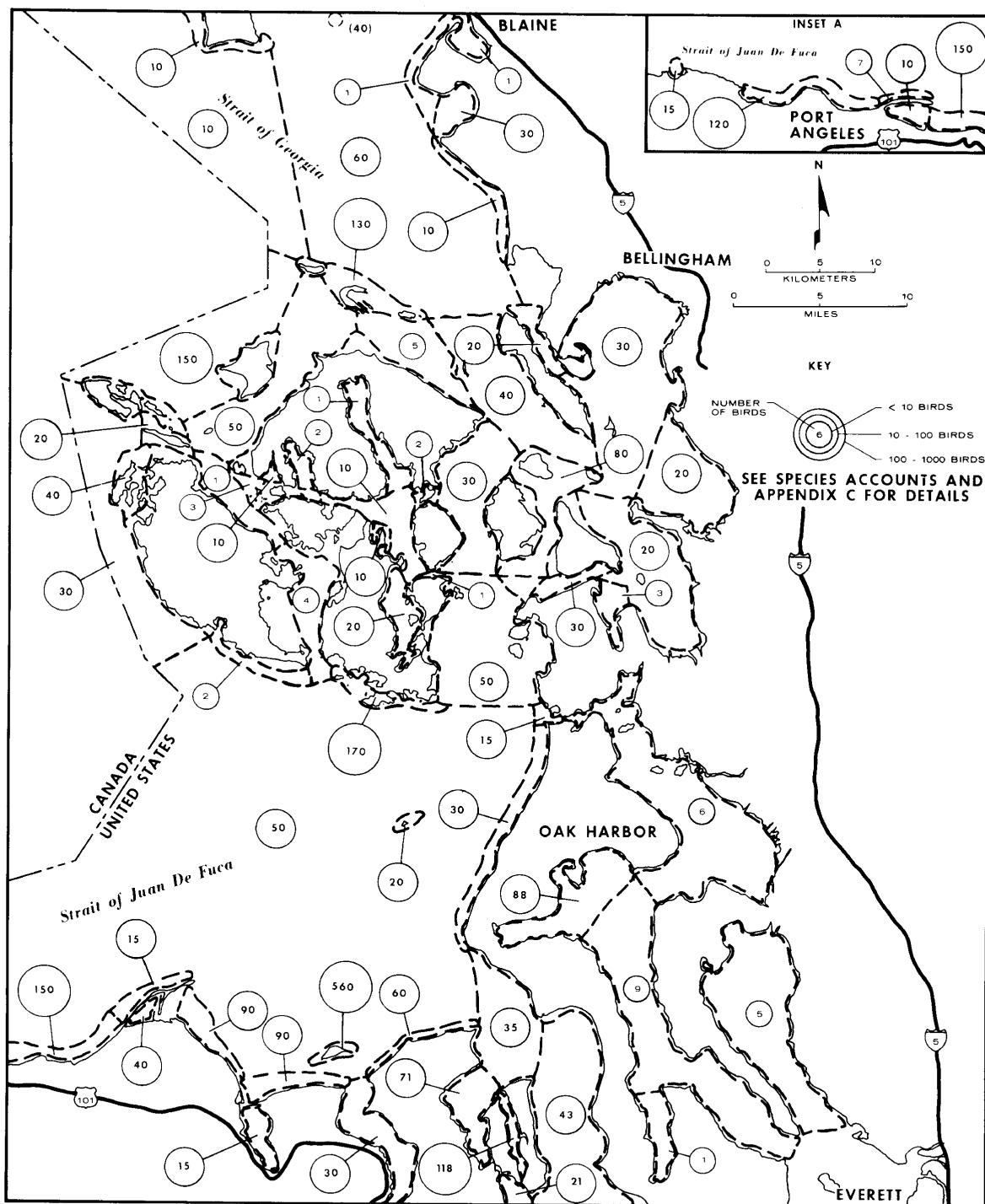
Numbers of breeding seabirds vary from year to year. Below are the approximate numbers of breeding seabirds within this region.

Double-crested Cormorant	1,100
Pelagic Cormorant	2,200
American Black Oystercatcher	120
Glaucous-winged and Western gulls	19,000
Pigeon Guillemot	3,500
Marbled Murrelet	2,200
Rhinoceros Auklet	37,000
Tufted Puffin	60

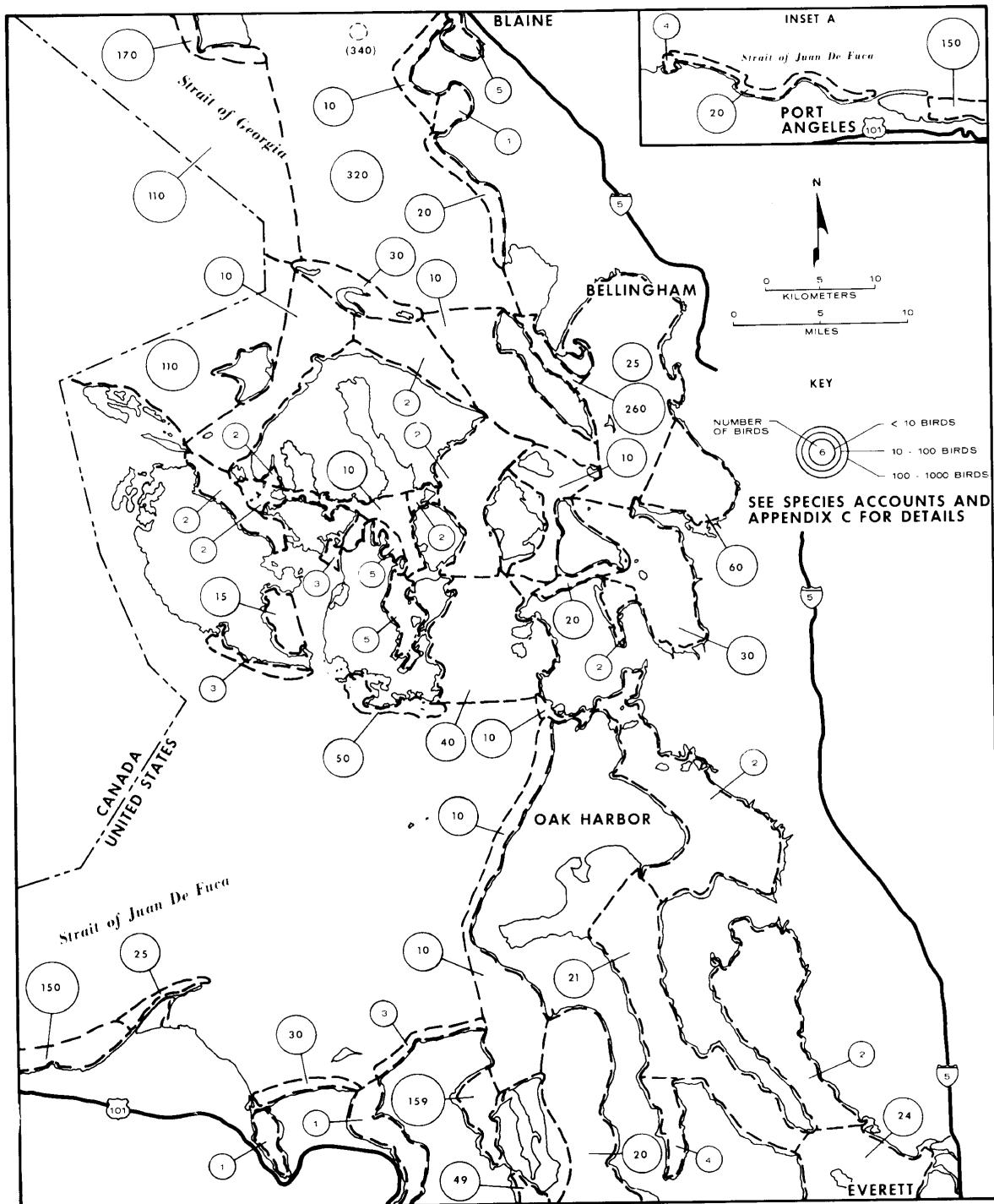
## 156 VICTORIA



**Relative distribution for Pigeon Guillemots in map area 156, Victoria.**



**Relative distribution for Marbled Murrelets in map area 156, Victoria.**



## AREA 156, Victoria (cont'd.)

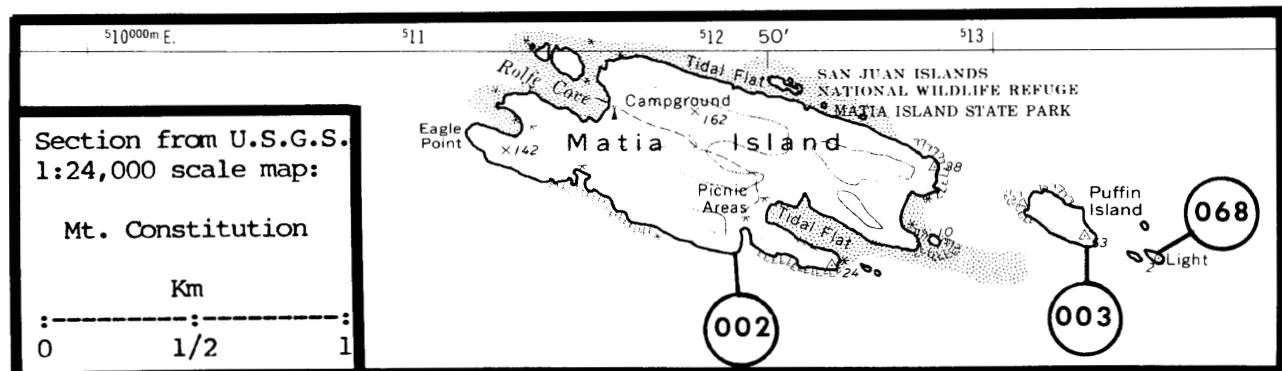
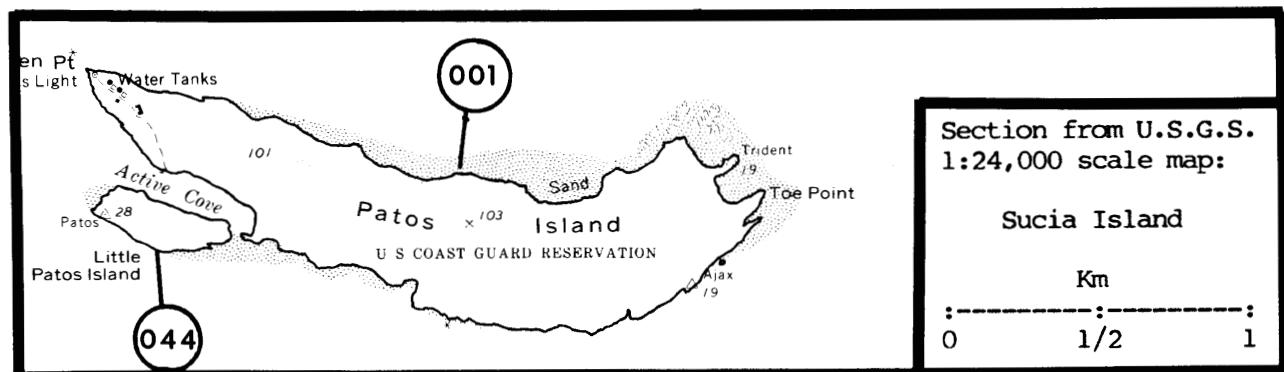
SITE NUMBER	COLONY NAME	LAT.-LONG.			
(191)	PORT WILLIAMS	48° 07' 00", 123° 03' 00" W			
	PIGEON GUILLEMOT	34 SPEICH	05/23/79	B III	255
	PIGEON GUILLEMOT	33 SPEICH	05/26/78	B III	255
SPECIES NAME	NUMBER	SOURCE	SURVEY DATE	SURVEY TYPE	REFERENCE DATA QUALITY
	BREEDING BIRDS				

## (001) Patos Island 48°47'05"N, 122°57'10"W

Glaucous-winged Gull	40	Speich & Wahl	06/05/78	B III 257
Pigeon Guillemot	9	Paulson; Wahl	06/07/79	A III 207;269
Total	49			
Glaucous-winged Gull	40	Manuwal 1973	05/27/73	L II 186
Pigeon Guillemot	2	Forbush	06/11/1888	S - 106
Pigeon Guillemot	1	Jewett	07/08/48	S - 157
Pigeon Guillemot	100	Manuwal 1973	05/27/73	L III 186
Pigeon Guillemot	X	Speich & Wahl	06/05/78	B III 257

## (002) Matia Island 48°44'50"N, 122°50'00"W

Pigeon Guillemot	9	Paulson; Wahl	06/07/79	A III 207;269
Black Oystercatcher	2	Forbush	06/09/1888	S - 106
Black Oystercatcher	2	Forbush	06/29/1888	S - 106
Brandt's Cormorant	X	Jewett	07/06/40	L III 154
Brandt's Cormorant	P	Jewett	pre-1953	? ? 155
Pelagic Cormorant	P	Jewett 1937	05/23/37	L ? 156
Glaucous-winged Gull	X	Jewett 1937	05/23/37	L ? 156
Pigeon Guillemot	X	Jewett 1937	05/23/37	L ? 156
Pigeon Guillemot	40	Jewett	07/06/40	L III 154
Pigeon Guillemot	X	Jewett 1937	07/07/40	? ? 155
Pigeon Guillemot	100	Nisqually NWR	06/08/63	L III 202
Pigeon Guillemot	100	Marshall	?/?63	? ? 191
Pigeon Guillemot	25	Nisqually NWR	06/20/67	L III 154



Patos Island (156001) US Coast Guard

## AREA 156, Victoria (cont'd.)

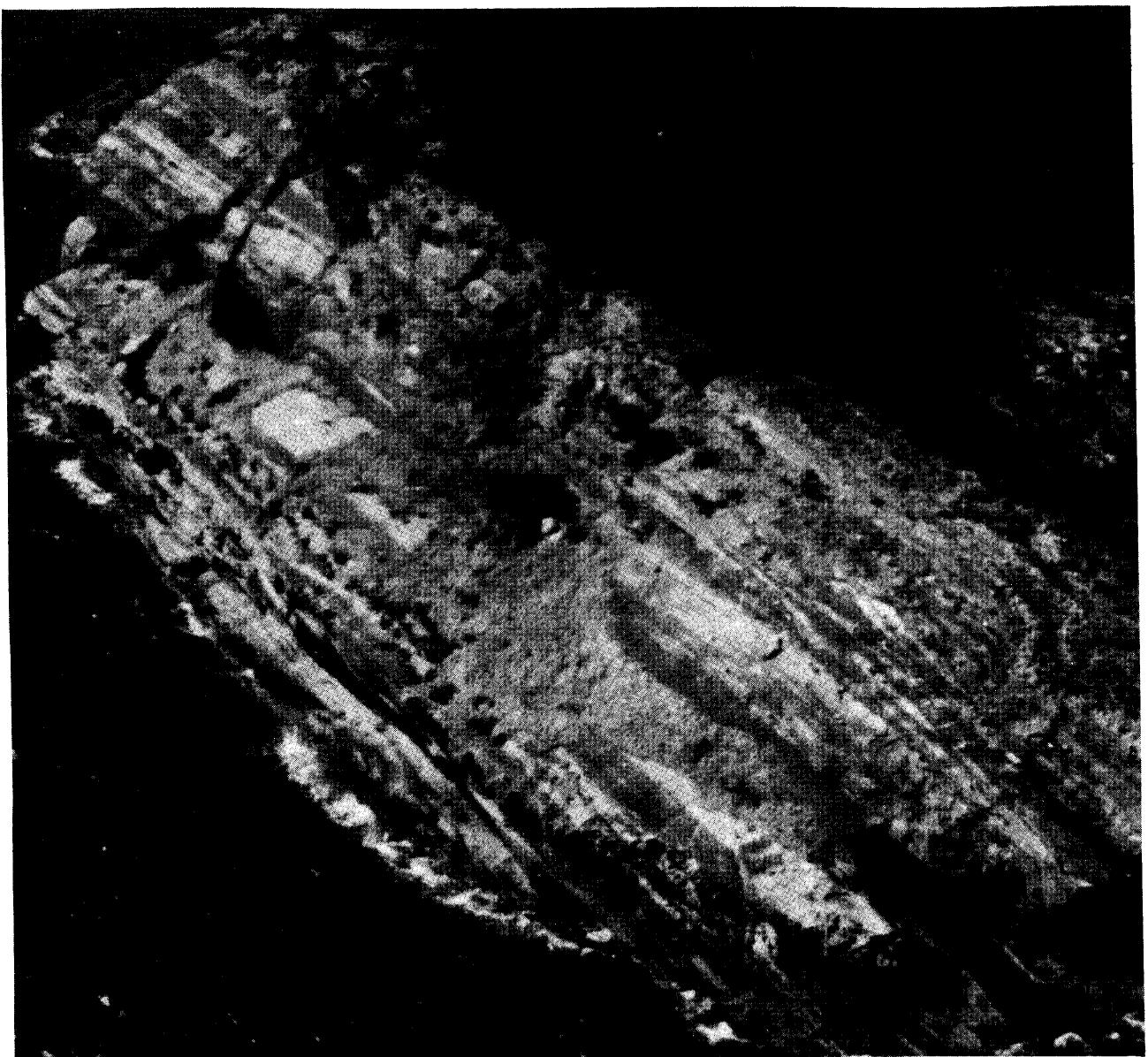
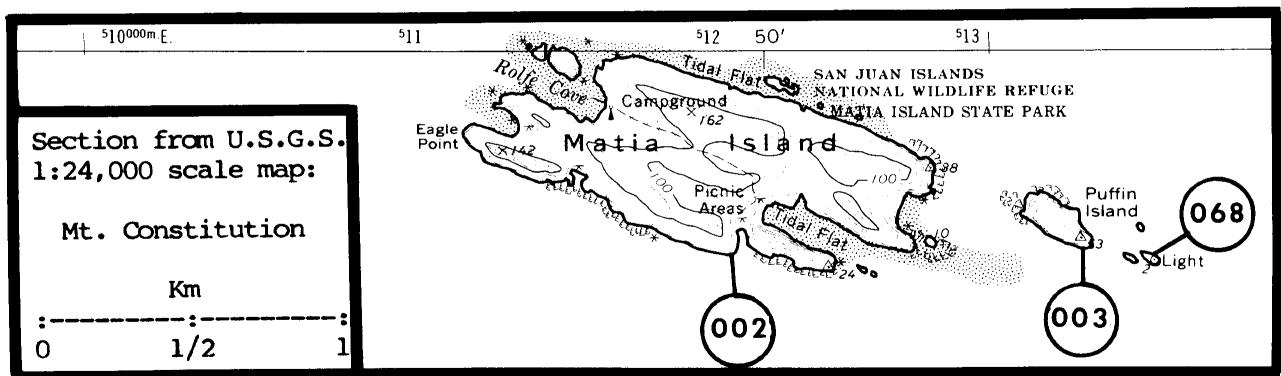
Pigeon Guillemot	10	Nisqually NWR	08/21-23/67	L III 202
Pigeon Guillemot	25	Nisqually NWR	07/13-16/68	L III 202
Pigeon Guillemot	P	Manuwal 1973	05/26-27/73	L III 186
Pigeon Guillemot	8	Wahl; Harrington-Tweit	05/24/78	A III 269; 124
Pigeon Guillemot	100	Speich & Wahl	06/05/78	B III 257

(003)

Puffin Island 48°44'42"N, 122°49'12"W

Black Oystercatcher	2	Speich & Wahl	06/05/78	B III 257
Glaucous-winged Gull	700	Speich & Wahl	06/05/78	B III 257
Pigeon Guillemot	280	Speich & Wahl	06/05/78	B III 257
Total	982			

Cormorant sp.	200	Nisqually NWR	06/06/62	B ? 202
Double-crested Cormorant	16	Eddy	06/01/57	L I 95
Pelagic Cormorant	12+	Eddy	06/01/57	L III 95
Pelagic Cormorant	80	Nisqually NWR	06/18/63	L III 202
Pelagic Cormorant	30	Hauser & Monson 1963	07/16-17/63	B ? 145
Black Oystercatcher	2	Nisqually NWR	06/18/63	L III 202
Black Oystercatcher	2	Hauser & Monson 1963	07/16-17/63	B ? 145
Black Oystercatcher	2P	Manuwal 1973	05/26/73	L III 186
Black Oystercatcher	2	Eddy	06/09/74	L I 95
Glaucous-winged Gull	X	Jewett 1937	05/23/37	L ? 156
Glaucous-winged Gull	2	Ray	06/21/38	E - 224
Glaucous-winged Gull	X	Jewett	07/06/40	L III 154
Glaucous-winged Gull	80B	Schultz	?/?49	L III 245
Glaucous-winged Gull	800+	Eddy	06/01/57	L III 95
Glaucous-winged Gull	1200	Nisqually NWR	06/06/62	B ? 202
Glaucous-winged Gull	2000	Nisqually NWR	06/18/63	L III 202
Glaucous-winged Gull	600	Hauser & Monson 1963	07/16-17/63	B ? 145
Glaucous-winged Gull	600-700	Manuwal 1973; Manuwal	05/26/73	L III 186;188
Glaucous-winged Gull	310	Eddy	06/09/74	L II 95
Glaucous-winged Gull	~250	Wahl	07/19/82	A III 269
Pigeon Guillemot	8+	Eddy	06/01/57	L III 95
Pigeon Guillemot	25	Nisqually NWR	06/18/63	L III 202
Pigeon Guillemot	50	Hauser & Monson 1963	07/16-17/63	B III 145
Pigeon Guillemot	30	Manuwal 1973	05/26/73	L III 186
Pigeon Guillemot	36	Nisqually NWR	08/06/80	B III 202
Tufted Puffin	2	Ray	06/21/38	E - 224
Tufted Puffin	4	Richardson	06/01/57	L III 229
Tufted Puffin	8+	Eddy	06/01/57	L III 95
Tufted Puffin	2	Nisqually NWR	06/18/63	L III 202
Tufted Puffin	7	Hauser & Monson 1963	07/16-17/63	B ? 145



Puffin Island (156003) 19 July 1982 T.R. Wahl

## AREA 156, Victoria (cont'd.)

(004)

Lone Tree Island (Sister Island, north) 48°41'41"N, 122°45'22"W

Black Oystercatcher	4	Speich & Wahl	06/05/78	B III 257
Glaucous-winged Gull	820	Speich & Wahl	06/05/78	B III 257
Pigeon Guillemot	6	Speich & Wahl	06/05/78	B III 257
Total	830			

Pelagic Cormorant	26+	Eddy	06/01/57	L III 95
Black Oystercatcher	2	Eddy	06/01/57	L I 95
Black Oystercatcher	2	Richardson	06/02/57	L I 229
Black Oystercatcher	2	Eddy 1975	06/13/75	L I 94
Black Oystercatcher	2-4	Nysewander	06/13/75	L III 205
Glaucous-winged Gull	584	Eddy	06/01/57	L II 95
Glaucous-winged Gull	824	Eddy 1975	06/13/75	L II 94
Pigeon Guillemot	15+	Eddy	06/01/57	L III 95
Pigeon Guillemot	12	Eddy 1975	06/13/75	L II 94

(005)

Sister Island, middle 48°41'33"N, 122°45'28"W

Black Oystercatcher	2	Speich & Wahl	06/05/78	B III 257
Glaucous-winged Gull	40	Speich & Wahl	06/05/78	B III 257
Total	42			

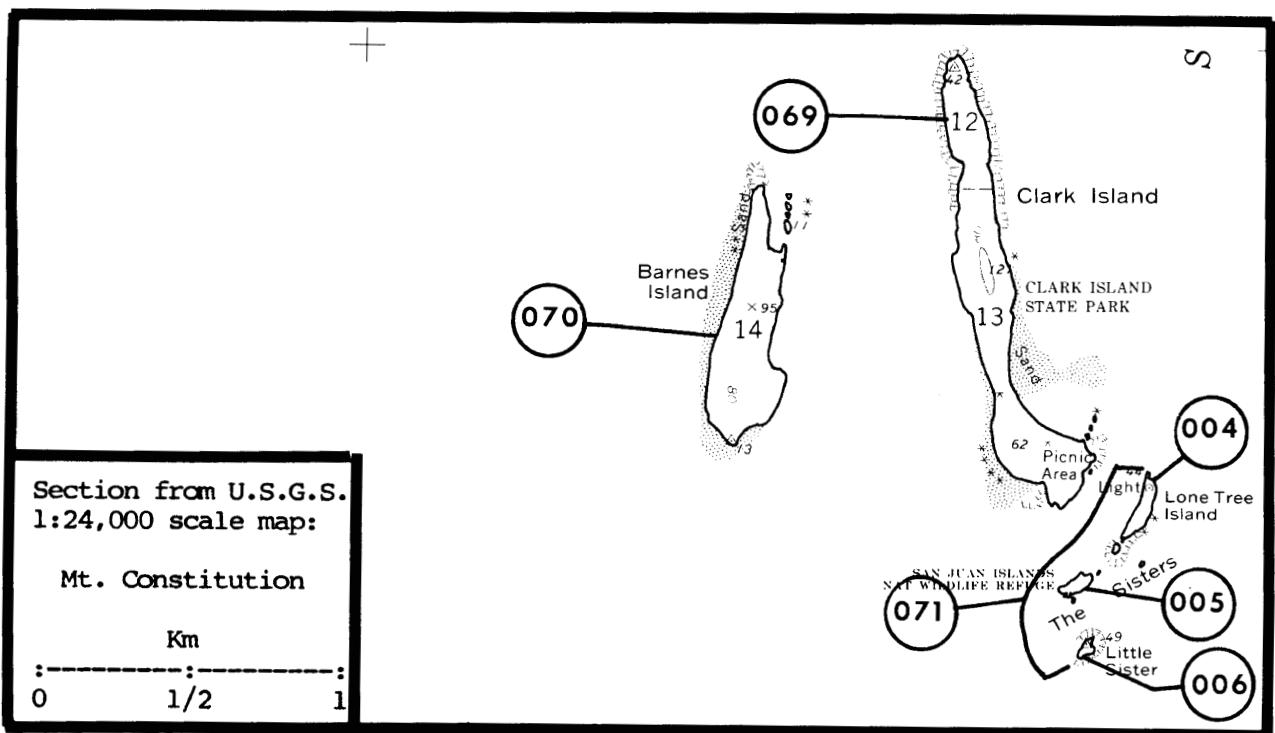
Black Oystercatcher	2?	Eddy	06/01/57	L III 95
Black Oystercatcher	2	Eddy 1975; Nysewander	06/13/75	L I 94;205
Glaucous-winged Gull	X	Jewett 1937	05/26/37	L III 156
Glaucous-winged Gull	36	Eddy	06/01/57	L II 95
Glaucous-winged Gull	44	Eddy 1975	06/13/75	L II 94
Pigeon Guillemot	50	Jewett 1937	05/26/37	L III 156
Pigeon Guillemot	?	Eddy	06/01/57	L III 95

(006)

Sister, Little (Sister Island, south) 48°41'23"N, 122°45'30"W

Double-crested Cormorant	4	Speich & Wahl	06/05/78	B I 257
Pelagic Cormorant	22	Speich & Wahl	06/05/78	B I 257
Black Oystercatcher	2	Speich & Wahl	06/05/78	B III 257
Glaucous-winged Gull	260	Speich & Wahl	06/05/78	B III 257
Total	288			

Double-crested Cormorant	4	Eddy 1975	06/13/75	L I 94
Pelagic Cormorant	18	Eddy	06/01/57	L I 95
Black Oystercatcher	2	Eddy	06/01/57	L III 95
Black Oystercatcher	2	Eddy 1975; Nysewander	06/13/75	L I 94;205
Glaucous-winged Gull	X	Jewett 1937	05/26/37	B III 156
Glaucous-winged Gull	94	Eddy	06/01/57	L II 95
Glaucous-winged Gull	262	Eddy 1975	06/13/75	L II 94



Sister, Little (156006)(right) Lone Tree Island (156004)(left) Sister Island,  
Middle (156005) USF&WS

## AREA 156, Victoria (cont'd.)

(007)

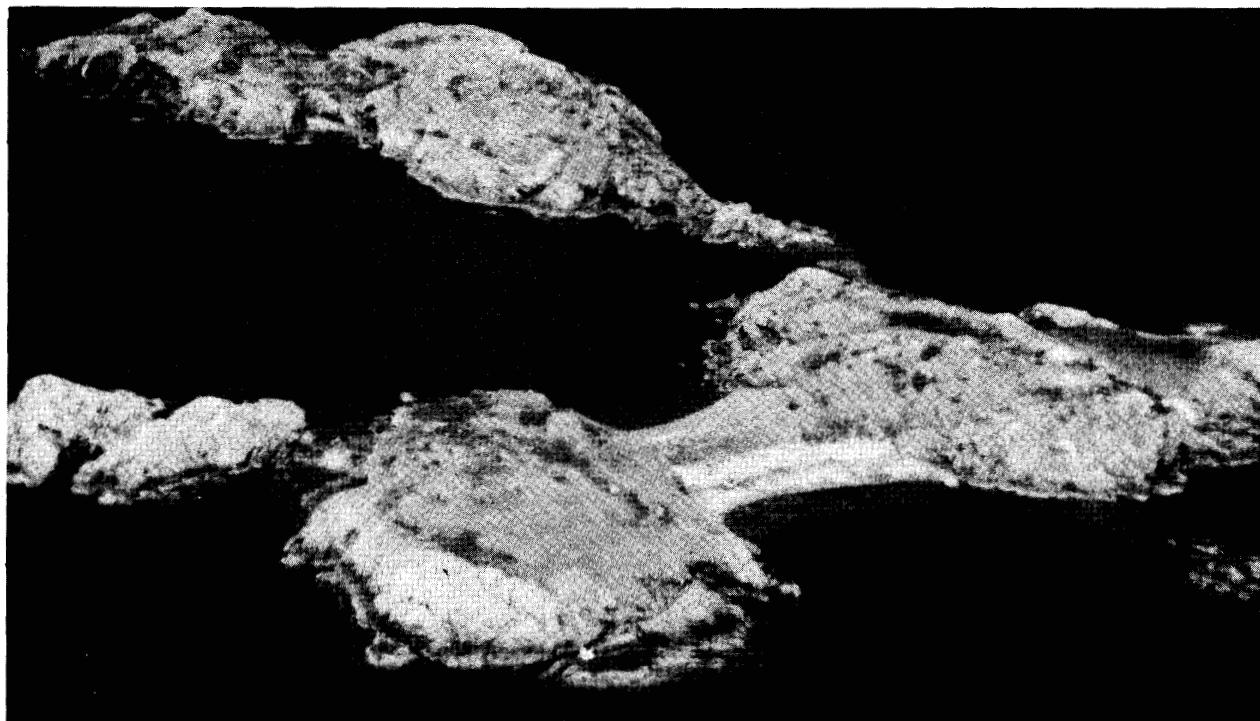
Lummi Rocks 48°40'15"N, 122°40'00"W

No Nesting Observed	0	Wahl	07/19/82	A III 269
No Nesting Observed	0	Cassidy	Summer/79	B III 56
No Nesting Observed	0	Garlick	05/21/81	? ? 113
Glaucous-winged Gull	12	Eddy 1975	06/13/75	L I 94
Glaucous-winged Gull	20	Speich & Wahl	06/05/78	B III 257
Pigeon Guillemot	1	Speich & Wahl	06/05/78	B III 257

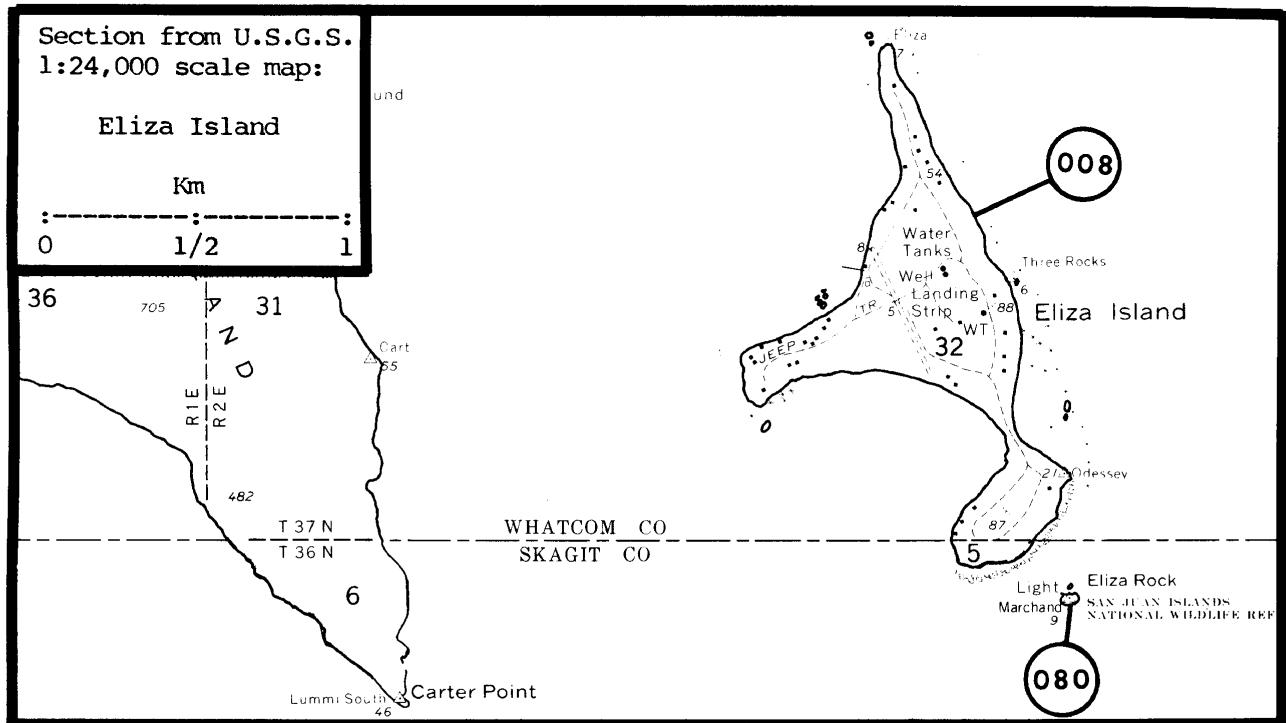
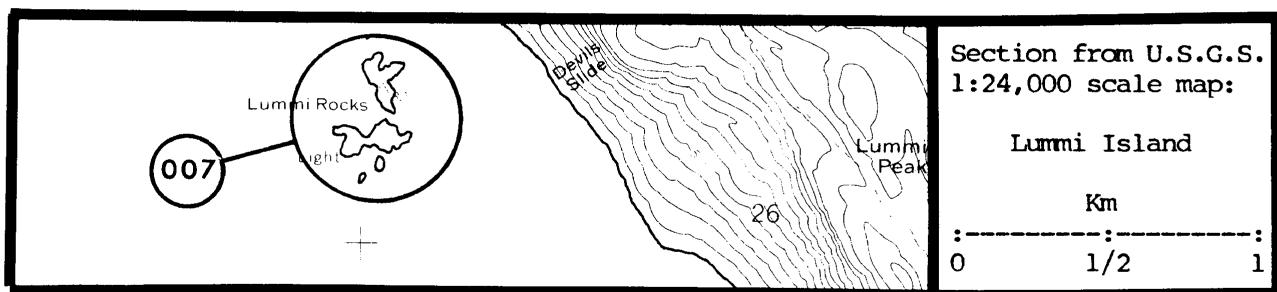
(008)

Eliza Island 48°39'54"N, 122°35'00"W

No Nesting Observed	0	Speich & Wahl	06/05/78	B III 257
Pelagic Cormorant	2	Salter	05/06/48	S - 239
Pelagic Cormorant	1	Hudson	06/24/49	S - 149
Glaucous-winged Gull	1	Salter	07/25/48	S - 239
Glaucous-winged Gull	6	Manuwal 1977	?/?73-75	L I 187
Glaucous-winged Gull	6P	Eddy 1975	06/13/75	B III 94
Pigeon Guillemot	1	Hoffman	06/30/49	S - 136
Pigeon Guillemot	1	Hudson	07/25/49	S - 149
Pigeon Guillemot	2	Manuwal 1977	?/?73-75	L III 187



Lummi Rocks (156007) 19 July 1982 T.R. Wahl



## AREA 156, Victoria (cont'd.)

(009)

Peapod, North (North Peapod) 48°38'32"N, 122°44'37"W

Black Oystercatcher	2	Pitman	06/21/78	B III 217
Glaucous-winged Gull	211	Wahl	06/15/79	B III 269
Pigeon Guillemot	5	Wahl	06/15/79	B III 269
Total	218			

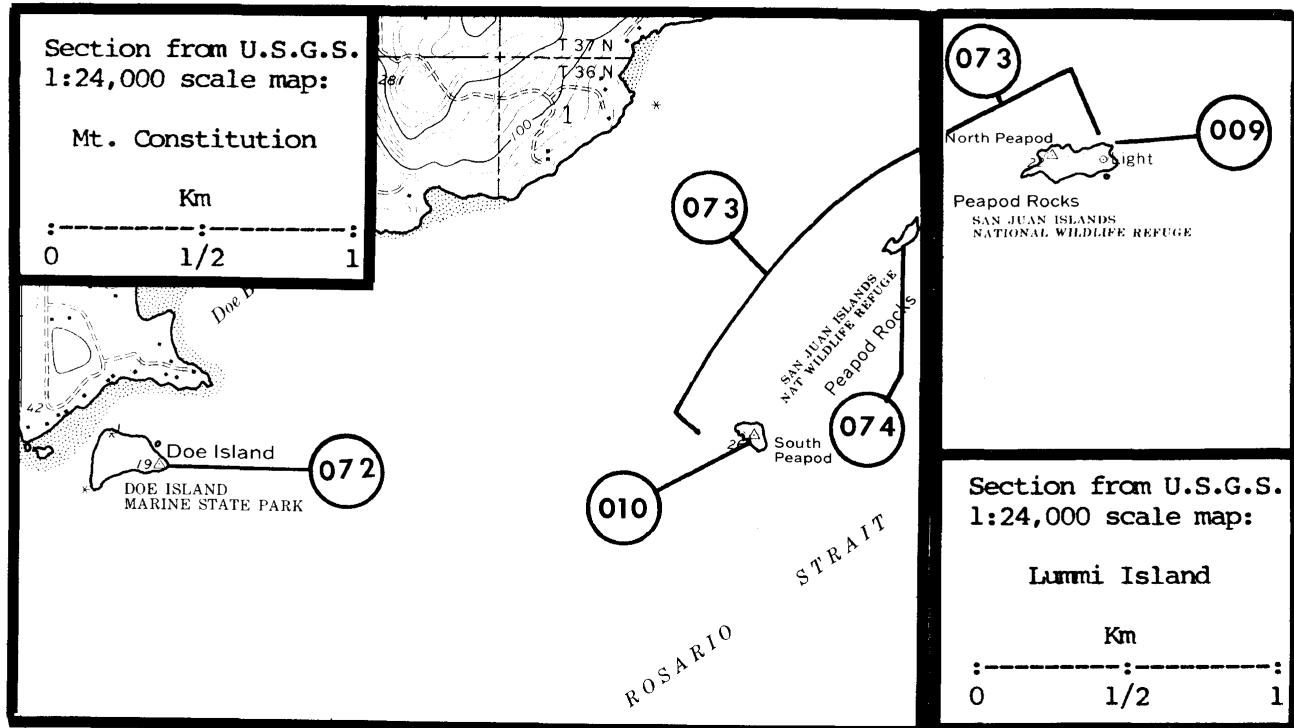
No Nesting Observed	0	Jewett 1937	05/25/37	B ? 156
Pelagic Cormorant	12	Eddy	06/02/57	L I 95
Black Oystercatcher	4	Nisqually NWR	06/20/63	B III 202
Black Oystercatcher	X	Washington Dept. Game	?/?/70	? ? 203
Black Oystercatcher	2	Manuwal 1977	?/?/73-75	L I 187
Black Oystercatcher	4	Eddy	06/07/74	L I 95
Black Oystercatcher	2	Nysewander	06/13/75	L I 205
Glaucous-winged Gull	X	Hudson	06/18-07/01/49	? III 148
Glaucous-winged Gull	280	Eddy	06/02/57	L II 95
Glaucous-winged Gull	400	Nisqually NWR	06/20/63	B III 202
Glaucous-winged Gull	440	Manuwal 1977	?/?/73-75	L III 187
Glaucous-winged Gull	540	Eddy	06/07/74	L III 95
Glaucous-winged Gull	200	Pitman	06/21/78	B III 217
Glaucous-winged Gull	<250	Wahl	07/19/82	A III 269
Pigeon Guillemot	X	Hudson	06/18-07/01/49	? III 148
Pigeon Guillemot	10+	Eddy	06/02/57	L III 95
Pigeon Guillemot	4	Nisqually NWR	06/20/63	B III 202
Pigeon Guillemot	4	Manuwal	?/?/73-75	L III 187
Pigeon Guillemot	4	Eddy	06/07/74	L III 95
Pigeon Guillemot	6	Pitman	06/21/78	B III 217
Pigeon Guillemot	1	Wahl; Paulson	07/06/78	A III 269;207
Tufted Puffin	?	Hudson	06/18-07/01/49	? III 148

(010)

Peapod, South (South Peapod) 48°38'03"N, 122°45'27"W

Glaucous-winged Gull	261	Wahl	06/15/79	B III 269
Pigeon Guillemot	15	Wahl	06/15/79	B III 269
Total	276			

Cormorant sp.	P	Jewett 1937	05/25/37	L III 156
Pelagic Cormorant	X	Hudson	06/18-07/01/49	? III 148
Black Oystercatcher	3?	Hudson	06/18-07/01/49	? III 148
Black Oystercatcher	2	Schultz	06/02/57	L I 244
Black Oystercatcher	2	Nisqually NWR	06/20/63	B ? 202
Black Oystercatcher	2	Manuwal 1977	?/?/73-75	L I 187
Black Oystercatcher	2	Eddy	06/07/74	L I 95
Black Oystercatcher	2	Nysewander	06/13/75	L III 205
Glaucous-winged Gull	300	Jewett 1937	05/25/37	L III 156
Glaucous-winged Gull	X	Hudson	06/18-07/01/49	? III 148
Glaucous-winged Gull	320	Eddy	06/02/57	L II 95
Glaucous-winged Gull	400	Nisqually NWR	06/20/63	B ? 202
Glaucous-winged Gull	150	Manuwal 1977	?/?/73-75	L II 187



Glaucous-winged Gull	390	Eddy	06/07/74	L II 95
Glaucous-winged Gull	170	Pitman	06/21/78	B III 217
Glaucous-winged Gull	<200	Wahl	07/19/82	A III 269
Pigeon Guillemot	P	Jewett 1937	05/25/37	L III 156
Pigeon Guillemot	X	Hudson	06/18-07/01/49	? III 148
Pigeon Guillemot	20+	Eddy	06/02/57	L III 95
Pigeon Guillemot	2	Nisqually NWR	06/20/63	B ? 202
Pigeon Guillemot	4	Eddy	06/07/74	L III 95
Pigeon Guillemot	4	Manuwal 1977	?/?/73-75	L III 187
Pigeon Guillemot	2	Pitman	06/21/78	B III 217
Tufted Puffin	X	Hudson	06/18-07/01/49	? III 148

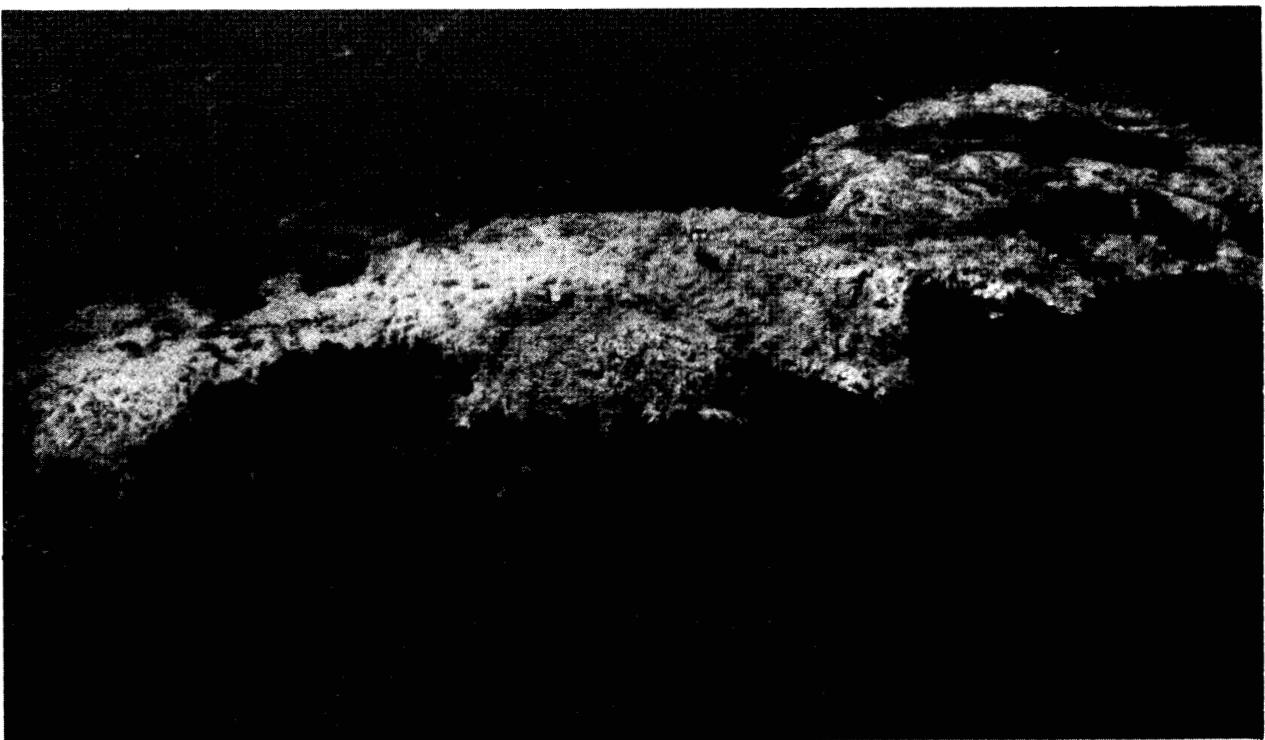
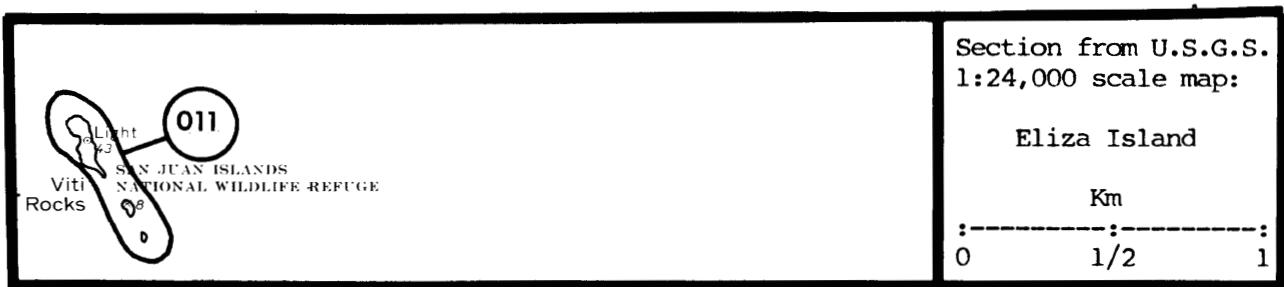
## AREA 156, Victoria (cont'd.)

(011) Viti Rocks 48°38'00"N, 122°37'17"W

Glaucous-winged Gull	280	Wahl	06/15/79	B III 269
Pigeon Guillemot	22	Wahl	06/15/79	B III 269
Total	302			

Double-crested Cormorant	4	Hudson	06/20/49	E - 149
Double-crested Cormorant	40-50	Hudson	06/21/49	L III 148
Double-crested Cormorant	2	Hudson	06/26/49	S - 149
Double-crested Cormorant	58	Eddy 1975	06/13/75	L I 94
Pelagic Cormorant	1	Booth	06/26/27	S - 34
Pelagic Cormorant	1	Booth	06/26/27	S - 35
Pelagic Cormorant	2	Booth	06/26/27	E - 34
Pelagic Cormorant	2	Booth	06/21/31	E - 38
Pelagic Cormorant	X	Hudson	06/21/49	L III 148
Pelagic Cormorant	2	Hudson	06/23/49	E - 149
Pelagic Cormorant	1	Hudson	06/25/49	S - 149
Pelagic Cormorant	160	Eddy 1975	06/13/75	L II 94
Pelagic Cormorant	22	Speich & Wahl	06/05/78	B I 257
Pelagic Cormorant	?	Wahl	07/19/82	A III 269
Black Oystercatcher	1	Hudson	06/21/49	L III 148
Black Oystercatcher	1	Hudson	06/25/49	S - 149
Black Oystercatcher	2	Wick 1958	?/?58	? ? 279
Black Oystercatcher	5	Eddy 1975; Nysewander	06/13/75	L II 94; 205
Black Oystercatcher	2	Speich & Wahl	06/05/78	B III 257
Black Oystercatcher	0	Garlick	05/21/81	B III 113
Glaucous-winged Gull	2	Booth	06/19/27	E - 36
Glaucous-winged Gull	6	Booth	06/19/27	E - 38
Glaucous-winged Gull	16	Booth	06/19/27	E - 34
Glaucous-winged Gull	12	Booth	06/15/30	E - 38
Glaucous-winged Gull	16	Booth	06/21/31	E - 38
Glaucous-winged Gull	1	Hudson	06/20/49	E - 149
Glaucous-winged Gull	X	Hudson	06/20/49	L III 148
Glaucous-winged Gull	530B	Schultz	?/?53	L III 245
Glaucous-winged Gull	2B	Schultz	07/18/61	L III 245
Glaucous-winged Gull	2B	Schultz	07/17/63	L III 245
Glaucous-winged Gull	774	Eddy 1975	06/13/75	L II 94
Glaucous-winged Gull	400	Speich & Wahl	06/05/78	B III 257
Glaucous-winged Gull	560	Wahl	06/15/78	B III 269
Glaucous-winged Gull	100's	Wahl	07/19/82	A III 269
Pigeon Guillemot	2	Booth	06/26/27	E - 34
Pigeon Guillemot	2	Booth	06/15/30	E - 38
Pigeon Guillemot	X	Hudson	06/20/49	L III 148
Pigeon Guillemot	2	Hudson	06/23/49	E - 149
Pigeon Guillemot	2	Eddy 1975	06/13/75	L III 94
Pigeon Guillemot	2	Speich & Wahl	06/05/78	B III 257
Pigeon Guillemot	22	Wahl	06/15/78	B III 269
Pigeon Guillemot	1	Wahl; Paulson	07/06/78	A III 269; 207
Tufted Puffin	1	[Booth]	06/26/27	S - 35
Tufted Puffin	4?	Hudson	06/20/49	L III 148
Tufted Puffin	0	Eddy 1975	06/13/75	(Pre-1975) L III 94

Four old burrows found.



Viti Rocks (156011) 19 July 1982 T.R. Wahl

## AREA 156, Victoria (cont'd.)

(012)

Skipjack Island 48°43'56"N, 123°02'00"W

Pelagic Cormorant	112	Wahl	07/19/82	A I 269
Glaucous-winged Gull	55	Paulson; Wahl	06/07/79	A III 207;269
Pigeon Guillemot	14	Paulson; Wahl	06/07/79	A III 207;269
Total	181			

Cormorant sp.	P	Edson 1929	06/22/05	L III 98
Pelagic Cormorant	1	Forbush	06/29/1888	S - 106
Pelagic Cormorant	P	Lumley 1934	?/ ?/33 (pre-1933)	L? ? 184
Pelagic Cormorant	0	Lumley 1934	?/ ?/34	? ? 184
Pelagic Cormorant	20	Eddy	08/11/62	B I 95
Glaucous-winged Gull	60-80	Edson 1929	06/22/05	L III 98
Glaucous-winged Gull	X	Lumley 1934	?/ ?/33	L? ? 184
Glaucous-winged gull	X	Lumley 1934	?/ ?/34	? ? 184
Glaucous-winged Gull	200	Jewett 1937	05/26/37	L III 156
Glaucous-winged Gull	64B	Schultz	?/ ?/47	L III 245
Glaucous-winged Gull	1	Schultz	08/06/47	S - 246
Glaucous-winged Gull	X	Schultz 1951	06/16/48	L III 240
Glaucous-winged Gull	55B	Schultz	?/ ?/49	L III 245
Glaucous-winged Gull	4	Schultz	08/06/49	S - 246
Glaucous-winged Gull	X	Eddy	05/31/57	B III 95
Glaucous-winged Gull	X	Eddy	08/11/62	B III 95
Glaucous-winged Gull	150	Manuwal 1977	?/ ?/73-75	L III 187
Glaucous-winged Gull	202	Eddy	06/09/74	L II 95
Glaucous-winged Gull	150	Speich & Wahl	06/05/78	B III 257
Pigeon Guillemot	1	Colt	04/26/1894	S - 61
Pigeon Guillemot	P	Edson 1929	06/22/05	L III 98
Pigeon Guillemot	X	Bakus 1965	07/05-12/59	? ? 18
Pigeon Guillemot	125	Eddy	08/11/62	B III 95
Pigeon Guillemot	40	Manuwal 1977	?/ ?/73-75	L III 187
Pigeon Guillemot	40	Eddy	06/09/74	L III 95
Pigeon Guillemot	40	Speich & Wahl	06/05/78	B III 257
Pigeon Guillemot	24	Wahl; Paulson	07/06/78	A III 269;207
Tufted Puffin	P	Edson 1929	06/22/05	L III 98
Tufted Puffin	X	Miller et al. 1935	?/ ?/33-35	? ? 199

Section from U.S.G.S.  
1:24,000 scale map:

Waldron Island

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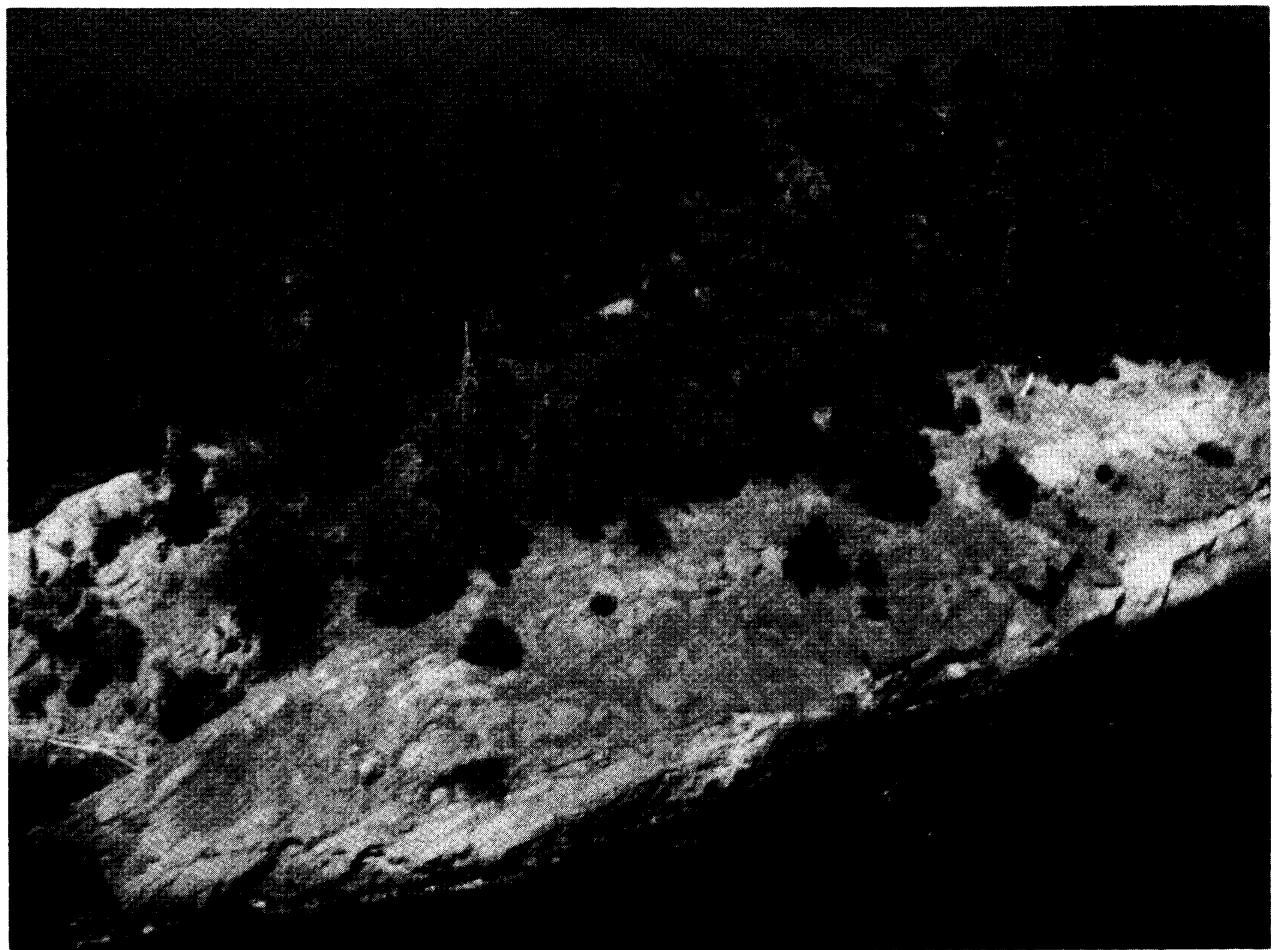
Skipjack Island



012

013

50  
Bare Island



Skipjack Island (156012) 19 July 1982 T.R. Wahl

## AREA 156, Victoria (cont'd.)

(013) Bare Island 48°43'48"N, 123°00'47"W

Pelagic Cormorant	100	Speich & Wahl	06/05/78	B III 257
Black Oystercatcher	2	Speich & Wahl	06/05/78	B III 257
Glaucous-winged Gull	240	Speich & Wahl	06/05/78	B II 257
Tufted Puffin	4	Speich & Wahl	06/05/78	B II 257
Total	346			

Cormorant sp.	20	Nisqually NWR	06/06/62	B ? 202
Cormorant sp.	5P	Nisqually NWR	05/05/67	B ? 202
Cormorant sp.	200P	Nisqually NWR	07/13-16/68	B ? 202
Double-crested Cormorant	N	Hudson	07/08/49	L III 148
Double-crested Cormorant	10	Manuwal 1973	05/27/73	L I 186
Pelagic Cormorant	50P	Edson 1929	06/27/05	L III 98
Pelagic Cormorant	1	McMannama	08/12/48	S - 193
Pelagic Cormorant	1	McMannama	08/19/48	S - 193
Pelagic Cormorant	X	Hudson	07/08/49	L III 148
Pelagic Cormorant	30-40	Bakus 1965	07/12&17/59	L III 18
Pelagic Cormorant	22	Eddy	08/11/62	B I 95
Pelagic Cormorant	40	Nisqually NWR	06/20/63	L III 202
Pelagic Cormorant	9	Hauser & Monson 1963	07/16-17/63	B ? 145
Pelagic Cormorant	14	Nisqually NWR	08/21-23/67	L II 202
Pelagic Cormorant	100	Manuwal 1977	?/?73-75	L III 187
Pelagic Cormorant	48	Manuwal	05/27/73	L I 188
Pelagic Cormorant	75	Manuwal 1973	05/27/73	L I 186
Pelagic Cormorant	100	Eddy	06/10/74	L III 95
Pelagic Cormorant	26+	Wahl	07/19/82	A III 269
Black Oystercatcher	2	Nisqually NWR	06/06/62	L III 202
Black Oystercatcher	3	Hauser & Monson 1963	07/16-17/63	B ? 145
Black Oystercatcher	2	Manuwal 1977	?/?73-75	L I 187
Black Oystercatcher	1	Manuwal	05/27/73	L III 188
Black Oystercatcher	2	Manuwal 1973	05/27/73	L I 186
Black Oystercatcher	2	Eddy	06/10/74	L II 95
Black Oystercatcher	2	Nysewander	06/14/75	L I 205
Glaucous-winged Gull	16	Edson 1929	06/27/05	L I 98
Glaucous-winged Gull	X	Miller et al. 1935	07/13/35	L ? 199
Glaucous-winged Gull	>200	Jewett 1937	05/26/37	L III 156
Glaucous-winged Gull	X	Schultz 1951	06/15/48	L III 240
Glaucous-winged Gull	30B	Schultz	?/?48	L ? 245
Glaucous-winged Gull	2	Goodge	08/12/48	S - 116
Glaucous-winged Gull	2	McMannama	08/12/48	S - 193
Glaucous-winged Gull	240B	Schultz	?/?49	L ? 245
Glaucous-winged Gull	100's	Hudson	07/08/49	L III 148
Glaucous-winged Gull	10+	Richardson	08/11/56	? ? 229
Glaucous-winged Gull	X	Dickerman 1960	07/12/59	L ? 88
Glaucous-winged Gull	600	Nisqually NWR	06/06/62	L III 202
Glaucous-winged Gull	400	Eddy	08/11/62	B III 95
Glaucous-winged Gull	400	Nisqually NWR	06/20/63	L III 202
Glaucous-winged Gull	300	Hauser & Monson 1963	07/16-17/63	B ? 145
Glaucous-winged Gull	X	Wahl	08/11/66	? ? 269
Glaucous-winged Gull	300	Nisqually NWR	05/05/67	B ? 202

Section from U.S.G.S.  
1:24,000 scale map:

Waldron Island

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013

\* 50  
Bare Island

Glaucous-winged Gull	800	Nisqually NWR	08/21-23/67	L III 202
Glaucous-winged Gull	800	Nisqually NWR	07/13-16/68	L III 202
Glaucous-winged Gull	240	Manuwal 1977	?/ ?/73-75	L II 187
Glaucous-winged Gull	220	Manuwal 1973; Manuwal	05/27/73	L II 186;188
Glaucous-winged Gull	314	Eddy	06/10/74	L II 95
Glaucous-winged Gull	250±	Wahl	07/19/82	A III 269
Pigeon Guillemot	X	Hudson	07/08/49	L III 148
Pigeon Guillemot	10	Nisqually NWR	06/06/62	L III 202
Pigeon Guillemot	6	Eddy	08/11/62	B III 95
Pigeon Guillemot	4	Nisqually NWR	06/20/63	L III 202
Pigeon Guillemot	2	Hauser & Monson 1963	07/16-17/63	B ? 145
Pigeon Guillemot	10	Nisqually NWR	08/21-23/67	L III 202
Pigeon Guillemot	P	Manuwal 1977	?/ ?/73-75	L III 187
Pigeon Guillemot	40	Manuwal 1973	05/27/73	L II 186
Pigeon Guillemot	X	Eddy	06/10/74	L III 95
Tufted Puffin	2	Edson	06/27/03	E - 100
Tufted Puffin	40	Edson 1929	06/27/05	L I 98
Tufted Puffin	X	Miller et al. 1935	?/ ?/33-35	L ? 199
Tufted Puffin	100	Jewett 1937	05/26/37	L III 156
Tufted Puffin	16	Hudson	07/08/49	L III 148
Tufted Puffin	P	Eddy	05/31/57	B III 95
Tufted Puffin	X	Bakus 1965	07/12-17/59	L III 18
Tufted Puffin	<40	Dickerman 1960	07/12/59	L ? 88
Tufted Puffin	20	Nisqually NWR	06/06/62	L III 202
Tufted Puffin	14	Eddy	08/11/62	B III 95
Tufted Puffin	2	Nisqually NWR	06/20/63	L III 202
Tufted Puffin	1	Hauser & Monson 1963	07/16-17/63	B ? 145
Tufted Puffin	4	Manuwal 1977	?/ ?/73-75	L II 187
Tufted Puffin	18	Manuwal 1973; Manuwal	05/27/73	L II 186;188
Tufted Puffin	3	Eddy	06/10/74	L III 95
Tufted Puffin	P	Games	07/ ?/76	? ? 112

## AREA 156, Victoria (cont'd.)

(014)

Waldron Island<sup>1</sup> 48°42'05"N, 123°01'48"W

Pigeon Guillemot	23	Wahl; Paulson	06/07/79	A III 269;207
No Nesting Observed	0	Eddy 1975	06/14/75	B III 94
Double-crested Cormorant	12-16	Schultz	?/ ?/47	B III 243
Double-crested Cormorant	12-16	Schultz	?/ ?/48	B III 243
Double-crested Cormorant	12-16	Schultz	?/ ?/49	B III 243
Double-crested Cormorant	X	Hudson	07/08/49	? III 148
Double-crested Cormorant	>32	Eddy & Richardson; Eddy	05/31/57 08/11/62	? ? 97;95 B III 95
Double-crested Cormorant	10P	Eddy	?/ ?/33	? ? 184
Pelagic Cormorant	X	Lumley 1934	07/04/34	L ? 184
Pelagic Cormorant	38	Lumley 1934	07/08/49	? III 148
Pelagic Cormorant	X	Hudson	05/31/57	B III 95
Pelagic Cormorant	100+	Eddy	06/24/05	L ? 98
Pelagic Cormorant	2?	Eddy	06/20/05	L ? 98
Black Oystercatcher	X	Edson 1929	?/ ?/33	? ? 184
Glaucous-winged Gull	X	Edson 1929	07/04/34	L ? 184
Glaucous-winged Gull	X	Lumley 1934	07/08/49	? III 148
Glaucous-winged Gull	X	Lumley 1934	05/31/57	B III 95
Glaucous-winged Gull	100's	Hudson	07/08/49	? III 148
Glaucous-winged Gull	X	Eddy	07/08/49	? III 148
Pigeon Guillemot	X	Hudson	08/11/62	B III 95
Pigeon Guillemot	8	Eddy	06/05/78	B III 257
Pigeon Guillemot	4	Manuwal 1977	?/ ?/73-75	L II 187
Pigeon Guillemot	4	Speich & Wahl	07/06/78	A III 269;207
Pigeon Guillemot	16	Wahl; Paulson	06/20/1895	S - 101
Tufted Puffin	1	Edson	07/08/49	S - 149
Tufted Puffin	2	Hudson		

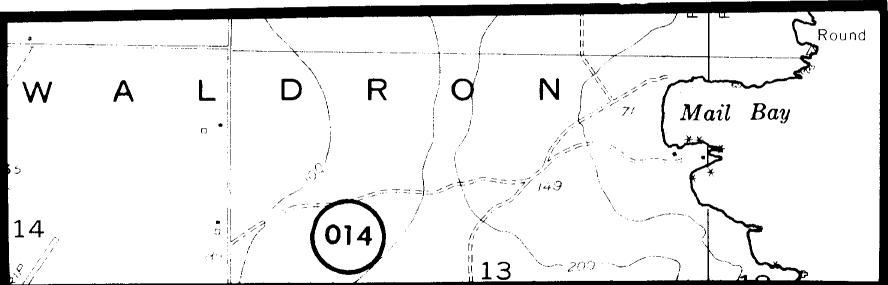
<sup>1</sup>Most records refer to Point Disney.

Section from U.S.G.S.  
1:24,000 scale map:

Waldron Island

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Bare Island (156013) USF&WS

## AREA 156, Victoria (cont'd.)

(015)

Johns Island 48°40'00"N, 123°09'00"W

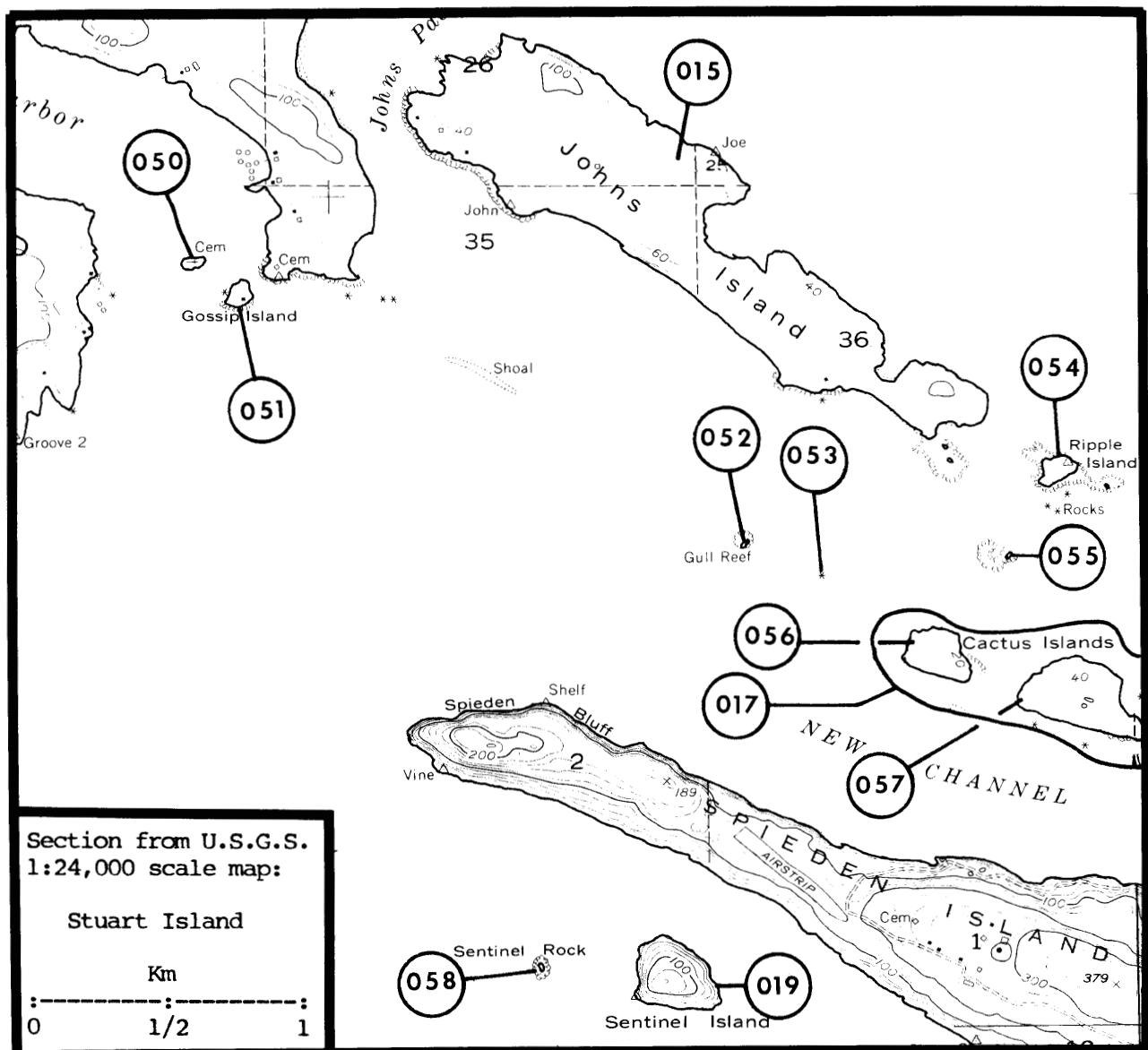
Black Oystercatcher	1	Frazer 1973	07/16/73	B III 108
Black Oystercatcher	2	Eddy 1975; Nysewander	06/14/75	B III 94;205

(016)

White Rock 48°40'04"N, 123°04'14"W

Double-crested Cormorant	X	Richardson	?/ ?/78	?	?	228
Glaucous-winged Gull	311	Wahl	06/14/79	B	III	269
Pigeon Guillemot	10	Wahl	06/14/79	B	III	269
Total	321					

Double-crested Cormorant	150P	Jewett 1937	05/26/37	L	?	156
Double-crested Cormorant	10	Nisqually NWR	06/20/63	B	?	202
Double-crested Cormorant	4P	Hauser & Monson 1963	07/16-17/63	B	?	145
Double-crested Cormorant	100	Nisqually NWR	08/21-23/67	B	?	202
Double-crested Cormorant	X	Richardson	?/ ?/76	?	?	228
Pelagic Cormorant	X	Eddy	05/31/57	B	III	95
Pelagic Cormorant	112	Eddy	08/11/62	B	II	95
Pelagic Cormorant	15	Nisqually NWR	06/20/63	B	?	202
Pelagic Cormorant	24P	Hauser & Monson 1963	07/16-17/63	B	?	145
Pelagic Cormorant	40	Nisqually NWR	07/13-16/68	L	III	202
Black Oystercatcher	2	Eddy	05/31/57	B	III	95
Black Oystercatcher	6	Nisqually NWR	06/20/63	B	?	202
Black Oystercatcher	2	Hauser & Monson 1963	07/16-17/63	B	?	145
Black Oystercatcher	10	Nisqually NWR	08/21-23/67	B	III	202
Black Oystercatcher	P	Manuwal 1977	?/ ?/73-75	L	III	187
Glaucous-winged Gull	>2	Graves et al.	06/20/19	E	III	118
Glaucous-winged Gull	X	Jewett 1937	05/26/37	L	III	156
Glaucous-winged Gull	275B	Schultz	?/ ?/47	L	III	245
Glaucous-winged Gull	130B	Schultz	?/ ?/48	L	III	245
Glaucous-winged Gull	100's	Hudson	07/08/49	?	III	148
Glaucous-winged Gull	200	Eddy	05/31/57	B	III	95
Glaucous-winged Gull	550P	Hauser & Monson 1963	07/16-17/63	B	?	145
Glaucous-winged Gull	1200P	Nisqually NWR	08/21-23/67	B	?	202
Glaucous-winged Gull	1000	Nisqually NWR	07/13-16/68	L	III	202
Glaucous-winged Gull	X	Nisqually NWR	07/27/70	B	III	202
Glaucous-winged Gull	250	Manuwal 1977	?/ ?/73-75	L	III	187
Glaucous-winged Gull	388	Eddy	06/09/74	L	II	95
Glaucous-winged Gull	250+	Wahl	07/19/82	A	III	269
Glaucous-winged Gull	130	Pitman	06/22/78	B	III	217
Pigeon Guillemot	X	Hudson	07/08/49	?	III	148
Pigeon Guillemot	10+	Eddy	05/31/57	B	III	95
Pigeon Guillemot	8	Nisqually NWR	06/20/63	B	?	202
Pigeon Guillemot	10	Nisqually NWR	07/13-16/68	L	III	202
Pigeon Guillemot	26	Manuwal 1977	?/ ?/73-75	L	II	187
Pigeon Guillemot	26	Eddy	06/09/74	L	III	95
Pigeon Guillemot	50	Pitman	06/22/78	B	III	217
Pigeon Guillemot	15	Wahl; Paulson	06/07/79	A	III	269;207

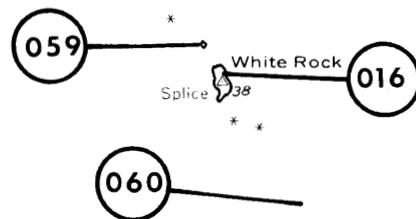


Section from U.S.G.S.  
1:24,000 scale map:

**Waldron Island**

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AREA 156, Victoria (cont'd.)

(017)

Cactus Islands<sup>1</sup> 48°39'00"N, 123°07'50"W

Black Oystercatcher

0 Nysewander

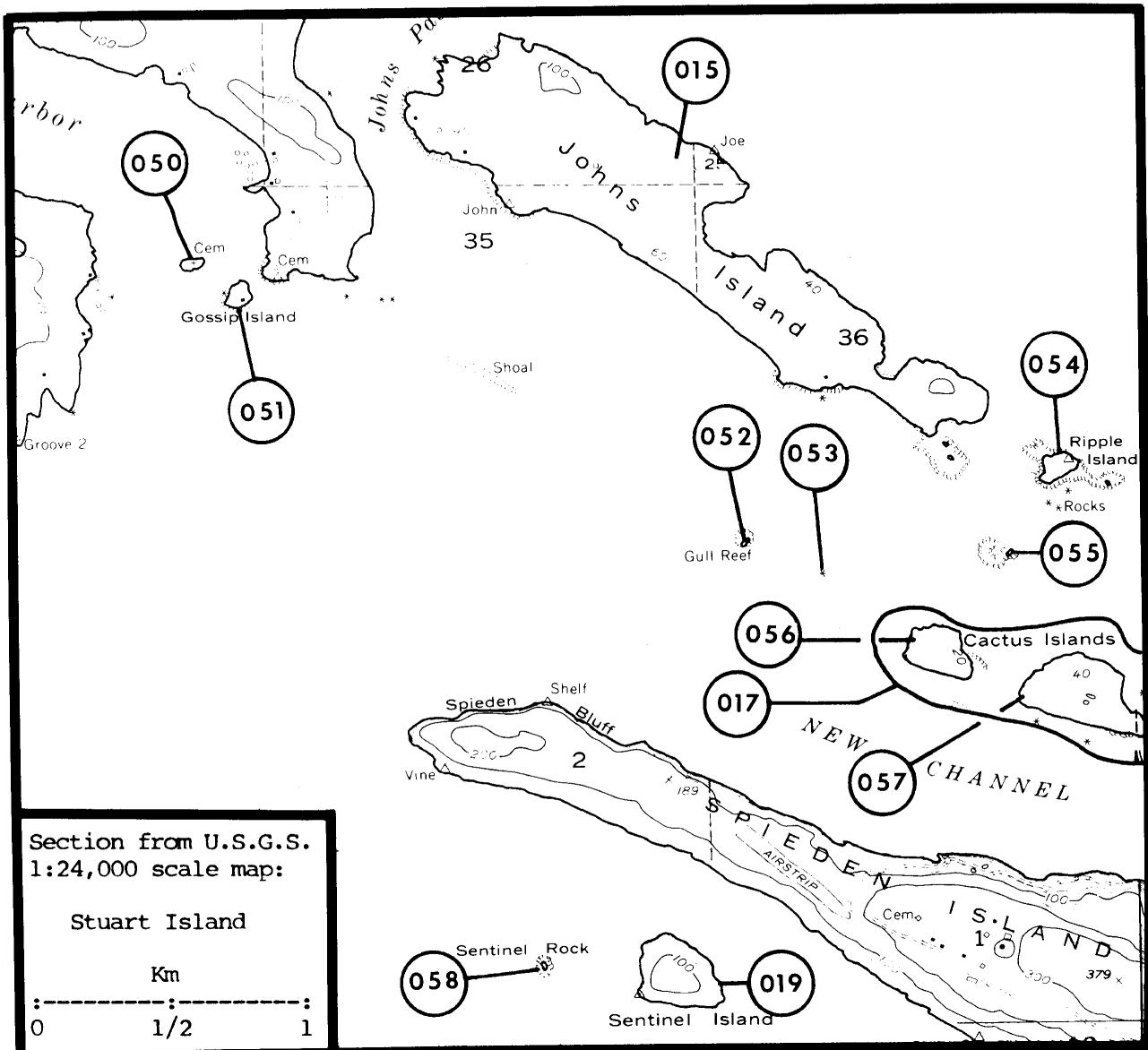
06/14/75

L III 205

<sup>1</sup>The Cactus Islands were previously assigned this catalog number. The individual islands are here recognized, and data are assigned to them, (Cactus Island, west) 156056 and (Cactus Island, east) 156057, as appropriate.



White Rock (156016) 19 July 1982 T.R. Wahl



## AREA 156, Victoria (cont'd.)

(018)

Gull Rock 48°39'04"N, 123°05'18"W

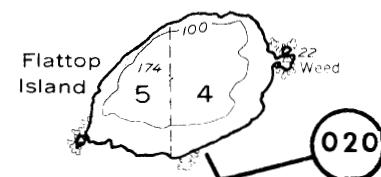
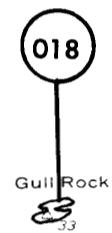
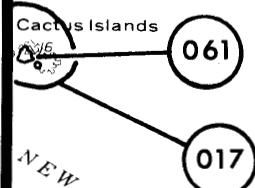
Double-crested Cormorant	X	Richardson	? / ?/78	?	?	228
Pelagic Cormorant	15?	Wahl	07/19/82	A	III	269
Glaucous-winged Gull	170	Wahl	06/14/79	B	III	269
Pigeon Guillemot	1	Wahl	06/14/79	B	III	269
Total	186					

Double-crested Cormorant	X	Richardson	? / ?/76	?	?	228
Pelagic Cormorant	4P	Nisqually NWR	06/20/63	B	?	202
Pelagic Cormorant	27P	Hauser & Monson 1963	07/16-17/63	B	?	145
Pelagic Cormorant	75	Nisqually NWR	07/13-16/68	L	III	202
Black Oystercatcher	2P	Eddy	05/31/57	L	III	95
Black Oystercatcher	2	Bakus 1965	07/05/59	L	II	240
Black Oystercatcher	2P	Nisqually NWR	06/20/63	B	?	202
Black Oystercatcher	X	Manuwal 1977	? / ?/73-75	L	I	187
Black Oystercatcher	2	Manuwal	06/23/76	L	I	188
Glaucous-winged Gull	2	Warburton	06/25/27	E	-	275
Glaucous-winged Gull	15	Edson 1929	06/26/05	L	II	98
Glaucous-winged Gull	X	Finley	07/29/24	L	III	104
Glaucous-winged Gull	>4	Warburton	06/25/27	E	-	273
Glaucous-winged Gull	90+	Rathbun	06/11/28	L	III	223
Glaucous-winged Gull	200B	Schultz	? / ?/47	L	III	245
Glaucous-winged Gull	3	Goodge	07/14/48	S	-	116
Glaucous-winged Gull	X	Schultz 1951	? / ?/48	L	III	240
Glaucous-winged Gull	300B	Schultz	? / ?/48	L	III	245
Glaucous-winged Gull	330B	Schultz	? / ?/49	L	III	245
Glaucous-winged Gull	2	Hudson	07/08/49	S	-	149
Glaucous-winged Gull	X	Hudson	07/08/49	L	III	148
Glaucous-winged Gull	418	Eddy	05/31/57	L	II	95
Glaucous-winged Gull	X	Bakus 1965	07/05/59	L	III	240
Glaucous-winged Gull	150B	Schultz	? / ?/60	L	III	245
Glaucous-winged Gull	400+	Eddy	08/11/62	B	III	95
Glaucous-winged Gull	500P	Nisqually NWR	06/20/63	B	?	202
Glaucous-winged Gull	500P	Hauser & Monson 1963	07/16-17/63	B	?	145
Glaucous-winged Gull	300	Nisqually NWR	07/13-16/68	L	III	202
Glaucous-winged Gull	X	Nisqually NWR	07/27/70	L	III	202
Glaucous-winged Gull	250	Manuwal 1977	? / ?/73-75	L	II	187
Glaucous-winged Gull	392	Manuwal 1973; Manuwal	05/27/73	L	II	186;188
Glaucous-winged Gull	376	Eddy	06/08/74	L	II	95
Glaucous-winged Gull	X	Manuwal	06/23/76	L	III	188
Glaucous-winged Gull	200	Pitman	06/22/78	B	III	217
Glaucous-winged Gull	30	Wahl	07/19/82	A	III	269
Pigeon Guillemot	0	Edson 1924	06/26/05	L	III	98
Pigeon Guillemot	2	Warburton	06/25/27	E	-	273
Pigeon Guillemot	X	Hudson	07/08/49	L	III	148
Pigeon Guillemot	12+	Eddy	05/31/57	L	III	95
Pigeon Guillemot	X	Bakus 1965	07/05/59	L	III	240
Pigeon Guillemot	10	Eddy	08/11/62	B	III	95
Pigeon Guillemot	14	Manuwal 1977	? / ?/73-75	L	III	187
Pigeon Guillemot	2P	Manuwal 1973; Manuwal	05/27/73	L	III	186;188
Pigeon Guillemot	15	Eddy	06/08/74	L	III	95
Tufted Puffin	1?	Hudson	07/08/49	L	III	148

Section from U.S.G.S.  
1:24,000 scale map:

Waldron Island

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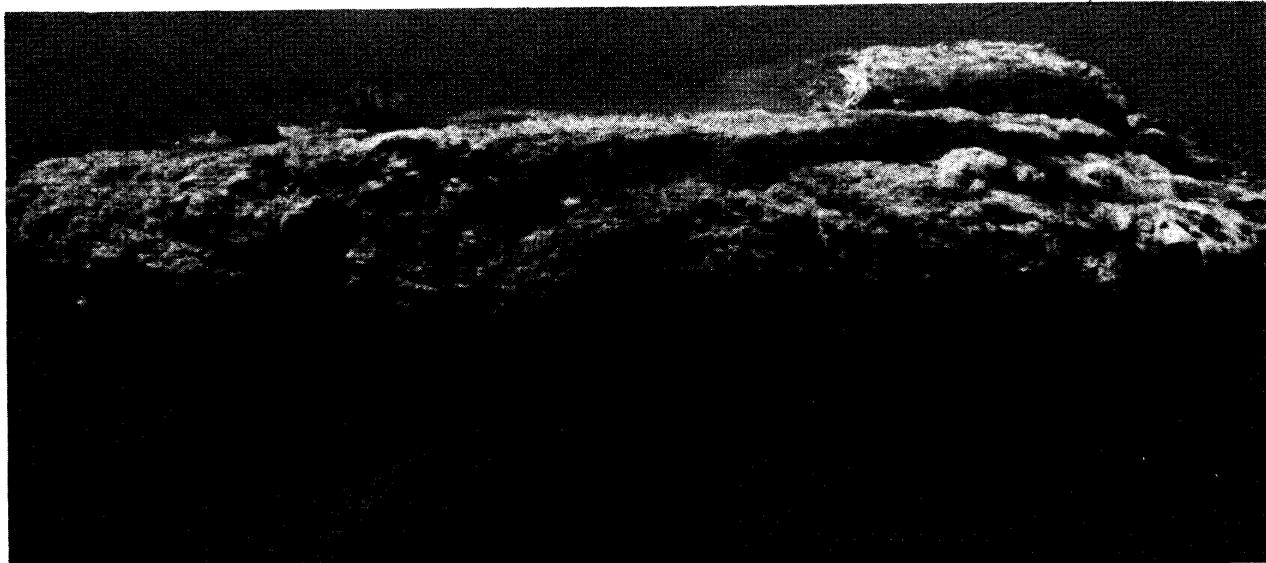
Gull Rock (156018) 19 July 1982 T.R. Wahl

AREA 156, Victoria (cont'd.)

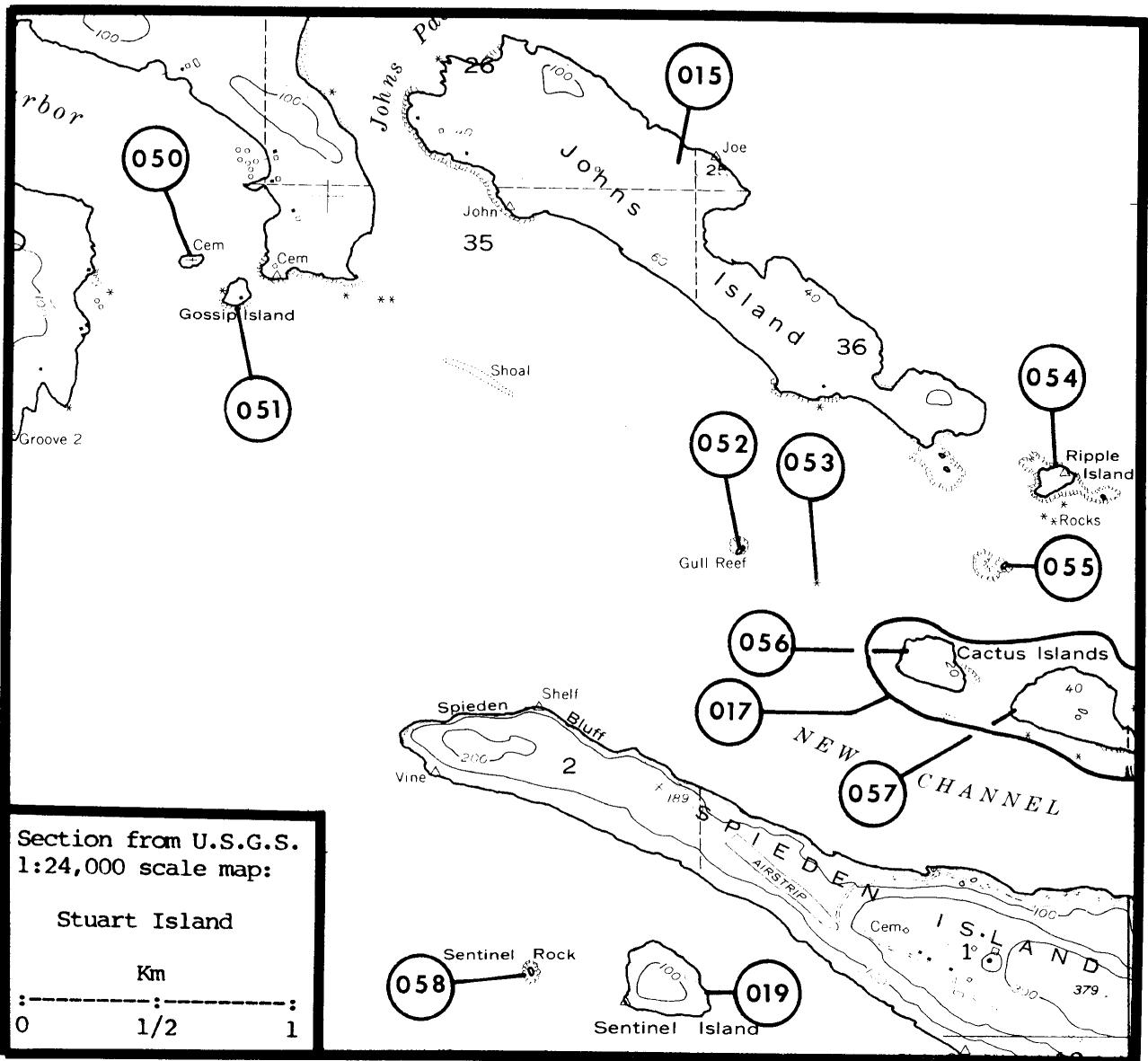
(019)

Sentinel Island    48°38'24"N, 123°08'57"W

Pigeon Guillemot	13	Wahl	06/14/79	B III	269
No Nesting Observed	0	Eddy	05/31-06/02/57	B III	95
Black Oystercatcher	2	Eddy 1975	06/14/75	L II	94
Black Oystercatcher	3	Nysewander	06/14/75	L II	205
Pigeon Guillemot	20	Frazer 1973	07/16/73	B III	108
Pigeon Guillemot	40	Pitman	06/22/78	B III	217



Flower Island (156022) 19 July 1982 T.R. Wahl



## AREA 156, Victoria (cont'd.)

(020)

Flattop Island 48°38'51"N, 123°04'52"W

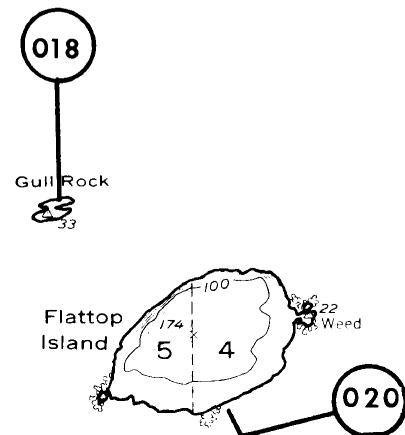
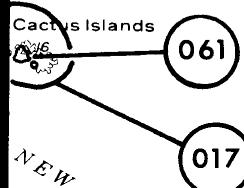
Black Oystercatcher	2	Washington Dep. Game	? /?/79	? ?	203
Pigeon Guillemot	40	Pitman	06/22/78	B III	217
Total	42				

Double-crested Cormorant	N	Hudson	07/08/49	? III	148
Double-crested Cormorant	56	Nisqually NWR	07/27/70	L II	202
Brandt's Cormorant	X	Rathbun	06/12/28	B III	223
Pelagic Cormorant	32-36	Edson 1929	06/20&24/05	L II	98
Pelagic Cormorant	X	Lumley 1934	? / ?/33	? ?	184
Pelagic Cormorant	X	Lumley 1934	? / ?/34	? ?	184
Pelagic Cormorant	X	Hudson	07/08/49	? III	148
Pelagic Cormorant	2	Eddy	05/31/57	B I	95
Pelagic Cormorant	82	Nisqually NWR	07/27/70	L II	202
Black Oystercatcher	2	Eddy	05/31/57	B III	95
Black Oystercatcher	P	Nisqually NWR	07/27/70	L III	202
Black Oystercatcher	2	Nysewander 1977; Eddy	06/09/74	L I	204;205
Black Oystercatcher	2	Pitman	06/22/78	B I	217
Glaucous-winged Gull	4	Dennison	06/12/1898	E -	86
Glaucous-winged Gull	2	MacKay	06/22/04	S -	185
Glaucous-winged Gull	X	Edson 1929	06/20/05	L III	98
Glaucous-winged Gull	30-40	Edson 1929	06/24/05	L III	98
Glaucous-winged Gull	2	Decker	06/18/19	E -	81
Glaucous-winged Gull	2	Decker	06/18/19	E -	82
Glaucous-winged Gull	80+	Decker	06/18/19	L III	80
Glaucous-winged Gull	X	Rathbun	06/11-12/28	L III	223
Glaucous-winged Gull	X	Lumley 1934	? / ?/33	? ?	184
Glaucous-winged Gull	X	Lumley 1934	? / ?/34	? ?	184
Glaucous-winged Gull	95B	Schultz	? / ?/47	L III	245
Glaucous-winged Gull	30B	Schultz	? / ?/48	L III	245
Glaucous-winged Gull	30B	Schultz	? / ?/49	L III	245
Glaucous-winged Gull	100's	Hudson	07/08/49	? III	148
Glaucous-winged Gull	200+	Eddy	05/31/57	B III	95
Glaucous-winged Gull	X	Bakus 1965	07/03-12/59	? ?	240
Glaucous-winged Gull	350	Nisqually NWR	07/27/70	L III	202
Glaucous-winged Gull	15P	Frazer	07/16/73	B III	108
Glaucous-winged Gull	18	Eddy	06/09/74	L III	95
Pigeon Guillemot	3	MacKay	06/22/04	S -	185
Pigeon Guillemot	P	Edson 1929	06/20/05	L III	98
Pigeon Guillemot	2	Edson 1929	06/24/05	L II	98
Pigeon Guillemot	>2	Kitchin	06/14/34	E -	169
Pigeon Guillemot	X	Hudson	07/08/49	? III	148
Pigeon Guillemot	20	Eddy	05/31/57	B III	95
Pigeon Guillemot	>38	Nisqually NWR	07/27/70	L III	202
Pigeon Guillemot	P	Manuwal 1977	? / ?/73-75	L III	187
Pigeon Guillemot	4+	Eddy	06/09/74	L III	95
Tufted Puffin	1	MacKay	06/22/04	S -	185
Tufted Puffin	4-6	Edson 1929	06/20/05	L II	98
Tufted Puffin	2	Edson 1929	06/24/05	L II	98
Tufted Puffin	1	Hudson	07/08/49	S -	149

Section from U.S.G.S.  
1:24,000 scale map:

Waldron Island

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Pointer Island (156023) 19 July 1982 T.R. Wahl

## AREA 156, Victoria (cont'd.)

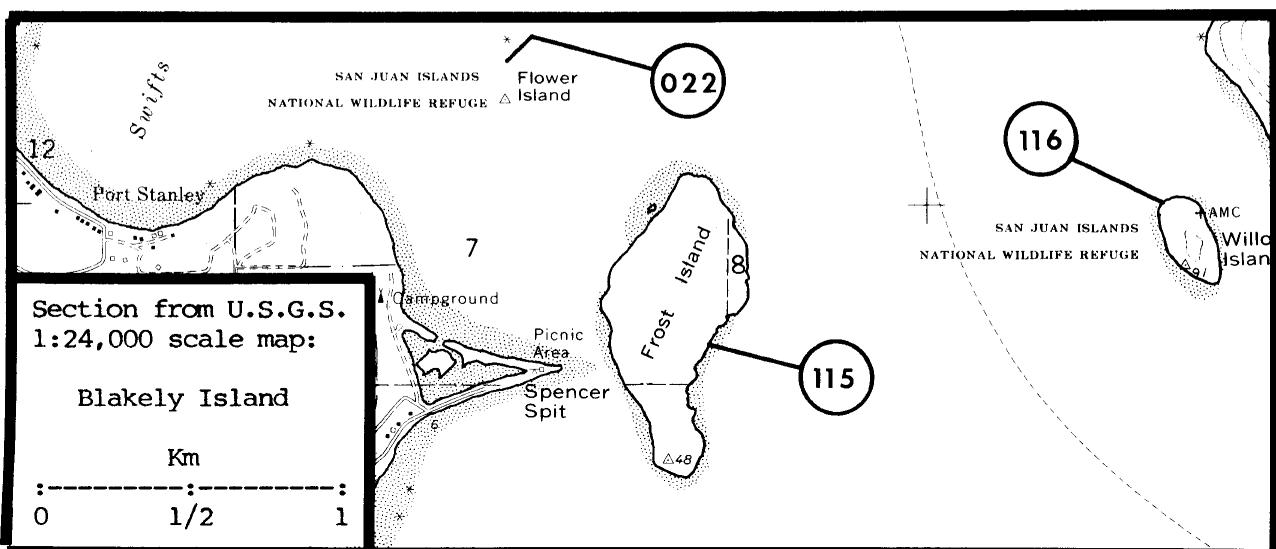
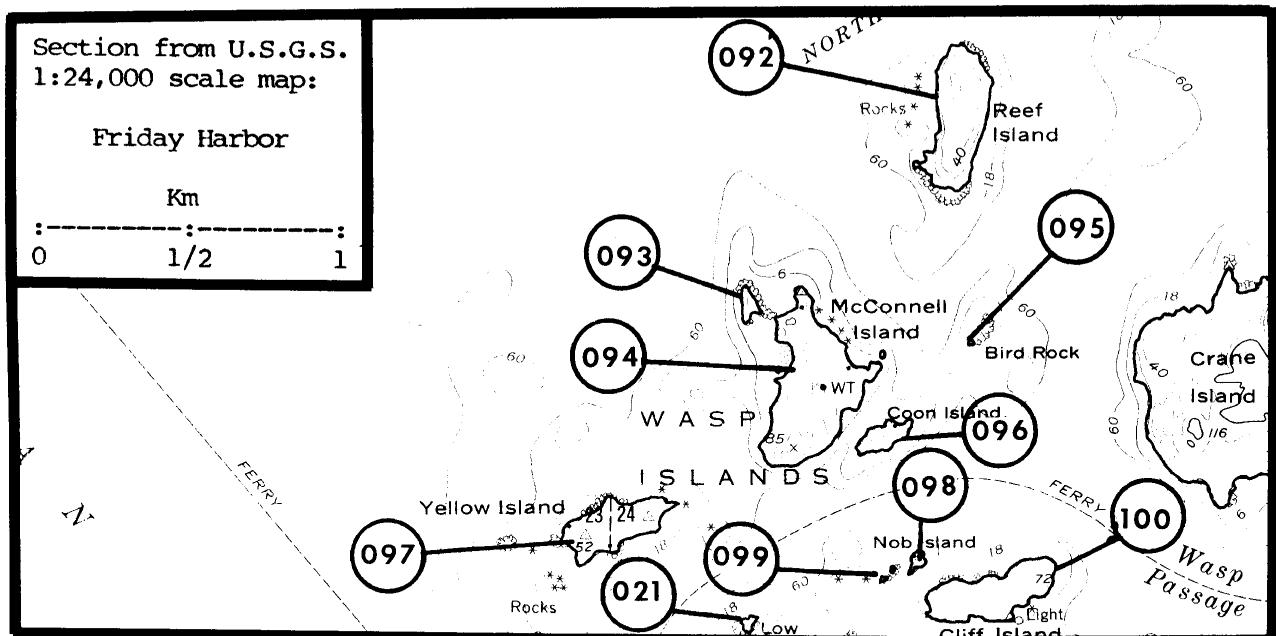
(021) Low Island 48°35'22"N, 123°01'27"W

Pigeon Guillemot	4P	Pitman	06/24/78	B III 217
No Nesting Observed	0	Eddy 1975	06/14/75	B III 94
Black Oystercatcher	2	Manuwal 1977	?/ ?/73-75	L I 187
Black Oystercatcher	2P	Manuwal 1973	05/26/73	L III 186
Black Oystercatcher	2	Nysewander	06/ ?/73	L I 205
Glaucous-winged Gull	X	Schultz 1952	?/?/51?	L III 241
Glaucous-winged Gull	1	Schultz	06/30/53	S - 246
Glaucous-winged Gull	X	Bakus 1965	07/03-12/59	? ? 240
Glaucous-winged Gull	20B	Schultz	?/ ?/60	L III 245
Glaucous-winged Gull	125	Hauser & Monson 1963	07/16-17/63	B III 145
Glaucous-winged Gull	150	Manuwal 1977	?/ ?/73-75	L II 187
Glaucous-winged Gull	136	Manuwal 1973; Manuwal	05/26/73	L I 186;188
Glaucous-winged Gull	54+	Manuwal	06/23/76	L III 188
Pigeon Guillemot	34	Manuwal 1977	?/ ?/73-75	L III 187
Pigeon Guillemot	35	Manuwal 1973; Manuwal	05/26/73	L III 186;188
Pigeon Guillemot	13	Manuwal	06/23/76	L III 188

(022) Flower Island 48°32'43"N, 122°51'12"W

Glaucous-winged Gull	66	Pitman	06/21/78	B III 217
Pigeon Guillemot	20	Pitman	06/21/78	B III 217
Total	86			

Pelagic Cormorant	8	Thoresen & Galusha 1971	06/07/63	L I 264
Pelagic Cormorant	4	Thoresen & Galusha 1971	06-07/ ?/70	L I 264
Pelagic Cormorant	34	Manuwal 1977	?/ ?/73-75	L I 187
Pelagic Cormorant	35	Frazer 1973	07/17/73	L I 108
Pelagic Cormorant	12	Eddy	06/07/74	L I 95
Black Oystercatcher	2	Eddy	06/07/74	L I 95
Black Oystercatcher	2	Nysewander 1977; Nysewander	06/ ?/75	L I 204;205
Black Oystercatcher	2	Eddy 1975	06/15/75	L I 94
Glaucous-winged Gull	175B	Schultz	?/ ?/48	L III 245
Glaucous-winged Gull	170B	Schultz	?/ ?/49	L III 245
Glaucous-winged Gull	X	Schultz 1951	06/21/50	L III 240
Glaucous-winged Gull	1	Schultz	05/21/51	S - 246
Glaucous-winged Gull	4	Schultz	06/05/54	S - 246
Glaucous-winged Gull	1	Schultz	08/07/54	S - 246
Glaucous-winged Gull	110B	Schultz	?/ ?/55	L III 245
Glaucous-winged Gull	20B	Schultz	?/ ?/57	L III 245
Glaucous-winged Gull	350	Thoresen & Galusha 1971	06-07/ ?/63	L III 264
Glaucous-winged Gull	270	Thoresen & Galusha 1971	06-07/ ?/70	L III 264
Glaucous-winged Gull	180	Manuwal 1977	?/ ?/73-75	L III 187
Glaucous-winged Gull	180	Frazer 1973	07/17/73	L III 108



Glaucous-winged Gull	180	Eddy	06/07/74	L III	95
Glaucous-winged Gull	160	Eddy 1975	06/15/75	L II	94
Glaucous-winged Gull	<200	Wahl	07/19/82	A III	269
Pigeon Guillemot	12	Thoresen & Galusha 1971	06-07/ ?/63	L III	264
Pigeon Guillemot	16	Thoresen & Galusha 1971	06-07/ ?/70	L III	264
Pigeon Guillemot	8	Frazer 1973	07/17/73	L III	108
Pigeon Guillemot	41	Eddy 1975	06/15/75	L III	94

## AREA 156, Victoria (cont'd.)

(023)

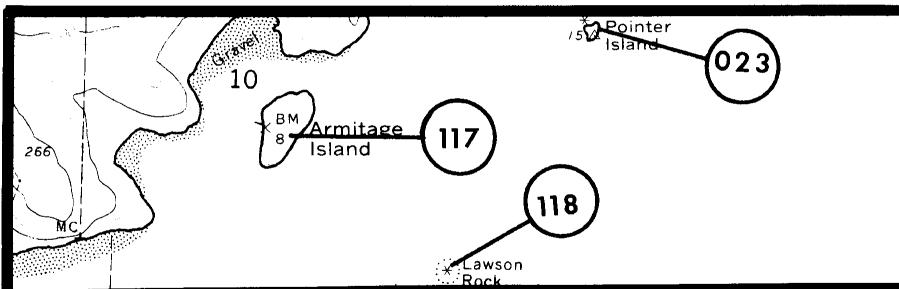
Pointer Island 48°32'20"N, 122°46'50"W

Black Oystercatcher	2	Pitman	06/21/78	B III 217
Glaucous-winged Gull	80	Wahl	06/15/79	B II 269
Pigeon Guillemot	8	Wahl	05/15/79	B II 269
Total	90			

Black Oystercatcher	2	Thoresen & Galusha 1971	06-07/ ?/63	L I 264
Black Oystercatcher	2	Nisqually NWR	06/20/63	B II 202
Black Oystercatcher	2	Thoresen & Galusha 1971	06-07/ ?/70	L I 264
Black Oystercatcher	2-4	Nysewander	06/ ?/75	L III 205
Glaucous-winged Gull	136	Thoresen & Galusha 1971	06-07/ ?/63	L II 264
Glaucous-winged Gull	100	Nisqually NWR	06/20/63	B II 202
Glaucous-winged Gull	64	Thoresen & Galusha 1971	06-07/ ?/70	L II 264
Glaucous-winged Gull	116	Eddy 1975	06/15/75	L II 94
Glaucous-winged Gull	40	Pitman	06/21/78	B II 217
Glaucous-winged Gull	<100	Wahl	07/19/82	A III 269
Pigeon Guillemot	4	Thoresen & Galusha 1971	06-07/ ?/63	L III 264
Pigeon Guillemot	4	Nisqually NWR	06/20/63	B III 202
Pigeon Guillemot	4	Thoresen & Galusha 1971	06-07/ ?/70	L III 264
Pigeon Guillemot	5	Eddy 1975	06/15/75	L III 94
Pigeon Guillemot	7	Pitman	06/21/78	B III 217



Bird Rocks (156024) 19 July 1982 T.R. Wahl



Section from U.S.G.S.  
1:24,000 scale map:

Blakely Island

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Bird Rocks (156024) USF&WS

## AREA 156, Victoria (cont'd.)

024

Bird Rocks 48°29'08"N, 122°45'43"W

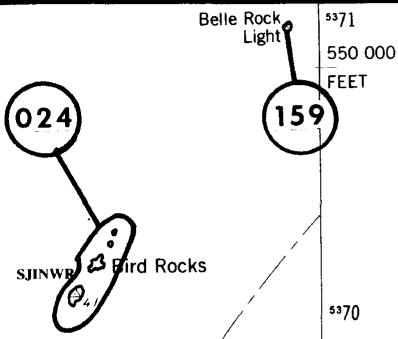
Double-crested Cormorant	190	Wahl	06/15/79	B	II	269
Pelagic Cormorant	30	Wahl	06/15/79	B	II	269
Black Oystercatcher	2	Wahl	06/15/79	B	III	269
Glaucous-winged Gull	500	Wahl	06/15/79	B	III	269
Pigeon Guillemot	15	Wahl	06/15/79	B	III	269
Total	737					

Double-crested Cormorant	75	Jewett 1937	05/25/37	B	II	156
Double-crested Cormorant	0	Thoresen & Galusha 1971	06-07/ ?/63	L	III	264
Double-crested Cormorant	10	Nisqually NWR	08/21-23/67	B	?	202
Double-crested Cormorant	16	Thoresen & Galusha 1971	06-07/ ?/70	L	I	264
Double-crested Cormorant	60	Frazer 1973	07/17/73	B	II	108
Double-crested Cormorant	120-200	Eddy 1975	06/15/75	B	III	94
Double-crested Cormorant	X	Manuwal	06/26/76	L	III	188
Double-crested Cormorant	182	Pitman	06/21/78	B	III	217
Double-crested Cormorant	150	Nisqually NWR	?/ ?/80	L	II	202
Double-crested Cormorant	212	Wahl	07/19/82	A	II	269
Pelagic Cormorant	8-10	Eddy	06/02/57	B	III	95
Pelagic Cormorant	38	Eddy 1975	06/15/75	B	I	94
Pelagic Cormorant	60	Pitman	06/21/78	B	I	217
Black Oystercatcher	2	Edson 1929	06/15-16/05	L	II	98
Black Oystercatcher	X	Brown	?/ ?/18	?	?	42
Black Oystercatcher	1	Brown	06/20/19	S	-	43
Black Oystercatcher	1	Eddy	06/02/57	B	III	95
Black Oystercatcher	2	Thoreson & Galusha 1971	06-07/ ?/63	L	I	264
Black Oystercatcher	P	Nisqually NWR	08/21-23/67	B	?	202
Black Oystercatcher	0	Thoresen & Galusha 1971	06-07/ ?/70	L	III	264
Black Oystercatcher	1	Eddy 1975	06/15/75	B	III	94
Black Oystercatcher	2	Nysewander	06/ ?/75	B	III	205
Black Oystercatcher	2	Manuwal	06/26/76	L	I	188
Black Oystercatcher	2	Pitman	06/21/78	B	III	217
Glaucous-winged Gull	19	Edson 1929	06/15-16/05	L	I	98
Glaucous-winged Gull	2	Decker	06/20/19	E	-	82
Glaucous-winged Gull	4	Graves et al.	06/20/19	E	-	118
Glaucous-winged Gull	2	Warburton	06/20/19	E	-	274
Glaucous-winged Gull	2	Warburton	06/20/19	E	-	273
Glaucous-winged Gull	2	Brown et al.	06/20/19	E	-	48
Glaucous-winged Gull	2	Brown et al.	06/20/19	E	-	46
Glaucous-winged Gull	2	Brown et al.	06/20/19	E	-	47
Glaucous-winged Gull	2	Booth	06/10/28	E	-	33
Glaucous-winged Gull	400-500	Jewett 1937	05/25/37	B	III	156
Glaucous-winged Gull	300+	Eddy	06/02/57	B	III	95
Glaucous-winged Gull	600	Nisqually NWR	06/05-06/62	L	III	202
Glaucous-winged Gull	788	Thoresen & Galusha 1971	06-07/ ?/63	L	II	264
Glaucous-winged Gull	800	Nisqually NWR	06/20/63	B	III	202
Glaucous-winged Gull	500	Hauser & Monson 1963	07/16-17/63	B	III	145
Glaucous-winged Gull	X	Nisqually NWR	08/21-23/67	B	III	202
Glaucous-winged Gull	X	Nisqually NWR	07/13-16/68	L	III	202

Section from U.S.G.S.  
1:24,000 scale map:

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Glaucous-winged Gull	1150	Thoresen & Galusha 1971	06-07/ ?/70	L III	264
Glaucous-winged Gull	640	Frazer 1973	07/17/73	B III	108
Glaucous-winged Gull	288	Manuwal	06/26/76	L II	188
Glaucous-winged Gull	490	Pitman	06/21/78	B III	217
Glaucous-winged Gull	X	Wahl	03/14/79	B III	269
Glaucous-winged Gull	X	Nisqually NWR	?/ ?/80	L III	202
Glaucous-winged Gull	X	Wahl	07/19/82	A III	269
Pigeon Guillemot	4	Edson 1929	06/15-16/05	L III	98
Pigeon Guillemot	1	Eddy	06/02/57	B III	95
Pigeon Guillemot	4	Galusha 1970	?/ ?/63	L III	110
Pigeon Guillemot	6	Hauser & Monson 1963	07/16-17/63	B III	145
Pigeon Guillemot	P	Nisqually NWR	07/13-16/68	L III	202
Pigeon Guillemot	4	Galusha 1970	?/ ?/70	L III	110
Pigeon Guillemot	5P	Frazer 1973	07/17/73	B III	108
Pigeon Guillemot	10	Manuwal	06/26/76	L III	188
Pigeon Guillemot	1	Pitman	06/21/78	B III	217
Pigeon Guillemot	P	Wahl	03/14/79	B III	269
Tufted Puffin	6	Edson 1929	06/15-16/05	L I	98
Tufted Puffin	2	Jewett 1937	05/25/37	B II	156
Tufted Puffin	1	Bushnell	08/16/42	E -	50

## AREA 156, Victoria (cont'd.)

(025)

Williamson Rocks 48°27'03"N, 122°42'17"W

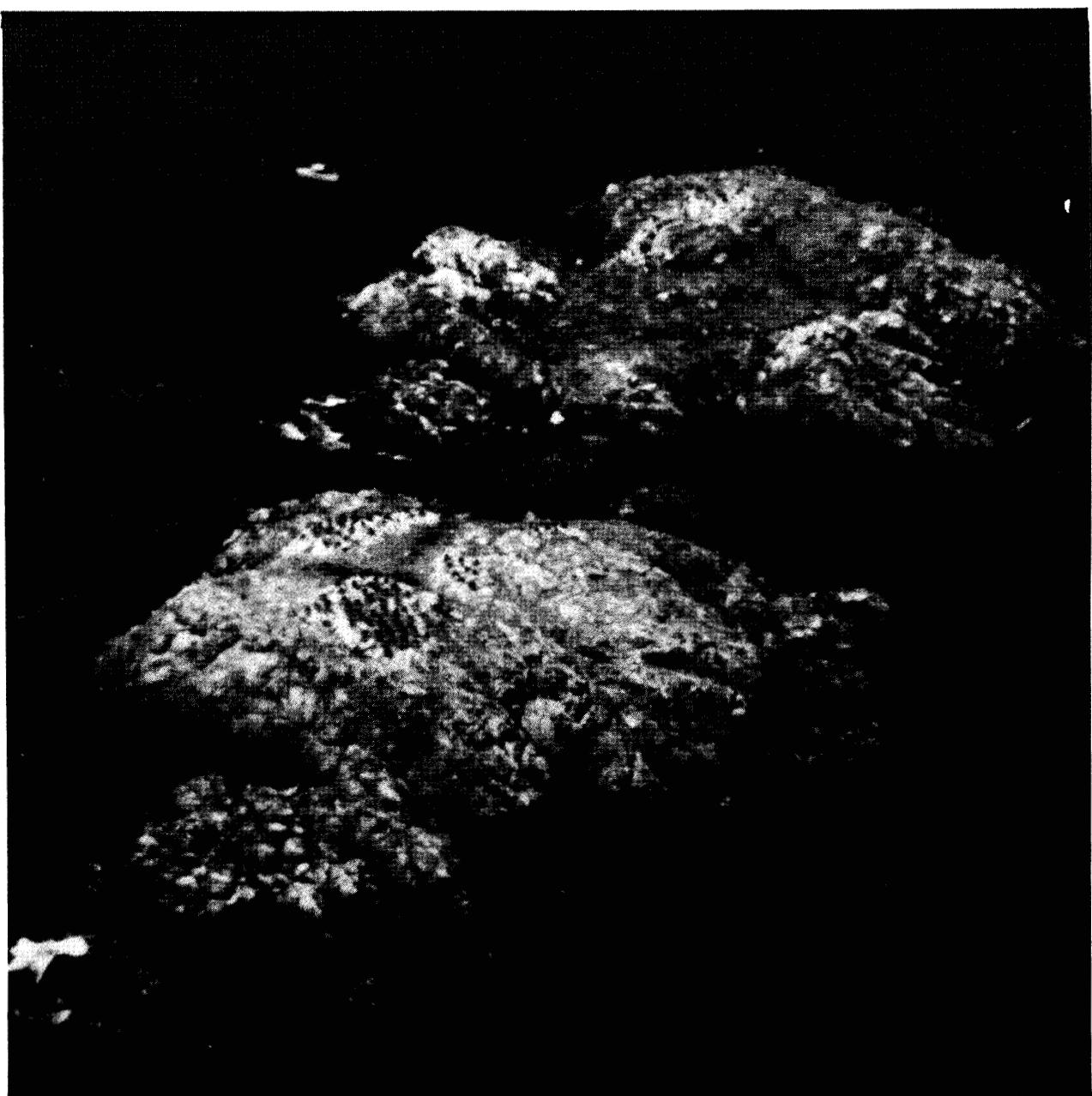
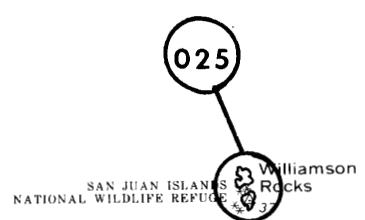
Double-crested Cormorant	146	Wahl	06/14/79	B	I	269
Pelagic Cormorant	62	Wahl	06/14/79	B	I	269
Glaucous-winged Gull	230	Wahl	06/14/79	B	III	269
Pigeon Guillemot	26	Wahl	06/14/79	B	III	269
Total	464					

Double-crested Cormorant	200?	Nisqually NWR	06/05-06/62	B	?	202
Double-crested Cormorant	4P	Hauser & Monson 1963	07/16-17/63	B	III	145
Double-crested Cormorant	20P	Nisqually NWR	08/21-23/67	L	III	202
Double-crested Cormorant	20	Pitman	06/21/78	B	I	217
Double-crested Cormorant	262	Wahl	07/19/82	A	II	269
Pelagic Cormorant	2	Howsley	06/19/37	E	-	147
Pelagic Cormorant	12	Thoresen & Booth 1958	06-09/ ?/57	L	I	263
Pelagic Cormorant	6?	Nisqually NWR	07/13-16/68	B	?	202
Pelagic Cormorant	134	Eddy 1975	06/15/75	L	I	94
Pelagic Cormorant	51	Manuwal	06/26/76	L	III	188
Pelagic Cormorant	126	Pitman	06/21/78	B	I	217
Black Oystercatcher	2	Edson 1929	06/14-15/05	L	I	98
Black Oystercatcher	2	Thoresen & Booth 1958	06-09/ ?/57	L	I	263
Black Oystercatcher	2	Thoresen & Galusha 1971	06-07/ ?/63	L	I	264
Black Oystercatcher	4P	Nisqually NWR	07/13-16/68	B	?	202
Black Oystercatcher	0	Thoresen & Galusha 1971	06-07/ ?/70	L	III	264
Black Oystercatcher	2	Eddy 1975; Nysewander	06/15/75	L	I	94;205
Glaucous-winged Gull	88	Edson 1929	06/14-15/05	L	I	98
Glaucous-winged Gull	240	Dawson	06/14-22/05	L	III	76
Glaucous-winged Gull	X	Dawson	07/12/05	L	III	76
Glaucous-winged Gull	2	Hepburn	05/31/12	E	-	131
Glaucous-winged Gull	2	Hepburn	[05/31/12]	E	-	131
Glaucous-winged Gull	2	Booth	05/30/30	E	-	38
Glaucous-winged Gull	10	Booth	06/08/30	E	-	38
Glaucous-winged Gull	10	Howsley	06/19/37	E	-	147
Glaucous-winged Gull	X	Schultz	?/ ?/54	L	III	245
Glaucous-winged Gull	X	Booth	08/ ?/54	L	III	39
Glaucous-winged Gull	100's	Thoresen & Booth 1958	06-09/ ?/57	L	III	263
Glaucous-winged Gull	800P	Nisqually NWR	06/05-06/62	B	III	202
Glaucous-winged Gull	500	Thoresen & Galusha 1971	06-07/ ?/63	L	III	264
Glaucous-winged Gull	450	Hauser & Monson 1963	07/16-17/63	B	III	145
Glaucous-winged Gull	X	Nisqually NWR	08/21-23/67	L	III	202
Glaucous-winged Gull	700	Nisqually NWR	07/13-16/68	B	?	202
Glaucous-winged Gull	602	Thoresen & Galusha 1971	06-07/ ?/70	L	II	264
Glaucous-winged Gull	692	Eddy 1975	06/15/75	L	II	94
Glaucous-winged Gull	>60	Manuwal	06/26/76	L	III	188
Glaucous-winged Gull	P	Thoresen 1980	06/23-08/03/77	B	III	261
Glaucous-winged Gull	120+P	Harrington-Tweit	04/02/78	M	III	124
Glaucous-winged Gull	400	Pitman	06/21/78	B	III	217
Glaucous-winged Gull	X	Wahl	03/13/79	B	III	269
Glaucous-winged Gull	X	Wahl	07/19/82	A	III	269
Pigeon Guillemot	2	Edson	06/15/03	E	-	100
Pigeon Guillemot	12	Edson 1929	06/14-15/05	L	III	98

Section from U.S.G.S.  
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Williamson Rocks (156025) 19 July 1982 T.R. Wahl

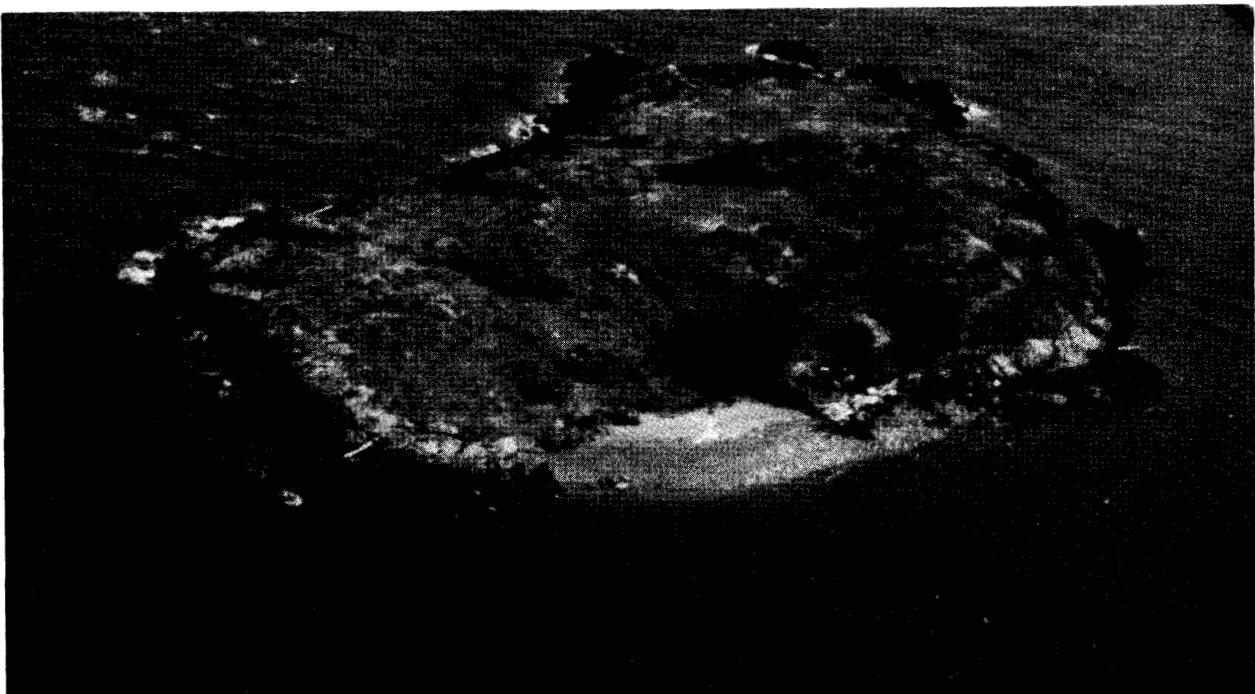
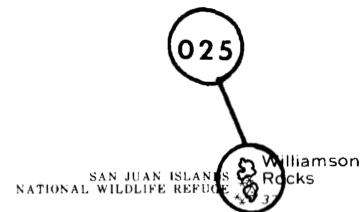
## AREA 156, Victoria (cont'd.)

Pigeon Guillemot	4	Howsley	06/19/37	E -	147
Pigeon Guillemot	X	Thoresen & Booth 1958	06-09/ ?/57	L III	263
Pigeon Guillemot	20P	Nisqually NWR	06/05-06/62	B III	202
Pigeon Guillemot	8	Thoresen & Galusha 1971	06-07/ ?/63	L II	264
Pigeon Guillemot	37	Hauser & Monson 1963	07/16-17/63	B III	145
Pigeon Guillemot	25	Nisqually NWR	06/21/67	? III	202
Pigeon Guillemot	15	Nisqually NWR	08/21-23/67	L III	202
Pigeon Guillemot	50	Nisqually NWR	07/13-16/68	B ?	202
Pigeon Guillemot	0	Thoresen & Galusha 1971	06-07/ ?/70	L III	264
Pigeon Guillemot	4	Eddy 1975	06/15/75	L II	94
Pigeon Guillemot	12	Manuwal	06/26/76	L III	188
Pigeon Guillemot	P	Thoresen 1980	06/23-08/03/77	B III	261
Pigeon Guillemot	50	Pitman	06/21/78	B III	217
Rhinoceros Auklet	1?	Thoresen 1980	06/23-08/03/77	B III	261
Tufted Puffin	12	Edson 1929	06/14-15/05	L II	98
Tufted Puffin	4	Booth	06/10/28	E -	38
Tufted Puffin	Several	Booth	06/10/28	L III	32
Tufted Puffin	2	Booth	06/08/30	E -	38
Tufted Puffin	Several	Booth	06/08/30	L III	32
Tufted Puffin	16	Thoresen & Booth 1958	06-09/ ?/57	L II	263
Tufted Puffin	X	Thoresen 1981	?/ ?/57	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/58	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/59	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/60	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/61	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/62	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/63	? III	262
Tufted Puffin	8	Thoresen & Galusha 1971	06-07/ ?/63	L I	264
Tufted Puffin	1	Hauser & Monson 1963	07/16-17/63	B II	145
Tufted Puffin	X	Thoresen 1981	?/ ?/64	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/65	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/66	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/67	? III	262
Tufted Puffin	5P	Nisqually NWR	06/21/67	? III	202
Tufted Puffin	X	Thoresen 1981	?/ ?/68	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/69	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/70	? III	262
Tufted Puffin	0	Thoresen & Galusha 1971	06-07/ ?/70	B III	264
Tufted Puffin	X	Thoresen 1981	?/ ?/71	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/72	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/73	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/74	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/75	? III	262
Tufted Puffin	X	Thoresen 1981	?/ ?/76	? III	262
Tufted Puffin	6+	Thoresen 1981	07/24/77	? III	262
Tufted Puffin	P	Thoresen 1980	06/23-08/03/77	B III	261
Tufted Puffin	1	Eddy 1975	06/15/75	L III	94

Section from U.S.G.S.  
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Goose Island (156026) 19 July 1982 T.R. Wahl

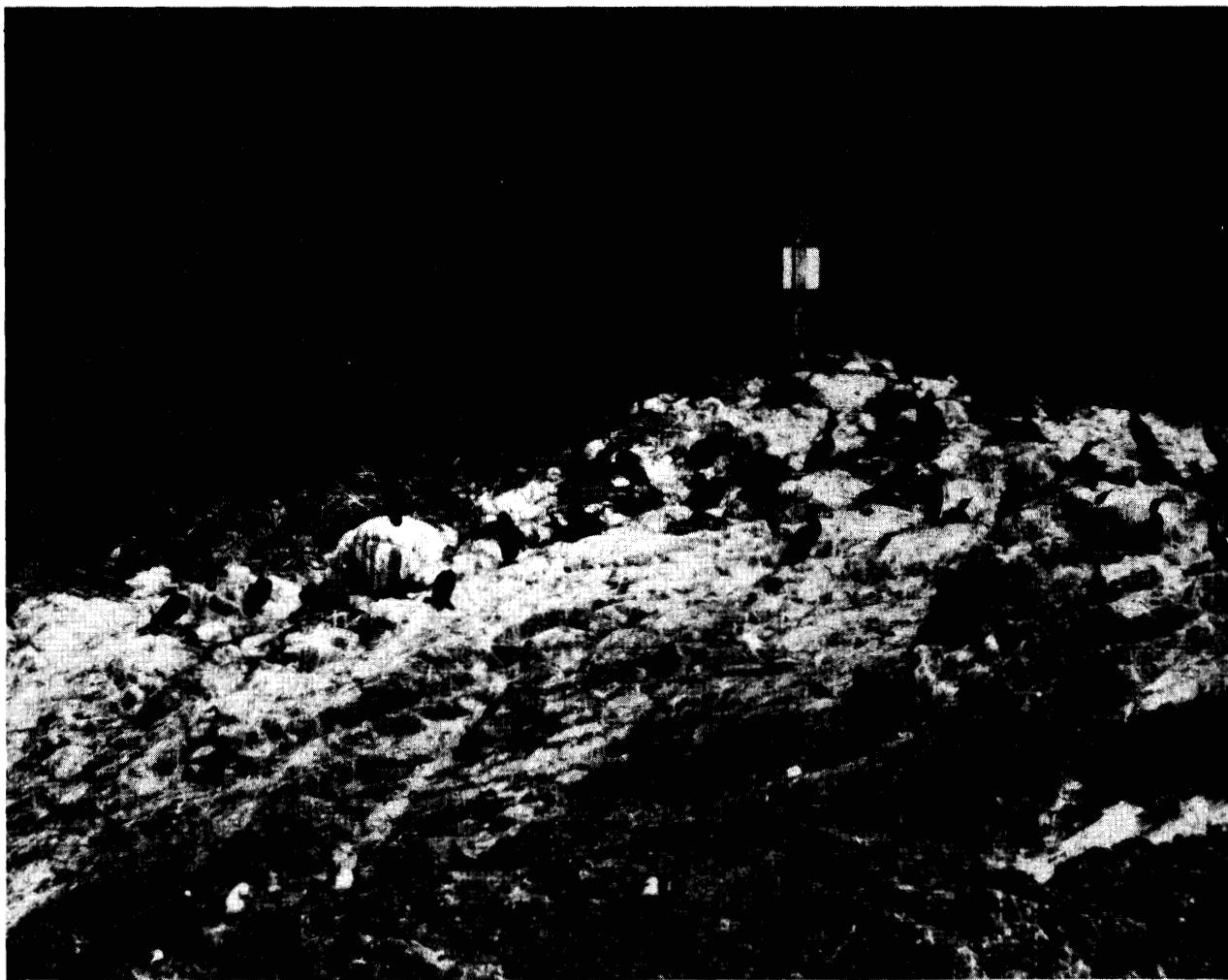
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(026)

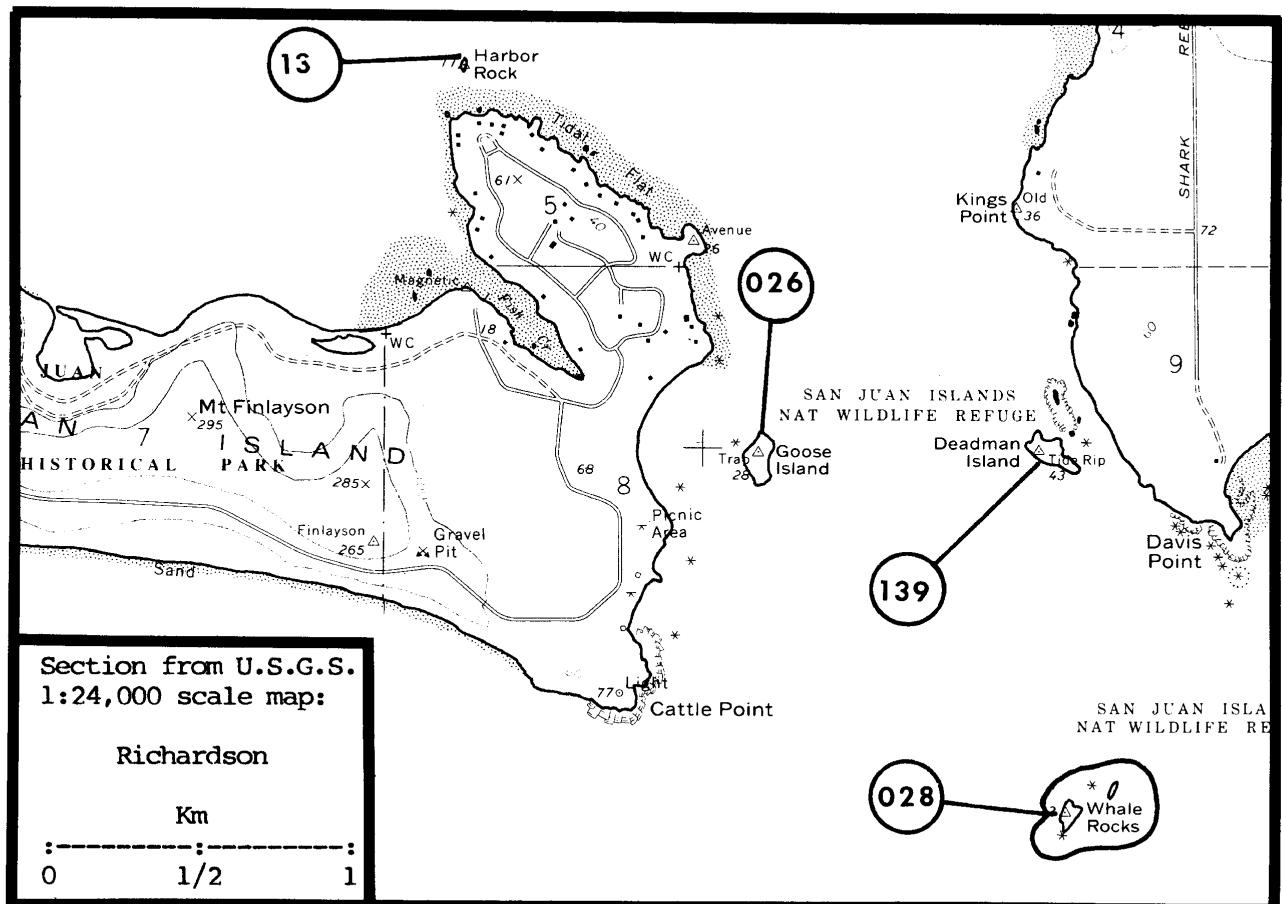
Goose Island 48°27'30"N, 122°57'18"W

Black Oystercatcher	4	Eaton 1980	06/ ?/78	L	I	93
Glaucous-winged Gull	102	Eaton 1980	06/ ?/78	L	II	93
Total	106					

No Nesting Observed	0	Jewett 1937	05/27/37	B	III	156
Black Oystercatcher	1	Richardson	08/15/57	S	-	230
Black Oystercatcher	4	Eddy	06/08/74	L	I	95
Black Oystercatcher	4	Eaton 1980	?/ ?/74	L	I	93
Black Oystercatcher	4	Eaton 1980	06-07/ ?/77	L	I	93
Glaucous-winged Gull	120	Frazer 1973	07/17/73	B	III	108
Glaucous-winged Gull	108	Eddy	06/08/74	L	I	95
Glaucous-winged Gull	66	Eaton 1980	06-07/ ?/77	L	I	93
Glaucous-winged Gull	<100	Wahl	07/19/82	A	III	269



Bird Rocks, south (156024) 21 June 1978, R.L. Pitman Double-crested Cormorants



## AREA 156, Victoria (cont'd.)

(027)

Mummy Rocks 48°26'54"N, 122°55'40"W

Black Oystercatcher	1	Pitman	06/20/78	B III 217
Glaucous-winged Gull	50	Pitman	06/20/78	B III 217
Total	51			

Black Oystercatcher	5	Eddy	07/03/61	B III 95
Black Oystercatcher	2	Hauser & Monson 1963	07/16-17/63	B III 145
Glaucous-winged Gull	100+	Eddy	07/03/61	B III 95
Glaucous-winged Gull	60	Hauser & Monson 1963	07/16-17/63	B III 145
Glaucous-winged Gull	110	Frazer 1973	07/17/73	B III 108
Glaucous-winged Gull	35?	Wahl	07/19/82	A III 269

(028)

Whale Rocks 48°26'51"N, 122°56'26"W

Black Oystercatcher	2	Pitman	06/20/78	B II 217
Glaucous-winged Gull	5	Pitman	06/20/78	B II 217
Total	7			

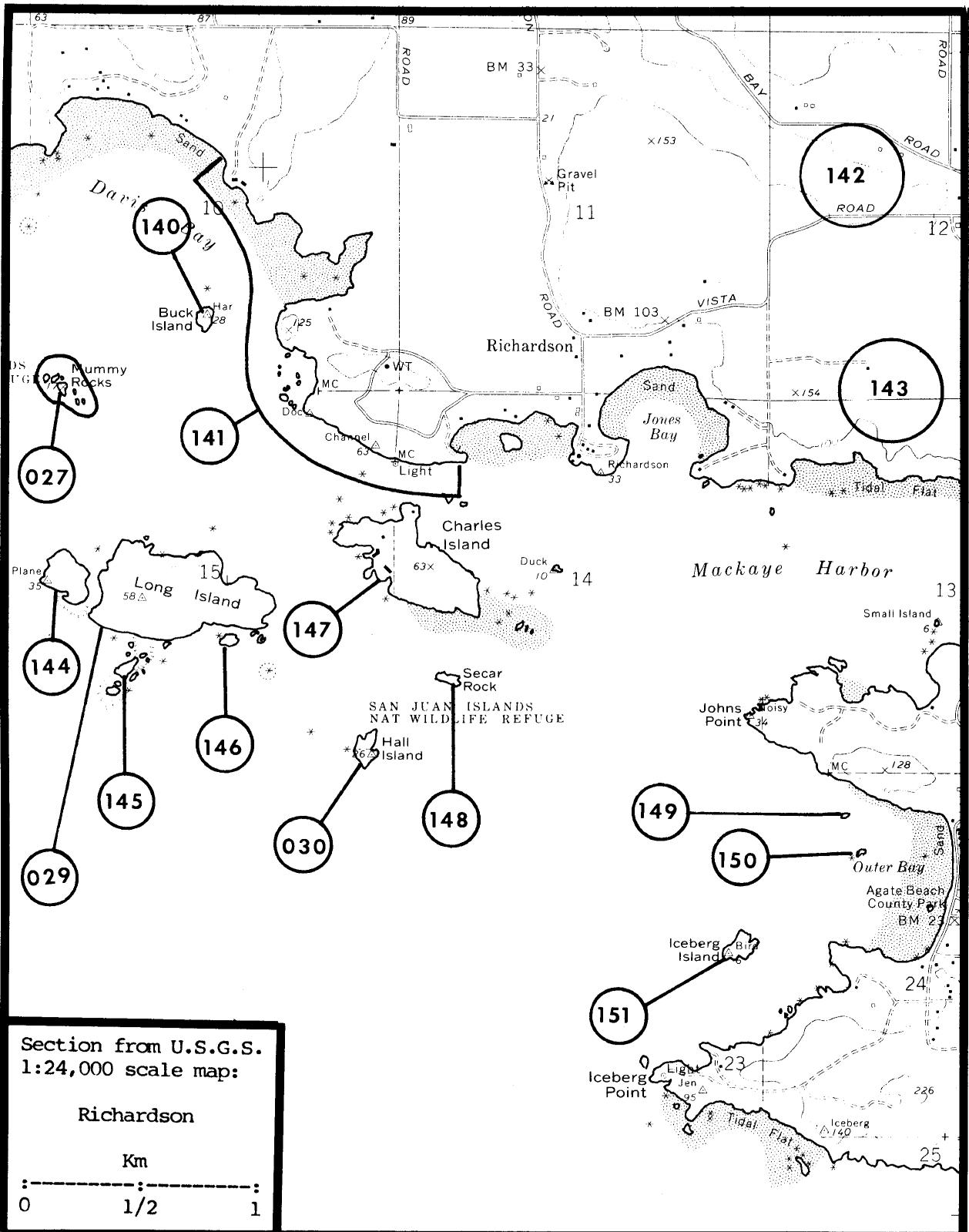
Black Oystercatcher	2	Manuwal 1977	?/ ?/73-75	L I 187
Black Oystercatcher	2	Nysewander	06-07/ ?/73	B III 205
Glaucous-winged Gull	25?	Nisqually NWR	06/20/63	B ? 202
Glaucous-winged Gull	89	Frazer 1973	07/17/73	B III 108

(029)

Long Island 48°26'32"N, 122°55'20"W

Black Oystercatcher	2	Pitman	06/20/78	B II 217
Glaucous-winged Gull	20	Pitman	06/20/78	B II 217
Total	22			

Black Oystercatcher	9	Frazer 1973	07/17/73	B II 108
Black Oystercatcher	10	Nysewander	06-07/ ?/73	B III 205
Black Oystercatcher	12?	Nysewander	03/22/74	B III 205
Black Oystercatcher	8	Eddy	06/08/74	L II 95
Glaucous-winged Gull	125	Frazer 1973	07/17/73	B III 108
Glaucous-winged Gull	274	Eddy	06/08/74	L II 95
Pigeon Guillemot	1	Wahl	05/19/78	B III 269



## AREA 156, Victoria (cont'd.)

(030)

Hall Island 48°26'06"N, 122°54'37"W

Pelagic Cormorant	24	Pitman	06/20/78	B I 217
Black Oystercatcher	1	Pitman	06/20/78	B III 217
Glaucous-winged Gull	500	Pitman	06/20/78	B III 217
Pigeon Guillemot	6	Pitman	06/20/78	B II 217
Total	531			

Cormorant sp.	100?	Devan	04/28/71	? III 87
Double-crested Cormorant	X	Stopps	07/16-17/66	? III 258
Pelagic Cormorant	10P	Nisqually NWR	06/20/63	B ? 202
Pelagic Cormorant	18	Hauser & Monson	07/16-17/63	B II 145
Pelagic Cormorant	X	Stopps	07/16-17 66	? III 258
Pelagic Cormorant	25	Nisqually NWR	06/13-16/68	L II 202
Pelagic Cormorant	30N	Frazer 1973	07/17/73	B ? 108
Black Oystercatcher	2	Eddy	07/03/61	L I 95
Black Oystercatcher	8P	Schultz	07/18/64	L III 242
Black Oystercatcher	2P	Nysewander 1977	?/?73-74	L III 204
Black Oystercatcher	2	Nysewander	06/ ?/73	L I 205
Black Oystercatcher	2	Manuwal	06/26/76	L I 188
Glaucous-winged Gull	X	Schultz 1952	07/21/48-51?	L III 241
Glaucous-winged Gull	400B	Schultz	?/?48	L III 245
Glaucous-winged Gull	400B	Schultz	?/?49	L III 245
Glaucous-winged Gull	X	Schultz 1952	?/?51?	L III 241
Glaucous-winged Gull	310B	Schultz	?/?55	L III 245
Glaucous-winged Gull	325B	Schultz	?/?60	L III 245
Glaucous-winged Gull	100's	Eddy	07/03/61	L III 95
Glaucous-winged Gull	260B	Schultz	?/?63	L III 245
Glaucous-winged Gull	1000	Nisqually NWR	06/20/63	B III 202
Glaucous-winged Gull	600	Hauser & Monson 1963	07/16-17/63	B III 145
Glaucous-winged Gull	X	Schultz	07/18/64	L III 242
Glaucous-winged Gull	X	Schultz	?/?65	L III 245
Glaucous-winged Gull	1000	Nisqually NWR	07/13-16/68	L III 202
Glaucous-winged Gull	750	Devan	04/28/71	? III 87
Glaucous-winged Gull	530B	Wahl	07/10/71	L III 269
Glaucous-winged Gull	340B	Wahl	07/09/72	L III 269
Glaucous-winged Gull	410B	Wahl	07/08/73	L III 269
Glaucous-winged Gull	480	Frazer 1973	07/17/73	B ? 108
Glaucous-winged Gull	X	Manuwal	06/26/76	L III 188
Glaucous-winged Gull	X	Wahl	03/13/79	B III 269
Glaucous-winged Gull	700	Wahl	06/14/79	B III 145
Glaucous-winged Gull	<1000	Wahl	07/19/82	A III 269
Pigeon Guillemot	2	Hauser & Monson	07/16-17/63	B III 145
Pigeon Guillemot	P	Nisqually NWR	07/13-16/68	L III 202
Pigeon Guillemot	5P	Frazer 1973	07/17/73	L III 108
Pigeon Guillemot	2	Manuwal	06/26/76	L III 188
Pigeon Guillemot	6	Wahl	05/19/78	B III 269



Hall Island (156030) 19 July 1982 T.R. Wahl

## AREA 156, Victoria (cont'd.)

(031)

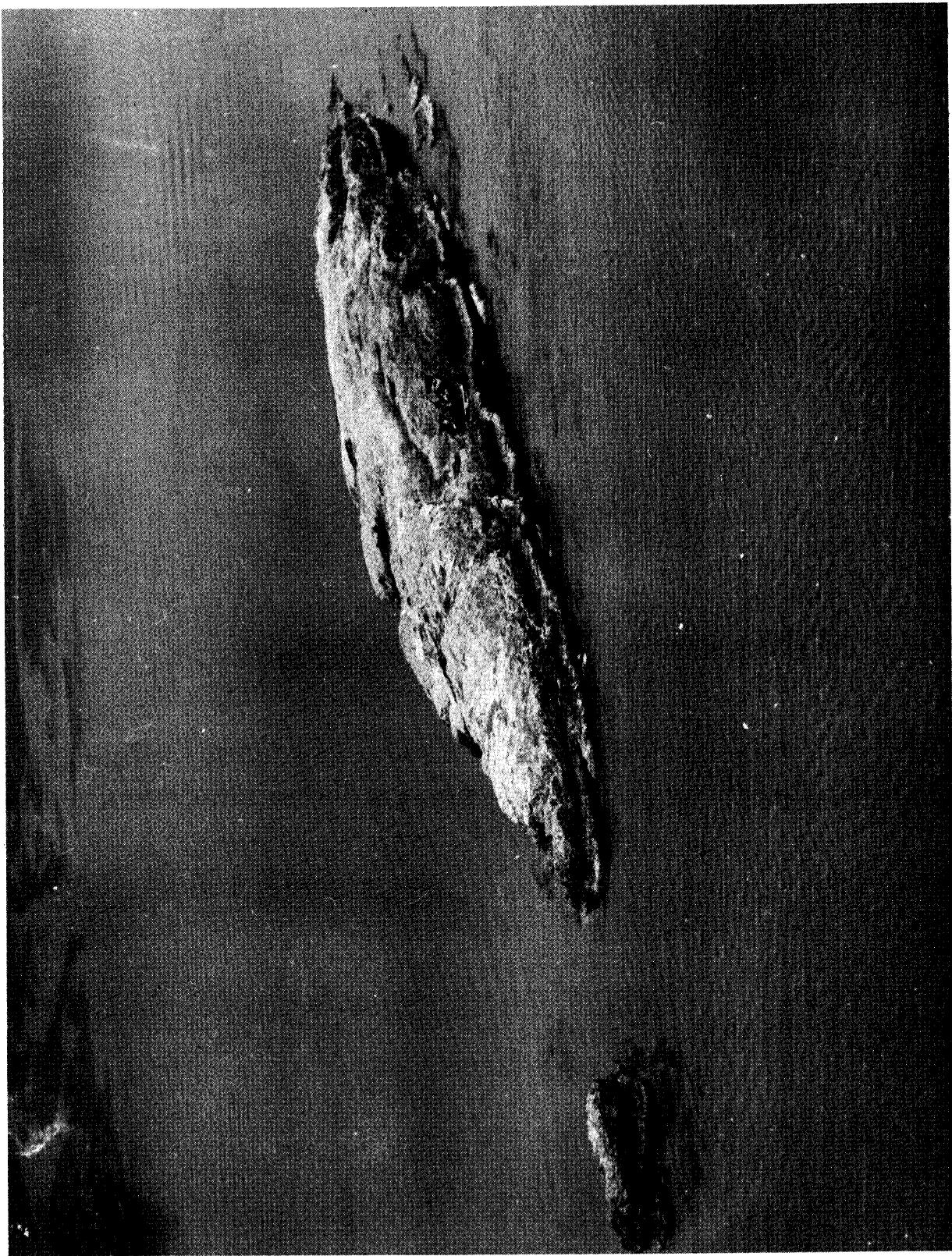
Castle Island 48°25'20"N, 122°49'13"W

Pelagic Cormorant	190	Wahl	07/19/82	A II 269
Pigeon Guillemot	130	Wahl	06/14/79	B III 269
Total	320			

No Nesting Observed	0	Eddy	07/03/61	B III 95
Cormorant sp.	X	Jewett 1937	05/25/37	B III 156
Double-crested Cormorant	28	Frazer 1973	07/17/73	B I 108
Pelagic Cormorant	100-200	Wahl	06/09/74	B II 269
Glaucous-winged Gull	0	Wahl	07/19/82	A III 269
Pigeon Guillemot	200+	Rathbun	06/11/28	B III 223
Pigeon Guillemot	X	Jewett 1937	05/25/37	B III 156
Pigeon Guillemot	45	Frazer 1973	07/17/73	B III 108
Pigeon Guillemot	8+	Manuwal	06/26/76	B III 188
Pigeon Guillemot	167	Wahl	05/19/78	B III 269
Pigeon Guillemot	60	Pitman	06/20/78	B III 217



Castle Island (156031) 9 June 1974 T.R. Wahl



Colville Island (156032)(right) Unnamed Rock ("Colville Annex") (156166) USF&WS

## AREA 156, Victoria (cont'd.)

032

Colville Island 48°24'58"N, 122°49'17"W

Double-crested Cormorant	62	Wahl	06/14/79	B II 269
Pelagic Cormorant	230	Wahl	06/14/79	B II 269
Black Oystercatcher	2	Pitman	06/20/78	B III 217
Glaucous-winged Gull				
1000-2000		Wahl	07/19/82	A III 269
Pigeon Guillemot	22	Wahl	06/14/79	B III 269
Tufted Puffin	5P	Wahl	06/14/79	B III 269
Total	1321-2321			

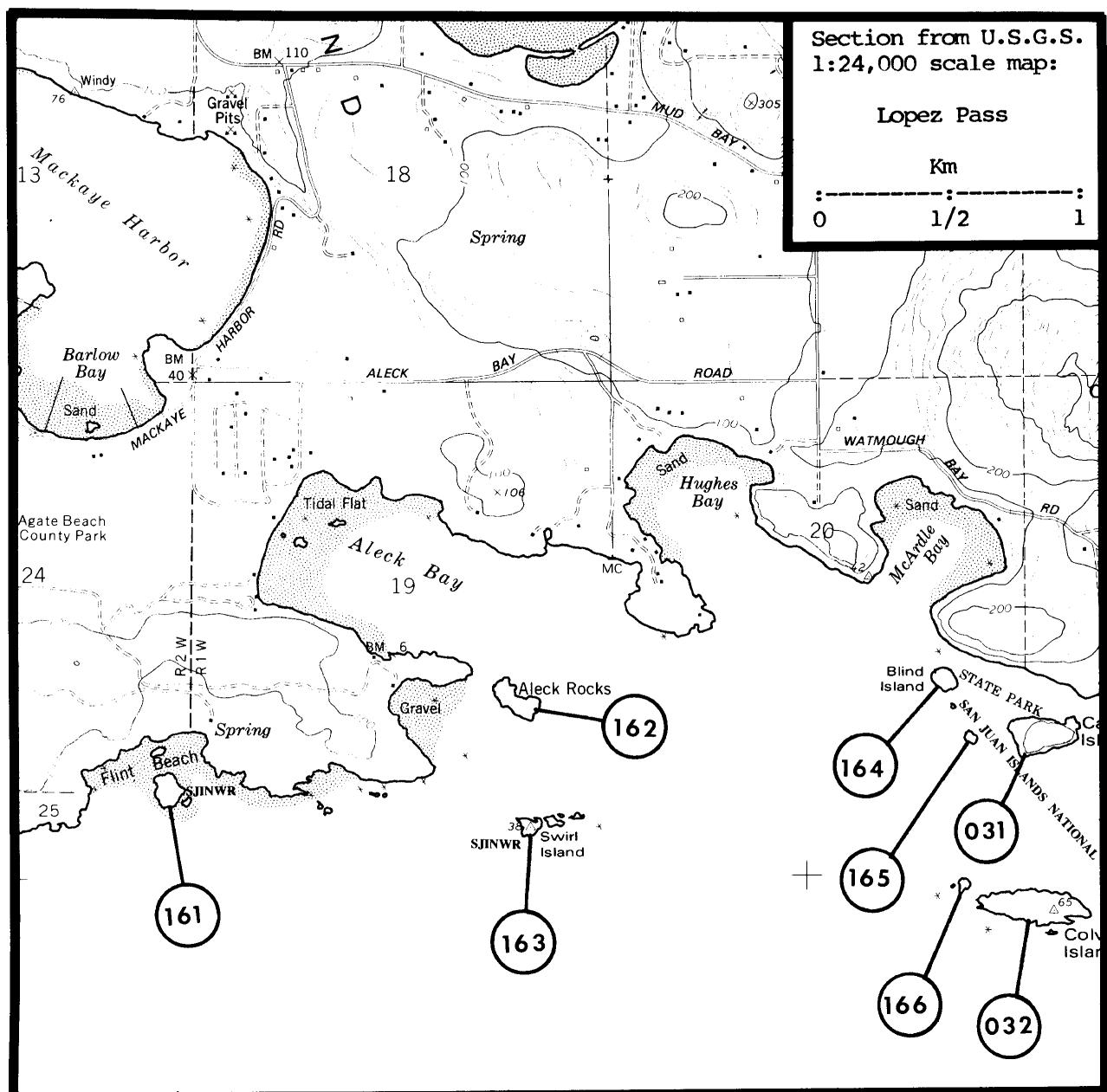
No nesting observed	0	Edson 1929	06/17/05	L III 98
Cormorant sp.	50	Nisqually NWR	06/05-06/62	B III 202
Cormorant sp.	P	Nisqually NWR	06/20/63	B III 202
Cormorant sp.	175	Devan	04/28/71	? III 87
Double-crested Cormorant	0	Drent & Guiguet 1961	pre-1905	- - 89
Double-crested Cormorant				
100-140		Schultz	pre-1948	L ? 243
Double-crested Cormorant	400	Goodge 1950	pre-1948	? ? 115
Double-crested Cormorant	0	Schultz	? / ? / 48	L III 243
Double-crested Cormorant	0	Goodge 1950	? / ? / 48	? III 115
Double-crested Cormorant				
50-100		Schultz	? / ? / 57	L III 243
Double-crested Cormorant	52+	Eddy & Richardson;		
		Eddy	08/04/57	? ? 97;95
Double-crested Cormorant	34	Eddy	07/03/61	L I 95
Double-crested Cormorant	28	Thoresen & Galusha 1971	06-07/ ?/63	L I 264
Double-crested Cormorant	22	Hauser & Monson 1963	07/16-17/63	B II 145
Double-crested Cormorant	0	Schultz	07/19/64	L III 242
Double-crested Cormorant	X	Stopps	07/16-17/66	L III 258
Double-crested Cormorant	X	Wahl	07/13-14/68	L III 269
Double-crested Cormorant	24	Thoresen & Galusha 1971	06-07/ ?/70	L I 264
Double-crested Cormorant	49	Richardson	? / ? / 73	? ? 228
Double-crested Cormorant	0	Wahl	? / ? / 74	L III 270
Double-crested Cormorant	92	Pitman	06/20/78	B I 217
Double-crested Cormorant	534	Wahl	07/19/82	A II 269
Brandt's Cormorant	18	Eddy	08/04/57	B II 95
Pelagic Cormorant	X	Jewett 1937	05/25/37	B III 156
Pelagic Cormorant	160	Eddy	08/04/57	B II 95
Pelagic Cormorant	60	Eddy	07/03/61	L I 95
Pelagic Cormorant	100	Thoresen & Galusha 1971	06-07/ ?/63	L I 264
Pelagic Cormorant	2	Schultz	07/19/64	L ? 242
Pelagic Cormorant	X	Wahl	07/17/65	L III 269
Pelagic Cormorant	X	Stopps	07/16-17/66	? III 258
Pelagic Cormorant	40P	Nisqually NWR	06/21/67	? III 202
Pelagic Cormorant	X	Wahl	07/13-14/68	L III 269
Pelagic Cormorant	88	Thoresen & Galusha 1971	06-07/ ?/70	L I 264
Pelagic Cormorant	X	Wahl	07/09/72	L III 269
Pelagic Cormorant	69	Frazer 1973	07/17/73	B III 108
Pelagic Cormorant	180	Wahl	06/02/74	L II 269
Pelagic Cormorant	X	Hayward et al. 1975	06/15&08/15/74	? III 128

Section from U.S.G.S.  
1:24,000 scale map:

Lopez Pass

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## AREA 156, Victoria (cont'd.)

Pelagic Cormorant	100	Manuwal	06/23/76	L III	188
Pelagic Cormorant	92	Pitman	06/20/78	B I	217
Pelagic Cormorant	X	Wahl	07/19/82	A III	269
Black Oystercatcher	2	Eddy	07/03/61	L I	95
Black Oystercatcher	4	Nisqually NWR	06/05/62	B III	202
Black Oystercatcher	4	Thoresen & Galusha 1971	06-07/ ?/63	L I	264
Black Oystercatcher	1	Nisqually NWR	06/20/63	B III	202
Black Oystercatcher	2	Hansen & Monson 1963	07/16-17/63	B III	145
Black Oystercatcher	X	Wahl	07/17/65	L III	269
Black Oystercatcher	X	Wahl	07/09/67	L III	269
Black Oystercatcher	X	Wahl	07/13-14/68	L III	269
Black Oystercatcher	2	Thoresen & Galusha 1971	06-07/ ?/70	L I	264
Black Oystercatcher	2	Wahl	07/11-12/70	L I	269
Black Oystercatcher	X	Wahl	07/09/72	L III	269
Black Oystercatcher	2	Nysewander	06 ?/73	B III	205
Black Oystercatcher	1	Frazer 1973	07/17/73	B III	108
Black Oystercatcher	4	Wahl	06/02/74	L II	269
Black Oystercatcher	X	Hayward et al. 1975	06/15&08/15/74	? III	128
Black Oystercatcher	4-6	Manuwal	06/23/76	L III	188
Glaucous-winged Gull	400+	Rathbun	06/11/28	L III	223
Glaucous-winged Gull	3,000	Jewett 1937	05/25/37	B III	156
Glaucous-winged Gull	30	Howsley	06/20/37	E -	147
Glaucous-winged Gull	XB	Schultz	?/ ?/40	L III	245
Glaucous-winged Gull	1	Goodge	07/28/49	S -	116
Glaucous-winged Gull	530B	Schultz	?/ ?/48	L III	245
Glaucous-winged Gull	1	McMannama	07/28/48	S -	193
Glaucous-winged Gull	630B	Schultz	?/ ?/49	L III	245
Glaucous-winged Gull	2	McMannama	07/09/49	S -	193
Glaucous-winged Gull	X	Schultz 1951	06/14-19/51	L III	240
Glaucous-winged Gull	4	Schultz	06/16/51	S -	246
Glaucous-winged Gull	740B	Schultz	?/ ?/55	L III	245
Glaucous-winged Gull	3	Schultz	07/27/55	S -	246
Glaucous-winged Gull	840B	Schultz	?/ ?/57	L III	245
Glaucous-winged Gull	100's	Eddy	08/04/57	B III	95
Glaucous-winged Gull	1400B	Schultz	?/ ?/58	L III	245
Glaucous-winged Gull	1020B	Schultz	?/ ?/61	L III	245
Glaucous-winged Gull	500+	Eddy	07/03/61	L III	95
Glaucous-winged Gull	1420B	Schultz	?/ ?/62	L III	245
Glaucous-winged Gull	X	Nisqually NWR	06/05/62	B III	202
Glaucous-winged Gull	670B	Schultz	?/ ?/63	L III	245
Glaucous-winged Gull	2454	Thoresen & Galusha 1971	06-07/ ?/63	L II	264
Glaucous-winged Gull	2000	Nisqually NWR	06/20/63	B III	202
Glaucous-winged Gull	3000	Hansen & Monson 1963	07/16-17/63	B III	145
Glaucous-winged Gull	170B	Schultz	?/ ?/64	L III	245
Glaucous-winged Gull	1980B	Wahl	07/17/65	L III	269
Glaucous-winged Gull	2470B	Wahl	07/17/66	L III	269
Glaucous-winged Gull	1000	Nisqually NWR	06/21/67	? III	202
Glaucous-winged Gull	800B	Wahl	07/09/67	L III	269
Glaucous-winged Gull	1200	Nisqually NWR	08/21-23/67	L III	202
Glaucous-winged Gull	X	Wahl	07/13-14/68	L III	269
Glaucous-winged Gull	5000	Nisqually NWR	07/13-16/68	L III	202
Glaucous-winged Gull	1640B	Wahl	07/13/68	L III	269
Glaucous-winged Gull	2854	Thoresen & Galusha 1971	06-07/ ?/70	L III	264
Glaucous-winged Gull	1880B	Wahl	07/11-12/70	L III	269

Glaucous-winged Gull	2500	Devan	04/28/71	? III	87
Glaucous-winged Gull	1250B	Wahl	07/11/71	L III	269
Glaucous-winged Gull	670B	Wahl	07/09/72	L III	269
Glaucous-winged Gull	1330B	Wahl	07/08/73	L III	269
Glaucous-winged Gull	1300	Frazer 1973	07/17/73	B III	108
Glaucous-winged Gull	3000	Hayward et al. 1975	06/15&08/15/74	? III	128
Glaucous-winged Gull	2970	Amlaner et al. 1977	07/ ?/74	L II	10
Glaucous-winged Gull	3616	Amlaner et al. 1977	06/ ?/75	L II	10
Glaucous-winged Gull	100+	Manuwal	06/23/76	L III	188
Glaucous-winged Gull	1000-2000	Pitman	06/20/78	B III	217
Glaucous-winged Gull	X	Wahl	03/13/79	B III	269
Glaucous-winged Gull	800	Wahl	06/14/79	B III	269
Pigeon Guillemot	X	Jewett 1937	05/25/37	B III	156
Pigeon Guillemot	4	Eddy	07/03/61	L III	95
Pigeon Guillemot	6	Thoresen & Galusha 1971	06-07/ ?/63	L II	264
Pigeon Guillemot	9	Hansen & Monson 1963	07/16-17/63	B III	145
Pigeon Guillemot	X	Wahl	07/17/65	L III	269
Pigeon Guillemot	25	Nisqually NWR	06/21/67	? III	202
Pigeon Guillemot	X	Wahl	07/19/67	L III	269
Pigeon Guillemot	X	Wahl	07/13-14/68	L III	269
Pigeon Guillemot	50P	Nisqually NWR	07/13-16/68	L III	202
Pigeon Guillemot	0	Thoresen & Galusha 1971	06-07/ ?/70	L III	264
Pigeon Guillemot	P	Devan	04/28/71	? ?	87
Pigeon Guillemot	X	Wahl	07/11/71	L I	269
Pigeon Guillemot	X	Wahl	07/09/72	L I	269
Pigeon Guillemot	X	Hayward et al. 1975	06/15&08/15/74	? III	128
Pigeon Guillemot	22	Manuwal	06/23/76	L III	188
Pigeon Guillemot	25	Wahl	05/19/78	B III	269
Pigeon Guillemot	60	Pitman	06/20/78	B II	217
Pigeon Guillemot	50	Wahl	03/13/79	B III	269
Tufted Puffin	6+	Eddy	08/04/57	B III	95
Tufted Puffin	2	Eddy	07/03/61	L III	95
Tufted Puffin	6	Nisqually NWR	06/05/62	B III	202
Tufted Puffin	0	Wahl	07/09/67	L III	269
Tufted Puffin	X	Wahl	07/13-14/68	L I	269
Tufted Puffin	0	Wahl	07/11-12/70	L III	269
Tufted Puffin	20-30X	Pitman	06/20/78	B II	269

AREA 156, Victoria (cont'd.)

(033)

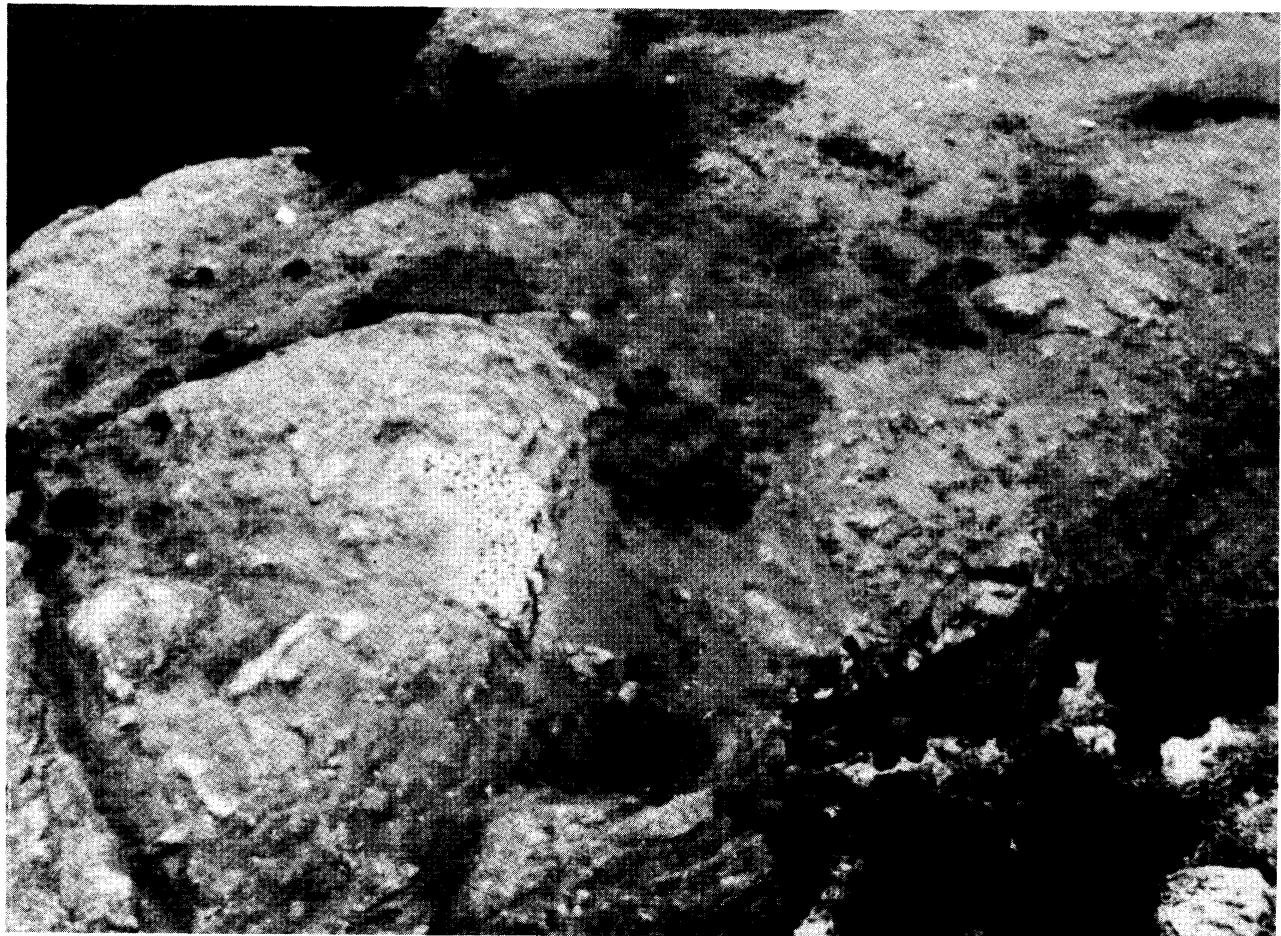
Minor Island  $48^{\circ}19'28''N$ ,  $122^{\circ}49'06''W$

Glaucous-winged Gull	X	Wahl	07/19/82	A III 269
Glaucous-winged Gull	80±	Eddy	08/28/55	L III 95
Glaucous-winged Gull	200	Nisqually NWR	08/21-23/67	L III 202
Glaucous-winged Gull	1000±	Newby	07/20/72	? III 201
Glaucous-winged Gull	278	Manuwal	05/27/73	L II 188
Glaucous-winged Gull	175	Manuwal 1973	05/27/73	L II 186

(034)

Smith Island<sup>1</sup>  $48^{\circ}19'08''N$ ,  $122^{\circ}50'32''W$

<sup>1</sup>Observations for Smith Island (156034) are contained in the accounts of Smith and Minor islands (156181). The data are such that it is usually not possible to separate the observations made on Smith Island and Minor Island.



Colville Island (156032) 19 July 1982 T.R. Wahl Double-crested Cormorants

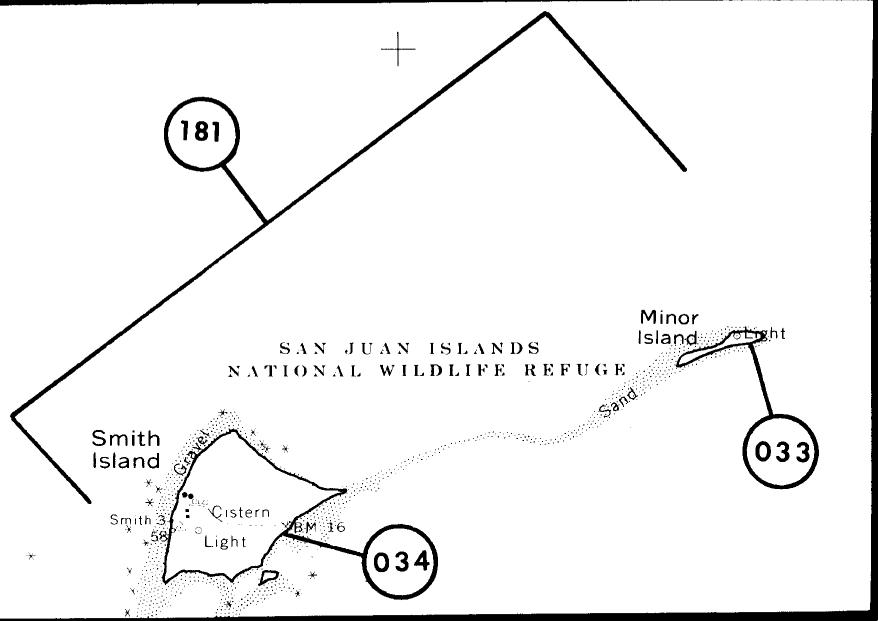
Section from U.S.G.S.  
1:24,000 scale map:

Smith Island

Km

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BOUNDARY



Protection Island, west spit (156035) 19 July 1982 T.R. Wahl

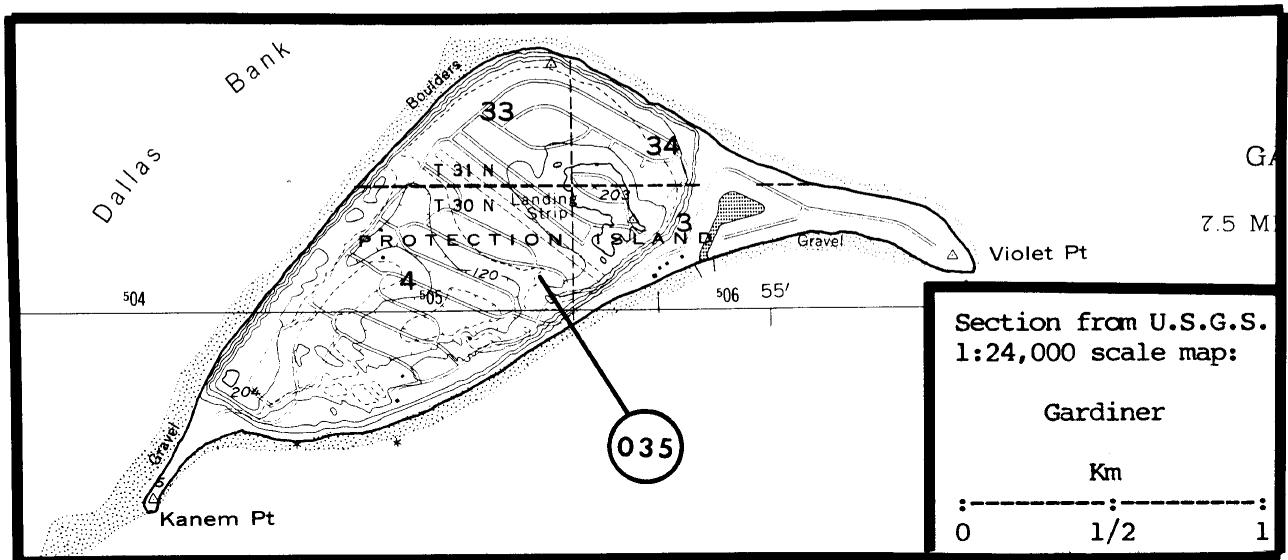
## AREA 156, Victoria (cont'd.)

035

Protection Island 48°07'40"N, 122°55'50"W

Pelagic Cormorant	860	Galusha 1982	Summer/82	L I 111
Black Oystercatcher	20	Galusha 1982	Summer/82	L I 111
Glaucous-winged Gull	11100	Galusha 1982	Summer/82	L III 111
Pigeon Guillemot	1300	Galusha 1982	Summer/82	L III 111
Tufted Puffin	45	Galusha 1982	Summer/82	L II 111
Rhinoceros Auklet	34000 <sup>1</sup>	Hirsch 1981	Summer/80	L III 133
Total	47325			

Double-crested Cormorant	?	Wick 1958	?/ ?/39-42	L III 279
Double-crested Cormorant	0	Richardson & Eddy	?/ ?/56	? III 231
Double-crested Cormorant	0	Richardson & Eddy	?/ ?/57	? III 231
Double-crested Cormorant	0	Richardson & Eddy	?/ ?/58	? III 231
Double-crested Cormorant	6-8	Richardson & Eddy	?/ ?/59	? II 231
Double-crested Cormorant	24	Richardson & Eddy	?/ ?/60	? II 231
Double-crested Cormorant	?	Wahl	07/10/66	L II 269
Double-crested Cormorant	6	Frazer 1973	06/16&07/11/73	L I 108
Double-crested Cormorant	0	Wilson 1977	Summer/75	L III 285
Double-crested Cormorant	0	Wilson 1977	Summer/76	L III 285
Double-crested Cormorant	0	Pitman	06/13/78	L III 217
Double-crested Cormorant	0	Speich	08/07/79	B III 255
Double-crested Cormorant	16	Hirsch 1981	Summer/80	L I 133
Pelagic Cormorant	X	Wick 1958	?/ ?/39-42	L III 279
Pelagic Cormorant	140	Eddy	06/09-10/55	L II 95
Pelagic Cormorant	200	Richardson	09/08/56	L III 229
Pelagic Cormorant	P	Wahl	07/11/65	L III 269
Pelagic Cormorant	P	Wahl	07/10/66	L III 269
Pelagic Cormorant	218	Frazer 1973	06/16&07/11/73	L I 108
Pelagic Cormorant	388	Wilson 1977	Summer/75	L II 285
Pelagic Cormorant	388	Wilson 1977	Summer/76	L II 285
Pelagic Cormorant	>100	Harrington-Tweit	05/25/78	? III 124
Pelagic Cormorant	590	Pitman	06/13/78	L I 217
Pelagic Cormorant	400+	Ragan	06/24/79	? III 220
Pelagic Cormorant	584	Speich	08/07/79	B I 255
Pelagic Cormorant	590	Hirsch 1981	Summer/80	L I 133
Pelagic Cormorant	664	Galusha 1982	Summer/80	L I 111
Black Oystercatcher	4	Wahl	07/11/65	L III 269
Black Oystercatcher	0?	Wahl	07/21/68	L III 269
Black Oystercatcher	P	Wahl	07/18/71	L III 269
Black Oystercatcher	2	Wahl	07/25/71	L III 269
Black Oystercatcher	2	Frazer 1973	06/16&07/11/73	L III 108
Black Oystercatcher	12	Wilson 1977	Summer/75	L III 285
Black Oystercatcher	12	Wilson 1977	Summer/76	L III 285
Black Oystercatcher	4-8	Pitman	06/13/78	L III 217
Black Oystercatcher	21	Ragan	06/24/79	? III 220
Black Oystercatcher	2	Speich	08/07/79	B III 255
Black Oystercatcher	26	Hirsch 1981	Summer/80	L I 133
Black Oystercatcher	35	Galusha 1982	Summer/80	L III 111
Glaucous-winged Gull	X	Wick 1958	?/ ?/39-42	L III 279
Glaucous-winged Gull	1200+	Eddy	06/05/55	L III 95



Protection Island, east spit (156035) 19 November 1979 S.M. Speich

## AREA 156, Victoria (cont'd.)

Glaucous-winged Gull	1500+	Eddy	06/09-10/55	L III	95
Glaucous-winged Gull	2	Eddy	07/10/55	S -	96
Glaucous-winged Gull	X	Richardson 1961	Summer/56	L III	227
Glaucous-winged Gull	X	Richardson 1961	Summer/57	L III	227
Glaucous-winged Gull	100's	Richardson	05/19/57	L III	229
Glaucous-winged Gull	1180B	Schultz; B.B.L.	07/ ?/57	L III	245;28
Glaucous-winged Gull	X	Richardson 1961	Summer/58	L III	227
Glaucous-winged Gull	1	Schultz	05/04/58	S -	246
Glaucous-winged Gull	120B	Schultz; B.B.L.	07/ ?/58	L III	245;28
Glaucous-winged Gull	X	Richardson 1961	Summer/59	L III	227
Glaucous-winged Gull	1520B	Schultz; B.B.L.	07/ ?/60	L III	245;28
Glaucous-winged Gull	X	Schultz	?/ ?/61	? ?	245
Glaucous-winged Gull	2	Anderson	05/17/63	E -	12
Glaucous-winged Gull	100's	Anderson	05/17/63	L III	11
Glaucous-winged Gull	1430B	B.B.L.; Schultz	07/ ?/64	L III	28;245
Glaucous-winged Gull	2090B	B.B.L.; Schultz	07/11/65	L III	28;269;245
Glaucous-winged Gull	2450B	B.B.L.; Wahl; Schultz	07/10/66	L III	28;269;245
Glaucous-winged Gull	1870B	B.B.L.; Wahl	07/16/67	L III	28;269
Glaucous-winged Gull	3030B	B.B.L.; Wahl	07/21/68	L III	28;269
Glaucous-winged Gull	4060B	B.B.L.; Wahl	07/20&27/69	L III	28;269
Glaucous-winged Gull	4070B	B.B.L.; Wahl	07/19&26/70	L III	28;269
Glaucous-winged Gull	3690B	B.B.L.; Wahl	07/18&25/71	L III	28;269
Glaucous-winged Gull	2360B	B.B.L.; Wahl	07/15/72	L III	28;269
Glaucous-winged Gull	3300	Frazer 1973	06/16&07/11/73	L III	108
Glaucous-winged Gull	1570B	B.B.L.; Wahl	07/ ?/73	L III	28;269
Glaucous-winged Gull	1600B	B.B.L.; Wahl	07/14/74	L III	28;269
Glaucous-winged Gull	8600	Wilson 1977	Summer/75	L III	285
Glaucous-winged Gull	1830B	B.B.L.; Wahl	07/13/75	L III	28;269
Glaucous-winged Gull	8600	Wilson 1977	Summer/76	L III	285
Glaucous-winged Gull	2060B	B.B.L.; Wahl	07/11/76	L III	28;269
Glaucous-winged Gull	2600-3000	Pitman	06/13/78	L III	217
Glaucous-winged Gull	1210B	B.B.L.; Wahl	07/07/78	L III	28;269
Glaucous-winged Gull	>1880	Speich	08/07/79	B III	255
Glaucous-winged Gull	1860B	Wahl	07/13/80	L III	269
Glaucous-winged Gull	9488	Hirsch 1981	Summer/80	L III	133
Glaucous-winged Gull	9960	Galusha 1982	Summer/80	L III	111
Glaucous-winged Gull	1600B	Wahl	07/12/81	L III	269
Pigeon Guillemot	X	Suckley	Summer/1854	? III	260
Pigeon Guillemot	60-70	Pennington	06/16/23	L III	215
Pigeon Guillemot	P	Wick 1958	?/ ?/39-42	L III	279
Pigeon Guillemot	200+	Eddy	06/09-10/55	L III	95
Pigeon Guillemot	X	Richardson 1961	Summer 56-59	L III	227
Pigeon Guillemot	2	Pemberton	06/16/56	E -	210
Pigeon Guillemot	2B	B.B.L.	07/ ?/60	L III	28
Pigeon Guillemot	X	Wahl	07/11/65	L III	269
Pigeon Guillemot	X	Wahl	07/10/66	L III	269
Pigeon Guillemot	X	Wahl	07/21/68	L III	269
Pigeon Guillemot	2B	B.B.L.	06/ ?/72	L III	28
Pigeon Guillemot	50-60	Frazer 1973	06/16&07/11/73	L III	108
Pigeon Guillemot	360	Wilson 1977	Summer 75-76	L III	285
Pigeon Guillemot	526	Harrington-Tweit; Hills			
			05/25/78	A III	124;132
Pigeon Guillemot	285	Pitman	06/13/78	L III	217

Pigeon Guillemot	605	Speich	05/23/79	B III 255
Pigeon Guillemot	162	Speich & Wahl	06/25/79	A III 257
Pigeon Guillemot	652	Speich	08/07/79	B III 255
Pigeon Guillemot	608	Hirsch 1981	Summer/80	L III 133
Pigeon Guillemot	635	Galusha 1982	Summer/80	L III 111
Rhinoceros Auklet	X	Suckley	Summer/1854	? III 260
Rhinoceros Auklet	X	Pennington	06/16/23	L III 215
Rhinoceros Auklet	X	Wick 1958	? / ?/39-42	L III 279
Rhinoceros Auklet	2000+	Eddy	06/09-10/55	L III 95
Rhinoceros Auklet	1	Hudson	06/17/56	S - 149
Rhinoceros Auklet	4	Goodge	07/09/55	S - 116
Rhinoceros Auklet	2	[Eddy]	07/10/55	S - 96
Rhinoceros Auklet	6000-8000	Richardson 1961	Summer/56-59	L III 227
Rhinoceros Auklet	2	Richardson	04/01/56	S - 230
Rhinoceros Auklet	2	Miller	06/17/56	S - 197
Rhinoceros Auklet	XB	B.B.L.	04-08/ ?/57	L III 28
Rhinoceros Auklet	XB	B.B.L.	04-08/ ?/58	L III 28
Rhinoceros Auklet	1	[Eddy]	05/04/58	S - 96
Rhinoceros Auklet	XB	B.B.L.	07/ ?/59	L III 28
Rhinoceros Auklet	10	Griffée	05/17/63	E - 121
Rhinoceros Auklet	2	Anderson	05/17/63	E - 12
Rhinoceros Auklet	XB	B.B.L.	06/ ?/63	L III 28
Rhinoceros Auklet	2	Bédard	06/29/65	S - 23
Rhinoceros Auklet	X	Wahl	07/11/65	L III 269
Rhinoceros Auklet	X	Wahl	07/10/66	L III 269
Rhinoceros Auklet	X	Wahl	07/16/67	L III 269
Rhinoceros Auklet	X	Wahl	07/21/68	L III 269
Rhinoceros Auklet	XB	B.B.L.	06-07/ ?/72	L III 28
Rhinoceros Auklet	XB	B.B.L.	08/ ?/73	L III 28
Rhinoceros Auklet	18400	Frazer 1973	06/16&07/11/73	L III 108
Rhinoceros Auklet	25000	Robel 1973	07/01-07/73	L III 234
Rhinoceros Auklet	2	Robel	07/05/73	E - 235
Rhinoceros Auklet	XB	B.B.L.	06-08/ ?/75	L III 28
Rhinoceros Auklet	34216	Wilson 1977	Summer/76	L III 285
Rhinoceros Auklet	XB	B.B.L.	08/ ?/76	L III 28
Rhinoceros Auklet	1000's	Pitman	06/13/78	L III 217
Rhinoceros Auklet	XB	B.B.L.	07/ ?/78	L III 28
Rhinoceros Auklet	12	Alcorn	07/14/81	E - 8
Tufted Puffin	80-100	Pennington	06/16/23	L III 215
Tufted Puffin	140	Eddy	06/09-10/55	L III 95
Tufted Puffin	X	Richardson 1961	Summer/56-59	L III 227
Tufted Puffin	X	Wahl	07/10/66	L III 269
Tufted Puffin	X	Wahl	07/16/67	L III 269
Tufted Puffin	X	Wahl	07/21/68	L III 269
Tufted Puffin	0	Wahl	07/25/71	L III 269
Tufted Puffin	60-70	Frazer 1973	06/16-07/11/73	L III 108
Tufted Puffin	66	Wilson 1977	Summer/75-76	L III 285
Tufted Puffin	70-100	Pitman	06/13/78	L III 217
Tufted Puffin	40	Speich	08/07/79	B III 255
Tufted Puffin	76	Hirsch 1981	Summer/80	L I 133
Tufted Puffin	32	Galusha 1982	Summer/80	L I 111

<sup>1</sup>Numbers from Wilson 1977.

AREA 156, Victoria (cont'd.)

(036)

Point Roberts, west  $48^{\circ}59'02''N$ ,  $123^{\circ}05'04''W$

Pigeon Guillemot	2	Wahl	06/04/79	L III 269
Pigeon Guillemot	1	Wahl	06/12/78	L III 269

(037)

Point Roberts, southeast  $48^{\circ}58'30''N$ ,  $123^{\circ}01'30''W$

Pigeon Guillemot	1	Wahl	06/04/79	L III 269
Pigeon Guillemot	4	Wahl	05/30/78	L III 269

(038)

Semiahmoo Spit  $48^{\circ}59'27''N$ ,  $122^{\circ}46'08''W$

Pigeon Guillemot	2	Wahl	04/19/80	L III 269
Glaucous-winged Gull	2	Kline	06/31-07/10/64	L I 170
Pigeon Guillemot	1	Wahl	06/01/79	L III 269

(039)

Blaine  $48^{\circ}59'18''N$ ,  $122^{\circ}45'19''W$

Glaucous-winged Gull	2	Wahl	06/13/67	M I 269
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(040)

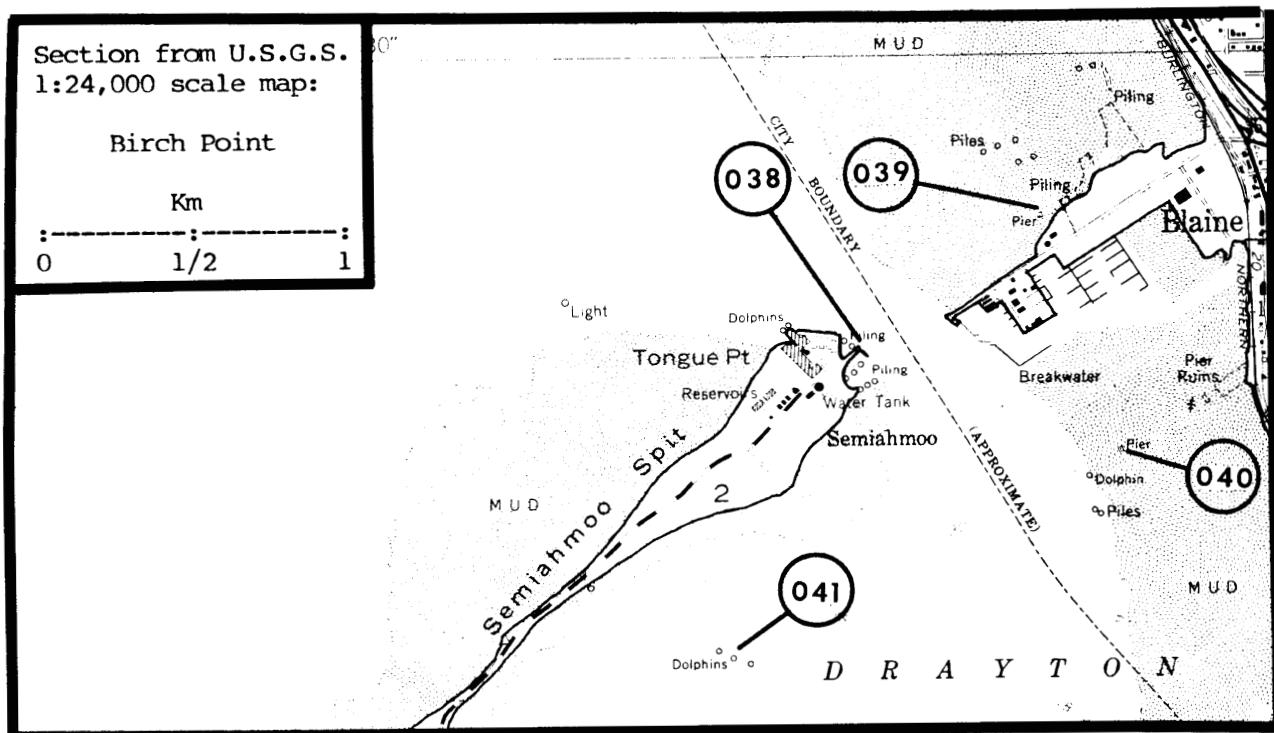
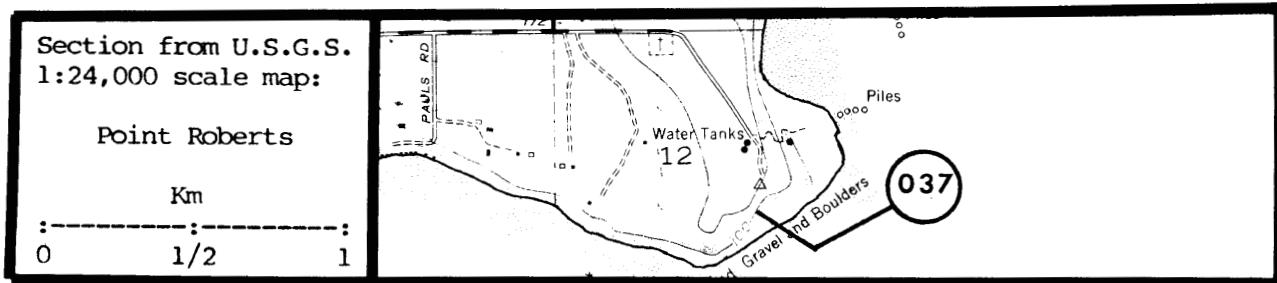
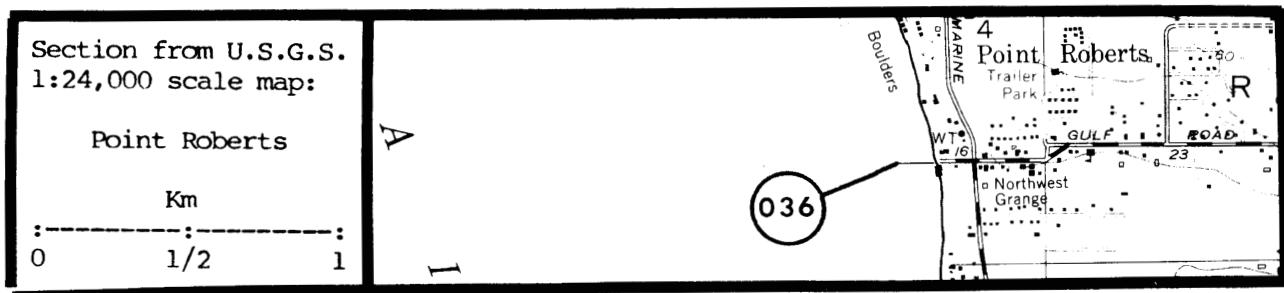
Drayton Harbor, northeast  $48^{\circ}59'45''N$ ,  $122^{\circ}45'36''W$

Glaucous-winged Gull	2	Wahl	07/16/82	M II 269
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(041)

Drayton Harbor, southwest  $48^{\circ}58'50''N$ ,  $122^{\circ}46'25''W$

Double-crested Cormorant	6-8	Wahl	07/16/82	M I 269
Double-crested Cormorant	0	Wahl	Summer/78	M III 269
Double-crested Cormorant	0	Wahl	Summer/79	M III 269



AREA 156, Victoria (cont'd.)

(042)

Point Whitehorn, north    48°53'40"N, 122°47'00"W

Pigeon Guillemot	4	Wahl	04/19/80	M III 269
Pigeon Guillemot	16	Wahl	06/01/79	M III 269

(043)

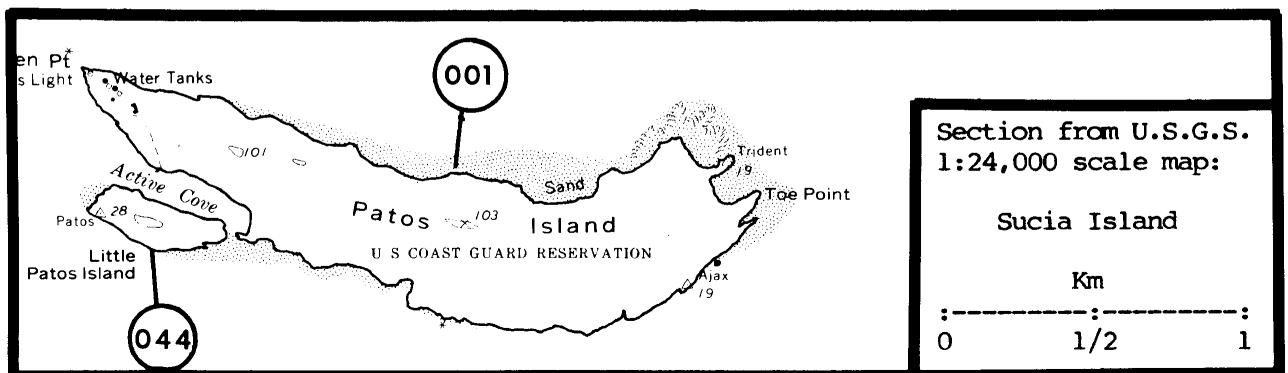
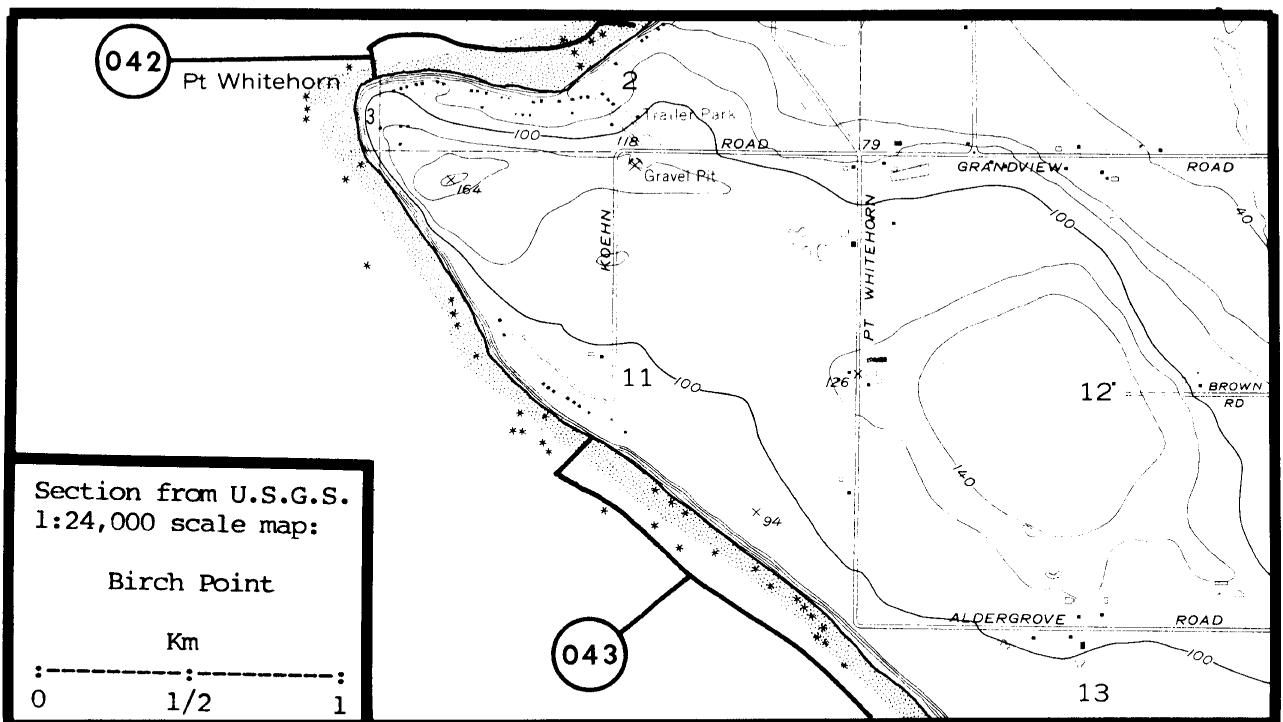
Point Whitehorn, south    48°53'00"N, 122°46'30"W

Pigeon Guillemot                  1    Wahl                  06/08/78                  L III 269

(044)

Patos Island, Little    48°47'06"N, 122°58'00"W

No Nesting Observed              0    Speich & Wahl              06/05/78              B III 257



AREA 156, Victoria (cont'd.)

045

Sucia Island, complex 48°45'30"N, 122°54'00"W

Pigeon Guillemot	620	Speich & Wahl	06/05/78 <sup>1</sup>	B III	257
Black Oystercatcher	4	Randolph	06/08/1886	E -	222
Glaucous-winged Gull	2	Randolph	06/08/1886	E -	222
Tufted Puffin	2	Randolph	06/08/1886	E -	222
Tufted Puffin	2	Johnson	06/08/1886	E -	160

<sup>1</sup>Total shoreline and nearshore survey of Sucia Island complex.

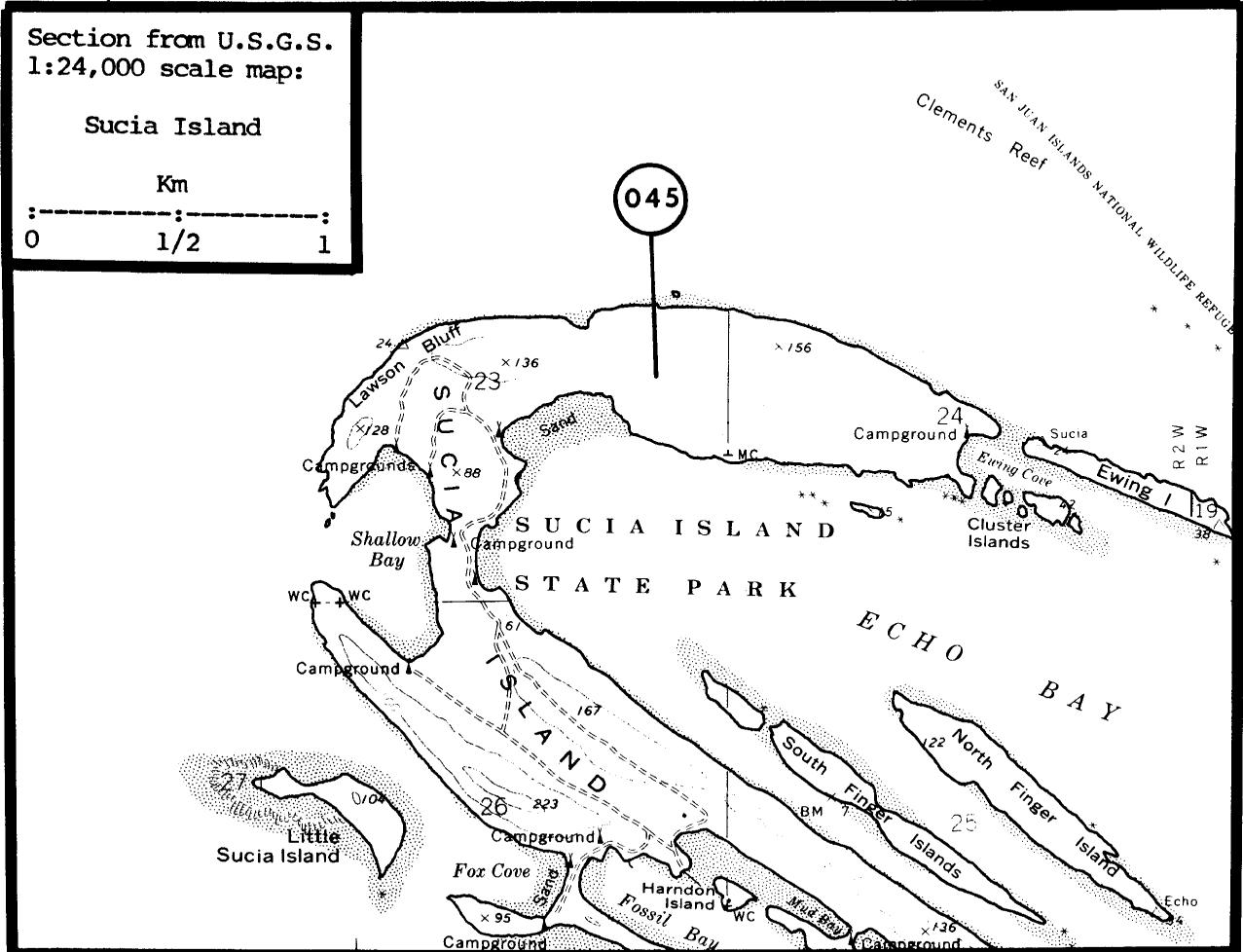


Protection Island (156035) 19 November 1979 S.M. Speich

Section from U.S.G.S.  
1:24,000 scale map:

Sucia Island

Km  
0 1/2 1

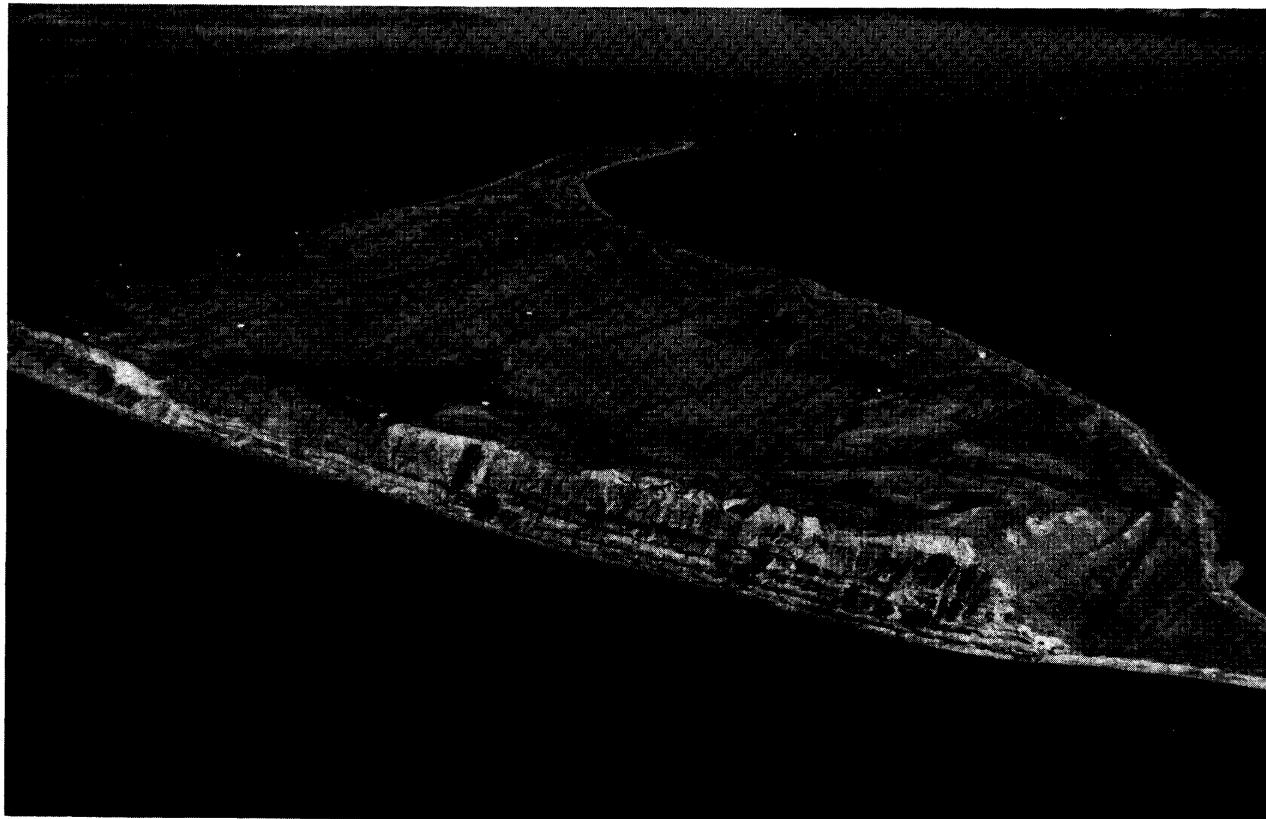


AREA 156, Victoria (cont'd.)

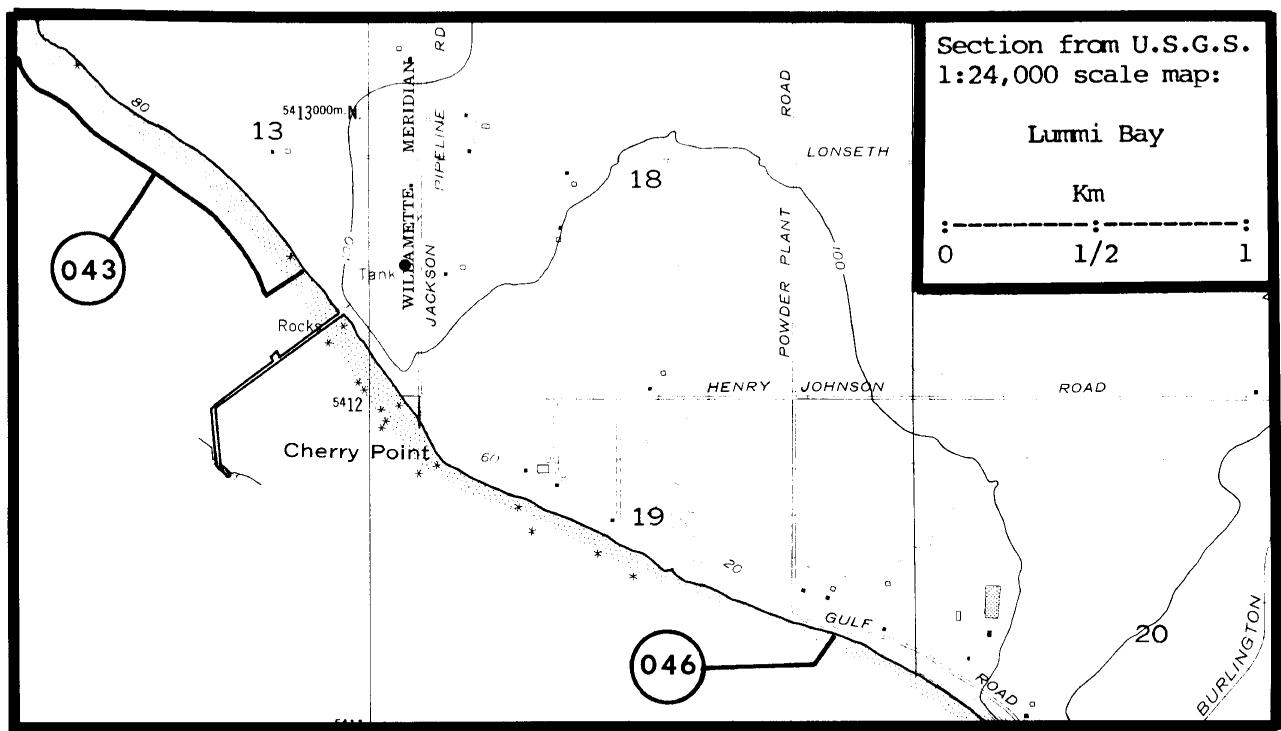
(046)

Cherry Point 48°51'24"N, 122°43'53"W

Pigeon Guillemot	4	Wahl	04/19/80	L II 269
Pigeon Guillemot	1	Wahl	06/01/79	L III 269



Protection Island (156035) 19 November 1979 S.M. Speich



AREA 156, Victoria (cont'd.)

(047)

Bellingham Bay, waterfront north 48°45'20"N, 122°30'00"W

Glaucous-winged Gull	34+	Walker; Wahl	07/16/82	L III 272;269
Glaucous-winged Gull	2	Wahl	07/05/65	L III 269
Glaucous-winged Gull	X	Wahl	07/21/71	L III 269
Glaucous-winged Gull	100-150	Wahl	07/26/72	L III 269
Pigeon Guillemot	2	Booth <sup>1</sup>	06/14/22	E - 36

<sup>1</sup>Exact location unknown.

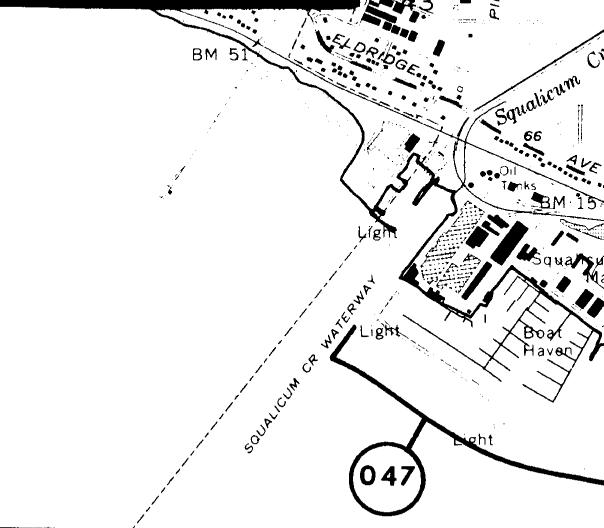


Protection Island (156035) 19 November 1979 S.M. Speich

Section from U.S.G.S.  
1:24,000 scale map:

## Ferndale

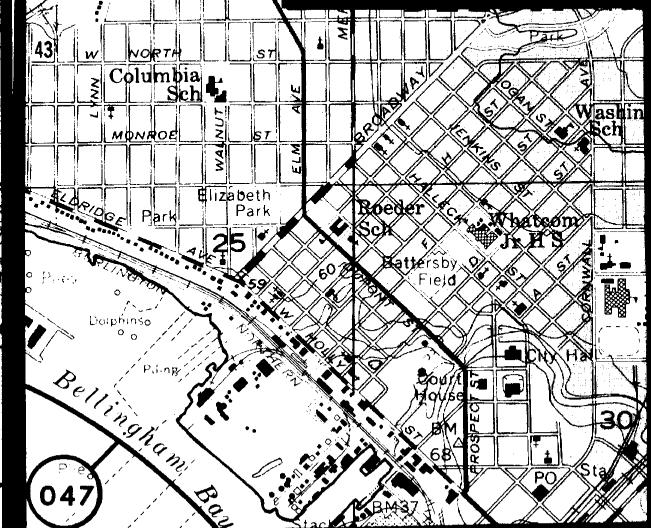
Km



Section from U.S.G.S.  
1:24,000 scale map:

Bellingham North

Km

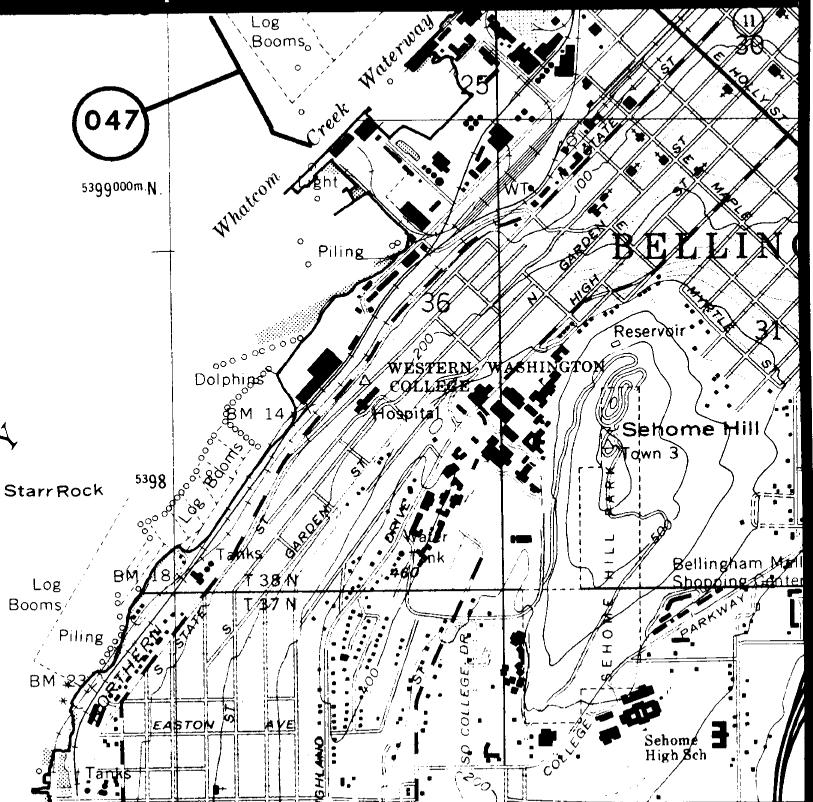


Section from U.S.G.S.  
1:24,000 scale map:

## Bellingham South

Km

-----:  
0            1/2            1



AREA 156, Victoria (cont'd.)

048

Stuart Island, Turn Point  $48^{\circ}41'20"N, 123^{\circ}14'18"W$

Black Oystercatcher	1	Pitman	06/22/78	B III 217
Pelagic Cormorant	8-12	Drent	08/27/60	B III 92
Glaucous-winged Gull	2-12	Drent	08/27/60	B III 92
Pigeon Guillemot	25	Drent	05/07/60	B III 92
Pigeon Guillemot	50	Drent	08/27/60	B III 92

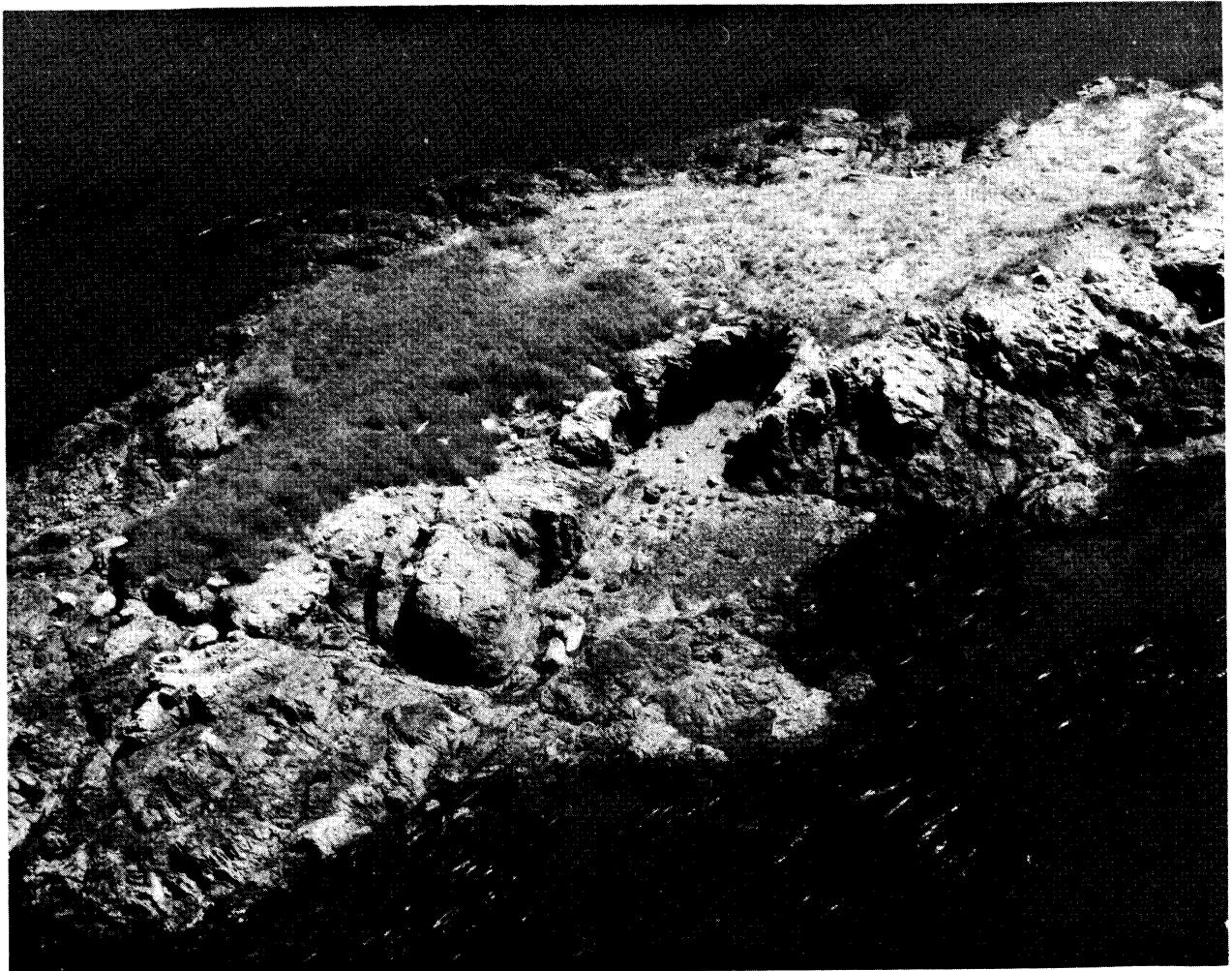
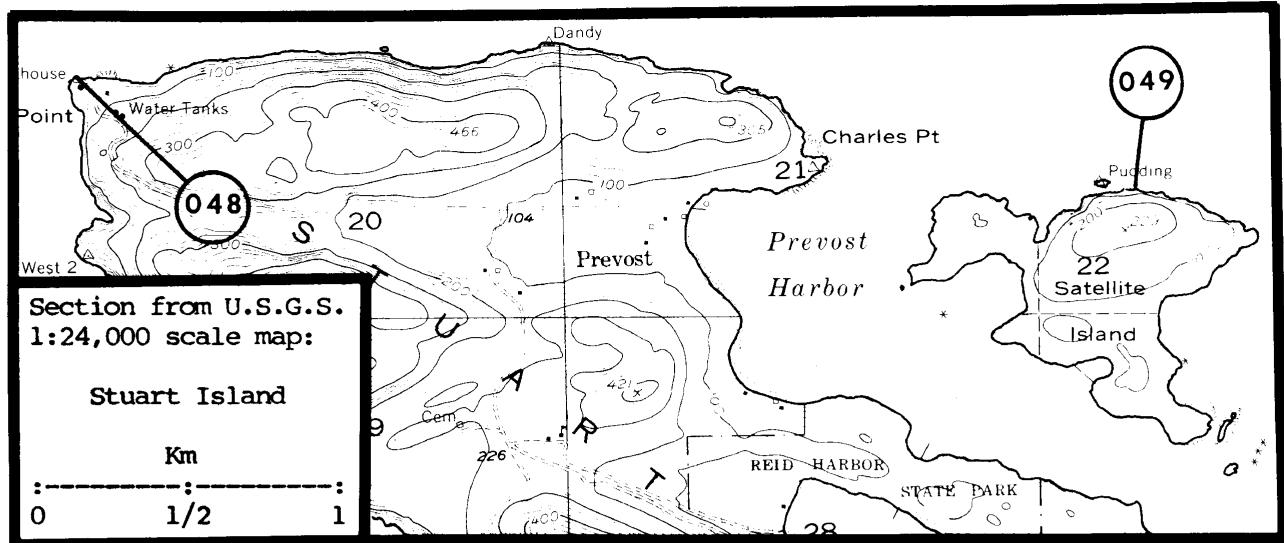
049

Satellite Island  $48^{\circ}41'00"N, 123^{\circ}11'20"W$

Pigeon Guillemot	4	Pitman	06/22/78	B III 217
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Peapod, North (156009) USF&WS



Peapod, South (156010) USFWS

AREA 156, Victoria (cont'd.)

(050)

"Unnamed Rock" 48°39'54"N, 123°10'24"W

Black Oystercatcher	2	Pitman	06/22/78	B III 217
Pigeon Guillemot	5	Pitman	06/22/78	B III 217
Total	<u>7</u>			

(051)

Gossip Island 48°39'47"N, 123°10'17"W

No Nesting Observed	0	Pitman	06/22/78	B III 217
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(052)

Gull Reef, west 48°39'17"N, 123°08'44"W

Black Oystercatcher	2	Pitman	06/22/78	B III 217
No Nesting Observed	0	Manuwal 1977	?/ ?/73-75	B III 187

(053)

"Unnamed Rock" 48°39'13"N, 123°08'31"W

No Nesting Observed	0	Pitman	06/22/78	B III 217
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(054)

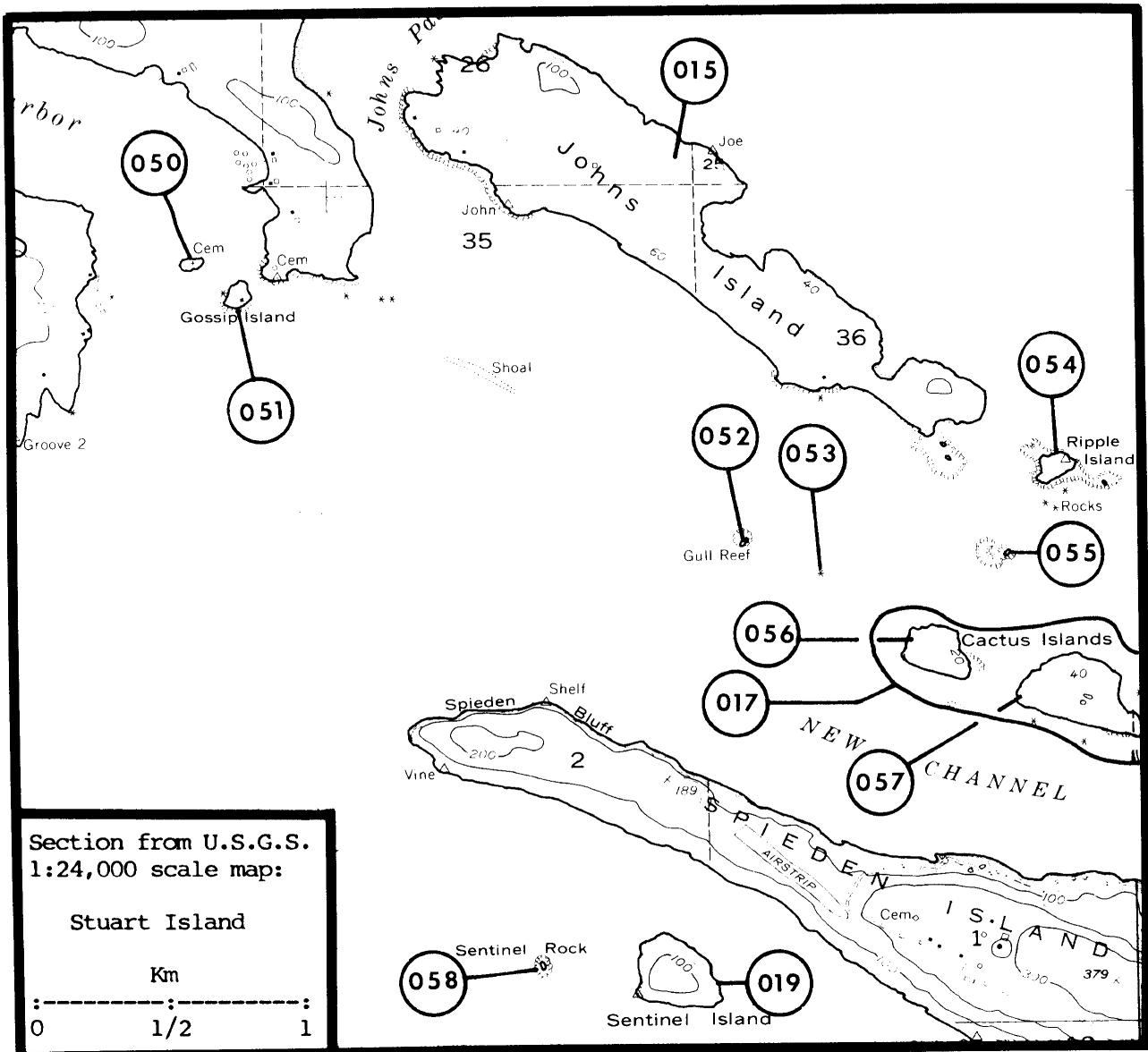
Ripple Island 48°39'26"N, 123°07'47"W

No Nesting Observed	0	Pitman	06/22/78	B III 217
Black Oystercatcher	1	Eddy 1975	06/14/75	L III 94
Black Oystercatcher	N	Nysewander	06/14/75	L III 205

(055)

"Unnamed Rock" 48°39'15"N, 123°07'55"W

Black Oystercatcher	2	Pitman	06/22/78	B III 217
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## AREA 156, Victoria (cont'd.)

(056)

Cactus Island, west  $48^{\circ}39'04"N, 123^{\circ}08'10"W$ 

No Nesting Observed	0	Pitman	06/22/78	B III 217
Pigeon Guillemot	3	Wahl; Harrington-Tweitt	05/24/78	A III 269;124

(057)

Cactus Island, east  $48^{\circ}39'07"N, 123^{\circ}07'43"W$ 

Pigeon Guillemot	30	Pitman	06/22/78	B III 217
Black Oystercatcher	1	Frazer 1973	07/16/73	B III 108
Pigeon Guillemot	15P	Frazer 1973	07/16/73	B III 108
No Nesting Observed	0	Eddy 1975	06/14/75	B III 94

(058)

Sentinel Rock  $48^{\circ}38'25"N, 123^{\circ}09'22"W$ 

No Nesting Observed	0	Pitman	06/22/78	B III 217
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(059)

"Unnamed Rock"  $48^{\circ}40'10"N, 123^{\circ}04'15"W$ 

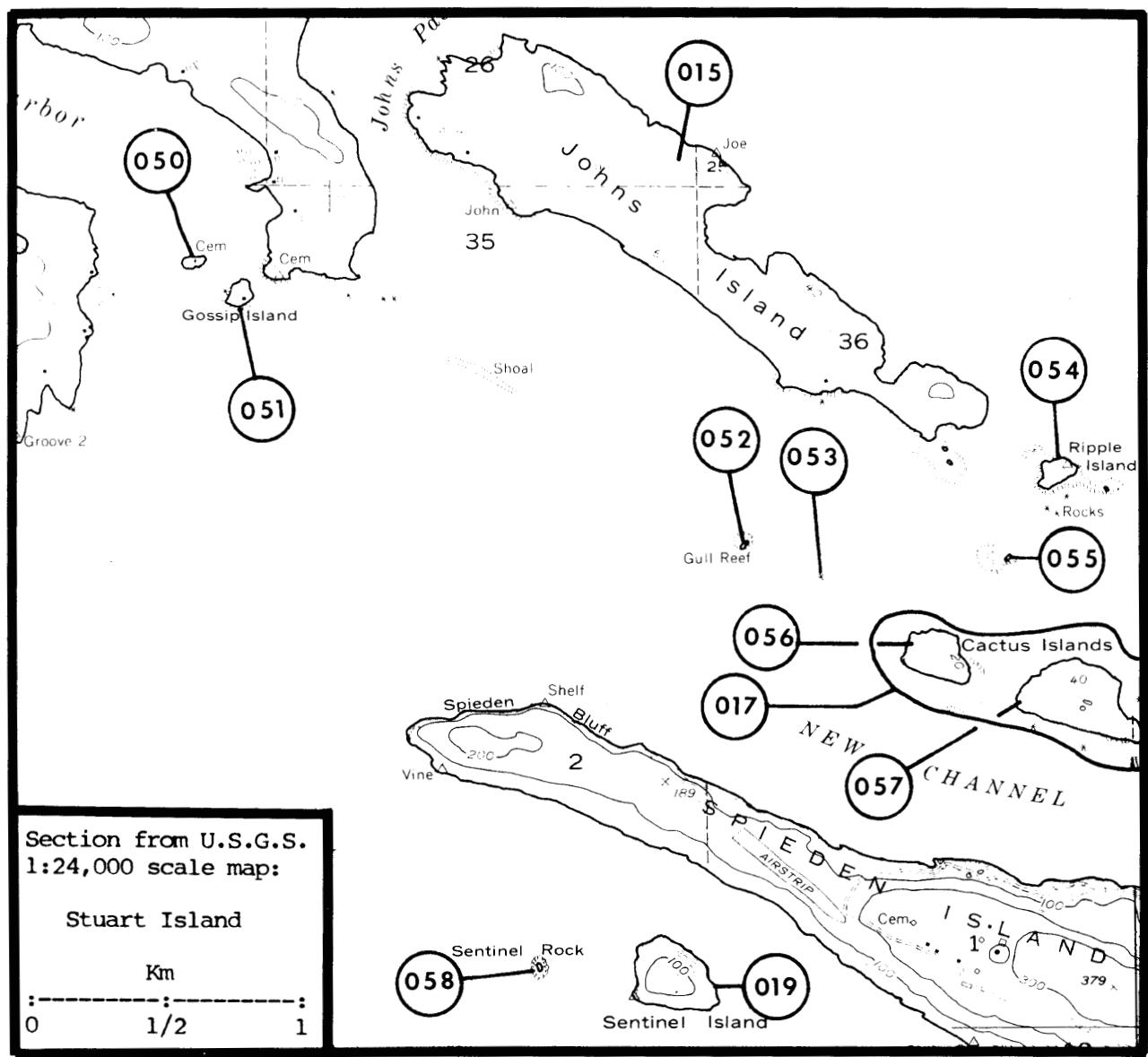
Glaucous-winged Gull	20	Pitman	06/22/78	B III 217
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(060)

Danger Rocks<sup>1</sup>  $48^{\circ}39'51"N, 123^{\circ}04'00"W$ 

Glaucous-winged Gull	X	Nisqually NWR	06/27/70	B III 202
Black Oystercatcher	P	Edson 1929	06/20/05	L III 98
Black Oystercatcher	2	Edson 1929	06/24/05	L III 98
Black Oystercatcher	2	Edson 1929	06/26/05	L III 98
Glaucous-winged Gull	4	Edson 1929	06/24/05	L III 98
Glaucous-winged Gull	250	Manuwal 1973; Manuwal	05/27/73	B III 186;188
Pigeon Guillemot	X	Edson 1929	06/24/05	L III 98
Pigeon Guillemot	14	Manuwal 1973; Manuwal	05/27/73	B III 186;188
Tufted Puffin	?	Edson 1929	06/24/05	L III 98

<sup>1</sup>This site regularly goes under water with high tide. It appears there has been some confusion regarding this site.

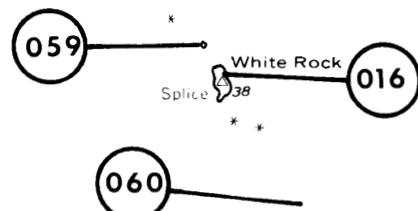


Section from U.S.G.S.  
1:24,000 scale map:

**Waldron Island**

Km

0	1/2	1
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AREA 156, Victoria (cont'd.)

(061) "Unnamed Rock" 48°38'52"N, 123°07'34"W

No Nesting Observed 0 Wahl; Paulson 06/06/79 A III 269;207

(062) Parker Reef<sup>1</sup> 48°43'40"N, 122°53'42"W

Black Oystercatcher 2? Nisqually NWR 08/06/80 B III 202

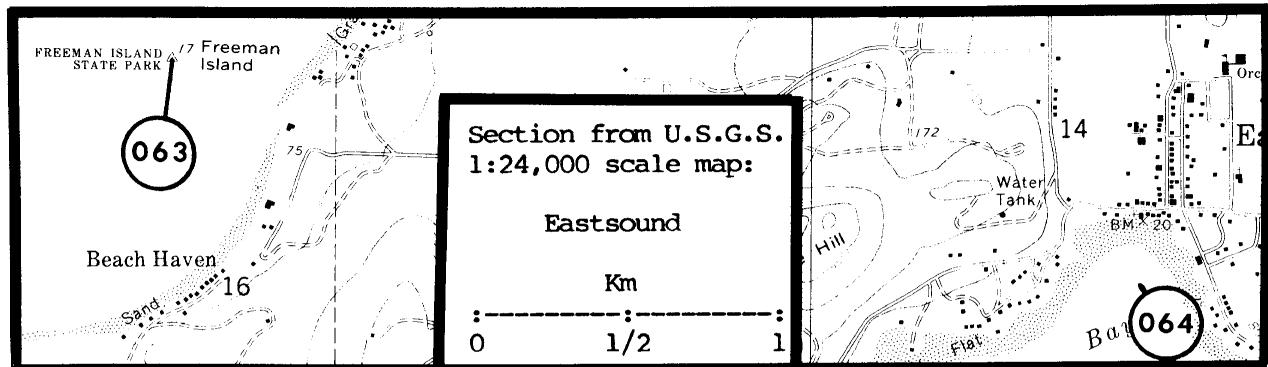
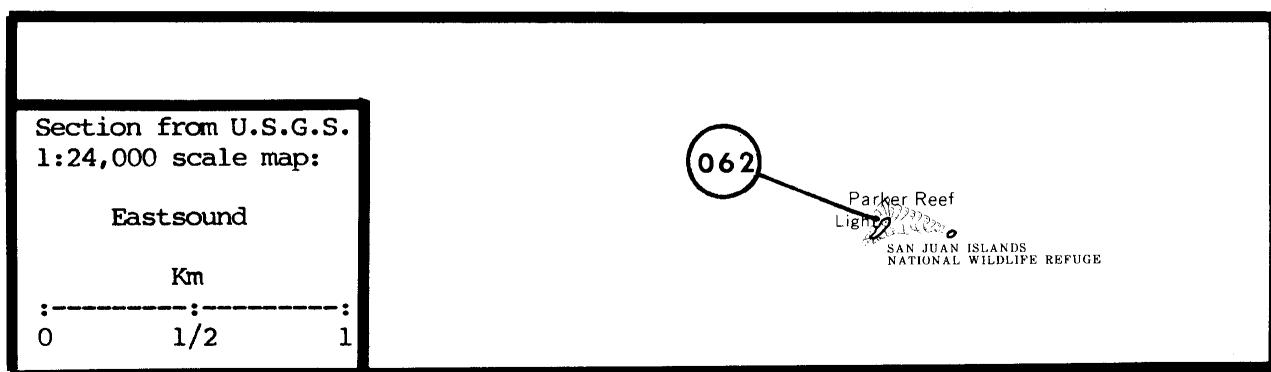
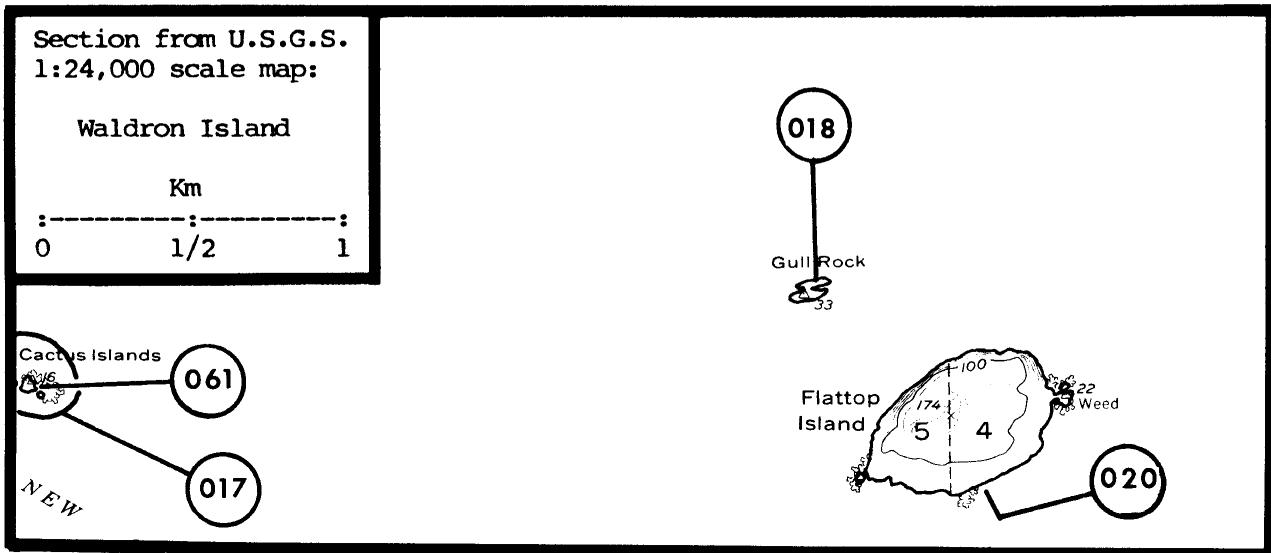
<sup>1</sup>This site regularly goes under water with high tide. Nesting is questionable.

(063) Freeman Island 48°41'55"N, 122°57'00"W

No Nesting Observed 0 Wahl; Paulson 06/06/79 A III 269;207

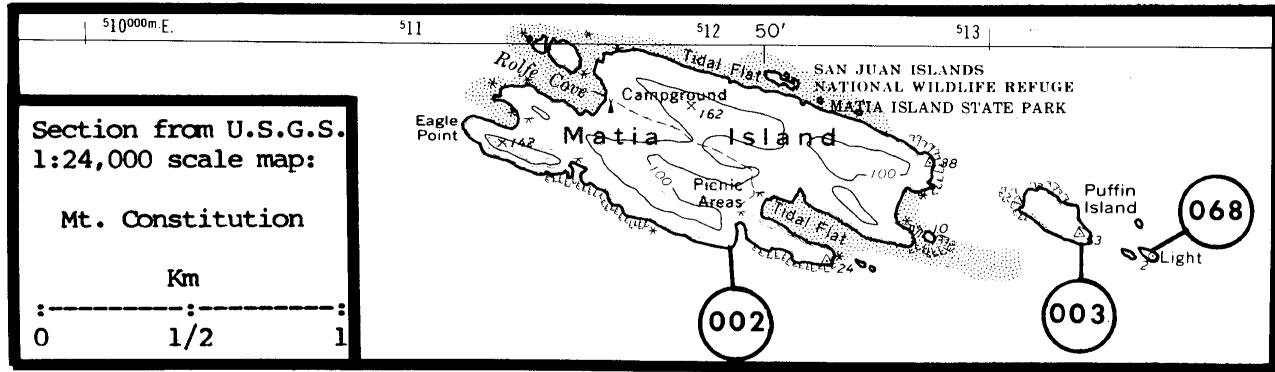
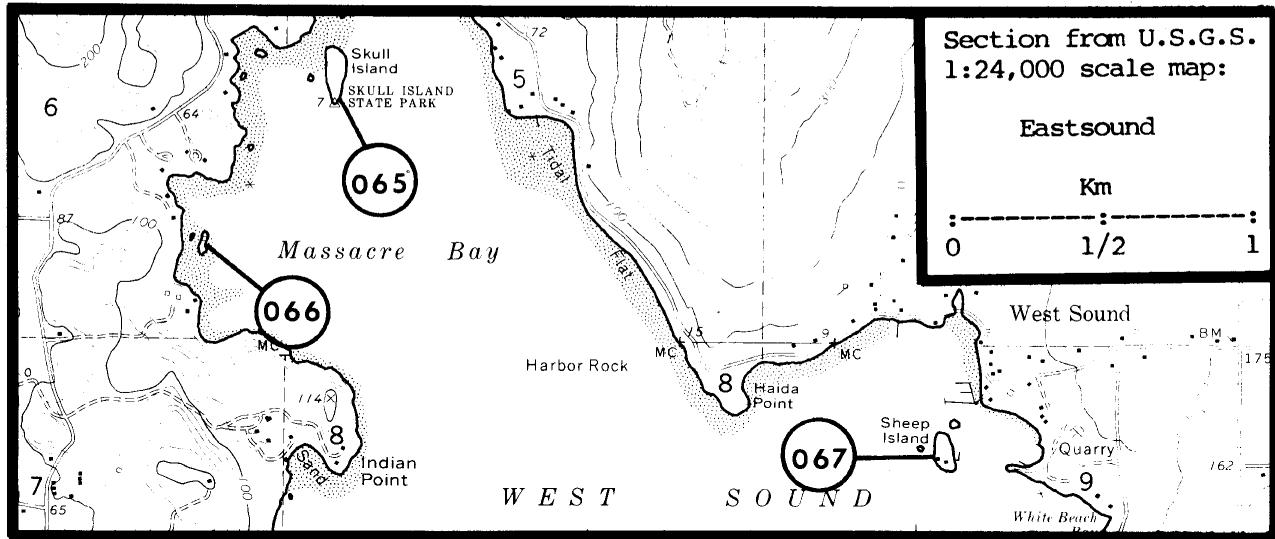
(064) "Unnamed Rock" 48°41'40"N, 122°54'23"W

No Nesting Observed 0 Wahl 06/02/79 M III 269



AREA 156, Victoria (cont'd.)

(065)	Skull Island	48°38'22"N, 122°59'07"W		
No Nesting Observed	0	Pitman	06/24/78	B III 217
(066)	"Unnamed Rock"	48°38'02"N, 122°59'28"W		
No Nesting Observed	0	Wahl	06/02/79	M III 269
(067)	Sheep Island	48°37'19"N, 122°57'25"W		
No Nesting Observed	0	Pitman	06/24/78	B III 217
(068)	"Unnamed Rock"	48°44'36"N, 122°48'53"W		
No Nesting Observed	0	Wahl; Paulson	06/06/79	A III 269;207



## AREA 156, Victoria (cont'd.)

(069) Clark Island 48°42'08"N, 122°45'48"W

Pigeon Guillemot 13 Wahl; Paulson 07/06/78 A III 269;207

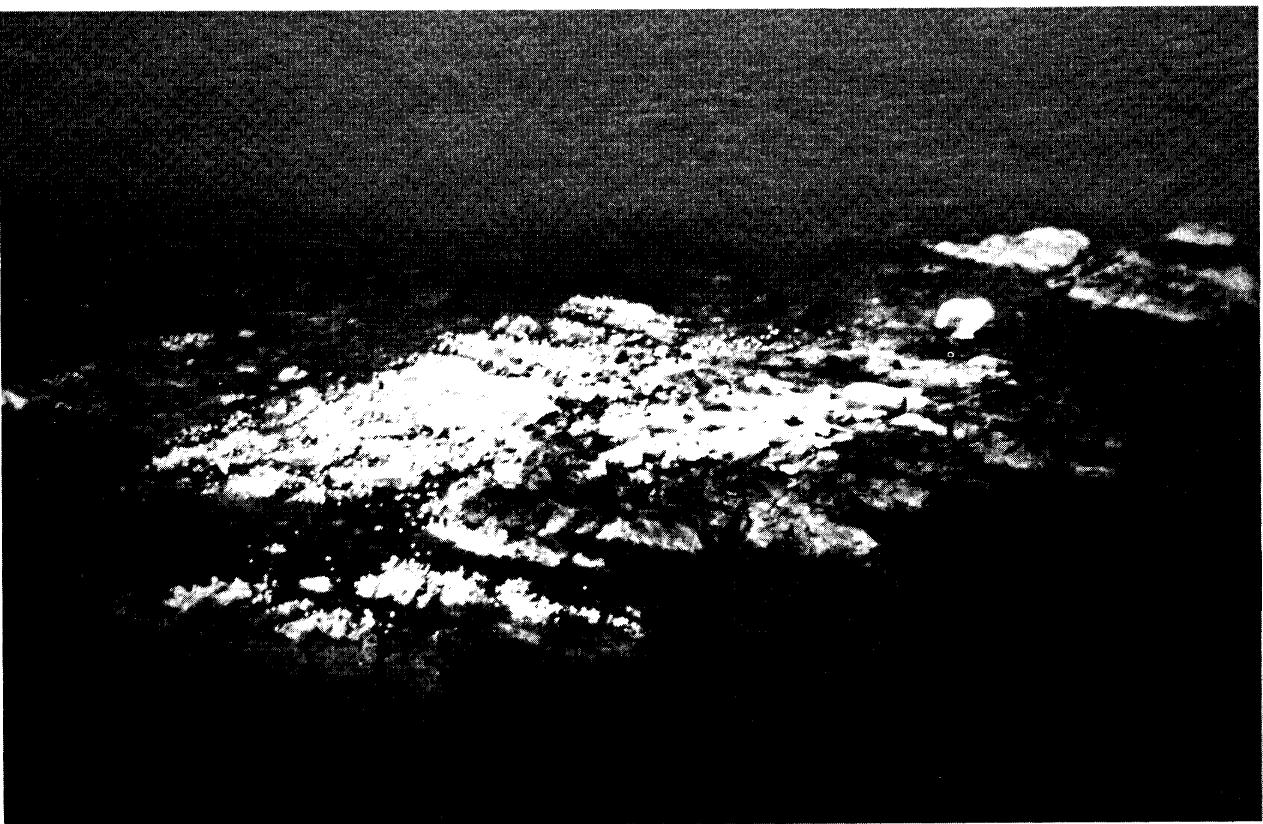
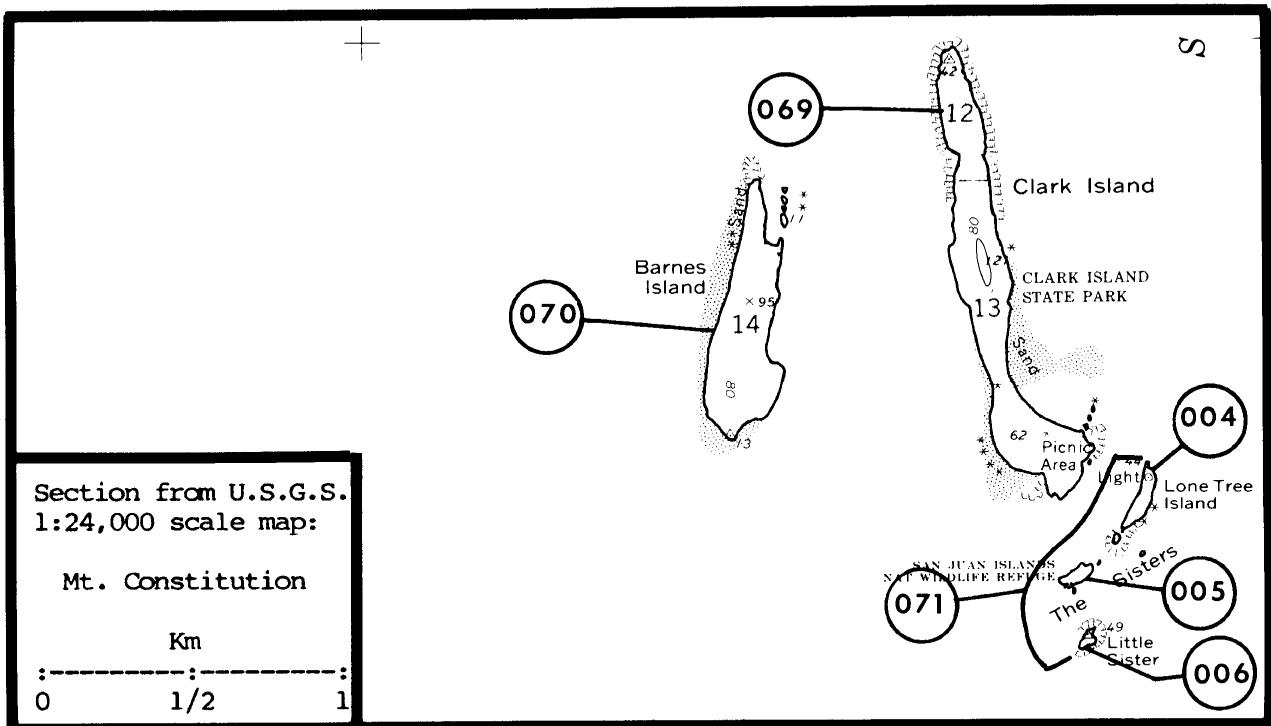
(070) Barnes Island 48°42'00"N, 122°46'24"W

Pigeon Guillemot 14 Wahl; Paulson 07/06/78 A III 269;207

(071) Sisters, The 48°41'02"N, 122°45'30"W

Black Oystercatcher	2	Nisqually NWR	08/06/80	B III 202
Glaucous-winged Gull	X	Wahl	03/14/79	B III 269
Pigeon Guillemot	3	Wahl; Paulson	07/06/78	A III 269;207
Total	5			

Pelagic Cormorant	4	Nisqually NWR	06/20/63	B II 202
Pelagic Cormorant	19P	Hauser & Monson 1963	07/16-17/63	B III 145
Pelagic Cormorant	4	Washington Dep. Game	?/?/63	? ? 203
Black Oystercatcher	2	Nisqually NWR	06/20/63	B III 202
Black Oystercatcher	3	Hauser & Monson 1963	07/16-17/63	B III 145
Glaucous-winged Gull	300	Jewett 1937	05/26/37	B III 156
Glaucous-winged Gull	800	Nisqually NWR	06/20/63	B III 202
Glaucous-winged Gull	1600	Hauser & Monson 1963	07/16-17/63	B III 145
Pigeon Guillemot	60	Jewett 1937	05/26/37	B III 156
Pigeon Guillemot	2	Richardson	06/02/57	L III 229
Pigeon Guillemot	4	Nisqually NWR	06/20/63	B III 202
Pigeon Guillemot	14	Hauser & Monson 1963	07/16-17/63	B III 145
Tufted Puffin	2	Hauser & Monson 1963	07/16-17/63	B III 145



Peapod, Middle (156074) 19 July 1982 T.R. Wahl

AREA 156, Victoria (cont'd.)

(072)

Doe Island  $48^{\circ}38'00''N$ ,  $122^{\circ}47'12''W$

No Nesting Observed	0	Pitman	06/21/78	B III 217
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(073)

Peapod Rocks<sup>1</sup>  $48^{\circ}38'21''N$ ,  $122^{\circ}45'00''W$

Glaucous-winged Gull	X	Wahl	03/14/79	B III 269
Black Oystercatcher	6	Hauser & Monson 1963	07/16-17/63	B III 145
Black Oystercatcher	4	Nysewander	06/13/75	B III 205
Glaucous-winged Gull	2	Booth	06/21/24	E - 37
Glaucous-winged Gull	2	Booth	06/17/23	E - 38
Glaucous-winged Gull	700	Hauser & Monson 1963	07/16-17/63	B III 145

<sup>1</sup>Insufficient data to determine exact location. For additional records see Peapod, Middle (156074), Peapod, North (156009), and Peapod, South (156010).

(074)

Peapod, Middle<sup>1</sup>  $48^{\circ}38'24''N$ ,  $122^{\circ}45'01''W$

No Nesting Observed	0	Wahl	07/19/82	A III 269
No Nesting Observed	0	Jewett 1937	05/25/37	B III 156
No Nesting Observed	0	Pitman	06/21/78	B III 217
No Nesting Observed	0	Wahl	06/15/79	B III 269

<sup>1</sup>Rock awash at high tide stages.

(075)

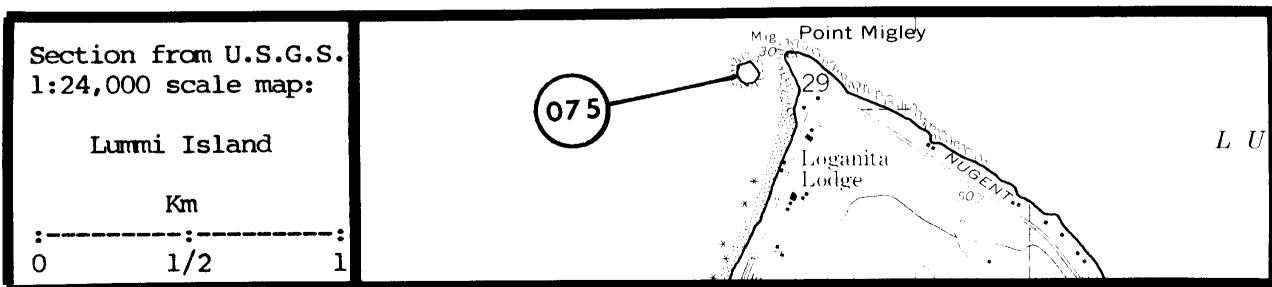
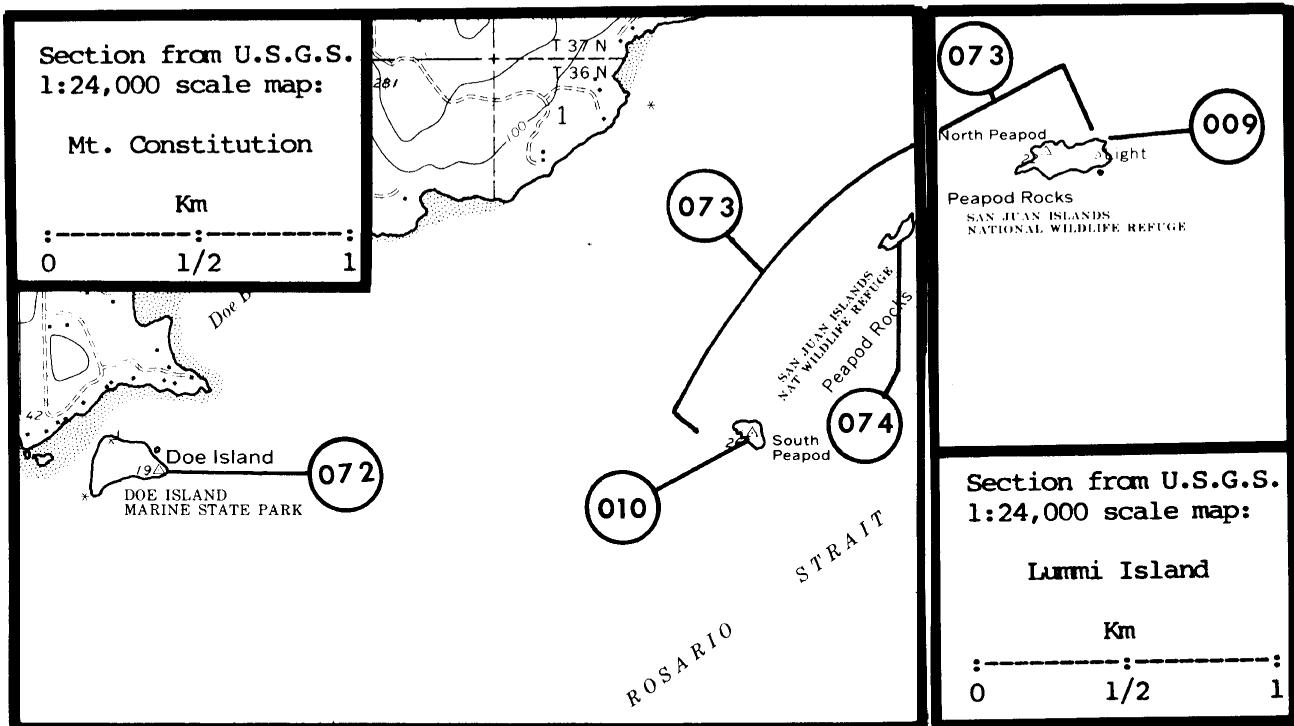
"Migley Rocks"  $48^{\circ}44'54''N$ ,  $122^{\circ}43'00''W$

Pigeon Guillemot	1	Speich & Wahl	06/05/78	B III 257
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(076)

Bellingham Bay, waterfront south  $48^{\circ}43'40''N$ ,  $122^{\circ}30'40''W$

Pigeon Guillemot	3	Batchelor	07/13/79	L III 22
Pigeon Guillemot	3	Wahl	05/31/78	L III 269
Pigeon Guillemot	5	Hemphill	06/27/78	L III 129
Pigeon Guillemot	5	Wahl	05/23/79	L III 269



AREA 156, Victoria (cont'd.)

(077)

Chuckanut Rock  $48^{\circ}41'05''N$ ,  $122^{\circ}30'05''W$

Black Oystercatcher	2	Benedict	06/25/82	B	II	26
Glaucous-winged Gull	40	Benedict	06/25/82	B	II	26
Pigeon Guillemot	20	Benedict	06/25/82	B	II	26
Total	62					

Black Oystercatcher	2	Garlick	06/ ?/81	B	II	113
Black Oystercatcher	2	Garlick	06/29/82	L	I	113
Glaucous-winged Gull	X	Garlick	06/ ?/81	B	III	113
Pigeon Guillemot	1	Edson	06/20/1893	S	-	101
Pigeon Guillemot	10	Edson 1929	06/13/05	L	III	98
Pigeon Guillemot	37	Garlick	07/28/78	L	III	113
Pigeon Guillemot	18	Garlick	06/25/79	B	III	113

(078)

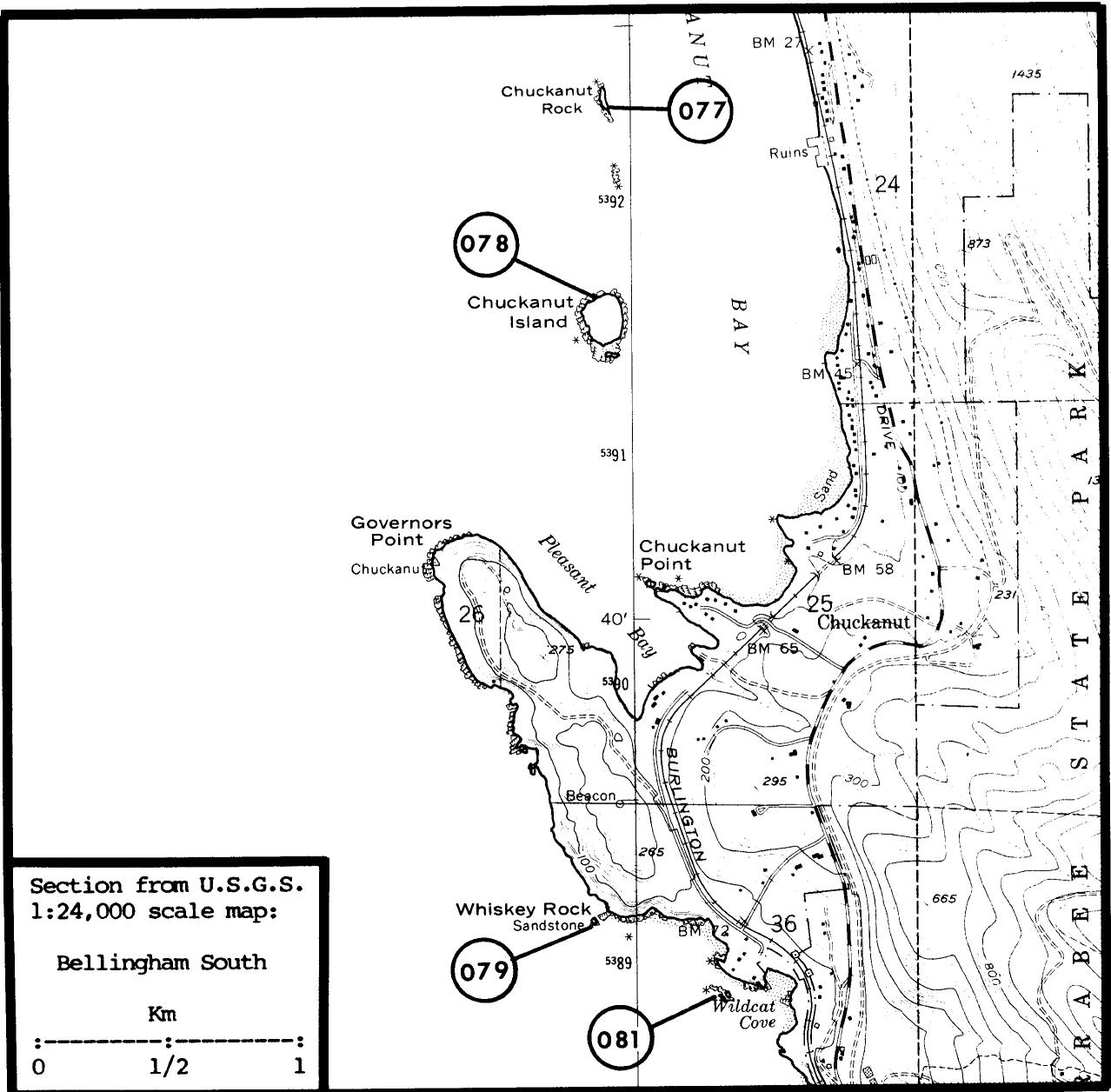
Chuckanut Island  $48^{\circ}40'38''N$ ,  $122^{\circ}30'05''W$

No Nesting Observed	0	Garlick	06/25/79	B	III	113
No Nesting Observed	0	Garlick	07/28/78	B	III	113

(079)

Whiskey Rock  $48^{\circ}39'38''N$ ,  $122^{\circ}30'08''W$

No Nesting Observed	0	Garlick	Summer/79	B	III	113
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## AREA 156, Victoria (cont'd.)

(080)

Eliza Rock 48°38'23"N, 122°34'35"W

Black Oystercatcher	6	Speich & Wahl	06/05/78	B III 257
Pigeon Guillemot	2	Speich & Wahl	06/05/78	B III 257
Total	8			

No Nesting Observed	0	Eddy 1975	06/13/75	B III 94
Glaucous-winged Gull	2	Manuwal 1977	?/ ?/73-75	L I 187
Pigeon Guillemot	X	Hudson	06/18-07/01/49	? III 148

(081)

"Gargoyle Rock" 48°39'12"N, 122°29'43"W

No Nesting Observed	0	Garlick	Summer/79	B III 113
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(082)

Battleship Island 48°37'30"N, 123°11'03"W

No Nesting Observed	0	Pitman	06/22/78	B III 217
No Nesting Observed	0	Eddy	05/31-06/02/57	B III 95
No Nesting Observed	0	Frazer 1973	07/16/73	B III 108
No Nesting Observed	0	Eddy 1975	06/14/75	B III 94
Pigeon Guillemot	3	Wahl; Paulson	07/06/78	A III 269;207

(083)

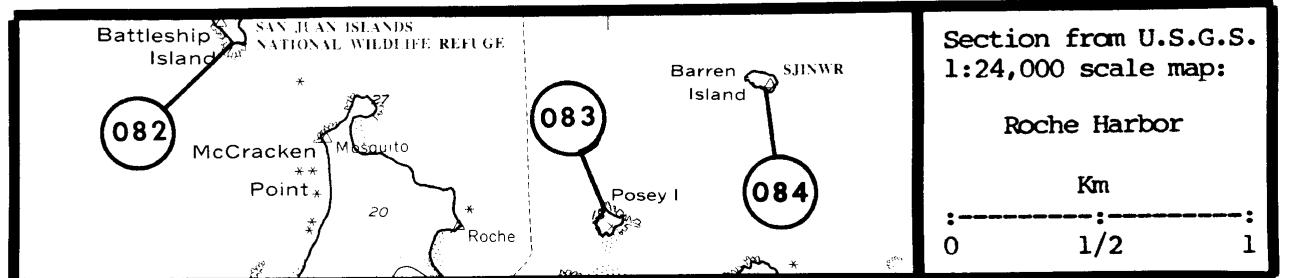
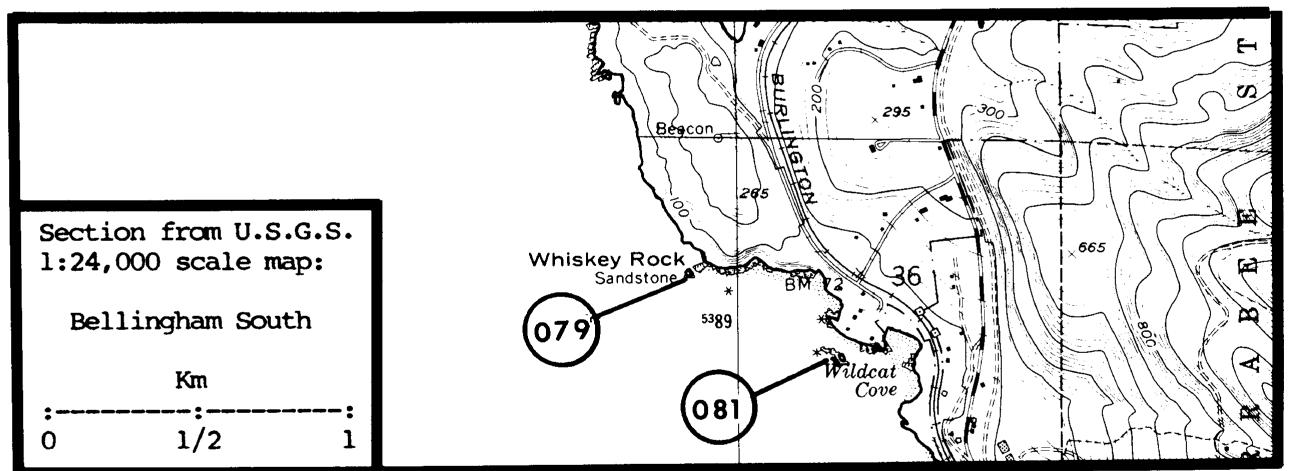
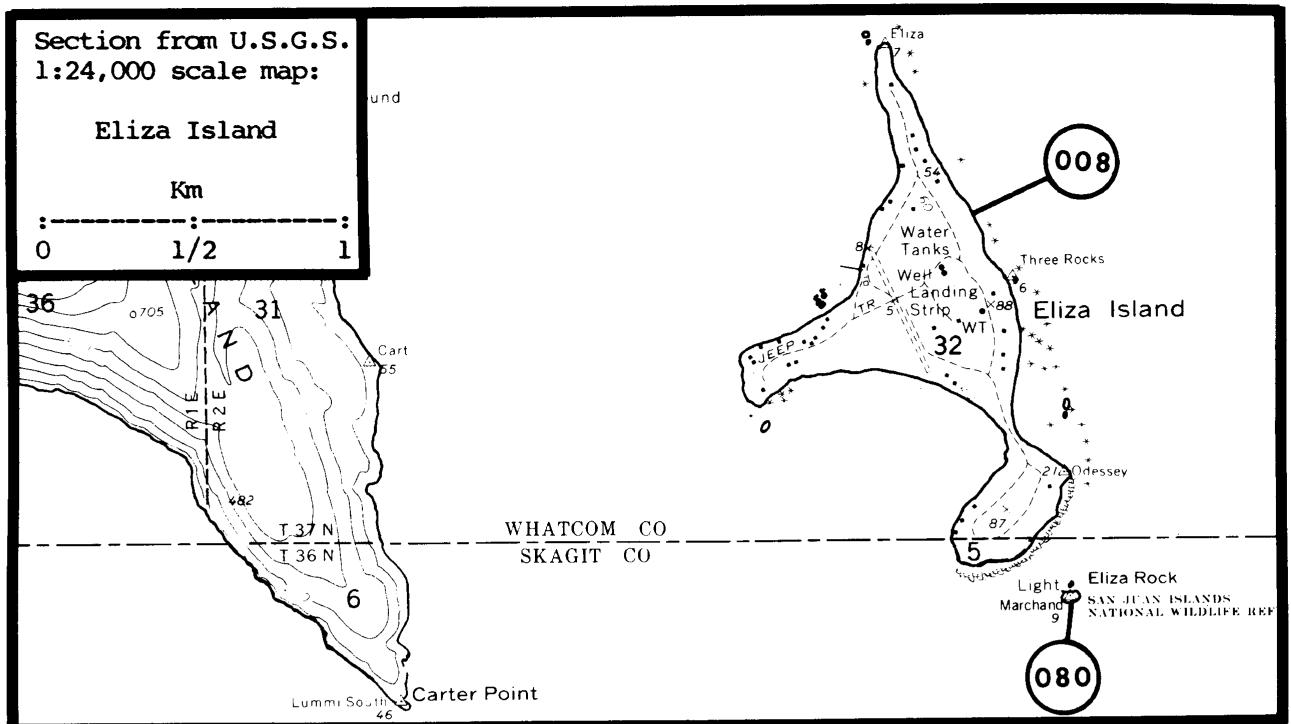
Posey Island 48°37'07"N, 123°10'00"W

No Nesting Observed	0	Pitman	06/22/78	B III 217
Pigeon Guillemot	1?	Speich & Wahl	05/19/78	B III 257

(084)

Barren Island 48°37'22"N, 123°09'34"W

No Nesting Observed	0	Wahl	06/14/79	B III 269
No Nesting Observed	0	Eddy	05/31-06/02/57	B III 95
No Nesting Observed	0	Frazer 1973	07/16/73	B III 108
No Nesting Observed	0	Eddy 1975	06/14/75	B III 94
No Nesting Observed	0	Pitman	06/22/78	B III 217



AREA 156, Victoria (cont'd.)

(085)

Pole Island  $48^{\circ}36'04"N, 123^{\circ}10'00"W$

No Nesting Observed	0	Wahl	06/13/79	B III 269
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(086)

Guss Island  $48^{\circ}35'04"N, 123^{\circ}09'11"W$

Pigeon Guillemot	7	Wahl	06/14/79	B III 269
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(087)

Low Island  $48^{\circ}32'37"N, 123^{\circ}09'47"W$

No Nesting Observed	0	Wahl; Paulson	06/07/79	A III 269;207
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No Nesting Observed	0	Wahl	05/24/78	A III 269
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(088)

Lime Kiln Bay  $48^{\circ}31'12"N, 123^{\circ}09'03"W$

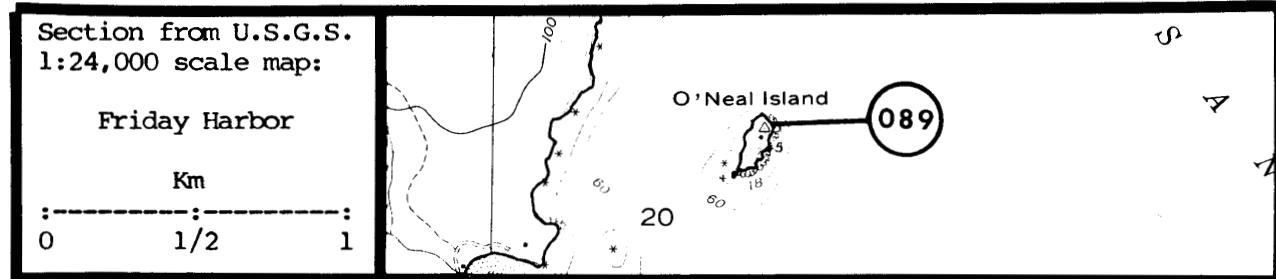
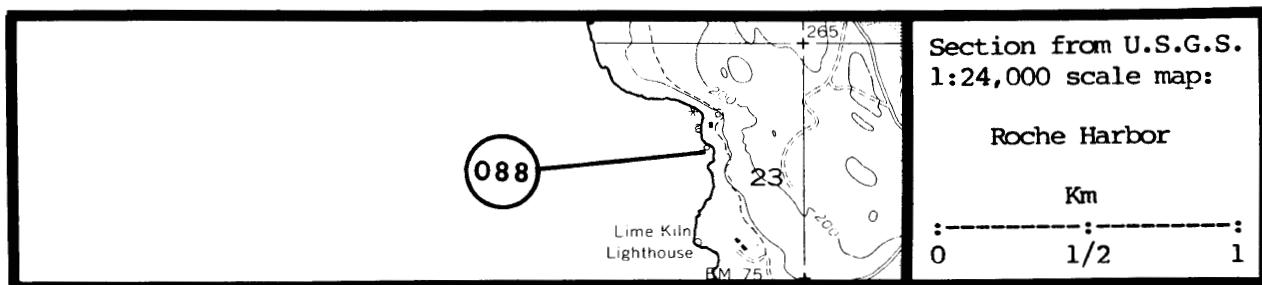
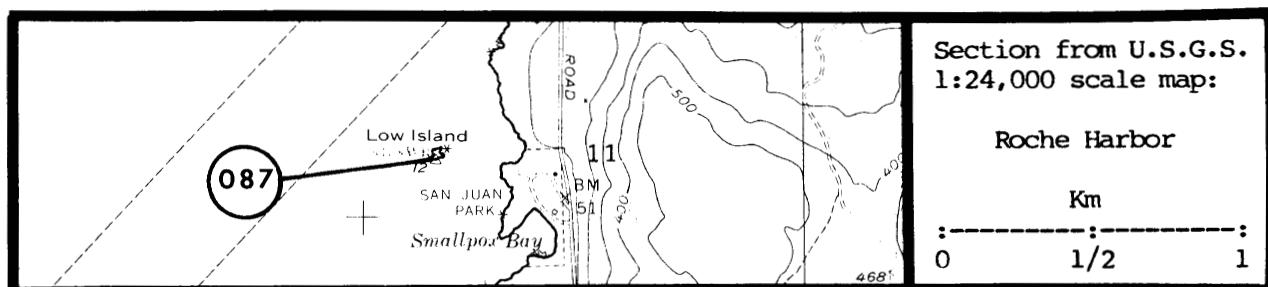
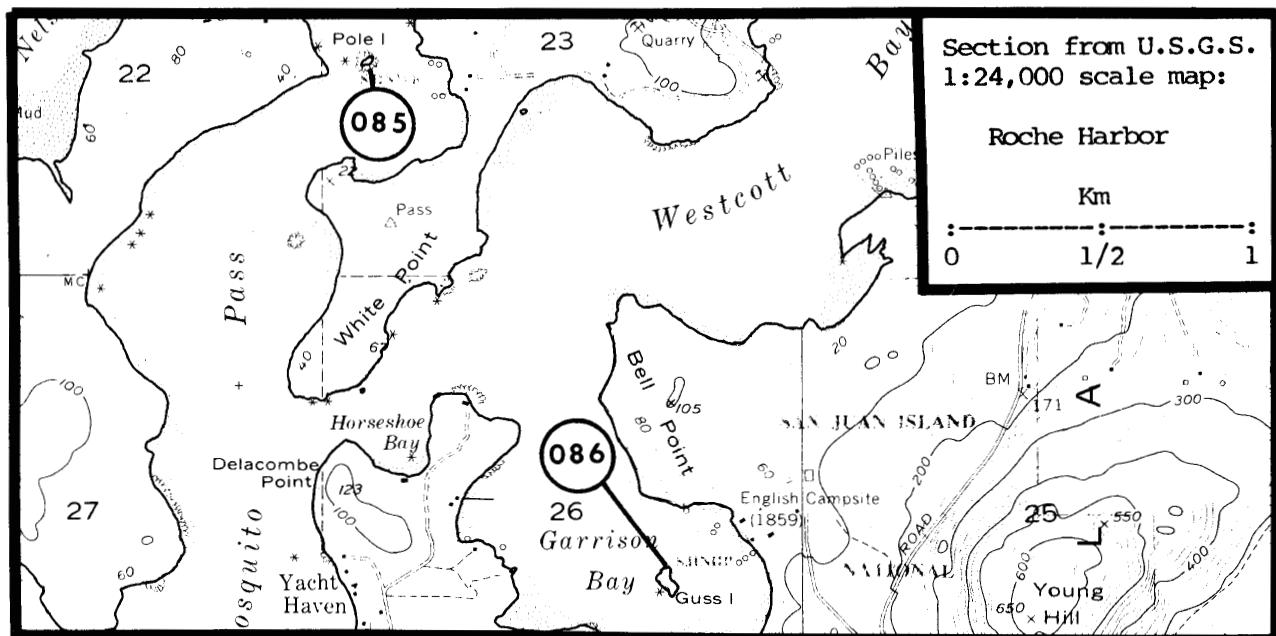
Pigeon Guillemot	5	Wahl	06/18/79	L III 269
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(089)

O'Neal Island  $48^{\circ}36'14"N, 123^{\circ}05'28"W$

No Nesting Observed	0	Pitman	06/24/78	B III 217
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No Nesting Observed	0	Manuwal 1977	?/ ?/73-75	B III 187
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AREA 156, Victoria (cont'd.)

(090)

Jones Island  $48^{\circ}36'53"N, 123^{\circ}02'42"W$

No Nesting Observed	0	Pitman	06/24/78	B III 217
Pigeon Guillemot	?	Jewett	05/23-24/37	L III 156
Pigeon Guillemot	?	Nisqually NWR	06/20/67	B III 202

(091)

Fawn Island  $48^{\circ}36'50"N, 123^{\circ}00'20"W$

No Nesting Observed	0	Pitman	06/24/78	B III 217
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(092)

Reef Island  $48^{\circ}36'18"N, 123^{\circ}00'52"W$

No Nesting Observed	0	Pitman	06/24/78	B III 217
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(093)

"Unnamed Island"  $48^{\circ}35'57"N, 123^{\circ}01'27"W$

No Nesting Observed	0	Wahl	06/13/79	B III 269
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(094)

McConnell Island  $48^{\circ}35'46"N, 123^{\circ}01'17"W$

No Nesting Observed	0	Pitman	06/24/78	B III 217
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(095)

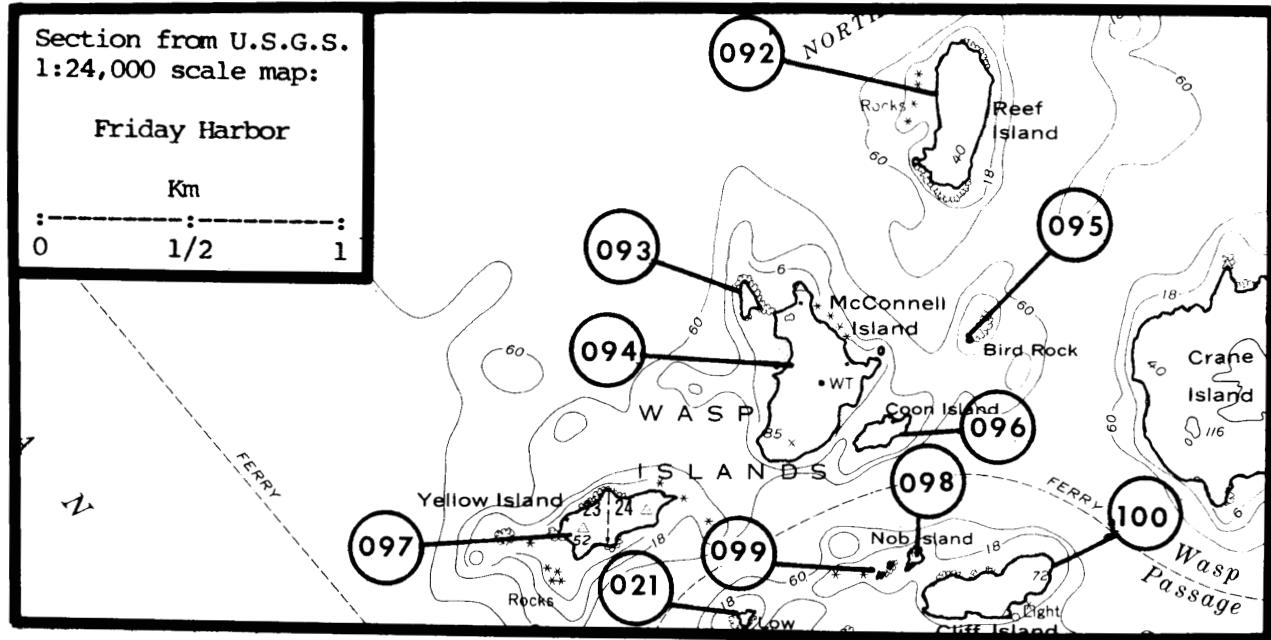
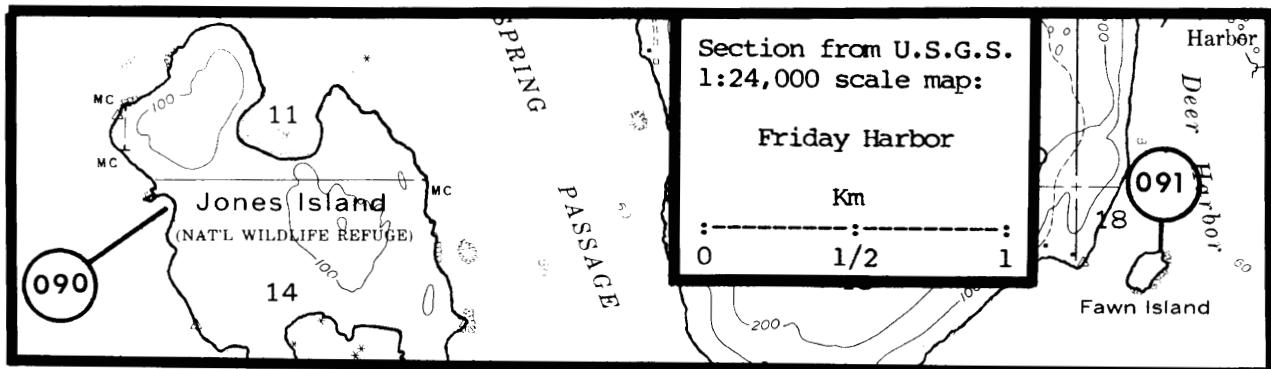
Bird Rock  $48^{\circ}35'54"N, 123^{\circ}00'49"W$

No Nesting Observed	0	Wahl	06/13/79	B III 269
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(096)

Coon Island  $48^{\circ}35'43"N, 123^{\circ}01'04"W$

No Nesting Observed	0	Pitman	06/24/78	B III 217
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AREA 156, Victoria (cont'd.)

(097)

Yellow Island 48°35'33"N, 123°01'50"W

No Nesting Observed	0	Pitman	06/24/78	B III 217
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Black Oystercatcher ? Manuwal 1973; Manuwal 05/26/73 B III 186;188

(098)

Nob Island 48°35'28"N, 123°01'00"W

No Nesting Observed	0	Pitman	06/24/78	B III 217
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(099)

"Unnamed Rock" 48°35'27"N, 123°01'05"W

No Nesting Observed	0	Pitman	06/24/78	B III 217
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(100)

Cliff Island 48°35'24"N, 123°00'13"W

No Nesting Observed	0	Pitman	06/24/78	B III 217
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(101)

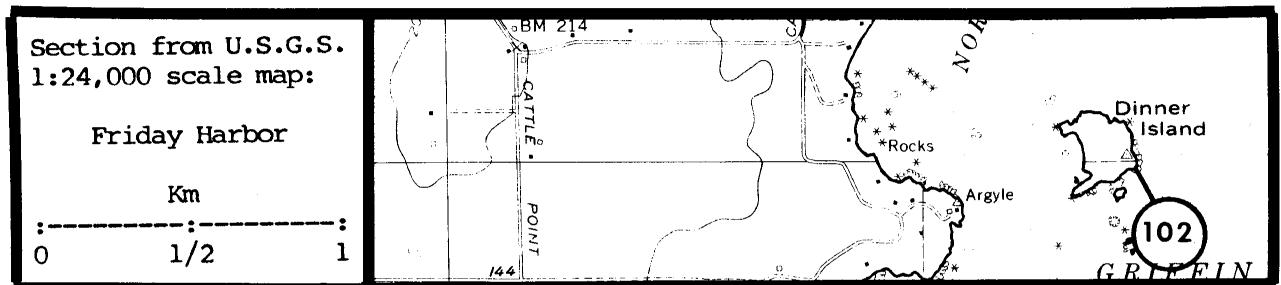
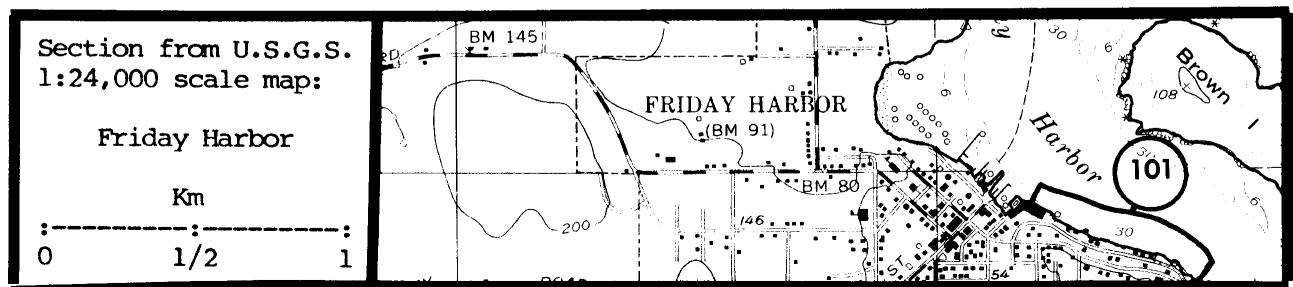
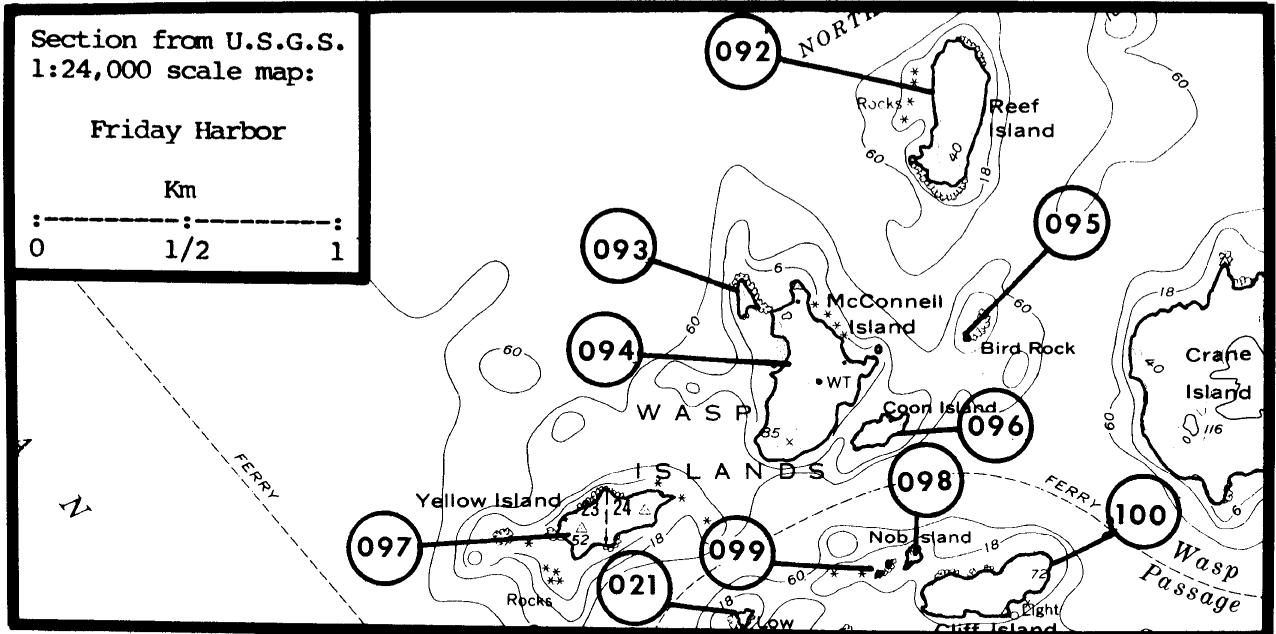
Friday Harbor 48°32'00"N, 123°00'20"W

Pigeon Guillemot	2	Miller et al. 1935	?/ ?/33-35	L III 199
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(102)

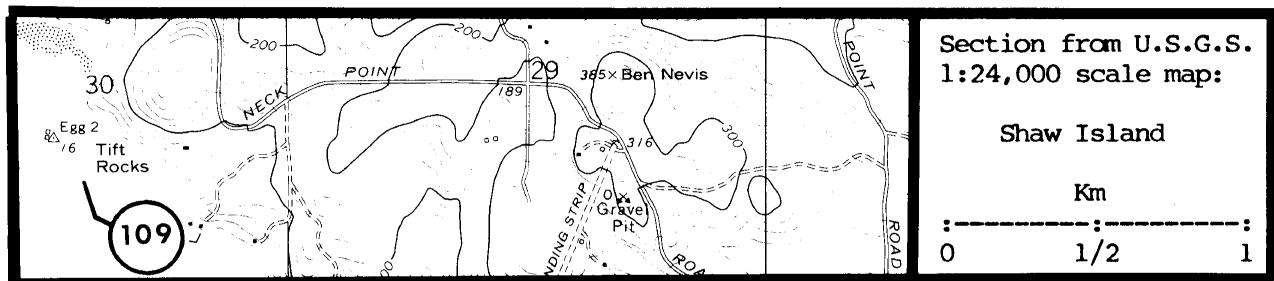
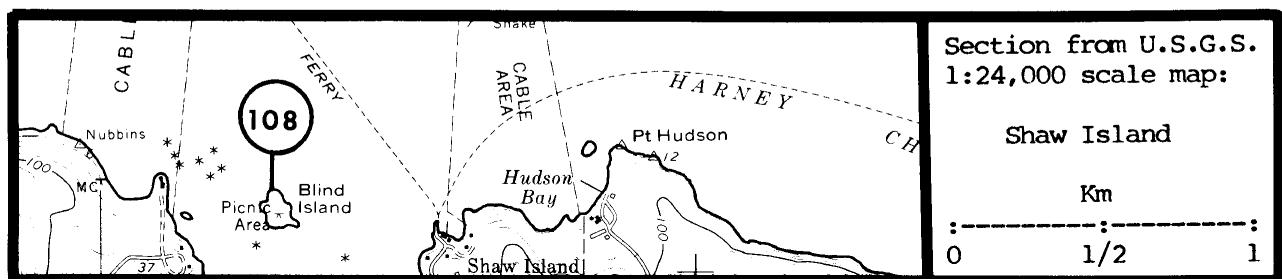
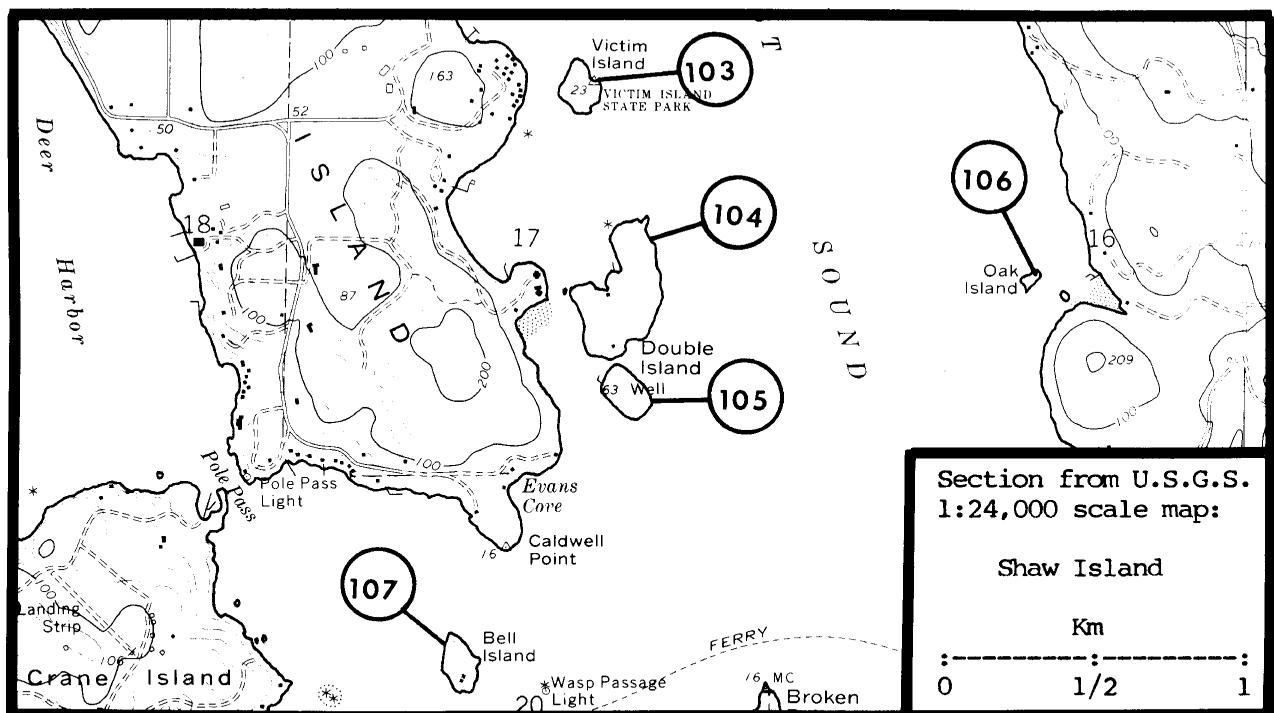
Dinner Island 48°30'26"N, 123°00'30"W

No Nesting Observed	0	Pitman	06/22/78	M III 217
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AREA 156, Victoria (cont'd.)

(103)	Victum Island	48°36'48"N, 122°58'24"W		
No Nesting Observed	0	Pitman	06/24/78	B III 217
(104)	Double Island, north	48°36'24"N, 122°58'21"W		
No Nesting Observed	0	Pitman	06/24/78	B III 217
(105)	Double Island, south	48°36'16"N, 122°58'21"W		
No Nesting Observed	0	Pitman	06/24/78	B III 217
(106)	Oak Island	48°36'22"N, 122°57'09"W		
No Nesting Observed	0	Pitman	06/24/78	B III 217
(107)	Bell Island	48°35'46"N, 122°58'46"W		
No Nesting Observed	0	Pitman	06/24/78	B III 217
(108)	Blind Island	48°35'06"N, 122°56'15"W		
No Nesting Observed	0	Pitman	06/24/78	B III 217
(109)	Tift Rocks/Egg Rock	48°34'42"N, 122°59'10"W		
No Nesting Observed	0	Wahl	06/17/79	B III 269



AREA 156, Victoria (cont'd.)

(110)

"Unnamed Rock" 48°33'45"N, 122°55'16"W

No Nesting Observed	0	Wahl	06/17/79	B III 269
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(111)

Turn Island 48°32'00"N, 122°58'12"W

No Nesting Observed	0	Wahl	06/14/79	B III 269
Pigeon Guillemot	1	Wahl	05/19/78	B III 269
Tufted Puffin	1	Anonymous	07/24/39	S - 15

(112)

"Unnamed Rock" 48°31'42"N, 122°58'10"W

No Nesting Observed	0	Wahl	06/13/79	B III 269
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(113)

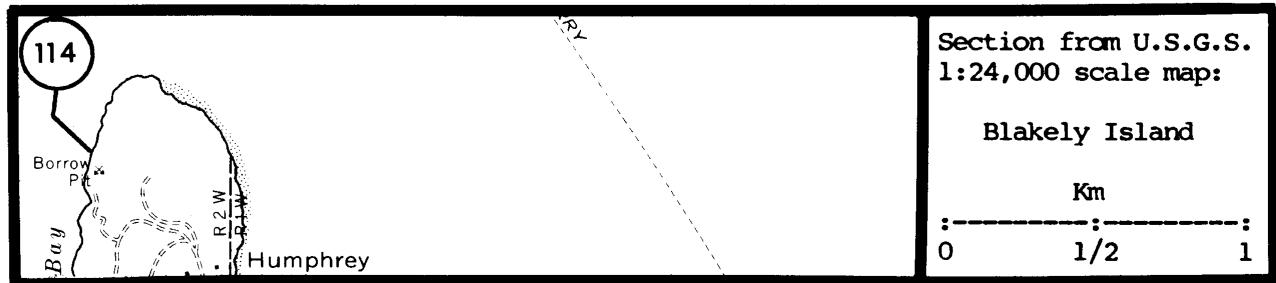
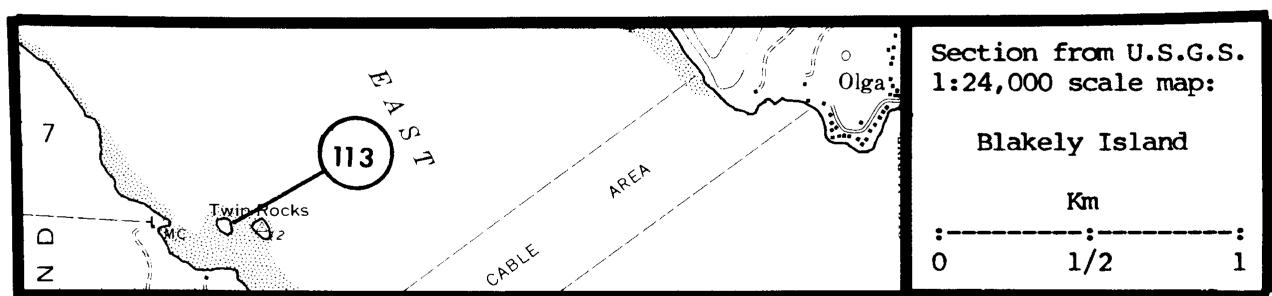
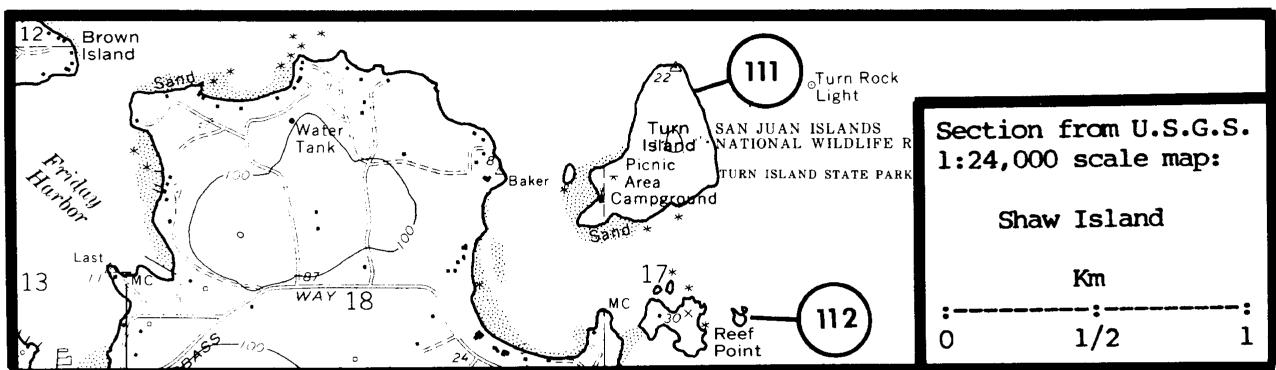
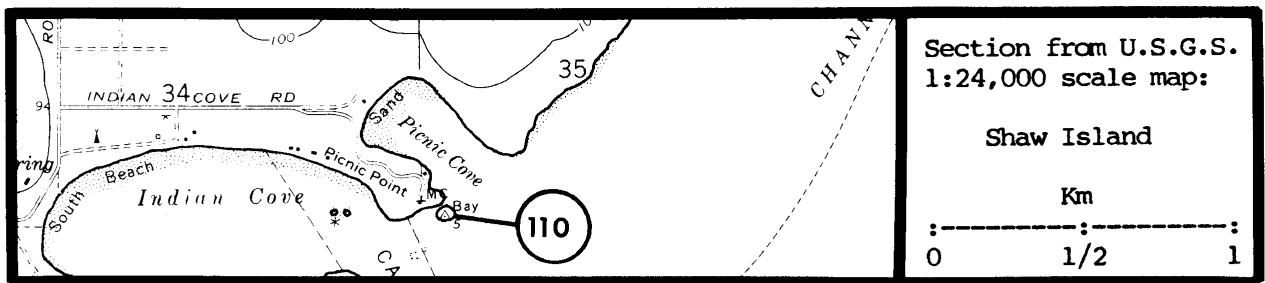
Twin Rocks 48°36'57"N, 122°51'50"W

Glaucous-winged Gull	2	Wahl	06/15/79	B III 269
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(114)

Humphrey Head 48°33'45"N, 122°52'14"W

Pigeon Guillemot	6	Wahl	06/17/79	B II 269
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AREA 156, Victoria (cont'd.)

(115) Frost Island 48°32'18"N, 122°50'42"W

No Nesting Observed	0	Pitman	06/21/78	B III 217
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(116) Willow Island 48°32'26"N, 122°49'20"W

Pigeon Guillemot	7	Wahl	06/17/79	B III 269
Pigeon Guillemot	10	Wahl	05/28/78	B III 269
Pigeon Guillemot	8	Pitman	06/21/78	B III 217
Pigeon Guillemot	5	Wahl	06/15/79	B III 269

(117) Armitage Island 48°32'09"N, 122°47'42"W

No Nesting Observed	0	Pitman	06/21/78	B III 217
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Glaucous-winged Gull	150?	Hauser & Monson 1963	07/16-17/63	B III 145
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(118) Lawson Rock<sup>1</sup> 48°31'50"N, 122°47'15"W

Black Oystercatcher	2?	Nisqually NWR	08/03/80	B III 202
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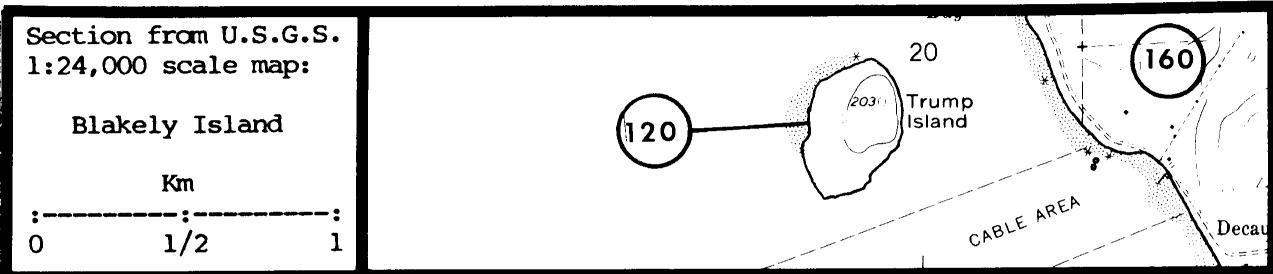
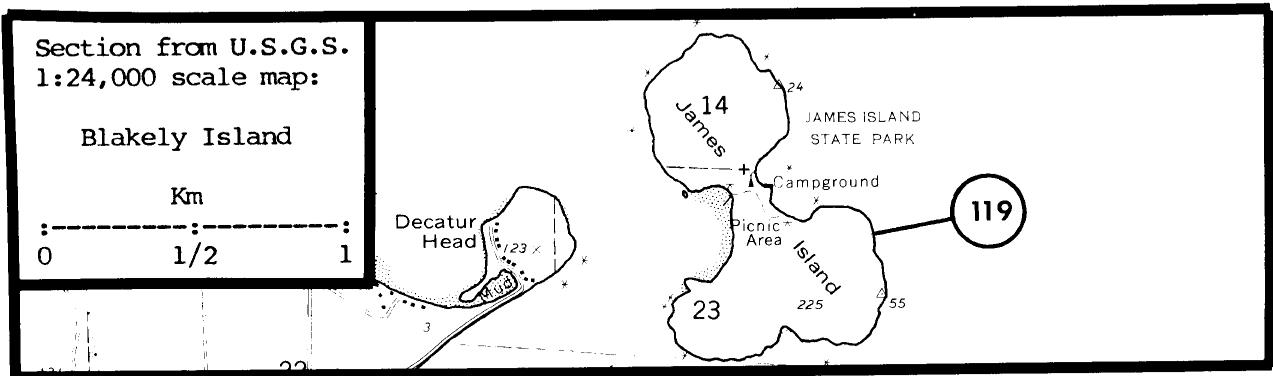
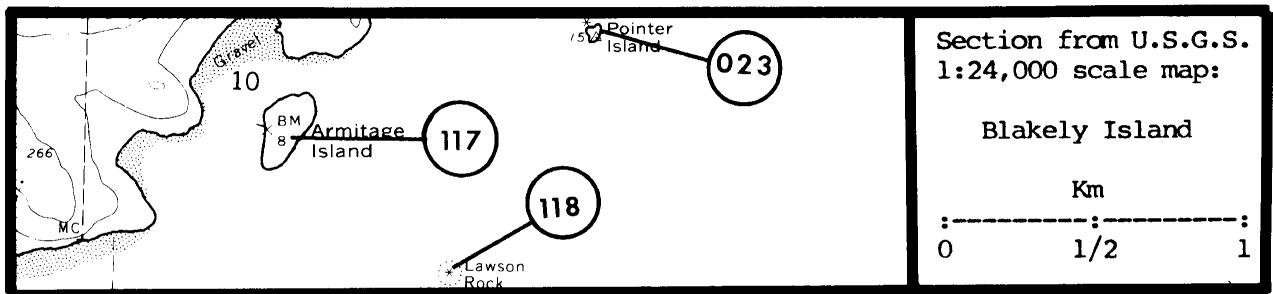
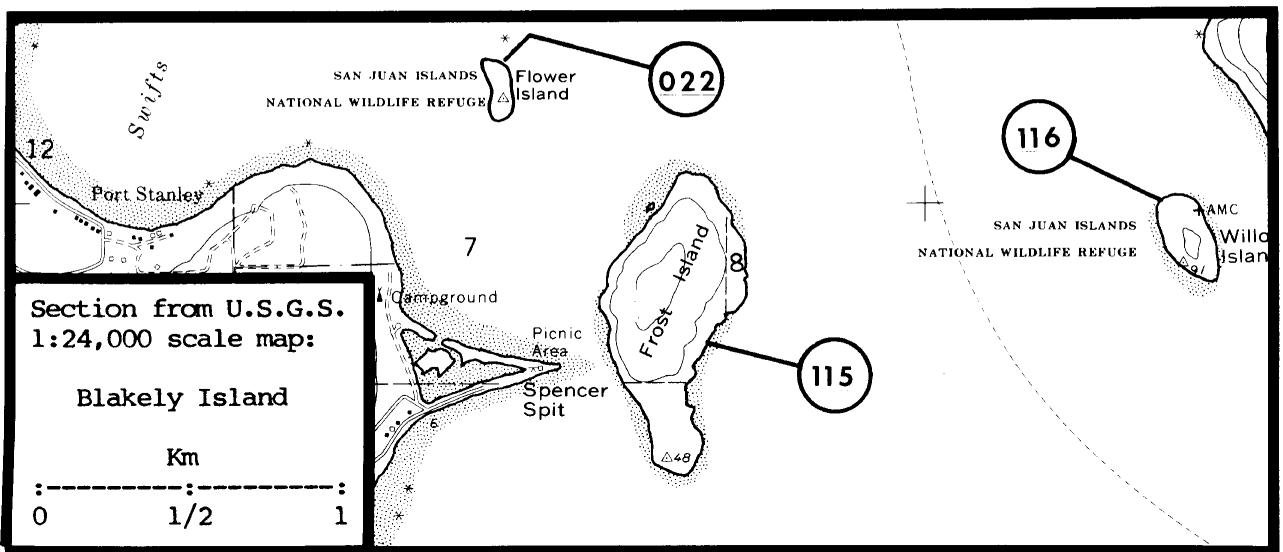
<sup>1</sup>This rock regularly goes under water with high tide.

(119) James Island 48°30'45"N, 122°46'26"W

No Nesting Observed	0	Pitman	06/21/78	B III 217
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(120) Trump Island 48°30'16"N, 122°50'09"W

No Nesting Observed	0	Pitman	06/21/78	B III 217
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AREA 156, Victoria (cont'd.)

(121) Towhead Island  $48^{\circ}36'48"N, 122^{\circ}42'43"W$

No Nesting Observed	0	Pitman	06/21/78	B III 217
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(122) Cone Island, north  $48^{\circ}35'40"N, 122^{\circ}40'56"W$

Pigeon Guillemot	3	Wahl; Paulson	07/06/78	A III 269;207
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Pigeon Guillemot	3?	Pitman	06/21/78	B III 217
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(123) Cone Island, south  $48^{\circ}35'35"N, 122^{\circ}40'56"W$

Pigeon Guillemot	4	Wahl; Paulson	07/06/78	A III 269;207
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No Nesting Observed	0	Pitman	06/21/78	B III 217
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(124) Cone Island, east  $48^{\circ}35'31"N, 122^{\circ}40'22"W$

Pigeon Guillemot	2	Wahl; Paulson	06/07/79	A III 269;207
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Pigeon Guillemot	4	Pitman	06/21/78	B III 217
Pigeon Guillemot	2	Wahl; Paulson	07/06/78	A III 269;207

(125) Cypress Island<sup>1</sup>  $48^{\circ}34'20"N, 122^{\circ}42'30"W$

Pigeon Guillemot	15	Manuwal 1973	05/25-26/73	L III 186
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<sup>1</sup>Insufficient data to show exact location.

(126) Strawberry Island  $48^{\circ}33'42"N, 122^{\circ}44'03"W$

Pigeon Guillemot	6	Wahl; Paulson	06/07/79	A III 269;207
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Pigeon Guillemot	4	Pitman	06/21/78	B III 217
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Section from U.S.G.S.  
1:24,000 scale map:

Cypress Island

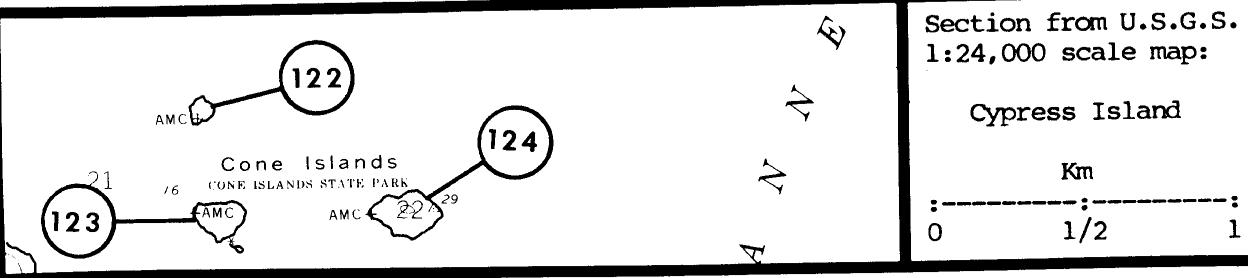
Km

:-----:  
0      1/2      1

C. D.  
Re.

121

184 Towhead  
Island

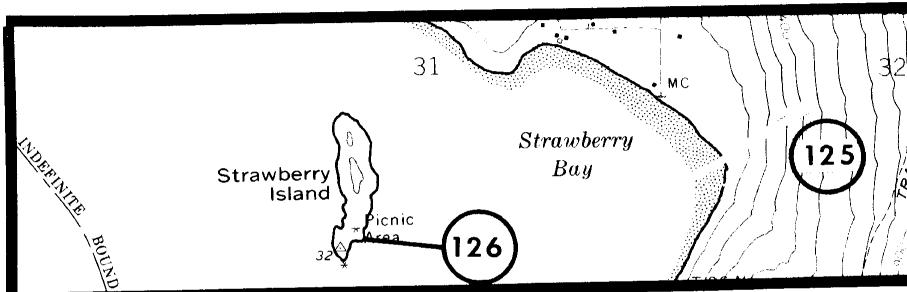


Section from U.S.G.S.  
1:24,000 scale map:

Cypress Island

Km

:-----:  
0      1/2      1



Section from U.S.G.S.  
1:24,000 scale map:

Cypress Island

Km

:-----:  
0      1/2      1

AREA 156, Victoria (cont'd.)

(127)

Shannon Point  $48^{\circ}30'30"N, 122^{\circ}41'15"W$

Pigeon Guillemot X Thoresen & Booth 1958 06-09/ ?/57 L III 263

(128)

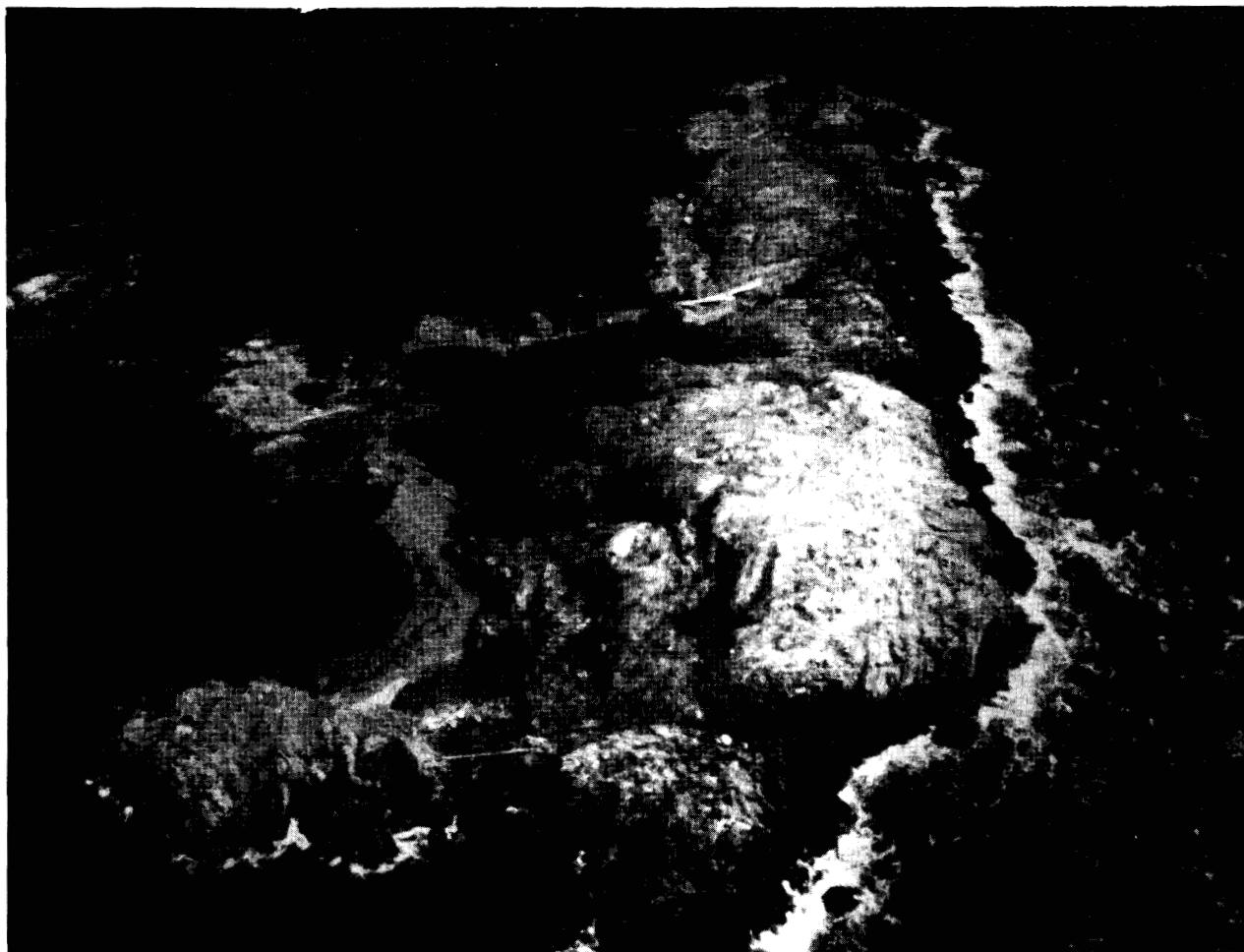
Vendovi Island  $48^{\circ}36'37"N, 122^{\circ}36'22"W$

Pigeon Guillemot	12	Wahl; Paulson	06/07/79	A III 269;207
Pigeon Guillemot	8	Wahl; Paulson	07/06/78	A III 269;207

(129)

Jack Island  $48^{\circ}34'52"N, 122^{\circ}36'48"W$

Pigeon Guillemot 1 Pitman 06/21/78 B III 217



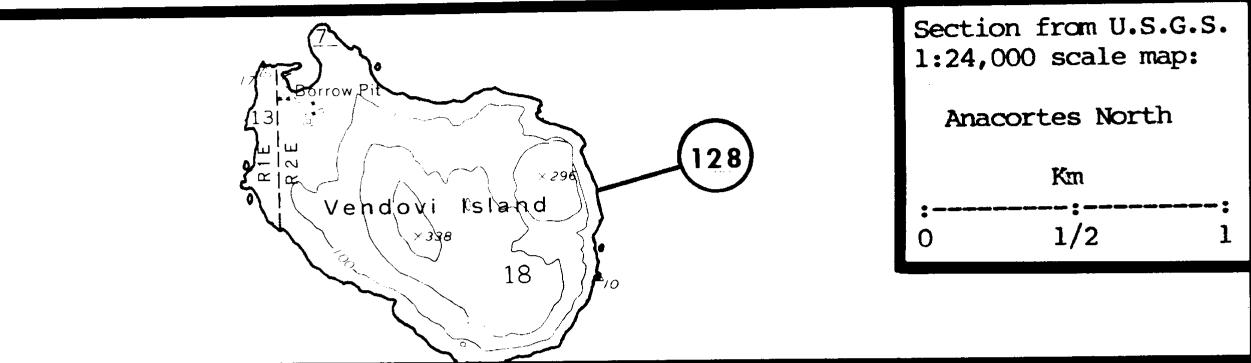
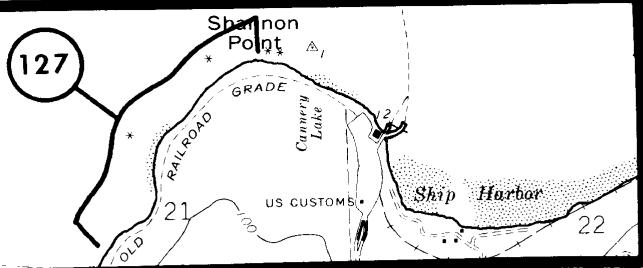
Deadman Island (156139) 19 July 1982 T.R. Wahl

Section from U.S.G.S.  
1:24,000 scale map:

Cypress Island

Km

0 1/2 1

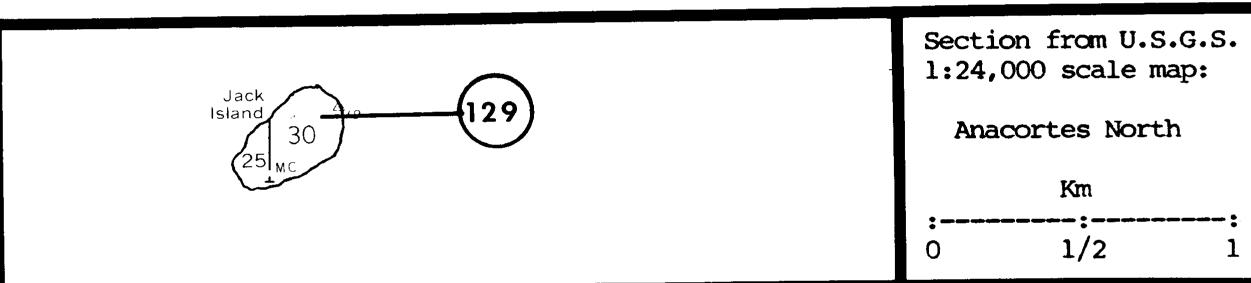


Section from U.S.G.S.  
1:24,000 scale map:

Anacortes North

Km

0 1/2 1



Section from U.S.G.S.  
1:24,000 scale map:

Anacortes North

Km

0 1/2 1

AREA 156, Victoria (cont'd.)

(130)

Huckleberry Island  $48^{\circ}32'10"N, 122^{\circ}34'06"W$

Pigeon Guillemot	1	Pitman	06/21/78	B III 217
No Nesting Observed	0	Eddy 1975	06/13/75	B III 94
Pigeon Guillemot	6	Eddy	06/13/75	B III 95

(131)

Saddlebag Island  $48^{\circ}32'09"N, 122^{\circ}33'21"W$

Pigeon Guillemot	4	Pitman	06/21/78	B III 217
No Nesting Observed	0	Eddy 1975	06/13/75	B III 94

(132)

Dot Island  $48^{\circ}31'58"N, 122^{\circ}33'06"W$

Pigeon Guillemot	7	Pitman	06/21/78	B III 217
Black Oystercatcher	1?	Wahl	06/27/74	? ? 269
No Nesting Observed	0	Eddy 1975	06/13/75	B III 94

(133)

Hat Island  $48^{\circ}31'28"N, 122^{\circ}32'48"W$

No Nesting Observed	0	Eddy 1975	06/13/75	B III 94
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(134)

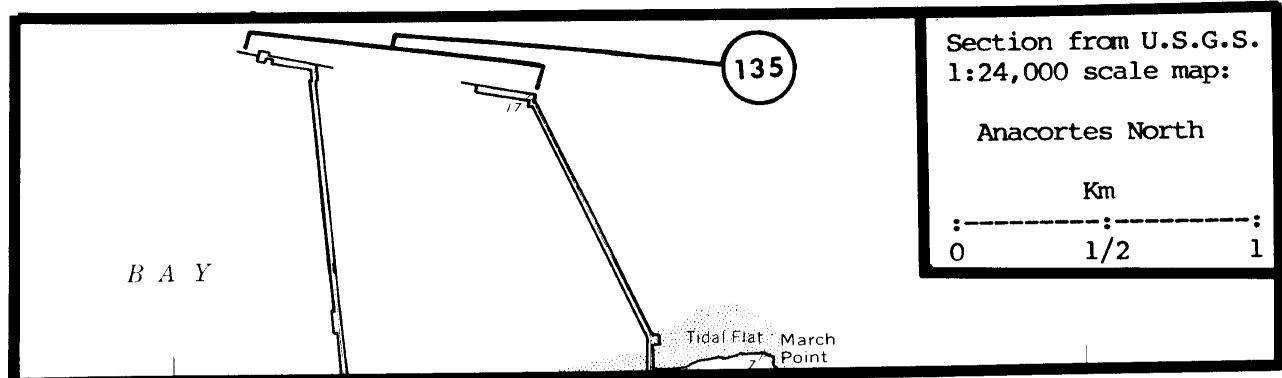
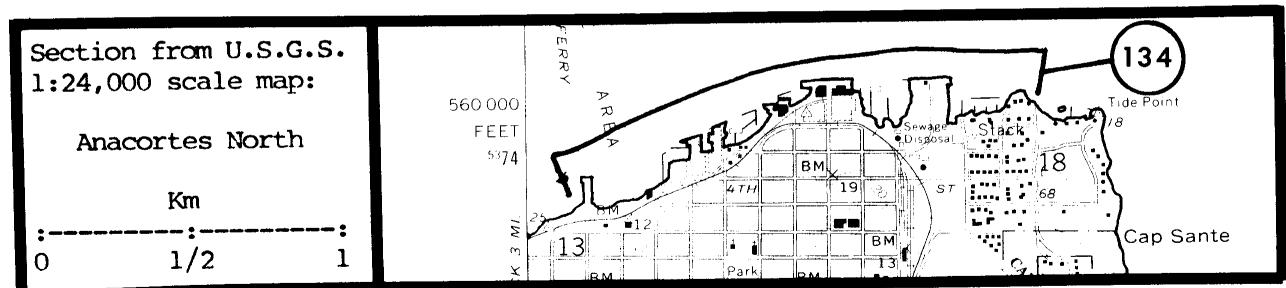
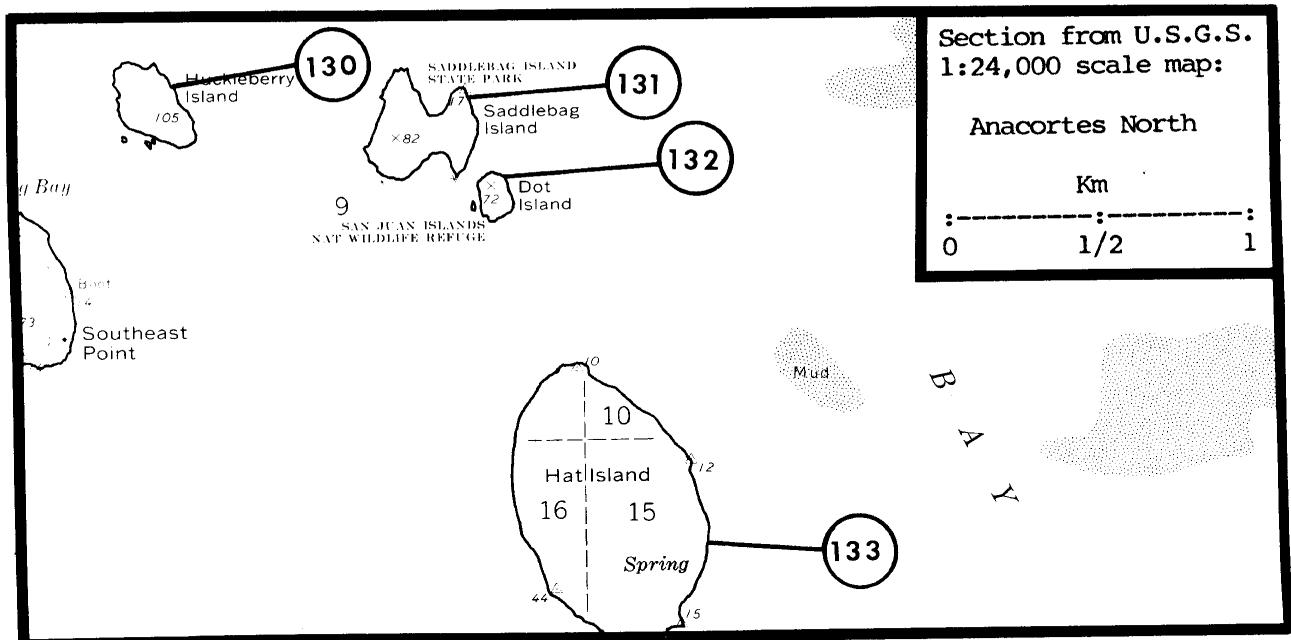
Anacortes, waterfront  $48^{\circ}31'24"N, 122^{\circ}36'20"W$

Pigeon Guillemot	6?	Wahl	06/14/79	B III 269
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(135)

March Point, piers  $48^{\circ}30'32"N, 122^{\circ}34'21"W$

Pigeon Guillemot	15	Wahl	06/27/79	L III 269
Pigeon Guillemot	1	Wahl	05/24/79	L III 269
Pigeon Guillemot	4	Wahl	06/08/79	L III 269



AREA 156, Victoria (cont'd.)

(136)

"Unnamed Rock" 48°29'24"N, 123°06'30"W

No Nesting Observed	0	Wahl; Paulson	06/06/79	A III 269;207
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(137)

"Unnamed Rock" 48°28'58"N, 123°05'00"W

No Nesting Observed	0	Wahl; Paulson	06/06/79	A III 269;207
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(138)

Harbor Rock 48°28'13"N, 122°58'12"W

No Nesting Observed	0	Wahl & Speich	06/14/79	B III 271
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No Nesting Observed	0	Manuwal 1977	?/ ?/73-75	B III 187
Glaucous-winged Gull	2?	Wahl & Speich	05/19/78	B III 271

(139)

Deadman Island 48°27'30"W, 122°56'36"W

No Nesting Observed	0	Pitman	06/20/78	B III 217
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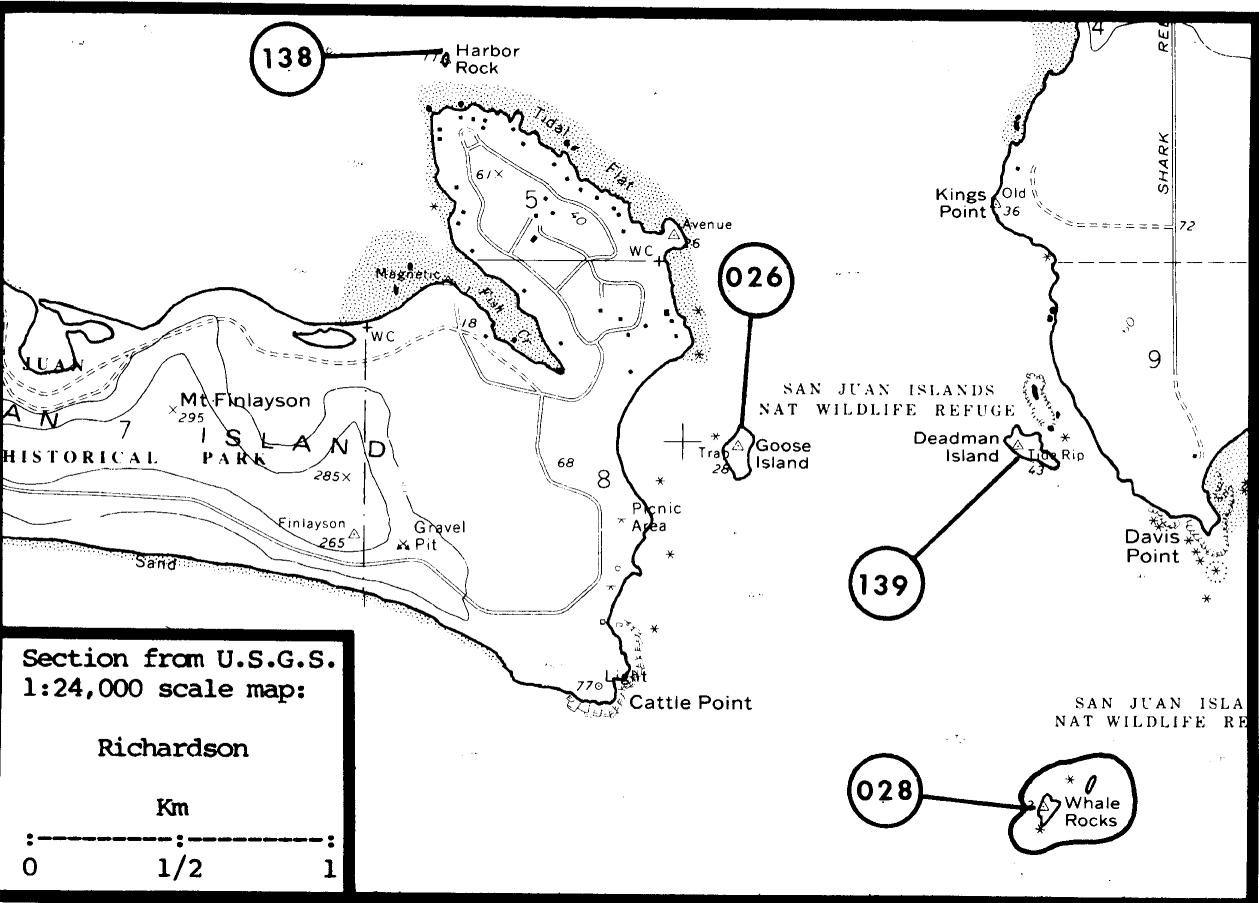
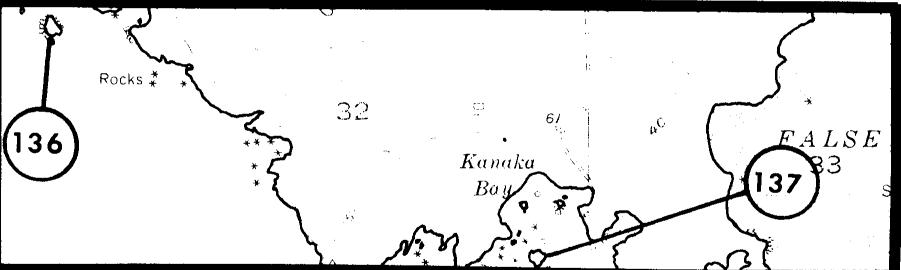
Black Oystercatcher	2	Eaton 1980	?/ ?/76	L I 93
Black Oystercatcher	2	Eaton 1980	?/ ?/77	L I 93
Black Oystercatcher	0	Eaton 1980	?/ ?/78	L III 93
Glaucous-winged Gull	P	Eaton 1980	?/ ?/77	L III 93
Glaucous-winged Gull	4	Eaton 1980	?/ ?/78	L I 93
Glaucous-winged Gull	35±?	Wahl	07/19/82	A III 269

Section from U.S.G.S.  
1:24,000 scale map:

False Bay

Km

0 1/2 1



## AREA 156, Victoria (cont'd.)

(140)

Buck Island 48°27'09"N, 122°55'15"W

Black Oystercatcher	2	Pitman	06/20/78	B III 217
Pelagic Cormorant	15?	Nisqually NWR	08/21-23/67	B III 202
Black Oystercatcher	2	Nisqually NWR	06/20/63	B II 202
Black Oystercatcher	2	Nisqually NWR	07/13-16/68	L III 202
Glaucous-winged Gull	160B	Schultz	?/ ?/47	L III 245
Glaucous-winged Gull	160B	Schultz	?/ ?/49	L III 245
Glaucous-winged Gull	270	Schultz 1951	06-08/ ?/49	L II 240
Glaucous-winged Gull	1	Schultz	06/17/49	S - 246
Glaucous-winged Gull	X	Schultz 1952	07/07-08/51	L III 241
Glaucous-winged Gull	75B	Schultz	?/ ?/55	L III 245
Glaucous-winged Gull	2	Schultz	07/23/55	S - 246
Glaucous-winged Gull	3	Schultz	09/04-06/55	S - 246
Glaucous-winged Gull	2	Schultz	10/06/55	S - 246
Glaucous-winged Gull	85B	Schultz	?/ ?/60	L III 245
Glaucous-winged Gull	40+	Eddy	07/03/61	B III 95
Glaucous-winged Gull	200	Nisqually NWR	06/20/63	B III 202
Glaucous-winged Gull	200	Hauser & Monson 1963	07/16-17/63	B III 145
Glaucous-winged Gull	100	Nisqually NWR	08/21-23/67	L III 202
Glaucous-winged Gull	300	Nisqually NWR	07/13-16/68	L III 202
Glaucous-winged Gull	15±?	Wahl	07/19/82	A III 269
Pigeon Guillemot	2	Nisqually NWR	06/20/63	B III 202
Pigeon Guillemot	13	Hauser & Monson 1963	07/16-17/63	B III 145
Pigeon Guillemot	25	Nisqually NWR	07/13-16/68	L III 202

(141)

Davis Bay, cliffs 48°27'10"N, 122°55'00"W

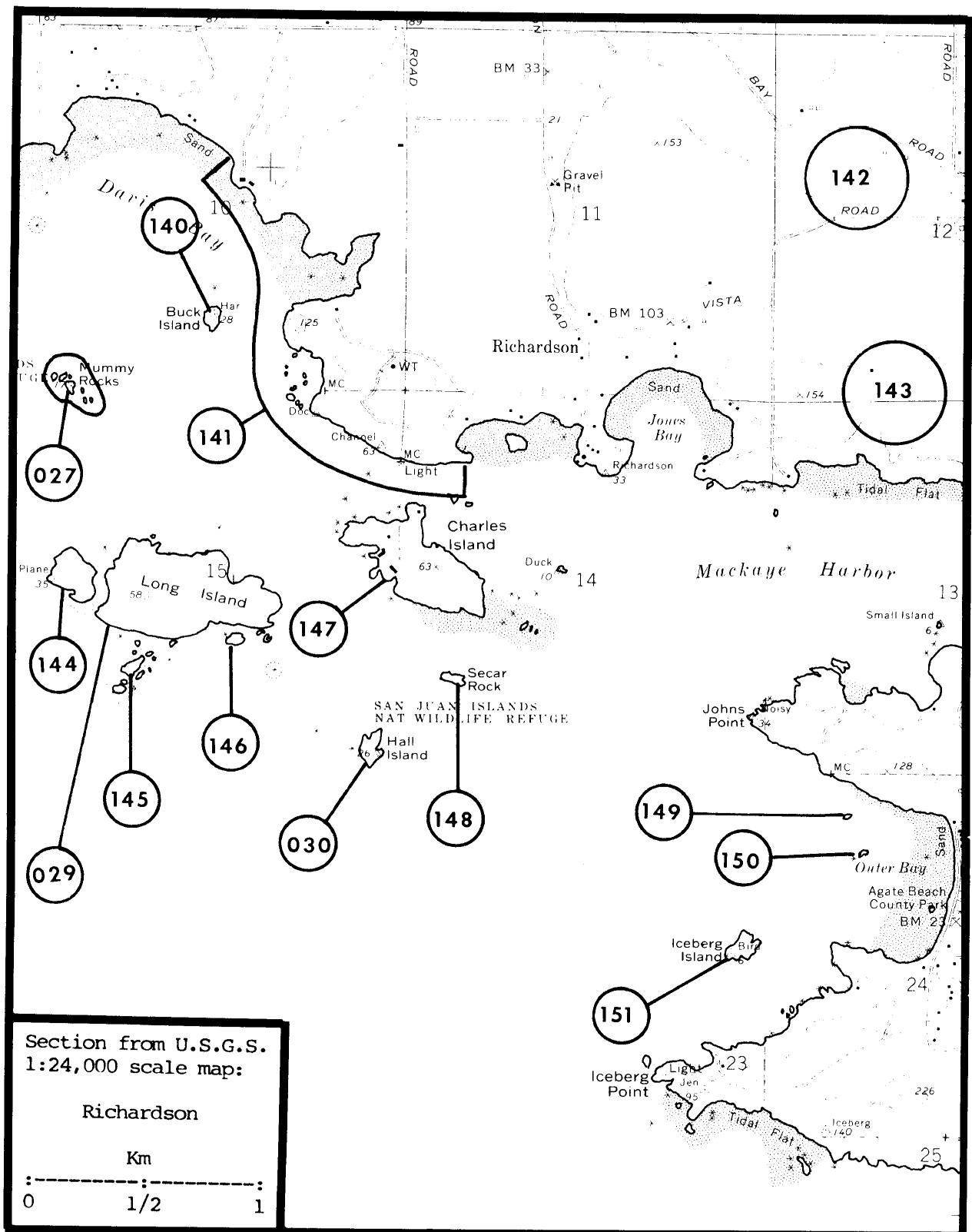
Pigeon Guillemot	10	Pitman	06/20/78	B III 217
Pelagic Cormorant	200	Edson 1929	06/17/05	M III 98
Pelagic Cormorant	80+	Eddy	07/03/61	B III 95

(142)

Lopez Island<sup>1</sup> 48°28'30"N, 122°53'00"W

Brandt's Cormorant	X	Cantwell	pre-1953	? III 52
Tufted Puffin	1	Anonymous	06/28/55	? III 15

<sup>1</sup>Insufficient data to show exact map location.



## AREA 156, Victoria (cont'd.)

(143)

Lopez Island, south shore<sup>1</sup> 48°26'00"N, 122°52'30"W

Pelagic Cormorant	1	Edson	06/09/05	S - 271
Pelagic Cormorant	X	Edson 1929	06/17/05	L III 98
Pelagic Cormorant	3	McMannama	06/24/49	S - 193
Black Oystercatcher	2	Nysewander 1977; Nysewander	06/ ?/73	B III 204;205
Glaucous-winged Gull	52	Galusha 1970	?/ ?/63	L II 110
Glaucous-winged Gull	4	Thoresen & Galusha 1971	06-07/ ?/70	L I 264
Pigeon Guillemot	1	McMannama	08/03/49	S - 193
Pigeon Guillemot	6	Galusha 1970	?/ ?/63	L II 110
Pigeon Guillemot	0	Thoresen & Galusha 1971	06-07/ ?/70	L II 264

<sup>1</sup>Insufficient data to show exact map location.

(144)

"Unnamed Island" 48°26'32"N, 122°55'45"W

Glaucous-winged Gull	200	Pitman	06/20/78	B III 217
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(145)

"Unnamed Rock" 48°26'18"N, 122°55'30"W

Black Oystercatcher	1	Pitman	06/20/78	B III 217
Glaucous-winged Gull	40	Pitman	06/20/78	B III 217
Total	41			

(146)

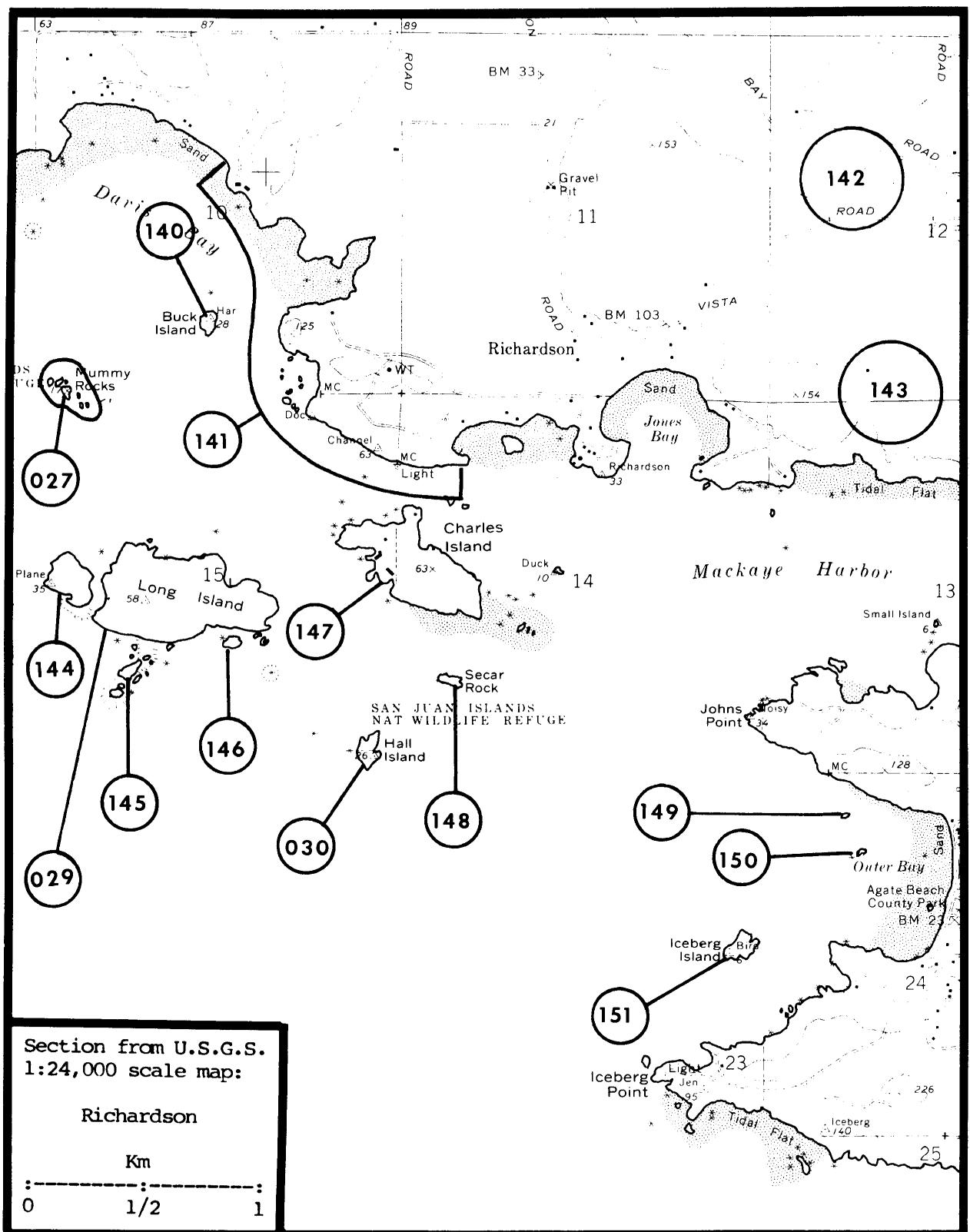
"Unnamed Rock" 48°26'22"N, 122°55'07"W

No Nesting Observed	0	Wahl	06/13/79	B III 269
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(147)

Charles Island 48°26'30"N, 122°54'30"W

No Nesting Observed	0	Pitman	06/20/78	B III 217
Black Oystercatcher	1	Nysewander	06/ ?/73	B III 205



## AREA 156, Victoria (cont'd.)

(148)

Secar Rock  $48^{\circ}26'17"N, 122^{\circ}54'22"W$ 

No Nesting Observed	0	Wahl	07/19/82	A	III	269
Black Oystercatcher	2	Nisqually NWR	06/20/63	B	III	202
Black Oystercatcher	1	Hauser & Monson 1963	07/16-17/63	B	III	145
Black Oystercatcher	6	Nisqually NWR	07/13-16/68	L	II	202
Black Oystercatcher	1?	Pitman	06/20/78	B	III	217

(149)

"Unnamed Rock"  $48^{\circ}25'57"N, 122^{\circ}52'58"W$ 

No Nesting Observed	0	Pitman	06/20/78	B	III	217
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(150)

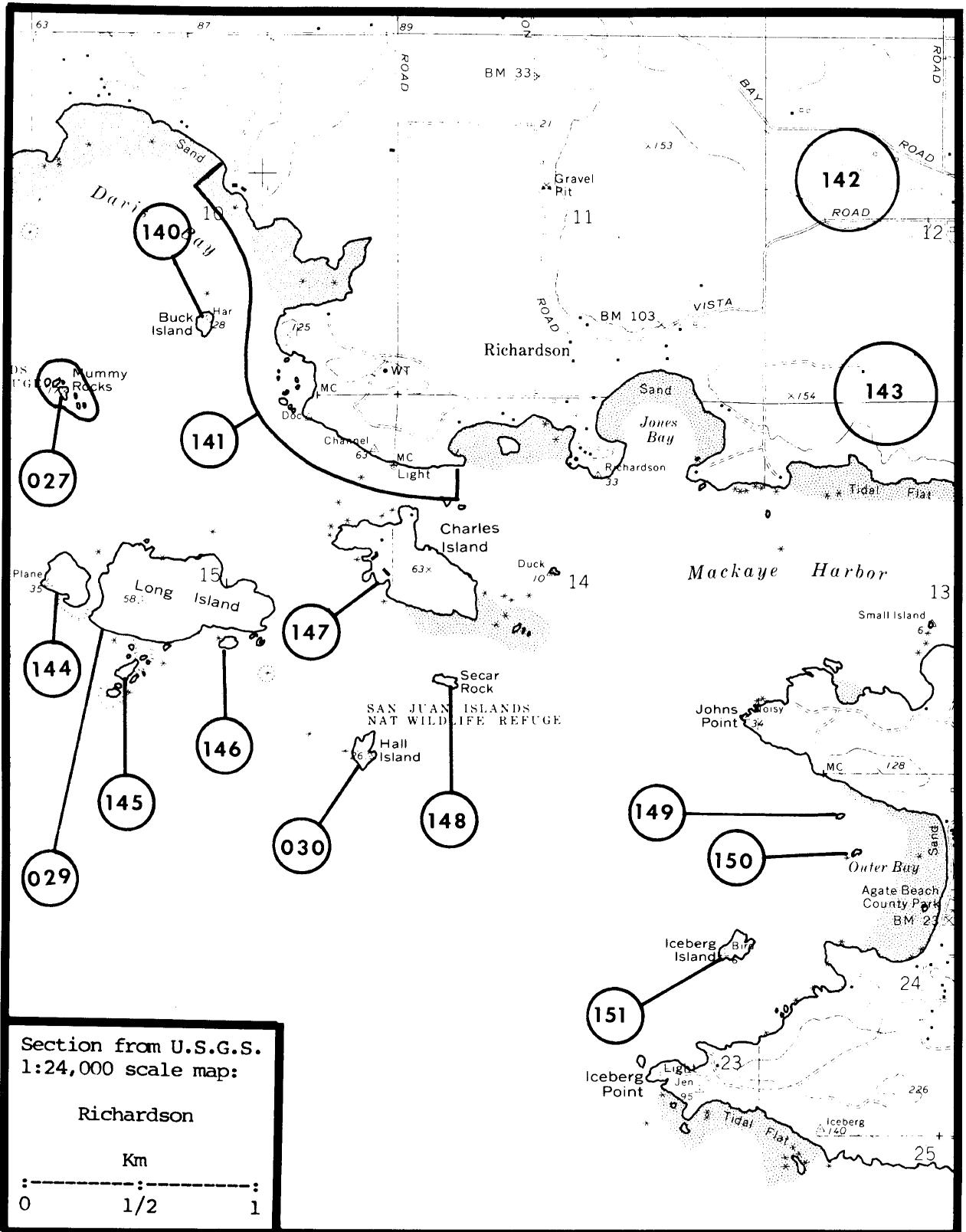
"Unnamed Rock"  $48^{\circ}25'52"N, 122^{\circ}52'51"W$ 

No Nesting Observed	0	Pitman	06/20/78	B	III	217
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(151)

Iceberg Island  $48^{\circ}25'37"N, 122^{\circ}53'18"W$ 

No Nesting Observed	0	Wahl	07/19/82	A	III	269
No Nesting Observed	0	Eddy	07/03/61	B	III	95
No Nesting Observed	0	Nisqually NWR	06/20/63	B	III	202
No Nesting Observed	0	Frazer 1973	07/17/73	B	III	108
Black Oystercatcher	1?	Pitman	06/20/78	B	III	217



## AREA 156, Victoria (cont'd.)

(152) Small Island 48°29'44"N, 122°51'42"W

Glaucous-winged Gull	41	Wahl	06/15/79	B III 269
Pigeon Guillemot	1	Wahl	06/15/79	B III 269
Total	42			

Glaucous-winged Gull	70	Pitman	06/21/78	B III 217
Glaucous-winged Gull	X	Wahl	07/19/82	A III 269

(153) Rim Island 48°28'55"N, 122°49'35"W

No Nesting Observed	0	Pitman	06/21/78	B III 217
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(154) Rum Island 48°28'48"N, 122°49'41"W

No Nesting Observed	0	Pitman	06/21/78	B III 217
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(155) Ram Island 48°28'35"N, 122°49'50"W

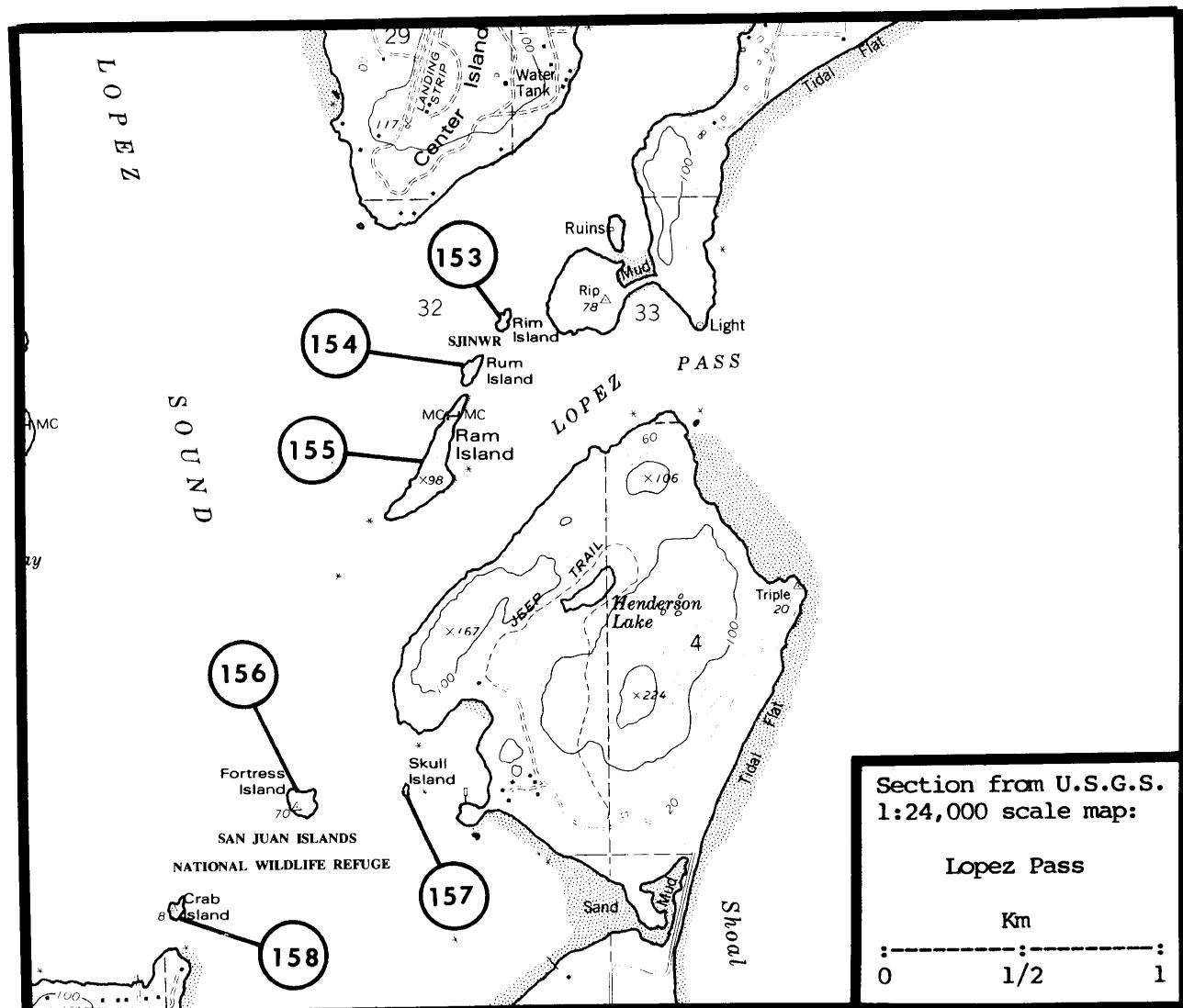
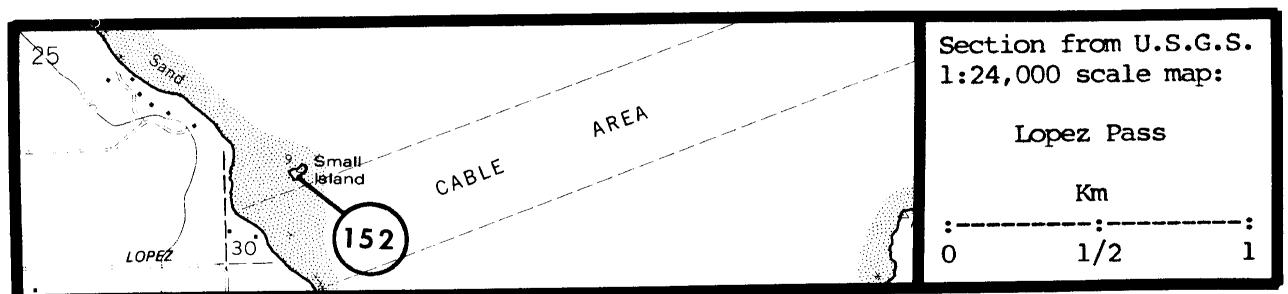
Pigeon Guillemot	20P	Pitman	06/21/78	B III 217
Total	20P			

Pigeon Guillemot	52	Thoresen & Galusha 1971 06-07/ ?/63	B III 264
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Pigeon Guillemot	0	Thoresen & Galusha 1971 06-07/ ?/70	B III 264
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(156) Fortress Island 48°27'56"N, 122°50'13"W

No Nesting Observed	0	Pitman	06/21/78	B III 217
Glaucous-winged Gull	30-60	Eddy	08/04/57	L III 95
Glaucous-winged Gull	54	Thoresen & Galusha 1971	06-07/ ?/63	L I 264
Glaucous-winged Gull	4	Galusha 1970	?/ ?/70	L I 110
Pigeon Guillemot	6	Thoresen & Galusha 1971	06-07/ ?/63	L III 264
Pigeon Guillemot	0	Galusha 1970	?/ ?/70	L III 110



AREA 156, Victoria (cont'd.)

(157)

Skull Island  $48^{\circ}27'57"N$ ,  $122^{\circ}49'55"W$

No Nesting Observed 0 Pitman 06/21/78 B III 217

(158)

Crab Island  $48^{\circ}27'44"N$ ,  $122^{\circ}50'36"W$

No Nesting Observed 0 Pitman 06/21/78 B III 217

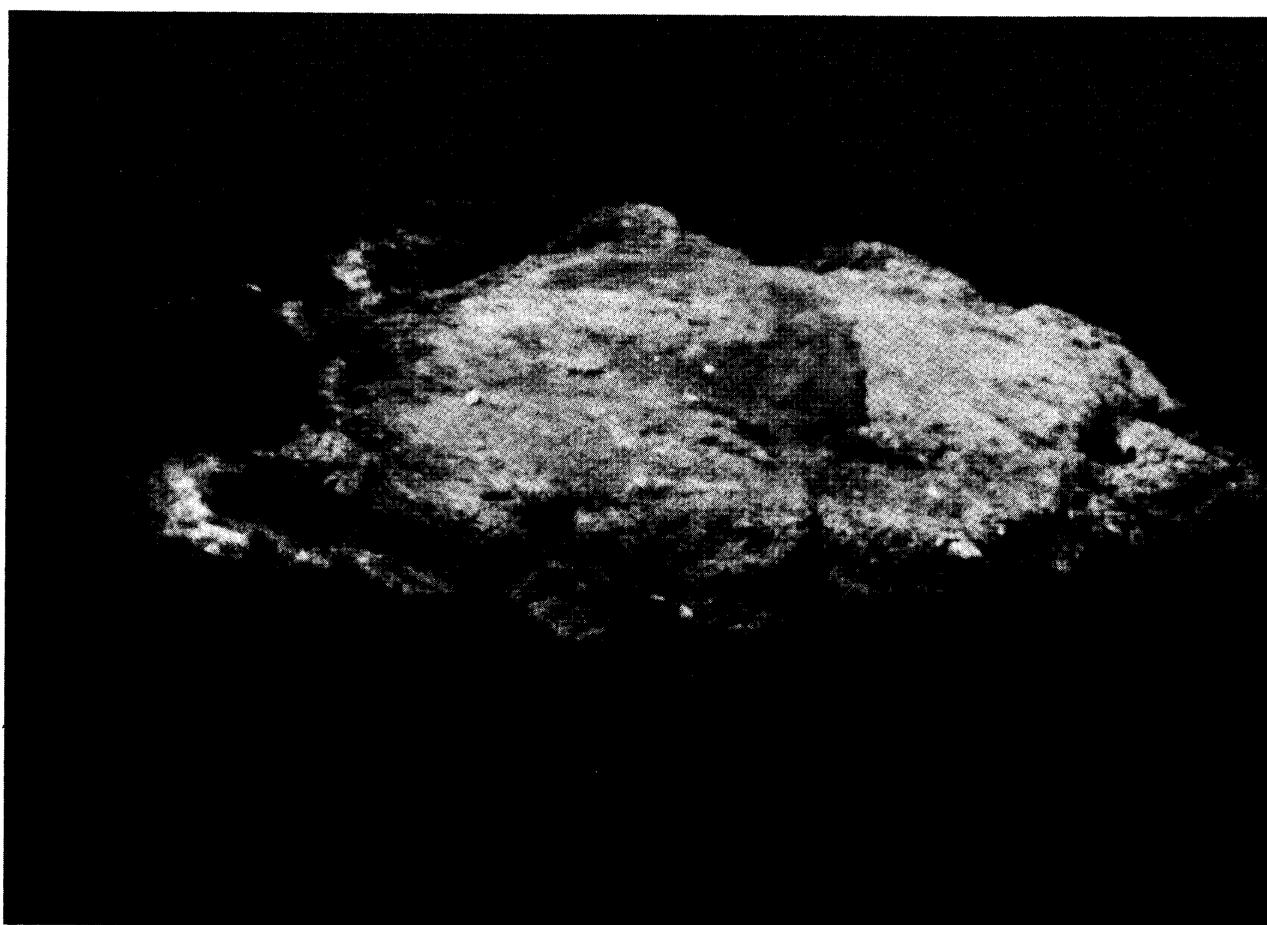
(159)

Belle Rocks<sup>1</sup>  $48^{\circ}29'35"N$ ,  $122^{\circ}45'12"W$

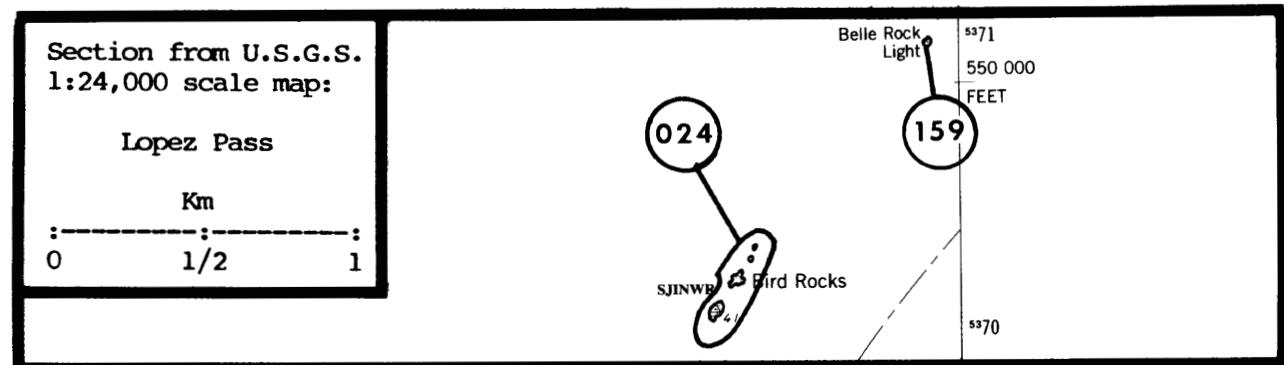
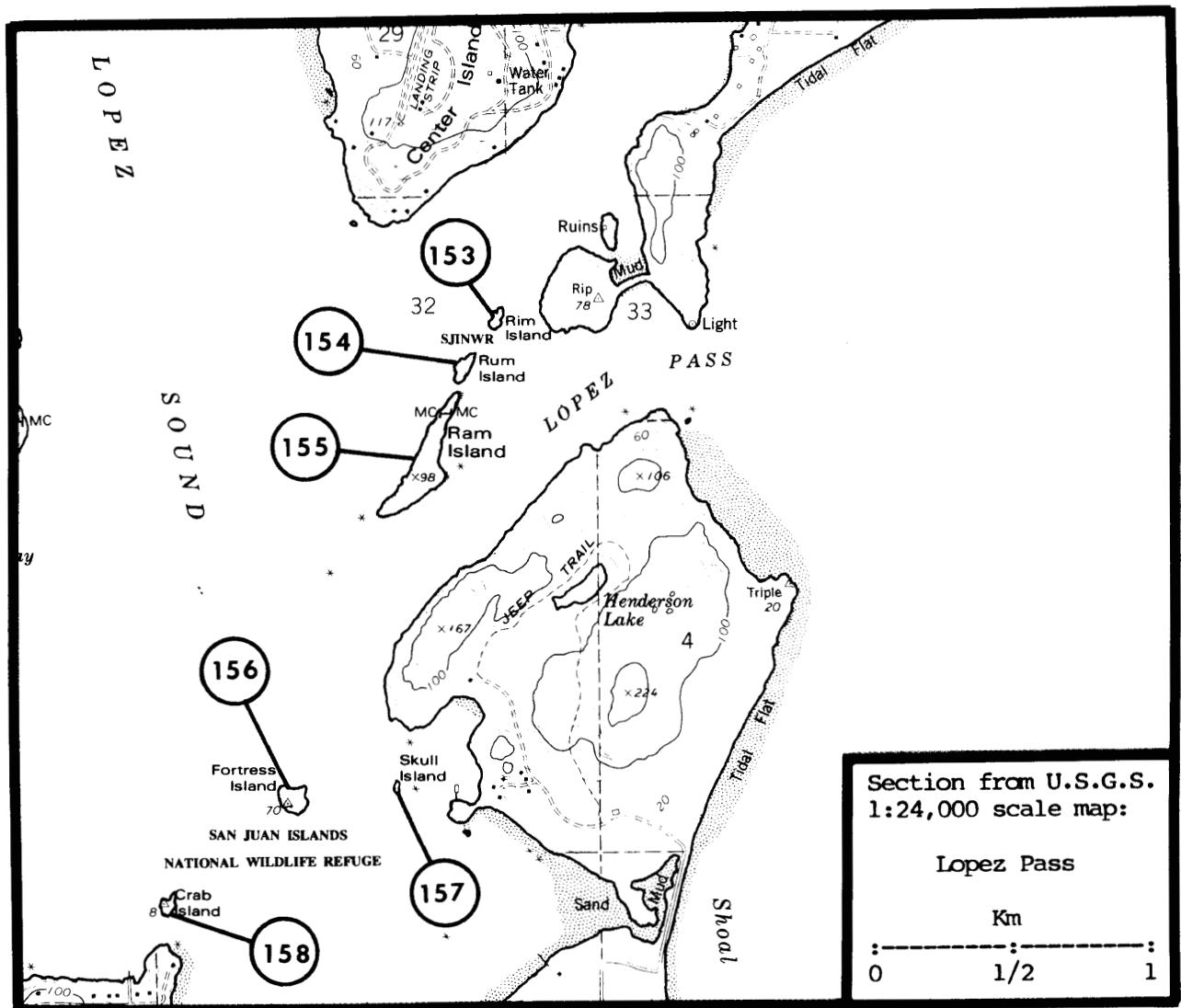
Unknown Species<sup>2</sup> P Einarsen 1925 early 1920's ? ? 103

<sup>1</sup>At present these rocks are submerged during most tide stages.

<sup>2</sup>Reported as used for nesting by unspecified species of marine birds.



Buck Island (156140) 19 July 1982 T.R. Wahl



AREA 156, Victoria (cont'd.)

(160)

Decatur Island<sup>1</sup> 48°30'35"N, 122°48'30"W

No Nesting Observed	0	Frazer 1973	07/17/73	B III 108
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<sup>1</sup>Insufficient data to show exact map location.

(161)

"Flint Beach Island" 48°25'12"N, 122°52'00"W

No Nesting Observed	0	Pitman	06/20/78	B III 217
No Nesting Observed	0	Eddy	06/03/61	B III 95

(162)

Aleck Rocks 48°25'23"N, 122°50'48"W

No Nesting Observed	0	Pitman	06/20/78	B III 217
No Nesting Observed	0	Eddy	06/03/61	B III 95

(163)

Swirl Island 48°25'07"N, 122°50'51"W

No Nesting Observed	0	Wahl	07/19/82	A III 269
No Nesting Observed	0	Eddy	06/03/61	B III 95
No Nesting Observed	0	Pitman	06/20/78	B III 217

(164)

Blind Island 48°25'27"N, 122°49'34"W

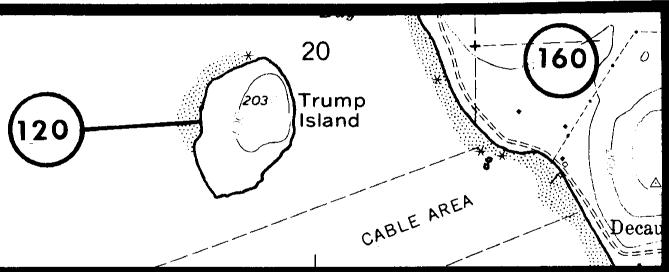
No Nesting Observed	0	Pitman	06/26/78	B III 217
No Nesting Observed	0	Eddy	06/03/61	B III 95

Section from U.S.G.S.  
1:24,000 scale map:

Blakely Island

Km

0 1/2 1

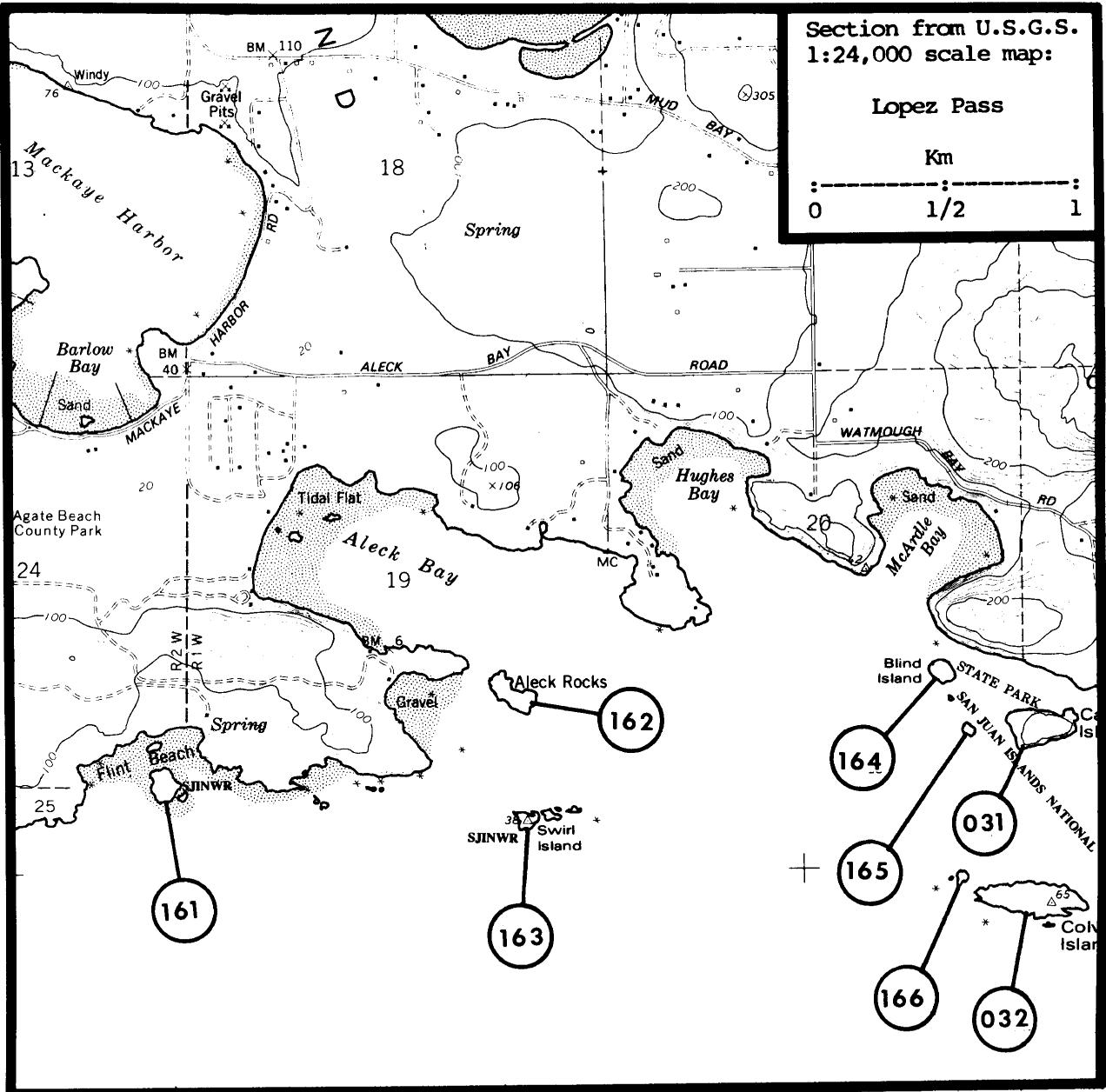


Section from U.S.G.S.  
1:24,000 scale map:

Lopez Pass

Km

0 1/2 1



AREA 156, Victoria (cont'd.)

(165)

"Unnamed Rock" 48°25'18"N, 122°49'29"W

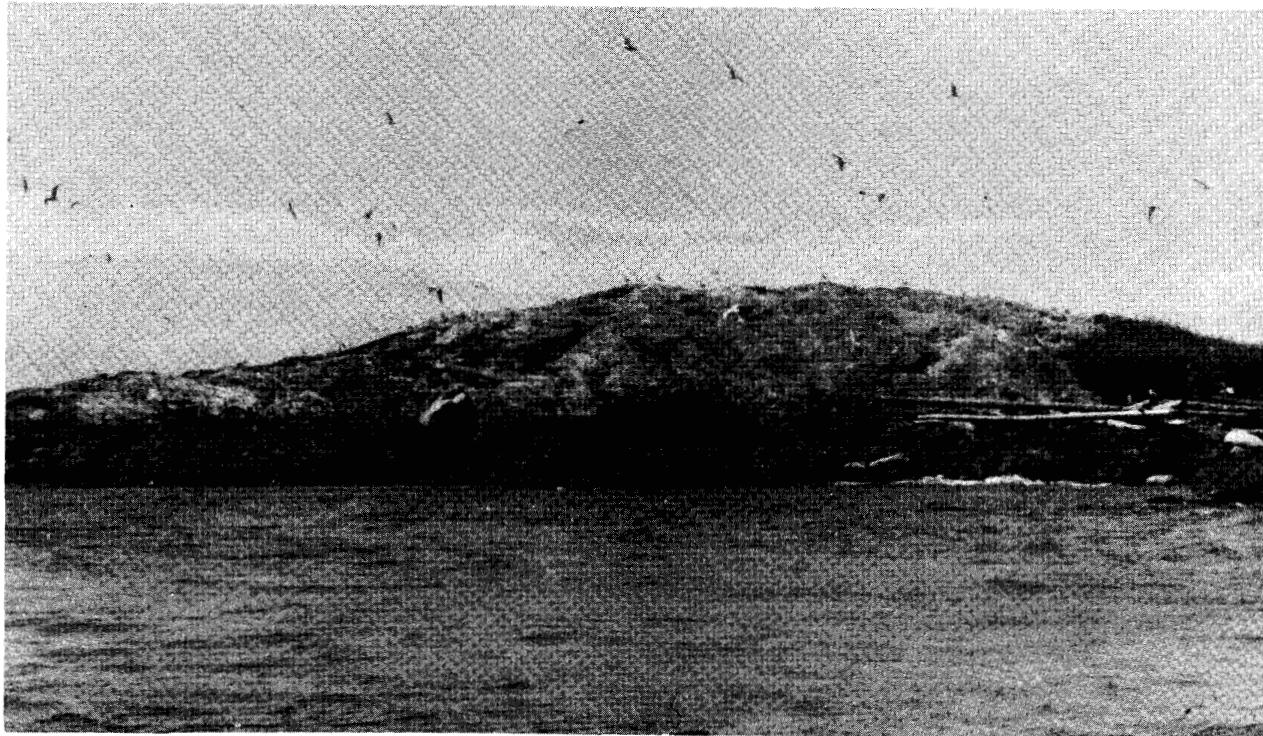
No Nesting Observed	0	Pitman	06/20/78	B III 217
Glaucous-winged Gull	12+	Eddy	07/03/61	B III 95

(166)

"Unnamed Rock" (Colville Annex) 48°25'00"N, 122°49'32"W

Double-crested Cormorant	60	Wahl	07/19/82	A II 269
Glaucous-winged Gull	150	Wahl	07/19/82	A III 269
Pigeon Guillemot	2	Pitman	06/20/78	B III 217
Total	212			

Glaucous-winged Gull	52	Thoresen & Galusha 1971	06-07/ ?/63	L I 264
Glaucous-winged Gull	118	Thoresen & Galusha 1971	06-07/ ?/70	L I 264
Glaucous-winged Gull	80	Pitman	06/20/78	B II 217



Secar Rock (156148) USF&WS

Section from U.S.G.S.  
1:24,000 scale map:

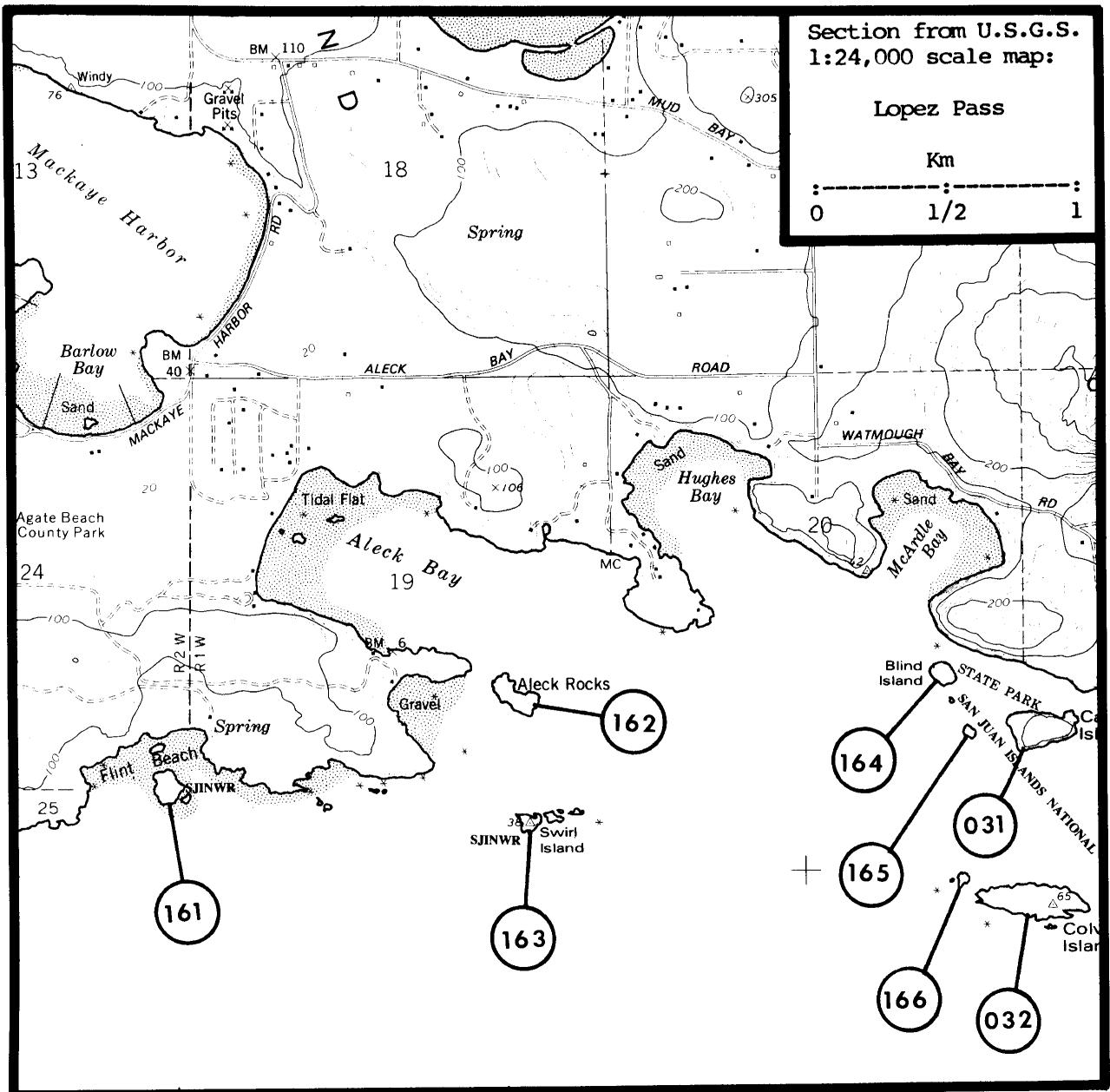
Lopez Pass

Km

0

1/2

1



AREA 156, Victoria (cont'd.)

(167)

Boulder Island  $48^{\circ}25'58"N$ ,  $122^{\circ}48'02"W$

Pigeon Guillemot	2	Wahl	04/30/79	B III 269
No Nesting Observed	0	Pitman	06/20/78	B III 217
No Nesting Observed	0	Wahl	07/19/82	A III 269
Glaucous-winged Gull	4P	Eddy	07/03/61	L III 95
Pigeon Guillemot	11	Wahl	05/19/78	B III 269

(168)

Burrows Island  $48^{\circ}28'48"N$ ,  $122^{\circ}42'06"W$

Pigeon Guillemot	12	Wahl	06/14/79	B III 269
Pigeon Guillemot	3	Wahl	05/19/78	B III 269

(169)

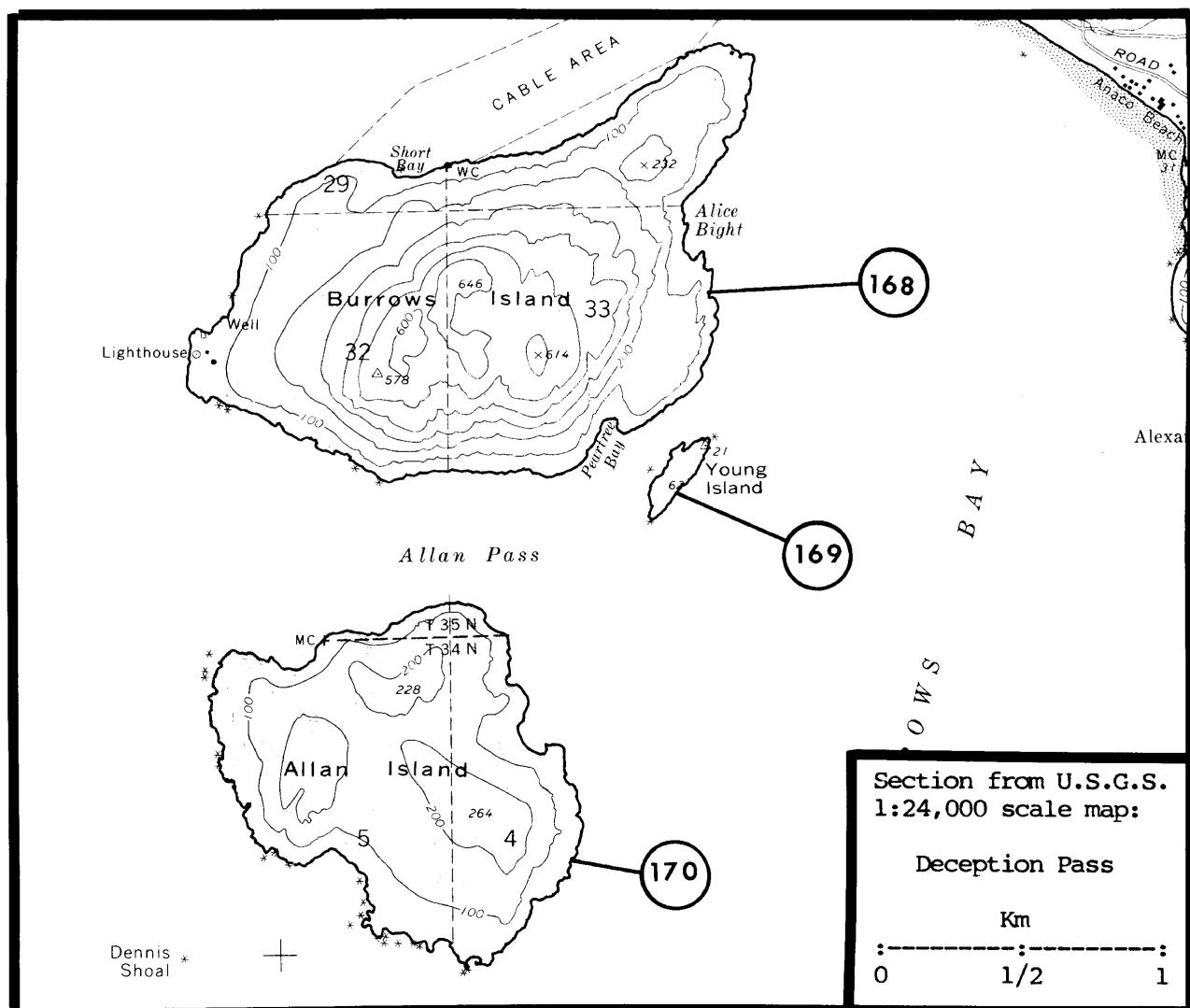
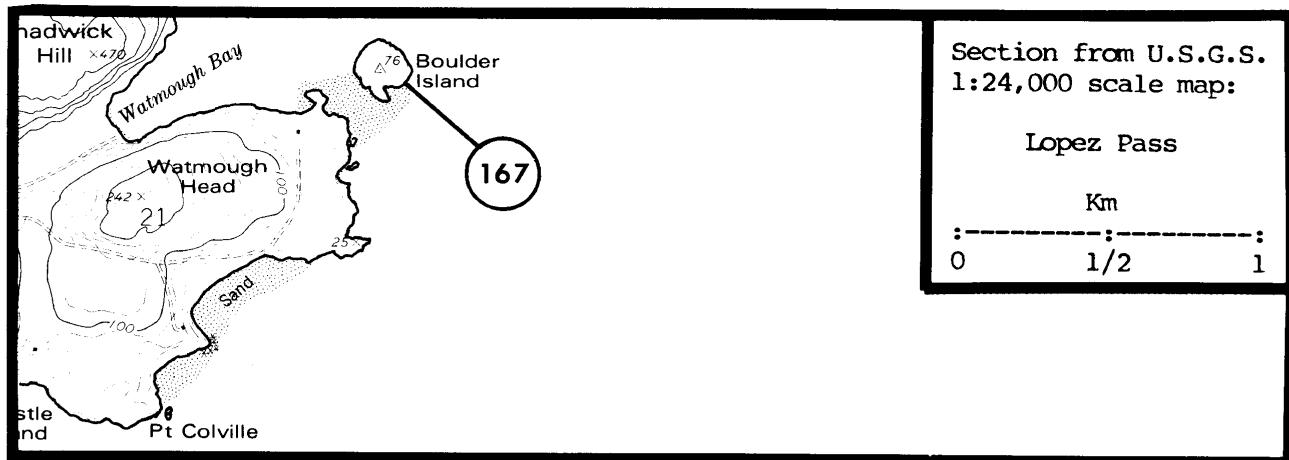
Young Island  $48^{\circ}28'32"N$ ,  $122^{\circ}41'22"W$

No Nesting Observed	0	Pitman	06/21/78	B III 217
No Nesting Observed	0	Eddy 1975	06/15/75	B III 94

(170)

Allan Island  $48^{\circ}27'55"N$ ,  $122^{\circ}42'12"W$

Pigeon Guillemot	2	Wahl	06/14/79	B III 269
Pigeon Guillemot	1	Edson 1929	06/13/05	L III 98
Pigeon Guillemot	4	Wahl	05/19/78	B III 269



AREA 156, Victoria (cont'd.)

(171) Sares Head  $48^{\circ}26'00"N, 122^{\circ}40'30"W$

Pigeon Guillemot X Thoresen & Booth 1958 06-09/ ?/57 L III 263

(172) Northwest Island  $48^{\circ}25'09"N, 122^{\circ}40'06"W$

Pelagic Cormorant	10	Wahl	05/17/79	B II 269
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Pigeon Guillemot 2 Thoresen & Booth 1958 06-09/ ?/57 L I 263

(173) Deception Island  $48^{\circ}24'27"N, 122^{\circ}40'05"W$

Pigeon Guillemot 36 Thoresen & Booth 1958 06-09/ ?/57 L II 263

(174) Pass Island  $48^{\circ}24'25"N, 122^{\circ}38'33"W$

No Nesting Observed	0	Wahl	06/14/79	B III 269
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No Nesting Observed 0 Wahl Summer/78 B III 269

(175) Strawberry Island  $48^{\circ}24'26"N, 122^{\circ}37'50"W$

No Nesting Observed	0	Wahl	06/07/79	A III 269
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No Nesting Observed 0 Wahl 05/24/78 A III 269

No Nesting Observed 0 Wahl 06/07/78 A III 269

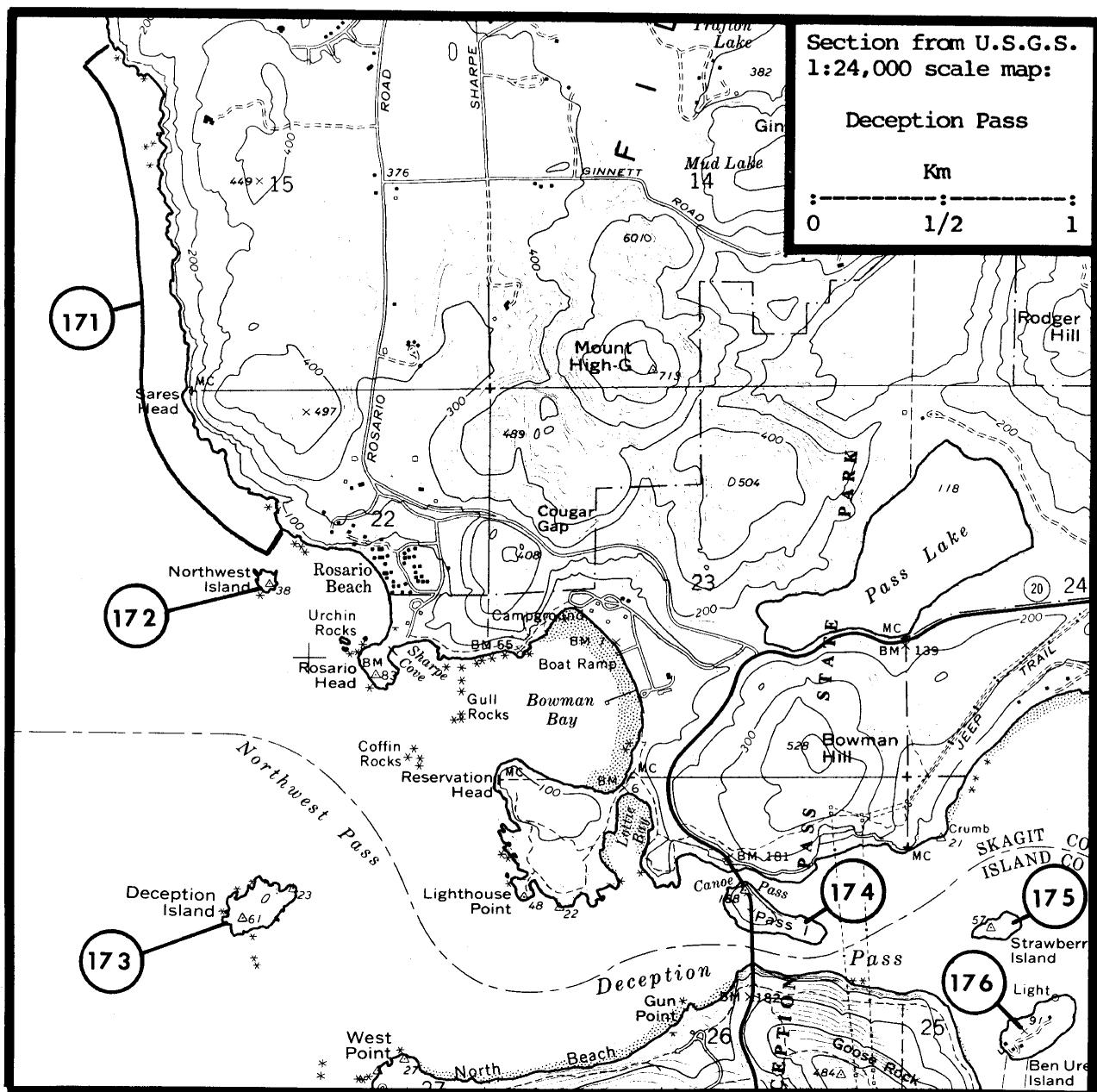
(176) Ben-Ure Island  $48^{\circ}24'12"N, 122^{\circ}37'43"W$

No Nesting Observed 0 Speich & Wahl 07/06/82 A III 257

Section from U.S.G.S.  
1:24,000 scale map:

Deception Pass

Km  
0 1/2 1



## AREA 156, Victoria (cont'd.)

(177)

Swinomish Islands, west    48°28'15"N, 122°31'27"W

Glaucous-winged Gull	-400	Speich & Wahl	07/06/82	A III 257
Glaucous-winged Gull	270B	Wahl	07/19/69	L III 269
Glaucous-winged Gull	360B	Wahl	07/18/70	L III 269
Glaucous-winged Gull	500B	Wahl	07/17/71	L III 269
Glaucous-winged Gull	1000B	Wahl	07/10/73	L III 269
Glaucous-winged Gull	520B	Wahl	07/06/74	L III 269
Glaucous-winged Gull	560B	Wahl	07/09/75	L III 269
Glaucous-winged Gull	1070B	Wahl	07/09/76	L III 269
Glaucous-winged Gull	1286	Wahl	06/06/77	L II 269
Glaucous-winged Gull	600B	Wahl	07/12/77	L III 269
Glaucous-winged Gull	X	Harrington-Tweit	03/04/78	M III 124
Glaucous-winged Gull	410B	Wahl	07/13/78	L III 269
Glaucous-winged Gull	X	Speich & Wahl	Summer/79	M III 257
Glaucous-winged Gull	X	Speich & Wahl	Summer/80	M III 257
Glaucous-winged Gull	X	Wahl	07/03/81	M III 269

(178)

Swinomish Islands, east    48°27'40"N, 122°30'38"W

No Nesting Observed	0	Speich & Wahl	07/06/82	A III 257
No Nesting Observed	0	Wahl	07/19/69	M III 269
No Nesting Observed	0	Wahl	07/18/70	M III 269
No Nesting Observed	0	Wahl	07/17/71	M III 269
No Nesting Observed	0	Wahl	07/10/73	M III 269
No Nesting Observed	0	Wahl	07/06/74	M III 269
No Nesting Observed	0	Wahl	07/09/75	M III 269
No Nesting Observed	0	Wahl	07/09/76	M III 269
No Nesting Observed	0	Wahl	06/06/77	M III 269
No Nesting Observed	0	Wahl	07/12/77	M III 269
No Nesting Observed	0	Wahl	07/13/78	M III 269
No Nesting Observed	0	Speich & Wahl	Summer/79	M III 257
No Nesting Observed	0	Speich & Wahl	Summer/80	M III 257
No Nesting Observed	0	Wahl	07/03/81	M III 269

(179)

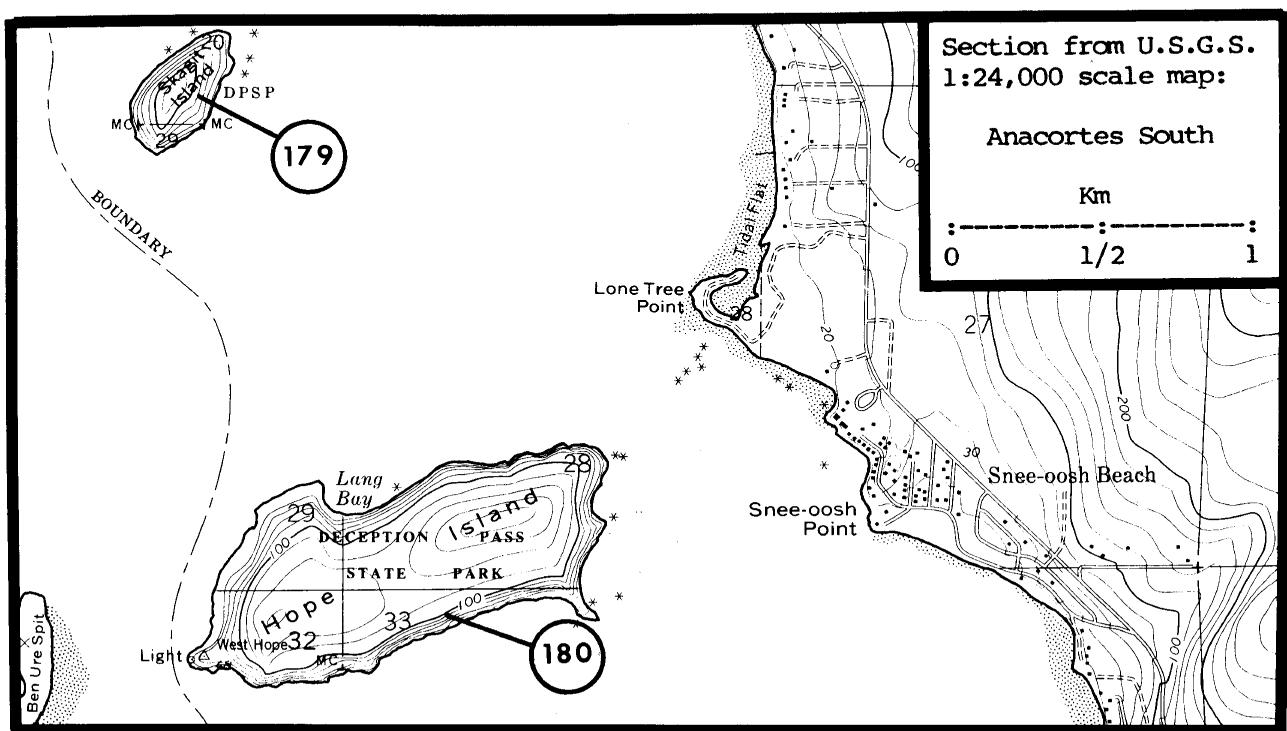
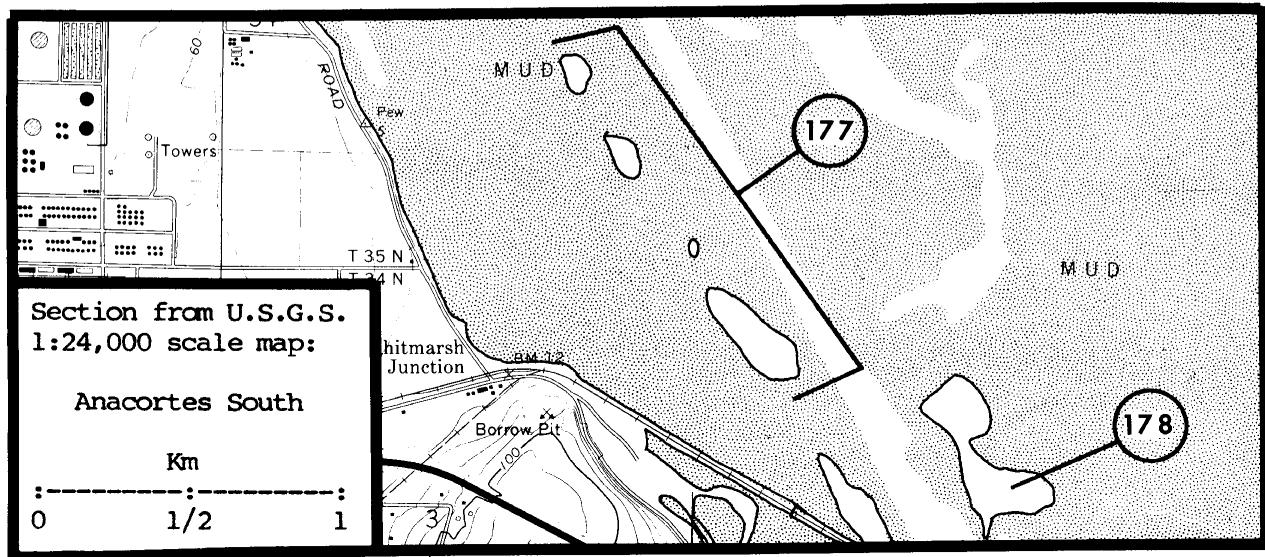
Skagit Island    48°24'48"N, 122°34'42"W

No Nesting Observed	0	Speich & Wahl	07/06/82	A III 257
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(180)

Hope Island    48°23'54"N, 122°34'06"W

No Nesting Observed	0	Speich & Wahl	07/06/82	A III 257
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## AREA 156, Victoria (cont'd.)

(181)

Smith and Minor Islands 48°19'16"N, 122°49'47"W

Pelagic Cormorant <sup>1</sup>	440	Nisqually NWR	06/15-17/82	L II 202
Black Oystercatcher	40	Nisqually NWR	06/15-17/82	L II 202
Glaucous-winged Gull	1060	Nisqually NWR	06/15-17/82	L III 202
Pigeon Guillemot	102	Nisqually NWR	06/15-17/82	L II 202
Rhinoceros Auklet <sup>1</sup>	2588	Nisqually NWR	06/15-17/82	L III 202
Tufted Puffin <sup>1</sup>	8	Nisqually NWR	06/15-17/82	L I 202
Total	4238			

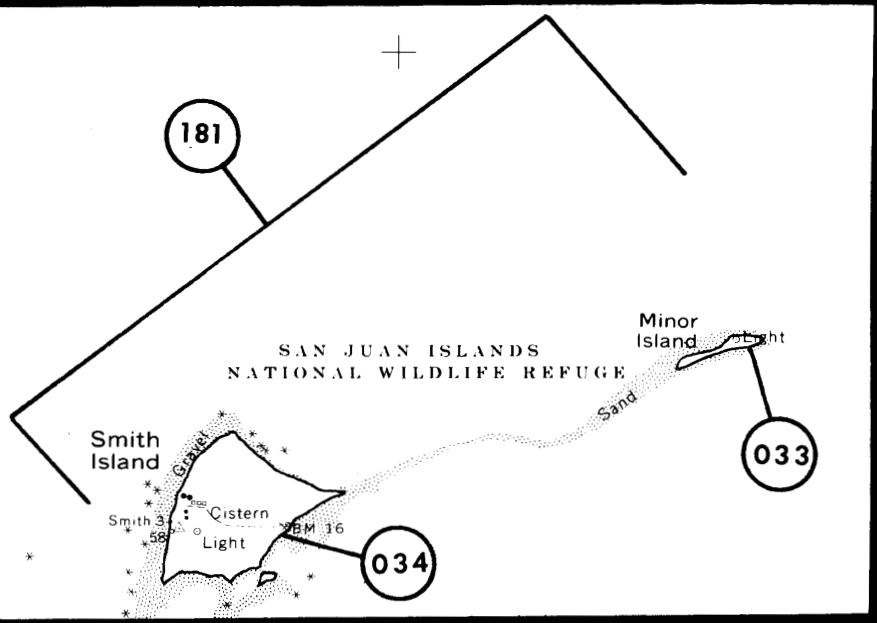
Double-crested Cormorant <sup>1</sup>	20?	Newby	07/20/72	L III 201
Pelagic Cormorant <sup>1</sup>	70	Hauser & Monson 1963	07/16-17/63	B III 145
Pelagic Cormorant <sup>1</sup>	14	Newby	07/20/72	L I 201
Pelagic Cormorant <sup>1</sup>	28	Manuwal 1973; Manuwal	05/27-28/73	L I 202;188
Pelagic Cormorant <sup>1</sup>	282	Nisqually NWR	06/25/79	L I 202
Black Oystercatcher	several	X Menzies 1792	06/06/1792	? ? 195
Black Oystercatcher	6	Nisqually NWR	08/21-23/67	L II 202
Black Oystercatcher	12	Manuwal 1973; Manuwal	05/27-28/73	L I 186;188
Black Oystercatcher	24	Nisqually NWR	06/25/79	L III 202
Glaucous-winged Gull	300	Hauser & Monson 1963	07/16-17/63	B III 145
Glaucous-winged Gull	500	Nisqually NWR	08/21-23/67	L III 202
Glaucous-winged Gull	10	Manuwal 1973; Manuwal	05/27-28/73	L III 186;188
Glaucous-winged Gull	220	Nisqually NWR	06/25/79	L II 202
Glaucous-winged Gull	X Wahl		07/19/82	A III 269
Pigeon Guillemot	2	Dennison	04/21/1894	E - 84
Pigeon Guillemot	2	Jewett et al. 1953	05/09/1894	E - 158
Pigeon Guillemot	2	Dennison	05/09/1894	E - 85
Pigeon Guillemot	2	Dennison	04/29/1895	E - 84
Pigeon Guillemot	100	Cantwell	09/14/14	L III 51
Pigeon Guillemot	X	Cantwell	06/ ?/16	? ? 52
Pigeon Guillemot	200	Cantwell	06/06-08/16	L III 51
Pigeon Guillemot	50	Cantwell	04/17-21/17	L III 51
Pigeon Guillemot	10	Hauser & Monson 1963	07/16-17/63	B III 145
Pigeon Guillemot	100+	Manuwal 1973; Manuwal	05/27-28/73	L III 186;188
Pigeon Guillemot	8	Wahl; Paulson	07/05/78	A III 269;207
Pigeon Guillemot	117	Nisqually NWR	06/25/79	L III 202
Pigeon Guillemot	18	Wahl & Speich	06/25/79	A III 271
Rhinoceros Auklet <sup>1</sup>	X Hepburn		pre-1884	? III 130
Rhinoceros Auklet <sup>1</sup>	2	Dennison	05/10/1894	E - 83
Rhinoceros Auklet <sup>1</sup>	6	Dennison	04/21/1895	E - 85
Rhinoceros Auklet <sup>1</sup>	2	Dennison	04/23/1895	E - 85
Rhinoceros Auklet <sup>1</sup>	2	Dennison	04/21,22&24/1895	E - 83
Rhinoceros Auklet <sup>1</sup>	2	Dennison	04/29/1895	E - 86
Rhinoceros Auklet <sup>1</sup>	2	Dennison	04/25/1899	E - 86
Rhinoceros Auklet <sup>1</sup>	2	Dennison	04/26/1899	E - 86
Rhinoceros Auklet <sup>1</sup>	2	Dennison	04/29/1899	E - 86
Rhinoceros Auklet <sup>1</sup>	2	Dennison	05/08/1899	E - 86
Rhinoceros Auklet <sup>1</sup>	2	Dennison	06/03/1899	E - 86
Rhinoceros Auklet <sup>1</sup>	X Nisqually NWR		08/21-23/67	L III 202
Rhinoceros Auklet <sup>1</sup>	742	Manuwal 1973; Manuwal	05/27-28/73	L III 186;188

Section from U.S.G.S.  
1:24,000 scale map:

Smith Island

Km  
0 1/2 1

BOUNDARY



Rhinoceros Auklet <sup>1</sup>	1200	Manuwal 1977	05-06/ ?/74	L III 187
Rhinoceros Auklet <sup>1</sup>	2388	Nisqually NWR	06/25/79	L III 202
Tufted Puffin <sup>1</sup>	X	Cantwell	09/06/14	L III 51
Tufted Puffin <sup>1</sup>	500	Cantwell	09/14/14	L III 51
Tufted Puffin <sup>1</sup>	-150	Cantwell	Summer/15?	L III 51
Tufted Puffin <sup>1</sup>	150	Cantwell	06/06-08/16	L III 51
Tufted Puffin <sup>1</sup>	150?	Cantwell	Summer/17?	L III 51
Tufted Puffin <sup>1</sup>	1P	Manuwal 1973; Manuwal	05/27-28/73	L III 186;188
Tufted Puffin <sup>1</sup>	44	Nisqually NWR	06/25/79	L III 202

<sup>1</sup>Nesting on Smith Island only.

AREA 156, Victoria (cont'd.)

(182)

Agate Bay  $48^{\circ}09'30''N$ ,  $123^{\circ}44'00''W$

Pigeon Guillemot      117      Speich      05/31/78      M III 255



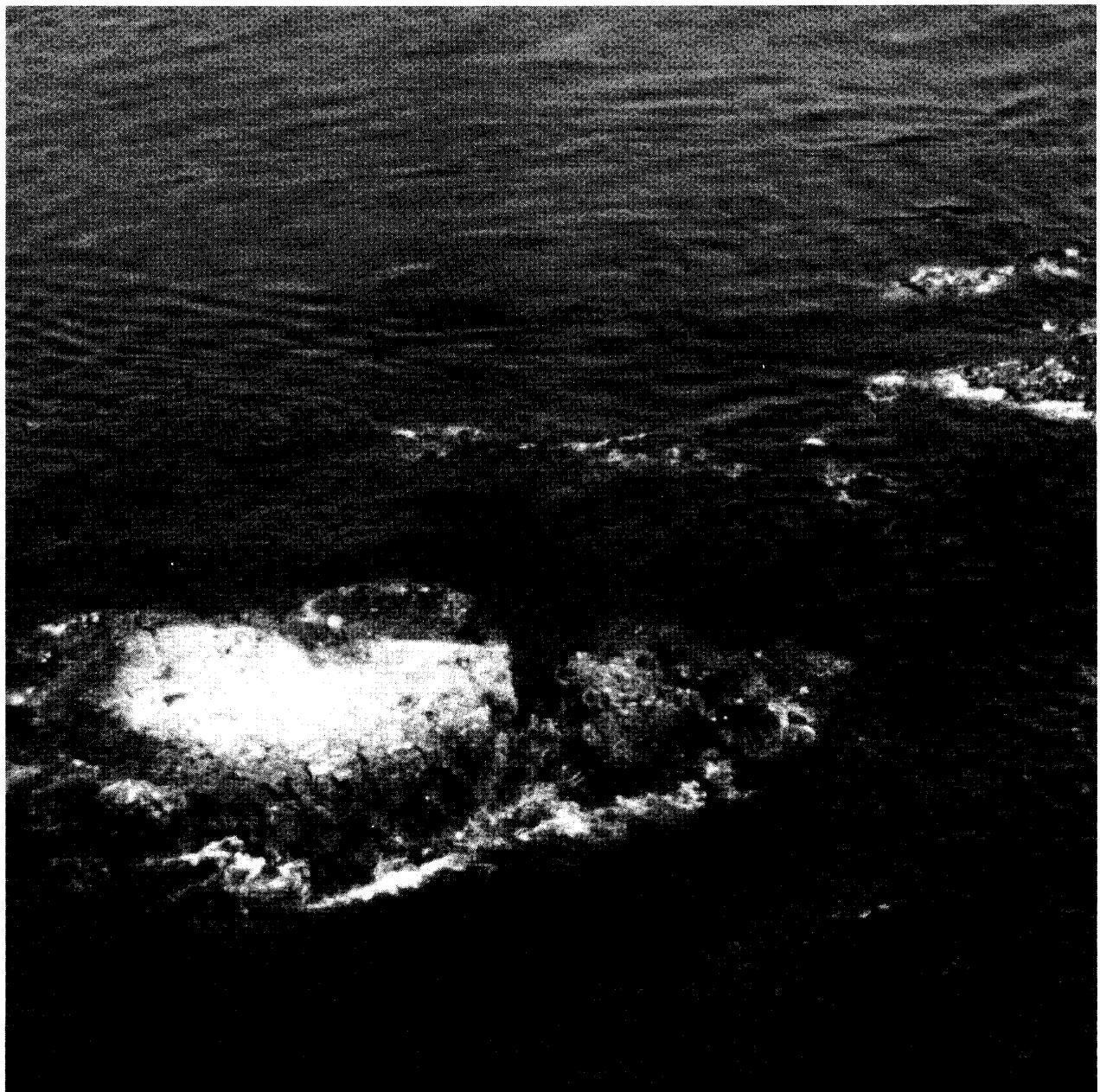
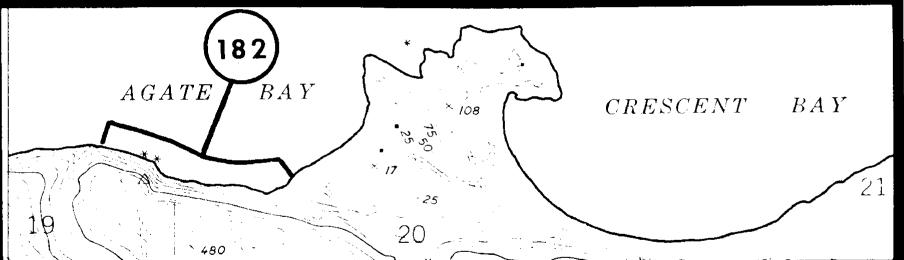
Iceburg Island (156151) 19 July 1982 T.R. Wahl

Section from U.S.G.S.  
1:24,000 scale map:

Joyce

Km

0            1/2            1



Unnamed Rock ("Colville Annex") (156166) 19 July 1982 T.R. Wahl

AREA 156, Victoria (cont'd.)

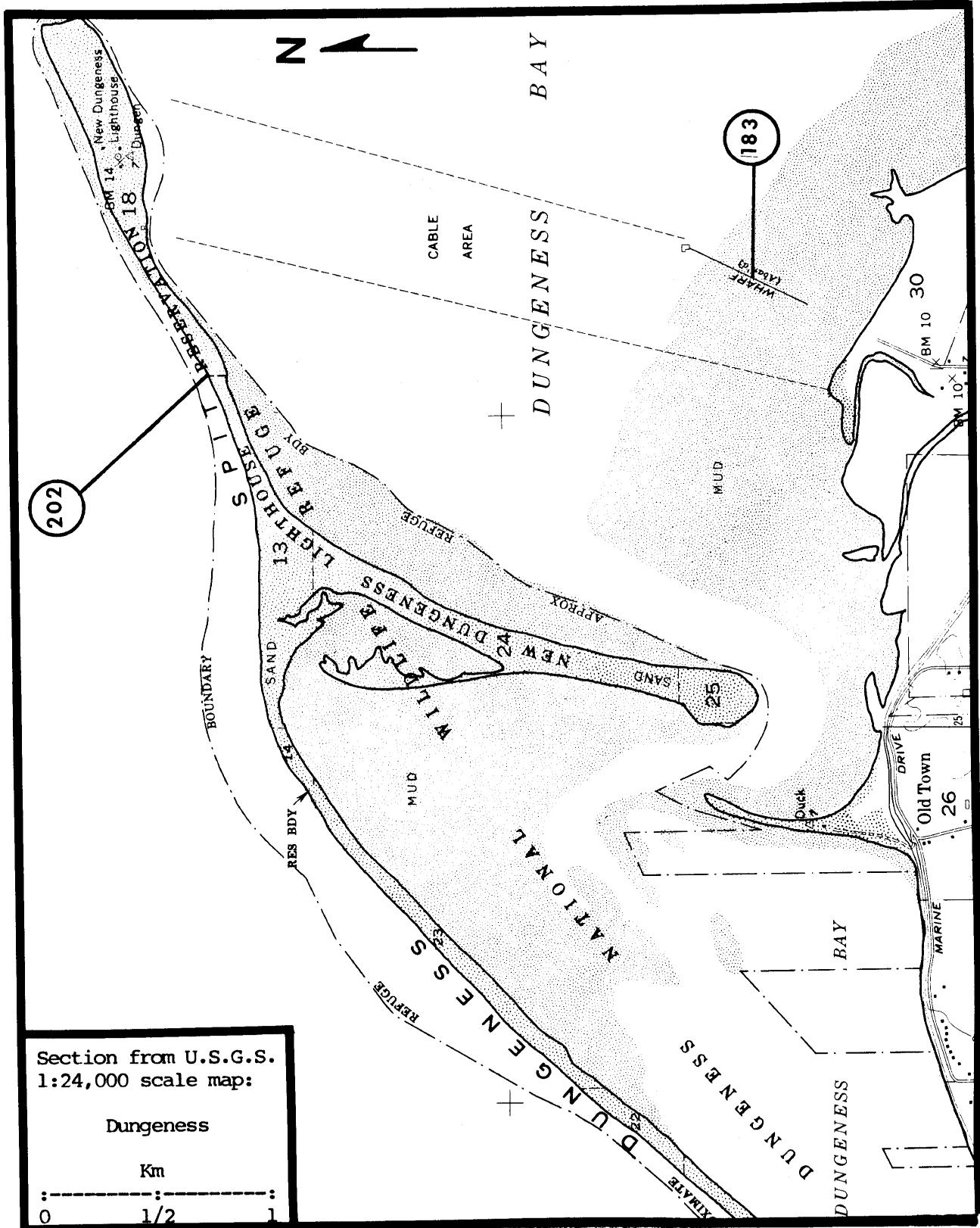
(183)

Dungeness, wharf    48°09'30"N, 123°06'54"W

Pelagic Cormorant	44	Speich	08/07/79	B II 255
Glaucous-winged Gull	20	Speich	08/07/79	B II 255
Total	<u>64</u>			



Pass Island (156174)(bridge) Northwest Island (156172) (upper right) Deception Island (156173)(left) 1978 S.G. Herman



AREA 156, Victoria (cont'd.)

(184)

Point Partridge  $48^{\circ}13'51"N, 122^{\circ}46'00"W$

Pigeon Guillemot	20	Wahl	07/17/82	L III 269
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Pigeon Guillemot	6	Wahl	06/13/79	L III 269
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(185)

Penn Cove, north shore  $48^{\circ}14'22"N, 122^{\circ}41'45"W$

Pigeon Guillemot	50	Wahl	07/12/82	L III 259
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(186)

Blowers Bluff  $48^{\circ}14'30"N, 122^{\circ}39'40"W$

Pigeon Guillemot	11	Wahl	07/12/78	L III 269
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(187)

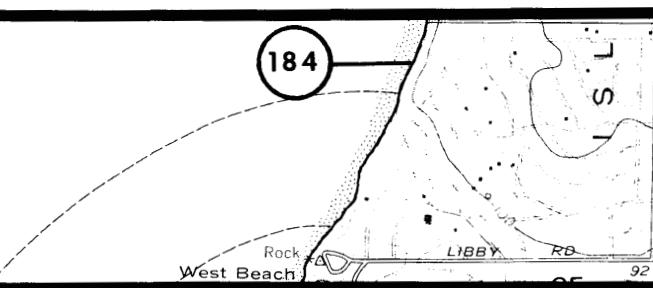
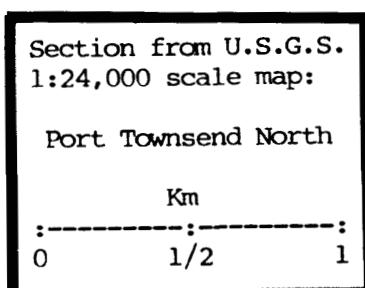
Penn Cove, southwest shore  $48^{\circ}13'00"N, 122^{\circ}43'25"W$

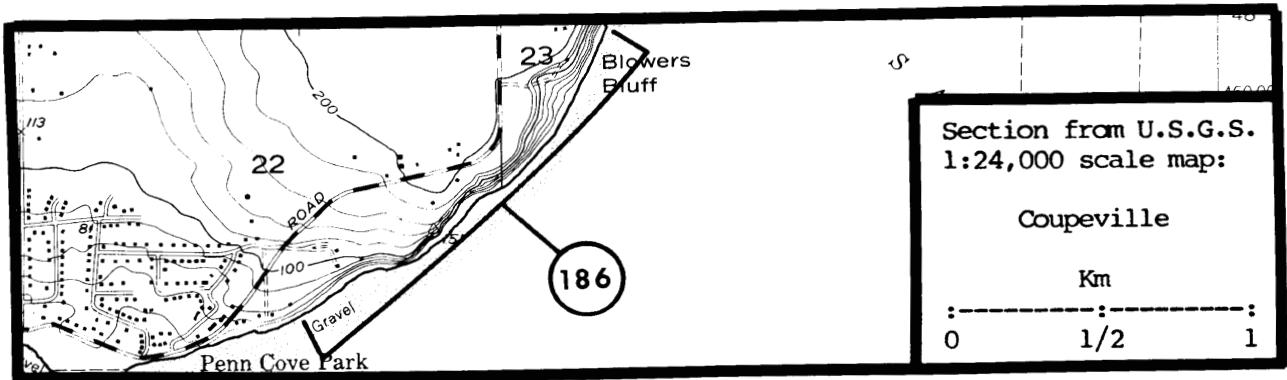
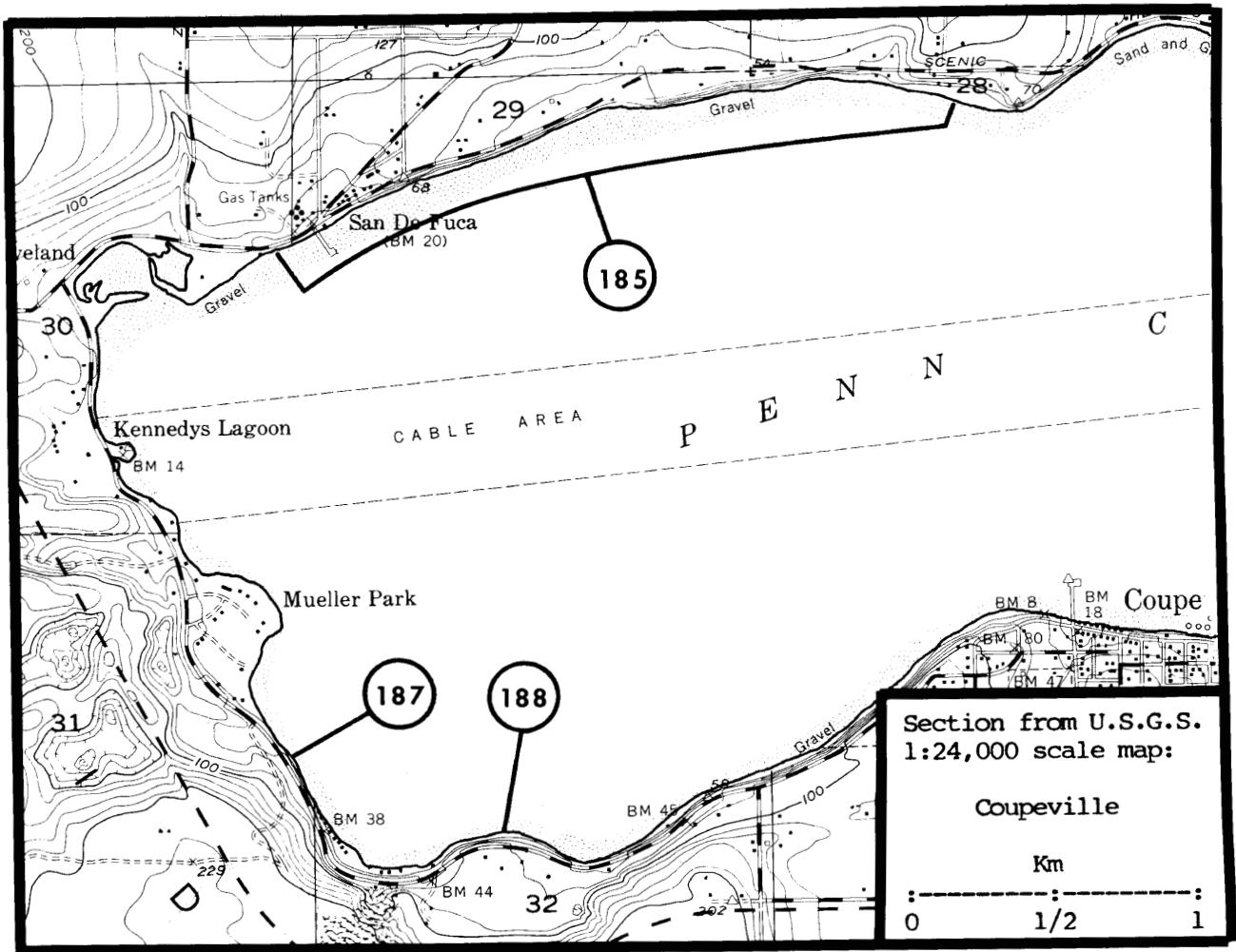
Pigeon Guillemot	16	Wahl	07/12/78	L III 269
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(188)

Penn Cove, south shore  $48^{\circ}12'52"N, 122^{\circ}43'00"W$

Pigeon Guillemot	5	Wahl	07/12/78	L III 269
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AREA 156, Victoria (cont'd.)

(189)

Keystone, wharf 48°09'28"N, 122°40'09"W

Pigeon Guillemot

6 Wahl

07/17/82

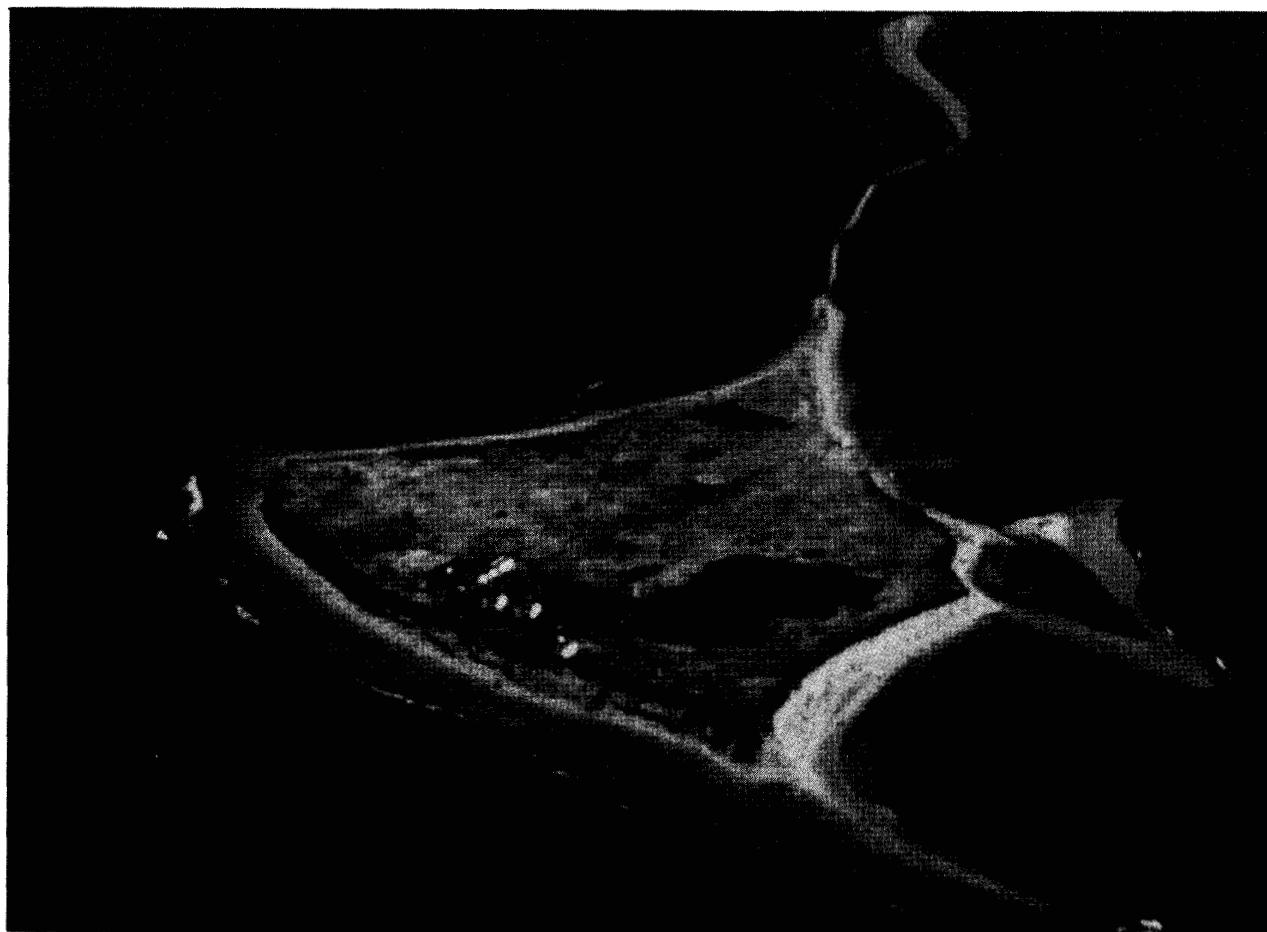
L III 269

(190)

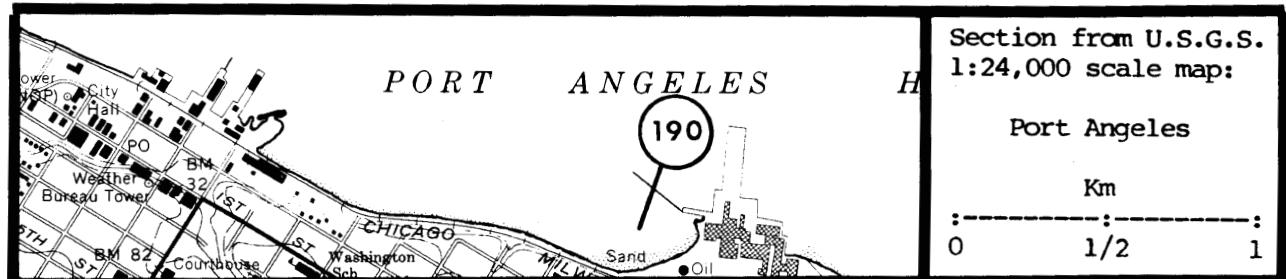
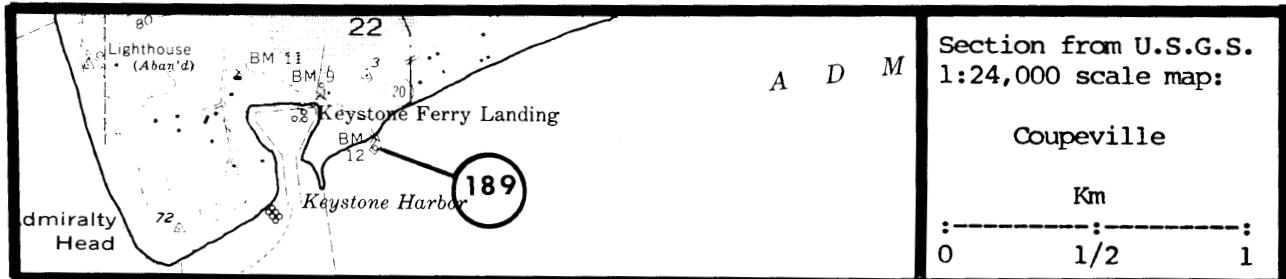
Port Angeles 48°07'02"N, 123°24'38"W

Pelagic Cormorant	58	Harrington-Tweit	08/15/78	M I 124
Pigeon Guillemot		P Harrington-Tweit	08/15/78	L III 124
Total	58			

Pelagic Cormorant	30	Harrington-Tweit	04/08/78	M I 124
Pelagic Cormorant	62	Harrington-Tweit	05/05/78	M I 124
Pelagic Cormorant	76	Speich	05/31/78	M I 255
Pelagic Cormorant	X	Speich	08/22/78	M III 255



Smith and Minor Islands (156181) USF&WS



Dungeness, wharf (156183) 1979 S.M. Speich Pelagic Cormorants and Glaucous-winged Gulls

AREA 156, Victoria (cont'd.)

(191)

Port Williams  $48^{\circ}07'00"N, 123^{\circ}03'00"W$

Pigeon Guillemot	34	Speich	05/23/79	B III 255
Pigeon Guillemot	33	Speich	05/26/78	B III 255

(192)

Travis Spit  $48^{\circ}04'50"N, 123^{\circ}02'00"W$

Pigeon Guillemot	22	Speich	05/23/79	B III 255
Pigeon Guillemot	P	Speich	03/21/78	B III 255
Pigeon Guillemot	16	Speich	04/28/78	B III 255

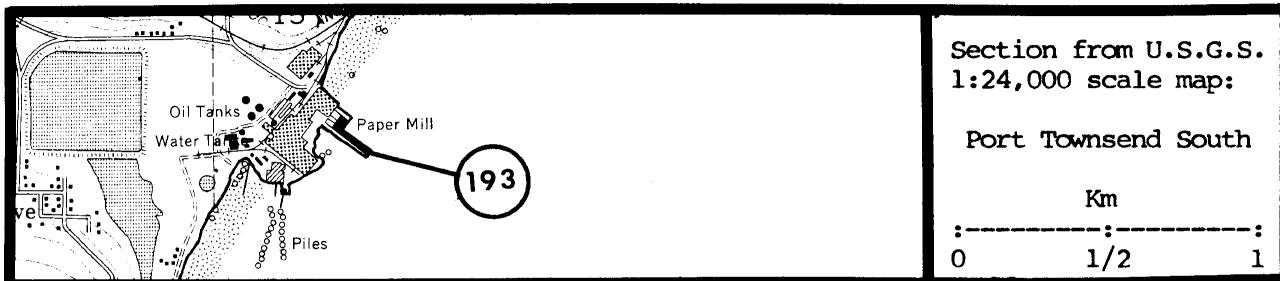
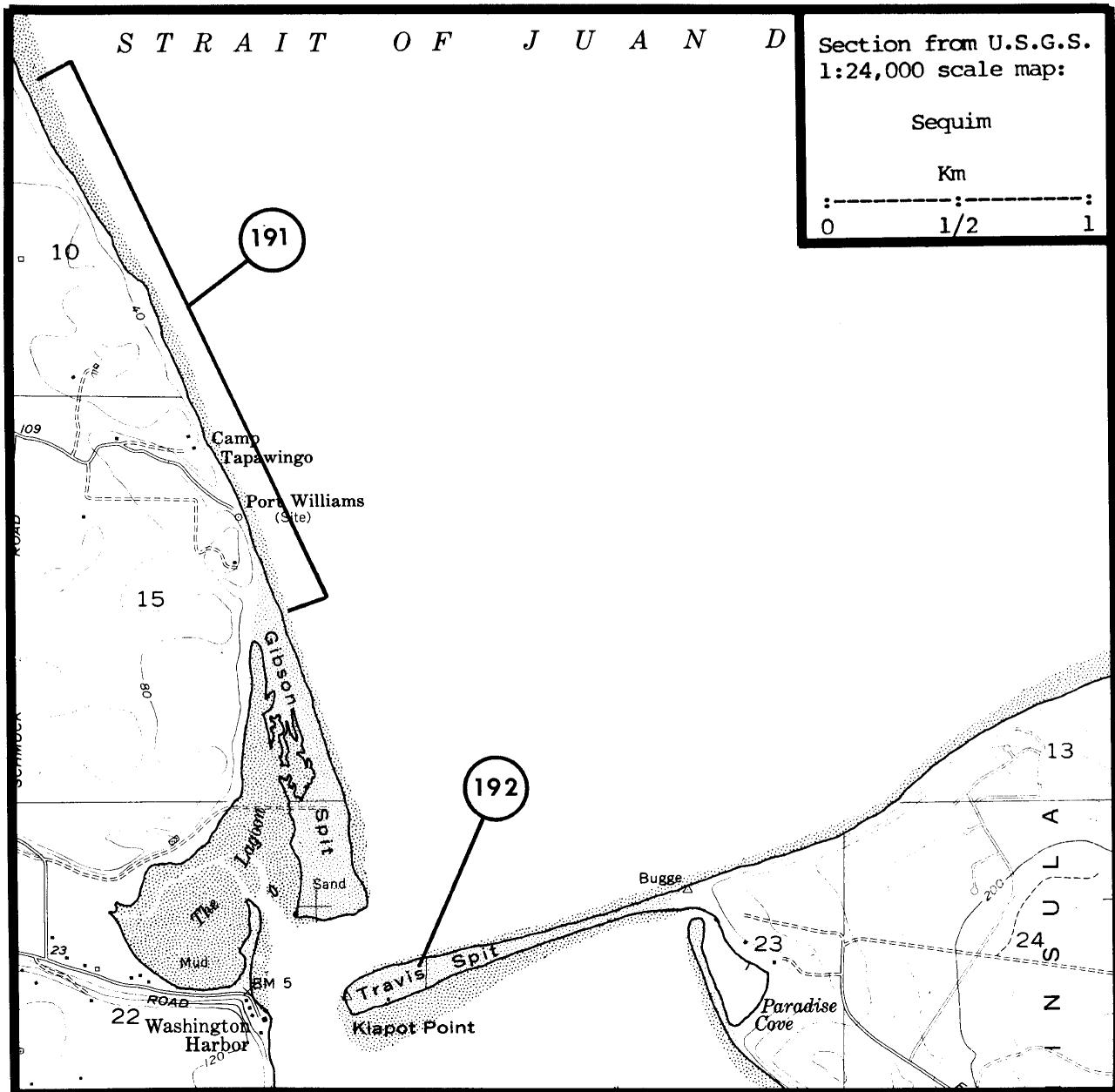
(193)

Port Townsend, mill dock  $48^{\circ}05'34"N, 122^{\circ}47'28"W$

Pigeon Guillemot	4	Speich & Wahl	06/29/82	B III 257
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Port Angeles (156190) 1979 S.M. Speich Pelagic Cormorants



AREA 156, Victoria (cont'd.)

(194)

Port Townsend, bluffs 48°06'38"N, 122°45'46"W

Pigeon Guillemot	10	Speich & Wahl	06/29/82	B III 257
Pigeon Guillemot	X	Speich	Summer/78	L III 255
Pigeon Guillemot	X	Speich	Summer/79	L III 255

(195)

Port Townsend, tower 48°05'36"N, 122°44'00"W

Pelagic Cormorant	130±	Wahl	07/19/82	A II 269
Pelagic Cormorant	100±	Eddy	08/28/55	B III 95
Pelagic Cormorant	60	Speich	07/11/79	B II 255
Pelagic Cormorant	80+	Speich & Wahl	06/29/82	B III 257
Pelagic Cormorant	110-120	Speich & Wahl	07/06/82	A II 269

(196)

Indian Island, bar 48°05'23"N, 122°44'00"W

Black Oystercatcher	3	Speich & Wahl	06/29/82	L III 257
Glaucous-winged Gull	100	Speich & Wahl	06/29/82	L III 257
Total	103			

Glaucous-winged Gull 0 Eddy 08/26-28/55 B III 95

(197)

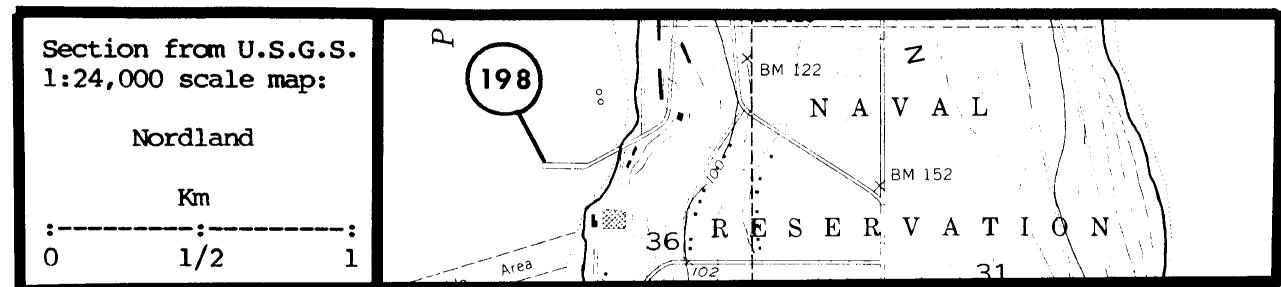
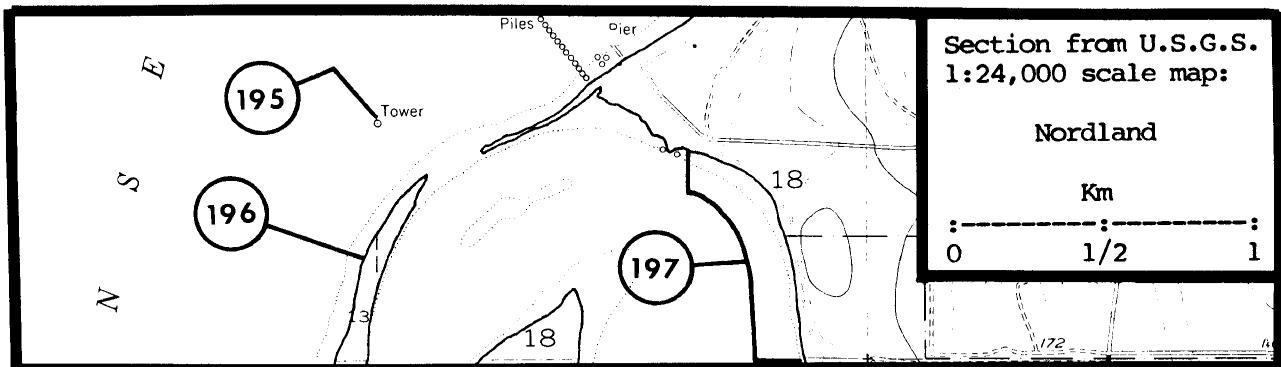
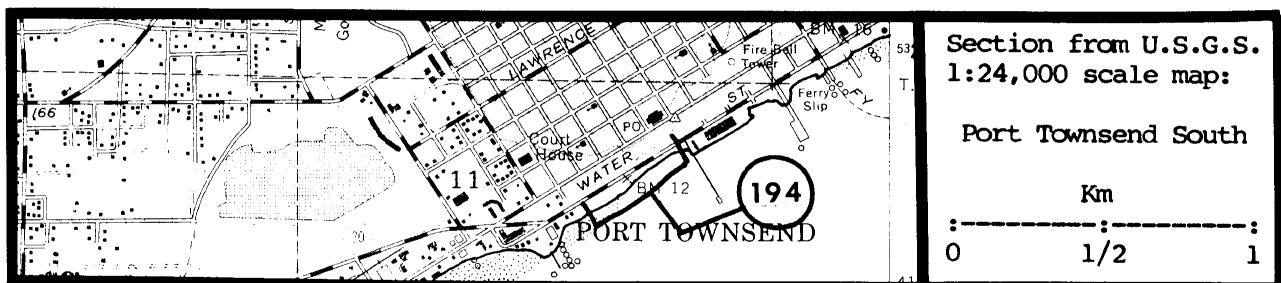
Killisut Harbor, north bluff 48°05'36"N, 122°43'20"W

Pigeon Guillemot 33 Speich & Wahl 06/29/82 B III 257

(198)

Indian Island, navy dock 48°03'05"N, 122°44'30"W

Pigeon Guillemot 9 Speich & Wahl 06/29/82 B III 257



AREA 156, Victoria (cont'd.)

(199)

Whidbey Island<sup>1</sup> 48°10'00"N, 122°40'00"W

Pigeon Guillemot	2	Booth	05/12/17	E	-	38
Pigeon Guillemot	8	Booth	06/12/27	E	-	34
Pigeon Guillemot	2	Booth	06/10/28	E	-	34
Pigeon Guillemot	4	Booth	06/07/31	E	-	38
Rhinoceros Auklet	X	Dennison	04/22, 24, & 25/1895			
				E	-	83
Rhinoceros Auklet	2	Dennison	04/22/1895	E	-	85
Rhinoceros Auklet	4	Dennison	04/24/1895	E	-	85
Rhinoceros Auklet	6	Dennison	04/25/1895	E	-	85

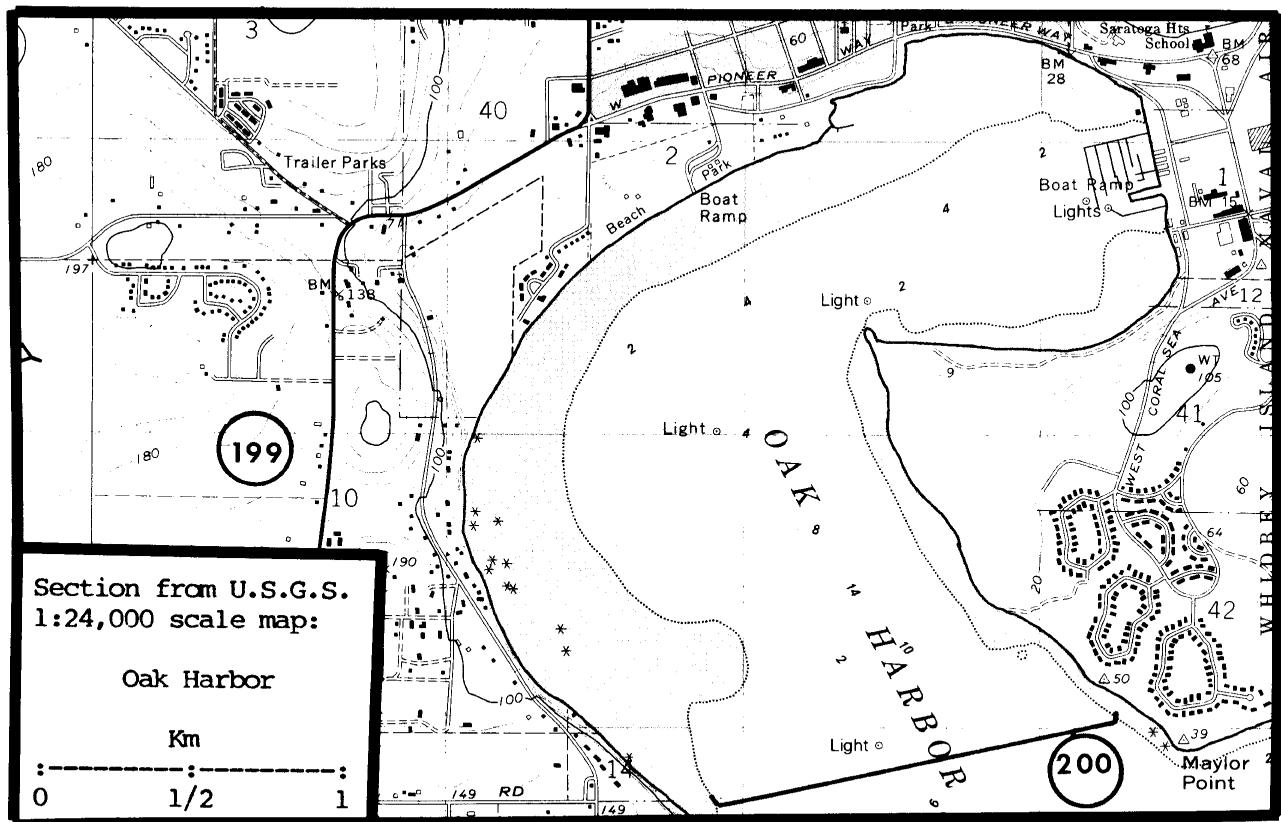
<sup>1</sup>Insufficient data to show exact map location.

(200)

Oak Harbor<sup>1</sup> 48°16'30"N, 122°39'00"W

Pigeon Guillemot	12	Booth	06/09/30	E	-	38
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<sup>1</sup>Insufficient data to show exact map location.



## AREA 156, Victoria (cont'd.)

201

Jetty Island 48°00'35"N, 122°13'37"W

Glaucous-winged Gull	120+	Wahl	07/19/82	A III	269
Arctic Tern	0	Richter	06/19/82	L III	232
Total	120+				

Glaucous-winged Gull	200±	Manuwal et al. 1979	06/09-08/30/77	L III	190
Glaucous-winged Gull	120+	Speich	05/17/78	L III	255
Glaucous-winged Gull	200±	Manuwal et al. 1979	05/27-07/15/78	L III	216
Glaucous-winged Gull	X	Richter	04/21/79	L III	232
Glaucous-winged Gull	X	Richter	06/08/80	L III	232
Glaucous-winged Gull	X	Richter	05/17/81	L III	232
Glaucous-winged Gull	X	Richter	06/19/82	L III	232
Arctic Tern	14±	Manuwal et al. 1979	06/09/77	L III	190
Arctic Tern	14±	Manuwal et al. 1979	07/21/77	L III	190
Arctic Tern	14±	Manuwal et al. 1979	08/30/77	L III	190
Arctic Tern	8	Speich	05/17/78	L III	255
Arctic Tern	20±	Manuwal et al. 1979	05/27/78	L III	190
Arctic Tern	20±	Manuwal et al. 1979	06/10/78	L III	190
Arctic Tern	4	Richter	06/21/78	L III	232
Arctic Tern	8	Richter	06/24/78	L III	232
Arctic Tern	20±	Manuwal et al. 1979	06/28/78	L III	190
Arctic Tern	20±	Manuwal et al. 1979	07/03/78	L III	190
Arctic Tern	20±	Manuwal et al. 1979	07/07/78	L III	190
Arctic Tern	20±	Manuwal et al. 1979	07/13/78	L III	190
Arctic Tern	X	Richter	07/15/78	L III	232
Arctic Tern	20±	Manuwal et al. 1979	07/15/78	L III	190
Arctic Tern	0	Richter	04/21/79	L III	232
Arctic Tern	0	Richter	06/08/80	L III	232
Arctic Tern	0	Richter	05/17/81	L III	232

Section from U.S.G.S.  
1:24,000 scale map:

Marysville

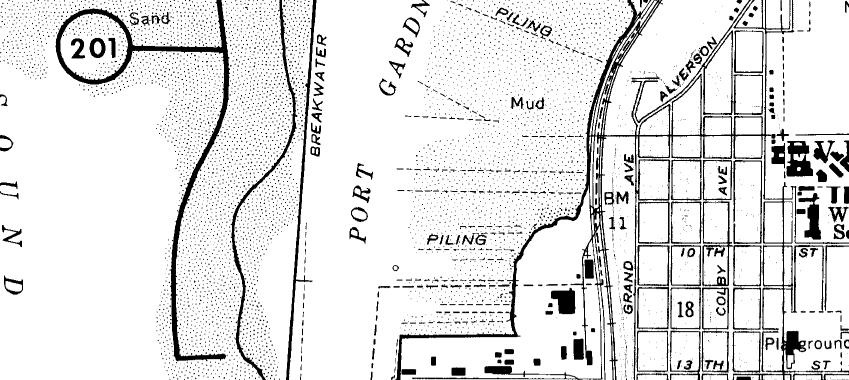
Km

0 1/2 1

370 000  
FEET

N S  
E N O W

201



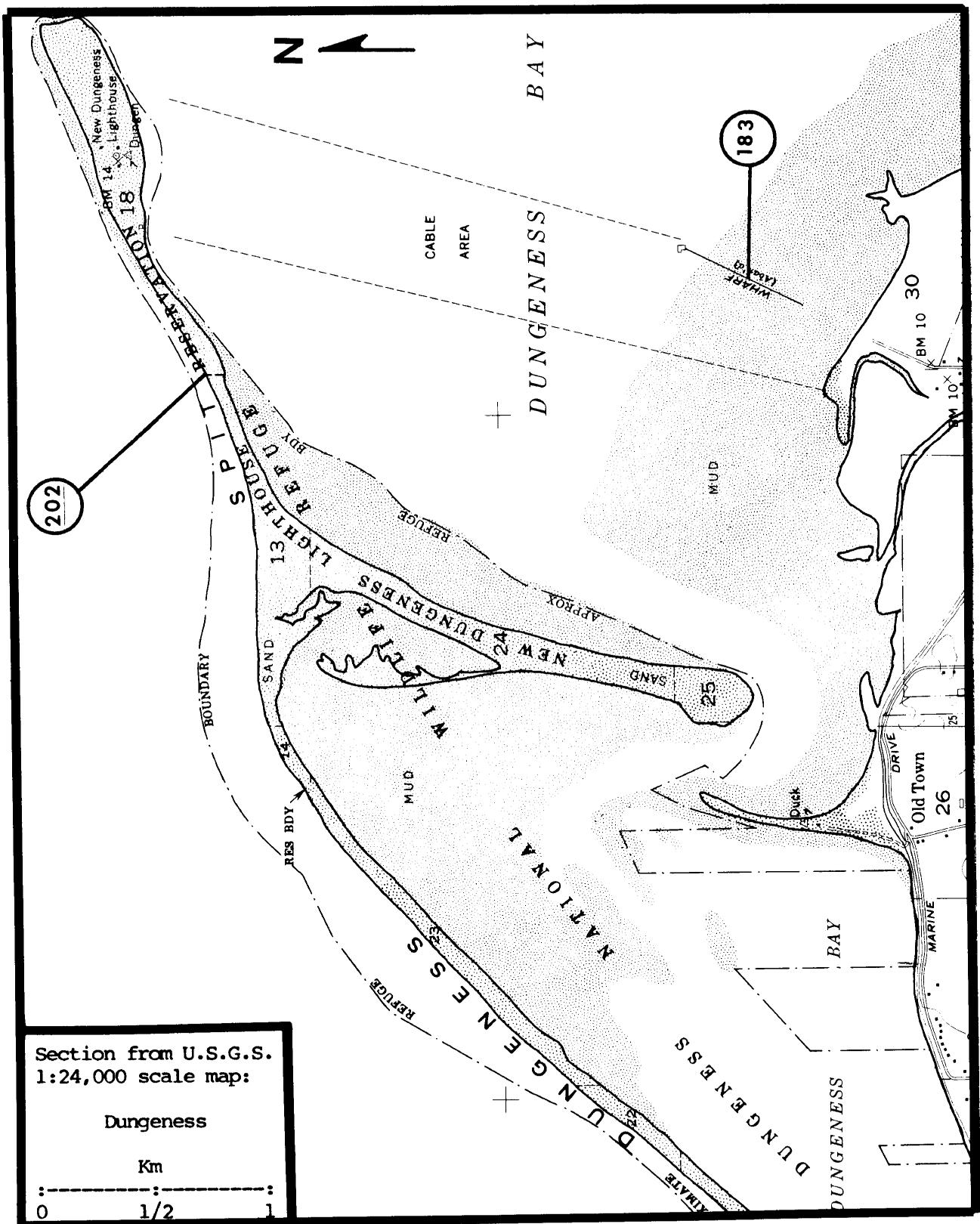
## AREA 156, Victoria (cont'd.)

(202)

Dungeness Spit 48°10'00"N, 123°09'00"W

Black Oystercatcher	3	Krause	07/06/80	L II 173
Pigeon Guillemot	45	Greubel	07/01/80	L III 120
Total	48			

Black Oystercatcher	4	Greubel	06/ ?/77	L III 120
Black Oystercatcher	3	Greubel	05/01/79	L III 120
Black Oystercatcher	7	Greubel	07/01/79	L III 120
Black Oystercatcher	5	Greubel	05/02/80	L III 120
Black Oystercatcher	8	Greubel	07/01/80	L III 120
Pigeon Guillemot	6	Smith	07/05/76	L III 250
Pigeon Guillemot	43	Speich; Manuwai	05/26/78	B III 255;188
Pigeon Guillemot	64	Smith	06/22/78	M III 251
Pigeon Guillemot	47	Greubel	05/01/79	L III 120
Pigeon Guillemot	36	Miller	06/29/79	M III 198
Pigeon Guillemot	57	Greubel	06/02/80	L III 120



AREA 156, Victoria (cont'd.)

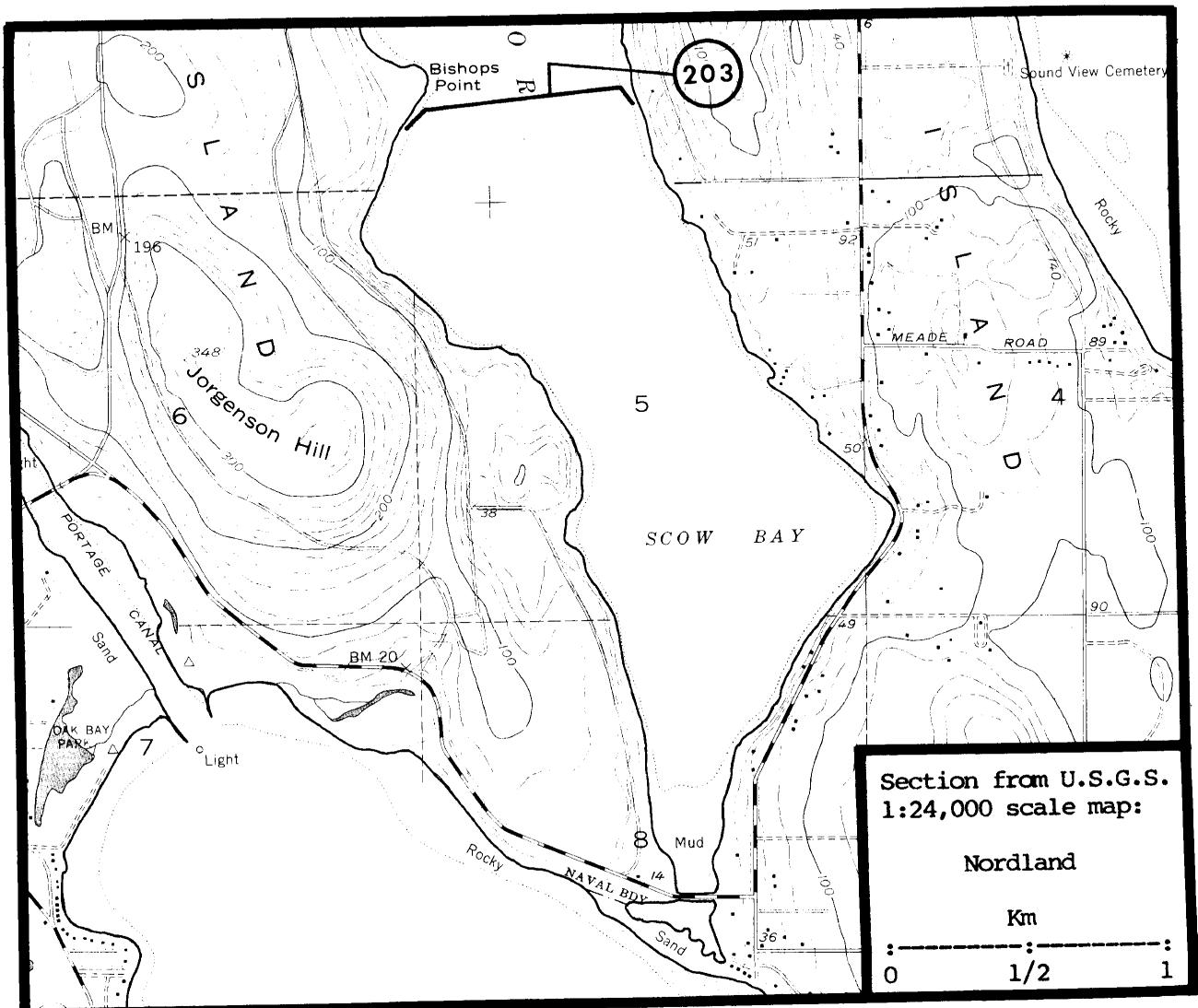
(203)

Scow Bay 48°01'52"N, 122°41'48"W

Pigeon Guillemot	29	Speich & Wahl	06/29/82	B III 257
Pigeon Guillemot	4	Meyer	05/30/31	E - 196



Port Angeles (156190) 1979 S.M. Speich Pelagic Cormorants



AREA 156, Victoria (cont'd.)

(204)

Lake Whatcom 48°45'40"N, 122°24'00"W

No Nesting Observed	0	Wahl	Summer/80	M III 269
No Nesting Observed	0	Wahl	Summer/72	M III 268
No Nesting Observed	0	Wahl	Summer/80	M III 269
Glaucous-winged Gull	2	Wahl	08/11/71	M I 268

(205)

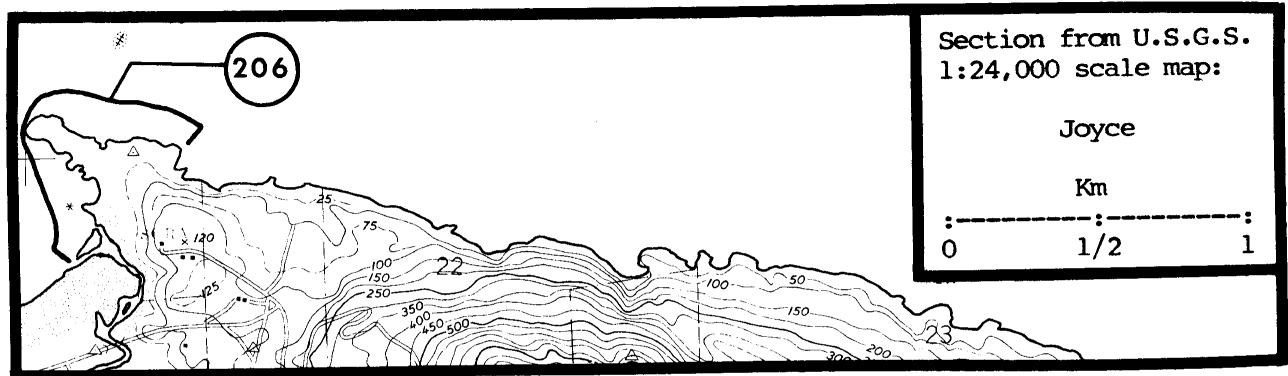
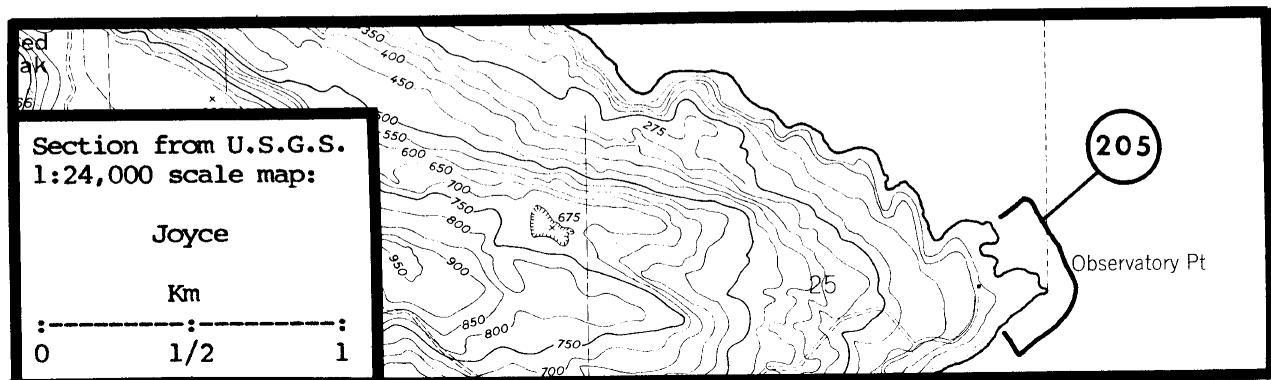
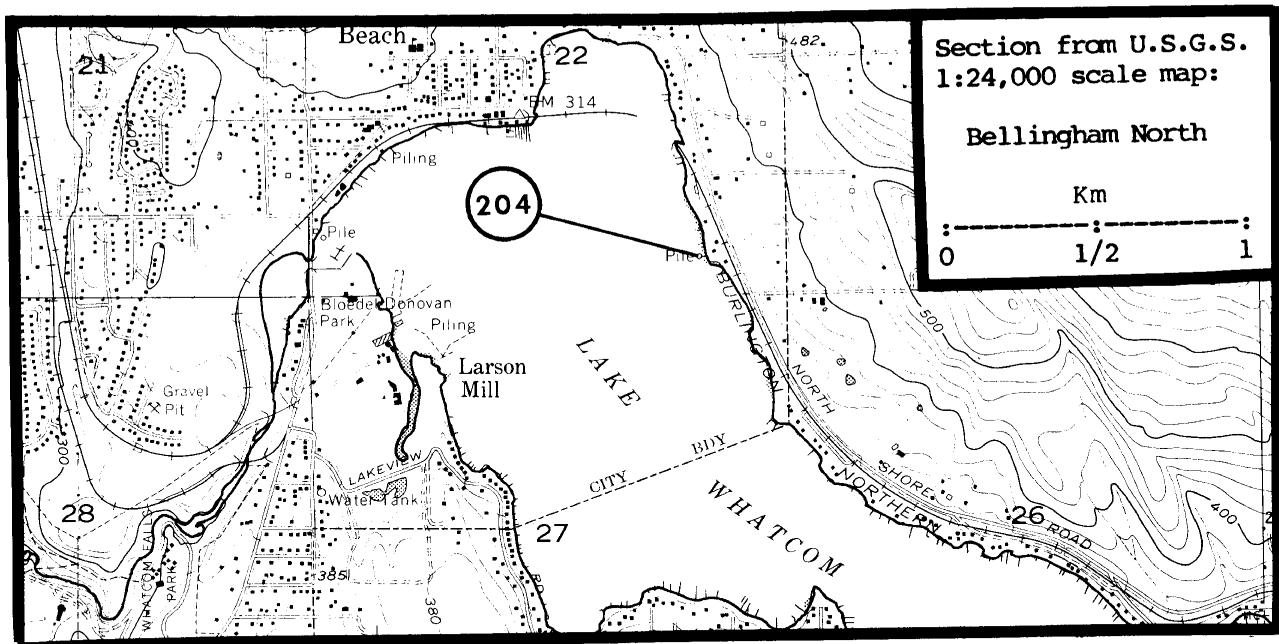
Observatory Point 48°09'02"N, 123°38'18"W

Pigeon Guillemot	2	McAllister	06/ ?/82	L III 192
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(206)

Tongue Point 48°10'00"N, 123°42'05"W

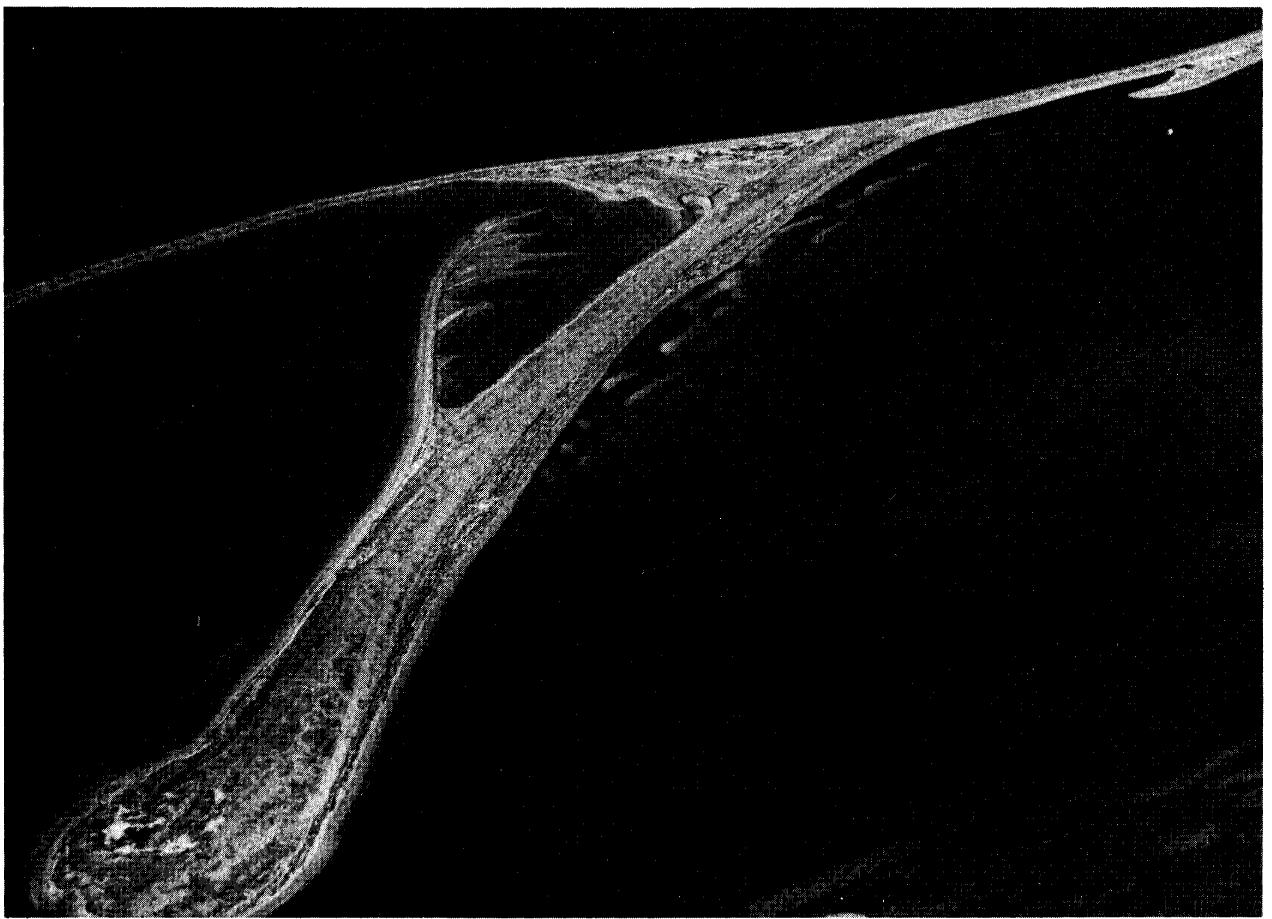
Pigeon Guillemot	2	McAllister	06/ ?/82	L III 192
Black Oystercatcher	4	Ramsey	05/13/78	L III 221
Black Oystercatcher	8	Speich	06/13/79	L III 255
Pigeon Guillemot	6	Ramsey	05/13/78	L III 221
Pigeon Guillemot	11	Speich	06/13/79	L III 255
Pigeon Guillemot	2	McNutt	07/03/81	L III 194



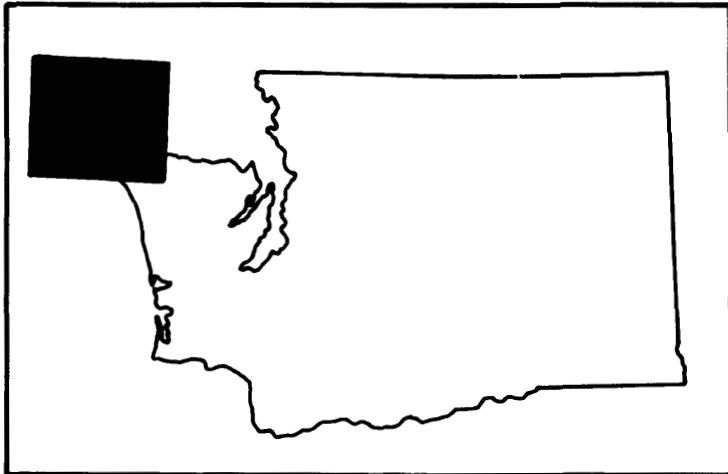
AREA 156, Victoria (cont'd.)



Dungeness Spit (156202) US Coast Guard



Dungeness Spit (Graveyard Spit) (156202) 26 February 1962 R.M. Glahn



155

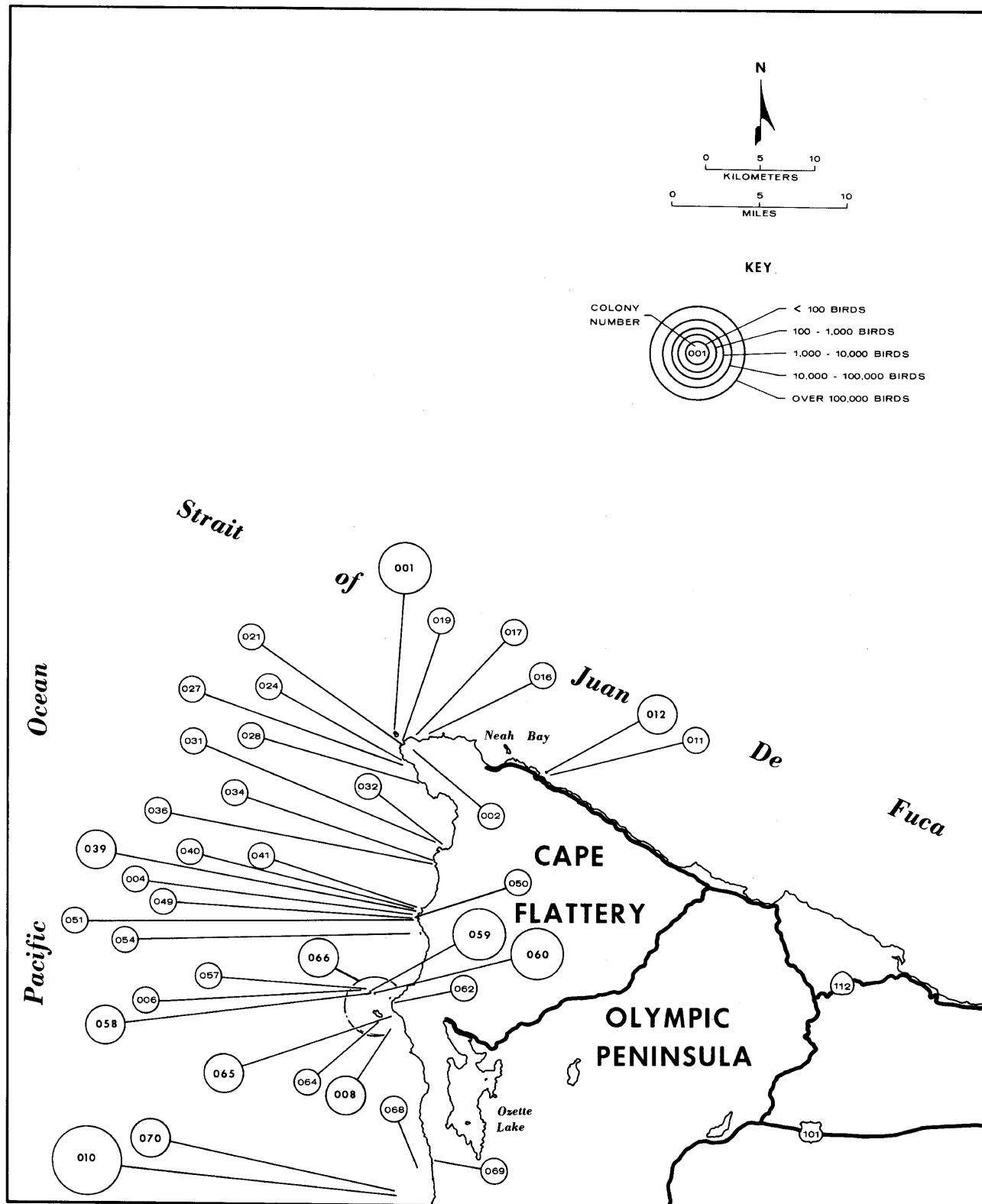
## Cape Flattery

The map on the facing page is an index to the locations of the colonies within Map 155, Cape Flattery. Note that all colonies on the map are not numbered consecutively from north to south, since many previously unreported sites have been added since initial colony numbers were assigned by Varoujean (1979). On the pages following this map, all colonies are listed sequentially and a detailed map of each is provided.

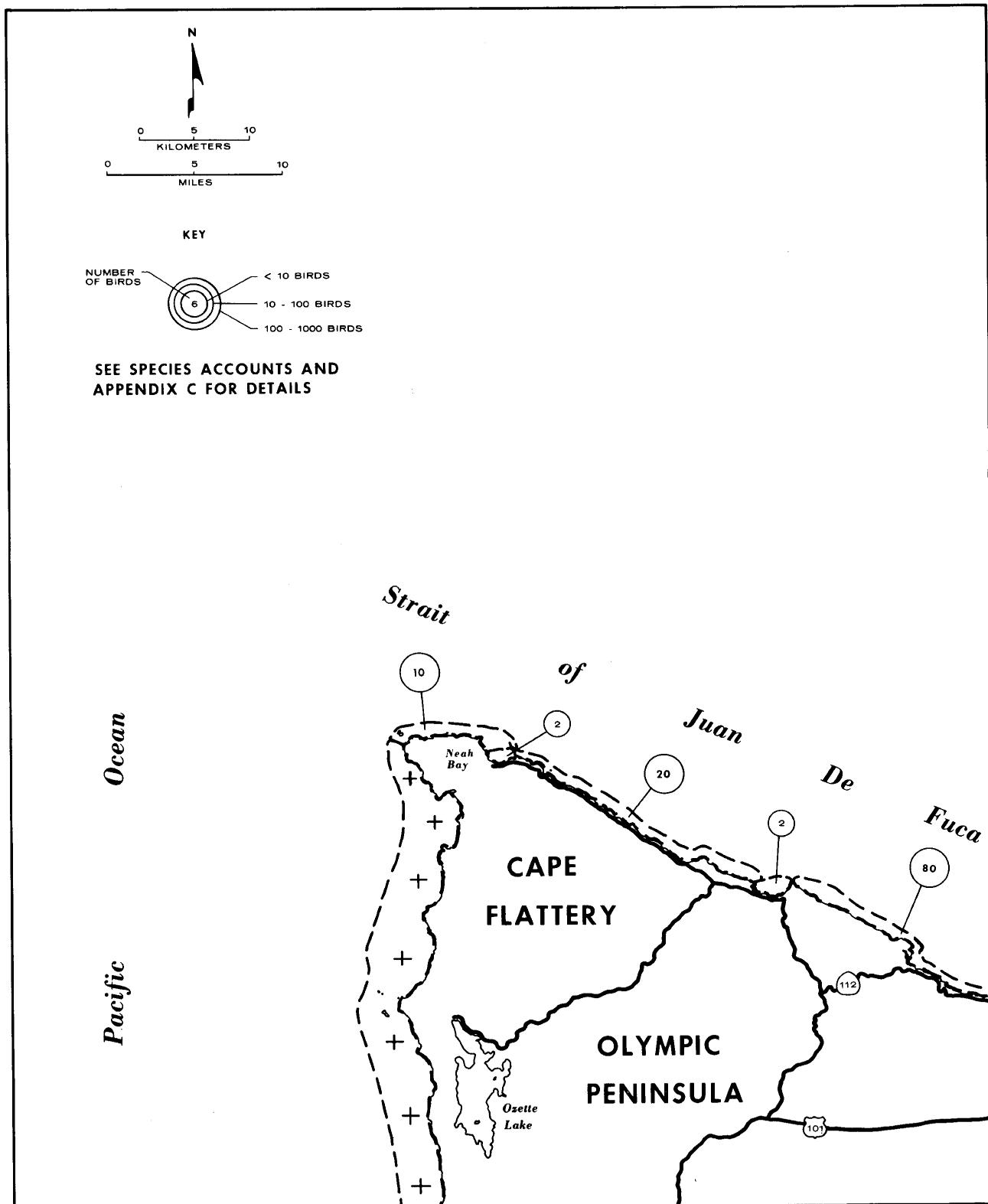
Numbers of breeding seabirds will vary from year to year. Below are the approximate numbers of breeding seabirds within this region.

Fork-tailed Storm-Petrel	3,700
Leach's Storm-Petrel	11,000
Double-crested Cormorant	150
Brandt's Cormorant	10
Pelagic Cormorant	900
American Black Oystercatcher	60
Glaucous-winged and Western gulls	4,400
Common Murre	900
Pigeon Guillemot	150
Marbled Murrelet	50
Cassin's Auklet	24,000
Rhinoceros Auklet	200
Tufted Puffin	8,700

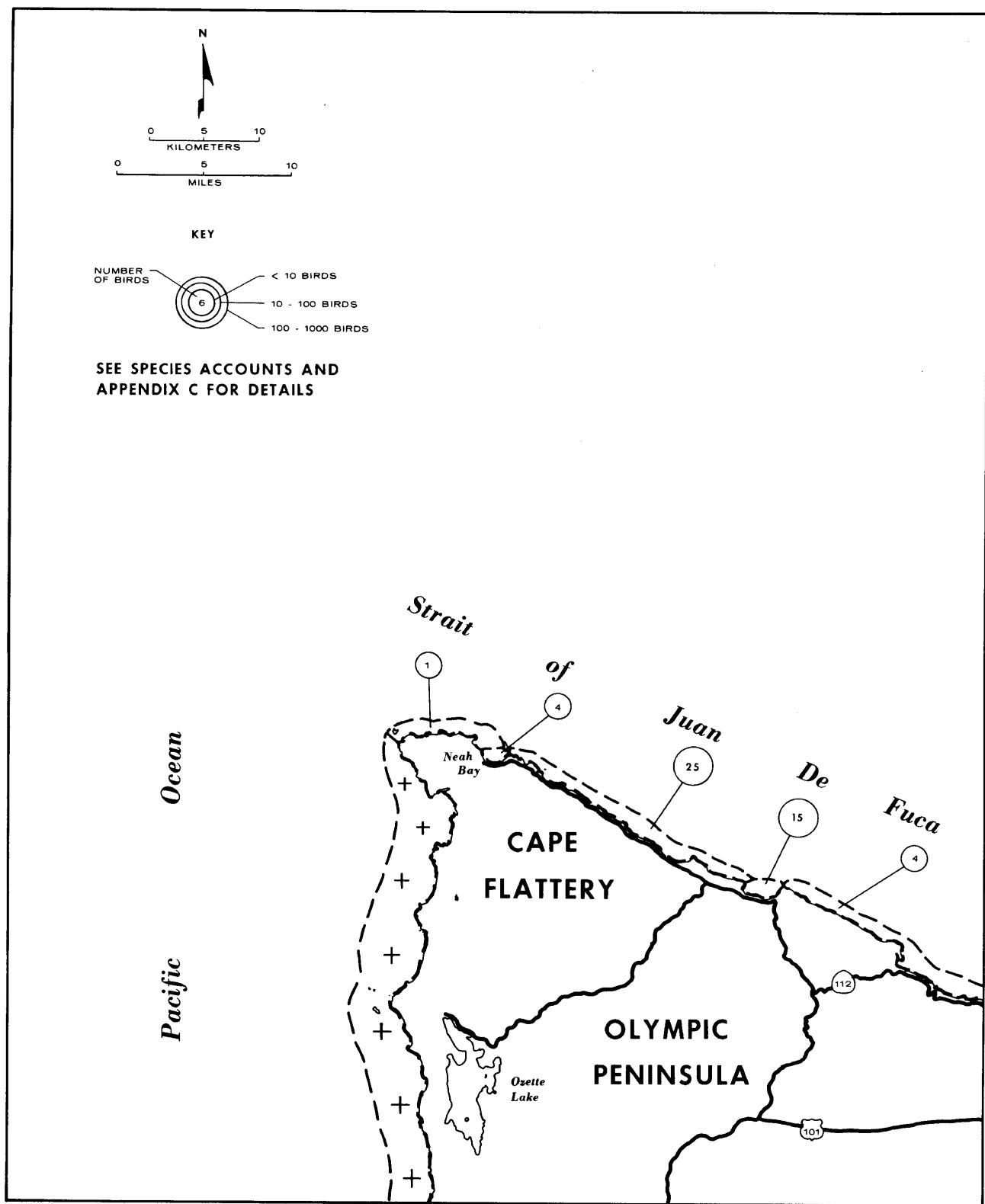
# 155 CAPE FLATTERY



Relative distribution for Pigeon Guillemots in map area 155, Cape Flattery.



Relative distribution for Marbled Murrelets in map area 155, Cape Flattery.



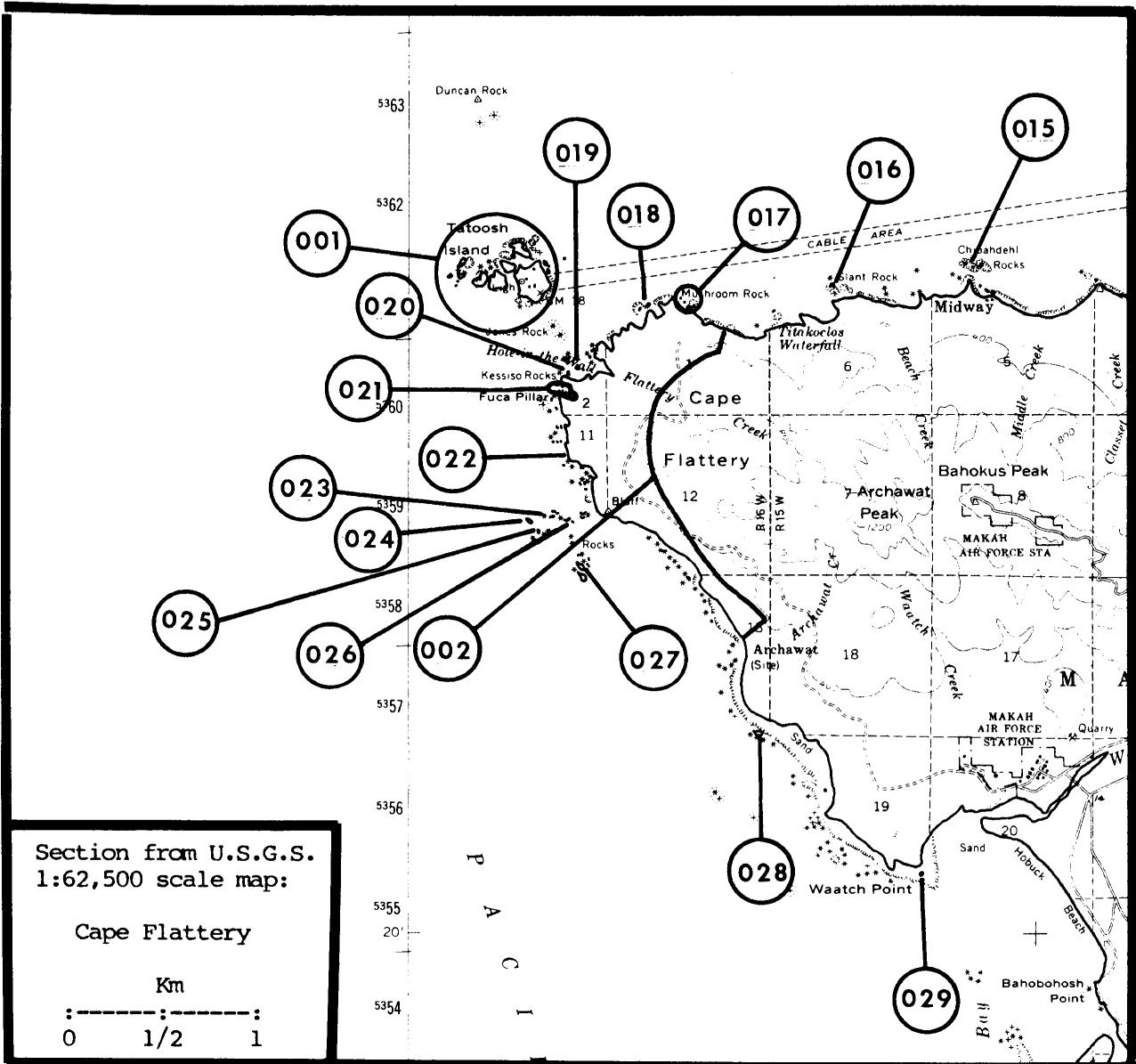
## AREA 155, Cape Flattery (cont'd.)

SITE NUMBER	COLONY NAME	LAT.-LONG.				
(191)	PORT WILLIAMS	48° 07' 00", 123° 03' 00" W				
SPECIES NAME		NUMBER	SOURCE	SURVEY DATE	SURVEY TYPE	REFERENCE DATA QUALITY
PIGEON GUILLEMOT	34	SPEICHH		05/23/79	B III	255
PIGEON GUILLEMOT	33	SPEICHH		05/26/78	B III	255
BREEDING BIRDS						
Box gives the most recent or the best estimates available.						

(001)

Tatoosh Island, complex 48°23'32"N, 124°44'07"W

Fork-tailed Storm-Petrel	40	Pitman	06/16-18/78	L III	217
Leach's Storm-Petrel	400	Pitman	06/16-18/78	L III	217
Pelagic Cormorant	300	Pitman	06/16-18/78	L I	217
Black Oystercatcher	8	Pitman	06/16-18/78	L II	217
Glaucous-winged Gull	2000	Pitman	06/16-18/78	L III	217
Common Murre	200	Pitman	06/16-18/78	L III	217
Pigeon Guillemot	80	Pitman	06/16/18/78	L III	217
Cassin's Auklet	X	Pitman	06/16-18/78	L III	217
Rhinoceros Auklet	200	Pitman	06/16-18/78	L III	217
Tufted Puffin	300	Pitman	06/16-18/78	L III	217
Total	<u>3528</u>				
Storm-Petrel, species	X	Dawson 1908	06-07/ ?/06-07	L III	66
Fork-tailed Storm-Petrel	0	Kenyon & Scheffer 1962	07/15/59	L III	167
Fork-tailed Storm-Petrel	3	Paulson	06/06-08/70	L III	207
Fork-tailed Storm-Petrel	6	Paulson	?/ ?/74	L III	206
Fork-tailed Storm-Petrel	200	Boersma	05,06,09/ ?/78	L III	31
Leach's Storm-Petrel	4	Cowan	07/10/15	S -	63
Leach's Storm-Petrel	1	Cowan	07/19/15	S -	63
Leach's Storm-Petrel	3	Richardson	07/28/56	S -	230
Leach's Storm-Petrel	10	Richardson	07/28/56	L III	229
Leach's Storm-Petrel	1	Goodege	07/28/56	S -	116
Leach's Storm-Petrel	X	Kenyon & Scheffer 1962	07/15/59	L III	167
Leach's Storm-Petrel	1	Hawkins	07/15/59	S -	127
Leach's Storm-Petrel	4	Hawkins	07/15/59	S -	126
Leach's Storm-Petrel	P	Paulson	06/06-08/70	L III	207
Leach's Storm-Petrel	1	Paulson	06/08/70	S -	209
Leach's Storm-Petrel	25	Frazer 1973	07/18-21/73	L III	108



Leach's Storm-Petrel	16	Paulson	?/ ?/74	L III 206
Leach's Storm-Petrel	23	Sibley	07/16/77	S - 248
Leach's Storm-Petrel	1000	Boersma	06/16/78	L III 31
Pelagic Cormorant	X	Preble & Young	05/13-06/18/1897	L III 218
Pelagic Cormorant	X	Dawson 1908	06-07/ ?/06-07	L III 66
Pelagic Cormorant	8?	Richardson	07/28/56	L III 229
Pelagic Cormorant	500	Paulson	06/06-08/70	L II 207
Pelagic Cormorant	200	Frazer 1973	06/18-21/73	L III 108
Pelagic Cormorant	6	Sibley	07/15/77	S - 248
Pelagic Cormorant	400	Boersma	06/16/78	L III 31
Black Oystercatcher	X	Dawson 1908	06-07/ ?/06-07	L III 66
Black Oystercatcher	24	Cantwell	07/01/15	L III 52

## AREA 155, Cape Flattery (cont'd.)

Black Oystercatcher	16-20	Jewett et al. 1953	07/26/17	? III 158
Black Oystercatcher	4-6	Jewett et al. 1953	05/06-05/07/20	L III 158
Black Oystercatcher	1	Goodge	07/28/56	S - 116
Black Oystercatcher	15-20	Kenyon & Scheffer 1962		
			07/15/59	L III 167
Black Oystercatcher	16	Paulson	06/06-08/70	L III 207
Black Oystercatcher	10	Frazer 1973	06/18-21/73	L III 108
Black Oystercatcher	2	Sibley	07/15/77	S - 248
Black Oystercatcher	6-8	Boersma	06/16/78	L III 31
Glaucous-winged Gull	X	Dawson 1908	06-07/ ?/06-07	L III 66
Glaucous-winged Gull	50	Jewett et al. 1953	07/26/17	L II 158
Glaucous-winged Gull	10's	Richardson	07/28/56	L III 229
Glaucous-winged Gull	X	Richardson	05/ ?/57	L III 228
Glaucous-winged Gull	2000	Kenyon & Scheffer 1962		
			07/15/59	L III 167
Glaucous-winged Gull	1200	Paulson	06/06-08/70	L III 207
Glaucous-winged Gull	3000	Frazer 1973	06/18-21/73	L III 108
Glaucous-winged Gull	100's	Hoffman	06/22/75	M III 139
Glaucous-winged Gull	1	Sibley	07/14/77	S - 248
Glaucous-winged Gull	1	Sibley	07/15/77	S - 248
Glaucous-winged Gull	~800	Harrington-Tweit	04/28/78	A III 124
Glaucous-winged Gull	1000	Harrington-Tweit	05/25/78	A III 124
Glaucous-winged Gull	4000	Boersma	06/16/78	L III 31
Common Murre	5	Richardson	07/28/56	L III 229
Common Murre	400	Kenyon & Scheffer 1962		
			07/15/59	L II 167
Common Murre	400	Paulson	06/06-08/70	L II 207
Common Murre	200	Frazer 1973	06/18-21/73	L III 108
Common Murre	1	Sibley	07/15/77	S - 248
Common Murre	125	Harrington-Tweit	05/25/78	A III 124
Common Murre	200	Boersma	06/16/78	L II 31
Pigeon Guillemot	X	Dawson 1908	06-07/ ?/06-07	L III 66
Pigeon Guillemot	15	Kenyon & Scheffer 1962		
			07/15/59	L III 167
Pigeon Guillemot	160	Paulson	06/06-08/70	L II 207
Pigeon Guillemot	40	Frazer 1973	06/18-21/73	L III 108
Pigeon Guillemot	1	Woodby	07/22/75	S - 288
Pigeon Guillemot	1	Sibley	07/16/77	S - 248
Pigeon Guillemot	16	Boersma	06/16/78	L III 31
Cassin's Auklet	?	Dawson 1908	06-07/ ?/06-07	L III 66
Cassin's Auklet	0	Paulson	06/06-08/70	L III 207
Cassin's Auklet	?	Paulson	?/ ?/71	L III 207
Cassin's Auklet	20	Frazer 1973	06-07/ ?/06-07	L III 108
Cassin's Auklet	5	Paulson	?/ ?/74	L III 206
Cassin's Auklet	1	Close	09/05/75	S - 59
Cassin's Auklet	?	Boersma	06/16/78	L III 31
Rhinoceros Auklet	0	Kenyon & Scheffer 1962		
			07/15/59	L III 167
Rhinoceros Auklet	30?	Paulson	06/06-08/70	L III 207
Rhinoceros Auklet	100?	Frazer 1973	06/18-21/73	L III 108
Rhinoceros Auklet	5	Sibley	07/14/77	S - 248
Rhinoceros Auklet	X	Boersma	06/16/78	L III 31
Tufted Puffin	X	Dawson 1908	06-07/ ?/06-07	L III 66
Tufted Puffin	X	Cantwell	08/22/14	L III 52

Tufted Puffin	50	Kenyon & Scheffer 1962	07/15/59	L III 167
Tufted Puffin	X	Washington Dep. Game	07/02/68	? ? 203
Tufted Puffin	200	Paulson	06/06-08/70	L II 207
Tufted Puffin	20?	Willapa NWR	05/21/71	A III 284
Tufted Puffin	60	Frazer 1973	06/18-21/73	L III 108
Tufted Puffin	50+	Leschner	07/24/73	L III 178
Tufted Puffin	X	Leschner	?/ ?/75	? ? 178
Tufted Puffin	100+	Boersma	06/16/78	L III 31



Tatoosh Island (155001) U.S. Coast Guard

AREA 155, Cape Flattery (cont'd.)

002

Cape Flattery, mainland 48°22'50"N, 124°43'20"W

Black Oystercatcher	2	Rodrick	06/20/78	L III 236
Pigeon Guillemot	30	Widrig	?/ ?/82	L III 282
Pelagic Cormorant	1000	Dawson 1908	06-07/ ?/06-07	B III 66
Pelagic Cormorant	160	Pitman	06/17/78	B I 217
Black Oystercatcher	12	Dawson 1908	06-07/ ?/06-07	B III 66
Black Oystercatcher	31	Kenyon & Scheffer 1962	07/15/59	B III 167
Glaucous-winged Gull	200-500	Dawson 1908	06-07/ ?/06-07	B III 66
Glaucous-winged Gull	2	Hoffman	06/22/75	L III 139
Pigeon Guillemot	2	LaFave	09/12/65	L III 174
Pigeon Guillemot	2+	Quar	06/ ?/79	L III 219

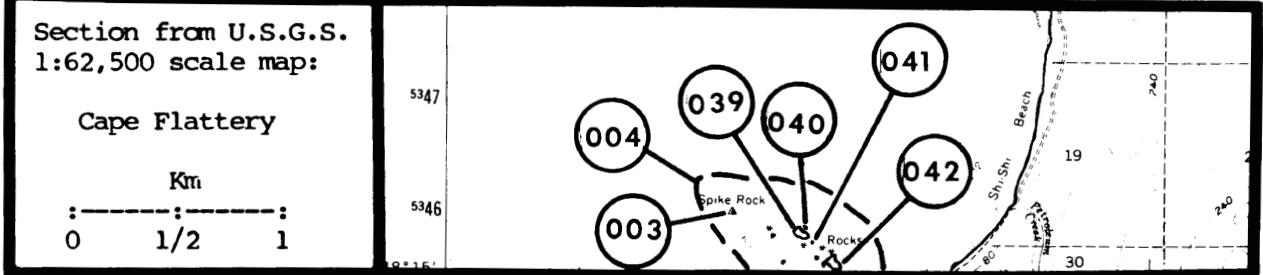
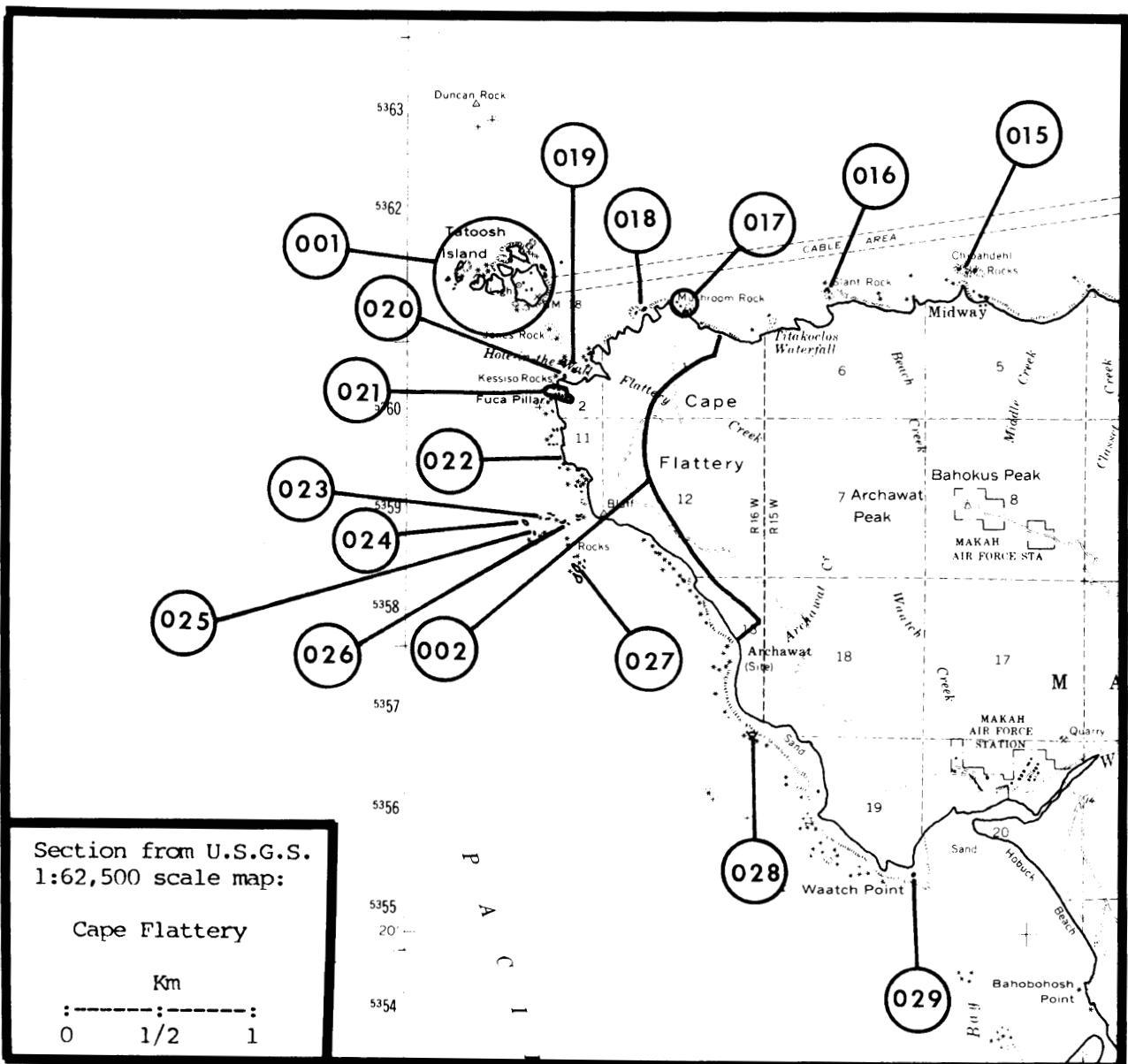
003

Spike Rock 48°15'16"N, 124°42'58"W

No Nesting Observed	0	Speich	06/27/78	B III 255
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Cape Flattery mainland (155002) June 1978 R.L. Pitman



AREA 155, Cape Flattery (cont'd.)

(004)

Point of the Arches<sup>1</sup> 48°14'50"N, 124°41'58"W

Black Oystercatcher	3	Speich	06/27/78	B III 255
Glaucous-winged Gull	6	Speich	06/27/78	B I 255
Total	9			

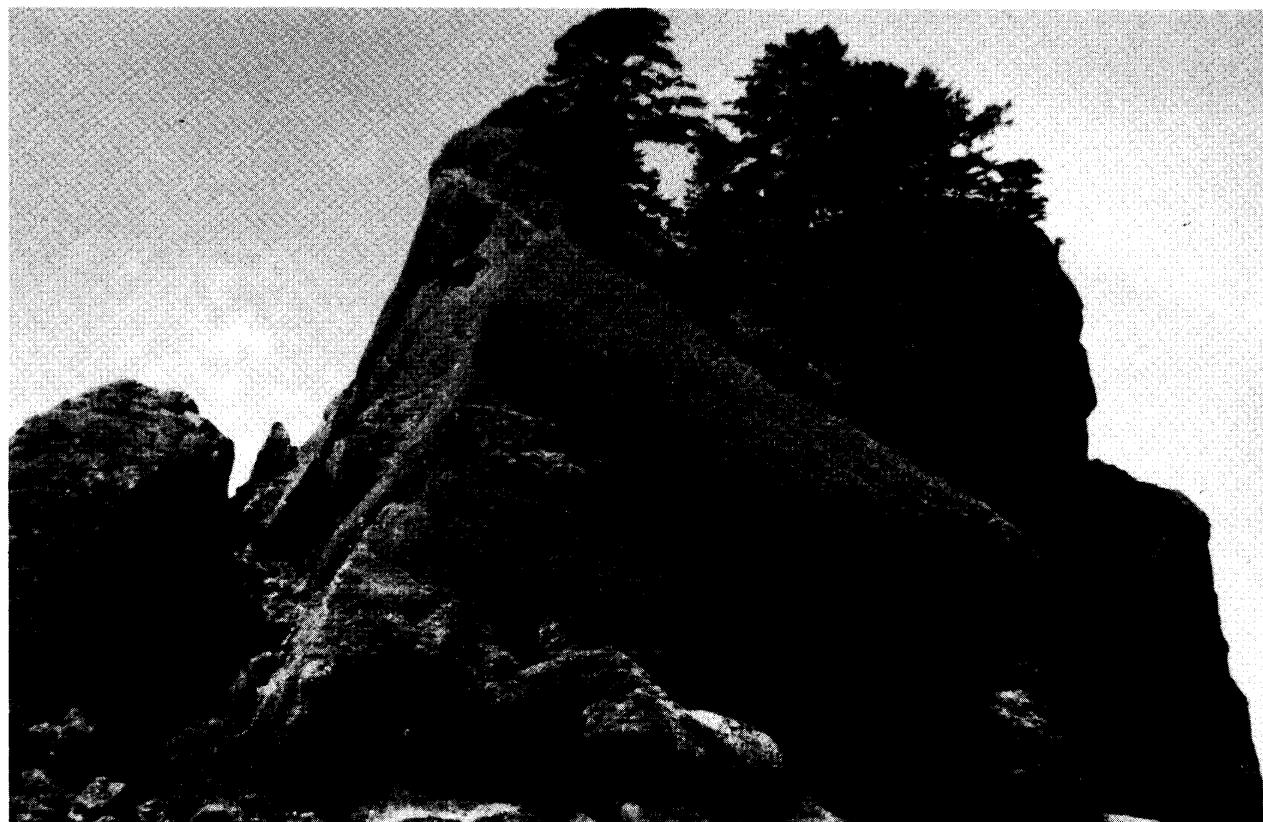
Black Oystercatcher 11 Harkins 04/09/80 M III 123

<sup>1</sup>Insufficient data to determine the exact location of records.

(005)

Father and Son<sup>1</sup> 48°13'36"N, 124°42'41"W

<sup>1</sup>Insufficient data to determine the exact location of records. For specific information see also Father (155054) and Son (155055).



Point of the Arches (155004) 27 June 1978 R.L. Pitman

Section from U.S.G.S.  
1:62,500 scale map:

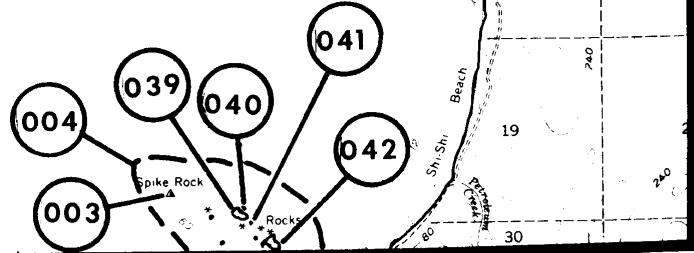
Cape Flattery

Km

0 1/2 1

5347

5346



Section from U.S.G.S.  
1:62,500 scale map:

Ozette Lake

Km

0 1/2 1

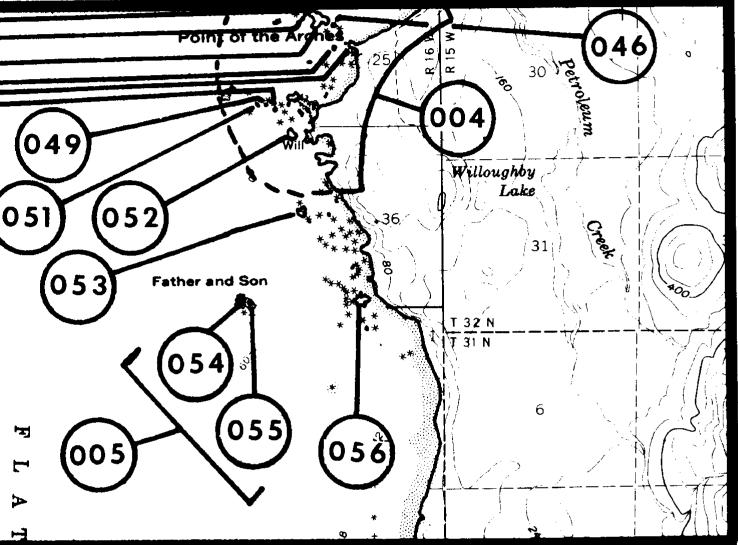
5345000 N.

5344

5343

5342

5341



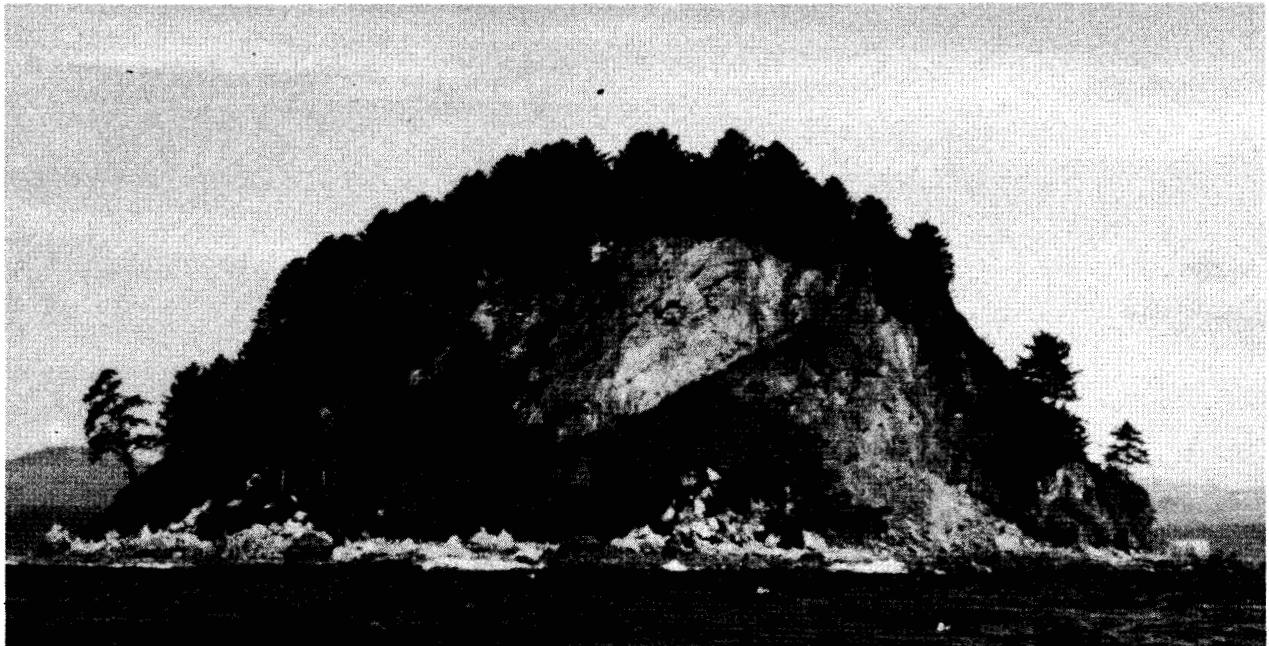
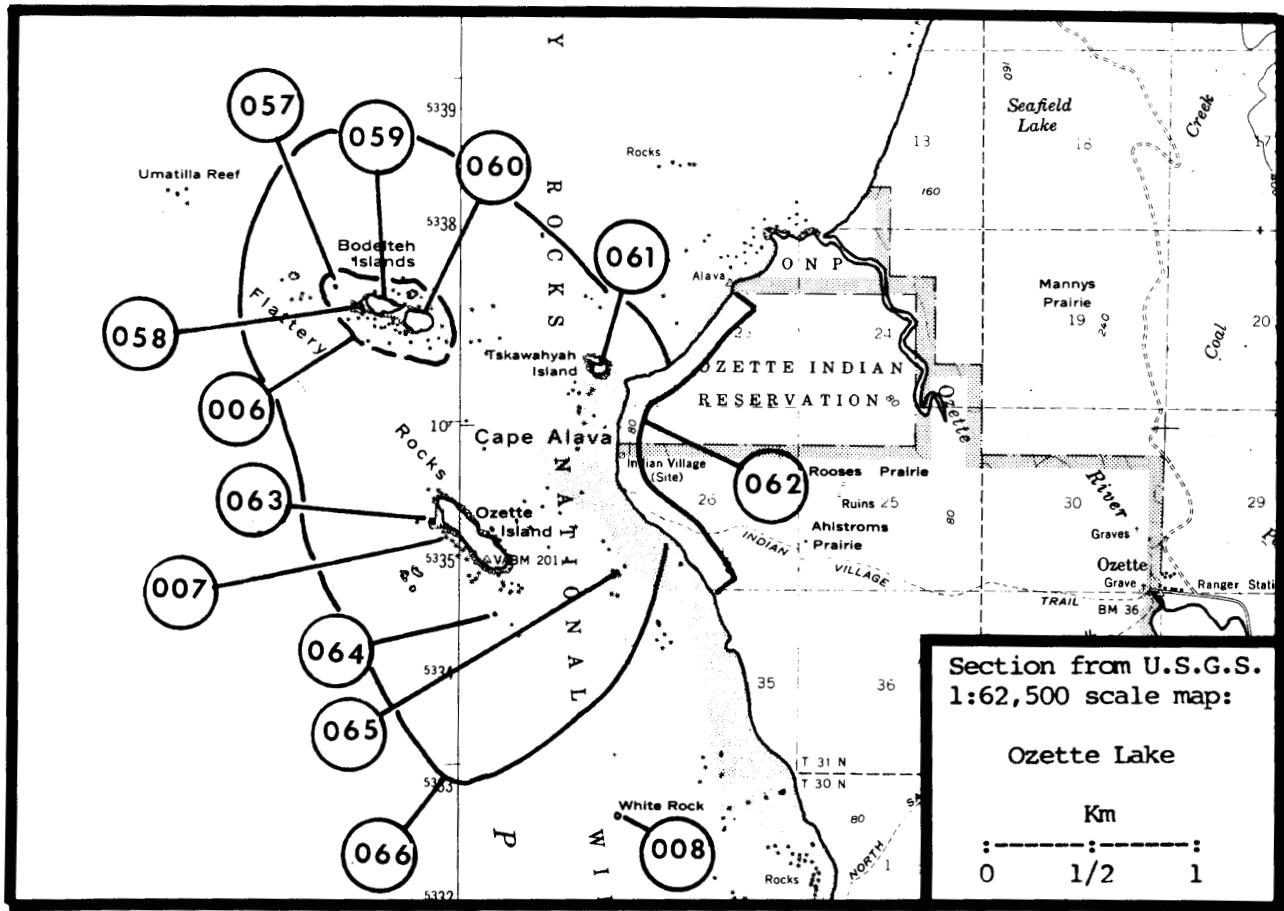
## AREA 155, Cape Flattery (cont'd.)

(006)

Bodelteh Islands<sup>1</sup> 48°10'32"N, 124°45'30"W

Black Oystercatcher	20	Pitman	06/04-06/79	L II	217
Pigeon Guillemot	30	Pitman	06/04-06/79	L III	217
Total	50				
Fork-tailed Storm-Petrel	1	Eddy	07/17/59	S -	96
Fork-tailed Storm-Petrel	5	Hawkins	07/17/59	S -	126
Fork-tailed Storm-Petrel	1	Anonymous	07/17/59	S -	15
Leach's Storm-Petrel	X	Kenyon & Scheffer 1962	07/17/59	L III	167
Pelagic Cormorant	500	Dawson 1908	06-07/ ?/06-07	L III	66
Pelagic Cormorant	60	Kenyon & Scheffer 1962	07/17/59	L II	167
Black Oystercatcher	6	Dawson 1908	06-07/ ?/06-07	L II	66
Black Oystercatcher	40	Kenyon & Scheffer 1962	07/17/59	L II	167
Black Oystercatcher	30+	Knight	07/06/78	M III	171
Glaucous-winged Gull	500	Dawson 1908	06-07/ ?/06-07	L III	66
Glaucous-winged Gull	2500	Kenyon & Scheffer 1962	07/17/59	L III	167
Glaucous-winged Gull	400	Hoffman	06/22/75	L III	139
Glaucous-winged Gull	2000	Pitman	06/28-29/78	L III	217
Common Murre	100	Kenyon & Scheffer 1962	07/13/59	A III	167
Common Murre	N	Kenyon & Scheffer 1962	07/17/59	L II	167
Pigeon Guillemot	6	Kenyon & Scheffer 1962	07/17/59	L II	167
Pigeon Guillemot	50	Pitman	06/28-29/78	L III	217
Cassin's Auklet	X	Kenyon & Scheffer 1962	07/17/59	L III	167
Cassin's Auklet	1	Eddy	07/17/59	S -	96
Cassin's Auklet	1	Richardson	07/17/59	S -	230
Cassin's Auklet	1	Hawkins	07/17/59	A III	126
Cassin's Auklet	X	Pitman	06/28-29/78	L III	217
Rhinoceros Auklet	N	Kenyon & Scheffer 1962	07/17/59	L III	167
Tufted Puffin	500-1000	Dawson 1908	06-07/ ?/06-07	L III	66
Tufted Puffin	20	Kenyon & Scheffer 1962	07/17/59	L III	167
Tufted Puffin	1000-2000	Pitman	06/28-29/78	L II	217

<sup>1</sup>Insufficient data to determine the exact location of records. For more specific information see also Bodelteh Island, west (155058), Bodelteh Island, middle (155059), and Bodelteh Island, east (155060).



Ozette Island (155007) 28 June 1978 R.L. Pitman

## AREA 155, Cape Flattery (cont'd.)

(007)

Ozette Island 48°09'28"N, 124°44'52"W

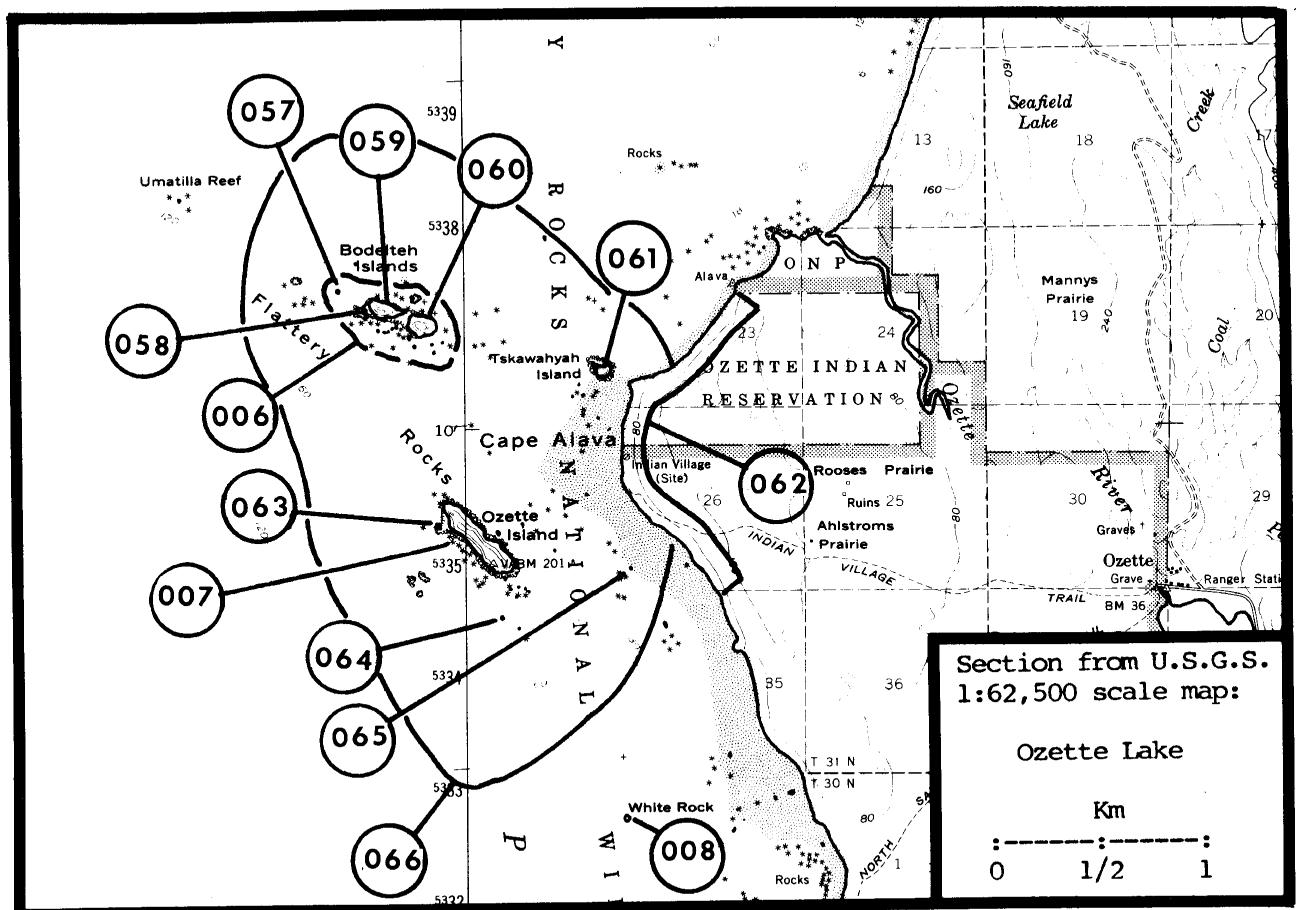
No Nesting Observed	0	Speich	06/26-27/79	L II 255
Fork-tailed Storm-Petrel	N	Kenyon & Scheffer 1962	07/16/59	L III 217
Fork-tailed Storm-Petrel	N	Pitman	06/29-30/78	L III 217
Leach's Storm-Petrel	N	Kenyon & Scheffer 1962	07/16/59	L III 167
Leach's Storm Petrel	N	Pitman	06/29-30/78	L III 217
Pelagic Cormorant	110	Kenyon & Scheffer 1962	07/16/59	L I 167
Black Oystercatcher	15?	Kenyon & Scheffer 1962	07/16/59	L III 167
Black Oystercatcher	6	Pitman	06/29-30/78	L II 217
Glaucous-winged Gull	1	Hudson	07/15/40	S - 149
Common Murre	0	Kenyon & Scheffer 1962	07/16/59	L III 167
Pigeon Guillemot	10	Pitman	06/29-30/78	L III 217
Cassin's Auklet	N	Kenyon & Scheffer 1962	07/16/59	L III 167

(008)

White Rock 48°08'05"N, 124°44'00"W

Double-crested Cormorant	120	Wilson	07/17/82	A II 287
Pelagic Cormorant	X	Speich	06/26/79	B III 255
Black Oystercatcher	X	Speich	06/26/79	B III 255
Glaucous-winged Gull	130	Wilson	07/17/82	A II 287
Common Murre	630	Wilson	07/17/82	A III 287
Pigeon Guillemot	X	Speich	06/26/79	B III 255
Tufted Puffin	X	Speich	06/26/79	B III 255
Total	880			

Double-crested Cormorant	N	Pitman	06/30/78	B III 217
Double-crested Cormorant	X	Speich	06/26/79	B III 255
Brandt's Cormorant	10	Marshall	06/ ?/63	? ? 191
Pelagic Cormorant	100	Dawson 1908	06-07/ ?/06-07	B III 66
Pelagic Cormorant	208	Pitman	06/30/78	B I 217
Black Oystercatcher	1	Pitman	06/30/78	B III 217
Glaucous-winged Gull	300-500	Dawson 1908	06-07/ ?/06-07	B III 66
Glaucous-winged Gull	X	Dawson 1909	07/ ?/07	B III 68
Glaucous-winged Gull	100P	Kenyon & Scheffer 1962	07/13/59	A III 167
Glaucous-winged Gull	110	Pitman	06/30/78	B III 217
Glaucous-winged Gull	X	Speich	06/26/79	B III 255
Common Murre	100P	Kenyon & Scheffer 1962	07/13/59	A III 167
Common Murre	25	Pitman	06/30/78	B III 217
Common Murre	40	Speich	06/26/79	B III 255



Pigeon Guillemot	2	Pitman	06/30/78	B III 217
Tufted Puffin	200-500	Dawson 1908	06-07/ ?/06-07	B III 66
Tufted Puffin	10	Kenyon & Scheffer	07/13/59	A III 167
Tufted Puffin	150	Pitman	06/30/78	B III 217

009

"Bald Island"

This colony number is not used here. Bald Island, given this number, lies south in the Copalis Beach, North map area (174) and appears as Jagged Island, number 174027.

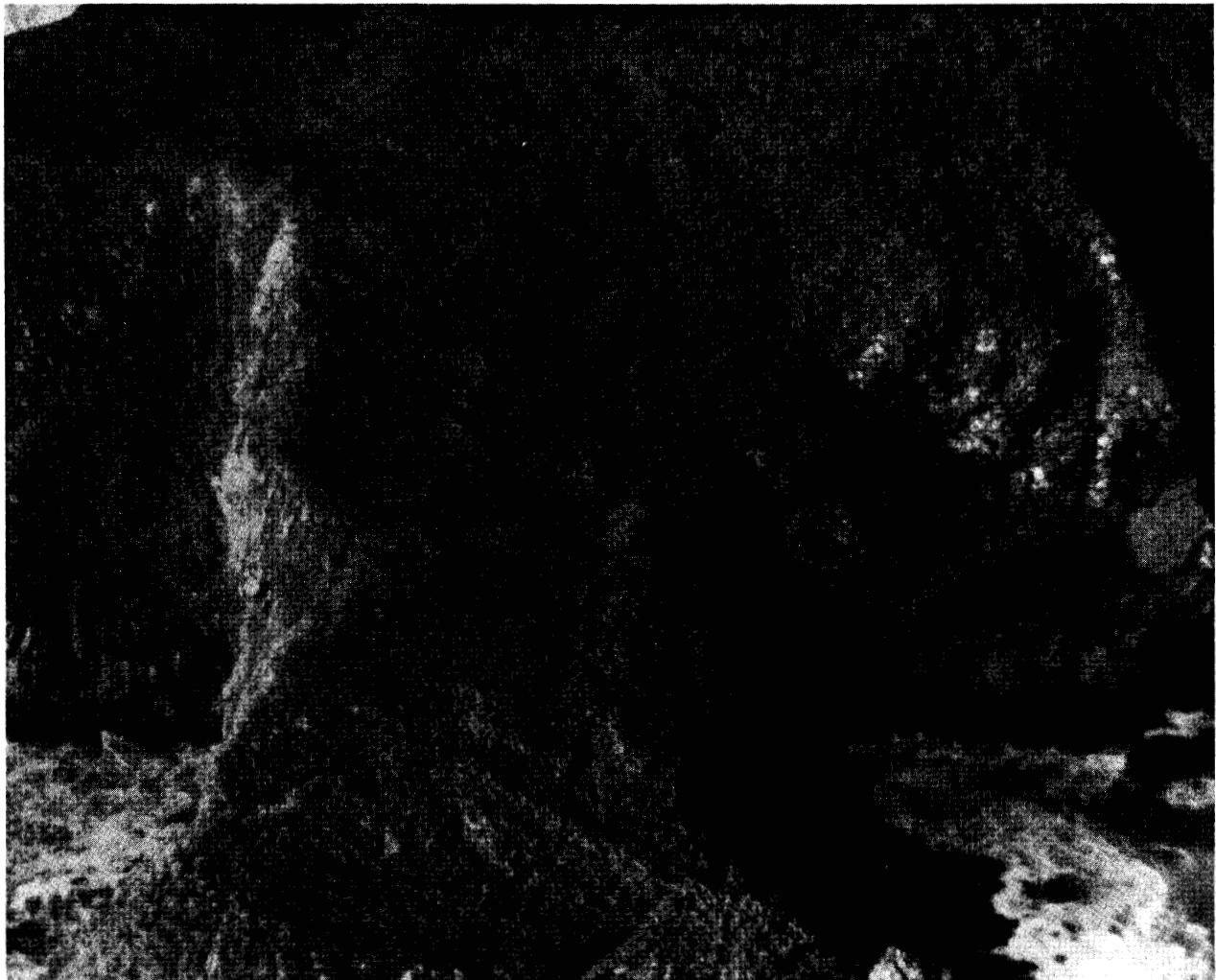
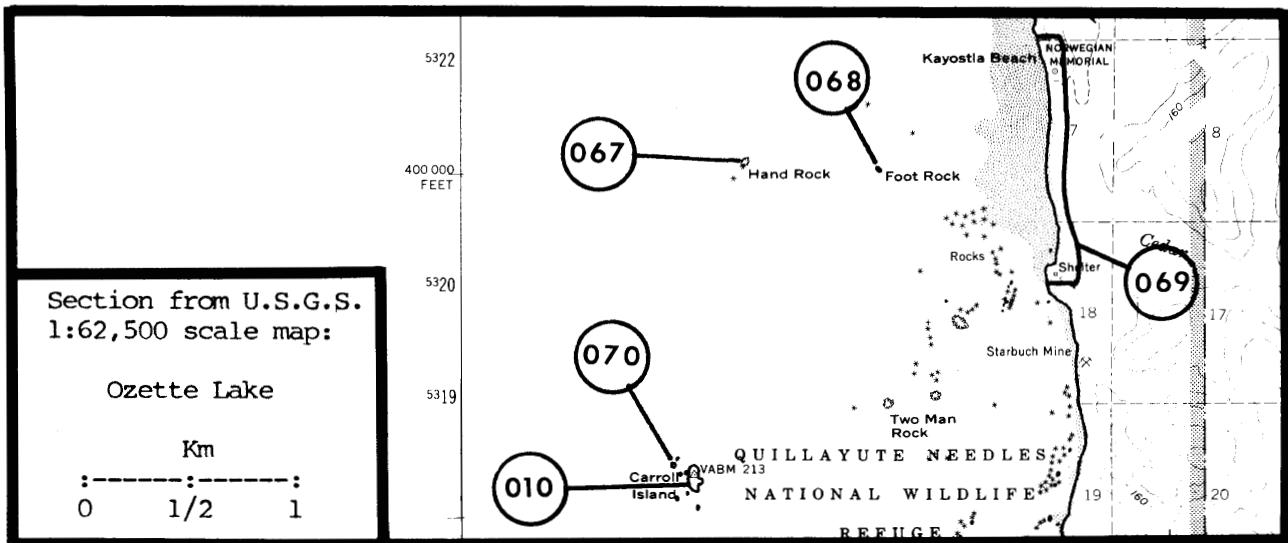
## AREA 155, Cape Flattery (cont'd.).

(010)

Carroll Island (Habaah-taylch) 48°00'20"N, 124°43'16"W

Fork-tailed Storm-Petrel	<200	Wilson	06/08/82	L III 287
Leach's Storm-Petrel	?	Wilson	06/08/82	L III 287
Double-crested Cormorant	0	Wilson	06/08/82	L III 287
Pelagic Cormorant	0	Wilson	06/08/82	L III 287
Black Oystercatcher	6	Speich	06/27/79	L III 255
Glaucous-winged Gull	1000	Wilson	06/08/82	L III 287
Common Murre	0	Wilson	06/08/82	L III 287
Cassin's Auklet	15400	Wilson	06/08/82	L III 287
Tufted Puffin	2270	Wilson	06/08/82	L III 287
Total	18876			

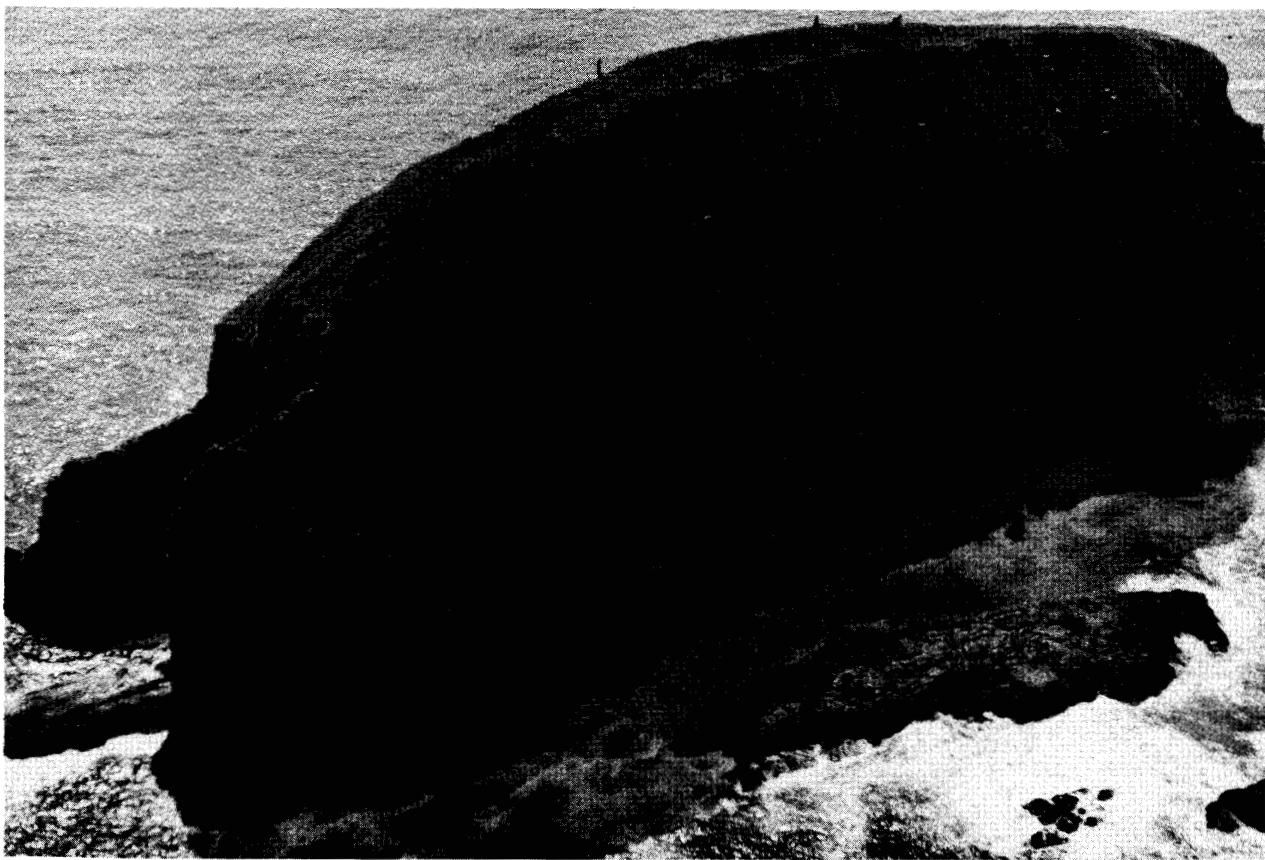
Fork-tailed Storm-Petrel	X	Speich	06/08-09/78	L III 255
Fork-tailed Storm-Petrel	100	Pitman	06/08-09/78	L III 217
Fork-tailed Storm-Petrel	1	Speich	07/22/78	S - 256
Fork-tailed Storm-Petrel	1600	Speich	08/04/79	L III 255
Leach's Storm-Petrel	500	Dawson 1908	06-07/ ?/06-07	L III 66
Leach's Storm-Petrel	4	Dawson	06/11-17/07	E - 78
Leach's Storm-Petrel	X	Jones 1908	06/ ?/07	L III 163;164
Leach's Storm-Petrel	X	Dawson 1908	06/18-21/07	L III 67
Leach's Storm-Petrel	X	Jewett et al. 1953	05/29/15	L III 158
Leach's Storm-Petrel	X	Jewett et al. 1953	08/10/15	L III 158
Leach's Storm-Petrel	2	Johnson	06/20/16	E - 159
Leach's Storm-Petrel	100's	Hancock	08/04/67	L III 122
Leach's Storm-Petrel	100's	Speich	06/08-09/78	L III 255
Leach's Storm-Petrel	100's	Pitman	06/08-09/78	L III 217
Leach's Storm-Petrel	10000	Speich	08/04/79	L III 255
Double-crested Cormorant	100	Dawson 1908	06-07/ ?/06-07	L III 66
Double-crested Cormorant	X	Jones 1908	06/ ?/07	L III 161;163
Double-crested Cormorant	X	Dawson 1908	06/18-21/07	L III 67
Double-crested Cormorant	X	Jewett et al. 1953	05/29/15	L III 158
Double-crested Cormorant	0	Speich	06/08-09/78	L III 255
Double-crested Cormorant	0	Speich	06/27/79	B III 255
Brandt's Cormorant	X	Jewett et al. 1953	05/29/15	L III 158
Brandt's Cormorant	0	Speich	06/08-09/78	L III 255
Brandt's Cormorant	0	Speich	06/27/79	B III 255
Pelagic Cormorant	500	Dawson 1908	06-07/ ?/06-07	L III 66
Pelagic Cormorant	X	Jones 1908	06/ ?/07	L III 161;164
Pelagic Cormorant	X	Dawson 1908	06/18-21/07	L III 67
Pelagic Cormorant	X	Jewett et al. 1953	05/29/15	L III 158
Pelagic Cormorant	X	Speich	06/08-09/78	L III 255
Pelagic Cormorant	40+	Pitman	06/08-09/78	L III 217
Pelagic Cormorant	76+	Speich	06/27/79	B III 255
Pelagic Cormorant	464	Speich	07/27/79	B I 255
Pelagic Cormorant	90	Wilson	08/13/81	B I 287
Black Oystercatcher	6	Dawson 1908	06-07/ ?/06-07	L III 66
Black Oystercatcher	X	Jones 1909	06/ ?/07	L III 164
Black Oystercatcher	X	Dawson 1908	06/18-21/07	L III 67
Black Oystercatcher	2	Johnson	05/30/17	E - 62



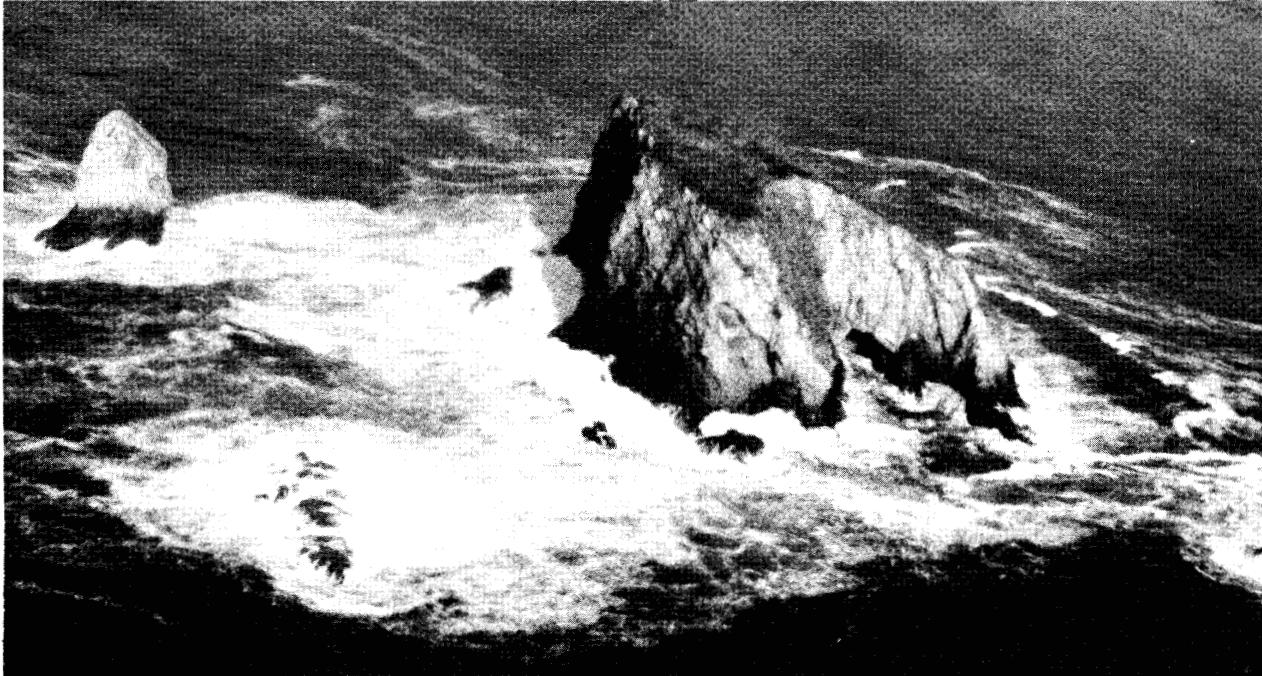
Carroll Island (155010) 19 November 1979 S.M. Speich

## AREA 155, Cape Flattery (cont'd.)

Black Oystercatcher	X	Speich	06/08-09/78	L III	255
Black Oystercatcher	3	Pitman	06/08-09/78	L III	217
Glaucous-winged Gull	1000	Dawson 1908	06-07/ ?/06-07	L III	66
Glaucous-winged Gull	X	Jones 1908	06/ ?/07	L III	163
Glaucous-winged Gull	1000	Dawson 1908	06/18-21/07	L III	67
Glaucous-winged Gull	100's	Hancock	08/04/67	L III	122
Glaucous-winged Gull	500-750	Speich	06/08-09/78	L III	255
Glaucous-winged Gull	750	Pitman	06/08-09/78	L III	217
Glaucous-winged Gull	400-500	Pitman	06/30/78	L III	217
Glaucous-winged Gull	X	Speich	06/27/79	L III	255
Common Murre	700	Dawson 1908	06-07/ ?/06-07	L III	66
Common Murre	X	Jones 1908	06/ ?/07	L III	161;164
Common Murre	200+	Dawson 1908	06/18-21/07	L III	67
Common Murre	P	Jewett et al. 1953	05/29/15	L III	158
Common Murre	200	Cantwell	?/ ?/16	? ?	52
Common Murre	X	Cantwell	07/24/17	? ?	52
Common Murre	P	Hancock	08/04/67	L III	122
Common Murre	30	Cody 1973	Summer/68-69	L III	60
Common Murre	X	Speich	06/08-09/78	L III	255
Common Murre	50	Pitman	06/08-09/78	L III	217
Common Murre	25	Speich	06/27/78	B III	255
Common Murre	30	Pitman	06/30/78	B III	217
Common Murre	400	Speich	06/27/79	B III	255
Common Murre	200+	Wilson	08/13/81	B III	287
Pigeon Guillemot	20	Dawson 1908	06-07/ ?/06-07	L III	66
Pigeon Guillemot	24	Hancock	08/04/67	L III	122
Pigeon Guillemot	X	Speich	06/08-09/78	L III	255
Pigeon Guillemot	28+	Pitman	06/08/78	L III	217
Ancient Murrelet	2	Hoffman 1924	05/09/24	L III	135
Cassin's Auklet	1000	Dawson 1908	06-07/ ?/06-07	L III	66
Cassin's Auklet	X	Jones 1908	06/ ?/07	L III	163;164
Cassin's Auklet	X	Dawson 1908	06/18-21/07	L III	67
Cassin's Auklet	X	Jewett et al. 1953	05/29/15	L III	158
Cassin's Auklet	100's	Cody 1973	Summer/68-69	L III	60
Cassin's Auklet	X	Speich	06/08-09/78	L III	255
Cassin's Auklet	1000's	Pitman	06/08/78	L III	217
Cassin's Auklet	11000	Speich	07/22/78	L III	255
Cassin's Auklet	8400	Speich	08/04/78	L III	255
Tufted Puffin	5000	Dawson 1908	06-07/ ?/06-07	L III	66
Tufted Puffin	X	Jones 1909	06/ ?/07	L III	164
Tufted Puffin	2	Jones	06/06/07	E -	166
Tufted Puffin	1000's	Dawson 1908	06/18-21/07	L III	67
Tufted Puffin	100's	Hancock	08/04/67	L III	122
Tufted Puffin	X	Cody 1973	Summer/68-69	L III	60
Tufted Puffin	100's	Speich	06/08-09/78	L III	255
Tufted Puffin	1000-2000	Pitman	06/08/78	L III	217
Tufted Puffin	4000	Pitman	06/30/78	L III	217
Tufted Puffin	8000	Speich	07/22/78	L III	255
Tufted Puffin	-2000	Pitman	06/04/79	L III	217
Tufted Puffin	X	Speich	06/27/79	L III	255
Tufted Puffin	6800	Speich	08/04/79	L III	255
Tufted Puffin	250	Wilson	08/13/81	B III	287



Carroll Island (155010) July 1959 V.B. Scheffer



Carroll Island (155010) "Paahwoke-it" (155070) 19 November 1979 S.M. Speich

## AREA 155, Cape Flattery (cont'd.)

(011)

Sail Rock 48°20'32"N, 124°32'35"W

Glaucous-winged Gull	<20	Wilson	08/20/81	B III 287
Pigeon Guillemot	6	Wilson	08/20/81	B III 287
Total	26			

Pigeon Guillemot X Speich Summer/78 M III 255

(012)

Seal Rock 48°21'45"N, 124°32'50"W

Double-crested Cormorant	8	Wilson	08/20/81	B I 287
Pelagic Cormorant	84	Wilson	08/20/81	B I 287
Glaucous-winged Gull	80	Wilson	08/20/81	B III 287
Pigeon Guillemot	4	Wilson	08/20/81	B III 287
Tufted Puffin	8	Wilson	08/20/81	B III 287
Total	184			

Pelagic Cormorant	40	Speich	Summer/78	M III 255
Pelagic Cormorant	2+	Harrington-Tweit	05/06/78	M III 124
Pelagic Cormorant	20	Harrington-Tweit	05/25/78	A III 124
Glaucous-winged Gull	15	Speich	Summer/78	M III 255
Glaucous-winged Gull	P	Harrington-Tweit	04/09/78	M III 124
Glaucous-winged Gull	12+	Harrington-Tweit	05/06/78	M III 124
Glaucous-winged Gull	30	Harrington-Tweit	05/25/78	A III 124
Glaucous-winged Gull	X	Wahl	07/05/78	A III 269
Glaucous-winged Gull	43	Harrington-Tweit	08/21/78	M III 124
Pigeon Guillemot	X	Speich	Summer/78	M III 255
Pigeon Guillemot	2	Harrington-Tweit	05/06/78	M III 124
Tufted Puffin	X	Chappell	08/ ?/76	M III 58
Tufted Puffin	25	Speich	Summer/78	M III 255
Tufted Puffin	36	Harrington-Tweit	05/06/78	M III 124
Tufted Puffin	24	Harrington-Tweit	05/25/78	A III 124
Tufted Puffin	41	Wahl	07/05/78	A III 269
Tufted Puffin	X	Chappell	08/08/78	? ? 58

(013)

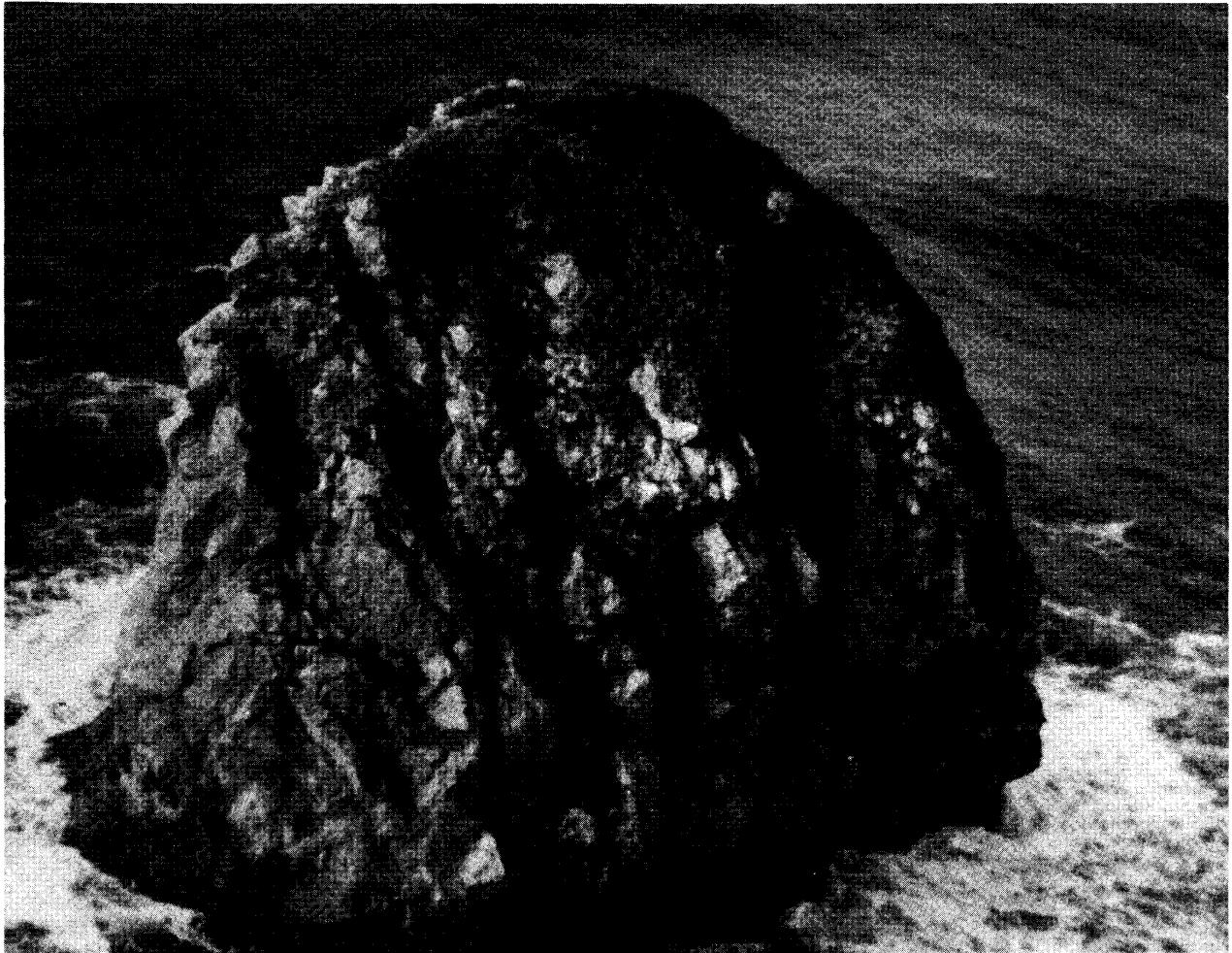
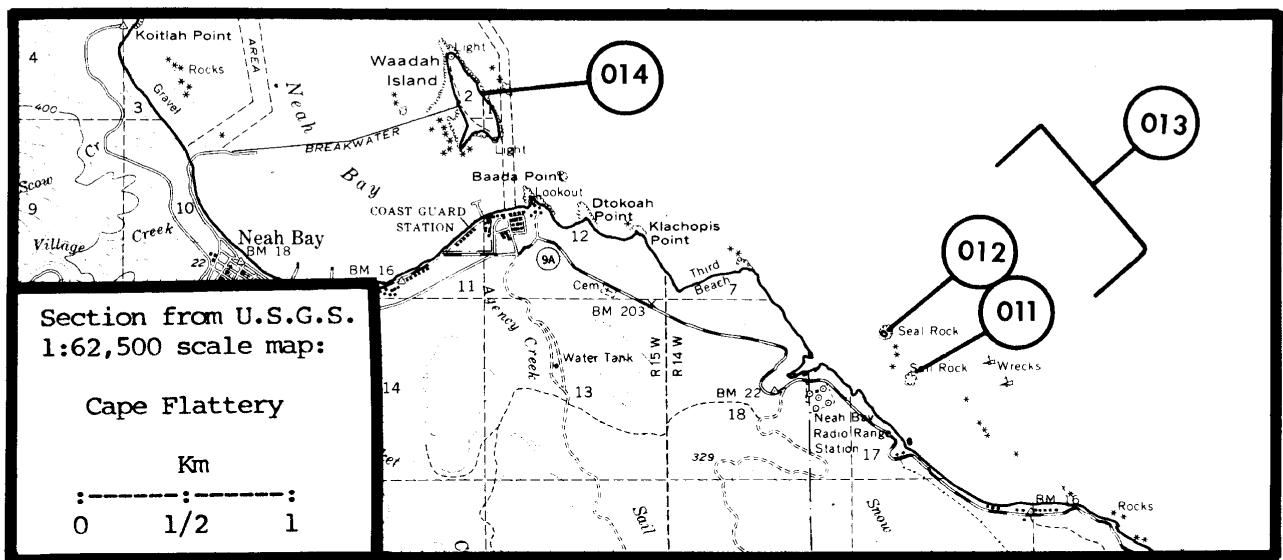
Sail Rock and Seal Rock 48°21'42"N, 124°32'42"W

Unidentified Species	X	Einarsen 1925	? / ?/20's	?	?	103
Pelagic Cormorant	X	Preble & Young	05/13-06/18/1897			218
Black Oystercatcher	X	Speich	Summer/78	M III	255	

(014)

Waadah Island 48°22'55"N, 124°35'50"W

No Nesting Observed 0 Pitman 06/18/78 B III 217



White Rock (155008) 19 November 1979 S.M. Speich

AREA 155, Cape Flattery (cont'd.)

(015) Chibahdehi Rocks  $48^{\circ}23'40"N, 124^{\circ}40'30"W$

No Nesting Observed	0	Wilson	08/20/81	B III 287
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(016) Slant Rock  $48^{\circ}23'29"N, 124^{\circ}41'38"W$

Black Oystercatcher	2	Wilson	08/20/81	B III 287
Black Oystercatcher	2	Pitman	06/18/78	B III 217

(017) Mushroom Rock  $48^{\circ}23'24"N, 124^{\circ}42'47"W$

Black Oystercatcher	2	Knight	06/20/78	M I 171
No Nesting Observed	0	Pitman	06/18/78	B III 217

(018) "Unnamed Rock"  $48^{\circ}23'22"N, 124^{\circ}43'08"W$

No Nesting Observed	0	Pitman	06/18/78	B III 217
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(019) "Unnamed Rock"  $48^{\circ}23'22"N, 124^{\circ}43'08"W$

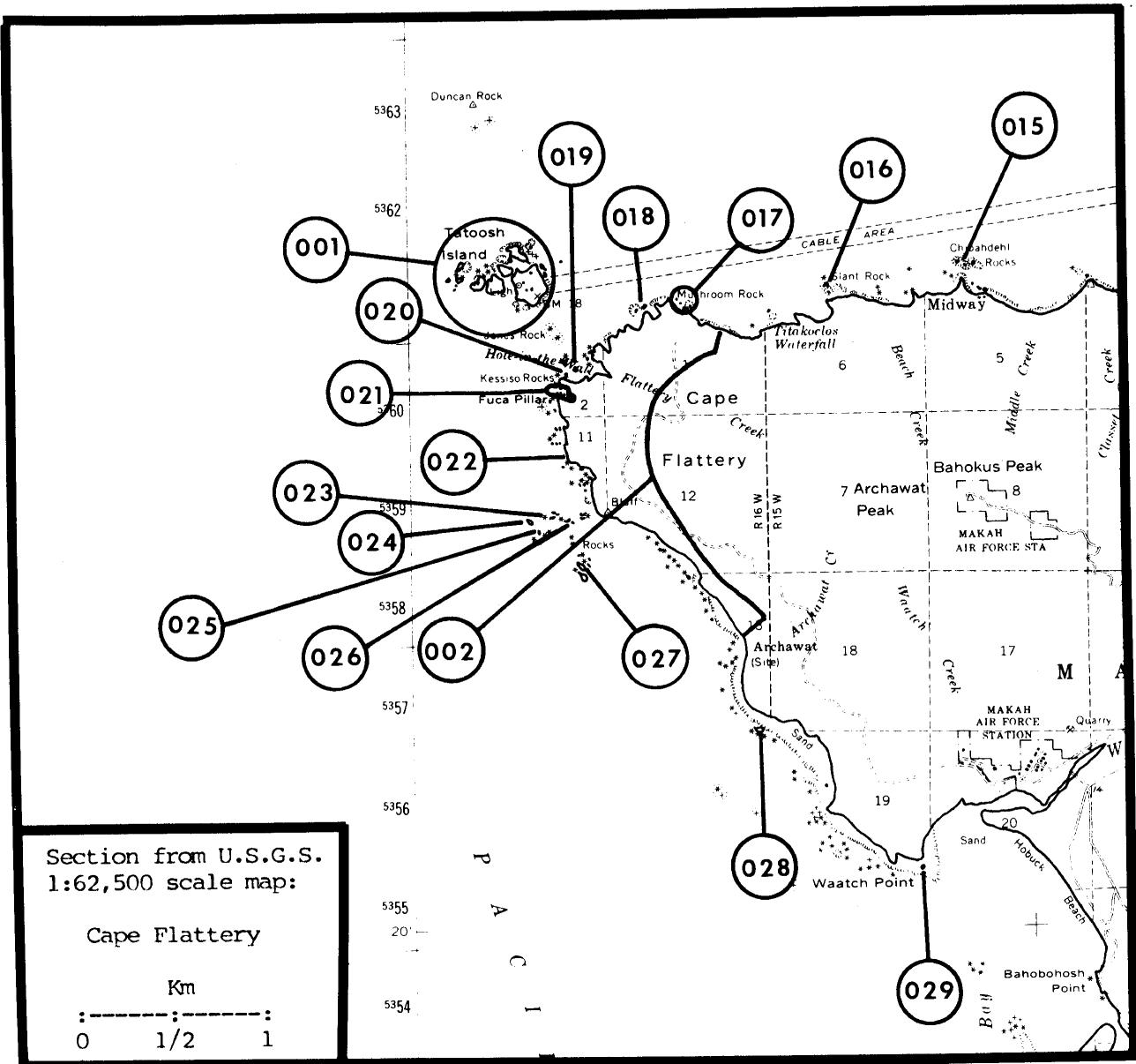
Black Oystercatcher	1	Pitman	06/17/78	B III 217
Glaucous-winged Gull	10	Pitman	06/17/78	B III 217
Total	11			

(020) Kessiso Rocks  $48^{\circ}23'00"N, 124^{\circ}43'43"W$

No Nesting Observed	0	Wilson	08/20/81	B I 287
No Nesting Observed	0	Pitman	06/17/78	B III 217

(021) "Unnamed Rocks"  $48^{\circ}22'54"N, 124^{\circ}43'46"W$

Black Oystercatcher	1?	Pitman	06/17/78	B III 217
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AREA 155, Cape Flattery (cont'd.)

(022) Fuca's Pillar  $48^{\circ}22'52"N, 124^{\circ}43'51"W$

No Nesting Observed	0	Pitman	06/17/78	B III 217
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(023) "Unnamed Rock"  $48^{\circ}22'16"N, 124^{\circ}43'52"W$

No Nesting Observed	0	Pitman	06/17/78	B III 217
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(024) "Unnamed Rock"  $48^{\circ}22'13"N, 124^{\circ}44'03"W$

Pelagic Cormorant	34	Pitman	06/17/78	B I 217
Black Oystercatcher	1	Pitman	06/17/78	B III 217
Glaucous-winged Gull	4	Pitman	06/17/78	B II 217
Total	39			

(025) "Unnamed Rock"  $48^{\circ}22'09"N, 124^{\circ}43'58"W$

No Nesting Observed	0	Pitman	06/17/78	B III 217
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(026) "Unnamed Rock"  $48^{\circ}22'12"N, 124^{\circ}43'44"W$

No Nesting Observed	0	Pitman	06/17/78	B III 217
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(027) "Unnamed Rock"  $48^{\circ}21'58"N, 124^{\circ}43'38"W$

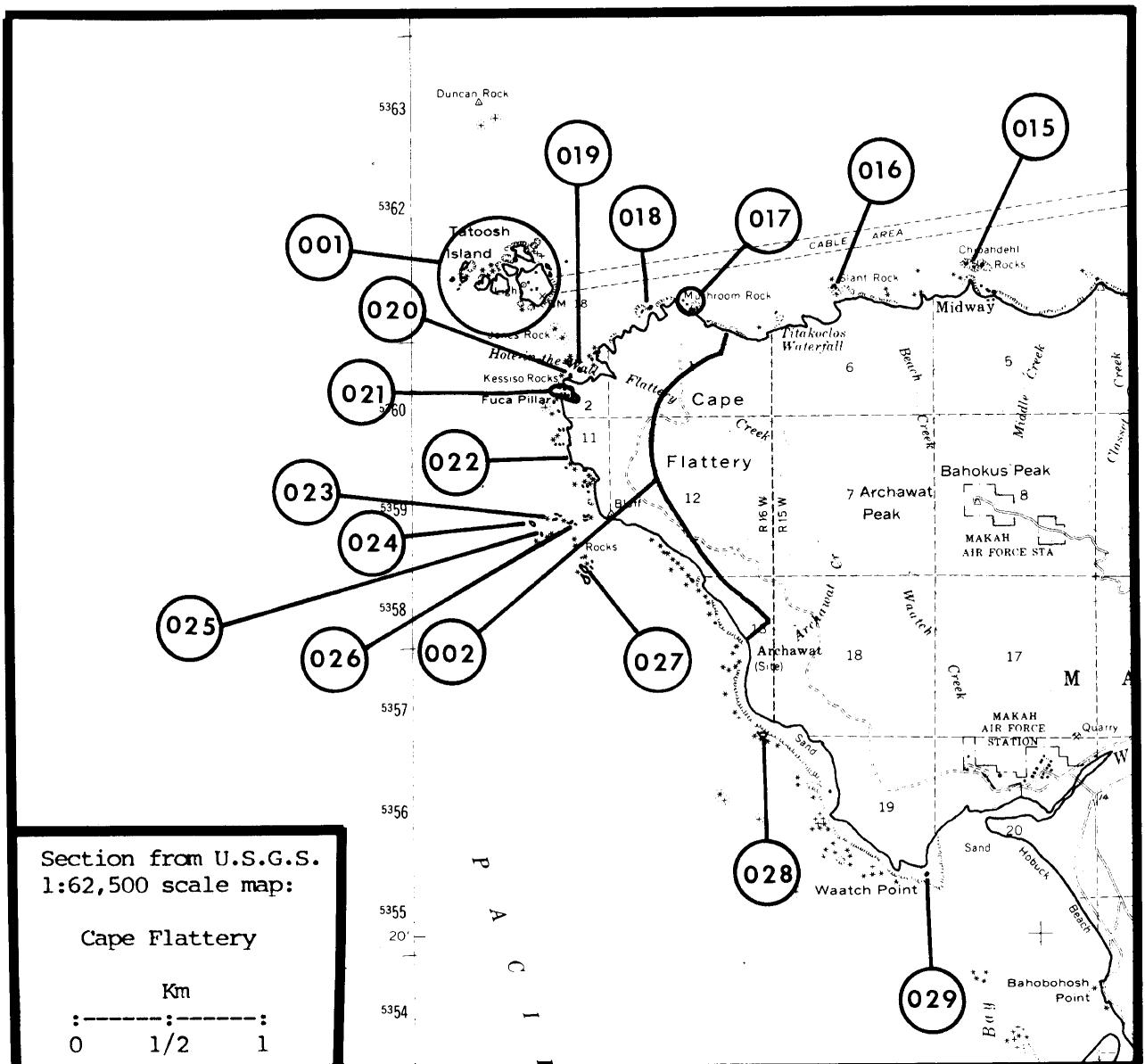
Pelagic Cormorant	10	Pitman	06/17/78	B I 217
Black Oystercatcher	1	Pitman	06/17/78	B III 217
Glaucous-winged Gull	50	Pitman	06/17/78	B II 217
Total	61			

(028) "Unnamed Rock"  $48^{\circ}21'06"N, 124^{\circ}42'15"W$

Glaucous-winged Gull	2	Pitman	06/17/78	B I 217
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(029) Waatch Point, rock  $48^{\circ}20'19"N, 124^{\circ}40'55"W$

No Nesting Observed	0	Pitman	06/17/78	B III 217
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AREA 155, Cape Flattery (cont'd.)

(030)

"Unnamed Rock" 48°19'08"N, 124°40'00"W

No Nesting Observed	0	Speich	06/27/78	B III 255
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(031)

"Unnamed Rock" 48°18'08"N, 124°41'17"W

Black Oystercatcher	1?	Speich	06/27/78	B III 255
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(032)

"Unnamed Rock" 48°17'55"N, 124°40'29"W

Black Oystercatcher	3	Speich	06/27/78	B III 255
Glaucous-winged Gull	<u>30</u>	Speich	06/27/78	B II 255
Total	<u>33</u>			

(033)

"Unnamed Rock" 48°17'52"N, 124°40'41"W

No Nesting Observed	0	Speich	06/27/78	B III 255
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(034)

"Unnamed Rock" 48°16'49"N, 124°41'03"W

Pelagic Cormorant	16	Speich	06/27/78	B I 255
Glaucous-winged Gull	<u>2</u>	Speich	06/27/78	B I 255
Total	<u>18</u>			

(035)

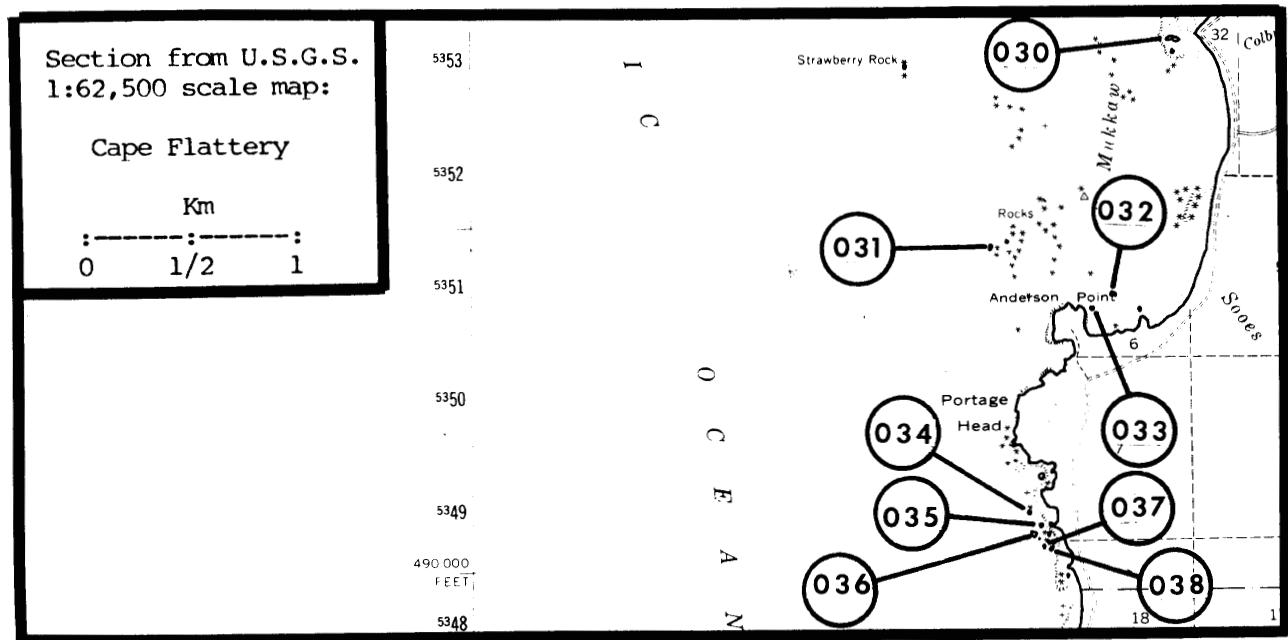
"Unnamed Rock" 48°16'47"N, 124°41'00"W

No Nesting Observed	0	Speich	06/27/78	B III 255
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(036)

"Unnamed Rock" 48°16'45"N, 124°41'02"W

Pelagic Cormorant	52	Speich	06/27/78	B I 255
Glaucous-winged Gull	<u>8</u>	Speich	06/27/78	B I 255
Total	<u>60</u>			



(037)

"Unnamed Rock" 48°16'42"N, 124°40'58"W

No Nesting Observed

0 Speich

06/27/78

B III 255

(038)

"Unnamed Rock" 48°16'39"N, 124°40'51"W

No Nesting Observed

0 Speich

06/27/78

B III 255

## AREA 155, Cape Flattery (cont'd.)

(039)

"Silver Sides" 48°15'11"N, 124°42'30"W

Double-crested Cormorant	32	Speich	06/27/78	B I 255
Pelagic Cormorant	64	Speich	06/27/78	B I 255
Glaucous-winged Gull	102	Speich	06/27/78	B III 255
Tufted Puffin	200	Speich	06/27/78	B III 255
Total	398			

Double-crested Cormorant	32	Pitman	06/27/78	B I 217
Pelagic Cormorant	200	Dawson 1908	06-07/ ?/06-07	? III 66
Pelagic Cormorant	64	Pitman	06/27/78	B I 217
Black Oystercatcher	10	Dawson 1908	06-07/ ?/06-07	? III 66
Glaucous-winged Gull	500	Dawson 1908	06-07/ ?/06-07	? III 66
Glaucous-winged Gull	70	Pitman	06/27/78	B I 217
Tufted Puffin	1000	Dawson 1908	06-07/ ?/06-07	? III 66
Tufted Puffin	X	Pitman	06/27/78	B III 217

(040)

"Unnamed Rock" 48°15'12"N, 124°42'26"W

Glaucous-winged Gull	6	Speich	06/27/78	B II 255
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(041)

"Unnamed Rock" 48°15'07"N, 124°42'25"W

Black Oystercatcher	2	Speich	06/27/78	B III 255
Glaucous-winged Gull	16	Speich	06/27/78	B II 255
Total	18			

(042)

"Unnamed Rock" 48°15'02"N, 124°42'15"W

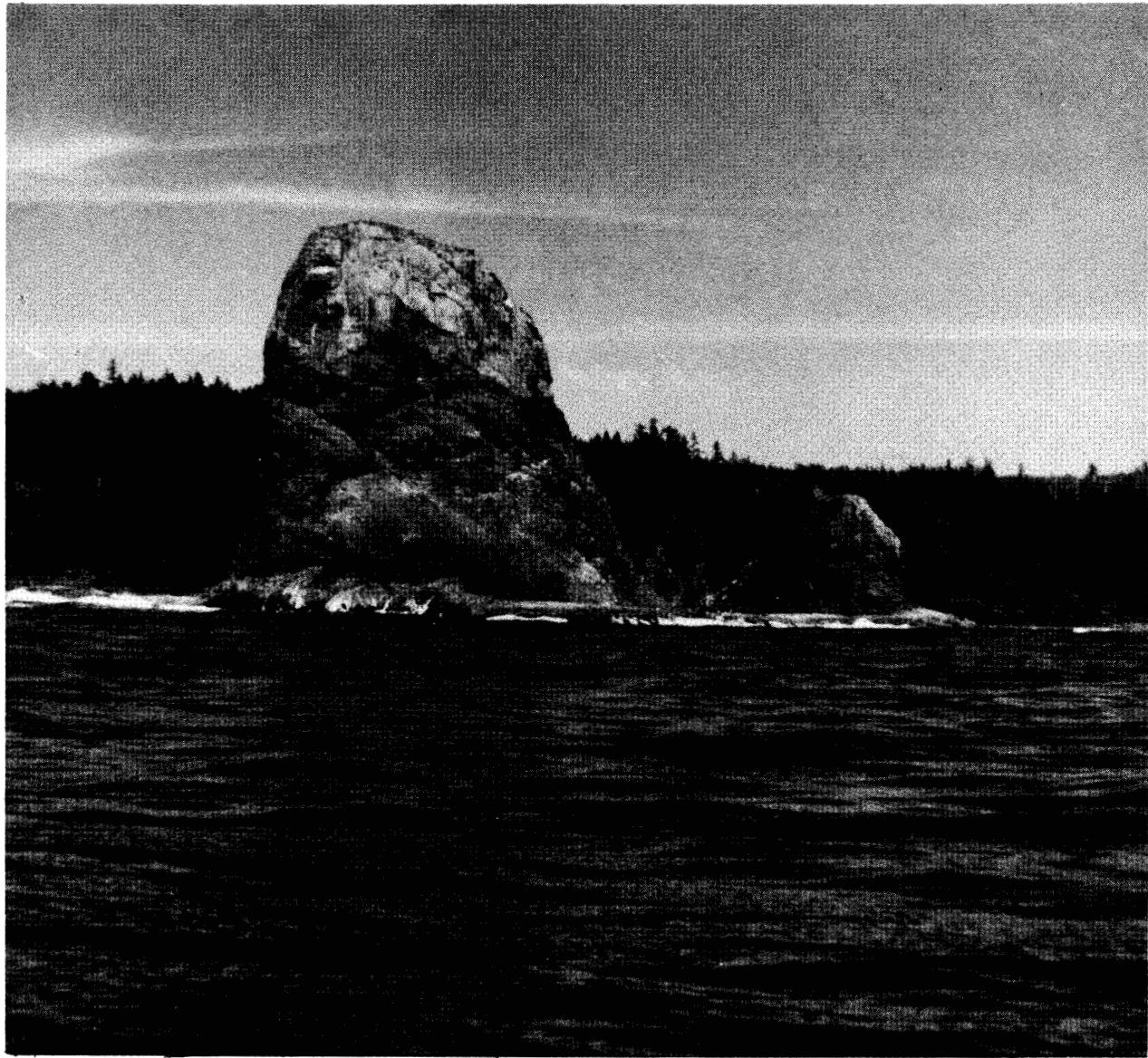
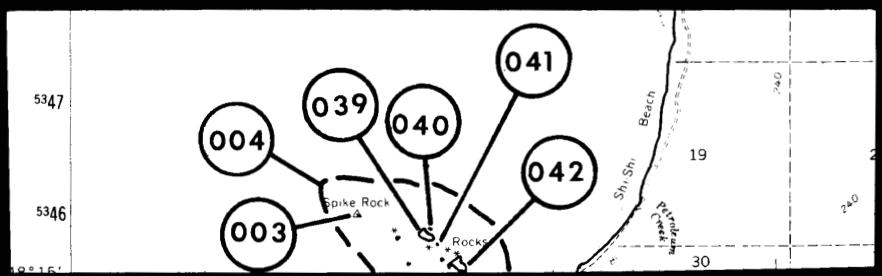
No Nesting Observed	0	Speich	06/27/78	B III 255
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Section from U.S.G.S.  
1:62,500 scale map:

Cape Flattery

Km

0      1/2      1



Father and Son (155054 & 155055) 27 June 1978 R.L. Pitman

AREA 155, Cape Flattery (cont'd.)

(043) "Unnamed Rock" 48°14'58"N, 124°42'15"W

No Nesting Observed	0	Speich	06/27/78	B III 255
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(044) "Unnamed Rock" 48°14'54"N, 124°42'11"W

No Nesting Observed	0	Speich	06/27/78	B III 255
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(045) "Unnamed Rock" 48°14'56"N, 124°42'11"W

No Nesting Observed	0	Speich	06/27/78	B III 255
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(046) "Unnamed Rock" 48°14'55"N, 124°42'03"W

No Nesting Observed	0	Speich	06/27/78	B III 255
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(047) "Unnamed Rock" 48°14'48"N, 124°42'03"W

No Nesting Observed	0	Speich	06/27/78	B III 255
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(048) "Unnamed Rock" 48°14'54"N, 124°42'01"W

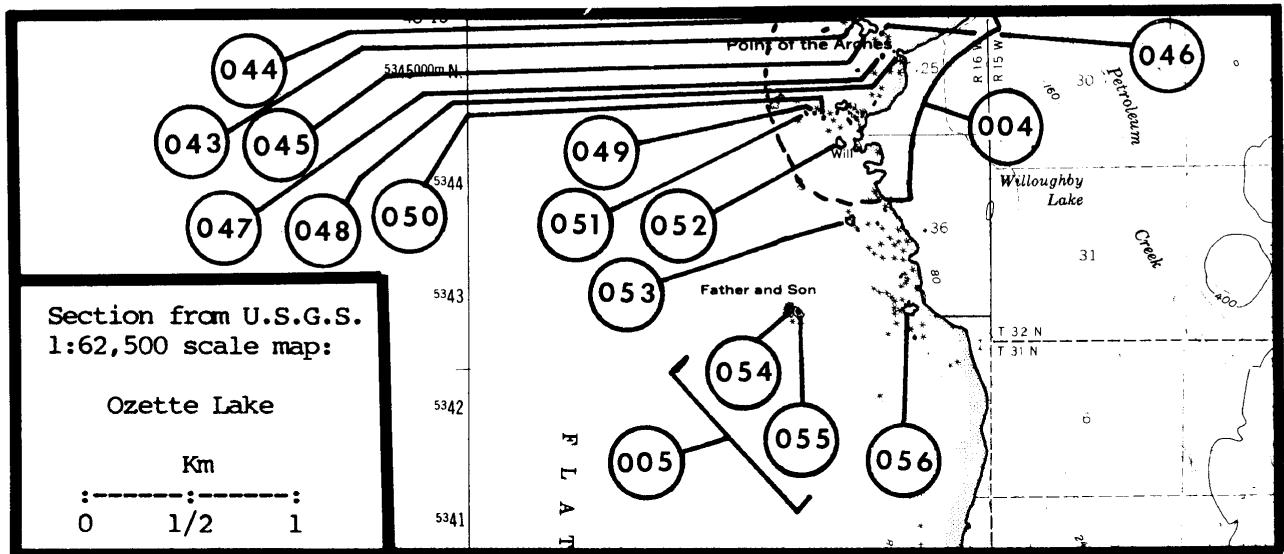
No Nesting Observed	0	Speich	06/27/78	B III 255
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(049) "Unnamed Rock" 48°14'32"N, 124°42'32"W

Pelagic Cormorant	30	Speich	06/27/78	B I 255
Black Oystercatcher	2	Speich	06/27/78	B III 255
Total	<u>32</u>			

(050) "Unnamed Rock" 48°14'32"N, 124°42'27"W

Pelagic Cormorant	20	Speich	06/27/78	B I 255
Glaucous-winged Gull	14	Speich	06/27/78	B III 255
Total	<u>34</u>			



(051)

"Unnamed Rock" 48°14'32"N, 124°42'37"W

Pelagic Cormorant	10	Speich	06/27/78	B I 255
Glaucous-winged Gull	4	Speich	06/27/78	B II 255
Total	14			

(052)

"Unnamed Rock" 48°14'22"N, 124°42'21"W

No Nesting Observed	0	Speich	06/27/78	B III 255
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(Habitat for small burrowing species present)

(053)

"Unnamed Rock" 48°14'01"N, 124°42'16"W

No Nesting Observed	0	Speich	06/27/78	B III 255
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(Habitat for small burrowing species present)

AREA 155, Cape Flattery (cont'd.)

(054)

Father, of Father & Son<sup>1</sup> 48°13'36"N, 124°42'43"W

Pelagic Cormorant	2	Speich	06/27/78	B	I	255
Glaucous-winged Gull	2	Speich	06/27/78	B	I	255
Total	4					

Double-crested Cormorant	20	Dawson 1908	06-07/ ?/06-07	?	66
Pelagic Cormorant	200	Dawson 1908	06-07/ ?/06-07	?	66
Black Oystercatcher	2	Dawson 1908	06-07/ ?/06-07	?	66
Glaucous-winged Gull	100	Dawson 1908	06-07/ ?/06-07	?	66

<sup>1</sup>See also Father and Son (155005).

(055)

Son, of Father & Son<sup>1</sup> 48°13'36"N, 124°42'39"W

No Nesting Observed	0	Speich	06/27/78	B	III	255
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<sup>1</sup>See also Father and Son (155005).

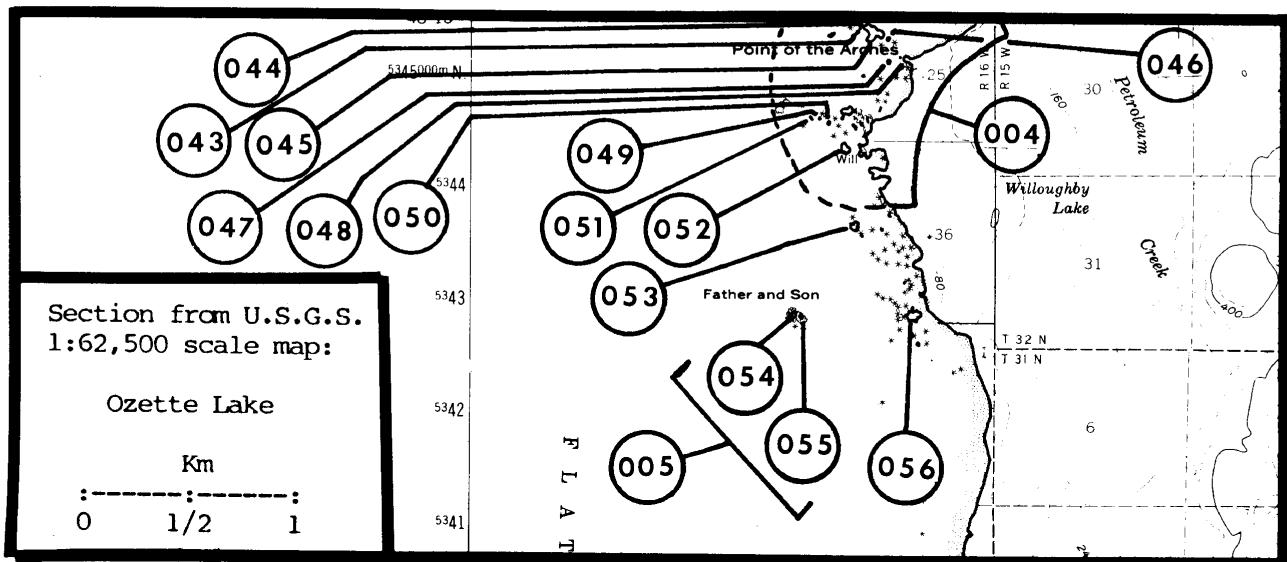
(056)

"Unnamed Rock" 48°13'35"N, 124°41'52"W

No Nesting Observed	0	Speich	06/27/78	B	III	255
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Bodelteh Island, west (155058), left; Bodelteh Island, middle (155059)  
1979 S.M. Speich



Bodelteh Island, middle (155059), front; Bodelteh Island, west(155058) 5 June 1979  
S.M. Speich

## AREA 155, Cape Flattery (cont'd.)

(057)

"Unnamed Rock" 48°10'39"N, 124°45'49"W

Double-crested Cormorant	?	Pitman	06/04-06/79	M III 217
Pelagic Cormorant	30	Pitman	06/04-06/79	M II 217
Glaucous-winged Gull	5?	Pitman	06/04-06/79	M III 217
Total	<u>35</u>			

Pelagic Cormorant	8	Speich	06/27/78	B III 255
Pelagic Cormorant	40	Pitman	06/28-29/78	M II 217
Glaucous-winged Gull	6?	Speich	06/27/78	B III 255

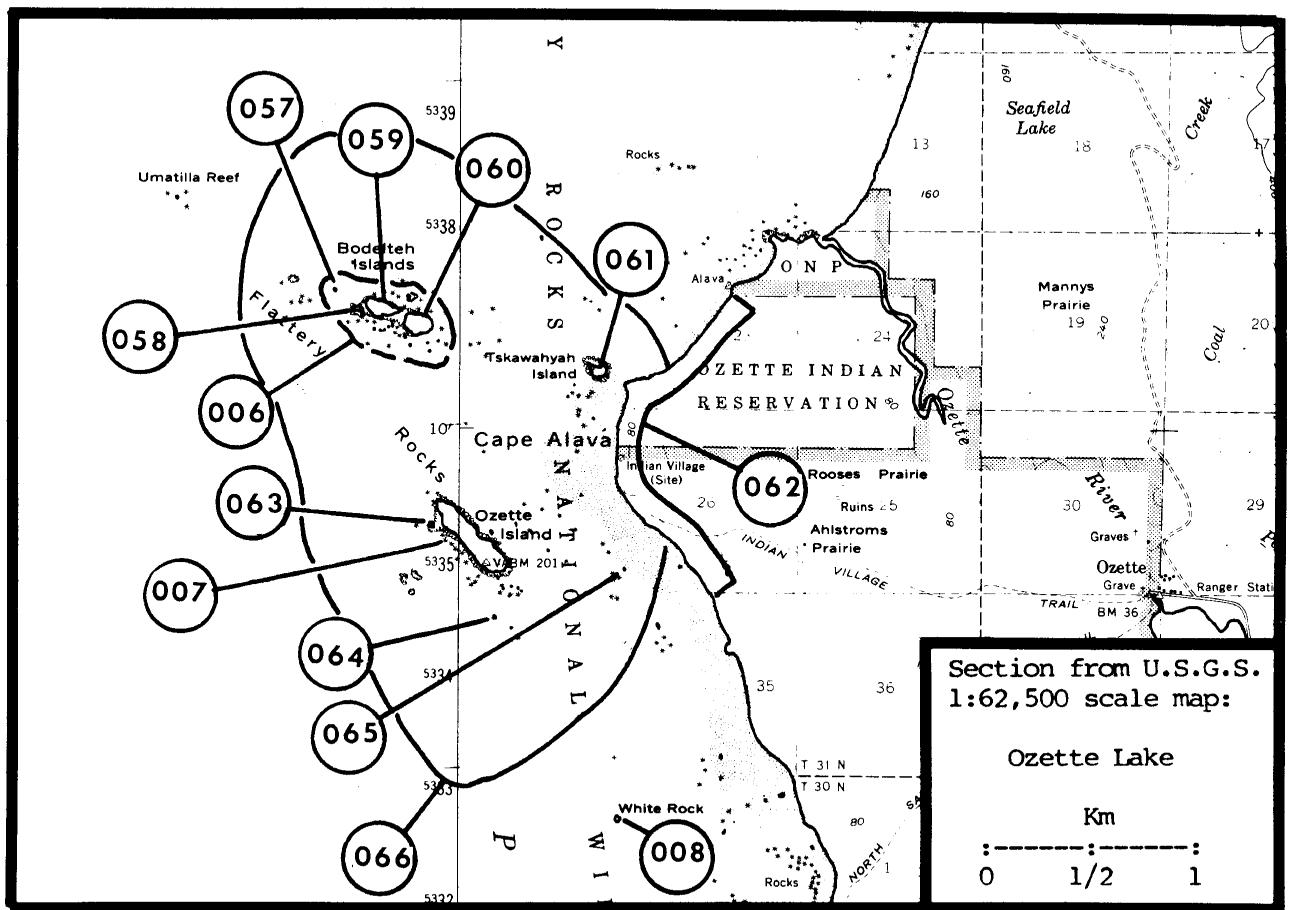
(058)

Bodelteh Island, west<sup>1</sup> 48°10'33"N, 124°45'44"W

Double-crested Cormorant	0	Wilson	05/27-29/82	M III 287
Pelagic Cormorant	0	Wilson	05/27-29/82	M III 287
Black Oystercatcher	4	Wilson	05/27-29/82	M III 287
Glaucous-winged Gull	185	Wilson	05/27-29/82	M III 287
Pigeon Guillemot	8	Wilson	05/27-29/82	M III 287
Tufted Puffin	10?	Wilson	05/27-29/82	M III 287
Total	<u>207</u>			

Double-crested Cormorant	0	Pitman	06/04-06/79	M III 217
Double-crested Cormorant	X	Speich	06/04-06/79	M III 255
Pelagic Cormorant	4	Speich	06/27/78	M III 255
Pelagic Cormorant	40	Pitman	06/28-29/78	M III 217
Pelagic Cormorant	86	Pitman	06/04-06/79	M III 217
Pelagic Cormorant	X	Speich	06/04-06/79	M III 255
Glaucous-winged Gull	150	Speich	06/27/78	M III 255
Glaucous-winged Gull	X	Pitman	06/28-29/78	M III 217
Glaucous-winged Gull	76	Pitman	06/04-06/79	M III 217
Glaucous-winged Gull	X	Speich	06/04-06/79	M III 255
Common Murre	15P	Pitman	06/28-29/78	M III 217
Common Murre	19?	Pitman	06/04-06/79	M III 217
Pigeon Guillemot	19	Pitman	06/28-29/78	M III 217
Tufted Puffin	150-200	Speich	06/27/78	M III 255
Tufted Puffin	X	Pitman	06/28-29/78	M III 217
Tufted Puffin	130	Pitman	06/04-06/79	M III 217
Tufted Puffin	X	Speich	06/04-06/79	M III 255

<sup>1</sup>See also Bodelteh Islands (155006).



## AREA 155, Cape Flattery (cont'd.)

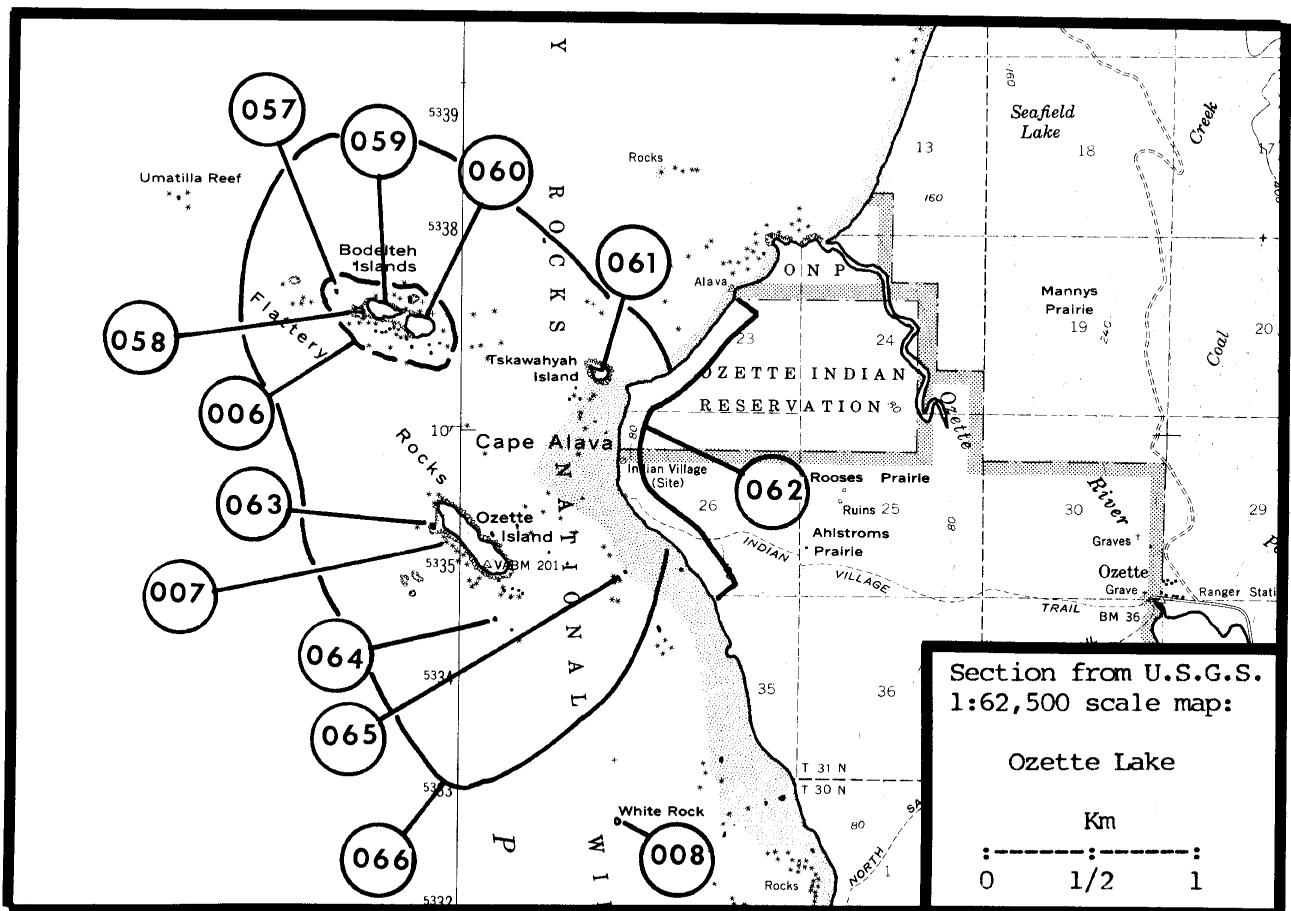
(059)

Bodelteh Island, middle<sup>1</sup> 48°10'33"N, 124°45'33"W

Fork-tailed Storm-Petrel	978	Wilson	05/27-29/82	L III 287
Leach's Storm-Petrel	X	Pitman	06/04-06/79	L III 217
Double-crested Cormorant	0	Wilson	05/27-29/82	L III 287
Pelagic Cormorant	0	Wilson	05/27-29/82	L III 287
Black Oystercatcher	4	Wilson	05/27-29/82	L III 287
Glaucous-winged Gull	250	Wilson	05/27-29/82	L II 287
Common Murre	<100	Speich	06/04-06/79	L III 255
Pigeon Guillemot	15	Wilson	05/27-29/82	L III 287
Cassin's Auklet	3000	Pitman	06/04-06/79	L III 217
Tufted Puffin	8	Wilson	05/27-29/82	L II 287
Total	4355			

Fork-tailed Storm-Petrel	100's	Richardson 1960	07/17/59	L III 226
Fork-tailed Storm-Petrel	100's	Pitman	06/28-29/78	L III 217
Fork-tailed Storm-Petrel	X	Pitman	06/04-06/79	L III 217
Fork-tailed Storm-Petrel	X	Pitman	06/04-06/79	L III 255
Leach's Storm-Petrel	X	Richardson 1960	07/17/59	L III 226
Leach's Storm-Petrel	X	Pitman	06/28-29/78	L III 217
Double-crested Cormorant	0	Pitman	06/04-06/79	L III 217
Pelagic Cormorant	70	Speich	06/27/78	B II 255
Pelagic Cormorant	56	Pitman	06/28-29/78	L III 217
Pelagic Cormorant	48	Graybill	06/04-05/79	L II 119
Pelagic Cormorant	104	Pitman	06/04-06/79	L II 217
Black Oystercatcher	3	Speich	06/27/78	L III 255
Glaucous-winged Gull	370	Speich	06/27/78	B II 255
Glaucous-winged Gull	X	Pitman	06/28-29/78	L III 217
Glaucous-winged Gull	X	Pitman	06/04-06/79	L III 217
Glaucous-winged Gull	X	Speich	06/04-06/79	L III 255
Cassin's Auklet	X	Richardson 1960	07/17/59	L III 226
Tufted Puffin	X	Speich	06/27/78	L III 255
Tufted Puffin	X	Pitman	06/28-29/78	L III 217
Tufted Puffin	250	Pitman	06/04-06/79	L III 217

<sup>1</sup>See also Bodelteh Islands (155006).



## AREA 155, Cape Flattery (cont'd.)

(060)

Bodelteh Island, east<sup>1</sup> 48°10'30"N, 124°45'18"W

Fork-tailed Storm-Petrel	900	Wilson	05/27-29/82	L III	287
Leach's Storm-Petrel	X	Speich	08/02-04/79	L III	255
Double-crested Cormorant	0	Wilson	05/27-29/82	L III	287
Pelagic Cormorant	0	Wilson	05/27-29/82	L III	287
Black Oystercatcher	8	Wilson	05/27-29/82	L III	287
Glaucous-winged Gull	470	Wilson	05/27-29/82	L III	287
Pigeon Guillemot	12	Wilson	05/27-29/82	L III	287
Cassin's Auklet	5600	Wilson	05/27-29/82	L III	287
Rhinoceros Auklet	10	Wilson	05/27-29/82	L III	287
Tufted Puffin	6	Wilson	05/27-29/82	L I	287
Total	<u>7006</u>				

Fork-tailed Storm-Petrel	100's	Richardson 1960	07/17/59	L III	226
Fork-tailed Storm-Petrel	100's	Pitman	06/28-29/78	L III	217
Fork-tailed Storm-Petrel	X	Pitman	06/04-06/79	L III	217
Fork-tailed Storm-Petrel	100's	Speich	06/04-06/79	L III	255
Fork-tailed Storm-Petrel	100's	Speich	08/02-04/79	L III	255
Leach's Storm-Petrel	X	Richardson 1960	07/17/59	L III	226
Leach's Storm-Petrel	X	Pitman	06/28-29/78	L III	217
Leach's Storm-Petrel	X	Pitman	06/04-06/79	L III	217
Leach's Storm-Petrel	X	Speich	06/04-06/79	L III	255
Double-crested Cormorant	0	Pitman	06/04-06/79	L III	217
Pelagic Cormorant	0	Pitman	06/28-29/78	L III	217
Pelagic Cormorant	0	Pitman	06/04-06/79	L III	217
Black Oystercatcher	16	Speich	06/04-06/79	L III	255
Glaucous-winged Gull	X	Pitman	06/28-29/78	L III	217
Glaucous-winged Gull	260	Graybill	06/04-05/79	L II	119
Glaucous-winged Gull	X	Pitman	06/04-06/79	L III	217
Glaucous-winged Gull	X	Speich	06/04-06/79	L III	255
Glaucous-winged Gull	X	Speich	08/02-04/79	L III	255
Pigeon Guillemot	14	Pitman	06/28-29/78	L III	217
Cassin's Auklet	X	Richardson 1960	07/17/59	L III	226
Cassin's Auklet	X	Graybill	06/04-05/79	L III	119
Cassin's Auklet	4000-6000	Speich	06/04-06/79	L II	255
Cassin's Auklet	5400	Speich	08/02-04/79	L II	255
Rhinoceros Auklet	10-15	Graybill	06/04-05/79	L III	119
Rhinoceros Auklet	6	Speich	08/02-04/79	L II	255
Tufted Puffin	20	Pitman	06/28-29/78	L II	217
Tufted Puffin	7	Graybill	06/04-05/79	L II	119
Tufted Puffin	10	Pitman	06/04-06/79	L II	217

<sup>1</sup>See also Bodelteh Islands (155006).

(061)

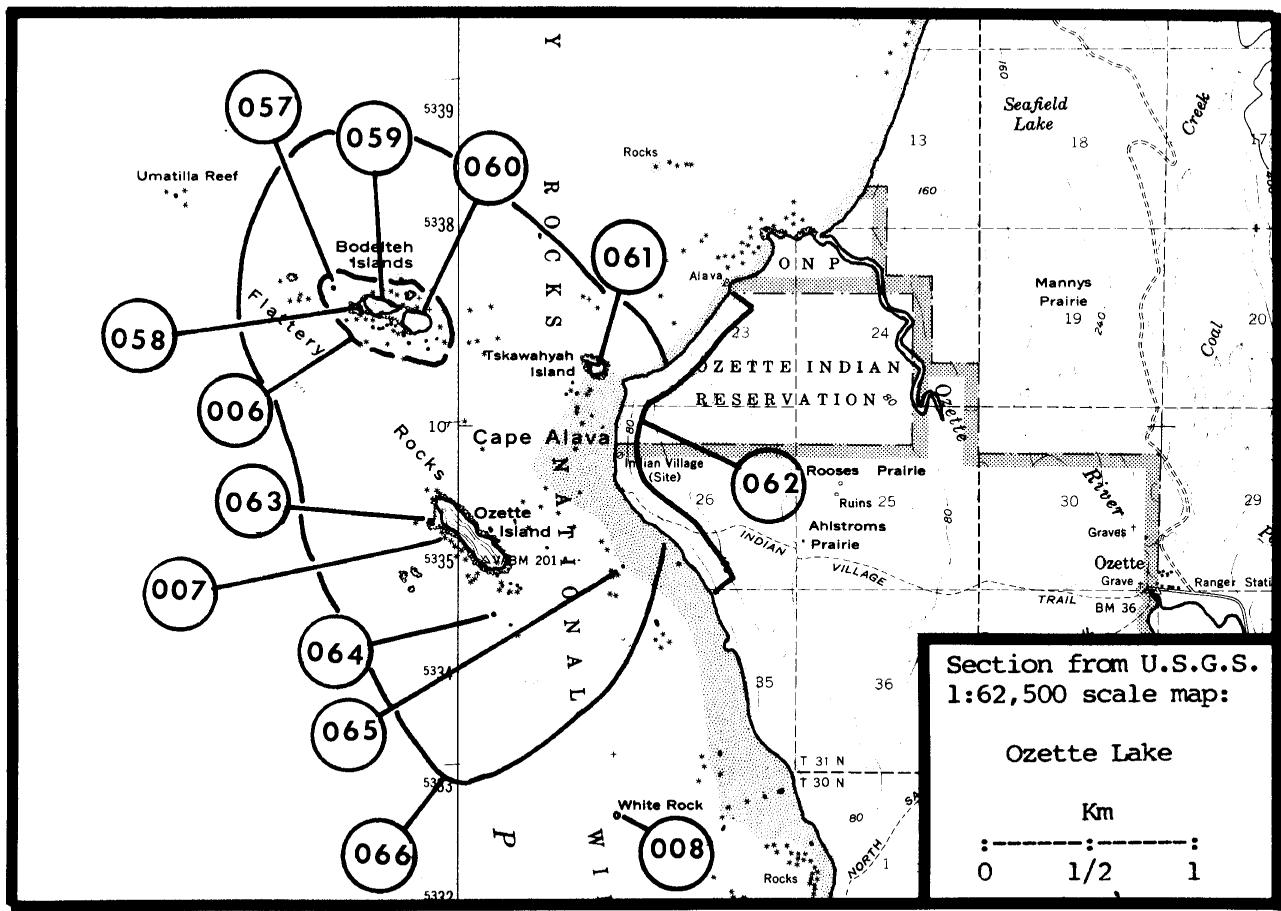
Tskawayyah Island 48°10'16"N, 124°46'02"W

No Nesting Observed

0 Speich

06/27/78

B III 255



## AREA 155, Cape Flattery (cont'd.)

(062)

Cape Alava, mainland  $48^{\circ}10'00"N, 124^{\circ}44'00"W$ 

Black Oystercatcher	3	Chappell	08/20/78	L III 58
Black Oystercatcher	1	Alcorn	04/07/48	S - 8
Black Oystercatcher	1	Alcorn	05/15/48	S - 8
Black Oystercatcher	2	Nysewander 1977	?/ ?/74?	L III 204

(063)

"Unnamed Rock"  $48^{\circ}09'28"N, 124^{\circ}45'15"W$ 

No Nesting Observed	0	Speich	06/26-27/79	L III 255
Glaucous-winged Gull	X	Kenyon & Scheffer 1962	07/16/59	L III 167

(064)

"Unnamed Rock"  $48^{\circ}09'07"N, 124^{\circ}44'45"W$ 

Black Oystercatcher	1	Speich	06/27/78	B III 217
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(065)

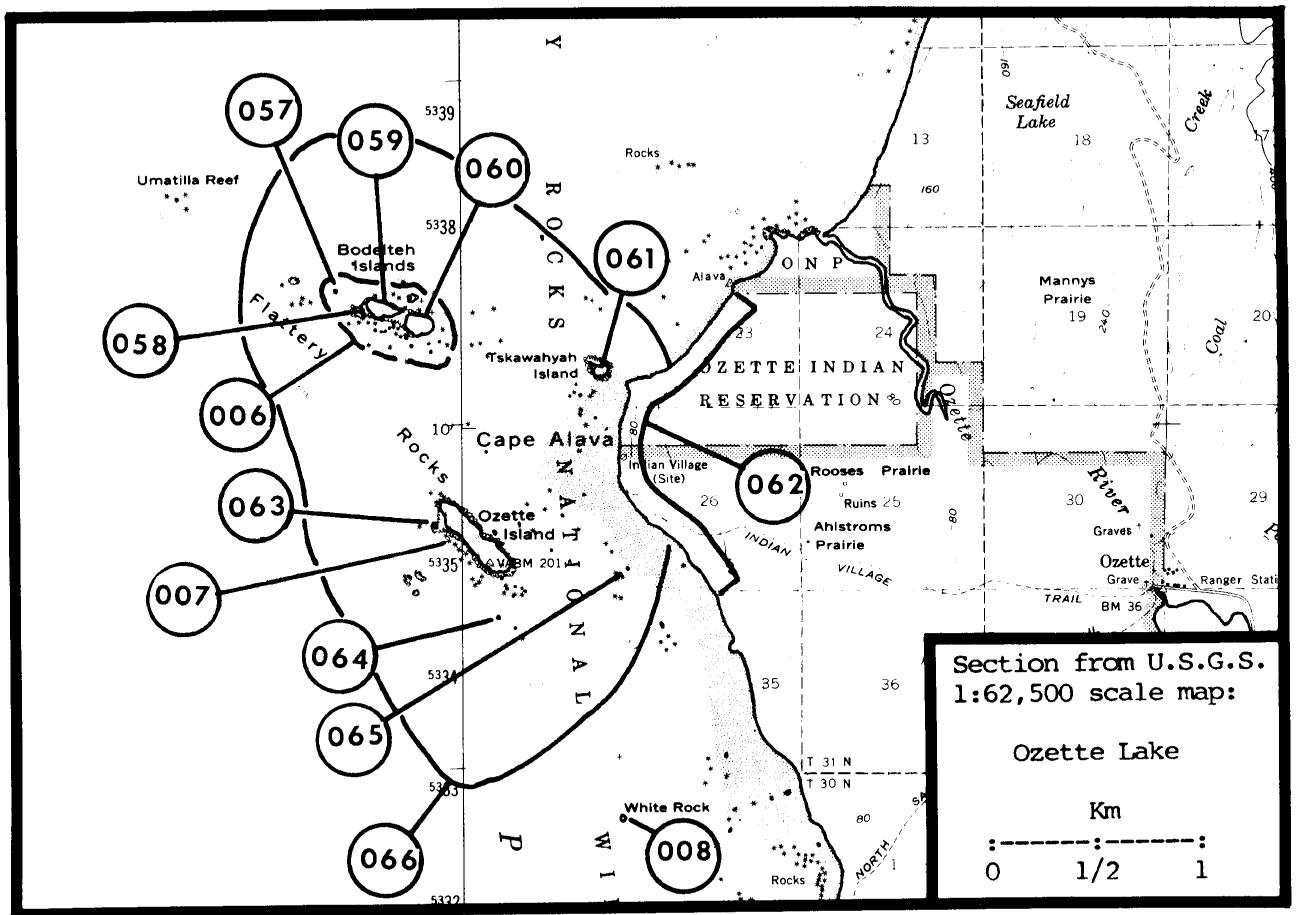
"Unnamed Rock"  $48^{\circ}09'14"N, 124^{\circ}43'50"W$ 

Pelagic Cormorant	60	Pitman	06/30/78	B II 217
Black Oystercatcher	1	Pitman	06/30/78	B III 217
Glaucous-winged Gull	25	Pitman	06/30/78	B III 217
Pigeon Guillemot	17?	Pitman	06/30/78	B III 217
Tufted Puffin	60	Pitman	06/30/78	B III 217
Total	163			

(066)

Flattery Rocks  $48^{\circ}10'00"N, 124^{\circ}46'00"W$ 

Brandt's Cormorant	100	Cantwell	08/04/15	L III 52
Glaucous-winged Gull	X	Cantwell	08/04/15	L III 52
Common Murre	P	Howeattle	06/20/14	L III 146
Cassin's Auklet	500	Howeattle	06/25/14	L III 146



## AREA 155, Cape Flattery (cont'd.)

(067)

Hand Rock 48°01'55"N, 124°43'00"W

No Nesting Observed	0	Pitman	06/30/78	B III 217
Leach's Storm-Petrel	3000	Cantwell	?/ ?/16	L III 52
Leach's Storm-Petrel	X	Jewett et al. 1953	07/24/17	L III 158
Tufted Puffin	5000	Cantwell	?/ ?/14-15	L III 52

(068)

"Foot Rock" 48°01'55"N, 124°42'06"W

Black Oystercatcher	2	Pitman	06/30/78	B III 217
Glaucous-winged Gull	2?	Pitman	06/30/78	B III 217
Total	4			

(069)

"Norwegian Creek" (mainland shore area) 48°02'00"N, 124°41'00"W

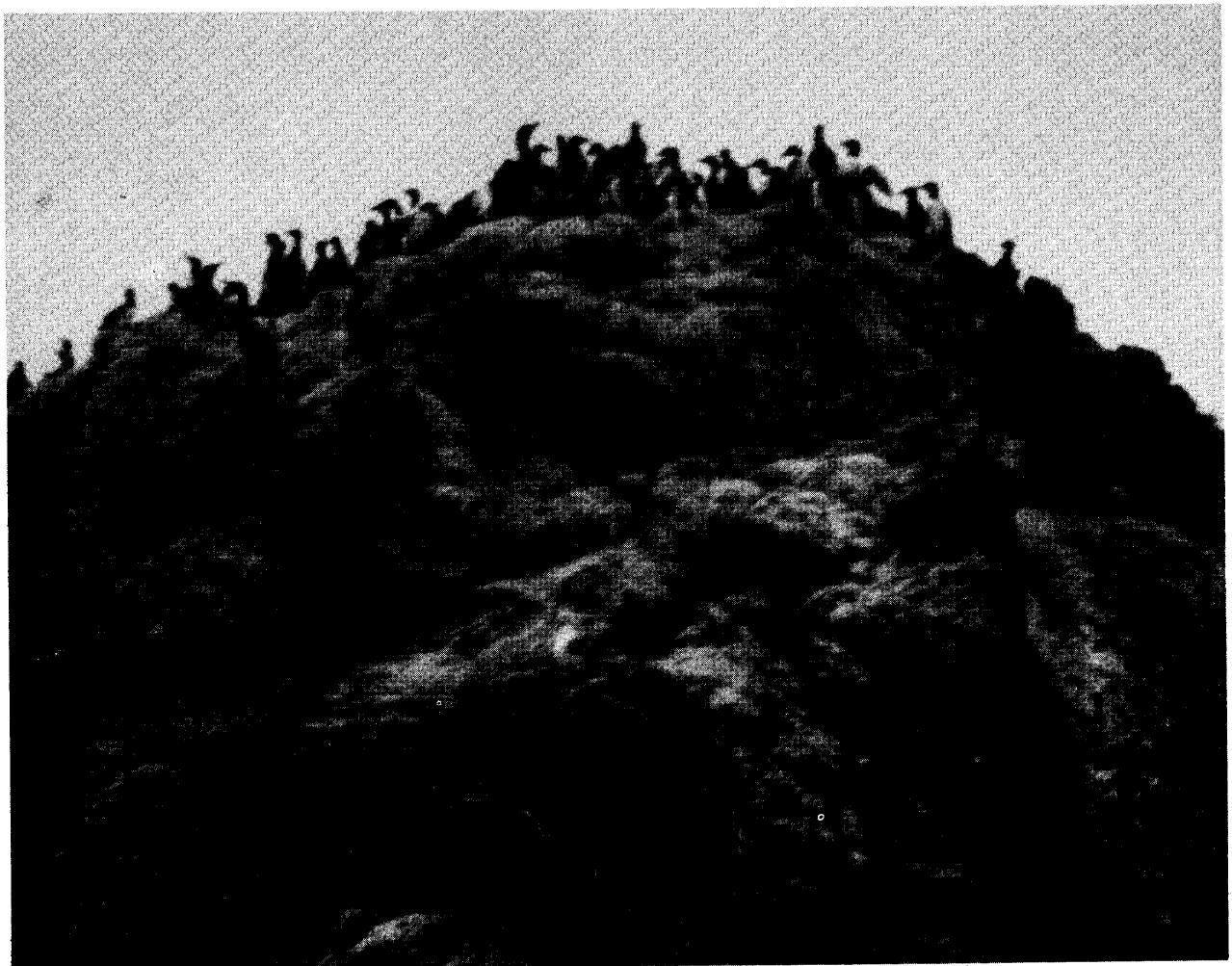
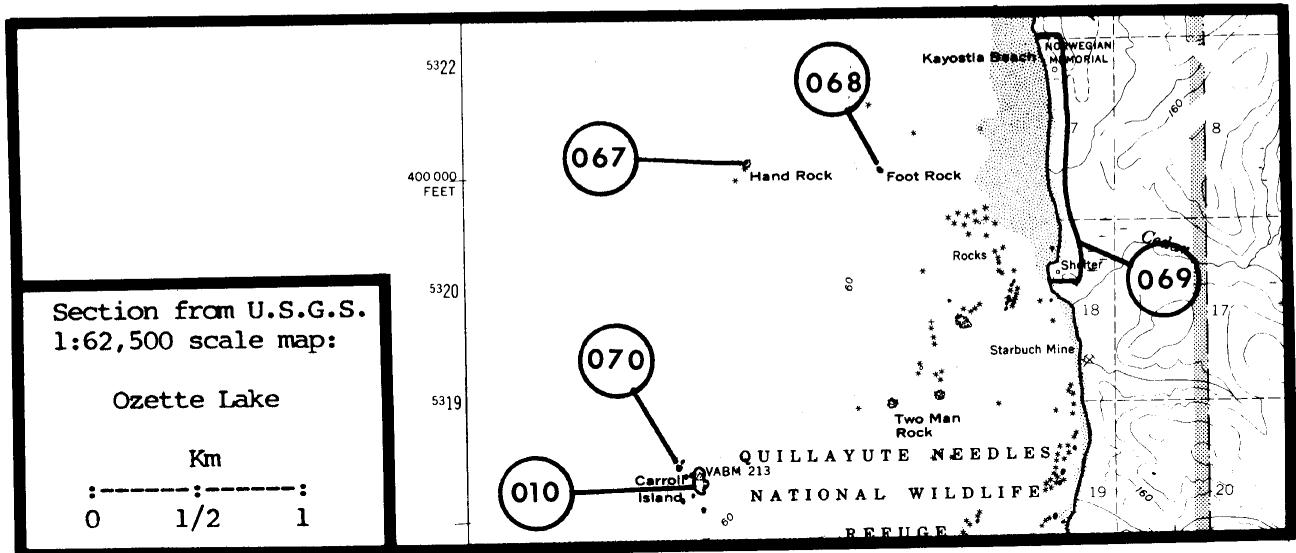
Black Oystercatcher	13	Blau	07/24/74	L III 29
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(070)

"Paahwoke-it" 48°00'25"N, 124°43'27"W

Brandt's Cormorant	12	Speich	06/27/79	B I 255
Pelagic Cormorant	200	Speich	06/27/79	B I 255
Pigeon Guillemot	5	Speich	06/27/79	B III 255
Total	217			

Double-crested Cormorant	X	Speich	06/27/78	M III 255
Brandt's Cormorant	60	Dawson 1908	06-07/ ?/06-07	M III 66
Brandt's Cormorant	X	Jones 1909	06/ ?/07	M III 164
Brandt's Cormorant	10	Pitman	06/04/79	M II 217
Pelagic Cormorant	150	Dawson 1908	06-07/ ?/06-07	M III 66
Pelagic Cormorant	22	Speich	06/08/78	M III 255
Pelagic Cormorant	30	Speich	06/27/78	M III 255
Glaucous-winged Gull	10	Dawson 1908	06-07/ ?/06-07	M III 66
Glaucous-winged Gull	4?	Speich	06/27/78	M III 255
Common Murre	200	Dawson 1908	06-07/ ?/06-07	M III 66
Common Murre	X	Cantwell	07/24/17	M III 52
Common Murre	10	Speich	06/27/78	M III 255

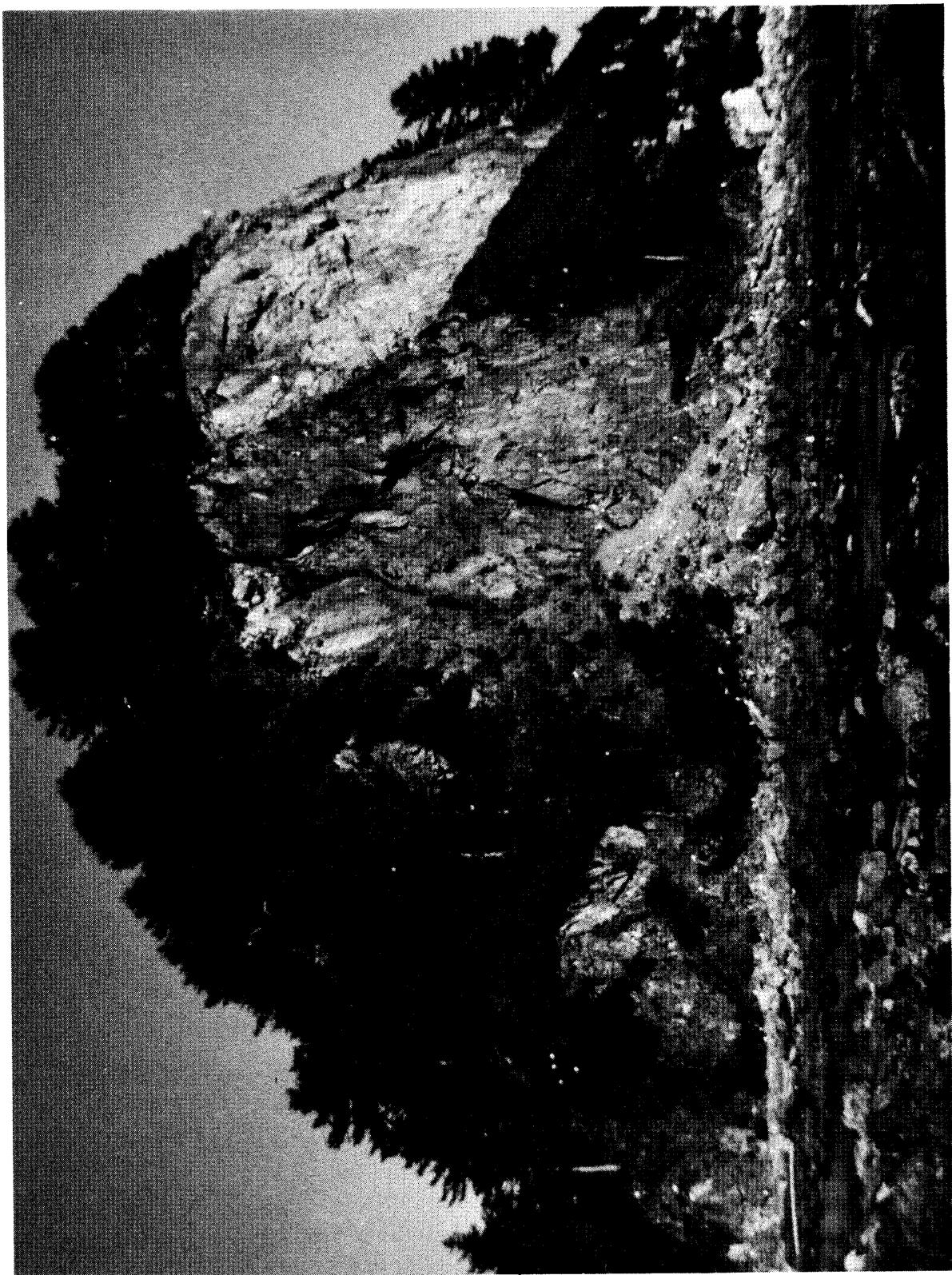


"Paahwoke-it" (155070) 27 June 1979 S.M. Speich

AREA 155, Cape Flattery (cont'd.)



Bodelteh Island, middle (155059), left; Bodelteh Island, east (155060) 19 November 1979 S.M. Speich



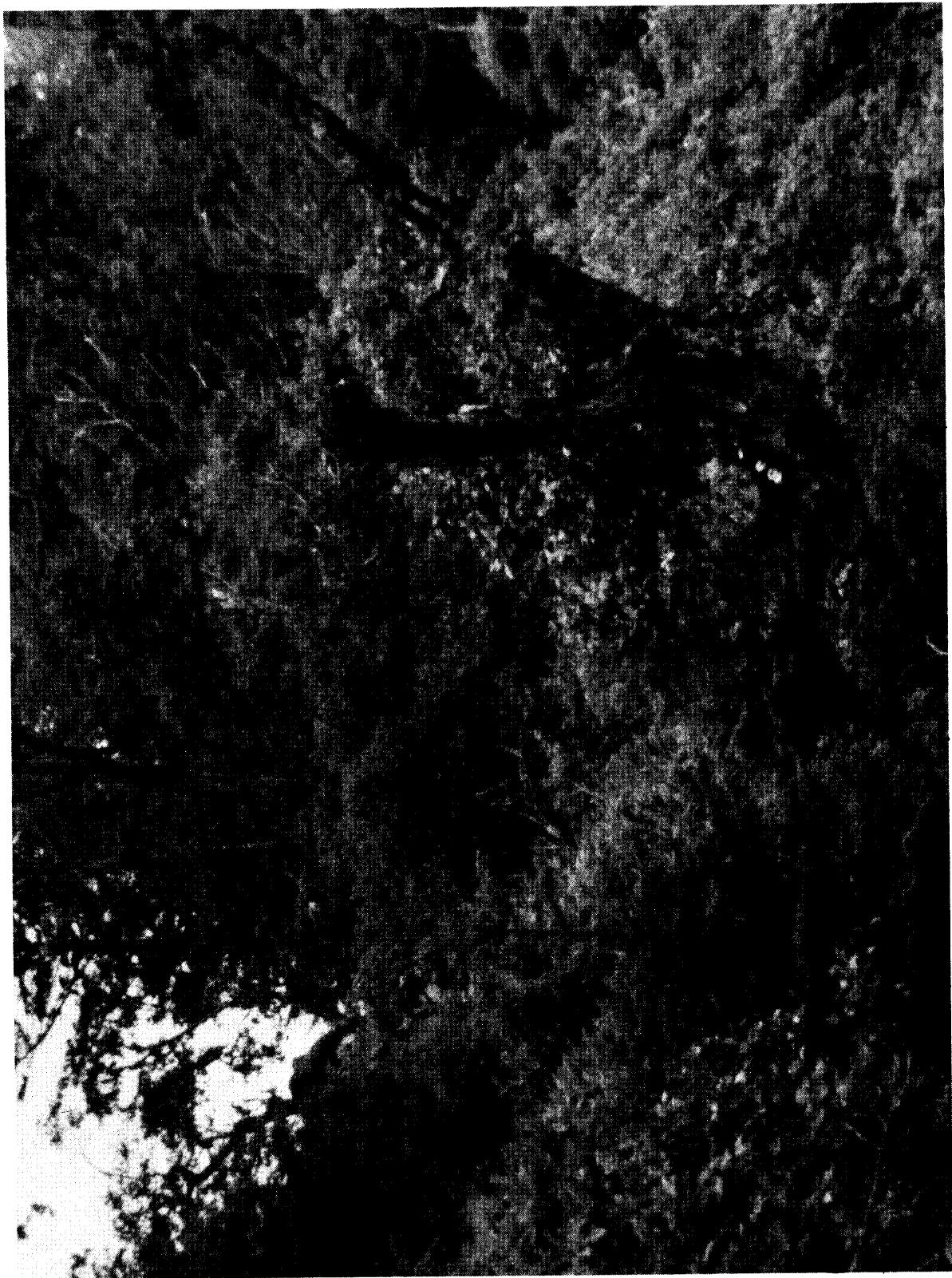
Bodelteh Island, east (155060) 28 June 1978 S.M. Speich

AREA 155, Cape Flattery (cont'd.)

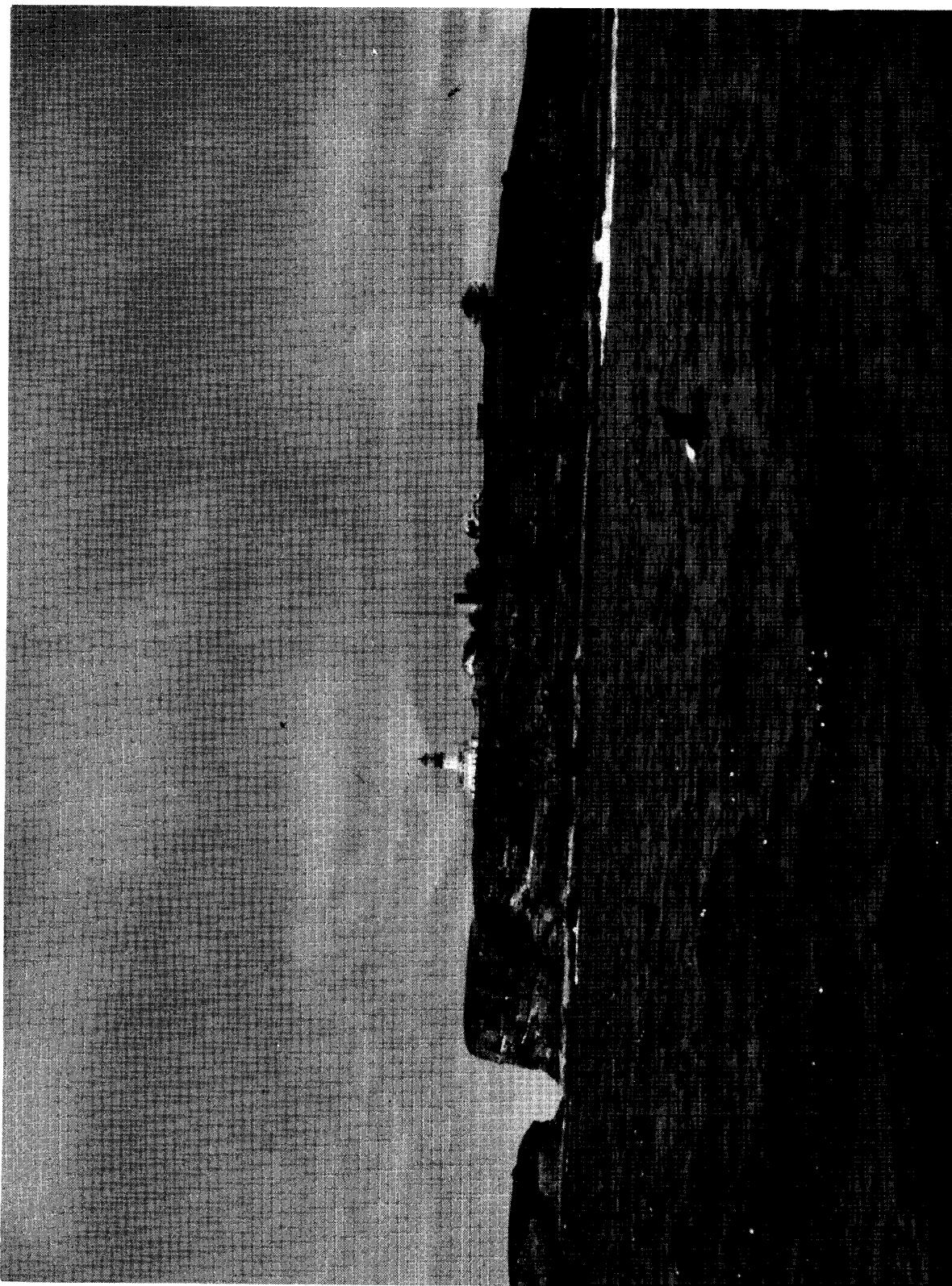


Point of the Arches (155004) 19 November 1979 S.M. Speich

Ozette Island (155007) 1979 S.M. Speich



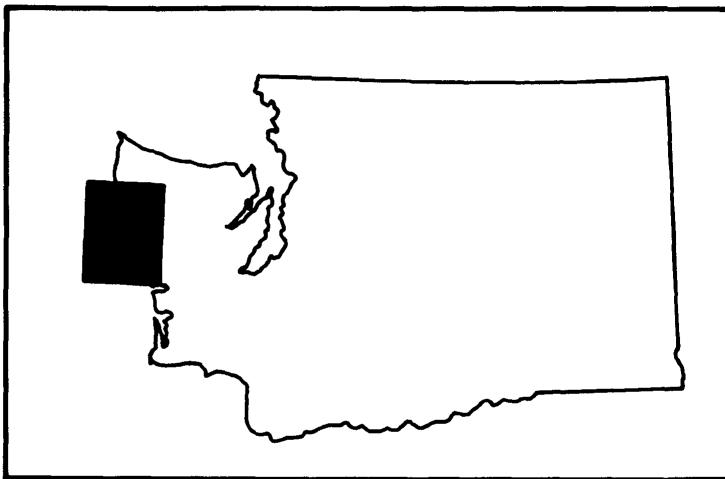
AREA 155, Cape Flattery (cont'd )



Tatoosh Island (155001) June 1978 R.L. Pitman



Tatoosh Island (155001) June 1978 R.L. Pitman



174

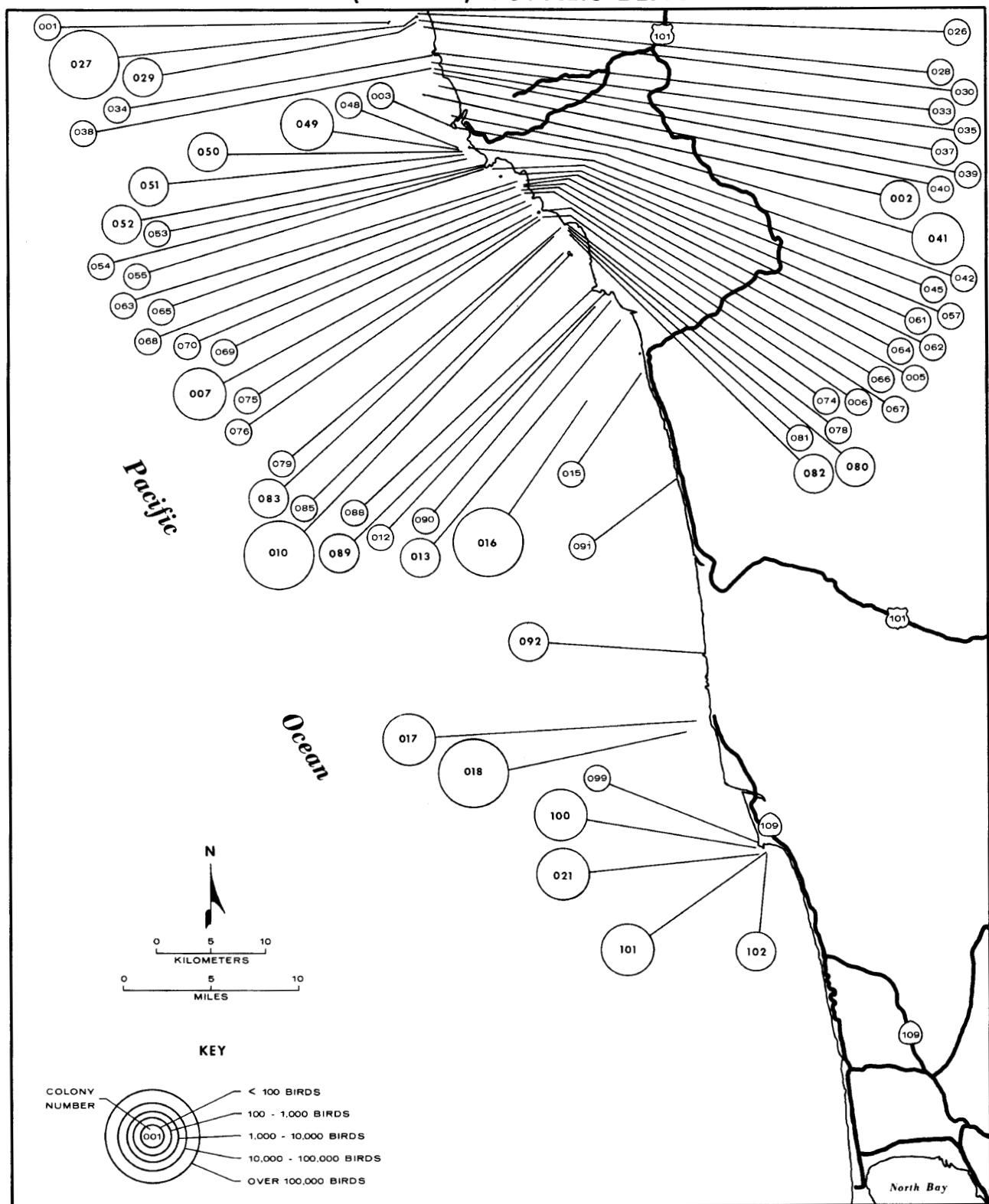
**Copalis Beach  
(North)**

The map on the facing page is an index to the location of colonies within map 174, Copalis Beach, North. Note that all colonies on the map are not numbered consecutively from north to south, since many previously unreported sites have been added since initial colony numbers were assigned by Varoujean (1979). On the pages following this map, all colonies are listed sequentially and a detailed map of each is provided.

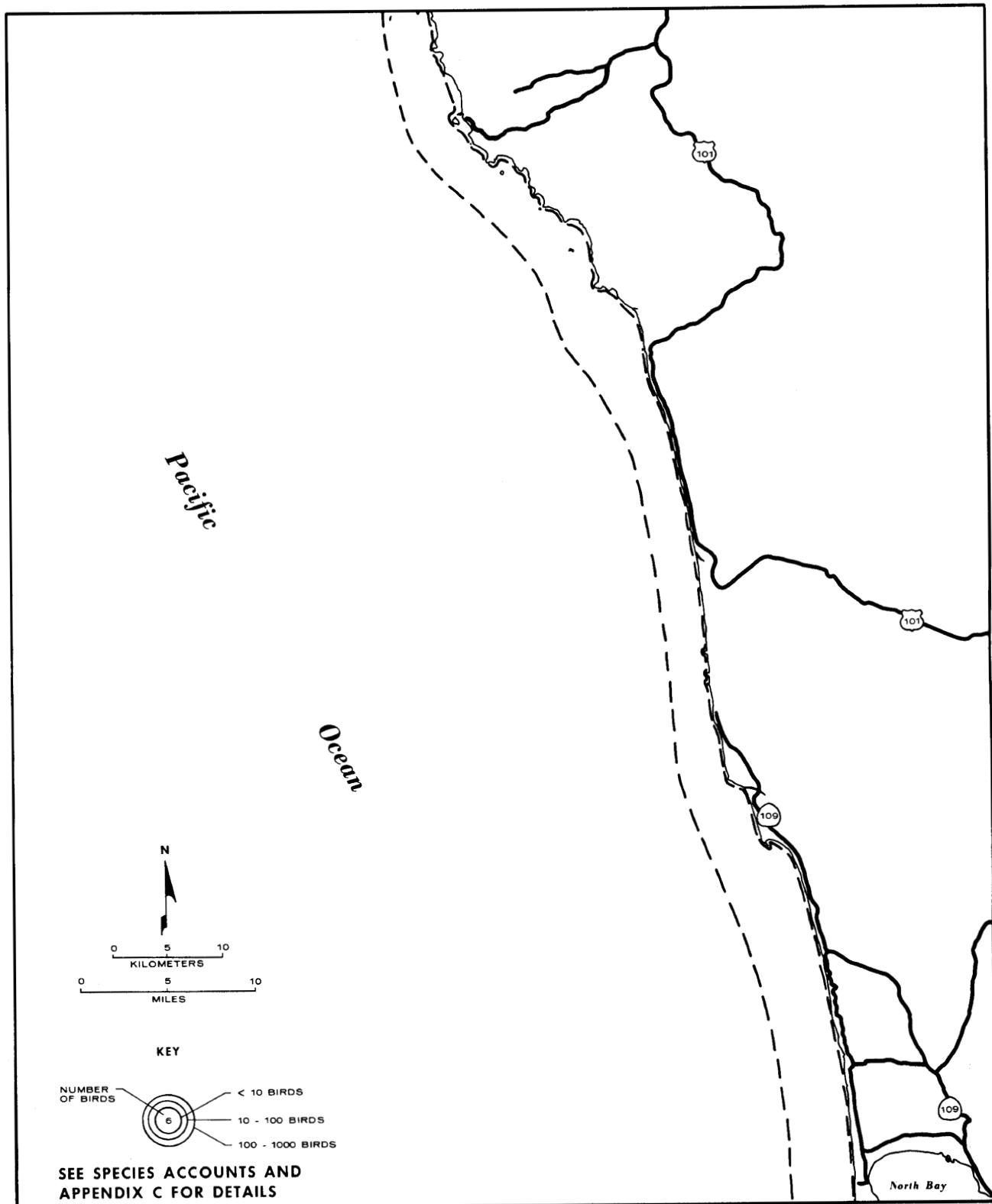
Numbers of breeding seabirds will vary from year to year. Below are the approximate numbers of breeding seabirds within this region.

Fork-tailed Storm-Petrel	200
Leach's Storm-Petrel	25,000
Double-crested Cormorant	1,100
Brandt's Cormorant	450
Pelagic Cormorant	1,500
American Black Oystercatcher	160
Glaucous-winged and Western gulls	3,900
Common Murre	30,000
Pigeon Guillemot	280
Marbled Murrelet	no estimate
Cassin's Auklet	64,000
Rhinoceros Auklet	24,000
Tufted Puffin	15,000

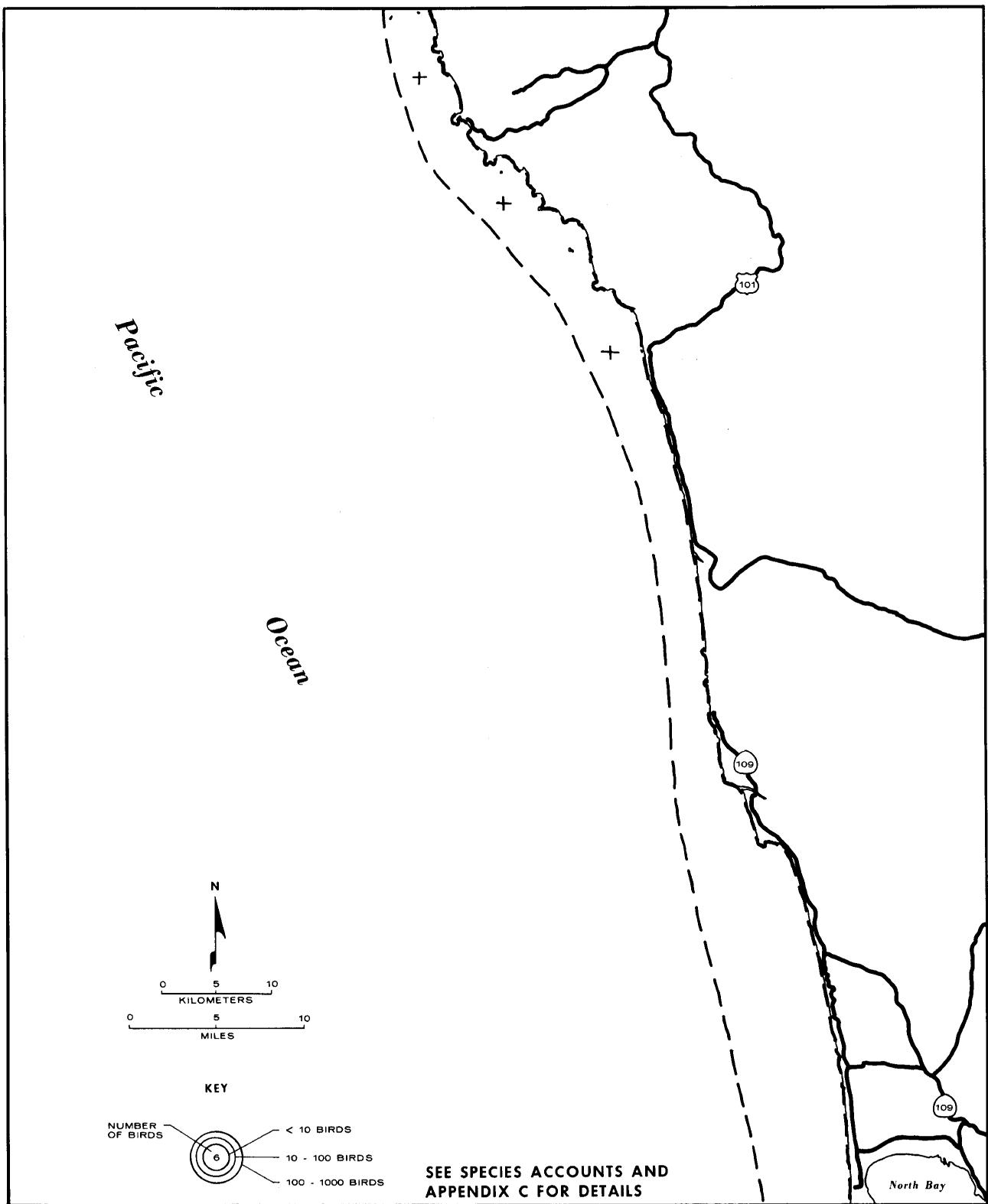
## 174 (NORTH) COPALIS BEACH



Relative distribution for Pigeon Guillemots in map area 174 (North) Copalis Beach.



Relative distribution for Marbled Murrelets in map area 174 (North) Copalis Beach.



AREA 174, Copalis Beach, North (cont'd.)

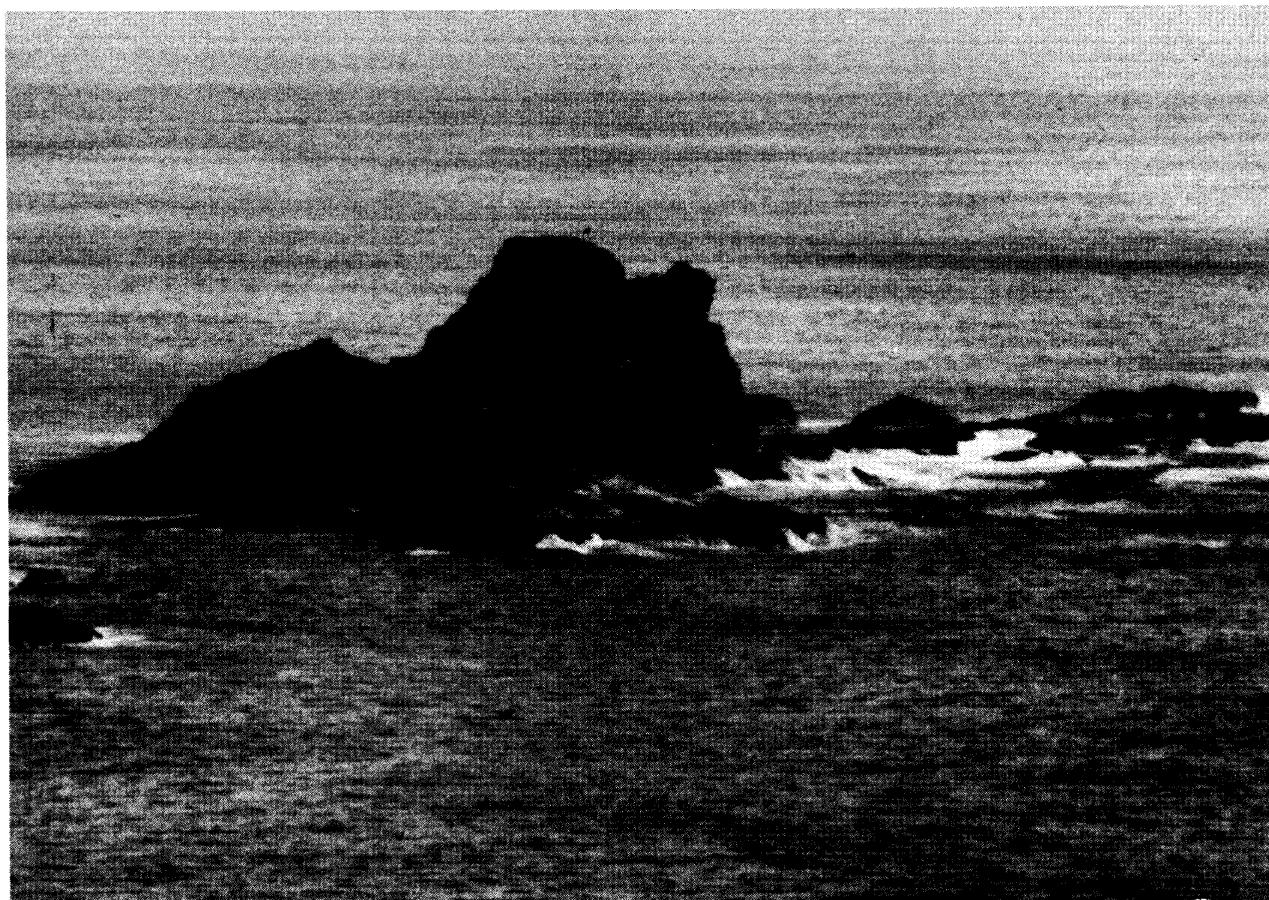
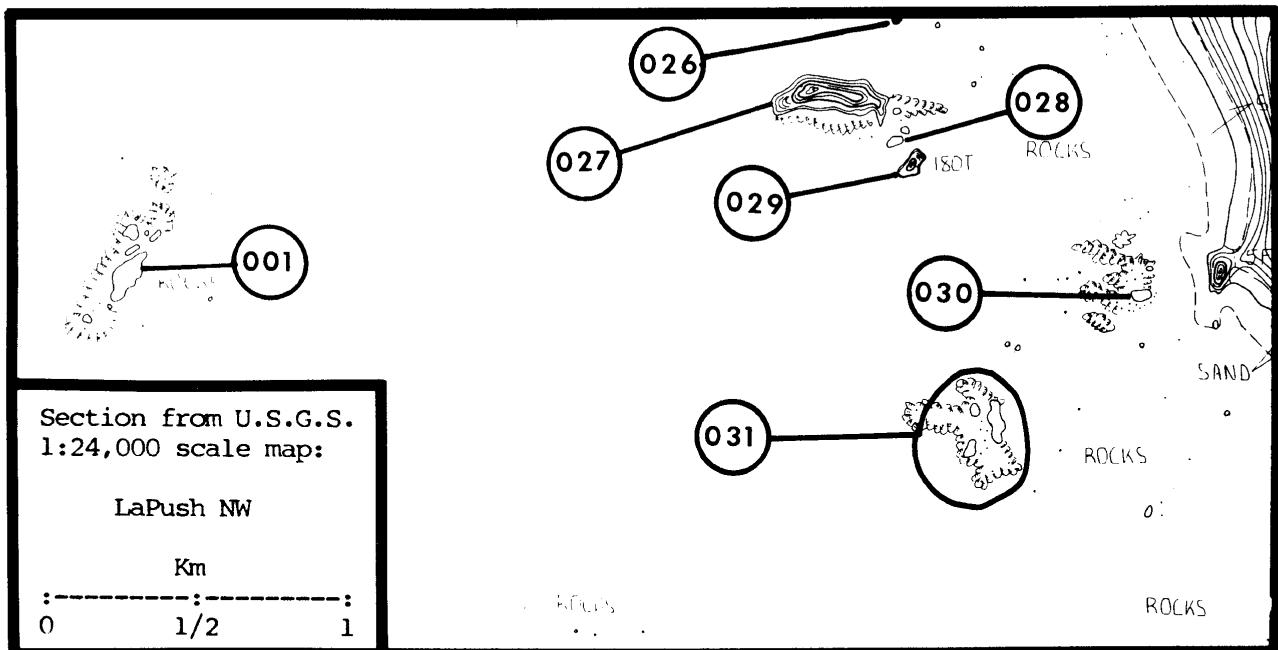
SITE NUMBER	COLONY NAME	LAT.-LONG.				
191	PORT WILLIAMS	48° 07' 00", 123° 03' 00" W				
<b>PIGEON GUILLEMOT    34    SPEICHI</b>						
SPECIES NAME	NUMBER BREEDING BIRDS	SOURCE	SURVEY DATE	SURVEY TYPE	REFERENCE DATA QUALITY	
PIGEON GUILLEMOT	33	SPEICHI	05/26/78	B III	255	
Box gives the most recent or the best estimates available.						

(001)

Sea Lion Rock (Jagged Islet) 47°59'32"N, 124°43'36"W

Black Oystercatcher	7	Pitman	06/08/78	L III	217
Glaucous-winged Gull	30	Wilson	08/13/81	B III	287
Pigeon Guillemot	2	Wilson	08/13/81	B III	287
Total	39				
Brandt's Cormorant	50	Dawson 1908	06-07/ ?/06/07	? III	66
Black Oystercatcher	6	Dawson 1908	06-07/ ?/06-07	? III	66
Black Oystercatcher	X	Cantwell <sup>1</sup>	05/29/15	L III	52
Glaucous-winged Gull	200	Dawson 1908	06-07/ ?/06-07	? III	66
Glaucous-winged Gull	44	Pitman	06/08/78	L I	217
Common Murre	6	Dawson 1908	06-07/ ?/06-07	? III	66
Pigeon Guillemot	2	Hancock	08/04/67	B III	122

<sup>1</sup>Location not definite.



Sea Lion Rock (174001) 8 June 1978 R.L. Pitman

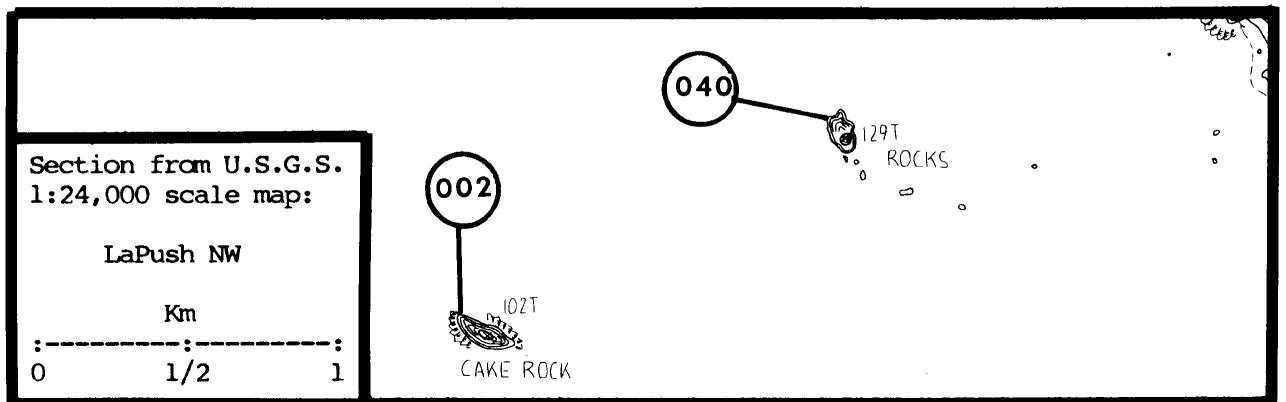
## AREA 174, Copalis Beach, North (cont'd.)

(002)

Cake Rock (Chah-chah-lakh-hoos-set) 47°55'58"N, 124°41'02"W

Pelagic Cormorant	84	Wilson	08/13/81	B II	287
Black Oystercatcher	10	Speich	07/22/78	B III	255
Glaucous-winged Gull	400	Speich	06/08/78	B III	255
Pigeon Guillemot	39	Speich	07/22/78	B III	255
Tufted Puffin	500-1000	Pitman	06/30/78	B III	217
Total	949-1449				

Double-crested Cormorant	N	Hancock	08/04/67	B III	122
Double-crested Cormorant	N	Speich	07/22/78	B III	255
Brandt's Cormorant	N	Speich	07/22/78	B III	255
Pelagic Cormorant	100	Dawson 1908	06-07/ ?/06-07	B III	66
Pelagic Cormorant	230	Hancock	08/04/67	B III	122
Pelagic Cormorant	168	Speich	06/08/78	B I	255
Pelagic Cormorant	252	Speich	07/22/78	B I	255
Black Oystercatcher	2	Dawson 1908	06-07/ ?/06-07	B III	66
Black Oystercatcher	2	Hancock	08/04/67	B III	122
Black Oystercatcher	1	Speich	06/08/78	B III	255
Glaucous-winged Gull	1000	Dawson 1908	06-07/ ?/06-07	B III	66
Glaucous-winged Gull	200	Hancock	08/04/78	B III	122
Glaucous-winged Gull	310	Speich	07/22/78	B III	255
Glaucous-winged Gull	200	Wilson	08/13/81	B III	287
Common Murre	50?	Kenyon & Scheffer 1962			
			07/13/59	B III	167
Common Murre	30	Hancock	08/04/67	B III	122
Common Murre	N	Speich	07/22/78	B III	255
Pigeon Guillemot	6	Hancock	08/04/67	B III	122
Pigeon Guillemot	18	Speich	06/08/78	B III	255
Pigeon Guillemot	7	Pitman	06/30/78	B III	217
Pigeon Guillemot	4	Wilson	08/13/81	B III	287
Tufted Puffin	500	Dawson 1908	06-07/ ?/06-07	B III	66
Tufted Puffin	30	Kenyon & Scheffer 1962			
			07/13/59	B III	167
Tufted Puffin	X	Hancock	08/04/67	B III	122
Tufted Puffin	X	Cody 1973	?/ ?/68-69	B III	60
Tufted Puffin	1000	Speich	06/08/78	B III	255
Tufted Puffin	480+	Speich	07/22/78	B III	255
Tufted Puffin	70	Wilson	08/13/81	B III	287



Cake (174002) 22 July 1978 S.M. Speich

AREA 174, Copalis Beach, North (cont'd.)

(003)

James Island 47°54'22"N, 124°38'50"W

Black Oystercatcher	2-4	Nysewander	06/16/74	B III 205
Pigeon Guillemot	P	Speich	06/12/79	B III 255
Total	<u>2-4</u>			

No Nesting Observed	0	Speich	06/08/78	B III 255
Pelagic Cormorant	X	Dawson 1908	06-07/ ?/06-07	B III 66
Pelagic Cormorant	X	Eddy	07/25/54	B III 95
Pelagic Cormorant	?	Nysewander	06/16/74	B III 205
Pigeon Guillemot	P	Hancock	08/04/67	B III 122
Tufted Puffin	?	Hancock	08/04/67	B III 122
Tufted Puffin	X	Chappell	07/ ?/75	? III 58

(004)

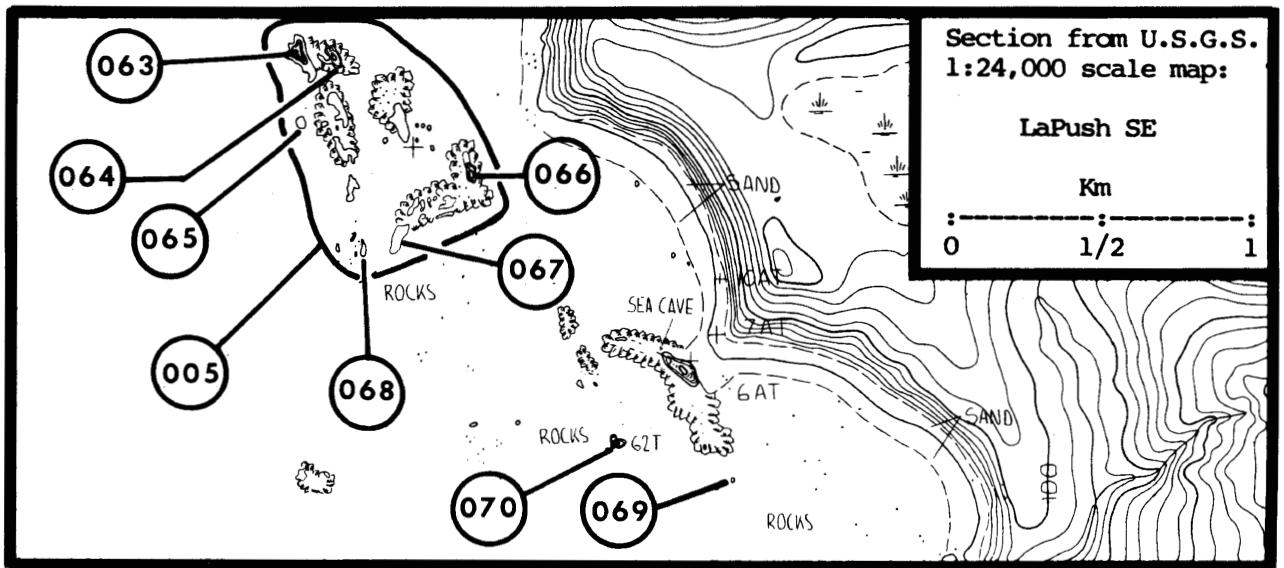
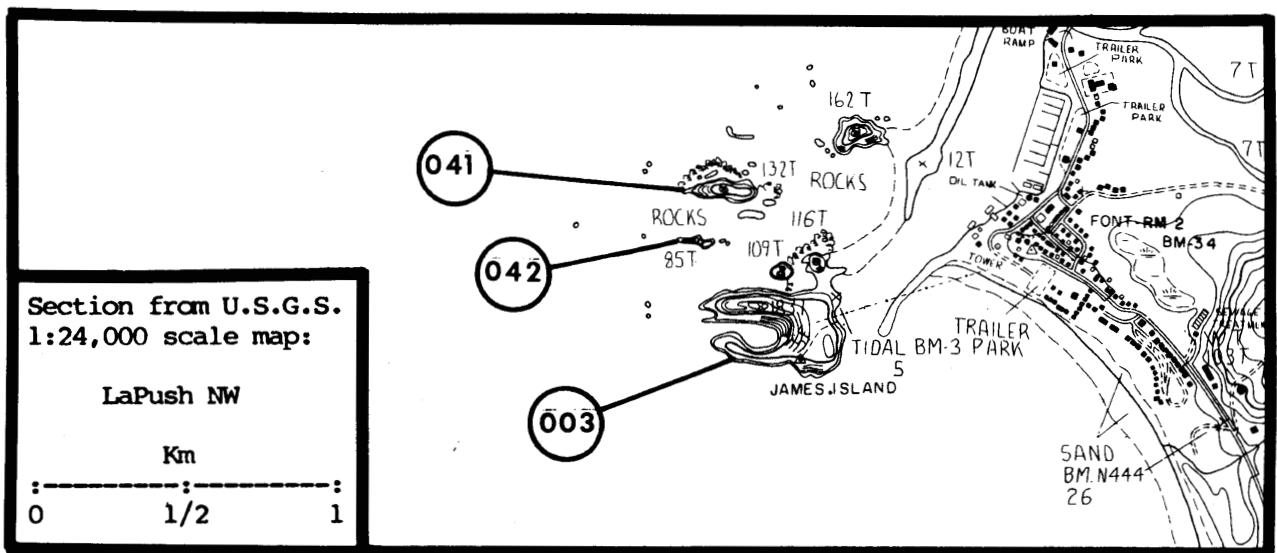
Quillayute Needle<sup>1</sup>

<sup>1</sup>The previous assignment of "Quillayute Needle" (174004) by Varoujean (1979) was inaccurate. Data for the Quillayute Needle site are found listed under (174052). Other sites in the Quillayute Needles are found under numbers 174043 and 174047 through 174051.

(005)

Giant's Graveyard, complex 47°51'15"N, 124°34'00"W

Black Oystercatcher	2	Speich	06/16/78	B III 255
Pigeon Guillemot	2	Wilson	06/16/81	B III 287
Black Oystercatcher	5	Hoffman	06/14/74	B III 139
Black Oystercatcher	1	Speich	06/01/78	B III 255
Glaucous-winged Gull	P	Hoffman	06/14/74	B III 139



AREA 174, Copalis Beach, North (cont'd.)

(006) Toleak Point, nearshore rocks and mainland 47°50'08"N, 124°32'20"W

Black Oystercatcher 2 Nysewander 1977 06/14/74 B III 204

(007) Rounded Island 47°49'55"N, 124°33'13"W

Double-crested Cormorant	120	Wilson	07/17/82	A III 287
Pelagic Cormorant	56	Wilson	06/16/81	B II 287
Black Oystercatcher	4	Speich	06/01/78	B III 255
Glaucous-winged Gull	400	Speich	06/01/78	B III 255
Common Murre	2180	Wilson	07/17/82	A III 287
Pigeon Guillemot	2	Speich	06/01/78	B III 255
Tufted Puffin	150	Speich	06/01/78	B III 255
Total	2912			

Double-crested Cormorant	X	Hoffman	06/14/74	B III 139
Double-crested Cormorant	260+	Speich	06/01/78	B III 255
Double-crested Cormorant	400	Speich	06/02/78	B II 255
Double-crested Cormorant	78	Wilson	06/16/81	B II 287
Pelagic Cormorant	200	Dawson 1908	06-07/ ?/06-07	B III 66
Pelagic Cormorant	70	Speich	06/01/78	B II 255
Pelagic Cormorant	64	Speich	06/02/78	B II 255
Black Oystercatcher	2	Dawson 1908	06-07/ ?/06-07	B III 66
Glaucous-winged Gull	100	Dawson 1908	06-07/ ?/06-07	B III 66
Glaucous-winged Gull	150?	Nysewander	06/14/74	B III 205
Glaucous-winged Gull	150	Hoffman	06/14/74	B III 139
Glaucous-winged Gull	X	Speich	06/02/78	B III 255
Glaucous-winged Gull	170	Wilson	06/16/81	B III 287
Glaucous-winged Gull	130	Wilson	07/17/82	A III 287
Common Murre	1000	Nysewander	06/14/74	B III 205
Common Murre	1000	Hoffmann	06/14/74	B III 205
Common Murre	1000	Speich	06/01/78	B III 255
Common Murre	400	Speich	06/02/78	B III 255
Common Murre	2130	Wilson 1980	06/05/79	A III 286
Common Murre	3435	Wilson 1980	07/02/80	A III 286
Common Murre	800	Wilson	06/16/81	B III 287
Pigeon Guillemot	2	Speich	06/02/78	B III 255
Tufted Puffin	500	Dawson 1908	06-07/ ?/06-07	B III 66
Tufted Puffin	?	Nysewander	06/14/74	B III 205
Tufted Puffin	20	Wilson	06/16/81	B III 287

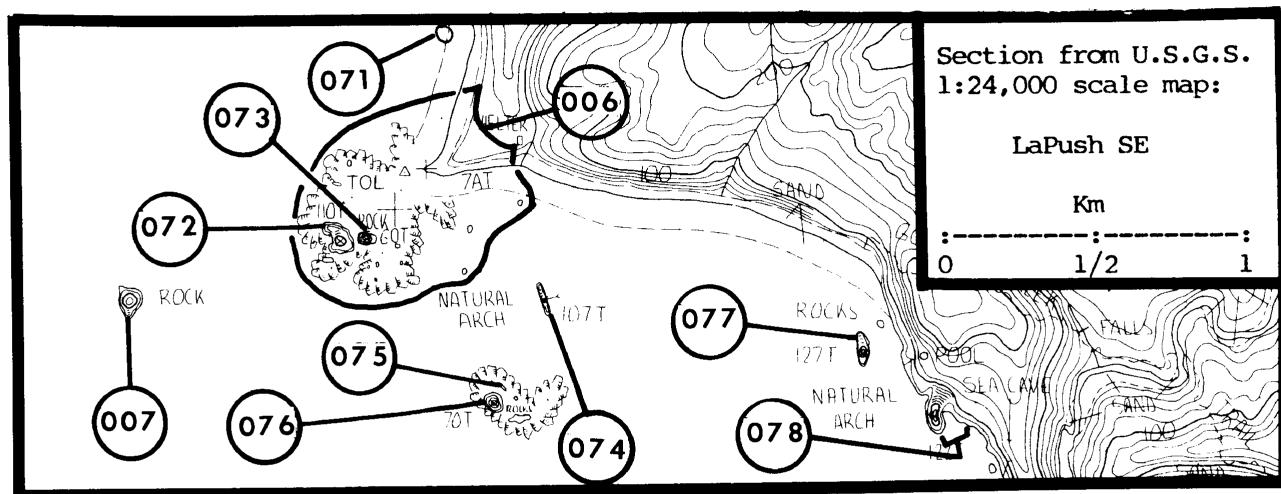
(008) "South Round Island"<sup>1</sup>

<sup>1</sup>Field descriptions are inadequate to determine the location of this site. This number was assigned by Varoujean (1979).

009

"Half Round Island"<sup>1</sup>

<sup>1</sup>Field descriptions are inadequate to determine the location of this site. This number was assigned by Varoujean (1979).



Cake (174002) 19 November 1979 S.M. Speich

## AREA 174, Copalis Beach, North (cont'd.)

(010)

Alexander Island    47°47'52"N, 124°30'16"W

Fork-tailed Storm-Petrel	200	Pitman	06/01-02/78	L III	217
Leach's Storm-Petrel	2000	Pitman	06/01-02/78	L III	217
Double-crested Cormorant	230	Wilson	06/16/81	B I	287
Pelagic Cormorant	6	Speich	06/01-02/78	L I	255
Black Oystercatcher	12	Speich	06/01-02/78	L III	255
Glaucous-winged Gull	360	Speich	06/01-02/78	L III	255
Pigeon Guillemot	60	Speich	06/01-02/78	L III	255
Cassin's Auklet	54600	Speich	07/12/78	L III	255
Rhinoceros Auklet	200	Speich	06/01-02/78	L III	255
Tufted Puffin	4000	Speich	07/12/78	L III	255
Total	61668				

Fork-tailed Storm-Petrel	100's	Speich	06/01-02/78	L III	255
Leach's Storm-Petrel					
1000-10000	Dawson	1908	06-07/ ?/06-07	L III	66
Leach's Storm-Petrel	X	Jones 1908	06/ ?/07	L III	162
Leach's Storm-Petrel	2000	Cantwell	?/ ?/14	? III	52
Leach's Storm-Petrel	100-1000's	Speich	06/01-02/78	L III	255
Double-crested Cormorant	X	Cantwell	08/19/14	? III	52
Double-crested Cormorant	8	Nysewander	06/14/74	B III	205
Double-crested Cormorant	N	Pitman	06/01-02/78	L III	217
Double-crested Cormorant	N	Speich	07/12/78	L III	255
Double-crested Cormorant	14	Speich	06/12/79	B I	255
Brandt's Cormorant	?	Cantwell	08/19/14	? III	52
Pelagic Cormorant	300	Dawson 1908	06-07/ ?/06-07	L III	66
Pelagic Cormorant	?	Cantwell	08/19/14	? III	52
Pelagic Cormorant	6	Pitman	06/01-02/78	L I	217
Black Oystercatcher	12	Dawson 1908	06-07/ ?/06-07	L III	66
Black Oystercatcher	4	Hoffman	06/14/74	B III	139
Black Oystercatcher	4	Nysewander	06/14/74	B III	205
Black Oystercatcher	12	Pitman	06/01-02/78	L III	217
Black Oystercatcher	X	Leschner	06/22/78	B III	178
Glaucous-winged Gull	50	Dawson 1908	06-07/ ?/06-07	L III	66
Glaucous-winged Gull	X	Jones 1908	06/ ?/07	L III	162
Glaucous-winged Gull	400-500	Hoffman	06/14/74	B III	139
Glaucous-winged Gull	350	Nysewander	06/14/74	B III	205
Glaucous-winged Gull	X	Harrington-Tweit	05/20/77	A III	124
Glaucous-winged Gull	270	Pitman	06/01-02/78	L III	217
Common Murre	N	Pitman	06/01-02/78	L III	217
Pigeon Guillemot	2	Harrington-Tweit	05/20/77	A III	124
Pigeon Guillemot	50	Pitman	06/01-02/78	L III	217
Pigeon Guillemot	5	Wilson	06/16/81	B III	287
Cassin's Auklet	1000	Dawson 1908	06-07/ ?/06-07	L III	66
Cassin's Auklet	X	Dawson 1909	06/ ?/07	L III	69
Cassin's Auklet	X	Jones 1908	06/ ?/07	L III	162;163
Cassin's Auklet	X	Cantwell	08/19/14	? III	52
Cassin's Auklet	50000	Pitman	06/01-02/78	L III	217
Cassin's Auklet	>20000	Speich	06/01-02/78	L III	255
Rhinoceros Auklet	100	Pitman	06/01-02/78	L III	217

Tufted Puffin	5000	Dawson 1908	06-07/ ?/06-07	L III	66
Tufted Puffin	X	Jones 1908	06/ ?/07	L III	162
Tufted Puffin	5000	Cantwell	?/ ?/14-15	L III	52
Tufted Puffin	X	Hoffman	06/14/74	B III	139
Tufted Puffin	300-400	Nysewander	06/14/74	B III	205
Tufted Puffin	80	Harrington-Tweit	05/20/77	A III	124
Tufted Puffin	600-1000	Pitman	06/01-02/78	L III	217
Tufted Puffin	400	Speich	06/01-02/78	L III	255
Tufted Puffin	45+	Wilson	06/16/81	B III	287

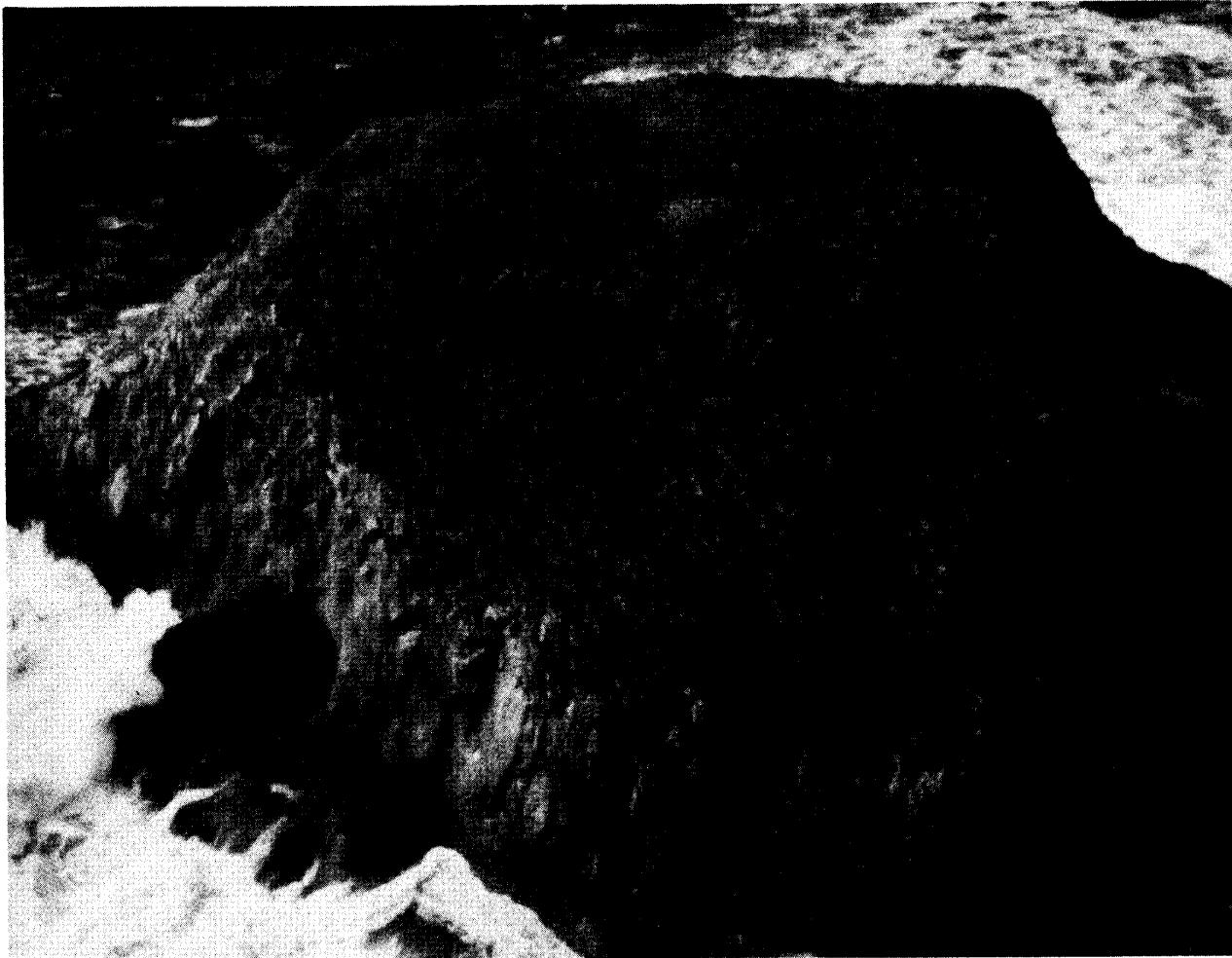
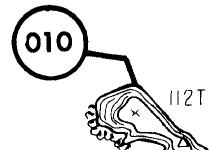
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085



Rounded Island (174007) 19 November 1979 S.M. Speich

AREA 174, Copalis Beach, North (cont'd.)

(011)

Perkins Reef  $47^{\circ}46'28"N, 124^{\circ}30'15"W$

No Nesting Observed	0	Pitman	07/12/78	B III 217
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(012)

North Rock  $47^{\circ}45'00"N, 124^{\circ}28'30"W$

Double-crested Cormorant	18	Wilson	07/17/82	A II 287
Pelagic Cormorant	34	Wilson	07/17/82	A III 287
Pigeon Guillemot	6-8	Pitman	07/12/78	B III 217
Total	<u>58-60</u>			

Double-crested Cormorant	200	Dawson 1908	06-07 / ?/06-07	B III 65
Double-crested Cormorant	23	Nysewander	06/14/74	B III 205
Double-crested Cormorant	116	Pitman	07/12/78	B II 217
Double-crested Cormorant	76	Speich	06/11/79	B II 255
Pelagic Cormorant	200	Dawson 1908	06-07 / ?/06-07	B III 66
Pelagic Cormorant	70	Nysewander	06/14/74	B II 205
Pelagic Cormorant	94	Pitman	07/12/78	B I 217
Pelagic Cormorant	226	Speich	06/11/79	B I 255
Black Oystercatcher	2	Dawson 1908	06-07 / ?/06-07	B III 66
Glaucous-winged Gull	10	Dawson 1908	06-07 / ?/06-07	B III 66
Glaucous-winged Gull	?	Speich	06/11/79	B III 255

(013)

Middle Rock  $47^{\circ}44'54"N, 124^{\circ}26'54"W$

Double-crested Cormorant	N	Speich	06/11/79	B I 255
Pelagic Cormorant	102	Speich	06/11/79	B I 255
Glaucous-winged Gull	?	Speich	06/11/79	B III 255
Total	<u>102</u>			

Double-crested Cormorant	10-15?	Nysewander	06/14/74	B III 205
Pelagic Cormorant	45-60?	Nysewander	06/14/74	B III 205
Pelagic Cormorant	42	Pitman	07/12/78	B I 217
Glaucous-winged Gull	10?	Nysewander	06/14/74	B III 205

Tufted Puffin	5000	Dawson	1908	06-07/ ?/06-07	L III	66
Tufted Puffin	X	Jones	1908	06/ ?/07	L III	162
Tufted Puffin	5000	Cantwell		?/ ?/14-15	L III	52
Tufted Puffin	X	Hoffman		06/14/74	B III	139
Tufted Puffin	300-400	Nysewander		06/14/74	B III	205
Tufted Puffin	80	Harrington-Tweit		05/20/77	A III	124
Tufted Puffin	600-1000	Pitman		06/01-02/78	L III	217
Tufted Puffin	400	Speich		06/01-02/78	L III	255
Tufted Puffin	45+	Wilson		06/16/81	B III	287

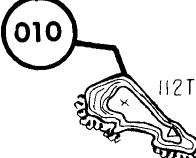
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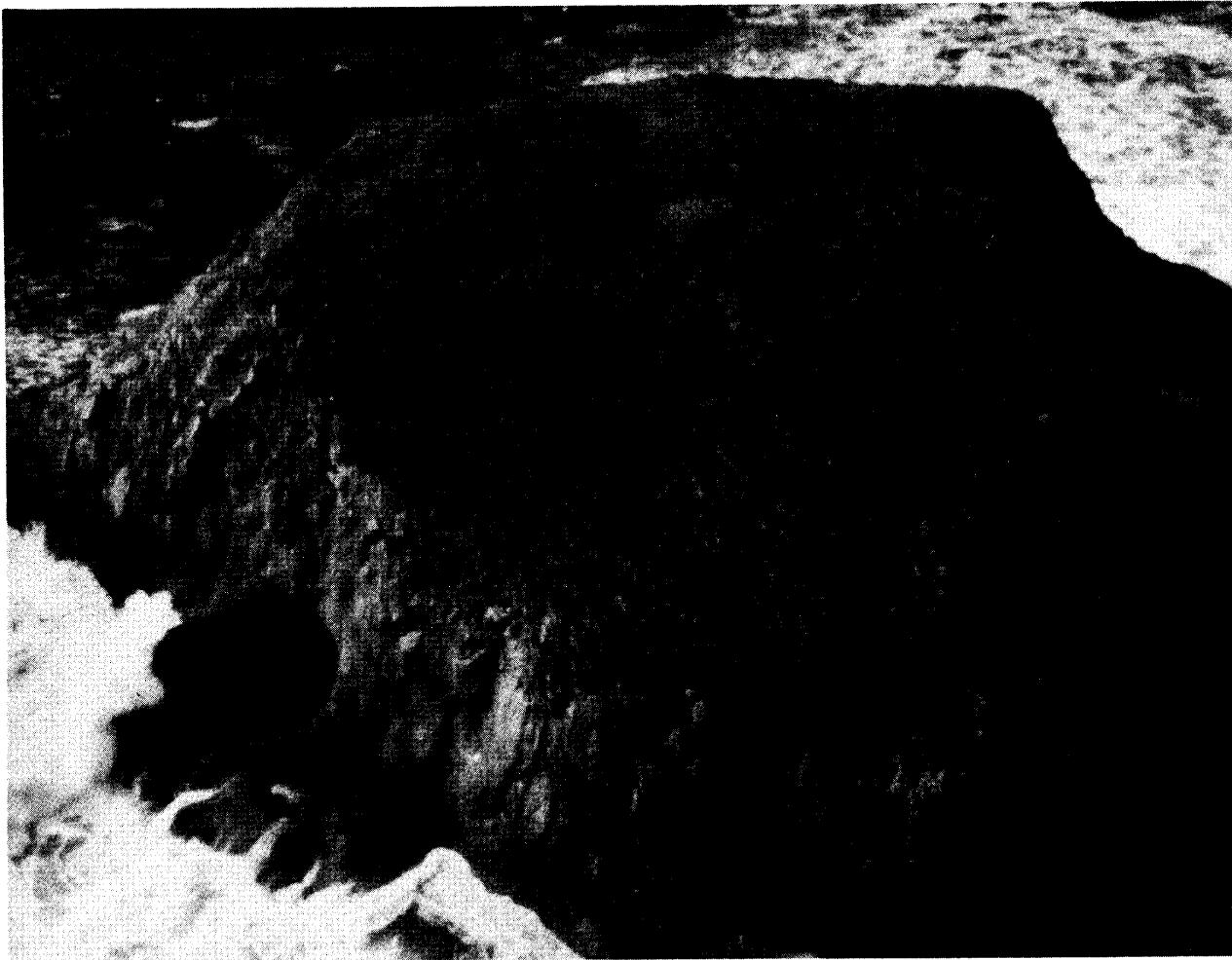
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085



ALEXANDER



Rounded Island (174007) 19 November 1979 S.M. Speich

## AREA 174, Copalis Beach, North (cont'd.)

(011)

Perkins Reef  $47^{\circ}46'28"N, 124^{\circ}30'15"W$ 

No Nesting Observed 0 Pitman 07/12/78 B III 217

(012)

North Rock  $47^{\circ}45'00"N, 124^{\circ}28'30"W$ 

Double-crested Cormorant	18	Wilson	07/17/82	A II 287
Pelagic Cormorant	34	Wilson	07/17/82	A III 287
Pigeon Guillemot	6-8	Pitman	07/12/78	B III 217
Total	<u>58-60</u>			

Double-crested Cormorant	200	Dawson 1908	06-07/ ?/06-07	B III 65
Double-crested Cormorant	23	Nysewander	06/14/74	B III 205
Double-crested Cormorant	116	Pitman	07/12/78	B II 217
Double-crested Cormorant	76	Speich	06/11/79	B II 255
Pelagic Cormorant	200	Dawson 1908	06-07/ ?/06-07	B III 66
Pelagic Cormorant	70	Nysewander	06/14/74	B II 205
Pelagic Cormorant	94	Pitman	07/12/78	B I 217
Pelagic Cormorant	226	Speich	06/11/79	B I 255
Black Oystercatcher	2	Dawson 1908	06-07/ ?/06-07	B III 66
Glaucous-winged Gull	10	Dawson 1908	06-07/ ?/06-07	B III 66
Glaucous-winged Gull	?	Speich	06/11/79	B III 255

(013)

Middle Rock  $47^{\circ}44'54"N, 124^{\circ}26'54"W$ 

Double-crested Cormorant	N	Speich	06/11/79	B I 255
Pelagic Cormorant	102	Speich	06/11/79	B I 255
Glaucous-winged Gull	?	Speich	06/11/79	B III 255
Total	<u>102</u>			

Double-crested Cormorant	10-15?	Nysewander	06/14/74	B III 205
Pelagic Cormorant	45-60?	Nysewander	06/14/74	B III 205
Pelagic Cormorant	42	Pitman	07/12/78	B I 217
Glaucous-winged Gull	10?	Nysewander	06/14/74	B III 205

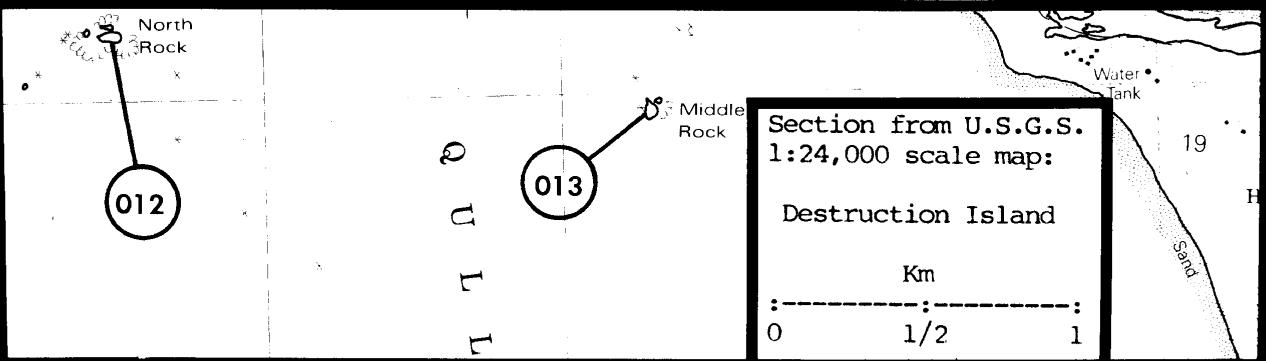
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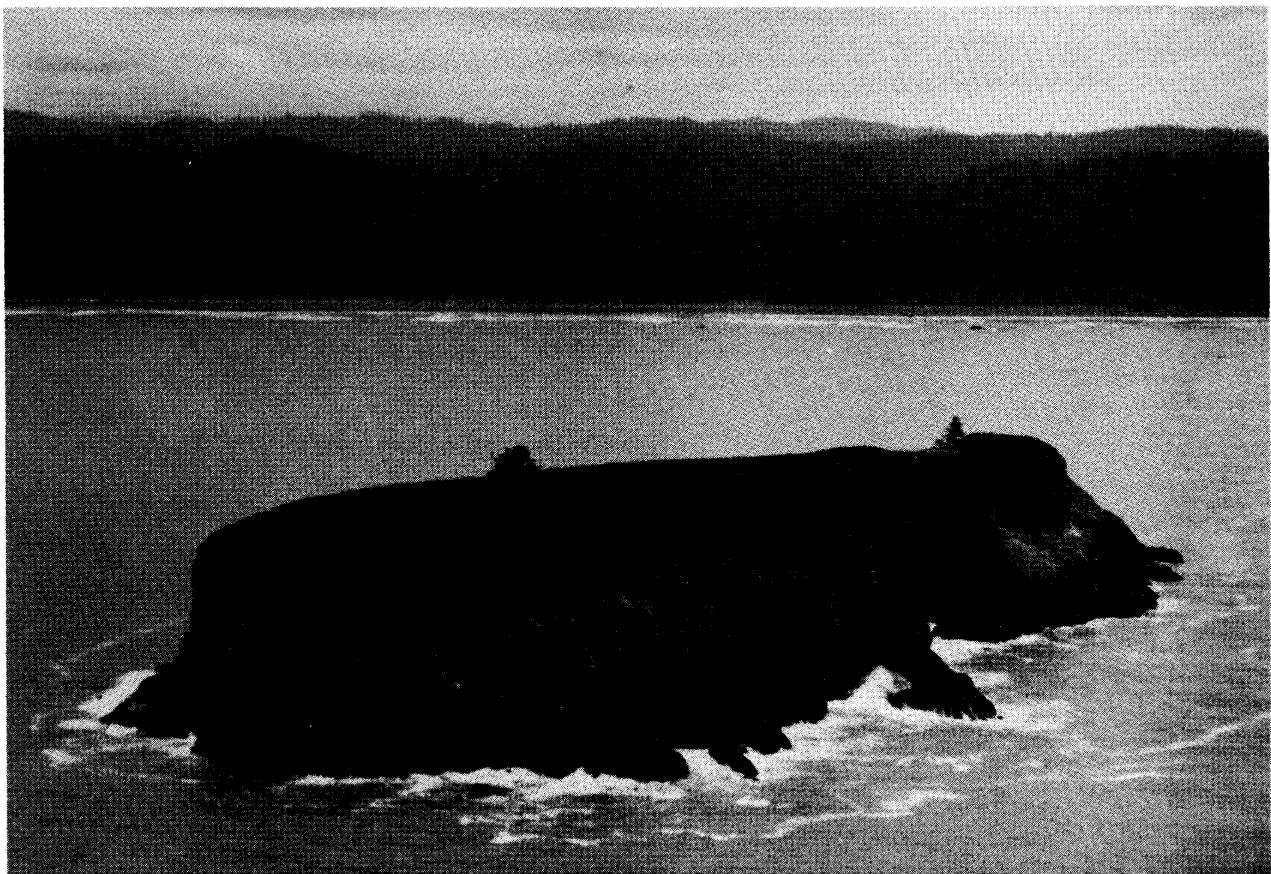


Section from U.S.G.S.  
1:24,000 scale map:

Destruction Island

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Alexander Island (174010) July 1959 V.B. Scheffer

AREA 174, Copalis Beach, North (cont'd.)

(014)

Abbey Island  $47^{\circ}42'58"N$ ,  $124^{\circ}25'10"W$

No Nesting Observed	0	Speich	06/11/79	B III 255
Pelagic Cormorant	26?	Pitman	07/12/78	B III 217

(015)

South Rock  $47^{\circ}41'57"N$ ,  $124^{\circ}25'30"W$

Black Oystercatcher	2?	Pitman	07/12/78	B III 217
Glaucous-winged Gull	4?	Speich	06/11/79	B III 255
Pigeon Guillemot	1?	Speich	06/11/79	B III 255
Total	7?			

Pigeon Guillemot	1?	Pitman	07/12/78	B III 217
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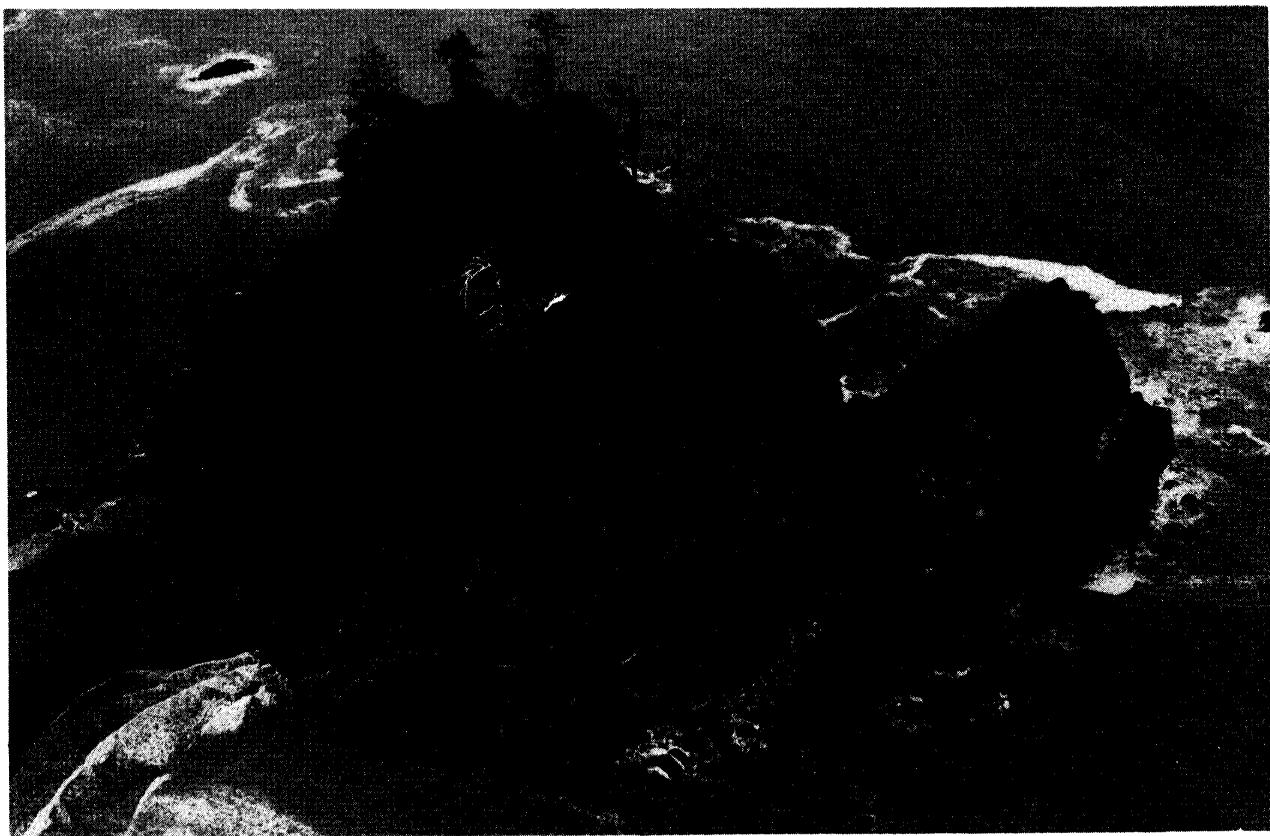
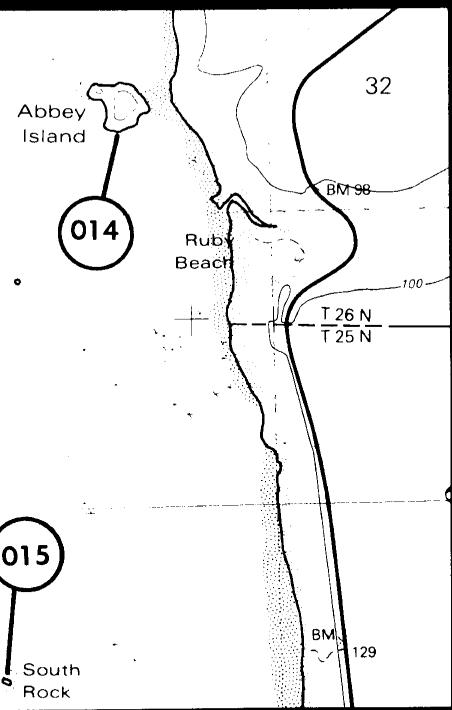
Alexander Island (174010) 15 July 1966 R. Glahn

Section from U.S.G.S.  
1:24,000 scale map:

Destruction Island

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Abbey Rock (174014) 15 July 1966 R. Glahn

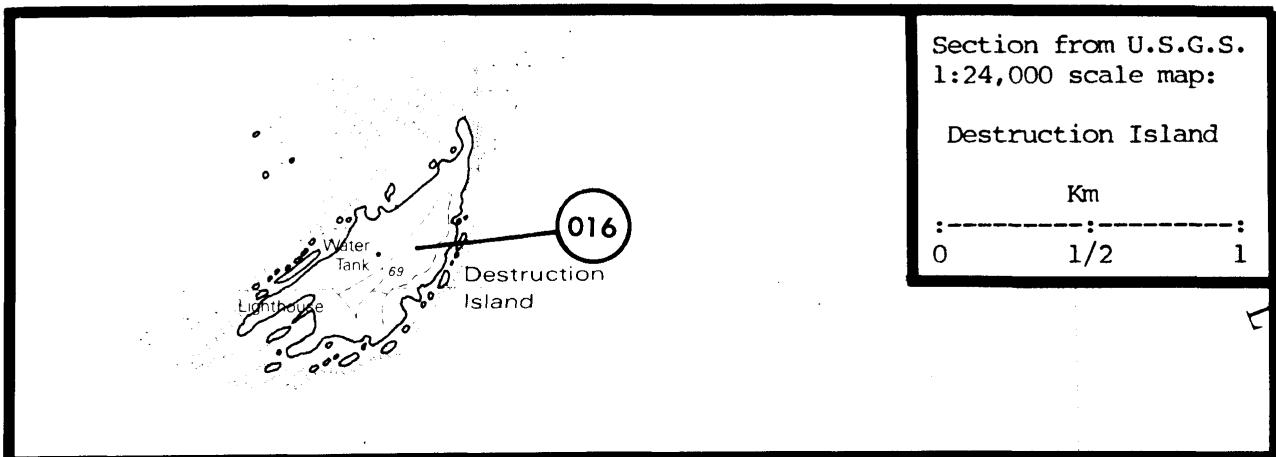
## AREA 174, Copalis Beach, North (cont'd.)

(016)

Destruction Island 47°40'36"N, 124°28'57"W

Black Oystercatcher	24-26	Nysewander 1977	Summer/75	L I 204
Glaucous-winged Gull	1040	Hoffman	?/ ?/74	L I 139
Pigeon Guillemot	60	Frazer 1973; Rieck	08/09-10/73	L III 163;233
Rhinoceros Auklet	23600	Wilson	06/30/82	L III 287
Tufted Puffin	650-700	Frazer 1975	08/08-14/74	L II 109
Total	~25400			

Double-crested Cormorant	N	Lien	?/ ?/11-17	L III 183
Pelagic Cormorant	X	Lien	?/ ?/16	L III 183
Black Oystercatcher	24	Dawson 1908	06-07/ ?/06-07	L III 65;66
Black Oystercatcher	24	Jones 1908	06/ ?/07	L III 162
Black Oystercatcher	X	Cantwell	06/03-05/15	L III 52
Black Oystercatcher	20	Lien	?/ ?/20's	L III 182
Black Oystercatcher	2	Anonymous	04/22/41	E - 17
Black Oystercatcher	1	Hudson	06/24/63	S - 149
Black Oystercatcher	1	Hudson	07/ ?/63	S - 149
Black Oystercatcher	X	Leschner	?/ ?/70	L III 178
Black Oystercatcher	X	Leschner	?/ ?/71	L III 178
Black Oystercatcher	X	Leschner	?/ ?/72	L III 178
Black Oystercatcher	40	Frazer 1973; Rieck	08/09-10/73	L III 108;233
Black Oystercatcher	X	Leschner	?/ ?/73	L III 178
Black Oystercatcher	X	Leschner	?/ ?/74	L III 178
Black Oystercatcher	20-22	Nysewander 1977	04-08/ ?/74	L I 204
Black Oystercatcher	X	Leschner	06/ ?/78	L III 178
Glaucous-winged Gull	4	Dawson 1908	06-07/ ?/06-07	L II 66
Glaucous-winged Gull	4	Jones 1908	06/ ?/07	L II 162
Glaucous-winged Gull	6	Lien	?/ ?/11-17	L III 183
Glaucous-winged Gull	1	Hudson	07/23/63	S - 149
Glaucous-winged Gull	1000	LaFave	07/23-24/63	L III 175
Glaucous-winged Gull	X	Hancock	08/05/67	L III 122
Glaucous-winged Gull	450	VanWormer	06/09-10/71	L II 266
Glaucous-winged Gull	X	Hoffman	05/06-11/73	L III 137
Glaucous-winged Gull	1000	Frazer 1973	08/09-10/73	L III 108
Glaucous-winged Gull	X	Speich	07/25/79	L III 255
Pigeon Guillemot	30	Dawson 1908	06-07/ ?/06-07	L III 66
Pigeon Guillemot	30	Jones 1908	06/ ?/07	L III 162
Pigeon Guillemot	2	Hudson	07/ ?/63	S - 149
Pigeon Guillemot	X	Hancock	08/05/67	L III 122
Pigeon Guillemot	X	Hoffman	05/05-11/73	L III 139
Pigeon Guillemot	50	Manuwal et al. 1974	Summer/74	L III 189
Pigeon Guillemot	X	Speich	07/25/79	L III 255
Rhinoceros Auklet	10000	Dawson 1908	06-07/ ?/06-07	L III 66
Rhinoceros Auklet	10000	Dawson 1909	07/ ?/06	L III 70
Rhinoceros Auklet	2	Dawson	07/16/06	E - 79
Rhinoceros Auklet	10000	Dawson	06/10/10	L III 74
Rhinoceros Auklet	10000-20000	Jones 1908	06/ ?/07	L III 162
Rhinoceros Auklet	2	Jones	06/14/07	E - 165
Rhinoceros Auklet	6000	Lien	?/ ?/11-17	L III 183
Rhinoceros Auklet	1	Albrecht	06/03/15	E - 1



Rhinoceros Auklet	P Lien	03-09/ ?/16	L III 181
Rhinoceros Auklet	X Cantwell	08/04/16	L III 52
Rhinoceros Auklet	1 Hudson	06/24/63	S - 149
Rhinoceros Auklet	1 LaFave	06/24/63	S - 176
Rhinoceros Auklet	1 Hudson	07/ ?/63	S - 149
Rhinoceros Auklet	1 Hudson	07/23/63	S - 149
Rhinoceros Auklet	1000's LaFave	07/23-24/63	L III 175
Rhinoceros Auklet	1000+ Hancock	08/05/67	L III 122
Rhinoceros Auklet	X Cody 1973	?/ ?/68-69	L III 60
Rhinoceros Auklet	1000 Hoffman	05/05-11/73	L III 137
Rhinoceros Auklet	8000-15000 Frazer 1973; Rieck	08/09-10/73	L III 108;233
Rhinoceros Auklet	2 Leschner	06/30/74	S - 179
Rhinoceros Auklet	2 Leschner	07/04/74	S - 179
Rhinoceros Auklet	32300 Leschner 1976	?/ ?/74-75	L II 177
Rhinoceros Auklet	1 Leschner	06/21/75	S - 179
Rhinoceros Auklet	1000's Speich	07/25/79	L III 255
Tufted Puffin	2 Hudson	07/ ?/63	S - 149
Tufted Puffin	1 LaFave	07/23/63	S - 176
Tufted Puffin	X LaFave	07/23-24/63	L III 175
Tufted Puffin	X Hancock	08/05/67	L III 122
Tufted Puffin	X Cody 1973	?/ ?/68-69	L III 60
Tufted Puffin	550 Leschner	?/ ?/73	L III 178
Tufted Puffin	100's Hoffman	05/05-11/73	L III 137
Tufted Puffin	400 Frazer 1973; Rieck	08/09-11/73	L II 108;233
Tufted Puffin	1 Anonymous	04/20/76	S - 16
Tufted Puffin	1 Welch	04/21/76	S - 278
Tufted Puffin	X Speich	07/25/79	L III 255

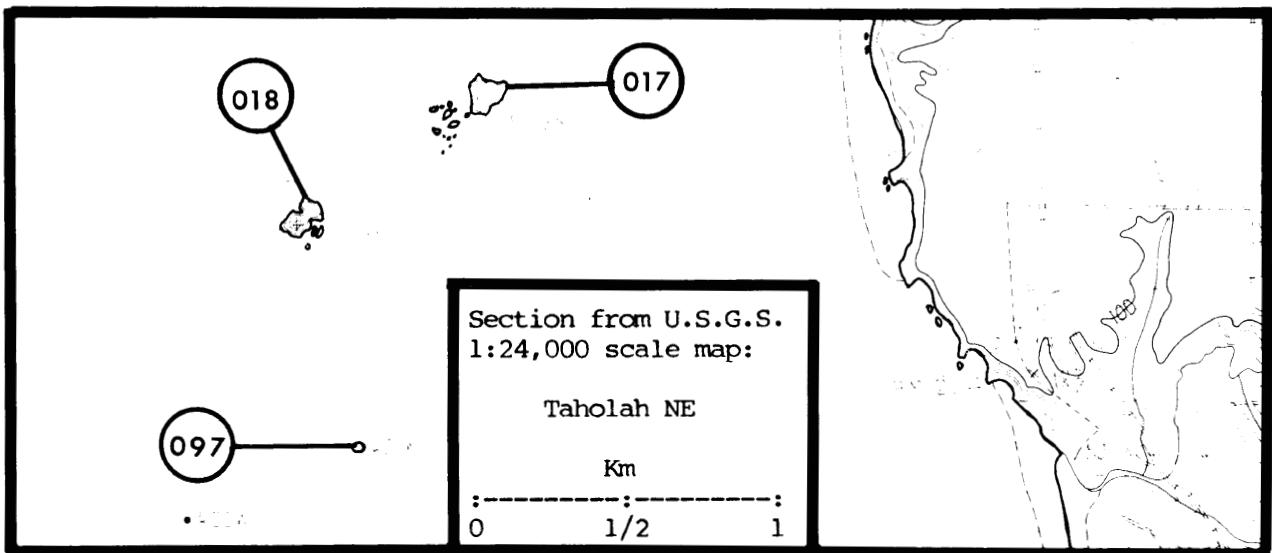
## AREA 174, Copalis Beach, North (cont'd.)

(017)

Willoughby Rock 47°24'42"N, 124°21'17"W

Double-crested Cormorant	82	Wilson	07/17/82	A	II	287
Brandt's Cormorant	446	Wilson	07/17/82	A	II	287
Pelagic Cormorant	34+	Wilson	07/17/82	A	III	287
Glaucous-winged Gull	150+	Wilson	07/17/82	A	III	287
Common Murre	5270	Wilson	07/17/82	A	III	287
Tufted Puffin	120+	Wilson	06/17/81	B	III	287
Total	~6100					

Double-crested Cormorant	50	Dawson 1908	06-07/ ?/06-07	L	III	66
Double-crested Cormorant	X	Dawson 1909	07/ ?/07	L	III	68
Double-crested Cormorant	X	Harrington-Tweit	05/20/77	A	III	124
Double-crested Cormorant	158	Speich	06/12/79	B	II	255
Double-crested Cormorant	62	Wilson	06/17/81	B	II	287
Brandt's Cormorant	X	Harrington-Tweit	05/20/77	A	III	124
Brandt's Cormorant	356	Speich	06/12/79	B	II	255
Brandt's Cormorant	50	Wilson	06/17/81	B	II	287
Pelagic Cormorant	500	Dawson 1908	06-07/ ?/06-07	L	III	66
Pelagic Cormorant	X	Jewett et al. 1953	06/14/16	? III	155	
Pelagic Cormorant	X	Harrington-Tweit	05/20/77	A	III	124
Pelagic Cormorant	388	Speich	06/12/79	B	I	255
Pelagic Cormorant	96	Wilson	06/17/81	B	I	287
Black Oystercatcher	2	Dawson 1908	06-07/ ?/06-07	L	III	66
Glaucous-winged Gull	1000's	Dawson 1908	06-07/ ?/06-07	L	III	65;
						66
Glaucous-winged Gull	X	Dawson 1909	07/ ?/07	L	III	68
Glaucous-winged Gull	X	Cantwell	?/ ?/10's	? III	52	
Glaucous-winged Gull	50	Speich	06/12/79	B	III	255
Common Murre	300	Dawson 1908	06-07/ ?/06-07	L	III	66
Common Murre	3000	Jewett et al. 1953	06/14/16	? III	155	
Common Murre	1930	Speich	06/12/79	B	III	255
Common Murre	5300	Wilson	06/05/79	A	III	287
Common Murre	3100	Wilson	07/02/80	A	III	287
Common Murre	3800	Wilson	06/17/81	B	III	287
Common Murre	2500	Wilson	07/20/81	A	III	287
Pigeon Guillemot	10	Dawson 1908	06-07/ ?/06-07	L	III	66
Pigeon Guillemot	16	Speich	06/12/79	B	III	255
Tufted Puffin	500	Dawson 1908	06-07/ ?/06-07	L	III	66
Tufted Puffin	X	Harrington-Tweit	05/20/77	A	III	124
Tufted Puffin	28	Speich	06/12/79	B	III	255



Willoughby Rock (174017) 19 November 1979 S.M. Speich

AREA 174, Copalis Beach, North (cont'd.)

(018)

Split Rock 47°24'29"N, 124°21'46"W

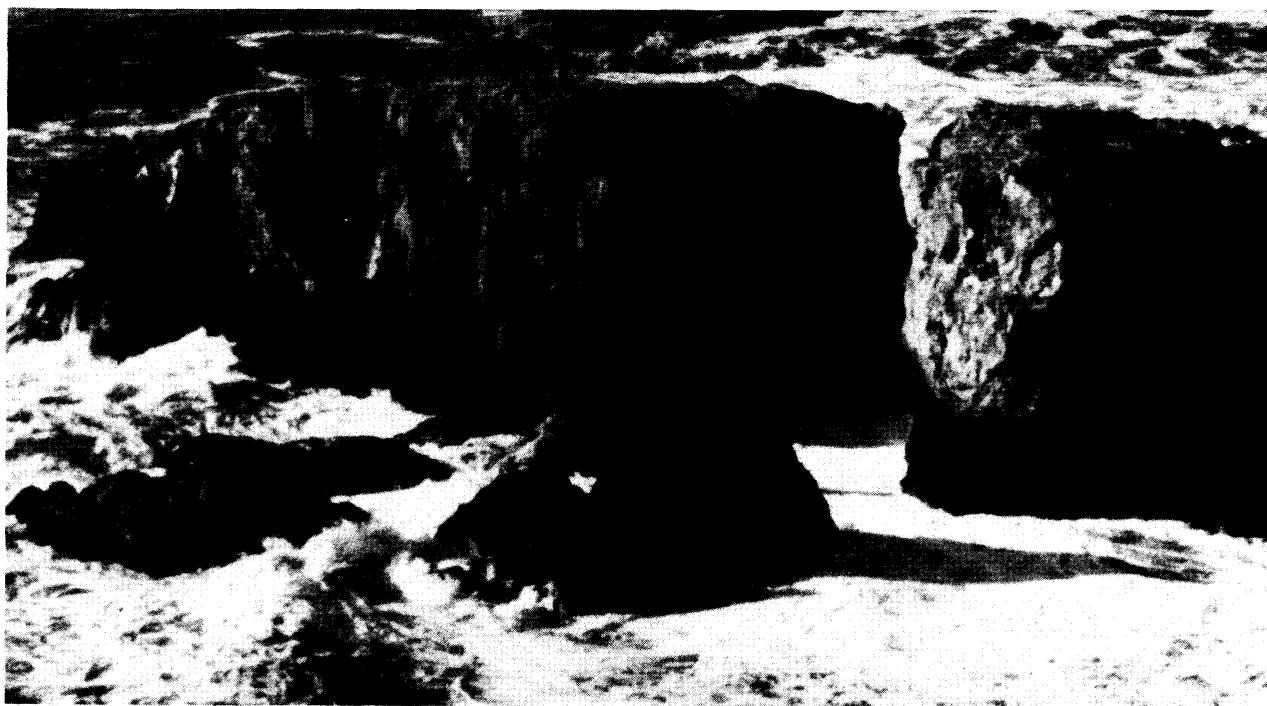
Double-crested Cormorant	316	Wilson	07/17/82	A II	287
Common Murre	10400	Wilson	07/17/82	A III	287
Total	10716				

Double-crested Cormorant	4	Dawson	1908	06-07/	?/06-07	?	III	66
Double-crested Cormorant	210	Wilson		06/17/81		B	I	287
Double-crested Cormorant	X	Wilson		07/20/81		A	III	287
Brandt's Cormorant	236	Wilson		06/17/81		B	I	287
Brandt's Cormorant	X	Wilson		07/20/81		A	III	287
Pelagic Cormorant	60+	Wilson		06/17/81		B	II	287
Black Oystercatcher	2	Dawson	1908	06-07/	?/06-07	?	III	66
Glaucous-winged Gull	200	Dawson	1908	06-07/	?/06-07	?	III	66;65
Common Murre	1000's	Harrington-Tweit		05/20/77		A	III	124
Common Murre	4600	Speich		06/12/79		B	III	255
Common Murre	9150	Wilson		07/05/79		A	III	286
Common Murre	3070	Wilson		07/02/80		A	III	286
Common Murre	5100	Wilson		06/17/81		B	III	287
Common Murre	8000+	Wilson		07/20/81		A	III	287

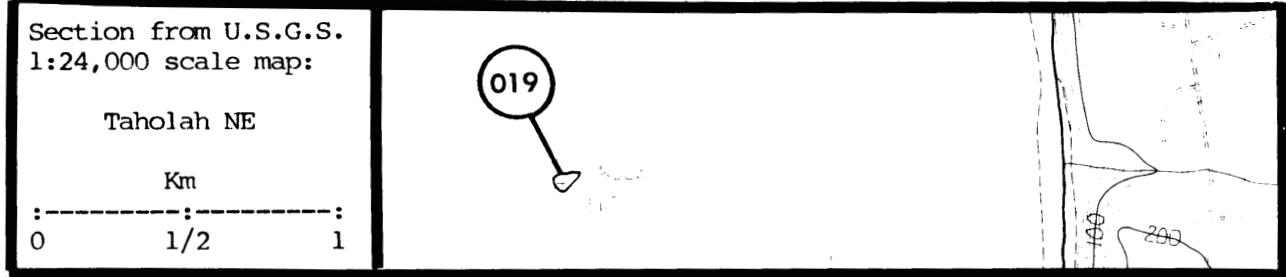
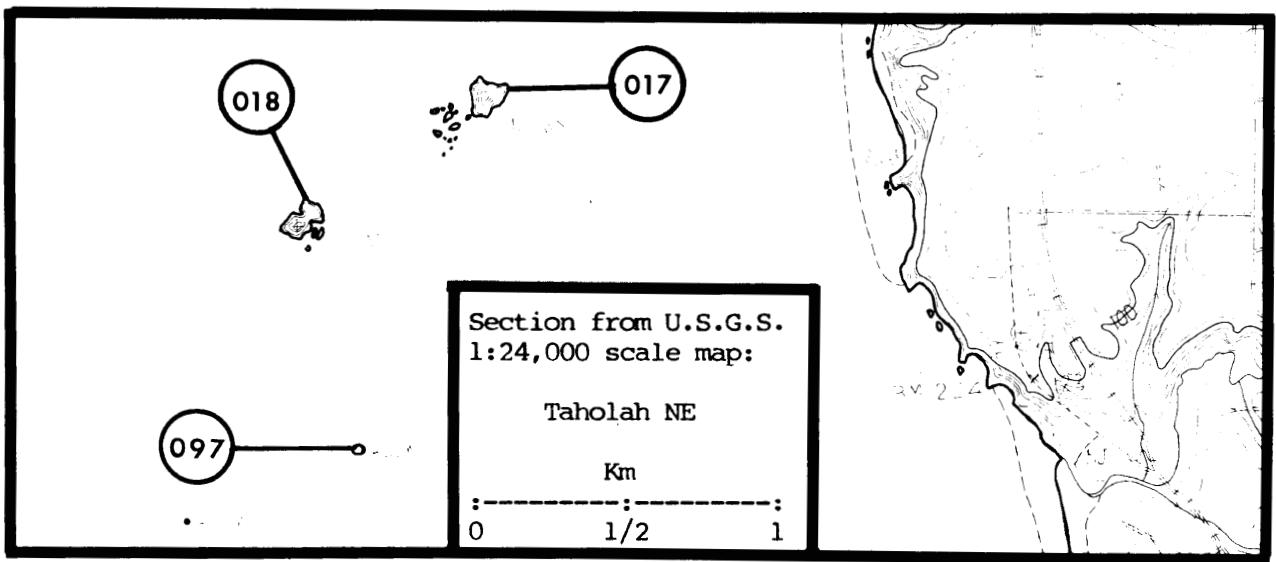
(019)

Flat Rock 47°22'44"N, 124°20'38"W

No Nesting Observed	0	Speich	06/12/79	B III	255
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Split Rock (174018) 19 November 1979 S.M. Speich



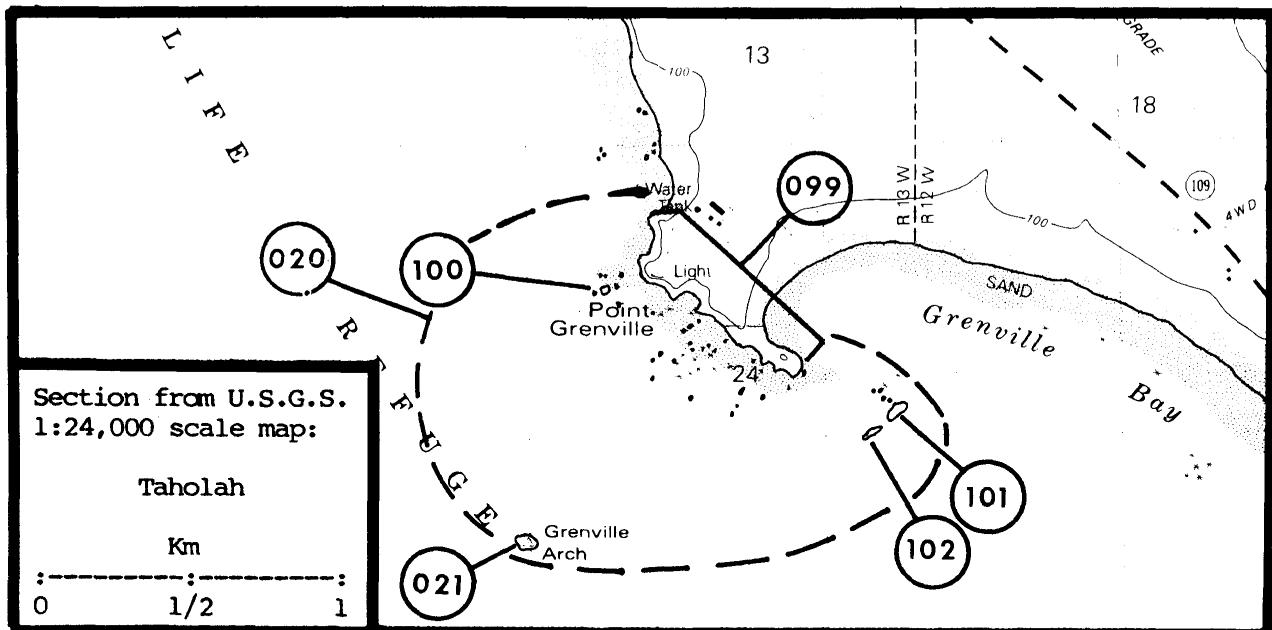
## AREA 174, Copalis Beach, North (cont'd.)

(020)

Point Grenville, mainland & offshore rocks<sup>1</sup> 47°18'00"N, 124°16'45"W

Double-crested Cormorant	X	Harrington-Tweit	05/20/77	A III 124
Double-crested Cormorant	50	Harrington-Tweit	06/25/78	M III 124
Double-crested Cormorant	X	Wilkins	05/21/81	M III 283
Brandt's Cormorant	X	Harrington-Tweit	05/20/77	A III 124
Brandt's Cormorant	4?	Harrington-Tweit	06/25/78	M III 124
Pelagic Cormorant	60-80	Frazer 1973	07/24/73	M III 108
Pelagic Cormorant	X	Harrington-Tweit	05/20/77	A III 124
Pelagic Cormorant	30	Harrington-Tweit	06/25/78	M III 124
Pelagic Cormorant	X	Wilkins	05/21/81	M III 283
Black Oystercatcher	?	Egbert	06/25/75	M III 102
Black Oystercatcher	1?	Hoge & Hoge	06/20/76	M III 143
Black Oystercatcher	2?	Hoge & Hoge	07/10/76	M III 143
Black Oystercatcher	X	Egbert	06/22/79	M III 102
Glaucous-winged Gull	X	Harrington-Tweit	05/11/80	M III 124
Glaucous-winged Gull	80	Harrington-Tweit	06/25/78	M III 124
Common Murre	X	Harrington-Tweit	05/20/77	A III 124
Common Murre	6000+	Harrington-Tweit	06/25/78	M III 124
Common Murre	1000's	Harrington-Tweit	05/11/80	M III 124
Pigeon Guillemot	12	Harrington-Tweit	06/25/78	M III 124
Tufted Puffin	100	Leschner	07/24/73	M III 178
Tufted Puffin	80	Hoge & Morris	04/26/74	M III 142
Tufted Puffin	40-50	Hoge & Hoge	06/26/74	M III 141
Tufted Puffin	20	Crowell & Nehls 1975	07/26/75	M III 64
Tufted Puffin	64	Hoge & Hoge	07/11/76	M III 140
Tufted Puffin	X	Harrington-Tweit	05/20/77	A III 124
Tufted Puffin	X	Hoge & Hoge	07/13/79	M III 143
Tufted Puffin	X	Harrington-Tweit	05/11/80	M III 124

<sup>1</sup>Insufficient data to determine exact location.



021

Grenville Arch (Arch Rock; Granville Arch; Granvill Rock)  
47°17'46"N, 124°16'59"W

Common Murre	5000	Wilson	07/17/82	A III	287
Leach's Storm-Petrel	1000	Cantwell	? / ?/15	? III	52
Double-crested Cormorant	100	Dawson 1908	06-07 / ?/06-07	L III	66
Double-crested Cormorant	80	Cantwell	08/01/15	L II	52
Double-crested Cormorant	N	Speich	06/12/79	B I	255
Double-crested Cormorant	N	Wilson	08/14/81	B I	287
Brandt's Cormorant	100	Dawson 1908	06-07 / ?/06-07	L III	66
Brandt's Cormorant	40	Cantwell	08/01/15	L II	52
Brandt's Cormorant	N	Speich	06/12/79	B I	255
Brandt's Cormorant	N	Wilson	08/14/81	B I	287
Pelagic Cormorant	100	Dawson 1908	06-07 / ?/06-07	L III	66
Pelagic Cormorant	14	Speich	06/12/79	B I	255
Pelagic Cormorant	N	Wilson	08/14/81	B I	287
Black Oystercatcher	2	Dawson 1908	06-07 / ?/06-07	L III	66
Glaucous-winged Gull	50	Dawson 1908	06-07 / ?/06-07	L III	66
Glaucous-winged Gull	X	Cantwell	? / ?/10's	L III	52
Glaucous-winged Gull	4	Speich	06/12/79	B II	255
Common Murre	10	Dawson 1908	06-07 / ?/06-07	L III	66
Common Murre	800+	Frazer 1973	08/24/73	L III	108
Common Murre	3750	Speich	06/12/79	B III	255
Common Murre	8990	Wilson	07/05/79	A III	287
Common Murre	5830	Wilson	07/02/80	A III	287
Common Murre	250	Wilson	08/14/81	B III	287
Pigeon Guillemot	10	Dawson 1908	06-07 / ?/06-07	L III	66
Tufted Puffin	X	Cantwell	08/01/15	? III	52

AREA 174, Copalis Beach, North (cont'd.)

(022)

Copalis Rock 47°09'02"N, 124°11'45"W

There are no definite records of marine birds nesting at this site.

(023)

Goose Island

(024)

Sand Island

(025)

Whitcomb Flats

These sites are included in AREA 174, Copalis Beach, South

(026)

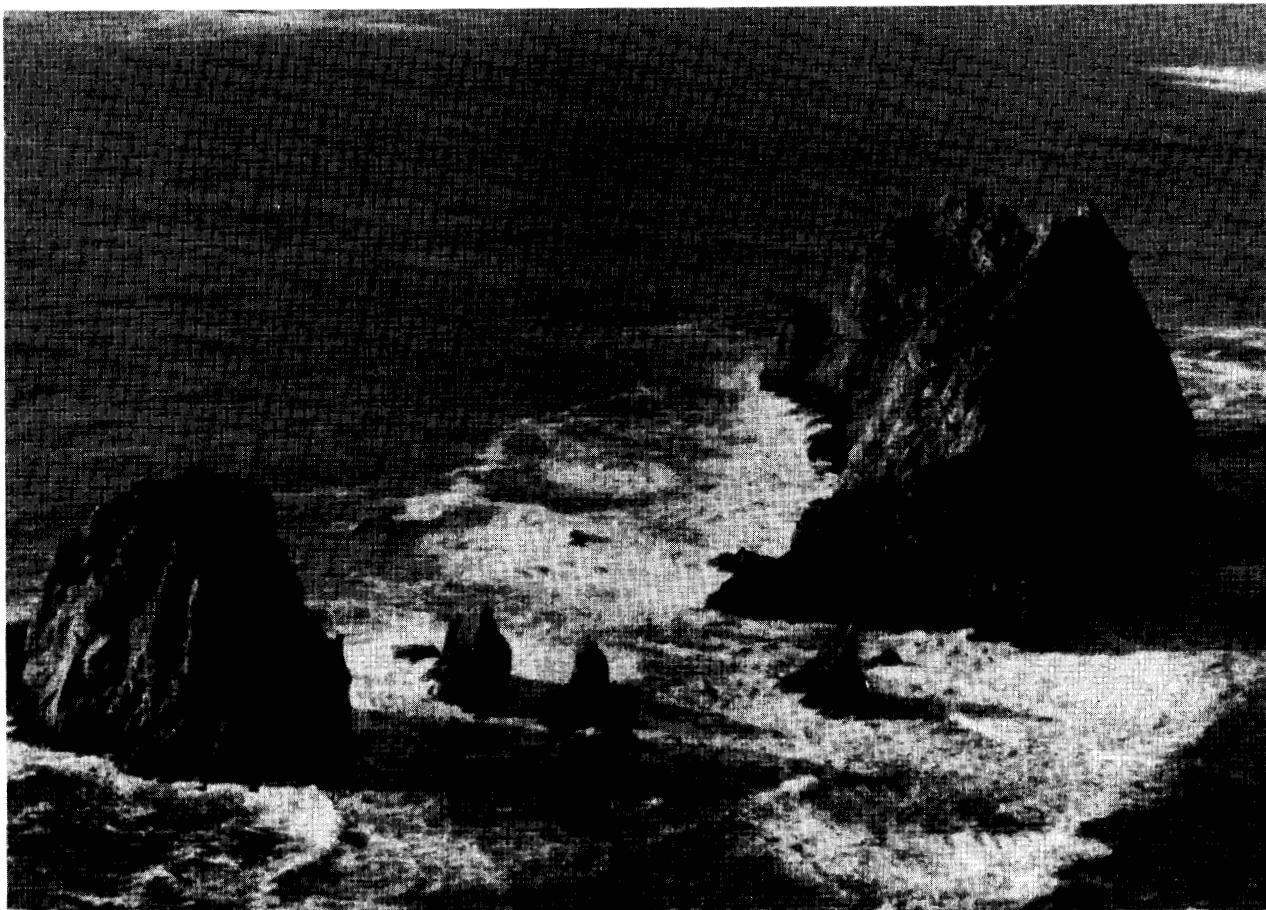
"Unnamed Rock" 47°59'59"N, 124°41'28"W

Pelagic Cormorant

20 Pitman

06/30/78

B I 217



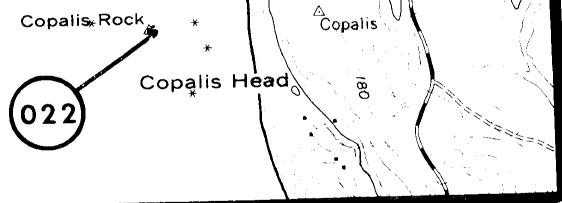
Jagged Island (174027) (right) 19 November 1979 S.M. Speich

Section from U.S.G.S.  
1:24,000 scale map:

Moclips

Km

0 1/2 1



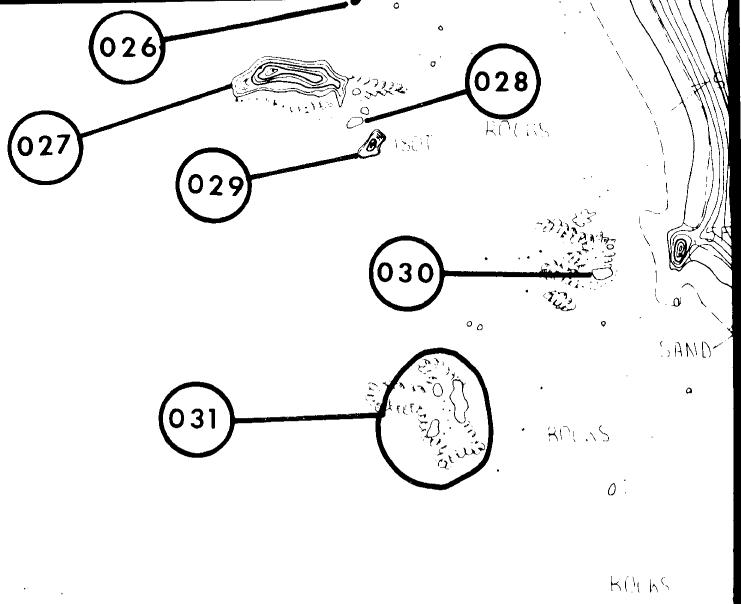
022

Section from U.S.G.S.  
1:24,000 scale map:

LaPush NW

Km

0 1/2 1



031

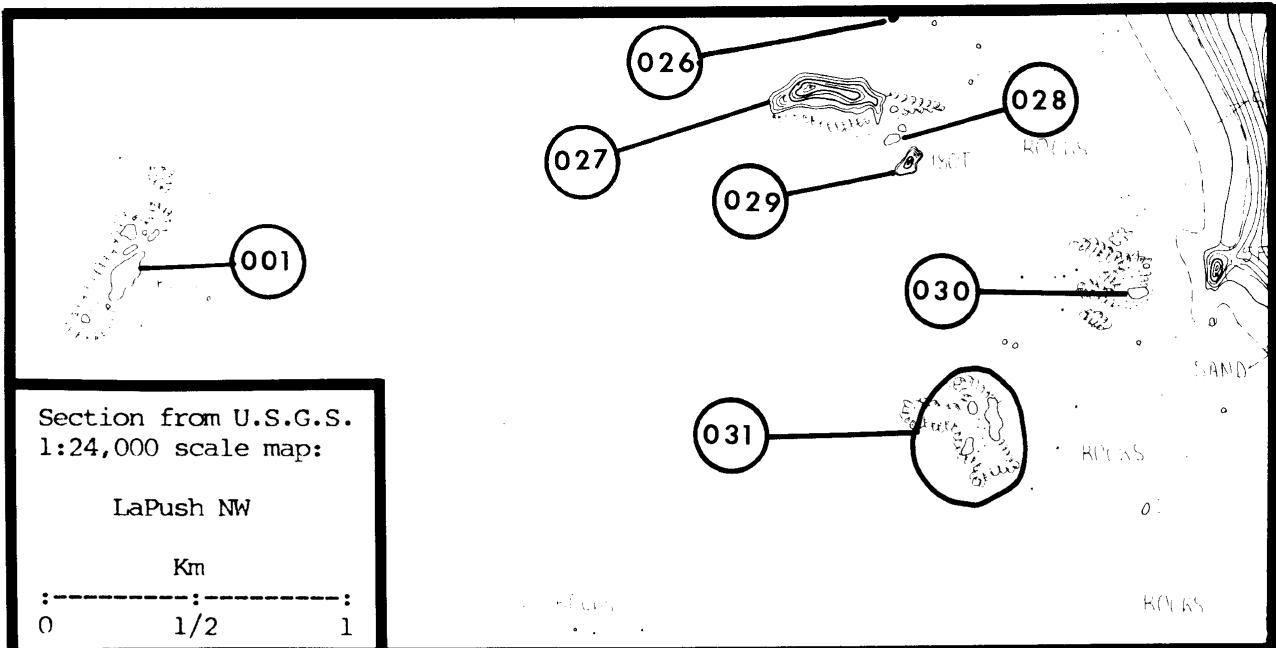
## AREA 174, Copalis Beach, North (cont'd.)

(027)

Jagged Island (Wishalooth; Bald Island) 47°59'48"N, 124°41'40"W

Leach's Storm-Petrel	20000	Speich	08/04/79	L III	255
Double-crested Cormorant	34	Wilson	06/08/82	B I	287
Pelagic Cormorant	70	Wilson	06/08/82	B I	287
Black Oystercatcher	6	Wilson	06/08/82	B III	287
Glaucous-winged Gull	690	Wilson	06/08/82	B III	287
Common Murre	430	Wilson	06/08/82	B III	287
Pigeon Guillemot	27	Wilson	06/08/82	B III	287
Cassin's Auklet	8000	Speich	08/04/79	L III	255
Tufted Puffin	7800	Wilson	06/08/82	B III	287
Total	<u>37057</u>				

Leach's Storm-Petrel	8	Dawson	06/11-17/07	E -	78
Leach's Storm-Petrel	100's	Dawson	06/11-17/07	L III	73
Leach's Storm-Petrel					
Double-crested Cormorant	5000-15000	Dawson 1908	06-07/ ?/06-07	L III	66
Double-crested Cormorant	X	Cantwell	05/29/15	? III	52
Double-crested Cormorant	X	Hancock	08/04/67	B III	122
Double-crested Cormorant	180	Pitman	06/30/78	B I	217
Double-crested Cormorant	186	Speich	07/22/78	B I	255
Double-crested Cormorant	X	Pitman	06/04/79	B III	217
Double-crested Cormorant	X	Speich	06/04/79	B III	255
Double-crested Cormorant	30	Wilson	08/13/81	B I	287
Pelagic Cormorant	100	Dawson 1908	06-07/ ?/06-07	L III	66
Pelagic Cormorant	X	Hancock	08/04/67	B III	122
Pelagic Cormorant	332	Pitman	06/30/78	B II	217
Pelagic Cormorant	430	Speich	07/22/78	B I	255
Pelagic Cormorant	X	Pitman	06/04/79	B III	217
Pelagic Cormorant	X	Speich	06/04/79	B III	255
Pelagic Cormorant	82	Wilson	08/13/81	B I	287
Black Oystercatcher	6	Dawson 1908	06-07/ ?/06-07	L III	66
Black Oystercatcher	6	Hancock	08/04/67	B III	122
Black Oystercatcher	2	Leschner	06/21/78	B III	178
Black Oystercatcher	4	Pitman	06/30/78	B III	217
Black Oystercatcher	4	Speich	07/22/78	B III	255
Black Oystercatcher	X	Speich	06/04/79	B III	255
Glaucous-winged Gull	2000-3000	Dawson 1908	06-07/ ?/06-07	L III	66
Glaucous-winged Gull	X	Jones 1908	06/17/07	L III	163
Glaucous-winged Gull	X	Hancock	08/04/67	B III	122
Glaucous-winged Gull	620	Pitman	06/30/78	B III	217
Glaucous-winged Gull	640	Speich	07/22/78	B III	255
Glaucous-winged Gull	X	Speich	06/04/79	B III	255
Glaucous-winged Gull	400+	Wilson	08/13/81	B III	287
Common Murre	X	Jones 1908	06/17/07	L III	163
Common Murre	50?	Kenyon &			
Common Murre		Scheffer 1962	07/13/59	A III	167
Common Murre	1	Pitman	06/30/78	B III	217
Common Murre	54	Speich	07/22/78	B III	255
Common Murre	X	Pitman	06/04/79	B III	217
Common Murre	X	Speich	06/04/79	B III	255



Common Murre	250	Wilson	08/13/81	B III 287
Pigeon Guillemot	X	Hancock	08/04/67	B III 122
Pigeon Guillemot	12	Pitman	06/30/78	B III 217
Pigeon Guillemot	7	Speich	07/22/78	B III 255
Pigeon Guillemot	X	Speich	06/04/79	B III 255
Tufted Puffin	1000	Dawson 1908	06-07/ ?/06-07	L III 66
Tufted Puffin	X	Dawson	06/11-17/07	L III 73
Tufted Puffin	X	Jones 1908	06/17/07	L III 163
Tufted Puffin	30	Kenyon & Scheffer 1962	07/13/59	A III 167
Tufted Puffin	X	Hancock	08/04/67	B III 122
Tufted Puffin	10000	Pitman	06/30/78	B III 217
Tufted Puffin	X	Speich	07/22/78	B III 255
Tufted Puffin	1000's	Pitman	06/04/79	B III 217
Tufted Puffin	X	Speich	06/04/79	B III 255
Tufted Puffin	12000	Speich	08/04/79	L III 255
Tufted Puffin	950+	Wilson	08/13/81	B III 287

AREA 174, Copalis Beach, North (cont'd.)

(028)

"Unnamed Rock" 47°59'47"N, 124°41'24"W

Pelagic Cormorant	4	Wilson	06/08/82	B I 287
Black Oystercatcher	2	Speich	07/22/78	B III 255
Glaucous-winged Gull	10	Wilson	06/08/82	B I 287
Total	16			

Glaucous-winged Gull 20 Pitman 06/30/78 B III 217

(029)

"Unnamed Rock" 47°59'42"N, 124°41'24"W

Pelagic Cormorant	12	Wilson	06/08/82	B I 287
Black Oystercatcher	1	Wilson	06/08/82	B III 287
Glaucous-winged Gull	150	Wilson	06/08/82	B III 287
Common Murre	25	Wilson	06/08/82	B III 287
Pigeon Guillemot	8	Wilson	06/08/82	B III 287
Tufted Puffin	110	Wilson	06/08/82	B II 287
Total	306			

Pelagic Cormorant	90	Pitman	06/30/78	B I 217
Pelagic Cormorant	98	Speich	07/22/78	B I 255
Black Oystercatcher	2	Pitman	06/30/78	B III 217
Glaucous-winged Gull	X	Hancock	08/04/67	B III 122
Glaucous-winged Gull	60	Pitman	06/30/78	B III 217
Glaucous-winged Gull	X	Speich	07/22/78	B III 255
Common Murre	17	Speich	07/22/78	B III 255
Pigeon Guillemot	9	Speich	07/22/78	B III 255
Tufted Puffin	200	Pitman	06/30/78	B III 217

(030)

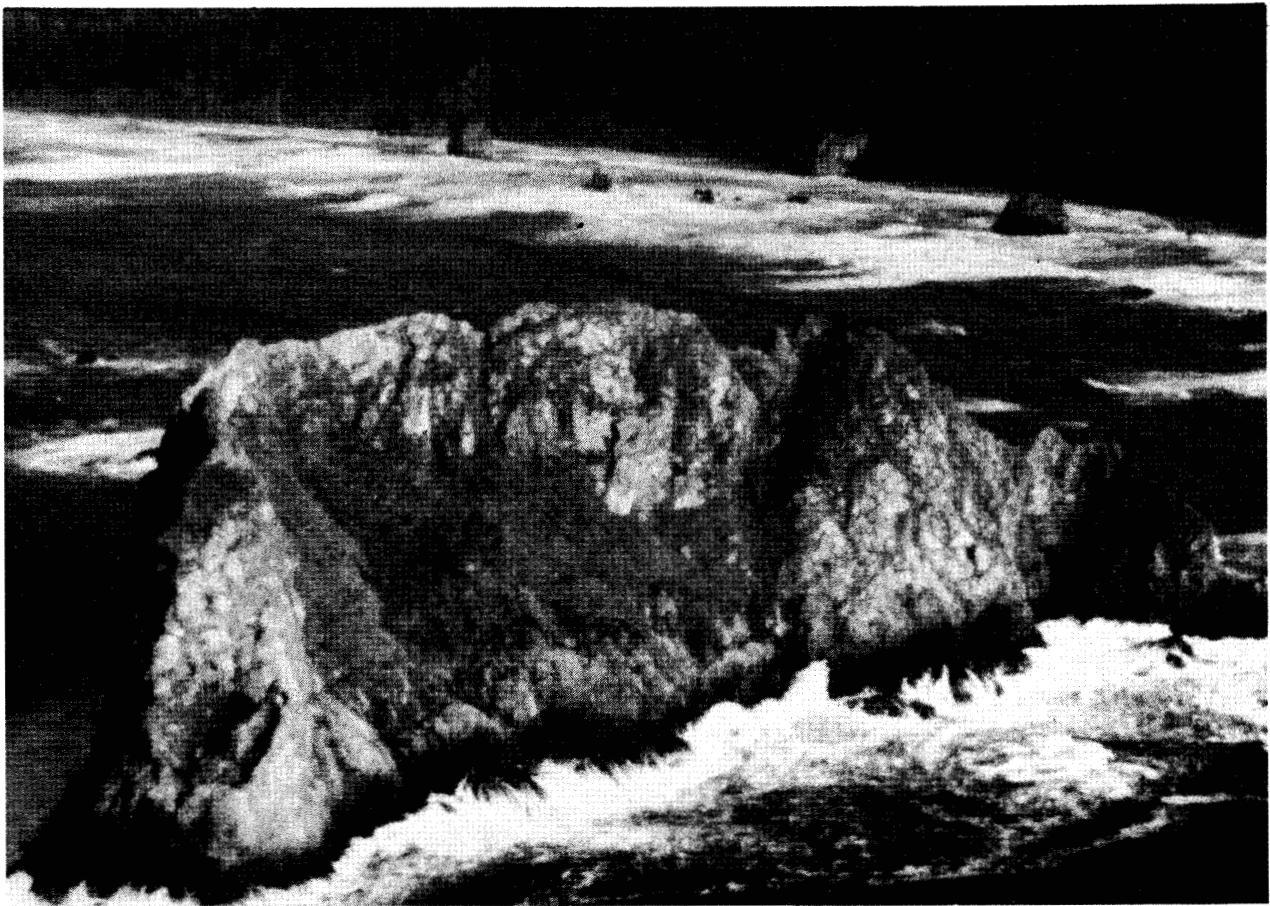
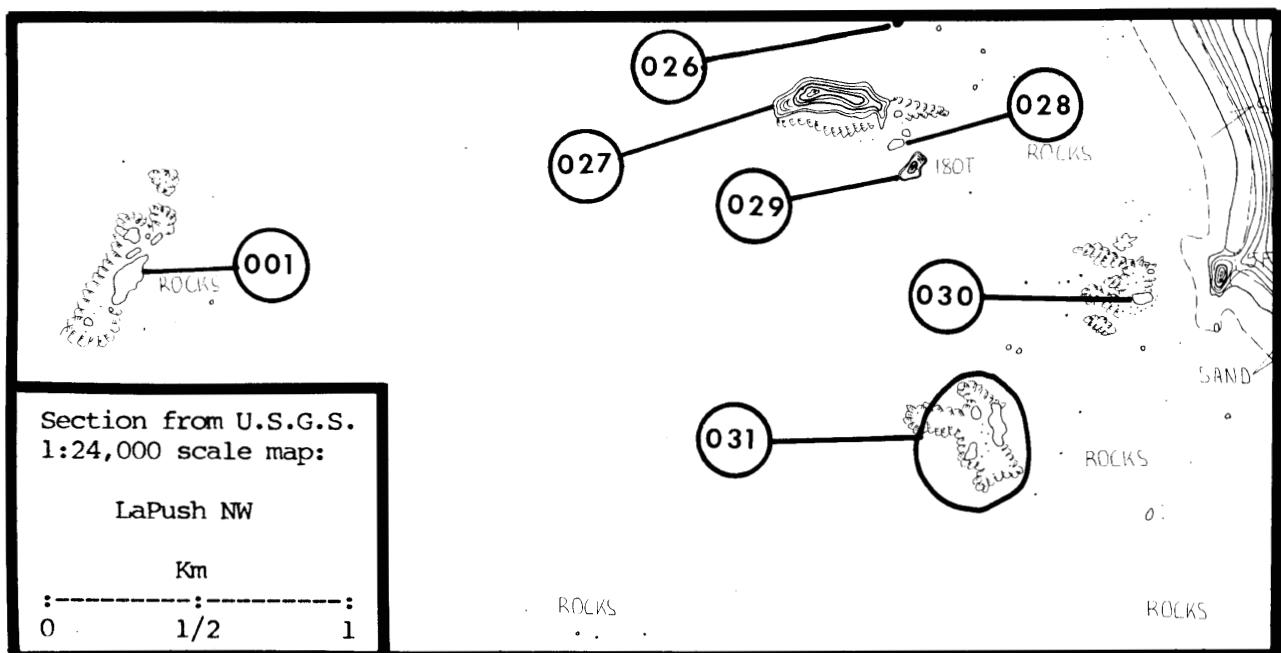
"Unnamed Rock" 47°59'30"N, 124°40'58"W

Black Oystercatcher 2 Wilson 06/08/82 L I 287

(031)

Sandy Island, group 47°59'14"N, 124°41'24"W

No Nesting Observed 0 Speich 06/08/78 B III 255



Jagged Island (174027) 19 November 1979 S.M. Speich

AREA 174, Copalis Beach, North (cont'd.)

(032)

"Unnamed Rock" 47°58'12"N, 124°40'54"W

No Nesting Observed	0	Pitman	07/22/79	B III 217
No Nesting Observed	0	Speich	06/08/78	B III 255
No Nesting Observed	0	Pitman	06/30/78	B III 217

(033)

Cape Johnson, mainland 47°58'00"N, 124°40'26"W

Black Oystercatcher	23	Nysewander 1977	06/11/74	L III 204
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(034)

Cape Johnson, offshore rocks 47°58'00"N, 124°40'30"W

Pelagic Cormorant	X	Dawson 1908	06-07/ ?/06-07	B III 66
Black Oystercatcher	X	Dawson 1908	06-07/ ?/06-07	B III 66
Black Cystercatcher	6	Nysewander 1974	06/14-16/74	B III 204
Glaucous-winged Gull	X	Dawson 1908	06-07/ ?/06-07	B III 66

(035)

"Unnamed Rock" 47°57'32"N, 124°40'31"W

Black Oystercatcher	1	Speich	06/08/78	B III 255
Black Oystercatcher	3	Speich	07/22/78	B III 255
Pigeon Guillemot	2	Speich	06/08/78	B III 255

(036)

"Unnamed Rock" 47°57'30"N, 124°40'14"W

No Nesting Observed	0	Pitman	06/30/78	B III 217
No Nesting Observed	0	Speich	06/08/78	B III 255

(037)

"Unnamed Rock" 47°57'15"N, 124°40'24"W

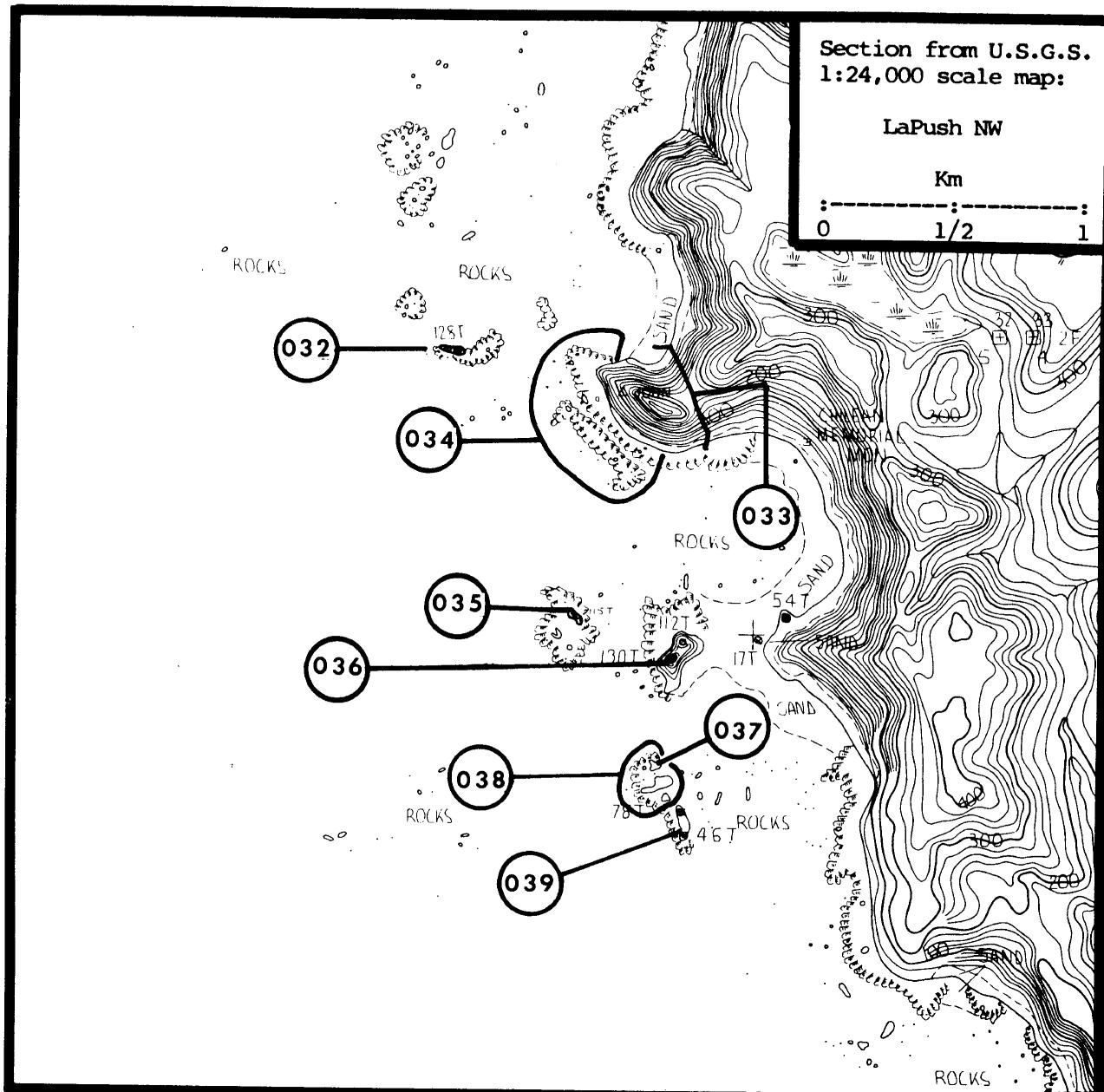
Black Oystercatcher	2	Wilson	06/08/82	B III 287
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Section from U.S.G.S.  
1:24,000 scale map:

LaPush NW

Km

0 1/2 1



AREA 174, Copalis Beach, North (cont'd.)

(038)

"Unnamed Rocks" 47°57'13"N, 124°40'20"W

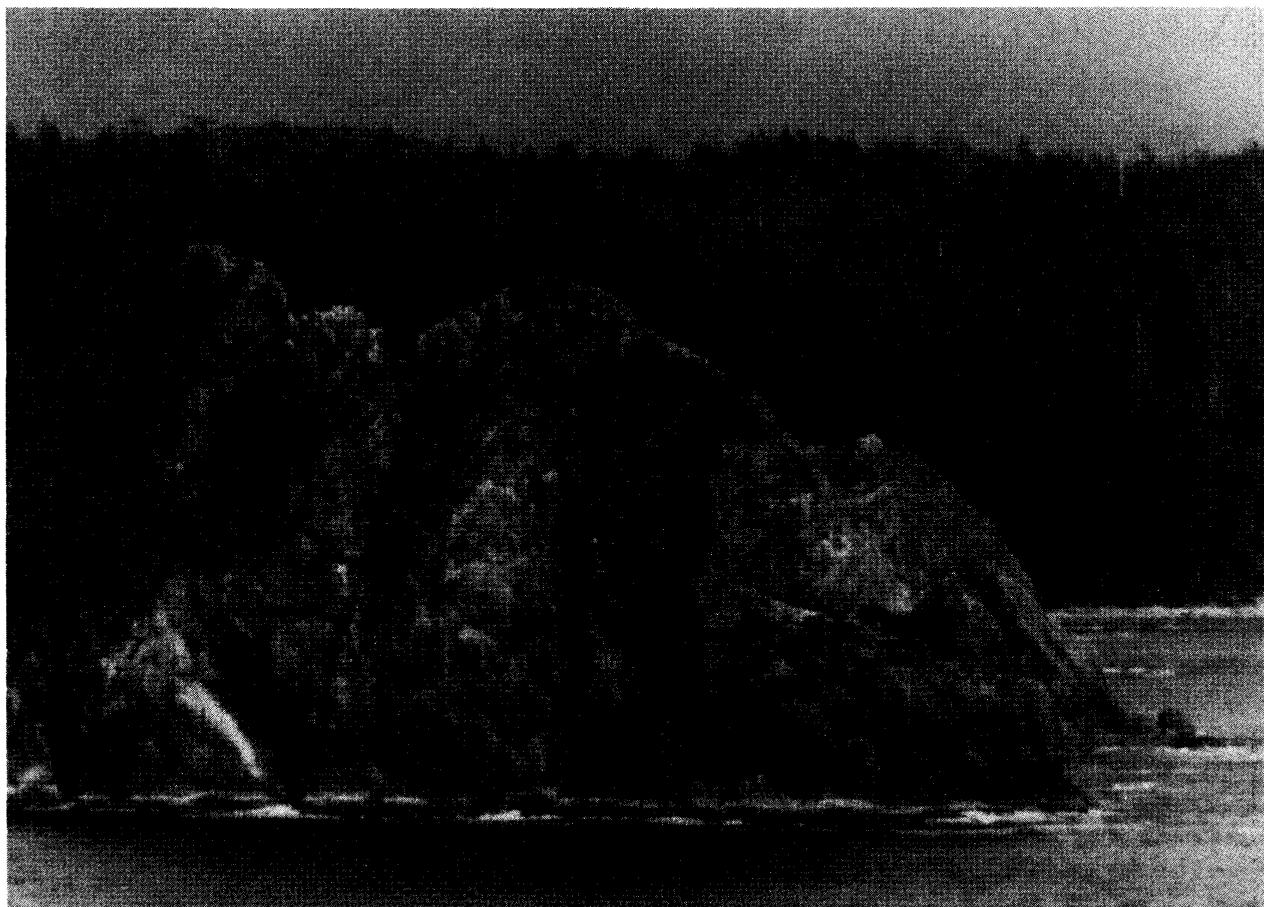
Black Oystercatcher	1	Speich	07/22/78	B III	255
Glaucous-winged Gull	1?	Speich	07/22/78	B III	255
Total	2				

Glaucous-winged Gull 2 Speich 06/08/78 B I 255

(039)

"Dohodaaluh" 47°57'05"N, 124°40'13"W

Glaucous-winged Gull	6?	Speich	07/22/78	B III	255
Double-crested Cormorant	20	Dawson 1908	06-07/ ?/06-07	B III	66
Pelagic Cormorant	100	Dawson 1908	06-07/ ?/06-07	B III	66
Black Oystercatcher	12	Dawson 1908	06-07/ ?/06-07	B III	66
Glaucous-winged Gull	50	Dawson 1908	06-07/ ?/06-07	B III	66
Tufted Puffin	40	Dawson 1908	06-07/ ?/06-07	B III	66



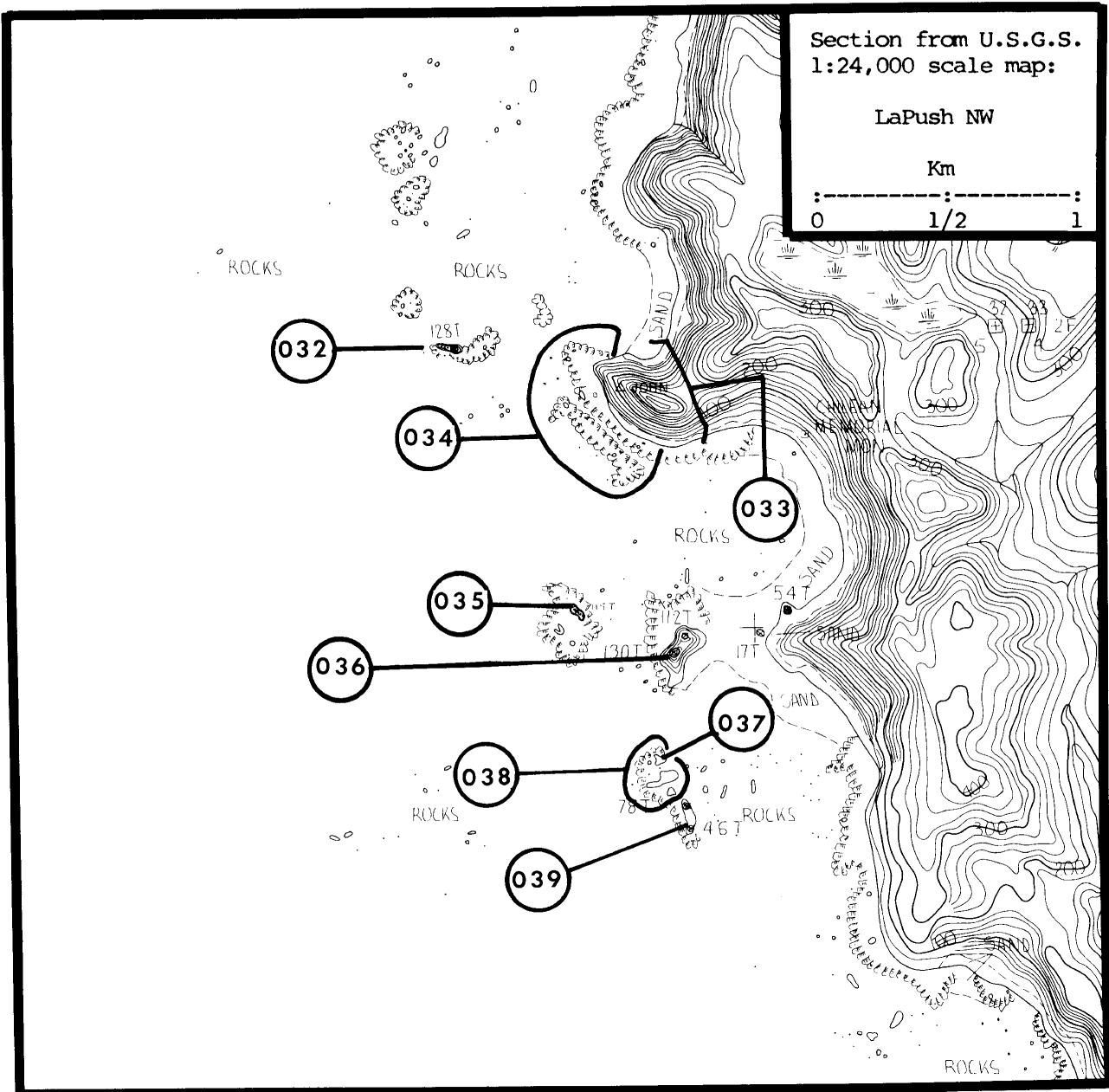
Jagged Island (174027) 8 June 1978 R.L. Pitman

Section from U.S.G.S.  
1:24,000 scale map:

LaPush NW

Km

0 1/2 1



## AREA 174, Copalis Beach, North (cont'd.)

(040)

Dahdayla 47°56'08"N, 124°40'01"W

Double-crested Cormorant	22	Wilson	06/08/82	B I 287
Pelagic Cormorant	8	Wilson	06/08/82	B I 287
Black Oystercatcher	4	Wilson	06/08/82	B III 287
Glaucous-winged Gull	35	Wilson	06/08/82	B III 287
Pigeon Guillemot	14	Speich	06/26/79	B III 255
Total	83			
Double-crested Cormorant	150+	Hancock	08/04/67	B III 122
Double-crested Cormorant	78	Speich	06/08/78	B I 255
Double-crested Cormorant	56	Speich	07/22/78	B I 255
Double-crested Cormorant	46	Speich	06/26/79	B I 255
Double-crested Cormorant	50	Wilson	08/13/81	B I 287
Pelagic Cormorant	X	Hancock	08/04/67	B III 122
Pelagic Cormorant	80	Speich	06/08/78	B I 255
Pelagic Cormorant	88	Speich	07/22/78	B I 255
Pelagic Cormorant	76	Speich	06/26/79	B I 255
Pelagic Cormorant	14	Wilson	08/13/81	B I 287
Black Oystercatcher	2	Hancock	08/04/67	B III 122
Black Oystercatcher	5	Speich	06/08/78	B III 255
Black Oystercatcher	4	Speich	07/22/78	B III 255
Black Oystercatcher	2	Speich	06/26/79	B III 255
Black Oystercatcher	2	Wilson	08/13/81	B III 287
Glaucous-winged Gull	40	Hancock	08/04/67	B III 122
Glaucous-winged Gull	42	Speich	06/08/78	B II 255
Glaucous-winged Gull	X	Speich	07/22/78	B III 255
Glaucous-winged Gull	66	Speich	06/26/79	B II 255
Glaucous-winged Gull	150	Wilson	08/13/81	B III 287
Common Murre	20-30	Hancock	08/04/67	B III 122
Common Murre	2	Cody 1973	?/?/68-69	B III 60
Pigeon Guillemot	6	Speich	06/08/78	B III 255
Pigeon Guillemot	8	Speich	07/22/78	B III 255

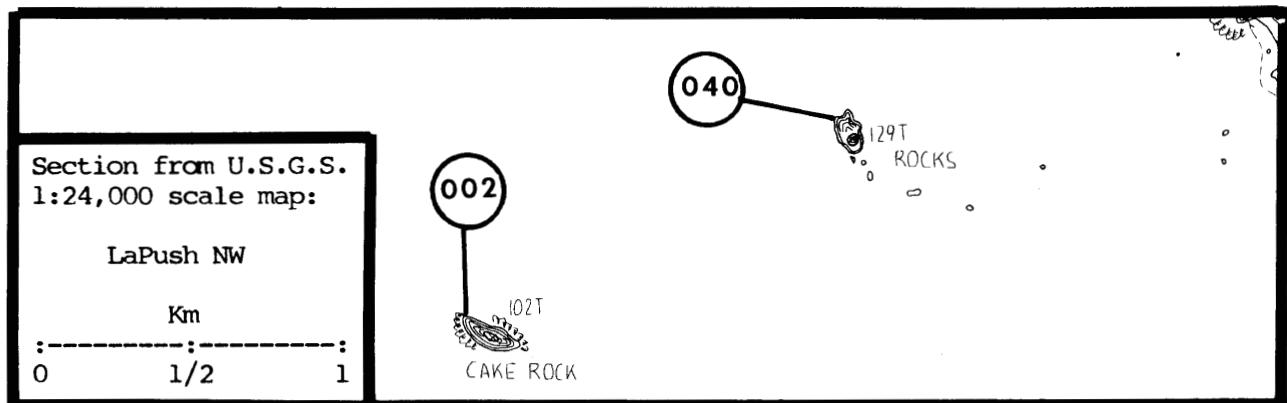


Table Rock (174051) (front) "Dhuoyautzachahl" (174049) (left) Cakesosta (174050) (right) 19 November 1979 S.M. Speich

AREA 174, Copalis Beach, North (cont'd.)

(041)

"Kohchaa(uh)" 47°54'38"N, 124°39'00"W

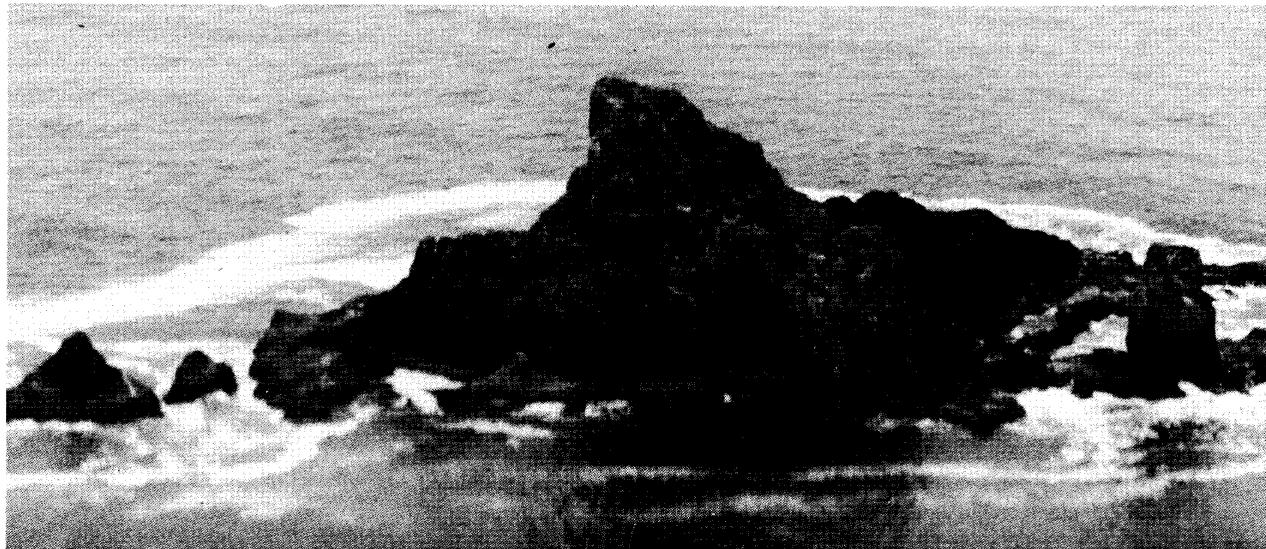
Leach's Storm-Petrel	100's	Speich	06/28/79	B III	255
Common Murre	850	Wilson	07/17/82	A III	287
Pigeon Guillemot	1	Speich	06/08/78	B III	255
Tufted Puffin	200-400	Speich	06/08/78	B III	255
Total	<u>-1150</u>				

Double-crested Cormorant	X	Eddy	07/25/54	M III	95
Double-crested Cormorant	10's	Hancock	08/04/67	B III	122
Pelagic Cormorant	X	Eddy	07/25/54	M III	95
Pelagic Cormorant	X	Hancock	08/04/67	B III	122
Glaucous-winged Gull	X	Dawson 1908	06-07/ ?/06-07	B III	66
Glaucous-winged Gull	X	Eddy	07/25/54	M III	95
Glaucous-winged Gull	25?	Speich	06/08/78	B III	255
Common Murre	X	Eddy	07/25/54	M III	95
Common Murre	10's	Hancock	08/04/67	B III	122
Common Murre	480	Wilson	07/05/79	A III	287
Common Murre	1600	Wilson	07/02/80	A III	287
Pigeon Guillemot	X	Hancock	08/04/67	B III	112
Cassin's Auklet	?	Speich	06/28/79	B III	255
Tufted Puffin	X	Eddy	07/25/54	M III	95
Tufted Puffin	X	Hancock	08/04/67	B III	122

(042)

"Unnamed Rock" 47°54'29"N, 124°39'02"W

Pelagic Cormorant	8	Speich	06/08/78	B III	255
Glaucous-winged Gull	50	Speich	06/08/78	B III	255
Total	<u>58</u>				



Dahdayla (174040) 16 June 1970 J.P. Mazzoni

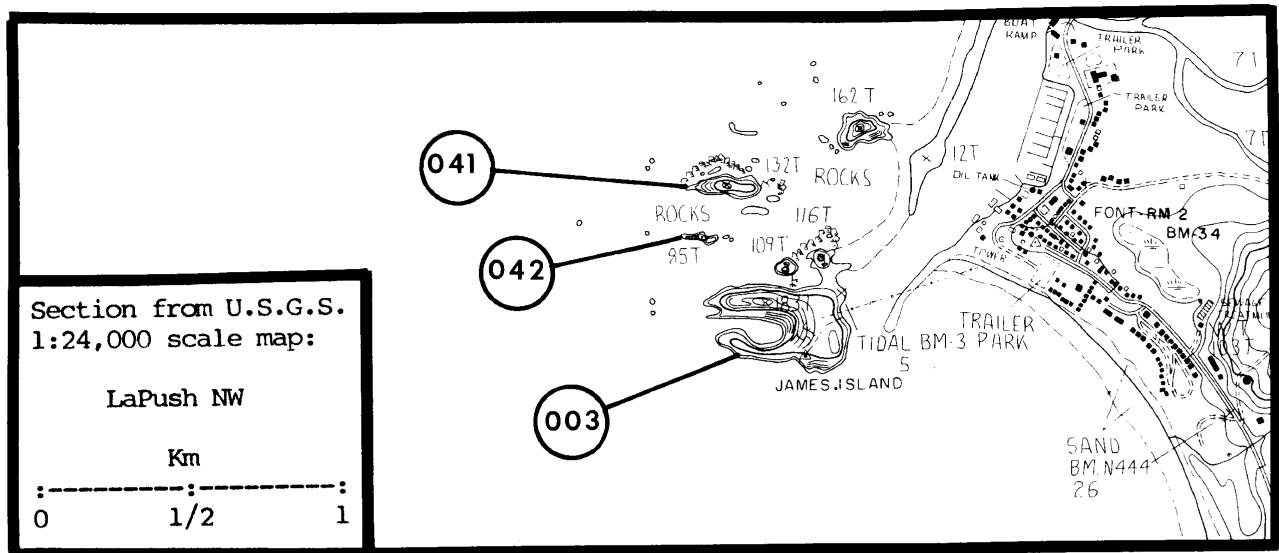


Table Rock (174051) 19 November 1979 S.M. Speich

AREA 174, Copalis Beach, North (cont'd.)

(043)

Quillayute Needles, group<sup>1</sup> 47°54'31"N, 124°38'40"W

Leach's Storm-Petrel	X	Young	pre-1897	? III	289
Leach's Storm-Petrel	10000	Cantwell	?/ ?/15	? III	52
Double-crested Cormorant	100	Cantwell	?/ ?/15	? III	52
Double-crested Cormorant	X	Nysewander	06/14/74	B III	205
Pelagic Cormorant	X	Young	06/21/1897	L III	289
Pelagic Cormorant	X	Nysewander	06/14/74	B III	205
Pelagic Cormorant	X	Hoffman	06/14/74	B III	139
Glaucous-winged Gull	X	Young	pre-1897	? III	289
Glaucous-winged Gull	X	Young	06/21/1897	? III	289
Glaucous-winged Gull	N	Cantwell	08/10/16	? III	52
Glaucous-winged Gull	X	Hoffman	06/14/74	B III	139
Common Murre	2	Albrecht	06/12/19	S -	1
Common Murre	100's	Nysewander	06/14/74	B III	205
Common Murre	100's	Hoffman	06/14/74	B III	139
Pigeon Guillemot	X	Nysewander	06/14/74	B III	205
Pigeon Guillemot	X	Hoffman	06/14/74	B III	139
Tufted Puffin	1	Anonymous	07/?/54	S -	16
Tufted Puffin	25	Kenyon &			
		Scheffer 1962	07/13/59	A III	167
Tufted Puffin	X	Cody 1973	?/ ?/68-69	B III	60

<sup>1</sup>Insufficient data to determine exact location.

(044)

"Unnamed Rock" 47°53'32"N, 124°37'46"W

No Nesting Observed	0	Speich	06/02/78	B III	255
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(045)

"Unnamed Rock" 47°53'17"N, 124°37'38"W

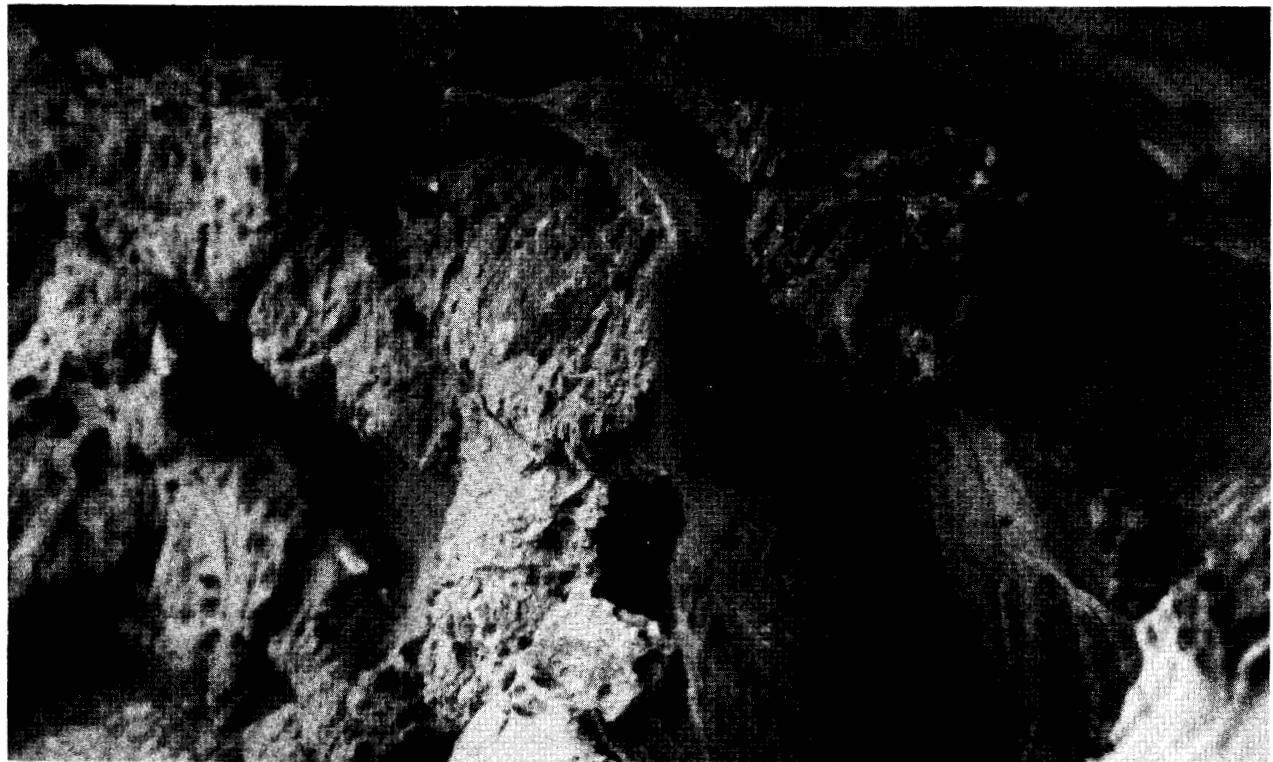
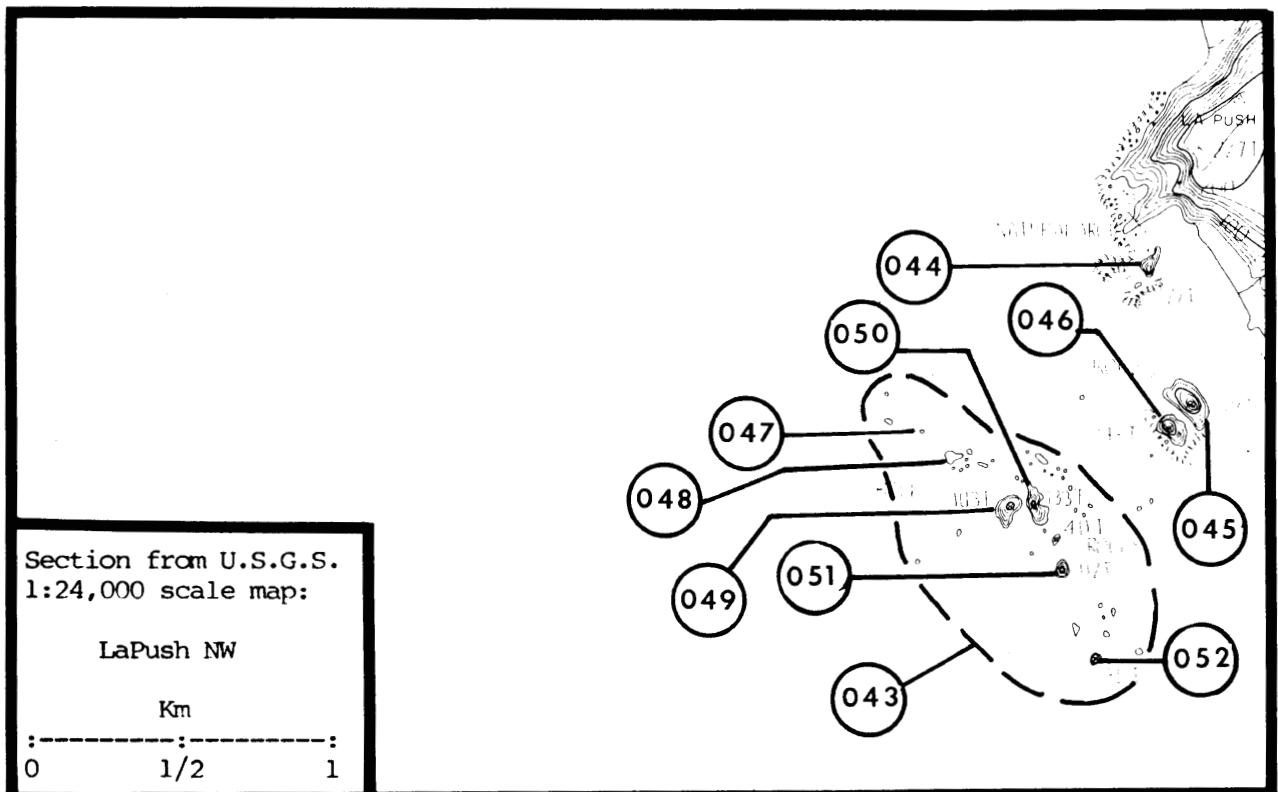
Pelagic Cormorant	4	Wilson	08/12/81	B I	287
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No Nesting Observed	0	Speich	06/01/78	B III	255
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(046)

"Unnamed Rock" 47°53'12"N, 124°37'42"W

No Nesting Observed	0	Speich	06/01/78	B III	255
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"Dhuoyautzachtahl" (174049) 26 September 1979 S.M. Speich Pelagic Cormorant

## AREA 174, Copalis Beach, North (cont'd.)

(047) "Unnamed Rock" 47°53'15"N, 124°38'35"W

No Nesting Observed 0 Speich 06/01/78 B III 255

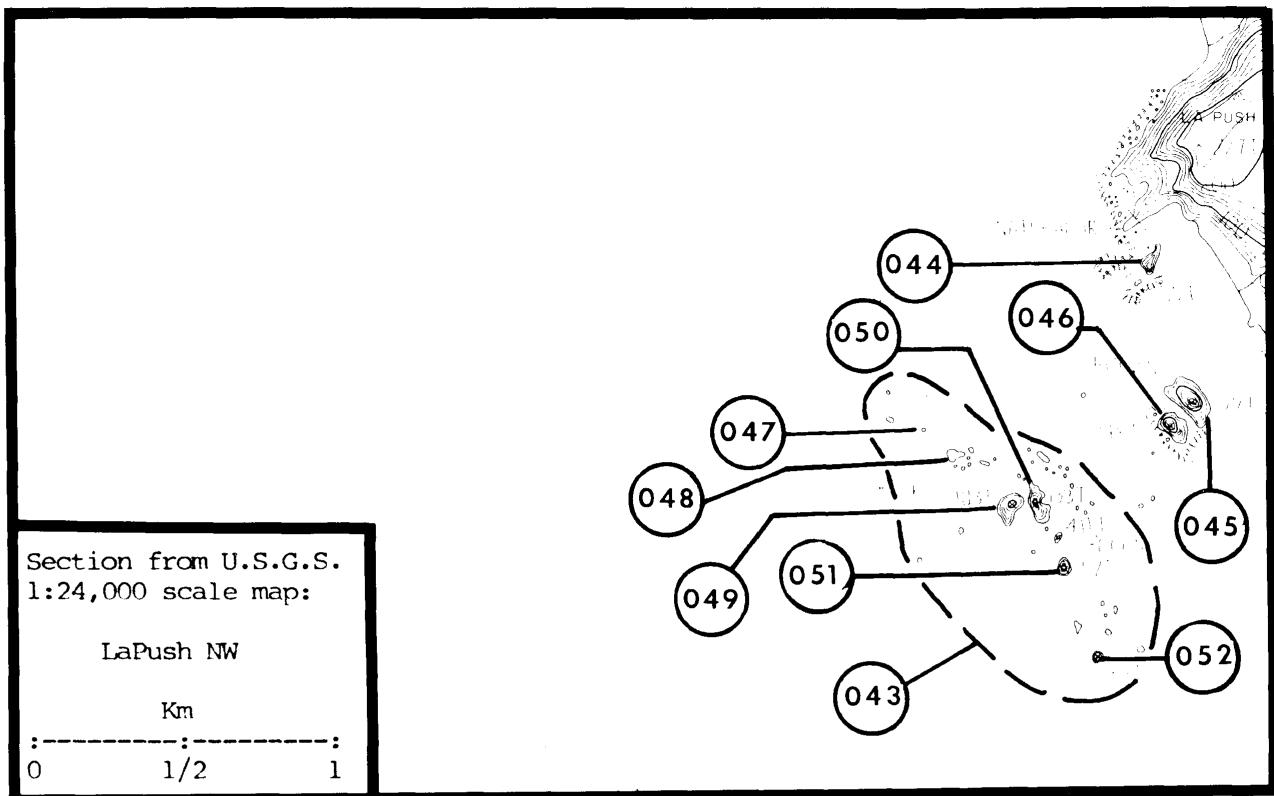
(048) "Unnamed Rock" 47°53'10"N, 124°38'16"W

Pelagic Cormorant	14	Wilson	08/12/81	B I 287
Black Oystercatcher	2	Speich	06/02/78	B III 255
Glaucous-winged Gull	2	Speich	06/02/78	B I 255
Total	18			

Pelagic Cormorant 4 Speich 06/02/78 B I 255  
Pigeon Guillemot 1? Speich 06/02/78 B III 255(049) "Dhuoyautzachtahl" (Petrel Rock; Bird Rock; Huntington Island)  
47°53'02"N, 124°38'15"W

Leach's Storm-Petrel	2600	Speich	09/26/79	L III 255
Black Oystercatcher	2	Speich	09/26/79	L I 255
Glaucous-winged Gull	200	Wilson	08/12/81	B III 287
Common Murre	630	Wilson 1980	07/02/80	A III 286
Cassin's Auklet	1000	Speich	09/26/79	L III 255
Tufted Puffin	1100	Speich	09/26/79	L III 255
Total	5532			

Leach's Storm-Petrel	100's	Dawson 1909	07/20/06	L III 70
Leach's Storm-Petrel	X	Dawson	07/20/06	L III 75
Leach's Storm-Petrel	1000's	Dawson 1909	07/23-24/06	L III 70
Leach's Storm-Petrel	10000-50000	Dawson 1908	07/23-24/06	L III 75
Leach's Storm-Petrel	40000	Dawson 1908	06-07/ ?/06-07	L III 66
Leach's Storm-Petrel	2	Jones	06/11/07	E - 166
Leach's Storm-Petrel	10	Dawson	06/11/07	E - 79
Leach's Storm-Petrel	40000	Dawson	06/11/07	L III 74;71;72
Leach's Storm-Petrel	2	Dawson	06/11/07	E - 77
Leach's Storm-Petrel	2	Dawson	06/17/07	E - 77
Leach's Storm-Petrel	4	Dawson	06/11-17/07	E - 78
Leach's Storm-Petrel	X	Dawson	06/ ?/07	L III 69
Leach's Storm-Petrel	X	Jones	06/17-18/07	L III 163
Leach's Storm-Petrel	2	Dawson	06/09/10	E - 79
Leach's Storm-Petrel	1	Lewis	07/25/13	S - 180
Leach's Storm-Petrel	1000's	Jewett et al. 1953	07/14/15	L III 158
Leach's Storm-Petrel	X	Jewett et al. 1953	05/30/16	L III 158
Leach's Storm-Petrel	100's	Alcorn & Eddy 1954	07/24-25/54	L III 9
Leach's Storm-Petrel	3	Anonymous	07/24/54	S - 16
Leach's Storm-Petrel	1	Anonymous	08/23/55	S - 16
Double-crested Cormorant	2	Albrecht	05/22/15	S - 1



Double-crested Cormorant	1	Albrecht	06/06/19	S -	1
Pelagic Cormorant	20	Dawson 1908	06-07/ ?/06-07	L III	66
Pelagic Cormorant	1	Albrecht	05/21/15	S -	1
Pelagic Cormorant	X	Jewett et al. 1953	07/20/16	L III	158
Pelagic Cormorant	X	Eddy	07/24-25/54	L III	95
Pelagic Cormorant	X	Speich	09/26/79	L III	255
Black Oystercatcher	1	Albrecht	05/21/15	S -	1
Black Oystercatcher	1	Albrecht	05/28/15	S -	1
Black Oystercatcher	4	Jewett et al. 1953	07/20/16	L III	158
Black Oystercatcher	4	Eddy	07/24-25/54	L III	95
Glaucous-winged Gull	20	Dawson 1908	06-07/ ?/06-07	L III	66
Glaucous-winged Gull	X	Dawson 1909	06/17/07	L III	70
Glaucous-winged Gull	N	Jones 1908	06/17-18/07	L I	161
Glaucous-winged Gull	X	Eddy	07/24-25/54	L III	95
Glaucous-winged Gull	40	Speich	07/22/78	B III	255
Glaucous-winged Gull	X	Speich	09/26/79	L III	255
Common Murre	X	Eddy	07/24-25/54	L III	95
Common Murre	X	Speich	07/12/78	B III	255
Common Murre	250	Speich	07/22/78	B III	255
Common Murre	580	Wilson 1980	07/05/79	A III	286
Pigeon Guillemot	2	Eddy	07/24-25/54	L III	95
Cassin's Auklet	500	Dawson 1908	06-07/ ?/06-07	L III	66
Cassin's Auklet	1000	Dawson 1909	06/17/07	L III	69
Cassin's Auklet	X	Jones 1908	06/17-18/07	L III	163
Tufted Puffin	300	Dawson 1908	06-07/ ?/06-07	L III	66
Tufted Puffin	1	Albrecht	06/08/19	S -	1

## AREA 174, Copalis Beach, North (cont'd.)

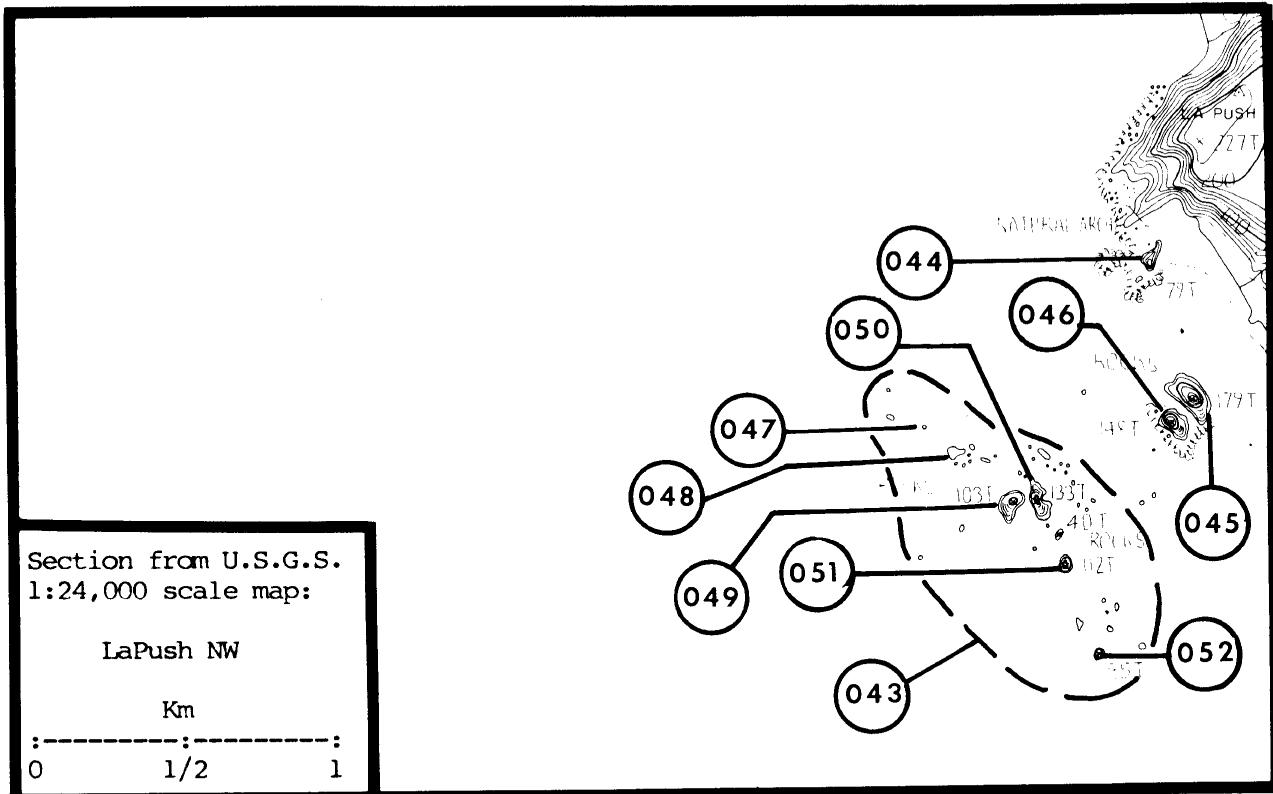
Tufted Puffin	X	Alcorn & Eddy 1954	07/24-25/54	L III	9
Tufted Puffin	X	Eddy	07/24-25/54	L III	95
Tufted Puffin	25	Wilson	08/12/81	B III	287

(050)

Cakesosta (Keeksoostahl) 47°53'02"N, 124°38'07"W

Black Oystercatcher	3	Speich	06/02/78	B III	255
Glaucous-winged Gull	119+	Wilson	07/17/82	A III	287
Common Murre	580	Wilson	07/17/82	A III	287
Pigeon Guillemot	1	Speich	06/02/78	B III	255
Tufted Puffin	125+	Wilson	08/12/81	B III	287
Total	<u>-830</u>				

Leach's Storm-Petrel	P	Speich	09/26/82	M III	255
Double-crested Cormorant	30	Speich	06/02/78	B I	255
Double-crested Cormorant	42	Speich	07/22/78	B I	255
Pelagic Cormorant	100	Dawson 1908	06-07/ ?/06-07	M III	66
Pelagic Cormorant	100	Speich	06/01/78	B II	255
Pelagic Cormorant	20	Speich	06/02/78	B I	255
Glaucous-winged Gull	200	Dawson 1908	06-07/ ?/06-07	M III	66
Glaucous-winged Gull	40	Speich	06/02/78	B III	255
Glaucous-winged Gull	50	Speich	07/22/78	B III	255
Glaucous-winged Gull	50	Wilson	08/12/81	B III	287
Common Murre	550	Speich	06/02/78	B III	255
Common Murre	200	Speich	07/12/78	B III	255
Common Murre	470	Speich	07/22/78	B III	255
Common Murre	765	Wilson 1980	07/05/79	A III	286
Common Murre	685	Wilson 1980	07/02/80	A III	286
Common Murre	50	Wilson 1980	08/12/81	B III	287
Cassin's Auklet	P	Speich	09/26/82	M III	255
Tufted Puffin	500	Dawson 1908	06-07/ ?/06-07	M III	66
Tufted Puffin	60-80	Speich	06/02/78	B III	255
Tufted Puffin	6+	Wilson	07/17/82	A III	287



Quillayute Needle (174052) June 1978 R.L. Pitman

## AREA 174, Copalis Beach, North (cont'd.)

(051)

Table Rock 47°52'52"N, 124°38'06"W

Double-crested Cormorant	64	Wilson	07/17/82	A I 287
Glaucous-winged Gull	25	Wilson	07/17/82	A III 287
Common Murre	320	Wilson	07/17/82	A III 287
Pigeon Guillemot	2	Wilson	08/12/81	B III 287
Tufted Puffin	X	Speich	06/02/78	B III 255
Total	~410			

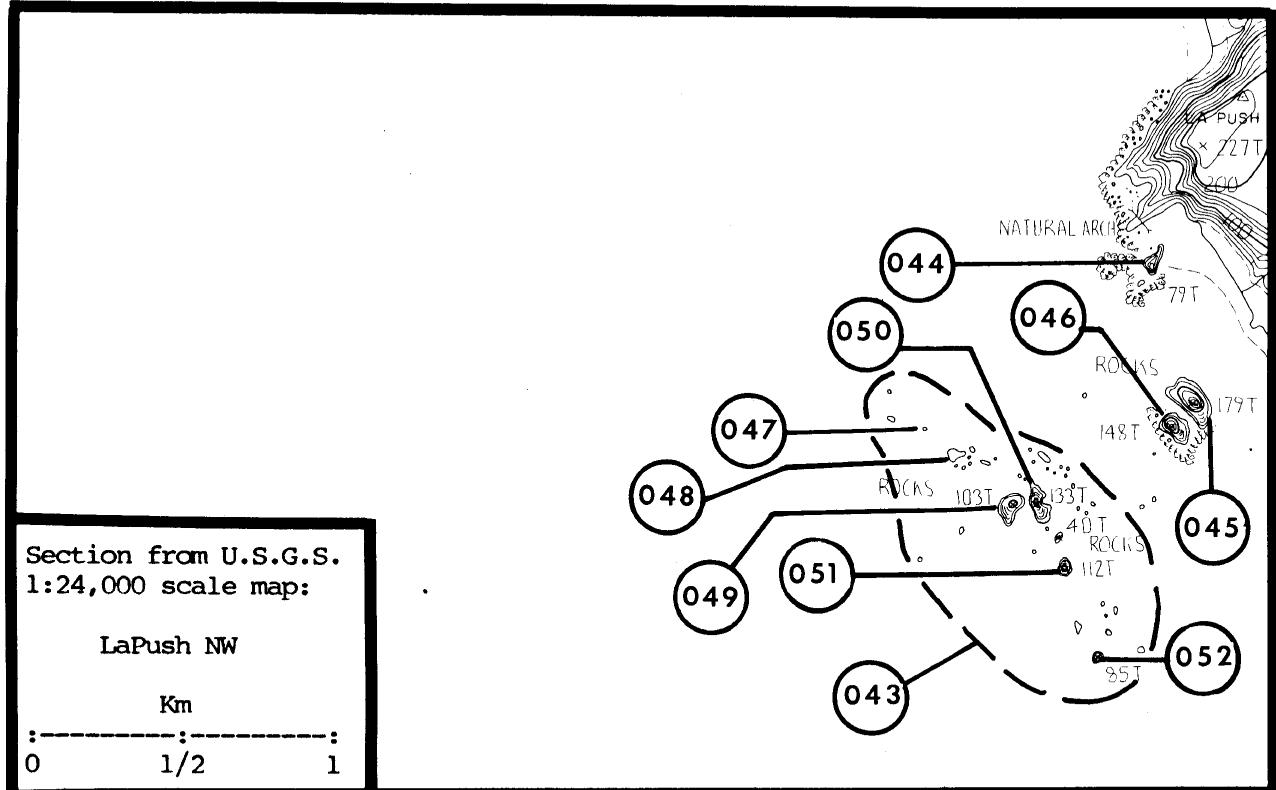
Double-crested Cormorant	X	Eddy	07/24-25/54	M III 95
Double-crested Cormorant	30	Wilson	08/12/81	B I 287
Pelagic Cormorant	18	Speich	06/02/78	B I 255
Pelagic Cormorant	62	Wilson	08/12/81	B III 287
Glaucous-winged Gull	X	Dawson 1908	06-07/12/06-07	M III 66
Glaucous-winged Gull	20	Speich	06/02/78	B III 255
Common Murre	750	Speich	06/02/78	B III 255
Common Murre	1000-1300	Speich	07/12/78	B III 255
Common Murre	670	Speich	07/22/78	B III 255
Common Murre	250+	Wilson	08/12/81	B III 287
Pigeon Guillemot	2	Speich	06/02/78	B III 255

(052)

Quillayute Needle 47°52'50"N, 124°37'59"W

Black Oystercatcher	1	Speich	06/02/78	B III 255
Common Murre	275	Wilson 1980	07/02/80	A III 286
Total	276			

Common Murre	35	Speich	06/02/78	B III 255
Common Murre	210	Wilson 1980	07/05/79	A III 286



Perkins Reef (174011) 15 July 1966 R. Glahn

AREA 174, Copalis Beach, North (cont'd.)

(053) "Unnamed Rocks" 47°52'35"N, 124°36'34"W

Glaucous-winged Gull	1?	Speich	06/01/78	B III 255
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(054) "Unnamed Rock" 47°52'20"N, 124°36'39"W

Black Oystercatcher	2	Speich	06/01/78	B III 255
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(055) "Unnamed Rock" 47°52'15"N, 124°36'18"W

Black Oystercatcher	1	Speich	06/01/78	B III 255
Pigeon Guillemot	1?	Speich	06/01/78	B III 255

(056) "Unnamed Rock" 47°52'22"N, 124°36'06"W

No Nesting Observed	0	Speich	06/01/78	B III 255
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(057) "Unnamed Rock" 47°52'20"N, 124°36'00"W

Black Oystercatcher	1	Speich	06/01/78	B III 255
Pigeon Guillemot	1?	Speich	06/01/78	B III 255
Total	2			

(058) "Unnamed Rock" 47°52'27"N, 124°35'50"W

No Nesting Observed	0	Speich	06/01/78	B III 255
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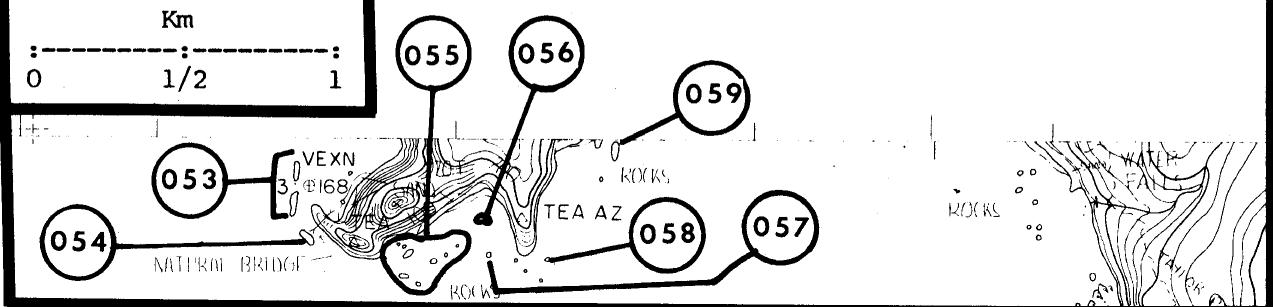
(059) "Unnamed Rock" 47°52'32"N, 124°35'44"W

No Nesting Observed	0	Speich	06/01/78	B III 255
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Section from U.S.G.S.  
1:24,000 scale map:

LaPush SE

Km  
0 1/2 1



Rounded Island (174007) 15 July 1966 R. Glahn

AREA 174, Copalis Beach, North (cont'd.)

(060)

"Unnamed Rock" 47°52'05"N, 124°34'18"W

No Nesting Observed	0	Speich	06/01/78	B III 255
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(061)

"Unnamed Rock" 47°51'58"N, 124°34'09"W

Pelagic Cormorant	16	Speich	06/01/78	B I 255
Black Oystercatcher	3	Speich	06/01/78	B III 255
Glaucous-winged Gull	3?	Speich	06/01/78	B III 255
Total	<u>22</u>			

(062)

"Unnamed Rock" 47°51'40"N, 124°33'43"W

No Nesting Observed	0	Wilson	06/16/81	B III 287
Black Oystercatcher	3	Speich	06/01/78	B III 255
Pigeon Guillemot	1?	Speich	06/01/78	B III 255

(063)

"Ghost Rock" 47°51'22"N, 124°34'05"W

Glaucous-winged Gull	5	Wilson	06/16/81	B III 287
Pigeon Guillemot	1?	Speich	06/01/78	B III 255
Tufted Puffin	25	Wilson	06/16/81	B III 287
Total	<u>30</u>			

Double-crested Cormorant	50	Dawson 1908	06-07/ ?/06-07	B III 66
Pelagic Cormorant	100	Dawson 1908	06-07/ ?/06-07	B III 66

(064)

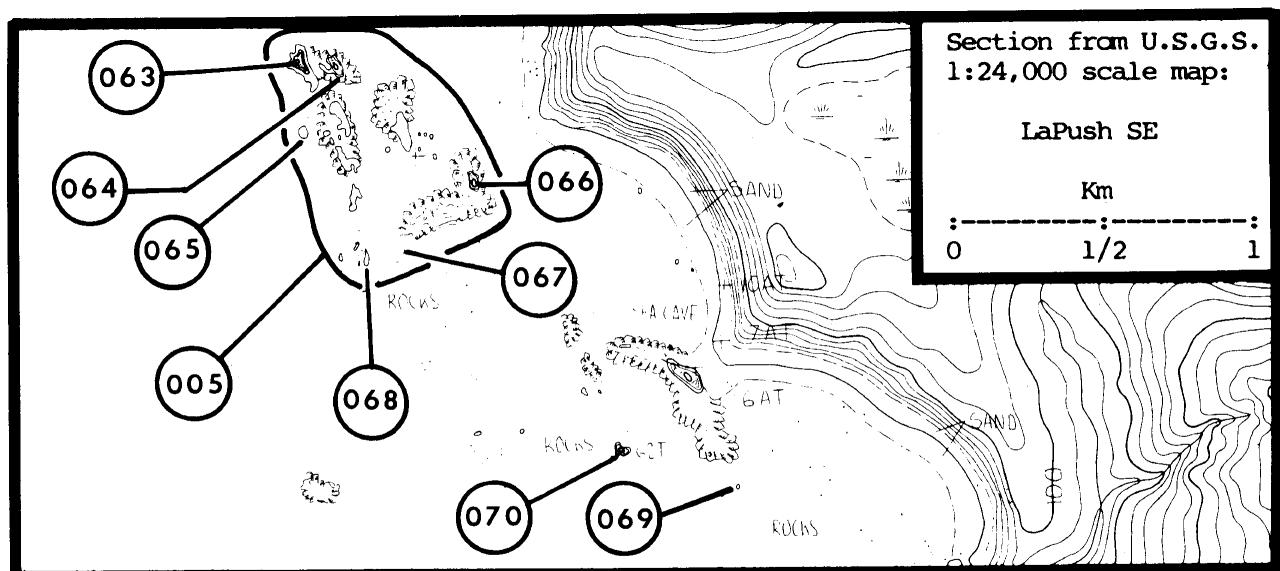
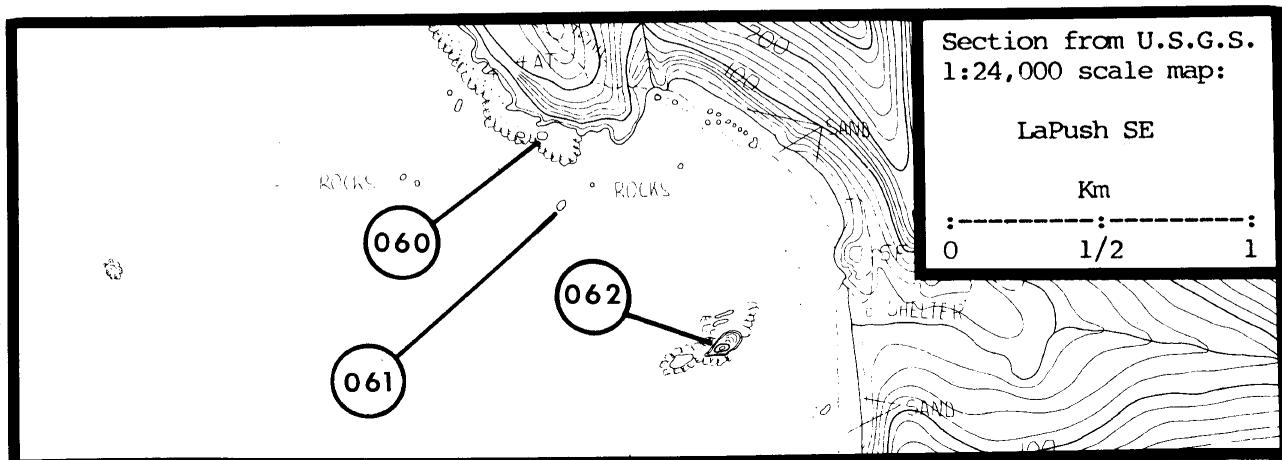
"Unnamed Rock" 47°51'22"N, 124°34'00"W

Pigeon Guillemot	3	Speich	06/01/78	B III 255
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(065)

"Unnamed Rock" 47°51'15"N, 124°34'03"W

Pelagic Cormorant	64	Wilson	06/16/81	B I 287
Black Oystercatcher	2	Speich	06/01/78	B III 255



066

"Unnamed Rock" 47°51'11"N, 124°33'41"W

Pelagic Cormorant	54	Wilson	06/16/81	B I 287
Black Oystercatcher	2	Speich	06/01/78	B III 255

067

"Unnamed Rock" 47°51'02"N, 124°33'47"W

Pelagic Cormorant	3	Wilson	06/16/81	B I 287
Black Oystercatcher	1	Speich	06/01/78	B III 255
Total	4			

Pelagic Cormorant

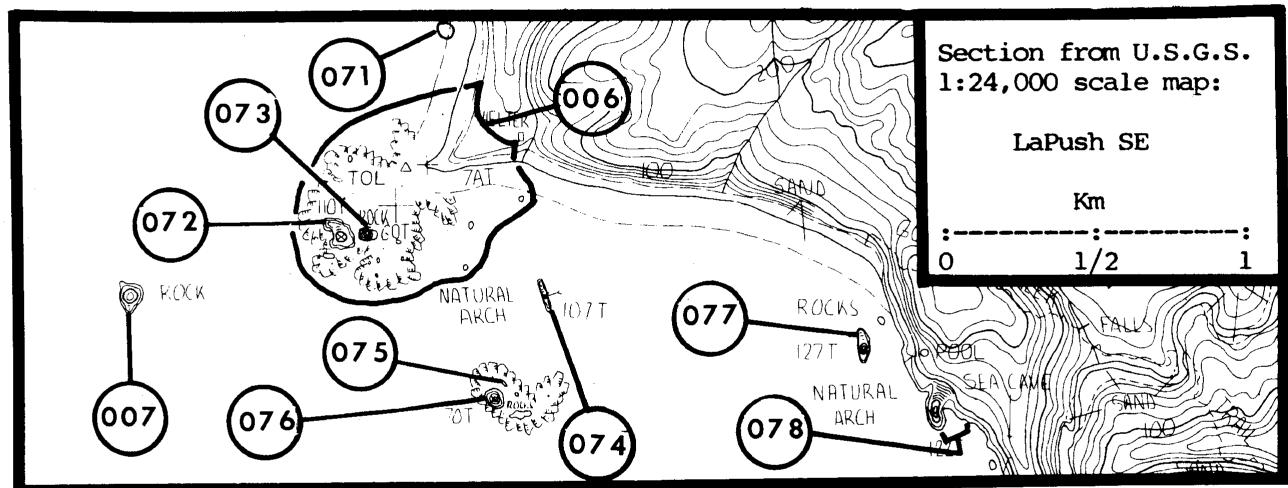
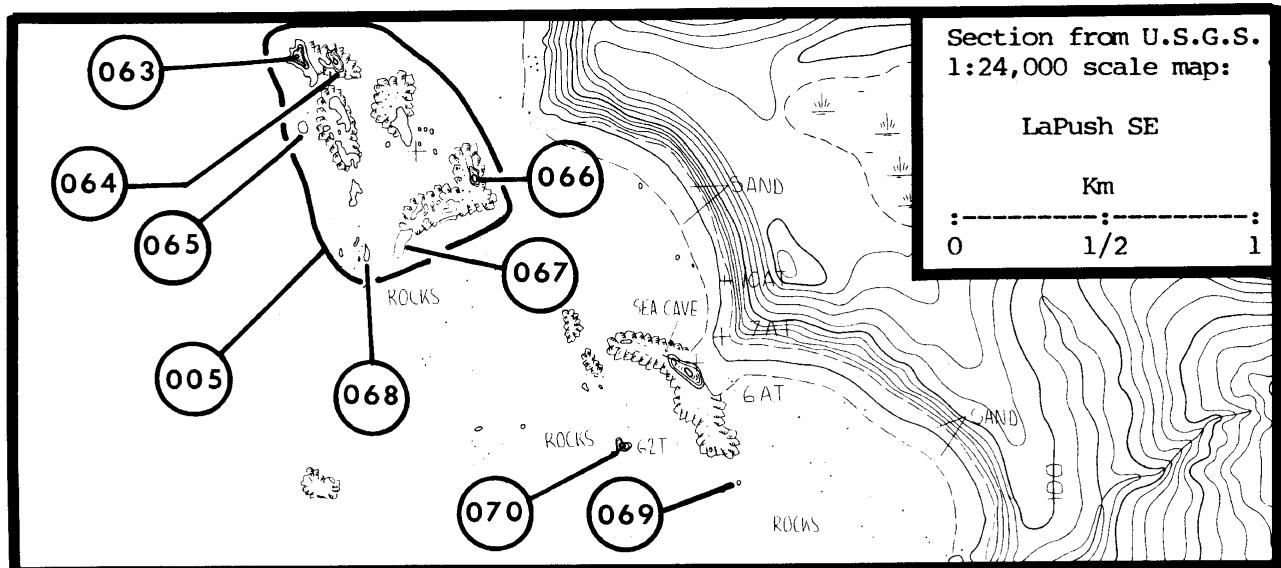
6? Speich

06/01/78

B I 255

AREA 174, Copalis Beach, North (cont'd.)

(068)	"Unnamed Rock"	47°51'02"N, 124°33'57"W		
Pelagic Cormorant	10	Speich	06/01/78	B I 255
(069)	"Unnamed Rock"	47°50'39"N, 124°32'52"W		
Pigeon Guillemot	7	Speich	06/02/78	B III 255
(070)	"Unnamed Rock"	47°50'40"N, 124°33'13"W		
Pigeon Guillemot	5	Speich	06/01/78	B III 255
(071)	"Unnamed Rock"	47°50'22"N, 124°32'20"W		
No Nesting Observed	0	Speich	06/02/78	B III 255
(072)	"Unnamed Rock"	47°50'00"N, 124°32'41"W		
No Nesting Observed	0	Speich	06/02/78	B III 255
(073)	"Unnamed Rock"	47°49'58"N, 124°32'30"W		
No Nesting Observed	0	Speich	06/02/78	B III 255
(074)	"Unnamed Rock"	47°49'57"N, 124°32'02"W		
Pelagic Cormorant	12	Speich	06/02/78	B I 255
Black Oystercatcher	2	Speich	06/02/78	B III 255
Pigeon Guillemot	9	Speich	06/02/78	B III 255
Total	23			



075

"Unnamed Rock" 47°49'49"N, 124°32'12"W

## Pelagic Cormorant

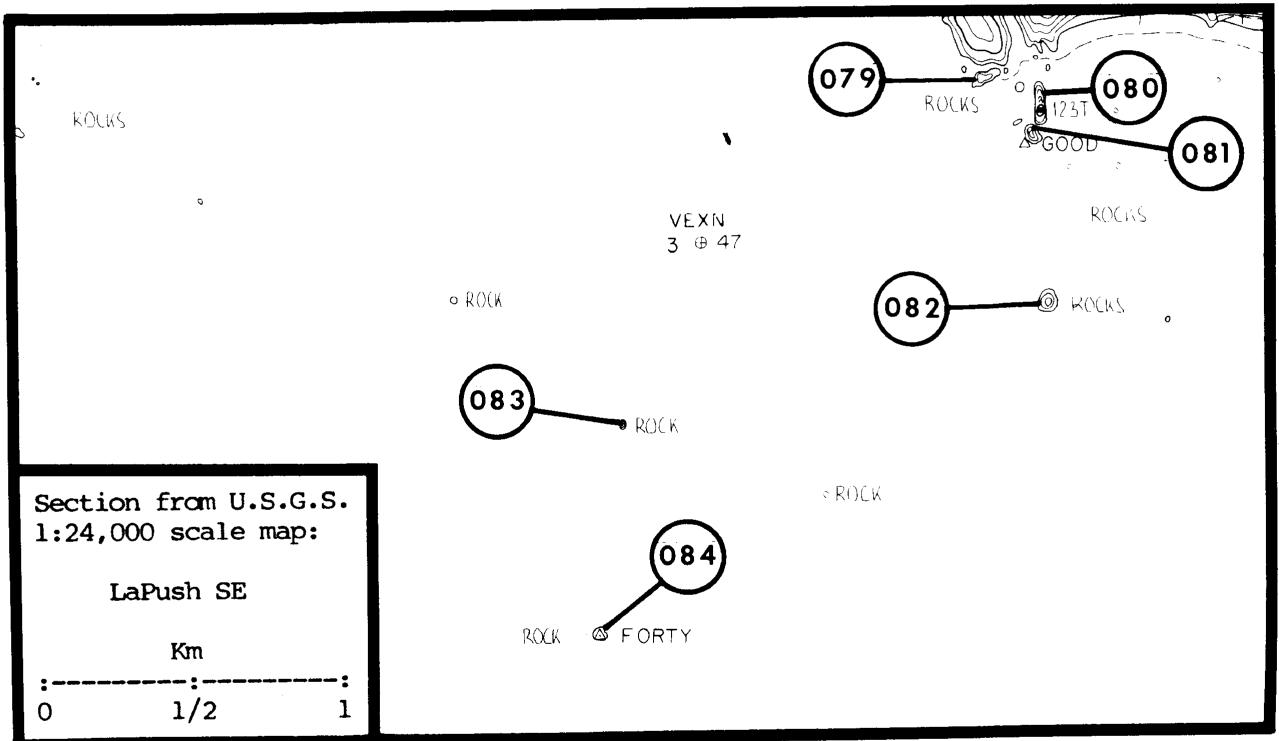
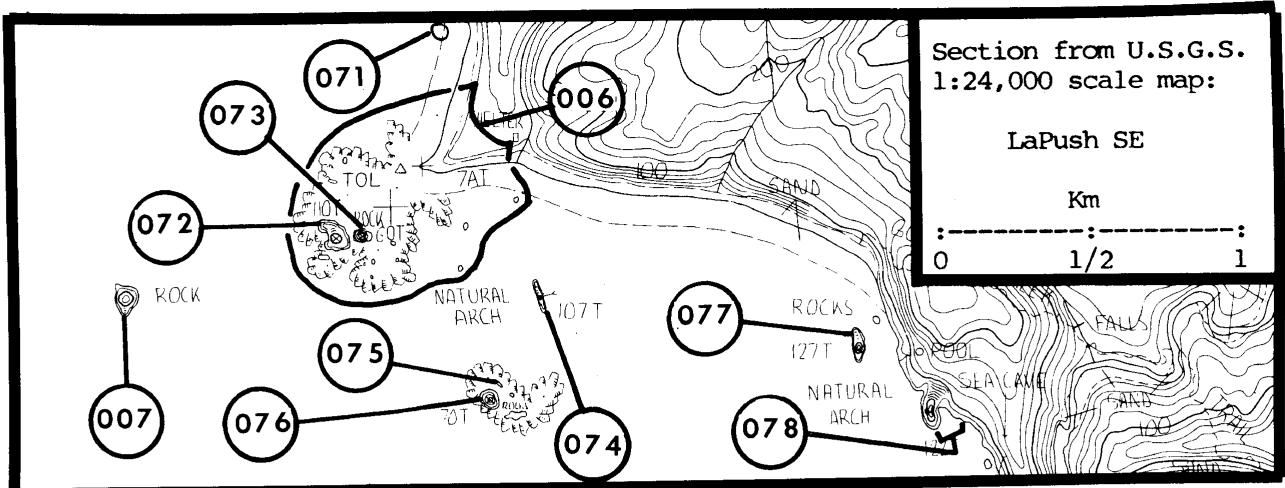
6 Speich

06/02/78

B I 255

AREA 174, Copalis Beach, North (cont'd.)

(076)	"Unnamed Rock"	47°49'48"N, 124°32'12"W		
Pelagic Cormorant	12	Speich	06/02/78	B I 255
Black Oystercatcher	1	Speich	06/02/78	B III 255
Total	13			
(077)	"Unnamed Rock"	47°49'44"N, 124°31'03"W		
No Nesting Observed	0	Speich	06/02/78	B III 255
(078)	"Mainland Cave"	47°49'38"N, 124°30'52"W		
Pelagic Cormorant	8	Speich	06/02/78	B I 255
(079)	"Unnamed Rock"	47°49'20"N, 124°30'48"W		
Black Oystercatcher	4	Speich	06/02/78	B III 255
(080)	"Unnamed Rock"	47°49'18"N, 124°30'40"W		
Pelagic Cormorant	112	Wilson	06/16/81	B I 287
(081)	"Unnamed Rock"	47°49'13"N, 124°30'42"W		
Pelagic Cormorant	82	Wilson	06/16/81	B I 287
No Nesting Observed	0	Speich	06/01/78	B III 255



AREA 174, Copalis Beach, North (cont'd.)

(082)

"Half Round Rock" 47°48'56"N, 124°30'29"W

Double-crested Cormorant	20	Wilson	06/16/81	B I 287
Pelagic Cormorant	16	Wilson	06/16/81	B I 287
Common Murre	250+	Wilson	06/16/81	B III 287
Tufted Puffin	2+	Wilson	06/16/81	B III 287
Total	288+			

Pelagic Cormorant	212	Speich	06/02/78	B I 255
Black Oystercatcher	1	Hoffman	06/14/74	B III 139
Glaucous-winged Gull	40	Hoffman	06/14/74	B III 139
Glaucous-winged Gull	30	Speich	06/02/78	B II 255
Tufted Puffin	1	Hoffman	06/14/74	B III 139
Tufted Puffin	20	Speich	06/02/78	B III 255

(083)

Half Round Rock, Outer 47°48'44"N, 124°31'45"W

Double-crested Cormorant	42	Speich	06/12/79	B I 255
Pelagic Cormorant	276	Speich	06/12/79	B I 255
Black Oystercatcher	1	Speich	06/12/79	B III 255
Glaucous-winged Gull	25	Speich	06/12/79	B III 255
Total	344			

Pelagic Cormorant	60	Hoffman; Nysewander	06/14/74	B III 139;205
Black Oystercatcher	2	Hoffman; Nysewander	06/14/74	B III 139;205
Glaucous-winged Gull	35	Hoffman; Nysewander	06/14/74	B III 139;205
Glaucous-winged Gull	20-30	Speich	06/02/78	B III 255

(084)

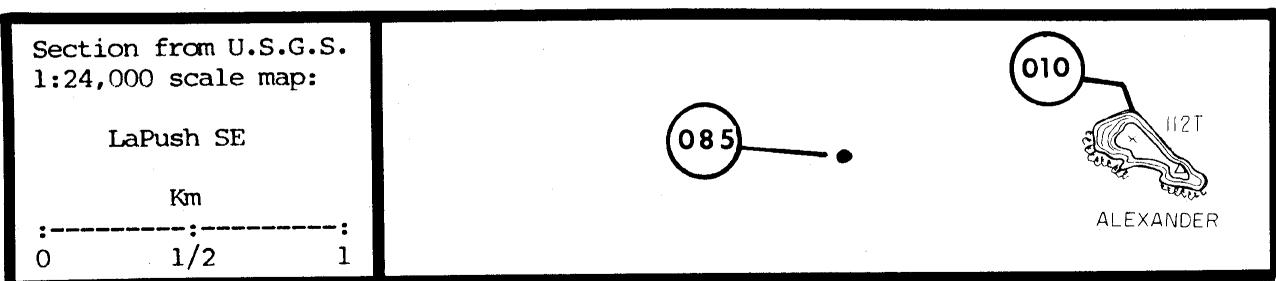
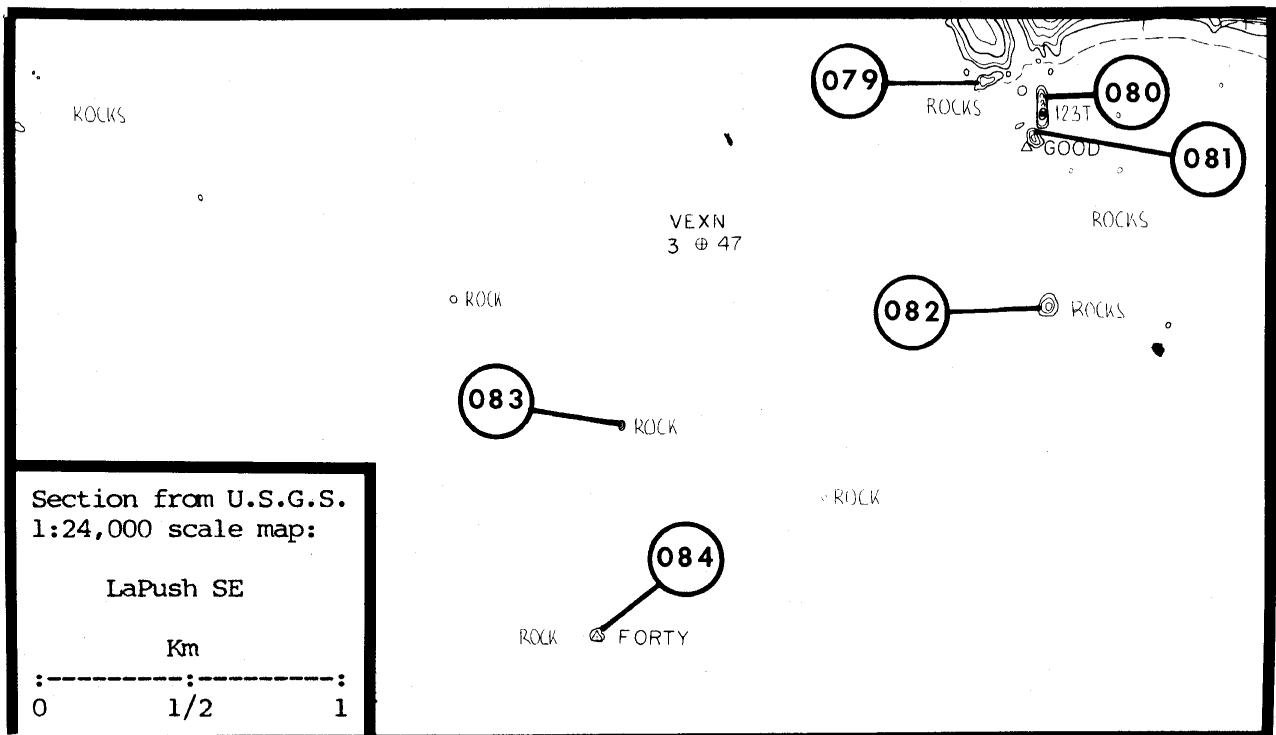
"Unnamed Rock" 47°48'23"N, 124°31'46"W

No Nesting Observed	0	Speich	06/02/78	B III 255
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(085)

"Unnamed Rock" 47°47'55"N, 124°31'00"W

Black Oystercatcher	1	Speich	06/02/78	B III 255
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AREA 174, Copalis Beach, North (cont'd.)

086

"Unnamed Rock" 47°47'32"N, 124°28'52"W

No Nesting Observed

0 Pitman

07/12/78

B III 217



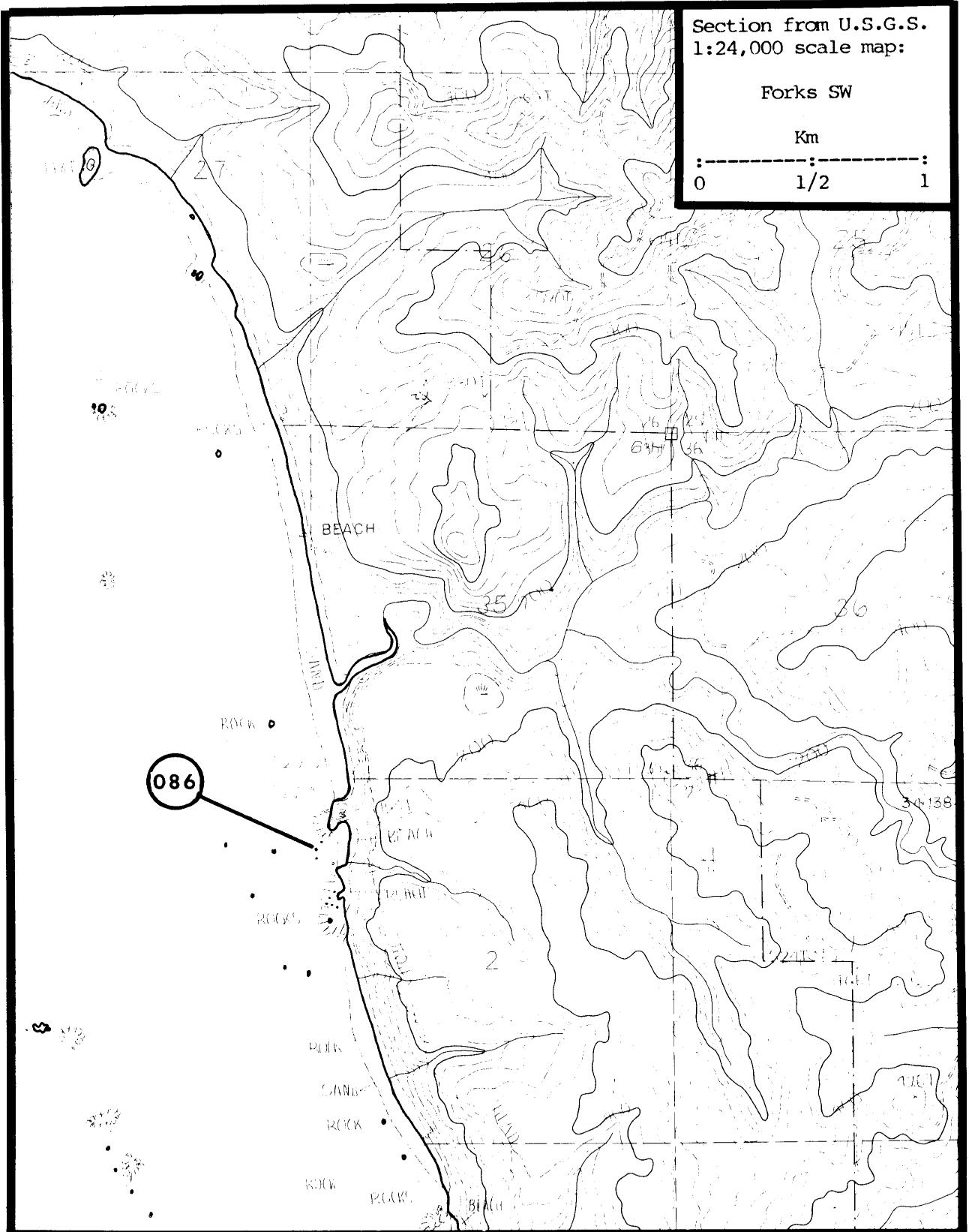
Quillayute Needle (174052) June 1978 S.M. Speich

Section from U.S.G.S.  
1:24,000 scale map:

Forks SW

Km

0 1/2 1



AREA 174, Copalis Beach, North (cont'd.)

(087)

"Unnamed Rock" 47°46'17"N, 124°28'27"W

No Nesting Observed

0 Speich

06/12/79

B III 255

(088)

Hoh Head 47°46'12"N, 124°28'30"W

Black Oystercatcher	1	Speich	06/12/79	B III 255
Pelagic Cormorant	20	Pitman	07/12/78	B III 217
Black Oystercatcher	2	Nysewander 1977	07/30/74	L III 204

(089)

Jefferson Cove, mainland cliffs 47°45'55"N, 124°27'30"W

Pelagic Cormorant

114 Speich

06/12/79

B I 255

(090)

"Unnamed Rock" 47°45'15"N, 124°27'15"W

Black Oystercatcher

2 Speich

06/11/79

B III 255

(091)

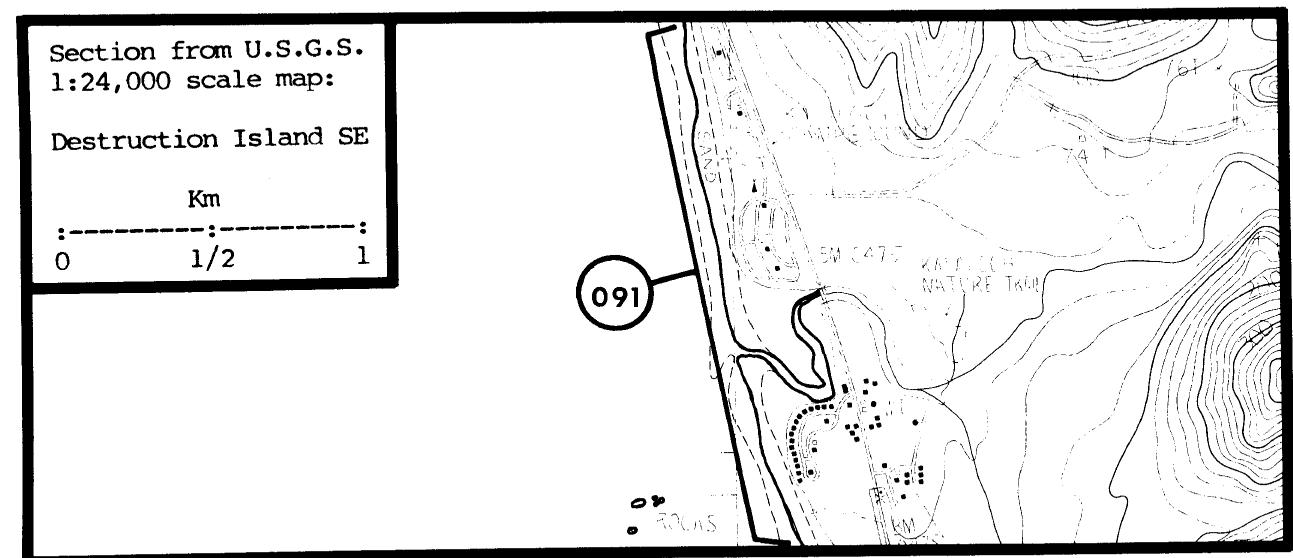
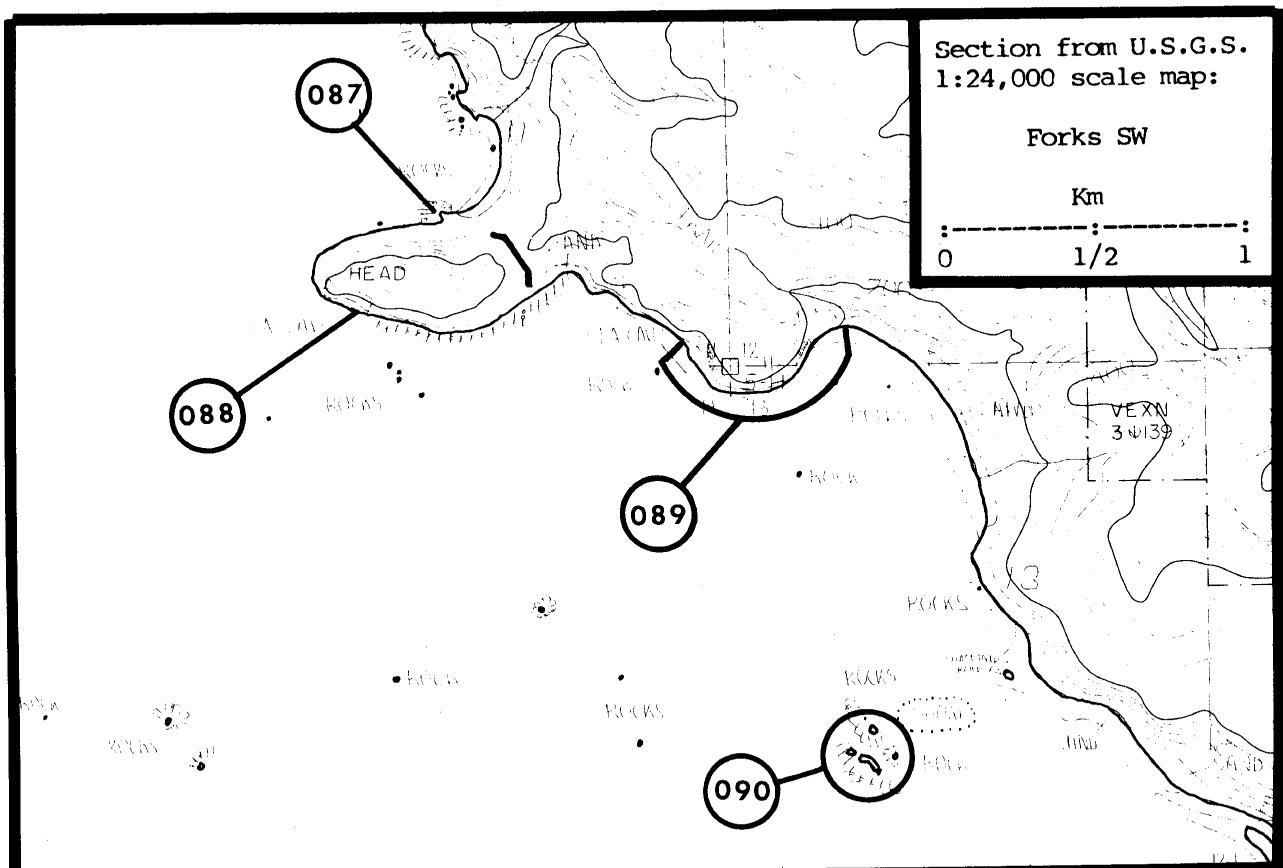
Kalaloch, mainland 47°36'30"N, 124°22'25"W

Black Oystercatcher

2 Nysewander 1977

08/03/74

L III 204



AREA 174, Copalis Beach, North (cont'd.)

(092)

Tunnel Island  $47^{\circ}27'50"N, 124^{\circ}20'40"W$

Double-crested Cormorant	48	Speich	06/12/79	B I 255
Pelagic Cormorant	62	Speich	06/12/79	B I 255
Total	110			

(093)

Sea Lion Rock  $47^{\circ}27'03"N, 124^{\circ}24'15"W$

No Nesting Observed	0	Wilson	07/17/82	A III 287
No Nesting Observed	0	Wilson	07/20/81	A III 287

(094)

Hogsback  $47^{\circ}26'49"N, 124^{\circ}20'31"W$

No Nesting Observed	0	Speich	06/12/79	B III 255
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(095)

Hogsback, Little  $47^{\circ}26'16"N, 124^{\circ}20'30"W$

No Nesting Observed	0	Speich	06/12/79	B III 255
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(096)

"Unnamed Rock"  $47^{\circ}26'14"N, 124^{\circ}20'29"W$

No Nesting Observed	0	Speich	06/12/79	B III 255
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Section from U.S.G.S.  
1:24,000 scale map:

Taholah NE

Km

0 1/2 1

39112

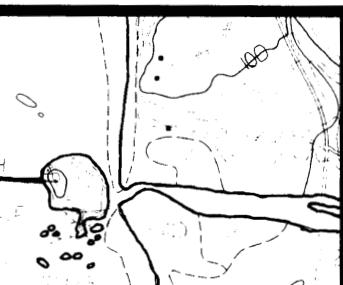
092

ARCH

500 ft. L.E.

100 ft. H.

44 km



Section from U.S.G.S.  
1:62,500 scale map:

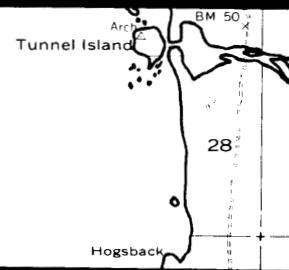
Taholah

Km

0 1/2 1

093

Sea Lion Rock



Section from U.S.G.S.  
1:24,000 scale map:

Taholah NE

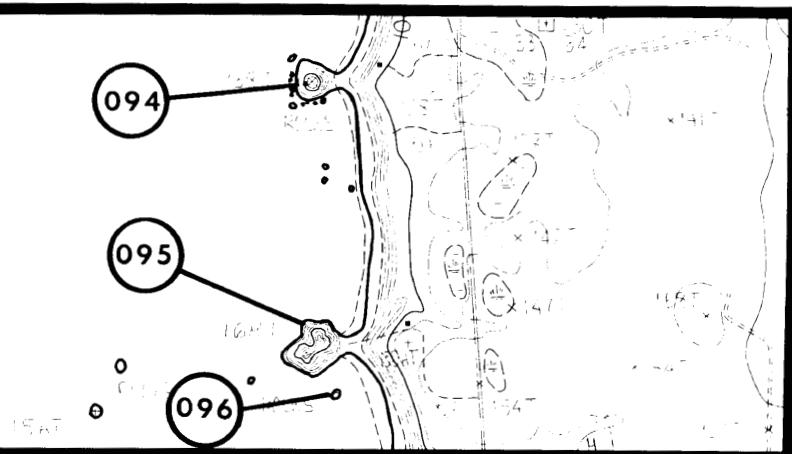
Km

0 1/2 1

094

095

096



AREA 174, Copalis Beach, North (cont'd.)

(097)

"Unnamed Rock" 47°23'55"N, 124°21'45"W

No Nesting Observed	0	Wilson	07/17/82	A	I	287
Brandt's Cormorant	20	Wilson	06/17/81	B	I	287
No Nesting Observed	0	Wilson	07/20/81	A	I	287

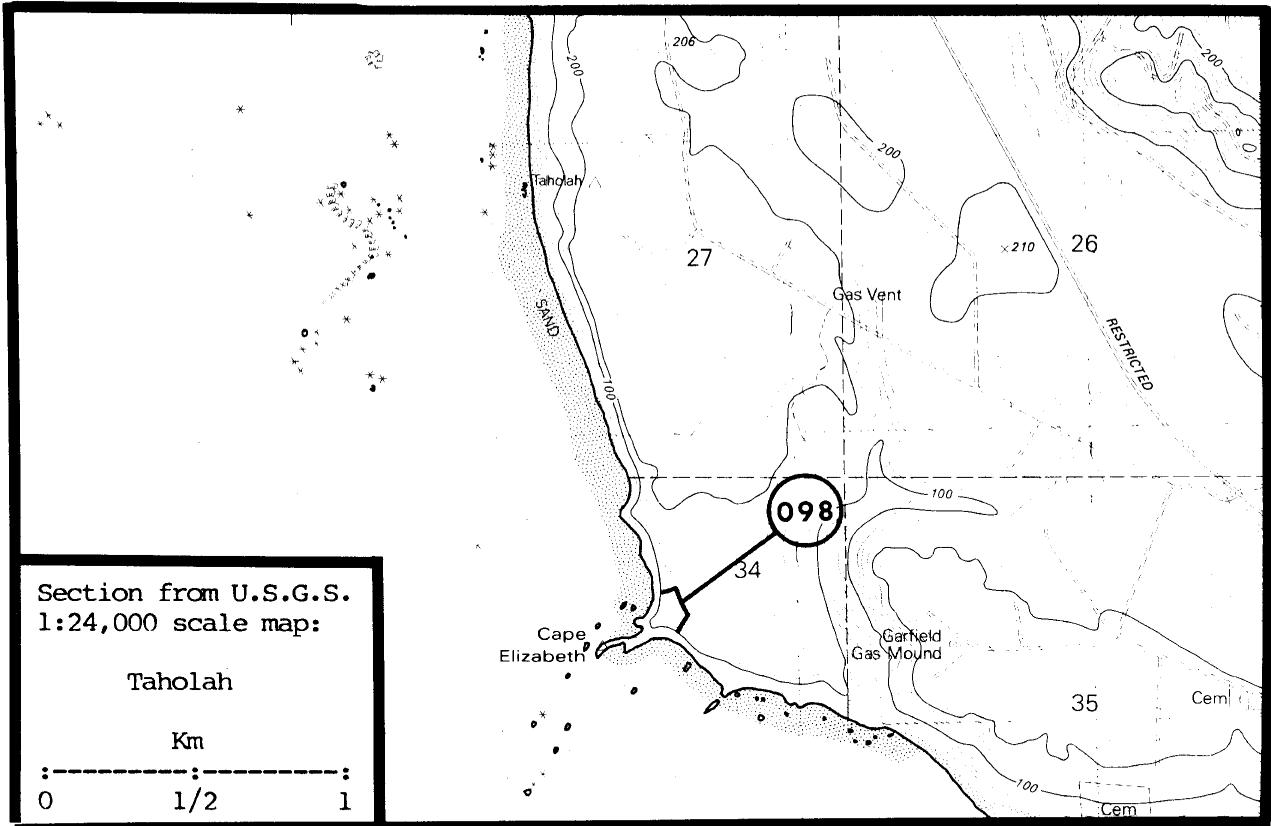
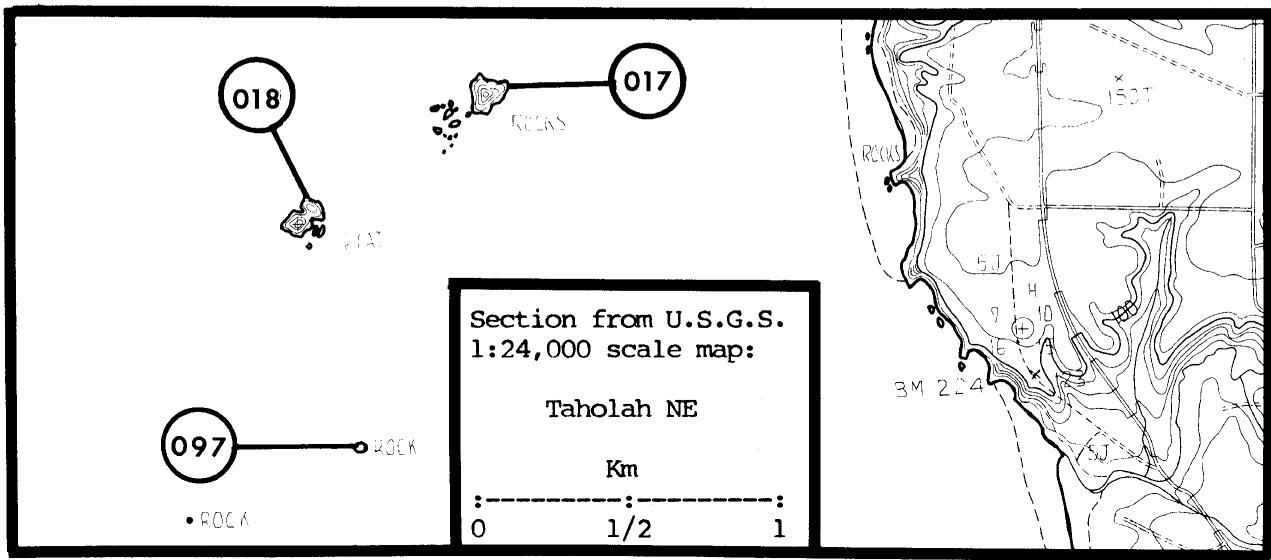
(098)

Cape Elizabeth 47°21'22"N, 124°19'04"W

No Nesting Observed	0	Speich	08/19/78	L	III	255
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Split Rock (174018), front; Willoughby Rock (174017) July 1959 V.B. Scheffer



## AREA 174, Copalis Beach, North (cont'd.)

(099)

Pt. Grenville, mainland cliffs 47°18'18"N, 124°16'07"W

Pelagic Cormorant	50	Speich	06/12/79	B II 255
Pigeon Guillemot	X	Speich	06/12/79	B III 255
Total	50+			

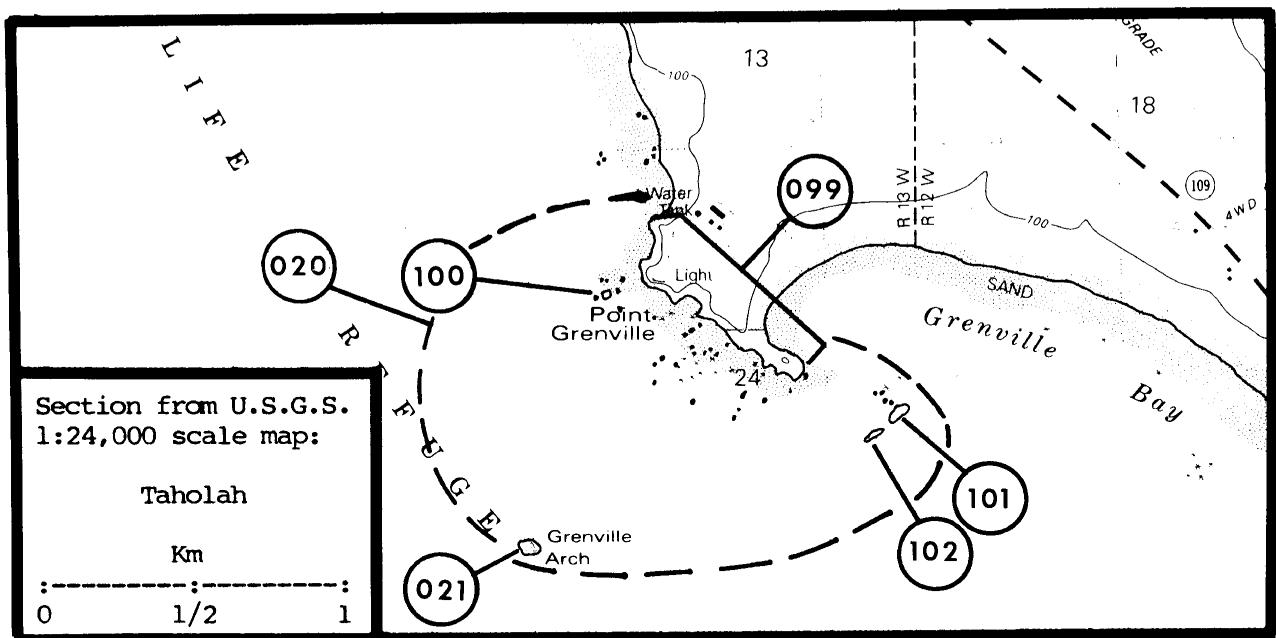
Pelagic Cormorant	24	Speich	08/19/78	L III 255
Tufted Puffin	X	Fletcher	Pre-1921	B III 105
Tufted Puffin	10-12?	Smith	05/10/80	M III 254

(100)

"Grenville Pillar" (Tower Rock) 47°18'08"N, 124°16'45"W

Double-crested Cormorant	6	Wilson	07/17/82	A I 287
Common Murre	1115	Wilson	07/17/82	A III 287
Glaucous-winged Gull	19	Speich	08/19/78	M III 255
Tufted Puffin	3	Harrington-Tweit	05/11/80	M III 124
Total	1143			

Double-crested Cormorant	100	Dawson 1908	06-07/ ?/06-07	B III 66
Double-crested Cormorant	32	Speich	08/19/78	M II 255
Double-crested Cormorant	40	Speich	06/12/79	B II 255
Double-crested Cormorant	12+	Harrington-Tweit	05/11/80	M III 124
Double-crested Cormorant	100	Wilson	08/14/81	B II 287
Brandt's Cormorant (Large Cormorant)	100	Dawson 1908	06-07/ ?/06-07	B III 66
	50	Frazer 1973	08/24/73	M III 108
Pelagic Cormorant	14	Frazer 1973	08/24/73	M III 108
Pelagic Cormorant	12	Speich	08/19/78	M III 255
Pelagic Cormorant	22	Speich	06/12/79	B II 255
Black Oystercatcher	2	Dawson 1908	06-07/ ?/06-07	B III 66
Common Murre	500	Dawson 1908	06-07/ ?/06-07	B III 66
Common Murre	80	Frazer 1973	08/24/73	M III 108
Common Murre	X	Speich	08/19/78	M III 255
Common Murre	230	Speich	06/12/79	B III 255
Common Murre	1550	Wilson 1980	07/05/79	A III 286
Common Murre	1690	Wilson 1980	07/02/80	A III 286
Common Murre	1200	Wilson	08/14/81	B III 287
Glaucous-winged Gull	40	Dawson 1908	06-07/ ?/06-07	B III 66
Glaucous-winged Gull	40	Frazer 1973	08/24/73	M III 108
Tufted Puffin	?	Dawson 1908	06-07/ ?/06-07	M III 66



## AREA 174, Copalis Beach, North (cont'd.)

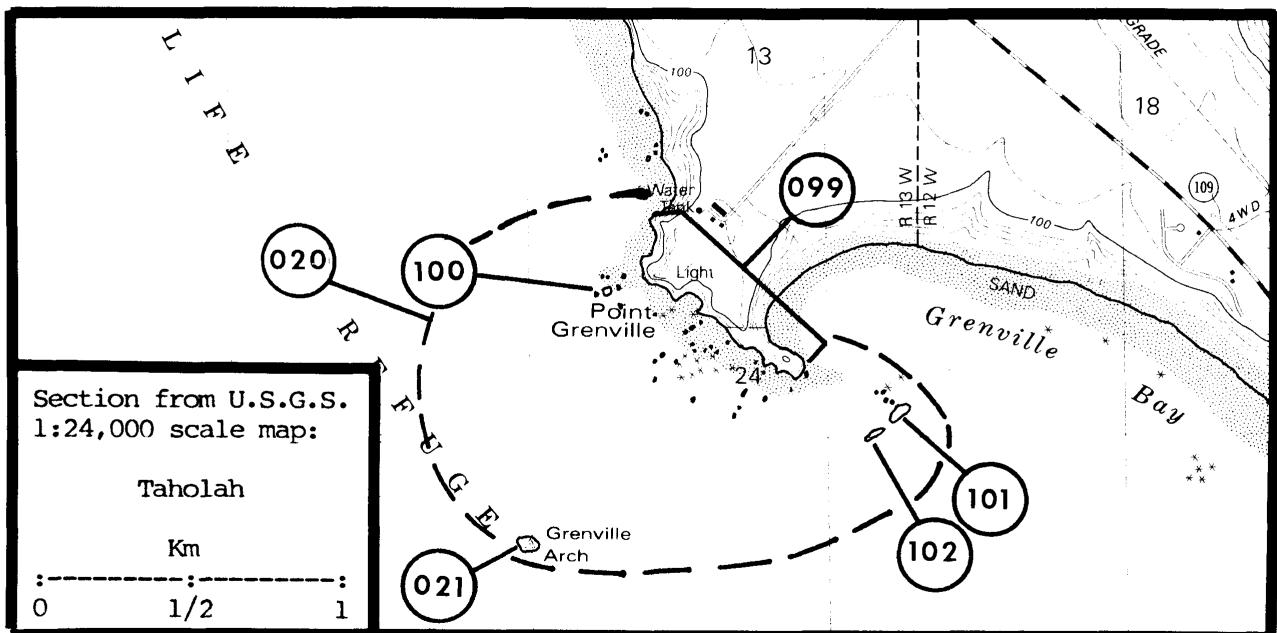
(101)

"Puffin Rock" (Erin) 47°18'01"N, 124°16'00"W

Double-crested Cormorant	52	Wilson	07/17/82	A	II	287
Pelagic Cormorant	70	Wilson	08/14/81	B	I	287
Black Oystercatcher	2	Speich	06/12/79	B	III	255
Glaucous-winged Gull	10	Wilson	07/17/82	A	III	287
Common Murre	1735	Wilson	07/17/82	A	III	287
Pigeon Guillemot	10	Speich	06/12/79	B	III	255
Tufted Puffin	15	Wilson	07/17/82	A	III	287
Total	<u>1894</u>					

## Leach's Storm-Petrel

10000-25000	Dawson 1908	06-07/ ?/06-07	L	III	66
Double-crested Cormorant	2 Frazer 1973	08/24/73	M	III	108
Double-crested Cormorant	58 Speich	08/19/78	M	I	255
Double-crested Cormorant	46 Speich	06/12/79	B	I	255
Double-crested Cormorant	30+ Harrington-Tweit	05/11/80	M	III	124
Pelagic Cormorant	50 Dawson 1908	06-07/ ?/06/07	L	III	66
Pelagic Cormorant	30 Speich	08/19/78	M	III	255
Pelagic Cormorant	34 Speich	06/12/79	B	I	255
Glaucous-winged Gull	18? Speich	08/19/78	M	III	255
Glaucous-winged Gull	24 Speich	06/12/79	B	III	255
Common Murre	20 Dawson 1908	06/07/ ?/06/07	L	III	66
Common Murre	480 Frazer 1973	08/24/73	M	III	108
Common Murre	35 Speich	06/12/79	B	III	255
Common Murre	1576 Wilson 1980	07/05/79	A	III	286
Common Murre	1177 Wilson 1980	07/02/80	A	III	286
Common Murre	200 Wilson	08/14/81	B	III	287
Pigeon Guillemot	1 Speich	08/19/78	M	III	255
Tufted Puffin	2000 Dawson 1908	06-07/ ?/06-07	L	III	66
Tufted Puffin	98 Frazer 1973	08/24/73	M	III	108
Tufted Puffin	X Hunn	05/16/76	M	III	150
Tufted Puffin	16 Harrington-Tweit	06/25/78	M	III	124
Tufted Puffin	200 Speich	08/19/78	M	III	255
Tufted Puffin	42 Speich	06/12/79	B	III	255
Tufted Puffin	62 Harrington-Tweit	05/11/80	M	III	124
Tufted Puffin	50 Wilson	08/14/81	B	III	287



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"Erin's Bride" 47°17'57"N, 124°16'01"W

Double-crested Cormorant	62	Wilson	07/17/82	A	I	287
Pelagic Cormorant	64	Wilson	07/17/82	A	I	287
Black Oystercatcher	2	Wilson	08/14/81	B	III	287
Glaucous-winged Gull	5	Wilson	07/17/82	A	III	287
Common Murre	790	Wilson	07/17/82	A	III	287
Tufted Puffin	16+	Harrington-Tweit	06/25/78	M	III	124
Total	<u>-930</u>					

Double-crested Cormorant	100	Dawson 1908	06/07/ ?/06-07	B	III	66
Double-crested Cormorant	6	Speich	08/19/78	M	II	255
Double-crested Cormorant	32	Speich	06/12/79	B	I	255
Double-crested Cormorant	6+	Harrington-Tweit	05/11/80	M	III	124
Double-crested Cormorant	20	Wilson	08/14/81	B	I	287
Pelagic Cormorant	100	Dawson 1908	06/07/ ?/06/07	B	III	66
Pelagic Cormorant	52	Speich	08/19/78	M	III	255
Pelagic Cormorant	62	Speich	06/12/79	B	I	255
Pelagic Cormorant	50	Wilson	08/14/81	B	I	287
Black Oystercatcher	2	Speich	06/12/79	B	III	255
Glaucous-winged Gull	50	Dawson 1908	06/07/ ?/06/07	B	III	66
Glaucous-winged Gull	7?	Speich	08/19/78	M	III	255
Glaucous-winged Gull	12	Speich	06/12/78	B	III	255
Common Murre	142	Speich	06/12/79	B	III	255
Common Murre	675	Wilson 1980	07/05/79	A	III	286
Common Murre	730	Wilson 1980	07/02/80	A	III	286
Common Murre	250	Wilson	08/14/81	B	III	287
Tufted Puffin	X	Hunn	05/16/76	M	III	150

AREA 174, Copalis Beach, North (cont'd.)

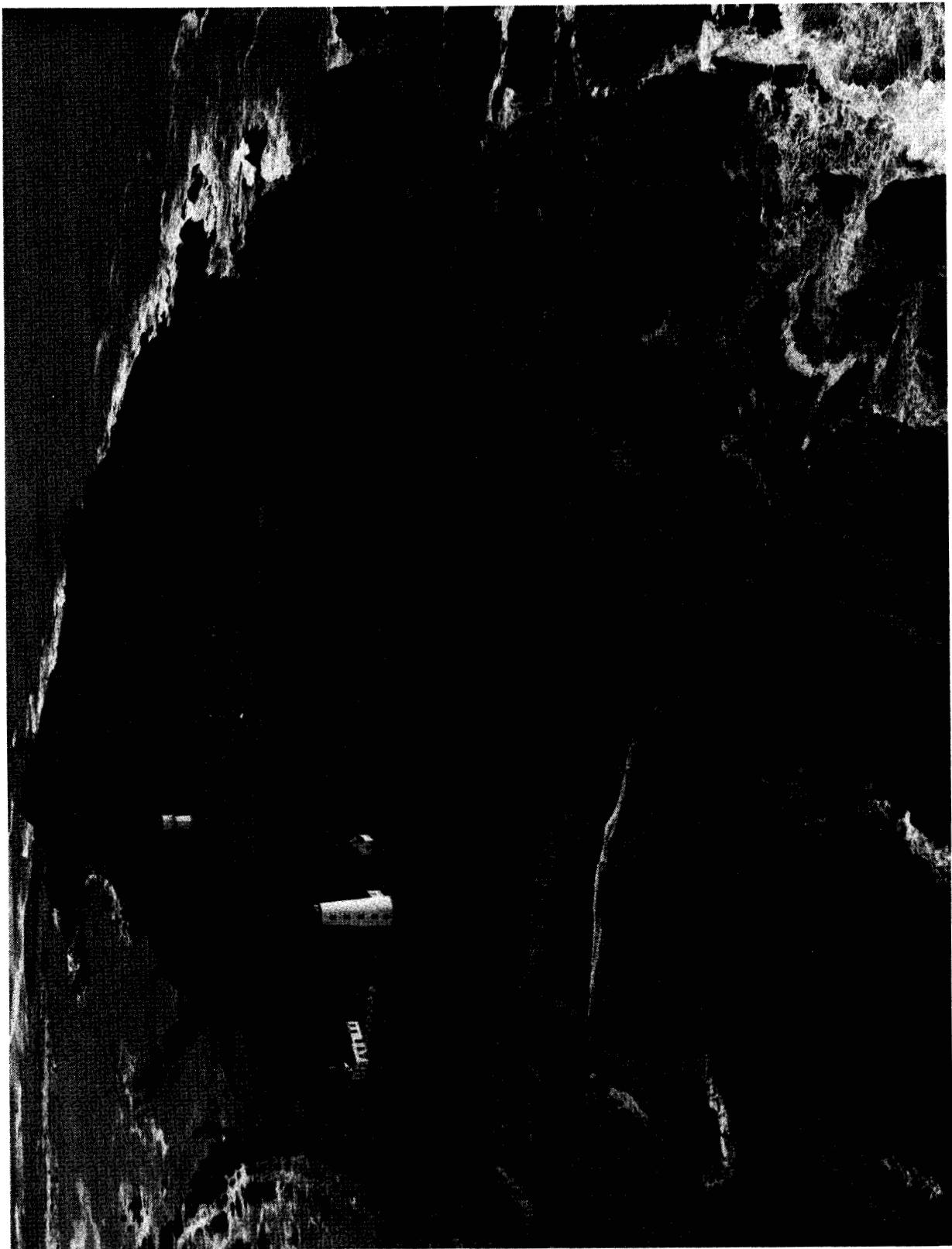


Cake (174002) 16 June 1970 J.P. Mazzoni

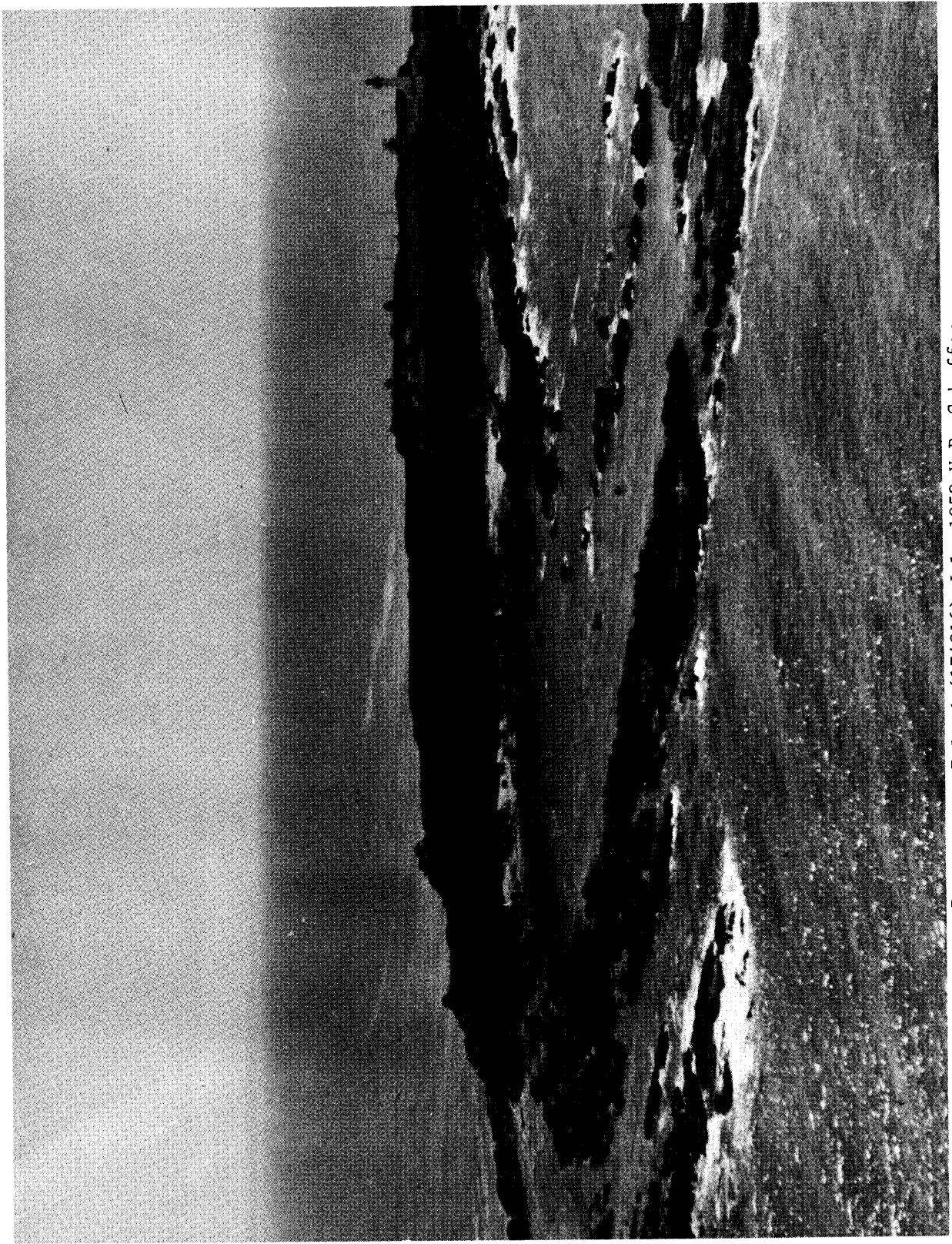


James Island (174003) July 1959 V.B. Scheffer

AREA 174, Copalis Beach, North (cont'd.)



Destruction Island (174016) U.S. Coast Guard

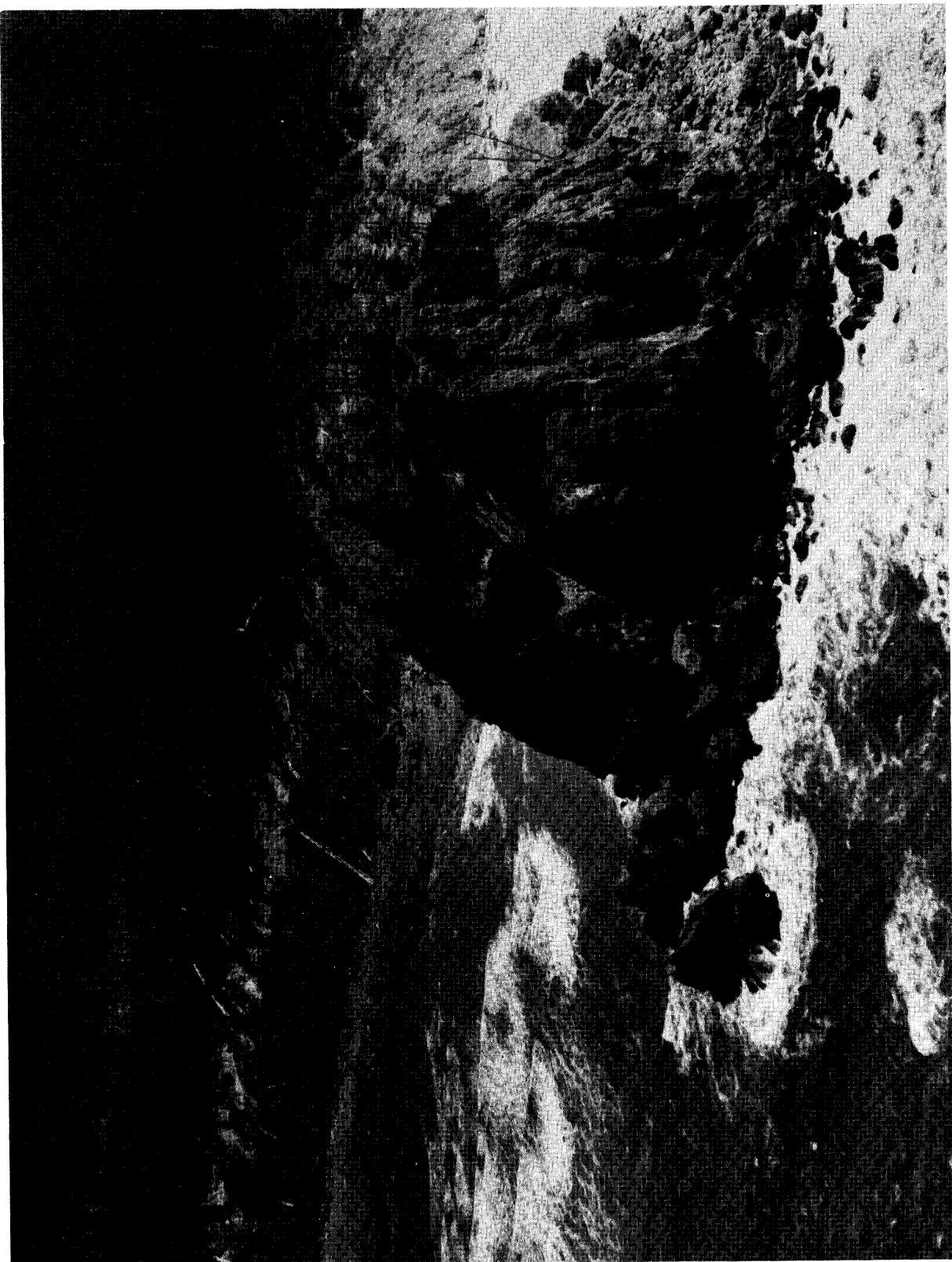


AREA 174, Copalis Beach, North (cont'd.)

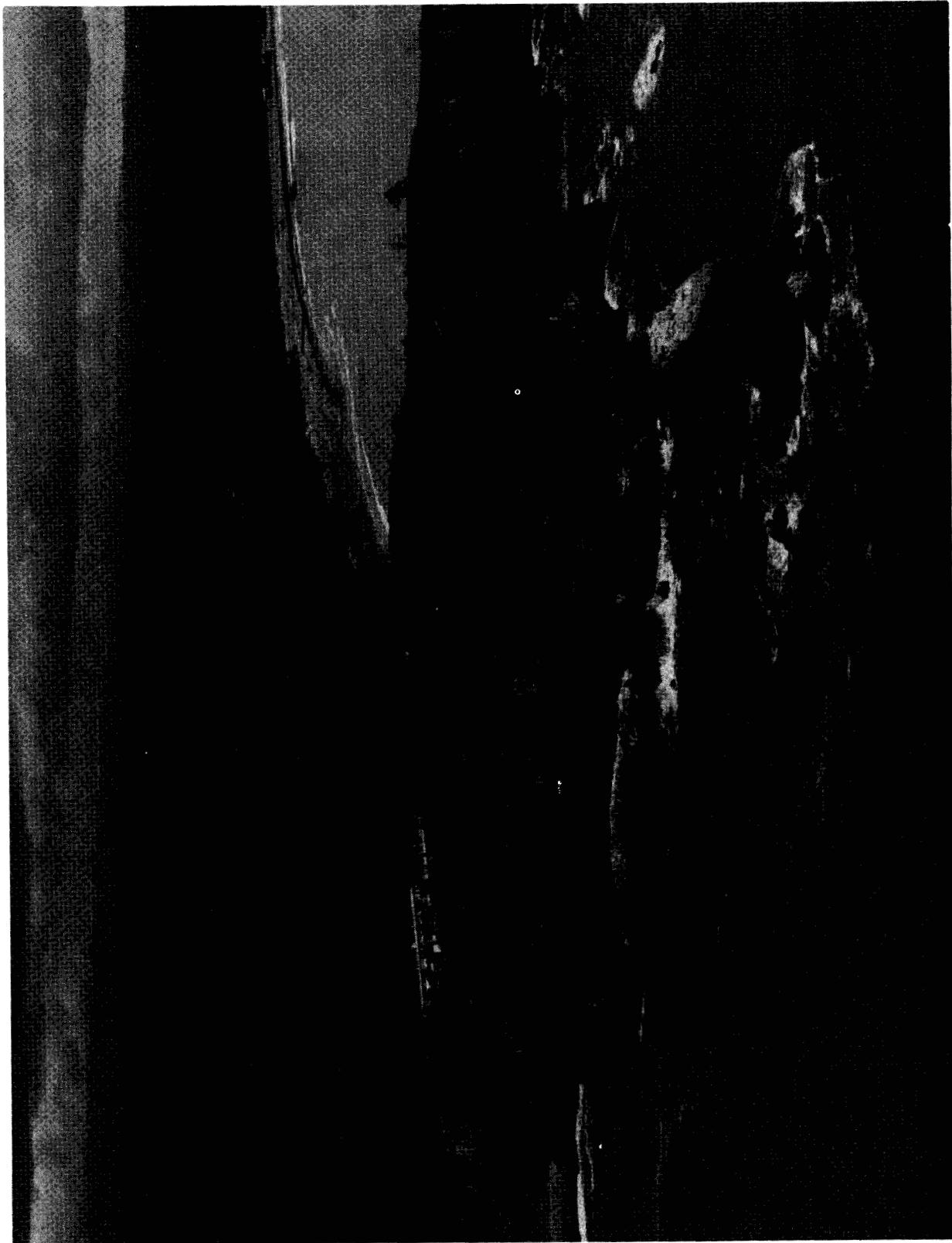


Tunnel Island (174092) 15 July 1966 R. Glahn

Hogsback, Little (174095). July 1959 V.B. Scheffer

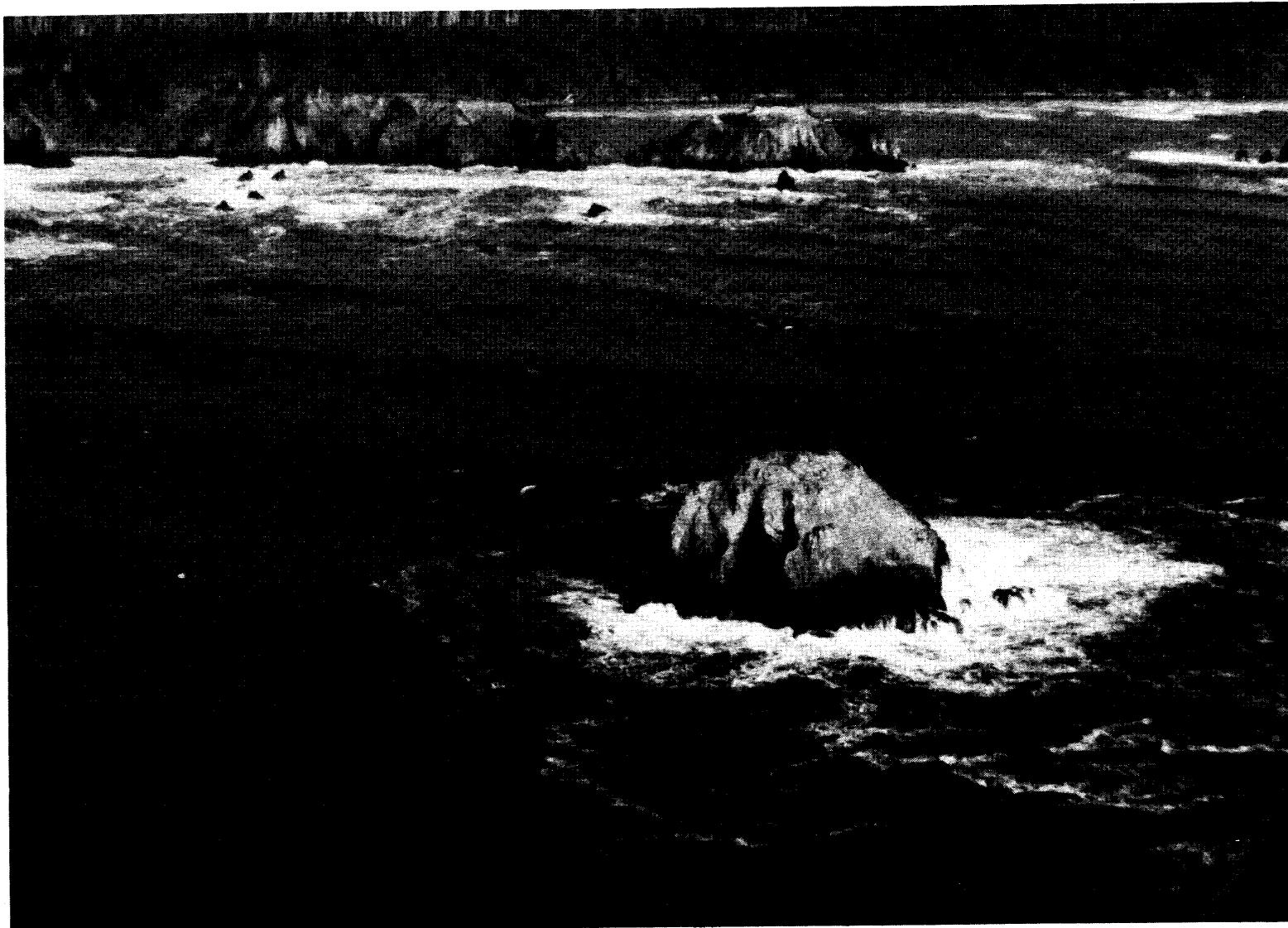


AREA 174, Copalis Beach, North (cont'd.)



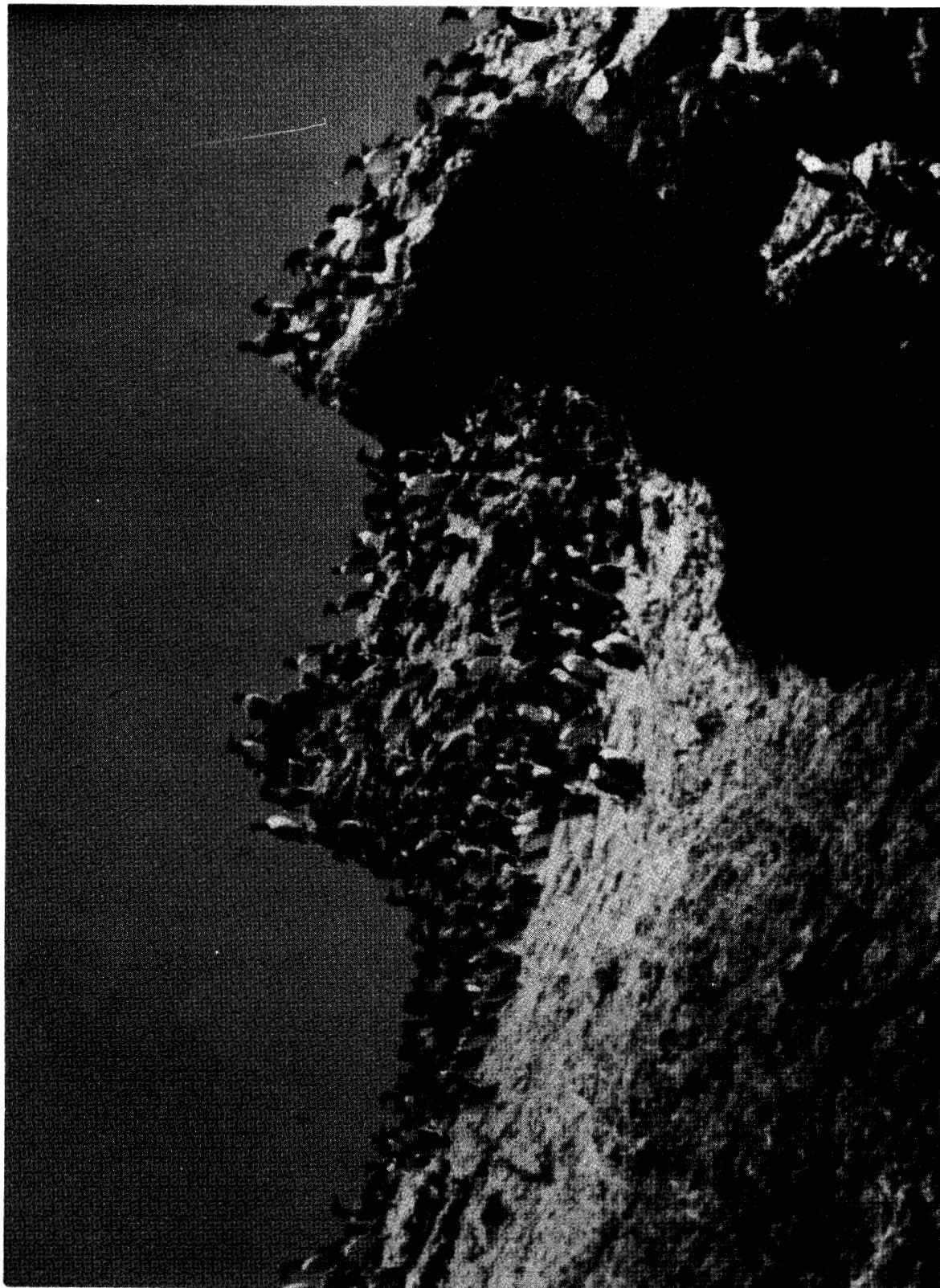
Pt. Grenville (174099); Greenville Pillar, foreground (174100) U.S. Coast Guard

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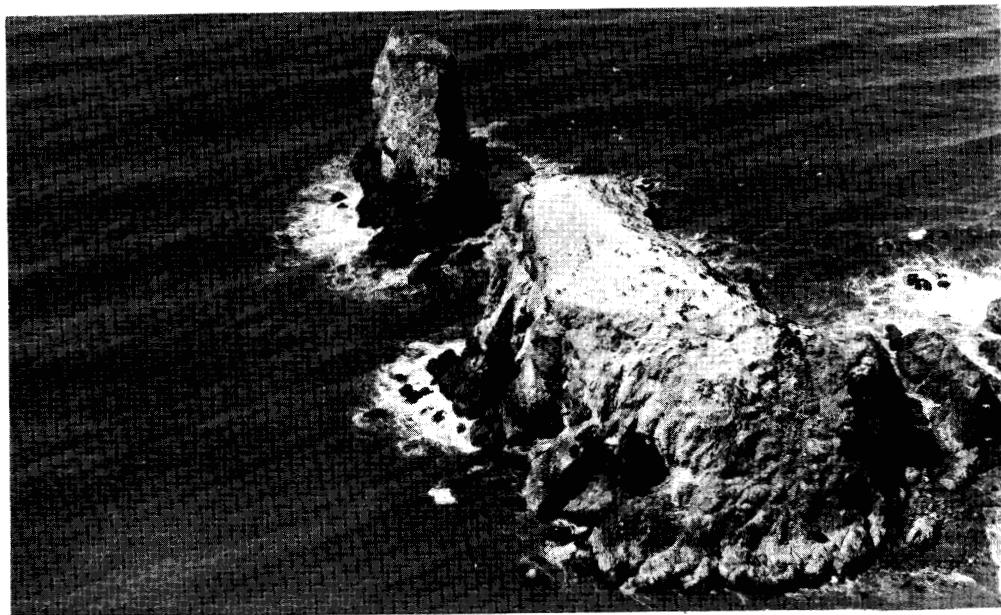


Grenville Arch (174021); Pt. Grenville, left background (174099) 19 November 1979 S.M.  
Speich

ARFA 174, Copalis Beach, North (cont'd.)



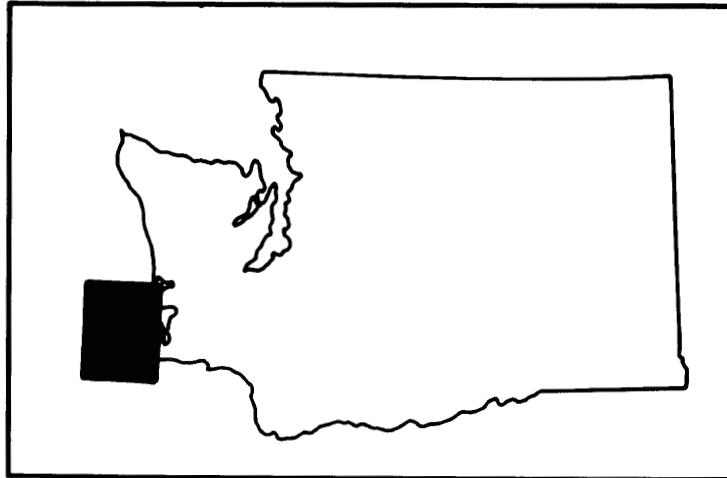
Grenville Arch (174021) 12 June 1979 S.M. Speich



"Erin" (174101), front; "Erin's Bride" (174102) July 1959  
V.B. Scheffer



"Erin" (174101) 1978 S.M. Speich



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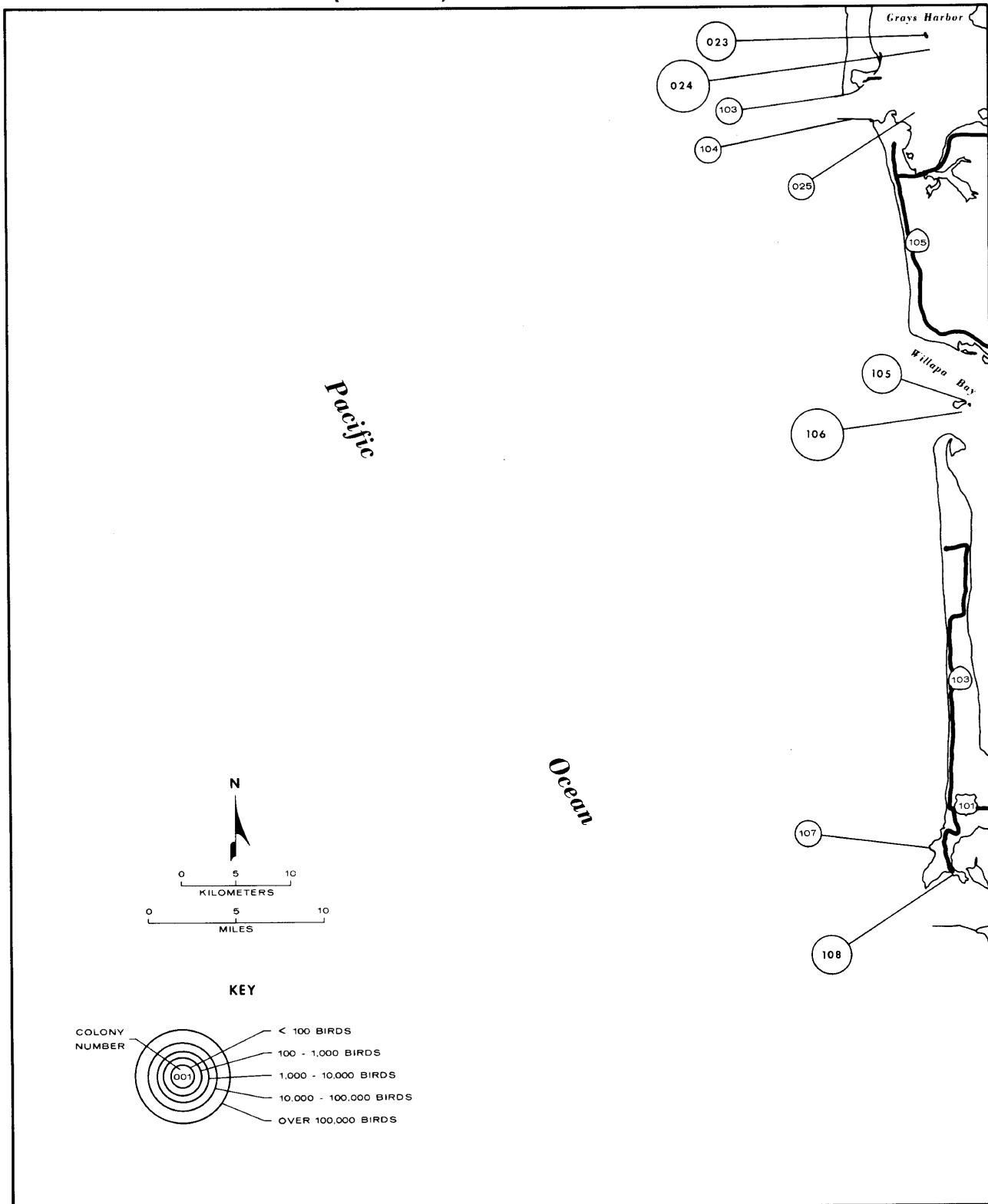
**Copalis Beach  
(South)**

The map on the facing page is an index to the locations of colonies within map 174, Copalis Beach, South. Note that all colonies on the map are not numbered consecutively from north to south, since many previously unreported sites have been added since initial colony numbers were assigned by Varoujean (1979). On the pages following this map, all colonies are listed sequentially and a detailed map of each is provided.

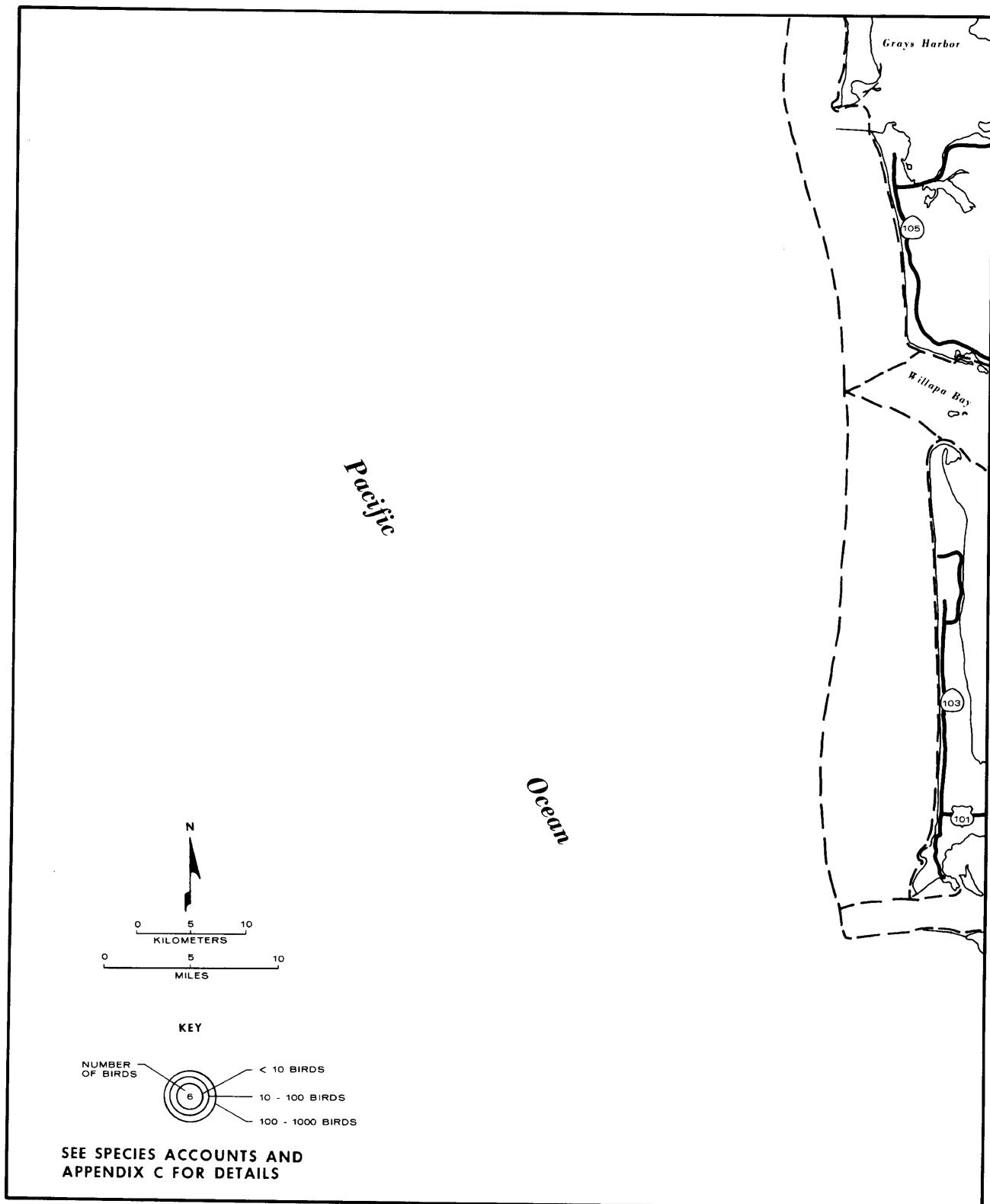
Numbers of breeding seabirds will vary from year to year. Below are the approximate numbers of breeding seabirds within this region.

Double-crested Cormorant	900
Brandt's Cormorant	100
Pelagic Cormorant	240
American Black Oystercatcher	2
Glaucous-winged and Western gulls	6,300
Ring-billed Gull	110
Caspian Tern	7,900
Pigeon Guillemot	70
Marbled Murrelet	no estimate

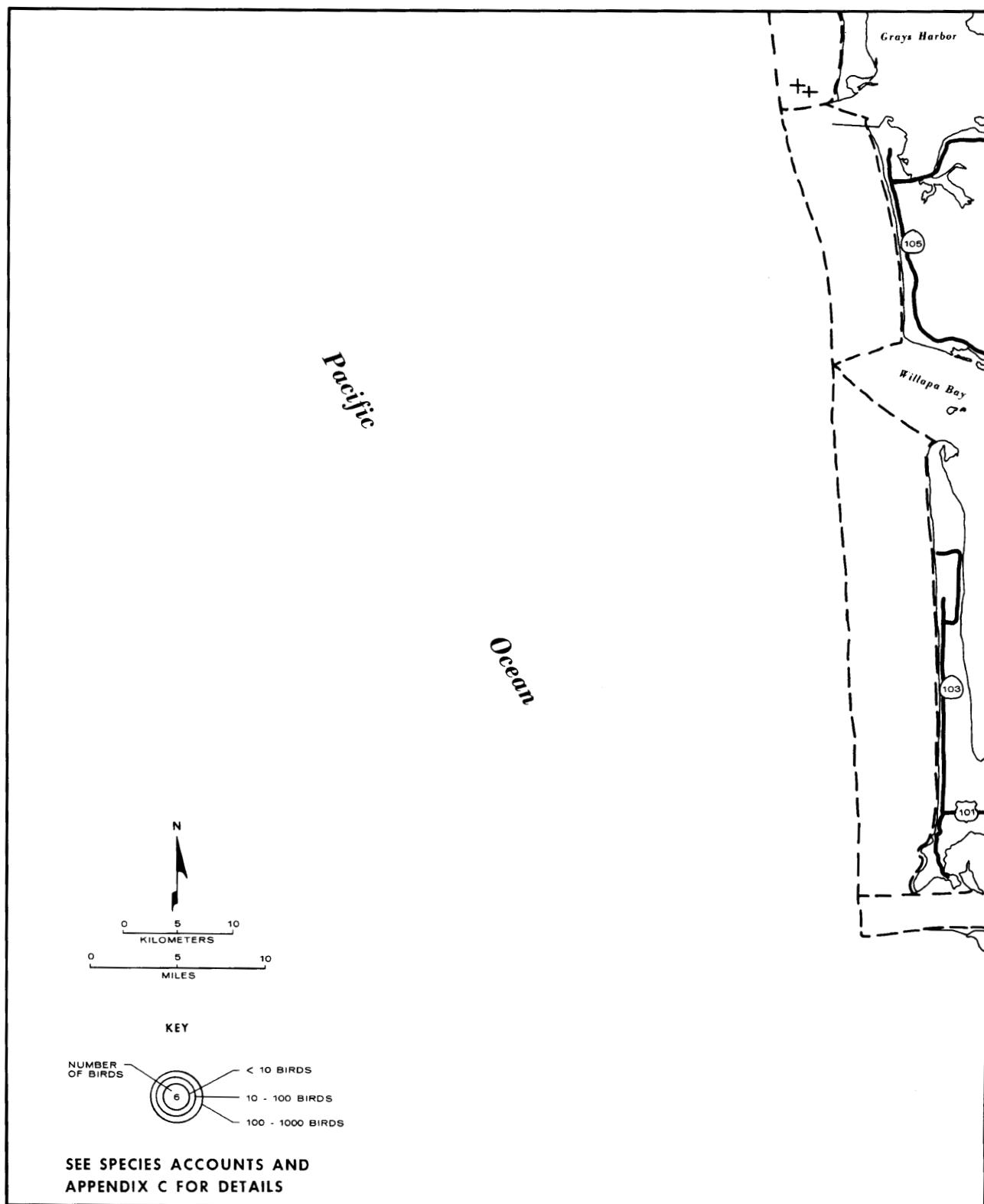
## 174 (SOUTH) COPALIS BEACH



Relative distribution for Pigeon Guillemots in map area 174 (South) Copalis Beach.



Relative distribution for Marbled Murrelets in map area 174 (South) Copalis Beach.



AREA 174, Copalis Beach, South (cont'd.)

SITE NUMBER	COLONY NAME	LAT.-LONG.				
(191)	PORT WILLIAMS	48° 07' 00", 123° 03' 00" W				
PIGEON GUILLEMOT		34	SPEICHH	05/23/79	B III	255
PIGEON GUILLEMOT		33	SPEICHH	05/26/78	B III	255
SPECIES NAME		NUMBER BREEDING BIRDS	SOURCE	SURVEY DATE	SURVEY TYPE	REFERENCE DATA QUALITY
Box gives the most recent or the best estimates available.						

(023) Goose Island 46°58'40"N, 124°04'10"W

Double-crested Cormorant	916	Washington Dep. Game	06/23/82	A III 203
Glaucous-winged Gull	8+	Alcorn	06/05/82	E - 8
Caspian Tern	N	Washington Dep. Game	06/23/82	A III 203
Total	916+			

Double-crested Cormorant	N	Alcorn	?/?/73	L III 6
Double-crested Cormorant	N	Washington Dep. Game	?/?/74	L III 276
Double-crested Cormorant	N	Washington Dep. Game	?/?/75	L III 277
Double-crested Cormorant	N	Washington Dep. Game	?/?/76	L III 203
Double-crested Cormorant	N	Washington Dep. Game	?/?/77	L III 203
Double-crested Cormorant	N	Washington Dep. Game	?/?/78	L III 203
Double-crested Cormorant	200	Washington Dep. Game	06/02/79	L I 203
Double-crested Cormorant	200	Smith	06/22/79	L I 254
Double-crested Cormorant	580	Washington Dep. Game	05/23/80	L I 203
Double-crested Cormorant	590	Smith	?/?/80	L I 254
Double-crested Cormorant	752	Washington Dep. Game	06/27/81	L I 203
Double-crested Cormorant	4	Alcorn	06/05/82	E - 8
Double-crested Cormorant	200	Alcorn	06/05/82	L III 5
Double-crested Cormorant	916	Washington Dep. Game	06/15/82	L I 203
Glaucous-winged Gull	X	Alcorn 1958	?/?/54	L III 3
Glaucous-winged Gull	X	Alcorn 1958	?/?/55	L III 3
Glaucous-winged Gull	X	Alcorn 1958	?/?/56	L III 3
Glaucous-winged Gull	X	Alcorn 1958	?/?/57	L III 3
Glaucous-winged Gull	X	Alcorn 1958	06/ ?/58	L III 3
Glaucous-winged Gull	X	Alcorn 1958	07/20/58	L III 3
Glaucous-winged Gull	2	Alcorn	07/20/58	S - 8
Glaucous-winged Gull	X	Washington Dep. Game	?/?/72	L III 203
Glaucous-winged Gull	2	Alcorn	05/14/74	E - 8

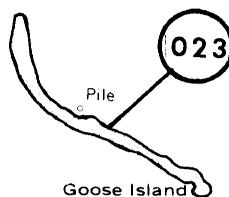
Section from U.S.G.S.  
1:24,000 scale map:

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MPTULIPS



Glaucous-winged Gull	7000	Penland 1976	06/08/75	L III 211
Glaucous-winged Gull	2000	Hoffman	07/14/75	L III 138
Glaucous-winged Gull	1300	Smith & Mudd 1976	07/14/75	L III 252
Glaucous-winged Gull	7000	Washington Dep. Game	?/ ?/77	L III 203
Glaucous-winged Gull	4000	Harrington-Tweit	05/20/77	A III 124
Glaucous-winged Gull	X	Harrington-Tweit	05/26/77	L III 124
Glaucous-winged Gull	5000-6600	Peters et al. 1978	05/26/77	L III 216
Glaucous-winged Gull	X	Harrington-Tweit	06/14/77	L III 124
Glaucous-winged Gull	X	Harrington-Tweit	07/14/77	L III 124
Glaucous-winged Gull	N	Harrington-Tweit	08/17/77	L III 124
Glaucous-winged Gull	60-80	Washington Dep. Game	?/ ?/78	L III 203
Glaucous-winged Gull	X	Smith	06/22/79	L III 254
Glaucous-winged Gull	X	Smith	05/23/80	L III 254
Caspian Tern	18	Alcorn 1958	?/ ?/57	L I 3
Caspian Tern	140	Alcorn 1958	?/ ?/58	L I 3
Caspian Tern	100+	Alcorn 1958	Jun/ ?/58	L III 3
Caspian Tern	150	Alcorn 1958	07/20/58	L III 3
Caspian Tern	2	Anonymous	07/20/58	E - 16
Caspian Tern	4	Anonymous	06/13/59	E - 16
Caspian Tern	8	Chabot & Alcorn	05/19/61	E - 57
Caspian Tern	2000	Washington Dep. Game	?/ ?/71	L III 203
Caspian Tern	2000	Reick	05/04/72	L III 233
Caspian Tern	2	Anonymous	06/03/72	S - 16
Caspian Tern	2000	Alcorn	?/ ?/73	L III 7
Caspian Tern	1600	Alcorn	?/ ?/73	L III 6
Caspian Tern	2	Anonymous	06/11/73	S - 16
Caspian Tern	600	Penland 1976	?/ ?/74	L III 211
Caspian Tern	300	Washington Dep. Game	?/ ?/74	L III 276
Caspian Tern	4	Alcorn	05/14/74	E - 8
Caspian Tern	2	Anonymous	06/08/74	S - 16
Caspian Tern	180	Washington Dep. Game	?/ ?/75	L III 277
Caspian Tern	338	Penland 1976	06/08/75	L III 213
Caspian Tern	N	Penland 1976	?/ ?/76	L III 211
Caspian Tern	N	Peters et al. 1978	?/ ?/76	L III 216
Caspian Tern	N	Washington Dep. Game	?/ ?/76	L III 203
Caspian Tern	N	Peters et al. 1978	?/ ?/77	L III 216
Caspian Tern	N	Washington Dep. Game	?/ ?/77	L III 203
Caspian Tern	N	Harrington-Tweit	05/20/77	A III 124
Caspian Tern	N	Harrington-Tweit	05/26/77	L III 124
Caspian Tern	N	Harrington-Tweit	06/14/77	L III 124
Caspian Tern	N	Harrington-Tweit	07/14/77	L III 124
Caspian Tern	N	Harrington-Tweit	08/17/77	L III 124
Caspian Tern	N	Washington Dep. Game	?/ ?/78	L III 203
Caspian Tern	N	Washington Dep. Game	?/ ?/79	L III 203

AREA 174, Copalis Beach, South (cont'd.)

Caspian Tern	N Washington Dep.	Game	?/ ?/80	L III 203
Caspian Tern	N Washington Dep.	Game	?/ ?/81	L III 203
Caspian Tern	N Washington Dep.	Game	06/15/82	L III 203

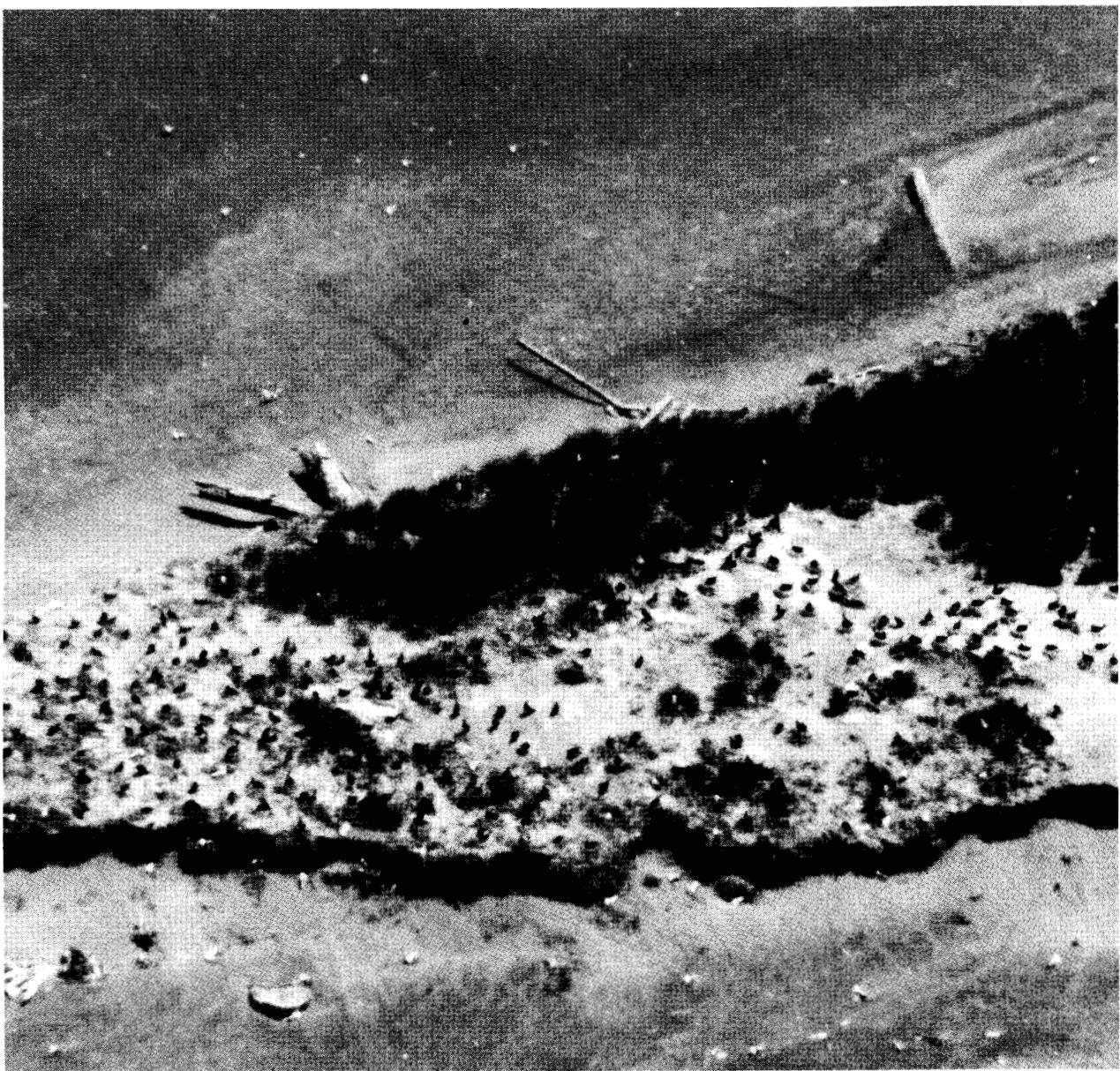
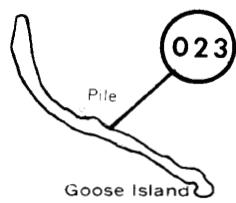


Goose Island (174023) 1977 S.G. Herman

Section from U.S.G.S.  
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Goose Island (174023) 15 June 1982 E. Cummins Double-crested Cormorants

## AREA 174, Copalis Beach, South (cont'd.)

(024)

Sand Island 46°57'45"N, 124°03'25"W

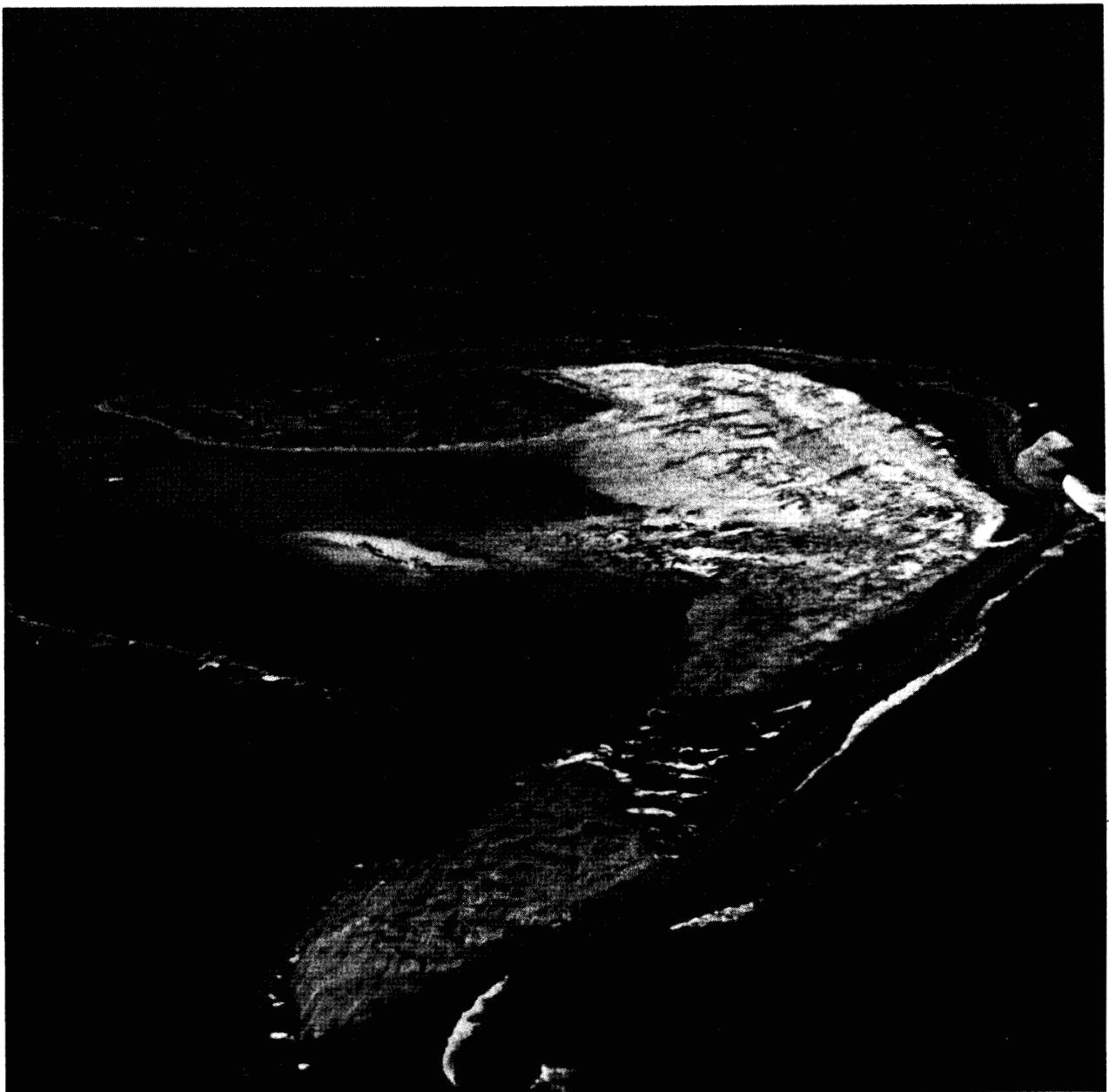
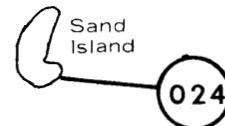
Caspian Tern	5216	Washington Dep. Game	06/05/82	L II 203
Ring-billed Gull	10	Smith	? / ?/77	L I 253
Ring-billed Gull	24	Smith	? / ?/78	L I 253
Ring-billed Gull	24	Smith	05/19/78	L I 254
Ring-billed Gull	30B	Washington Dep. Game	06/14/79	L I 203
Ring-billed Gull	34	Smith	05/23/80	L I 254
Ring-billed Gull	96	Washington Dep. Game	05/31/80	L I 203
Ring-billed Gull	106	Washington Dep. Game	05/30/81	L I 203
Glaucous-winged Gull	2000	Penland 1976	07 / ?/76	L III 211
Glaucous-winged Gull	2000	Washington Dep. Game	? / ?/77	L III 203
Glaucous-winged Gull	750+	Harrington-Tweit	05/20/77	A III 124
Glaucous-winged Gull	X	Harrington-Tweit	05/22/77	L III 124
Glaucous-winged Gull	X	Harrington-Tweit	06/14/77	L III 124
Glaucous-winged Gull	X	Harrington-Tweit	07/14/77	L III 124
Glaucous-winged Gull	X	Harrington-Tweit	08/17/77	L III 124
Glaucous-winged Gull	X	Washington Dep. Game	06/14/79	L III 203
Caspian Tern	N	Washington Dep. Game	? / ?/73	L III 203
Caspian Tern	N	Washington Dep. Game	? / ?/74	L III 203
Caspian Tern	1400	Washington Dep. Game	? / ?/76	L II 203
Caspian Tern	1200	Washington Dep. Game	07 / ?/76	L II 203
Caspian Tern	300+	Harrington-Tweit	05/20/77	A III 124
Caspian Tern	X	Harrington-Tweit	05/22/77	L III 124
Caspian Tern	3470	Harrington-Tweit	05/26/77	L II 124
Caspian Tern	X	Harrington-Tweit	06/14/77	L III 124
Caspian Tern	X	Harrington-Tweit	07/14/77	L III 124
Caspian Tern	X	Harrington-Tweit	07/17/77	L III 124
Caspian Tern	3560	Smith	05/19/78	L II 254
Caspian Tern	3780	Rodrick	06/02/79	L II 203
Caspian Tern	4000	Smith	05/23/80	L II 254
Caspian Tern	4380	Washington Dep. Game	05/31/80	L II 203
Caspian Tern	X	Washington Dep. Game	05/19/81	L III 203
Caspian Tern	4310	Washington Dep. Game	05/30/81	L II 203

Section from U.S.G.S.  
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Sand Island (174024) 1977 S.G. Herman

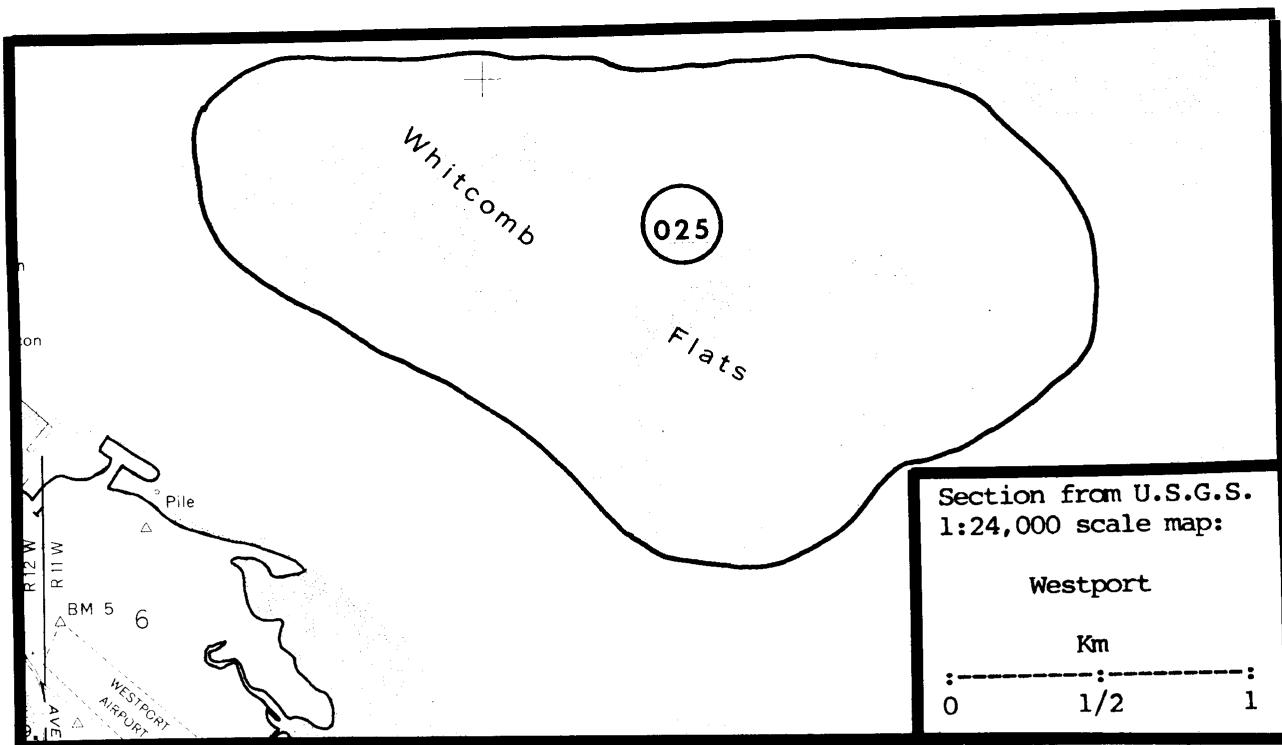
## AREA 174, Copalis Beach, South (cont'd.)

025

Whitcomb Island 46°54'40"N, 124°04'40"W

Glaucous-winged Gull	28	Washington Dep. Game	05/19/81	L	I	203
Caspian Tern	N	Washington Dep. Game	05/19/81	L	I	203
Total	28					

Gull sp.	N	Peters et al. 1978	?/ ?/74	?	?	216
Ring-billed Gull	4	Penland 1976	06/02/76	L	I	211
Ring-billed Gull	6	Washington Dep. Game	?/ ?/77	L	I	203
Ring-billed Gull	6	Harrington-Tweit	05/26/77	L	I	124
Ring-billed Gull	14	Alcorn	06/07/77	L	I	4
Ring-billed Gull	2	Alcorn	06/07/77	E	-	8
Ring-billed Gull	18	Harrington-Tweit	07/14/77	L	I	124
Glaucous-winged Gull	80	Penland 1976	05/27/75	L	I	211
Glaucous-winged Gull	2	Alcorn	05/30/75	E	-	8
Glaucous-winged Gull	54	Smith & Mudd 1976	06/ ?/75	L	III	252
Glaucous-winged Gull	80	Penland 1976	06/02/76	L	I	211
Glaucous-winged Gull	2	Alcorn	06/03/76	E	-	8
Glaucous-winged Gull	116	Washington Dep. Game	?/ ?/77	L	I	203
Glaucous-winged Gull	30+	Harrington-Tweit	05/20/77	A	III	124
Glaucous-winged Gull	90+	Harrington-Tweit	05/26/77	L	III	124
Glaucous-winged Gull	6	Alcorn	06/07/77	S	-	8
Glaucous-winged Gull	X	Harrington-Tweit	08/17/77	L	III	124
Glaucous-winged Gull	X	Washington Dep. Game	?/ ?/78	L	III	203
Glaucous-winged Gull	360	Washington Dep. Game	05/ ?/79	L	III	203
Glaucous-winged Gull	400+	Smith	05/30/80	L	III	254
Caspian Tern	?	Washington Dep. Game	?/ ?/73	L	III	203
Caspian Tern	2000	Washington Dep. Game	?/ ?/74	L	III	203
Caspian Tern	2000-3000	Smith & Mudd 1976	08/ ?/74	L	III	252
Caspian Tern	6	Penland	05/12/75	E	-	214
Caspian Tern	1500	Penland	05/12/75	L	III	213
Caspian Tern	2	Alcorn	05/16/75	E	-	8
Caspian Tern	2150	Alcorn	05/16/75	L	III	4
Caspian Tern	2150	Smith & Mudd 1976	05/ ?/75	L	I	252
Caspian Tern	2150	Penland 1976	05/27/75	L	I	211
Caspian Tern	1	Anonymous	05/30/75	S	-	16
Caspian Tern	2200	Reick	08/25/75	L	III	233
Caspian Tern	6	Penland	05/14/76	E	-	214
Caspian Tern	2500	Penland	05/14/76	L	III	213
Caspian Tern	1	Anonymous	05/24/76	S	-	16
Caspian Tern	2480	Penland 1976	06/02/76	L	I	211
Caspian Tern	4	Anonymous	06/02/76	S	-	16
Caspian Tern	1	Anonymous	08/15/76	S	-	16
Caspian Tern	4	Alcorn	05/07/77	E	-	8
Caspian Tern	700	Alcorn	05/07/77	L	III	4
Caspian Tern	150	Harrington-Tweit	05/20/77	A	III	124
Caspian Tern	610	Harrington-Tweit	05/26/77	L	I	124
Caspian Tern	1	Anonymous	06/07/77	S	-	16
Caspian Tern	X	Alcorn	06/07/77	L	III	5
Caspian Tern	80	Harrington-Tweit	07/14/77	L	I	124
Caspian Tern	X	Harrington-Tweit	08/17/77	L	III	124



Caspian Tern  
Caspian Tern  
Caspian Tern  
Caspian Tern  
Caspian Tern

154	Washington Dep. Game	? / ? / 78	L I 203
2	Alcorn	05/06/78	E - 8
14-20	Washington Dep. Game	05 / ? / 79	L II 203
14	Washington Dep. Game	05/23/80	L I 203
?	Washington Dep. Game	? / ? / 82	L III 203

AREA 174, Copalis Beach, South (cont'd.)

103

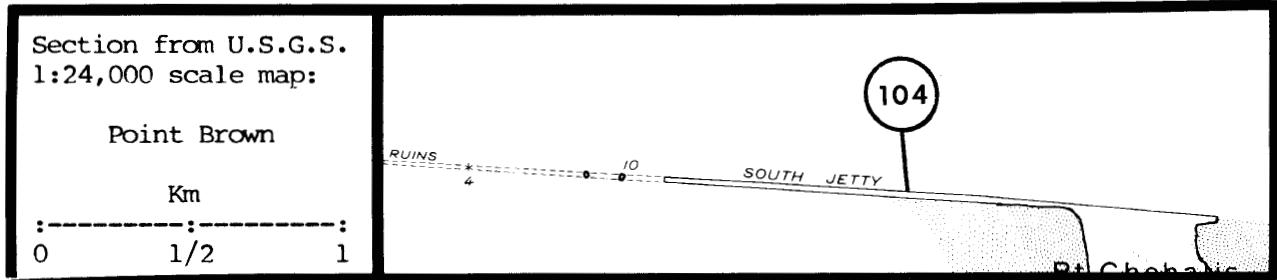
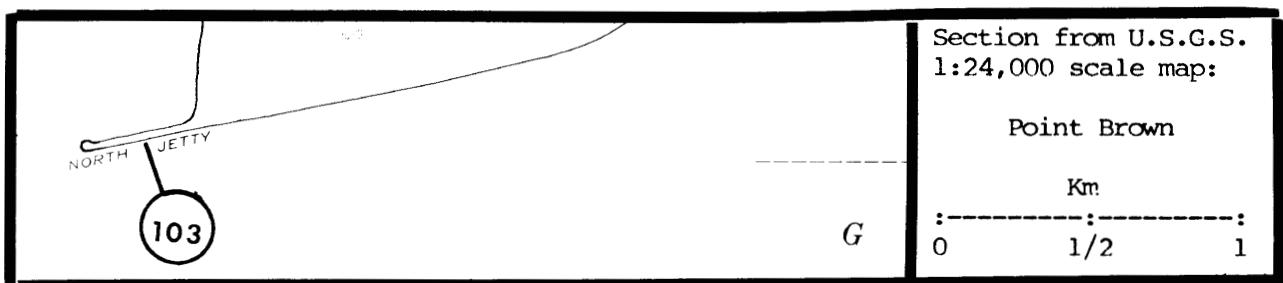
Point Brown, jetty 46°55'38"N, 124°10'37"W

Pigeon Guillemot	23	Wahl	08/14/82	B III 269
Glaucous-winged Gull	18	Morris	?/ ?/73	L III 200
Pigeon Guillemot	20	Harrington-Tweit	04/22/77	B III 124
Pigeon Guillemot	20	Paulson	?/ ?/79	L III 207
Pigeon Guillemot	11	Paulson	?/ ?/80	L III 207
Pigeon Guillemot	8	Paulson	?/ ?/81	L III 207
Pigeon Guillemot	13	Paulson	?/ ?/82	L III 207

104

Point Chehalis, jetty 46°54'21"N, 124°08'37"W

Pigeon Guillemot	4	Speich	07/27/82	L III 255
Pigeon Guillemot	2	Hudson	07/03/48	? III 148
Pigeon Guillemot	25	Harrington-Tweit	07/04/78	B III 124
Pigeon Guillemot	12	Wahl	05/12/79	B III 269
Pigeon Guillemot	7	Wahl	05/10/80	B III 269
Pigeon Guillemot	5	Smith	05/23/80	L III 254



"Gunpowder Island" (174106) 13 June 1982 S.J. Jeffries Caspian Terns

AREA 174, Copalis Beach, South (cont'd.)

(105)

"Whaleback Island" 46°41'25"N, 124°02'30"W

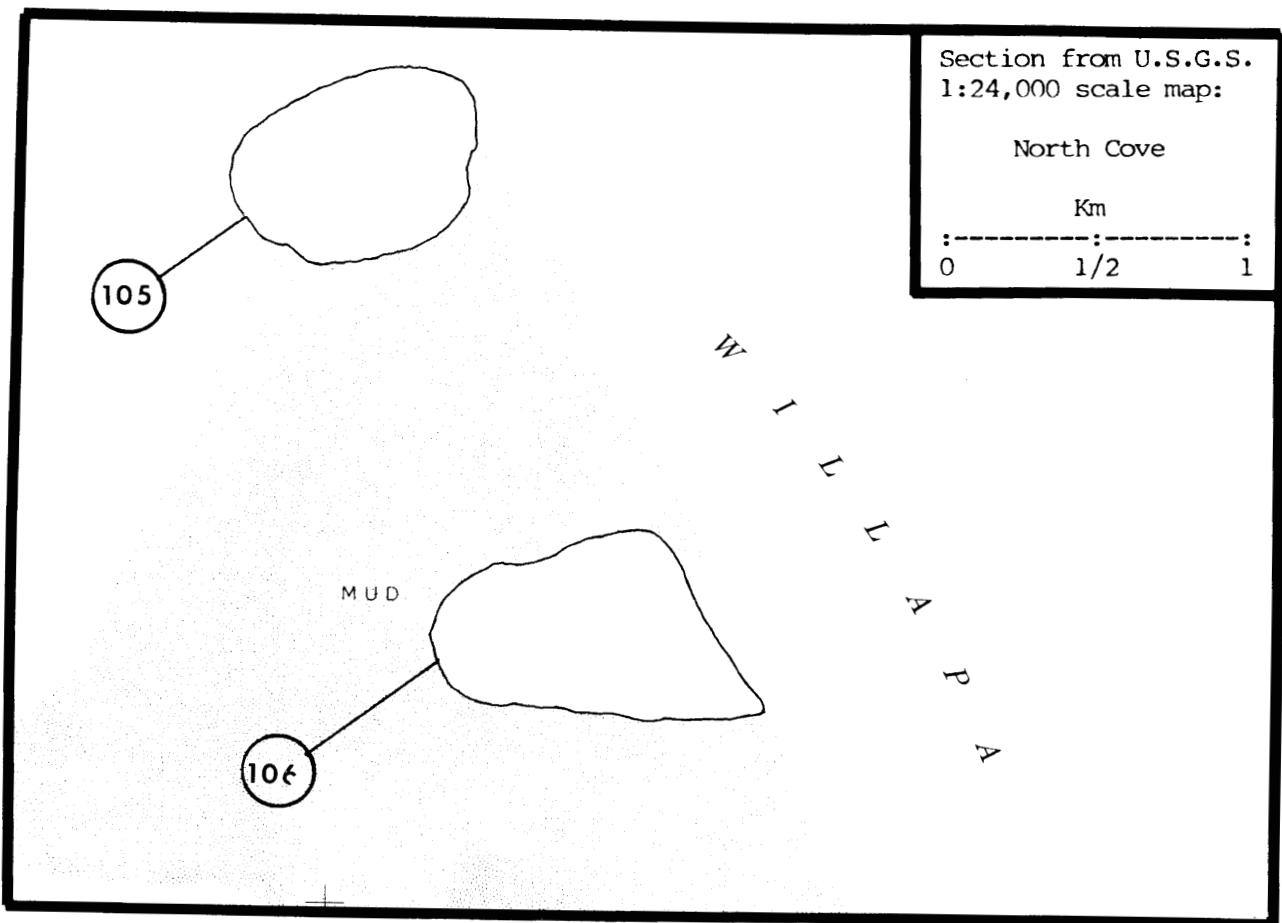
Glaucous-winged Gull	240	Speich; Harrington-Tweit	06/07/82	L I 255;124
Caspian Tern	X	Hosea	06/19/80	? III 144

(106)

"Gunpowder Island" 46°40'55"N, 124°02'15"W

Ring-billed Gull	106	Speich; Harrington-Tweit	06/07/82	L I 255;124
Glaucous-winged Gull	6000	Speich; Harrington-Tweit	06/07/82	L III 255;124
Caspian Tern	2700-3000	Speich; Harrington-Tweit	06/07/82	L III 255;124
Total	8806-9106			

Glaucous-winged Gull	4	Alcorn	06/04/77	E - 8
Glaucous-winged Gull	2000-3000	Harrington-Tweit	07/21/77	L III 124
Glaucous-winged Gull	1000	Widrig	06/03/80	L III 282
Caspian Tern	100	Harrington-Tweit	07/21/77	L III 124
Caspian Tern	1000-1600	Widrig	?/?/80	L III 281
Caspian Tern	1000	Widrig	06/03/80	L III 282
Caspian Tern	2000	Washington Dep. Game	06/19/80	L III 203



## AREA 174, Copalis Beach, South (cont'd.)

(107)

North Head 46°18'00"N, 124°04'35"W

Black Oystercatcher	2	Widrig	?/ ?/82	L III 282
Pigeon Guillemot	30	Widrig	?/ ?/82	L III 282
Total	32			

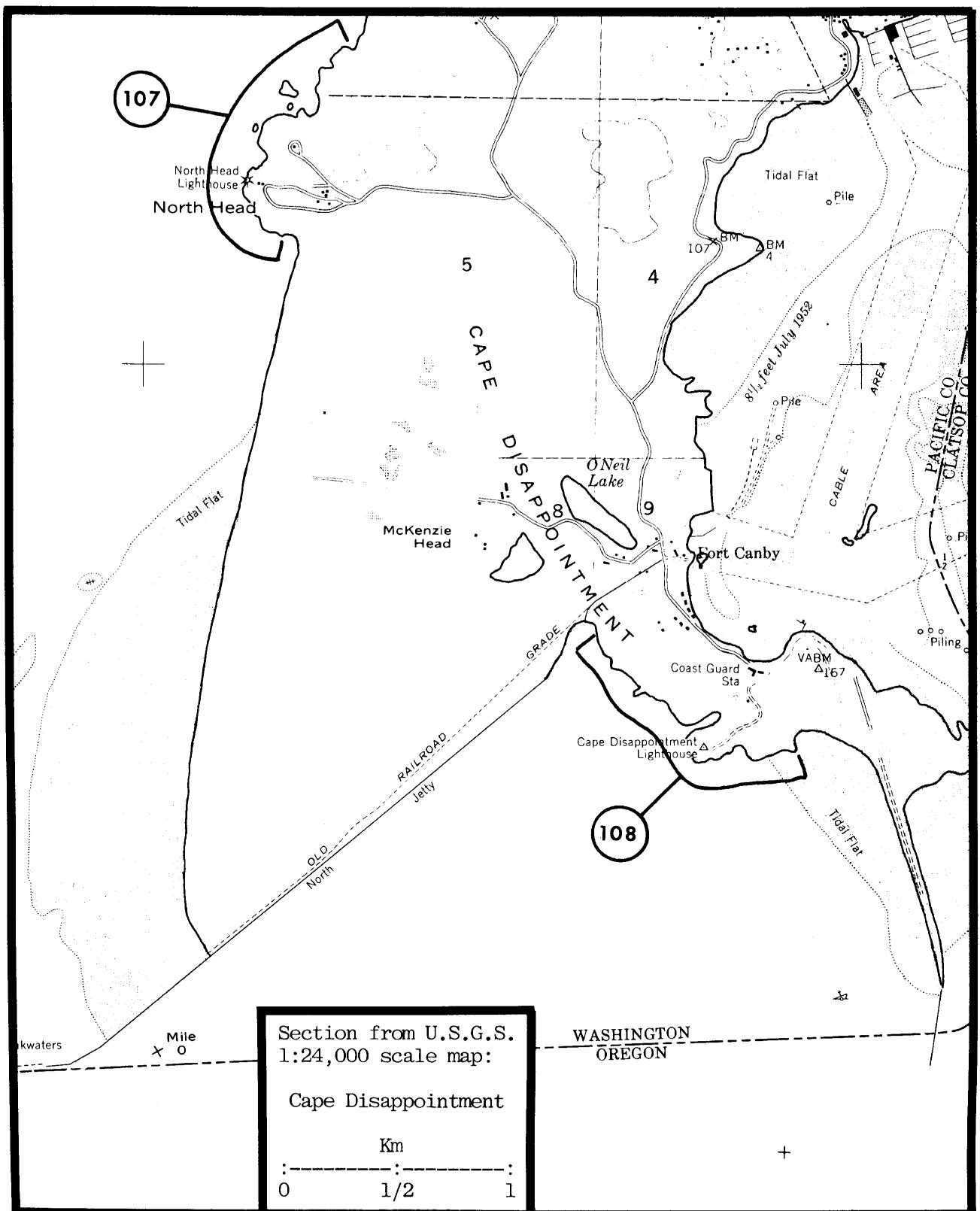
Black Oystercatcher	2	Widrig	?/ ?/78	L III 282
Black Oystercatcher	2	Widrig	?/ ?/79	L III 282
Black Oystercatcher	2	Widrig	?/ ?/80	L III 282
Black Oystercatcher	2	Widrig	?/ ?/81	L III 282

(108)

Cape Disappointment 46°16'30"N, 124°03'00"W

Brandt's Cormorant	96	Speich	06/10/82	L II 255
Pelagic Cormorant	240	Speich	06/10/82	L II 255
Glaucous-winged Gull	12	Speich	06/10/82	L I 255
Pigeon Guillemot	12	Speich	06/10/82	L III 255
Total	360			

Brandt's Cormorant	N	Suckley & Cooper 1860	07/ ?/1853	B III 260
Brandt's Cormorant	150+	Harrington-Tweit	04/12/75	L III 124
Brandt's Cormorant	X	Wahl	08/15-17/79	L III 269
Brandt's Cormorant	10-20	Harrington-Tweit	08/16-17/79	L III 124
Pelagic Cormorant	~200P	Suckley & Cooper 1860	07/ ?/1853	B III 260
Pelagic Cormorant	24	Jewett et al. 1953	05/10-18/18	L III 158
Pelagic Cormorant	8	Harrington-Tweit	04/12/75	L III 124
Pelagic Cormorant	?	Leschner	04/25/79	L III 178
Pelagic Cormorant	X	Wahl	08/15-17/79	L III 269
Pelagic Cormorant	50	Harrington-Tweit	08/16-17/79	L III 124
Black Oystercatcher	3	Widrig 1979	08/08/78	L III 280
Black Oystercatcher	2	Widrig 1979	05/22/79	L III 280



AREA 174, Copalis Beach, South (cont'd.)

(109)

Sand Island, West    46°16'30"N, 124°01'20"W

No Nesting Observed

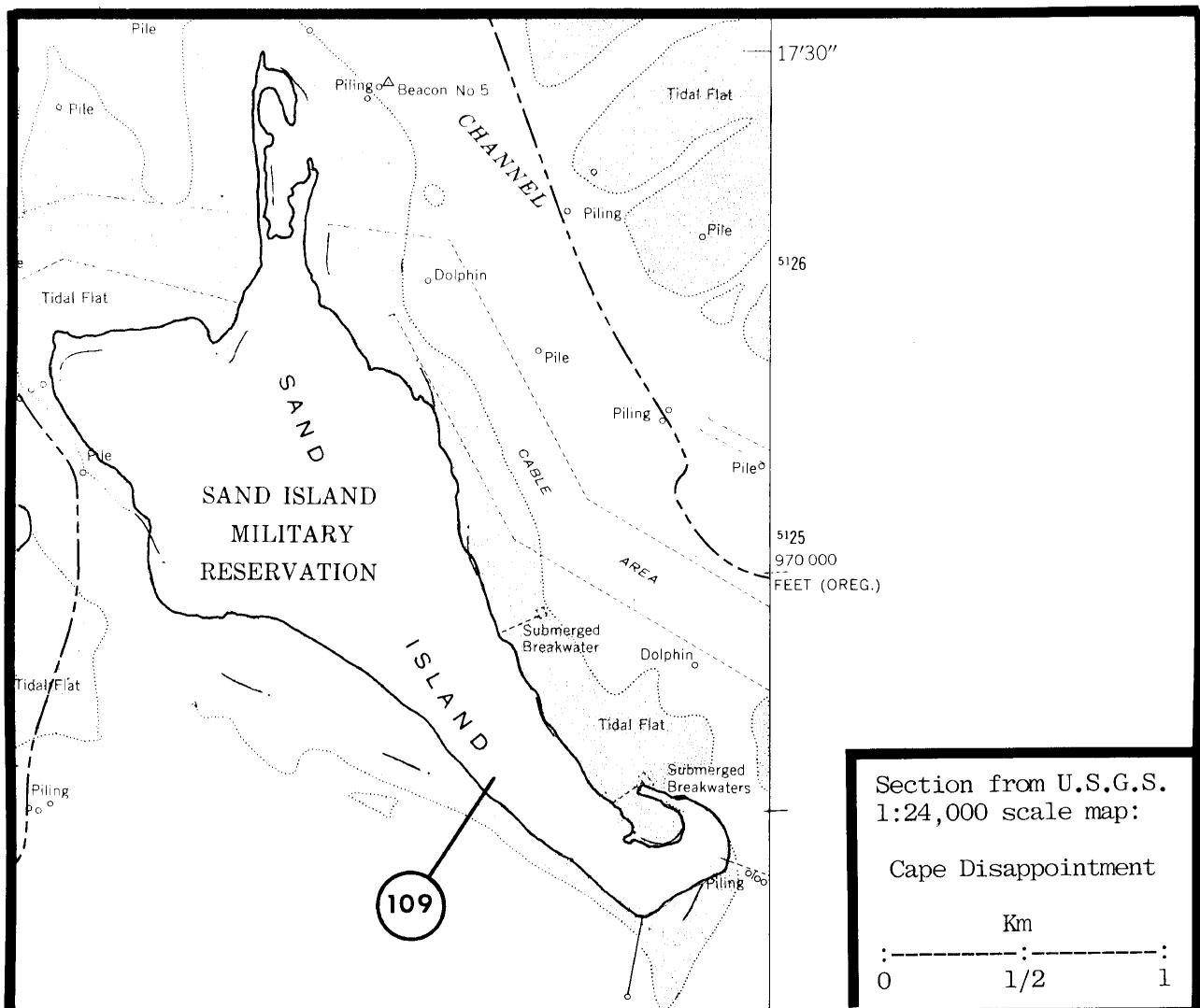
0 Speich

06/10/82

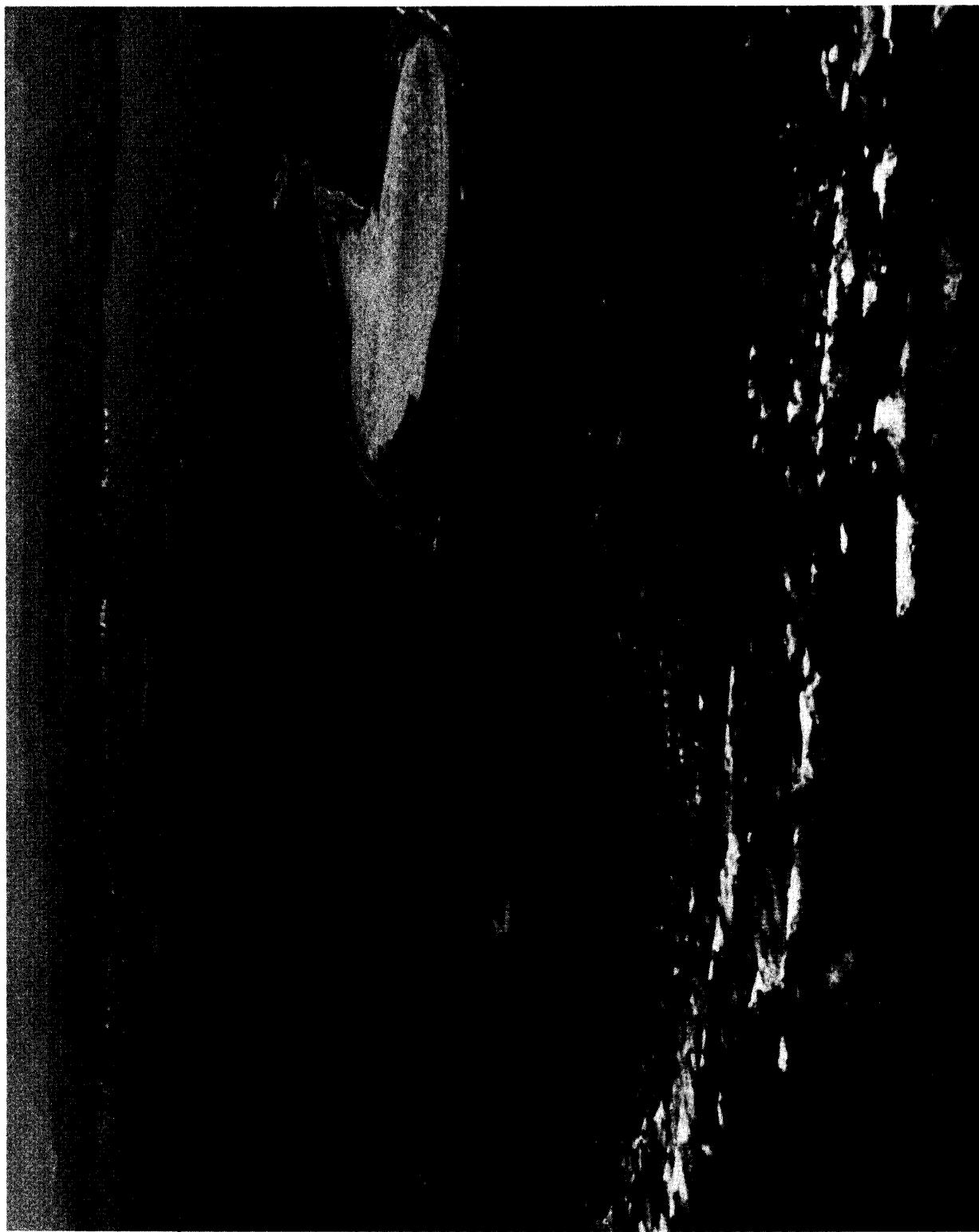
M III 255



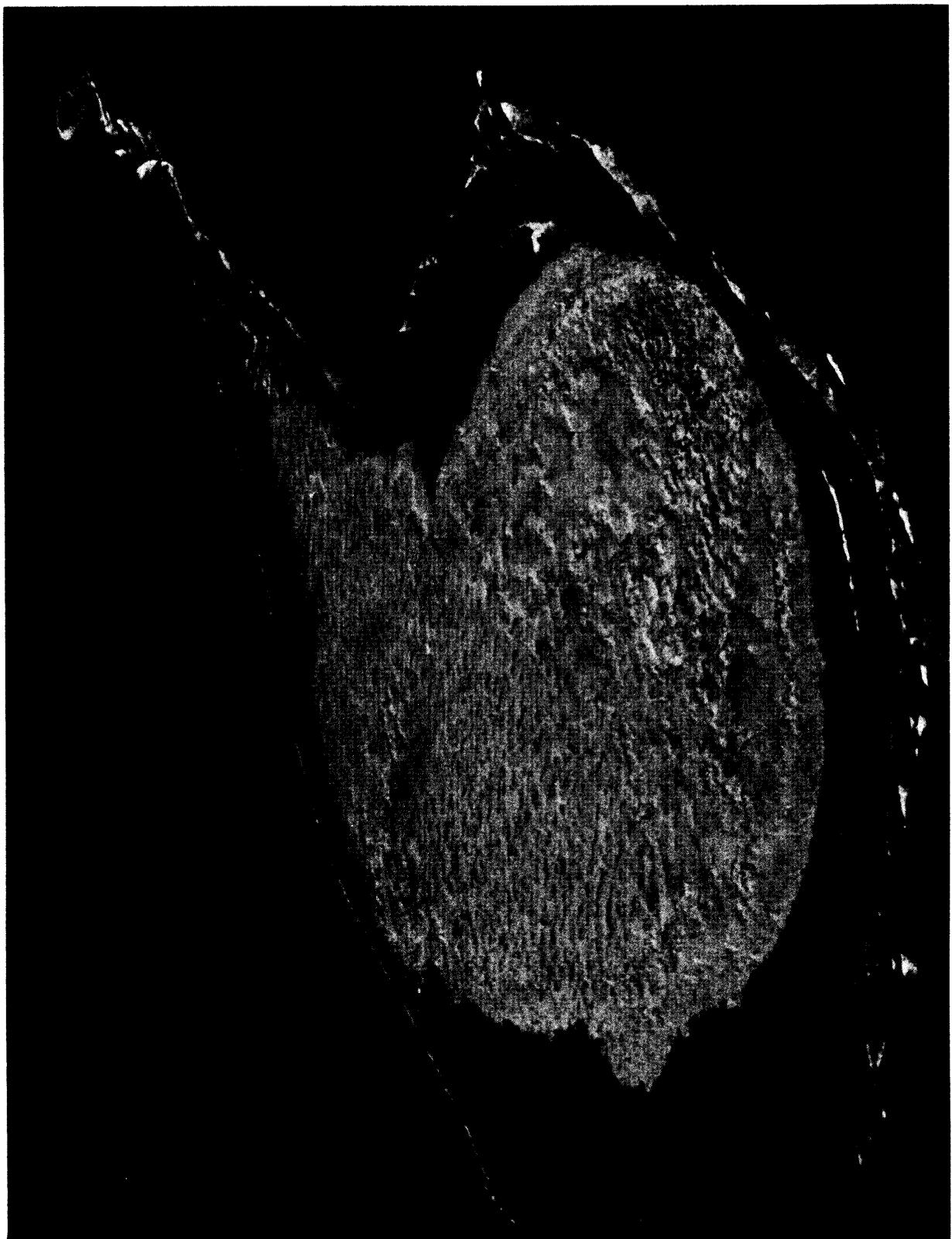
Whitcomb Island (174025) 1977 S.G. Herman



AREA 174, Copalis Beach, South (cont'd.)

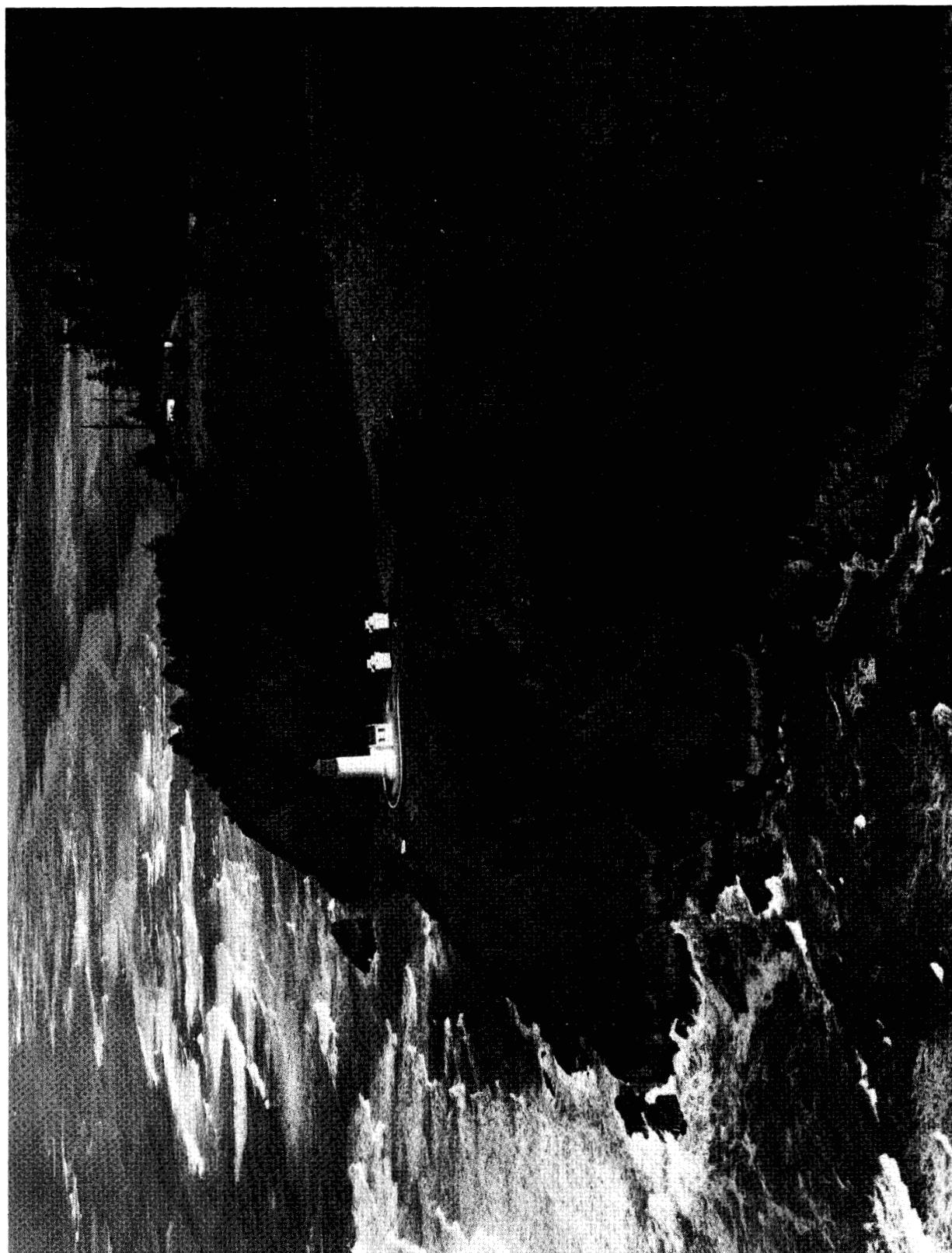


"Whaleback Island" (174105), left; "Gunpowder Island" (174016) 1977 S.G. Herman

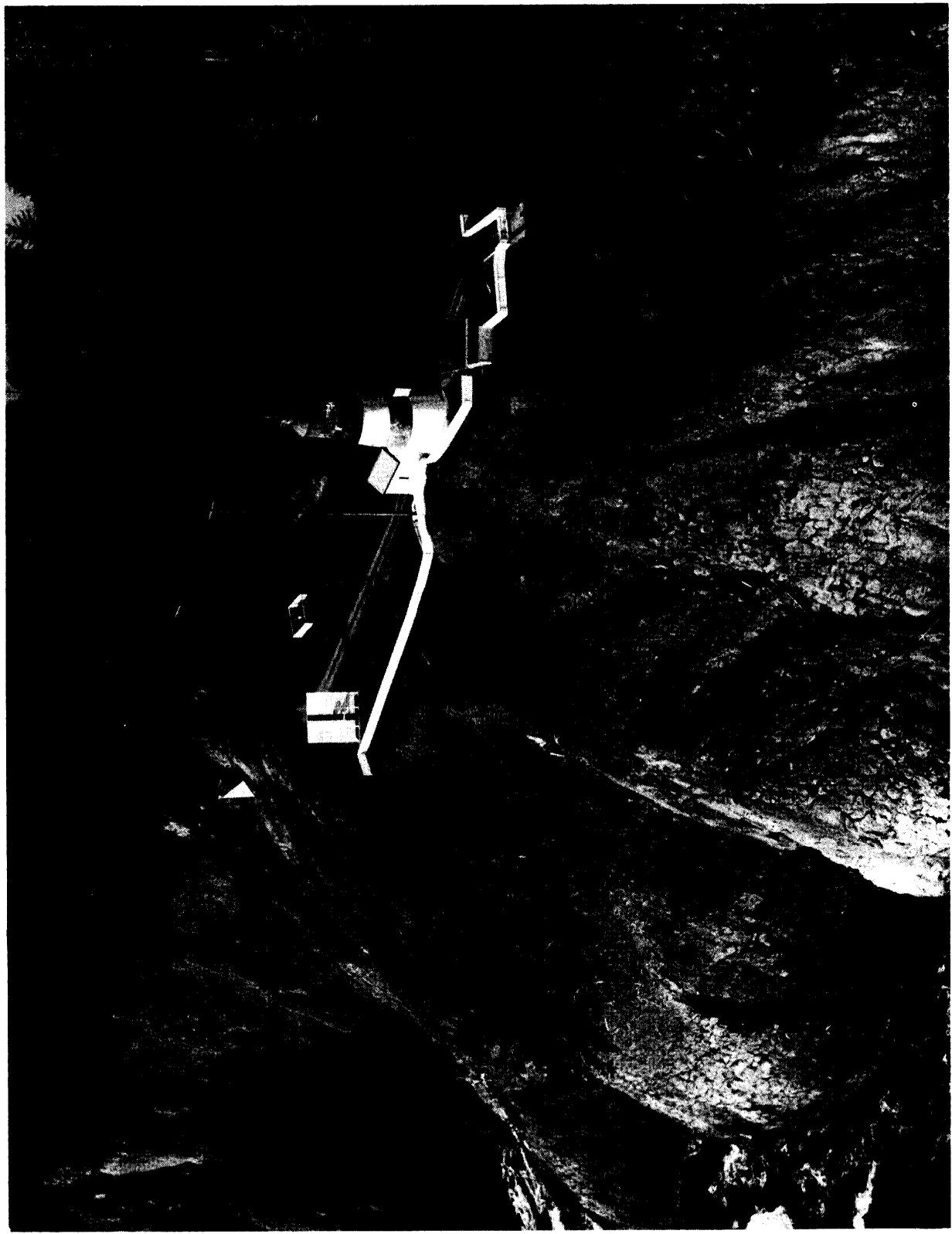


"Gunpowder Island" (174106) 1977 S.G. Herman

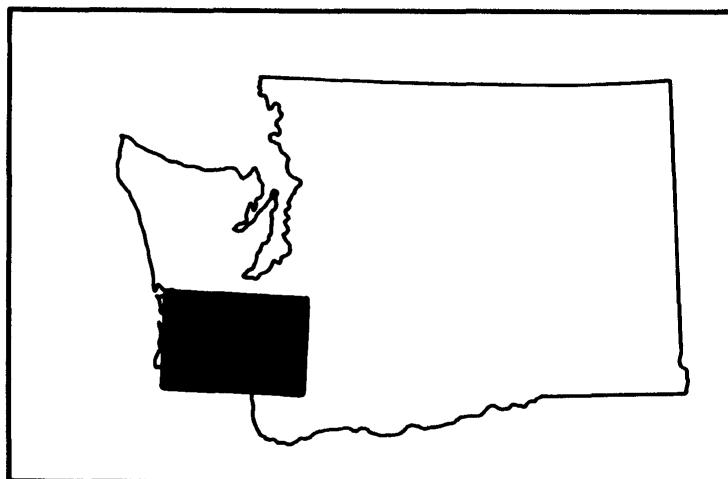
AREA 174, Conalis Beach, South (cont'd.)



North Head, Cape Disappointment (174107) U.S. Coast Guard



Cape Disappointment (174108) U.S. Coast Guard



195

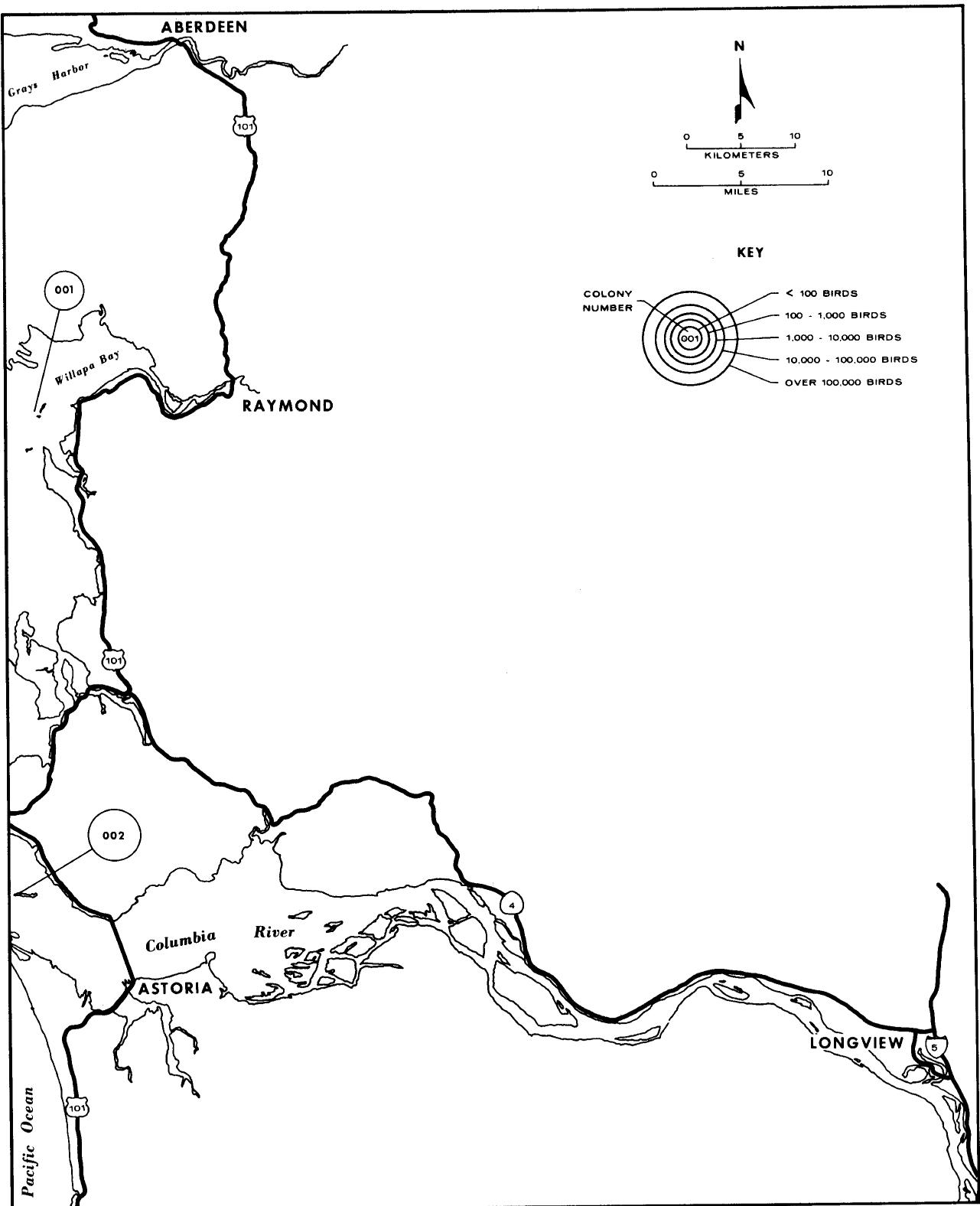
## Hoquiam

The map on the facing page is an index to the locations of colonies within map 195, Hoquiam. On the pages following this map, all colonies are listed sequentially and a detailed map of each is provided.

Numbers of breeding seabirds will vary from year to year. Below are the approximate numbers of breeding seabirds within this region.

Glaucous-winged and Western gulls	1,900
Caspian Tern	2

# 195 HOQUIAM



## AREA 195, Hoquiam (cont'd.)

(001)

Ellen Sands, complex<sup>1</sup> 46°40'00"N, 123°57'30"W

Ring-billed Gull	N	Speich; Harrington-Tweit	06/07/82	L III 257;124
Glaucous-winged Gull	190	Speich; Harrington-Tweit	06/07/82	L I 257;124
Caspian Tern	2	Speich; Harrington-Tweit	06/07/82	L I 257;124
Total	192			
Ring-billed Gull	80	Benson <sup>2</sup>	06/10/68	? ? 27
Ring-billed Gull	54	Penland and Jeffries 1977 <sup>2</sup>	06/01/76	A II 212
Ring-billed Gull	40	Penland and Jeffries 1977 <sup>2</sup>	06/09/76	B I 212
Ring-billed Gull	4	Jeffries <sup>2</sup>	06/09/76	E - 153
Ring-billed Gull	N	Harrington-Tweit <sup>3</sup>	Summer/77	L III 125
Ring-billed Gull	N	Harrington-Tweit <sup>4</sup>	06/29/77	L III 124
Glaucous-winged Gull	X	Penland and Jeffries 1977 <sup>2</sup>	06/01/76	A III 212
Glaucous-winged Gull	300	Penland and Jeffries 1977 <sup>2</sup>	06/09/76	L III 212
Glaucous-winged Gull	196	Harrington-Tweit <sup>4</sup>	06/29/77	L I 124
Caspian Tern	500	Benson <sup>2,4</sup>	06/10/68	? ? 27
Caspian Tern	-700	Penland and Jeffries <sup>2</sup>	06/01/76	A III 212
Caspian Tern	200+	Harrington-Tweit <sup>4</sup>	05/20/77	A III 124
Caspian Tern	N	Harrington-Tweit <sup>4</sup>	06/29/77	L III 124

<sup>1</sup>Ellen Sands is defined here as to include Ellen Sands, Snag Island, and Pine Island. These sand islands are not stable; there is confusion in their names and locations on various maps; and investigators are not always specific as to the site visited.

<sup>2</sup>Attributed to Ellen Sands.

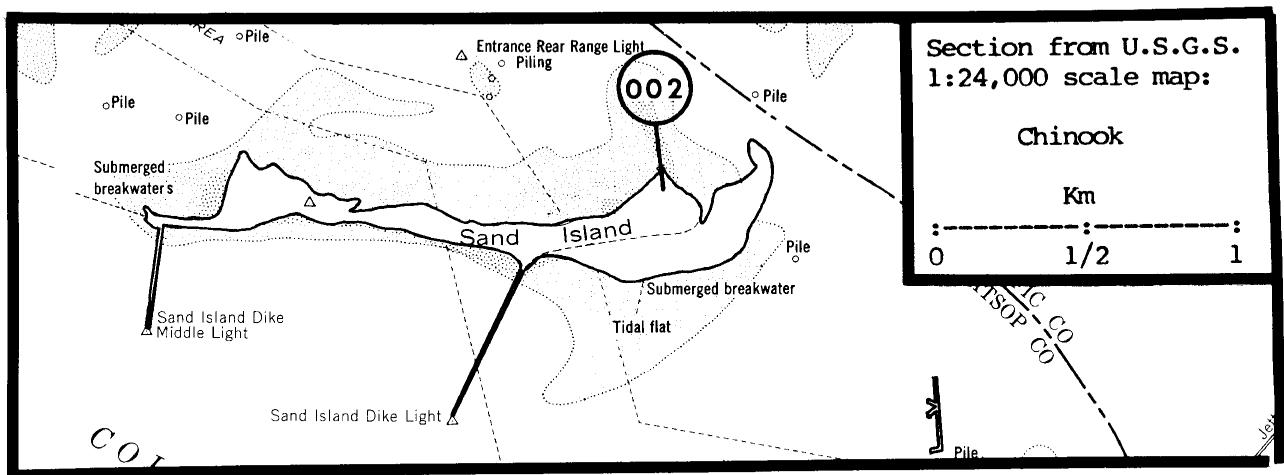
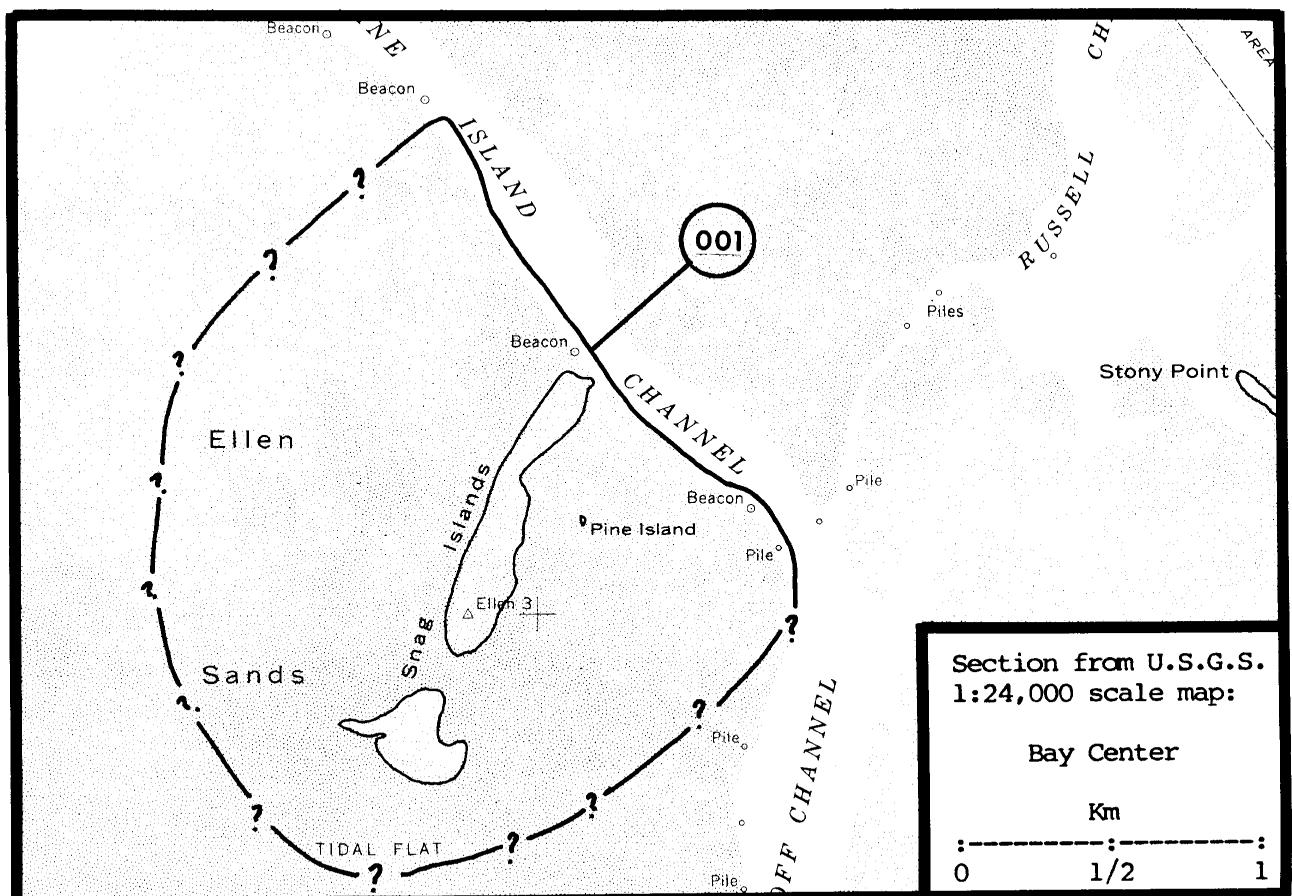
<sup>3</sup>Attributed to Snag Island.

<sup>4</sup>Attributed to Pine Island.

(002)

Sand Island, East 46°15'45"N, 123°57'45"W

Glaucous-winged Gull	1750	Richter	06/04/81	L II 232
Glaucous-winged Gull	1240	Peters et al. 1978	06/21/77	L III 216
Glaucous-winged Gull	X	Peters et al. 1978	06/22/77	L III 216
Glaucous-winged Gull	X	Peters et al. 1978	06/30/77	L III 216
Glaucous-winged Gull	0	Peters et al. 1978	08/ ?/77	L III 216
Glaucous-winged Gull	600+	Richter	06/23/79	L III 232
Glaucous-winged Gull	100's	Speich	06/10/82	M III 255





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