

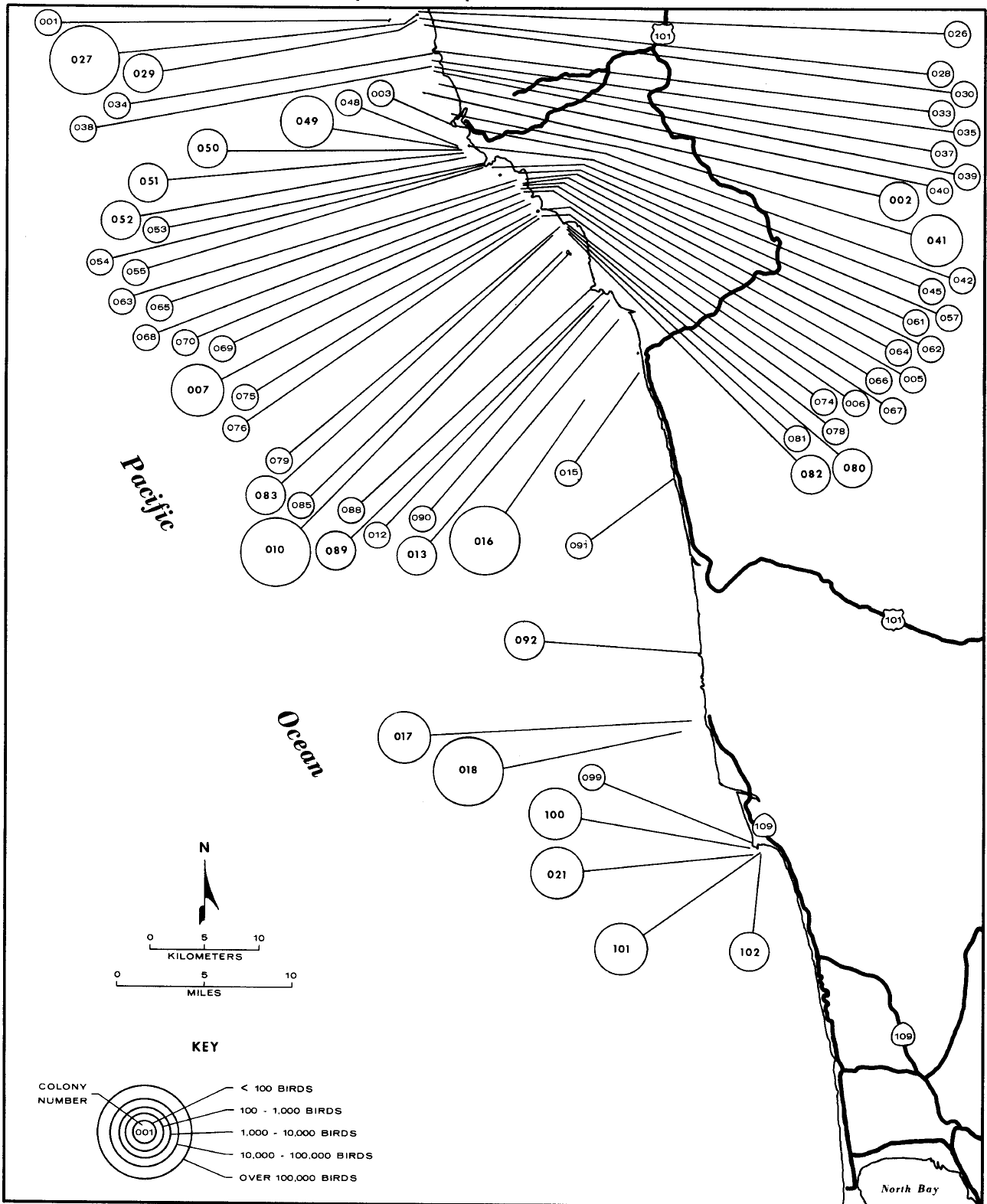
**174**  
**Copalis Beach**  
**(North)**

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.

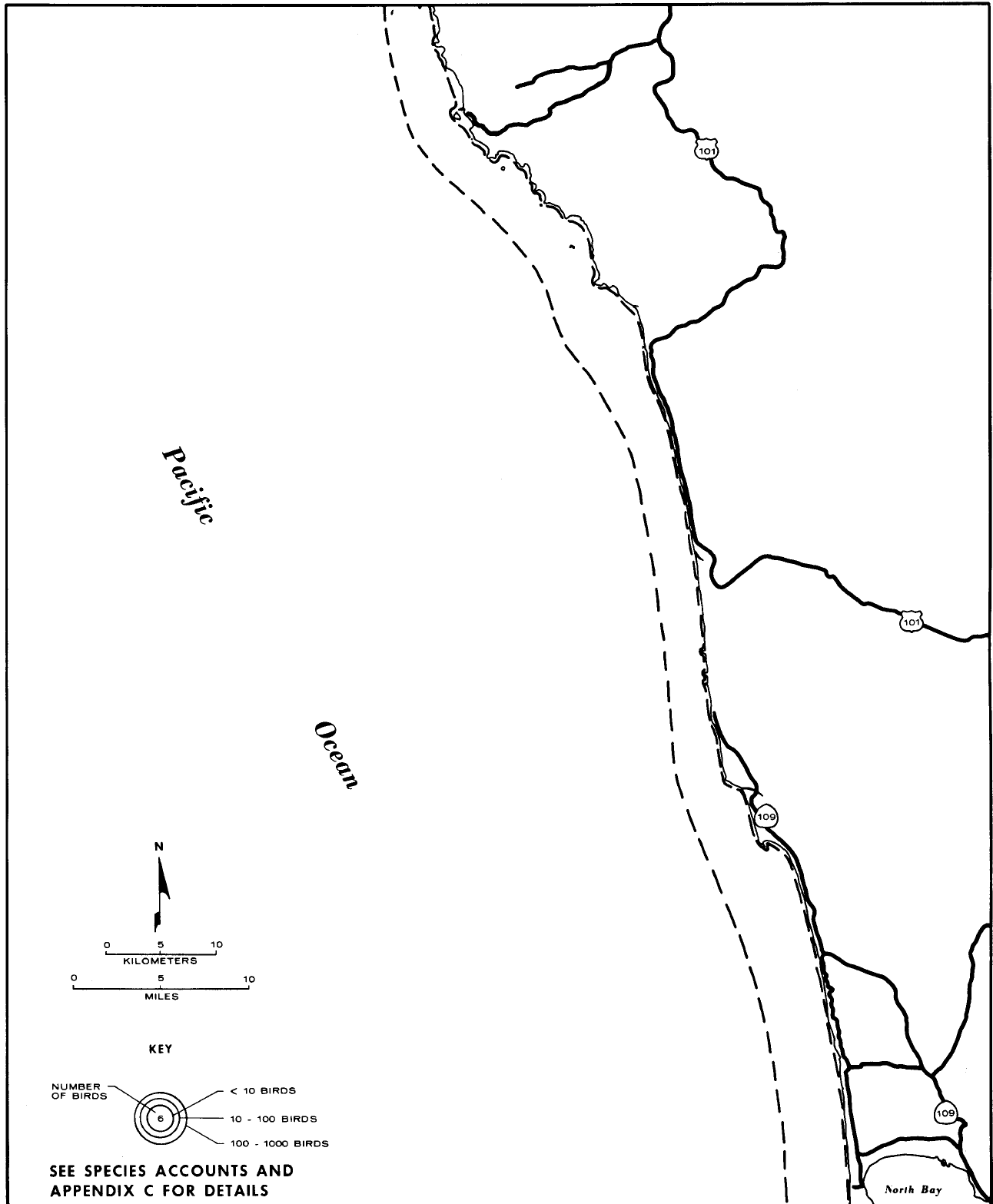
Numbers of breeding seabirds will vary from year to year. Below are the approximate numbers of breeding seabirds within this region.

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

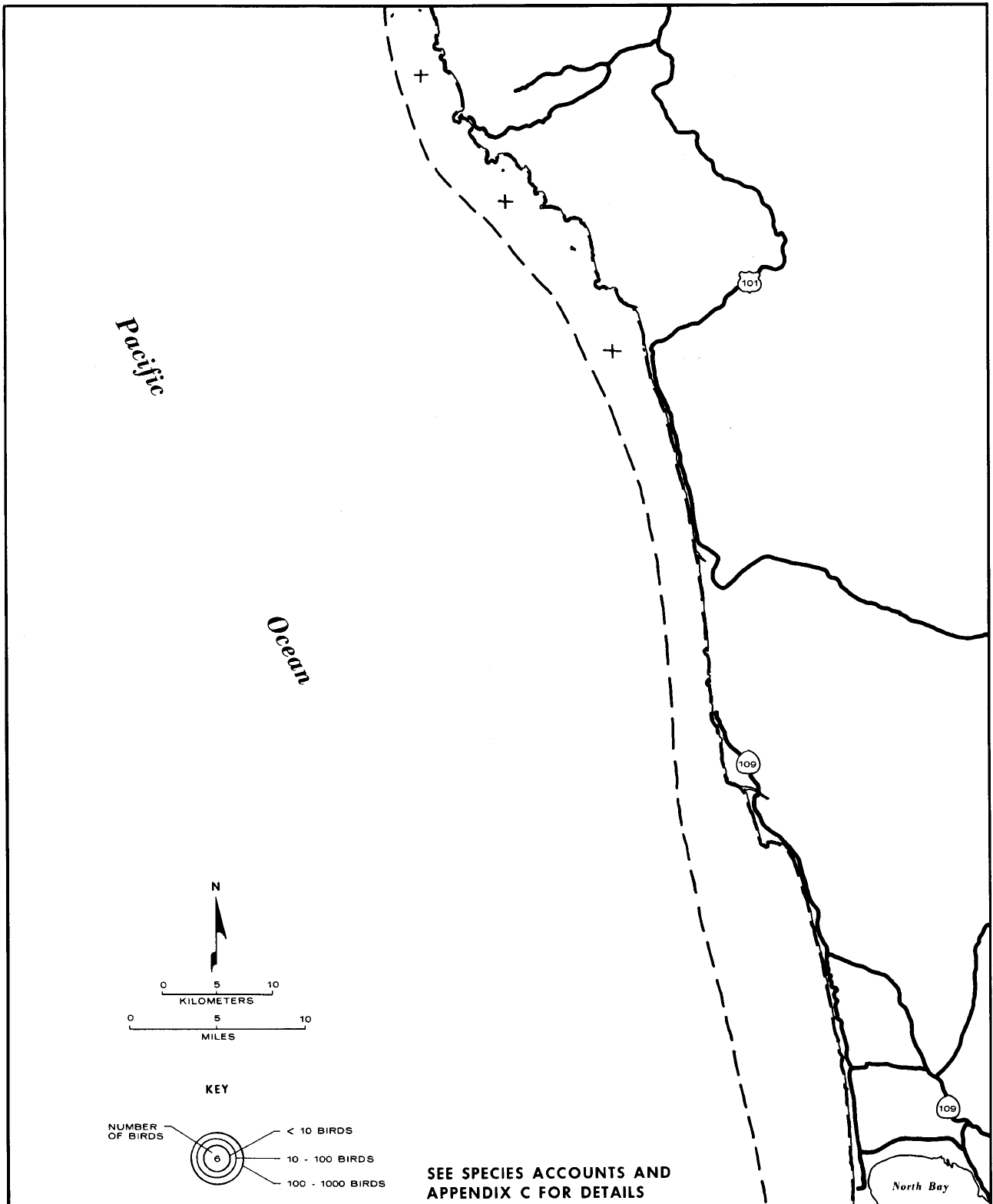
# 174 (NORTH) COPALIS BEACH



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										
<table border="1"> <tr> <td>PIGEON GUILLEMOT</td> <td>34</td> <td>SPEICH</td> <td>05/23/79</td> <td>B III</td> <td>255</td> </tr> </table>							PIGEON GUILLEMOT	34	SPEICH	05/23/79	B III	255
PIGEON GUILLEMOT	34	SPEICH	05/23/79	B III	255							
PIGEON GUILLEMOT	33	SPEICH	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.

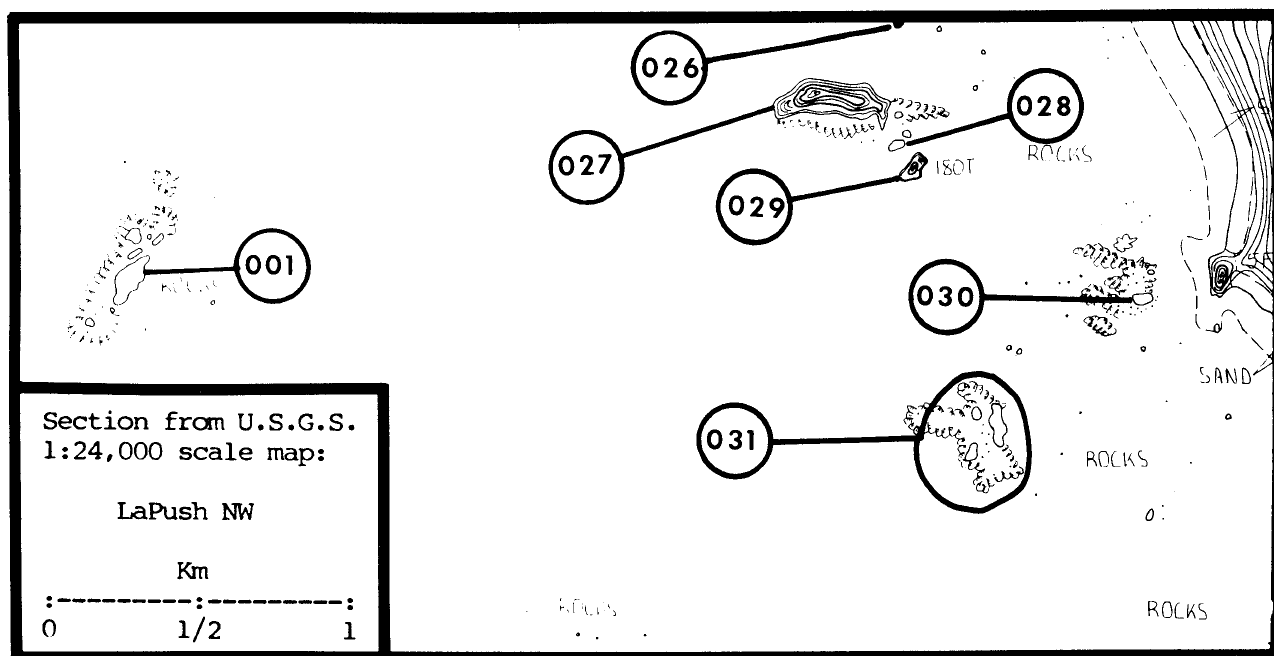
001

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

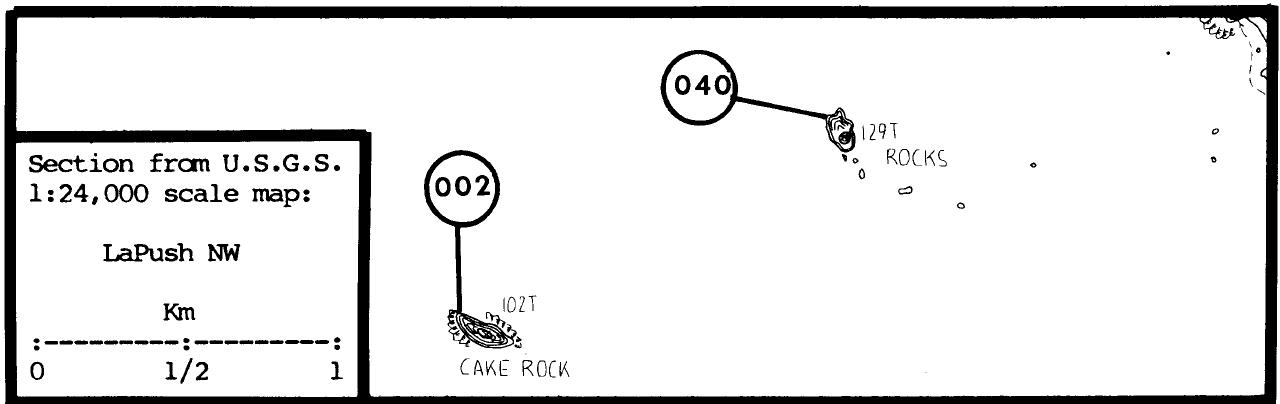
AREA 174, Copalis Beach, North (cont'd.)

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	2-4			

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

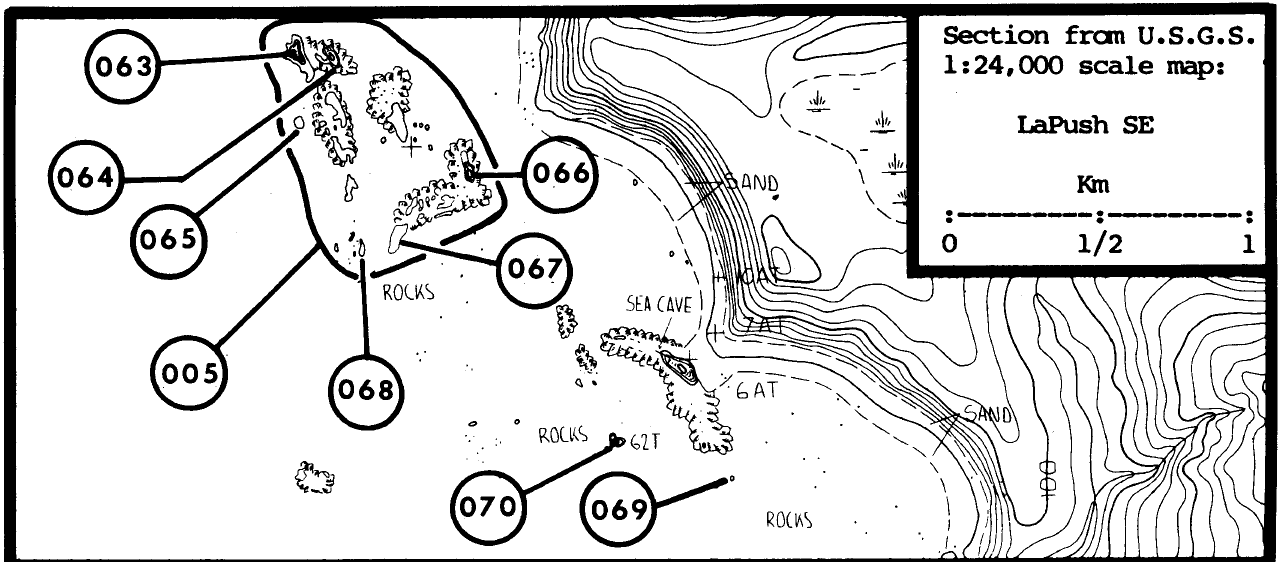
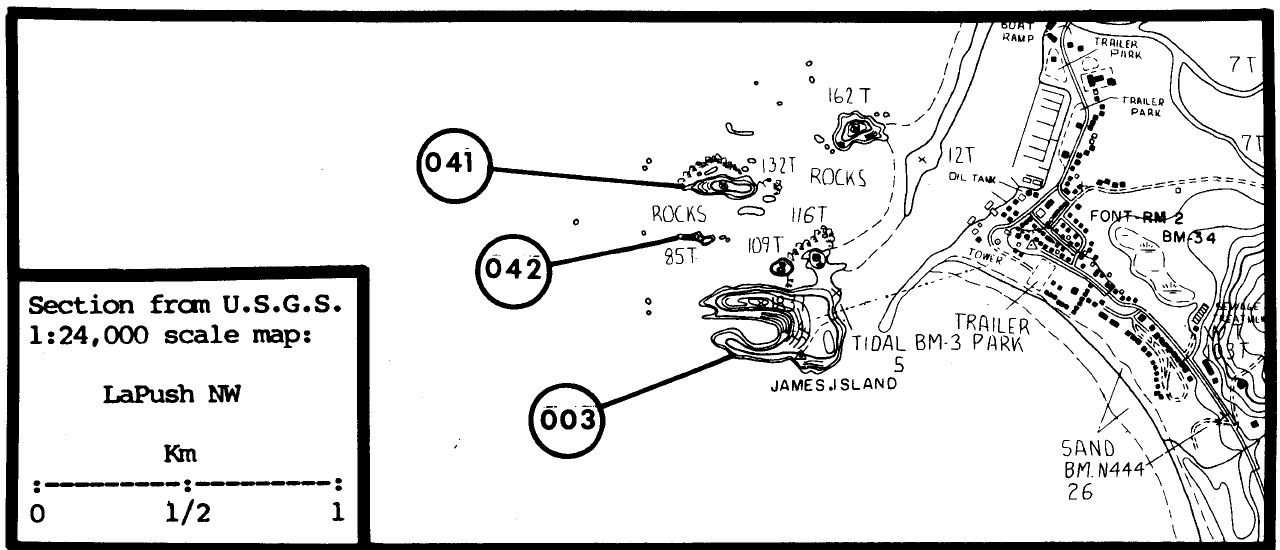
004 Quillayute Needle<sup>1</sup>

<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

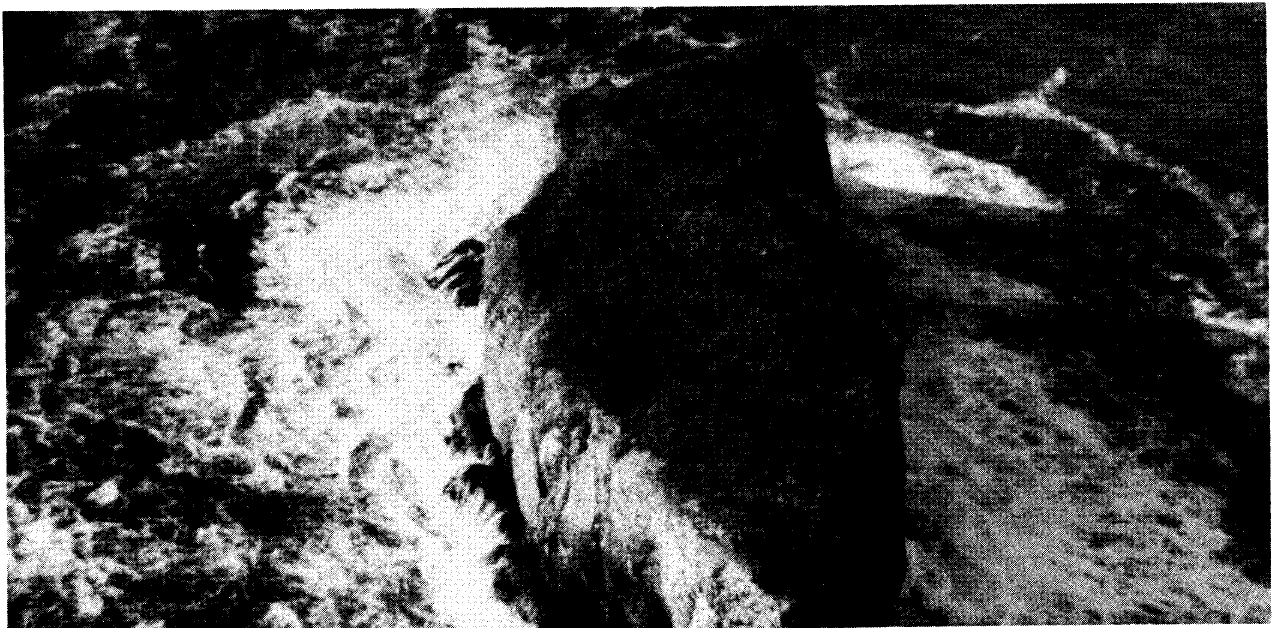
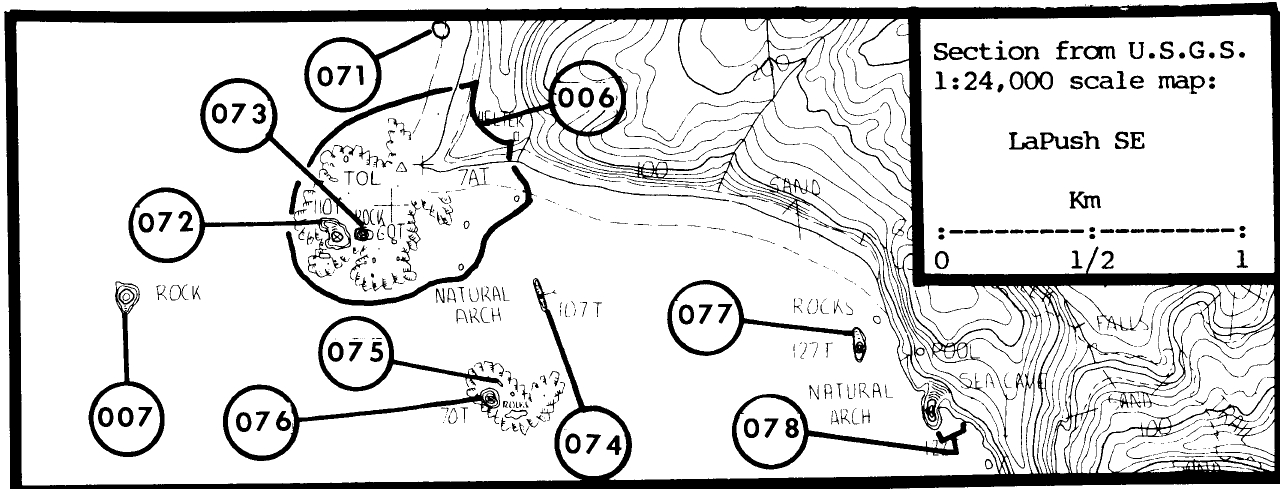
008 "South Round Island"<sup>1</sup>

<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.)

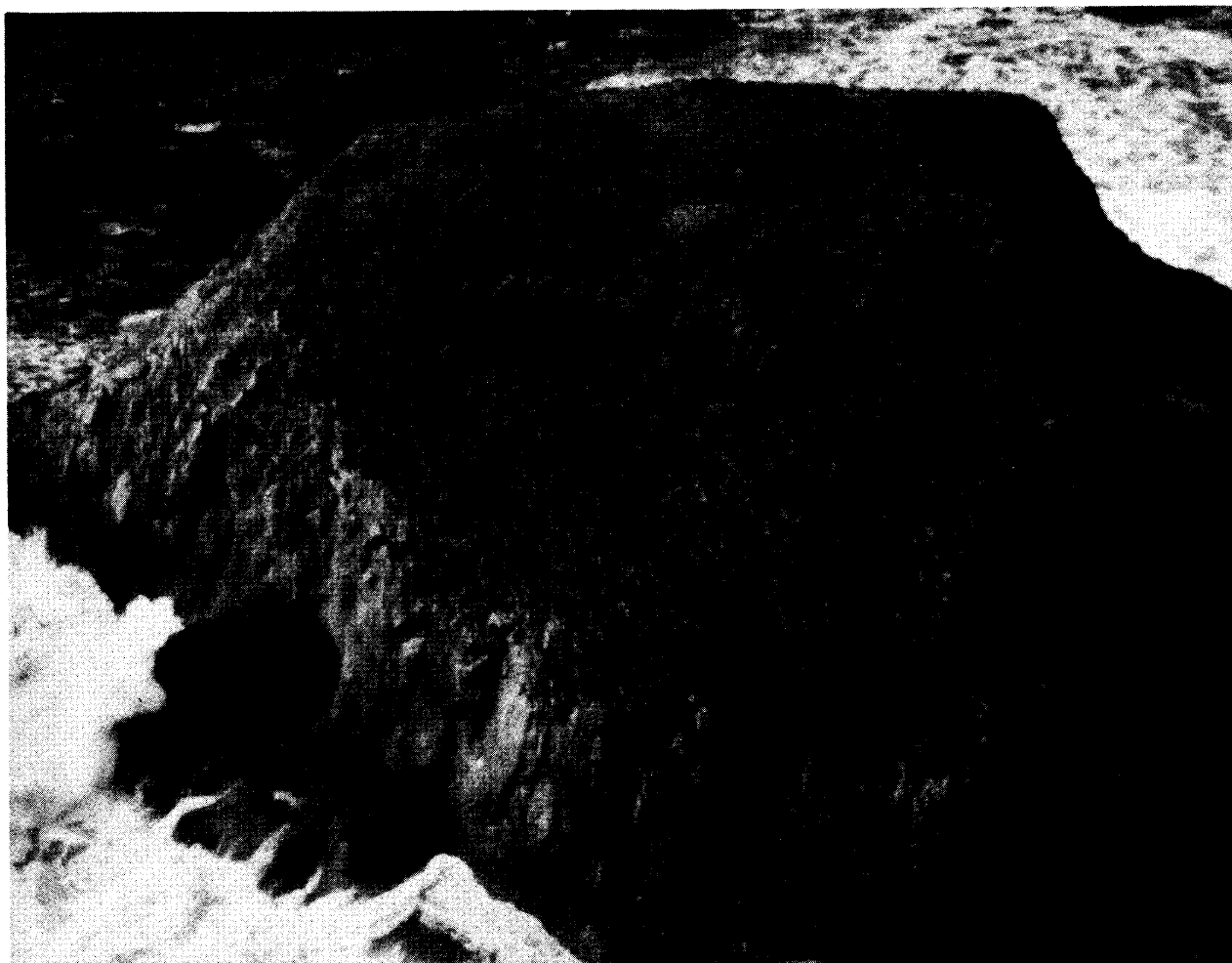
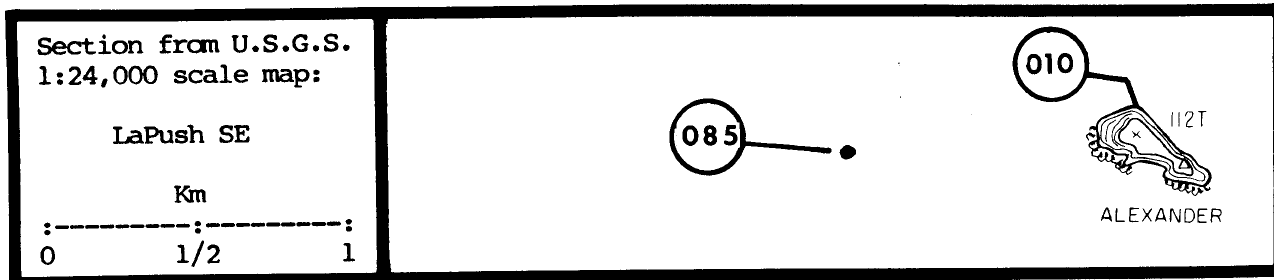
010

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



Rounded Island (174007) 19 November 1979 S.M. Speich

AREA 174, Copalis Beach, North (cont'd.)

011 Perkins Reef 47°46'28"N, 124°30'15"W

No Nesting Observed 0 Pitman 07/12/78 B III 217

012 North Rock 47°45'00"N, 124°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>			

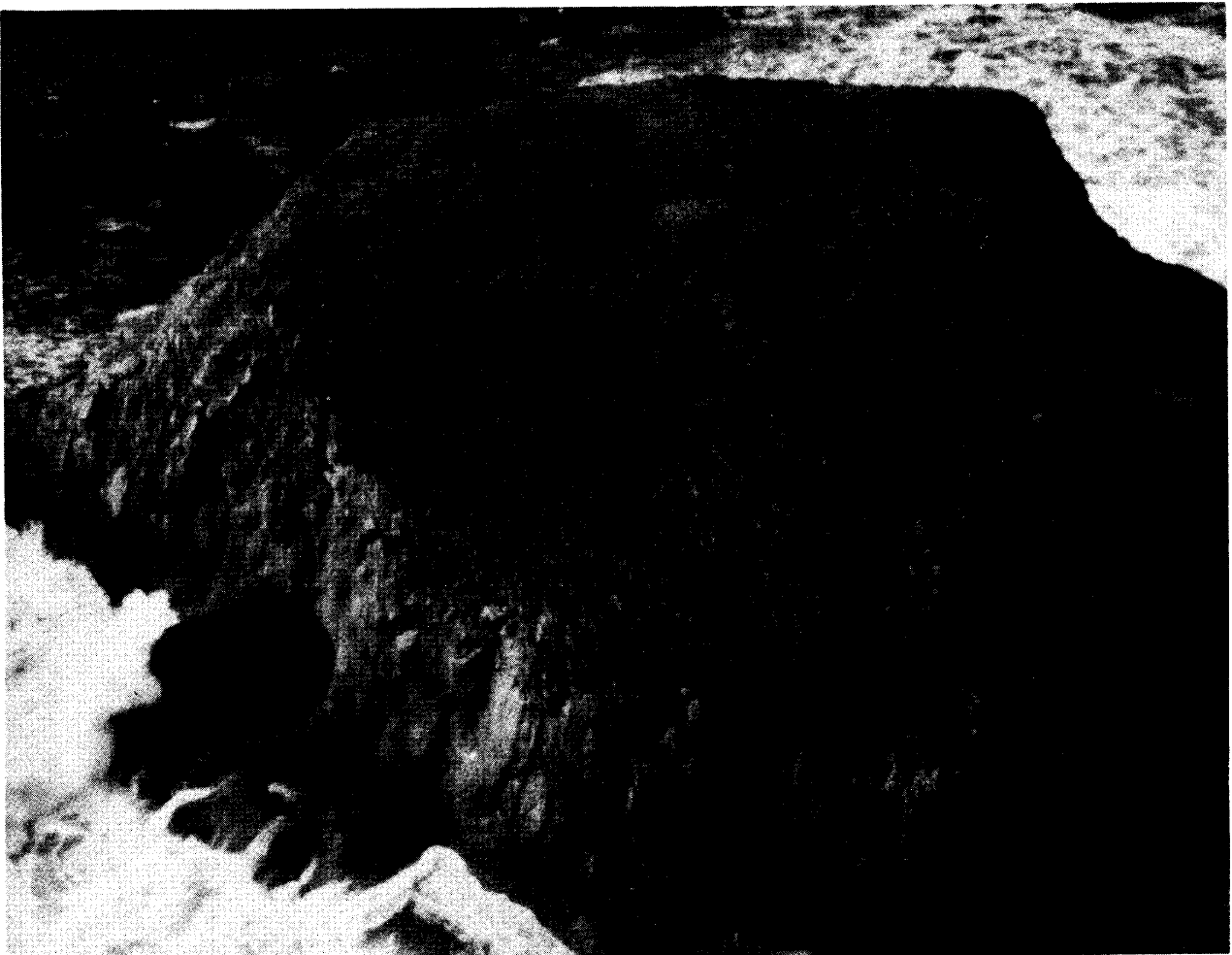
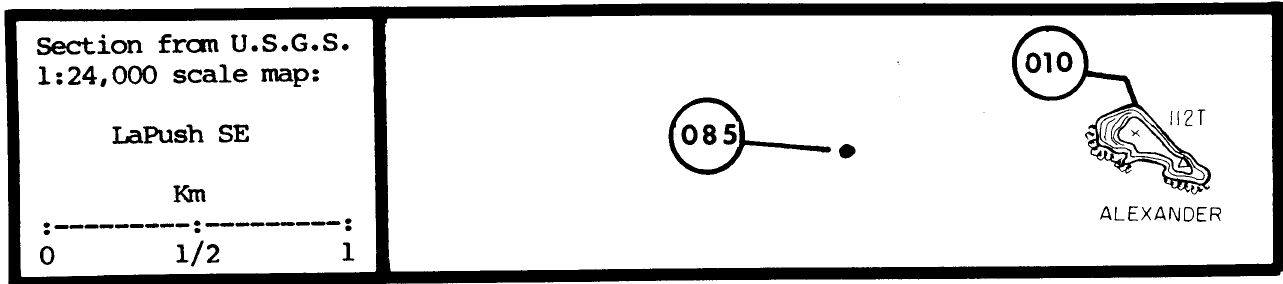
Double-crested Cormorant	200	Dawson 1908	06-07/ ?/06-07	B III 65
Double-crested Cormorant	23	Nysewander	06/14/74	B III 205
Double-crested Cormorant	116	Pitman	07/12/78	B II 217
Double-crested Cormorant	76	Speich	06/11/79	B II 255
Pelagic Cormorant	200	Dawson 1908	06-07/ ?/06-07	B III 66
Pelagic Cormorant	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°44'54"N, 124°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



Rounded Island (174007) 19 November 1979 S.M. Speich



AREA 174, Copalis Beach, North (cont'd.)

011 Perkins Reef 47°46'28"N, 124°30'15"W

No Nesting Observed 0 Pitman 07/12/78 B III 217

012 North Rock 47°45'00"N, 124°28'30"W

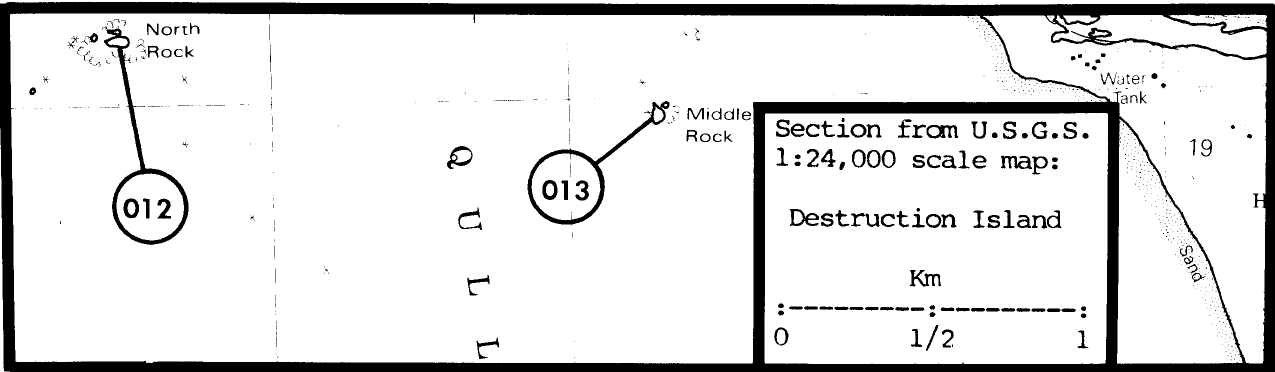
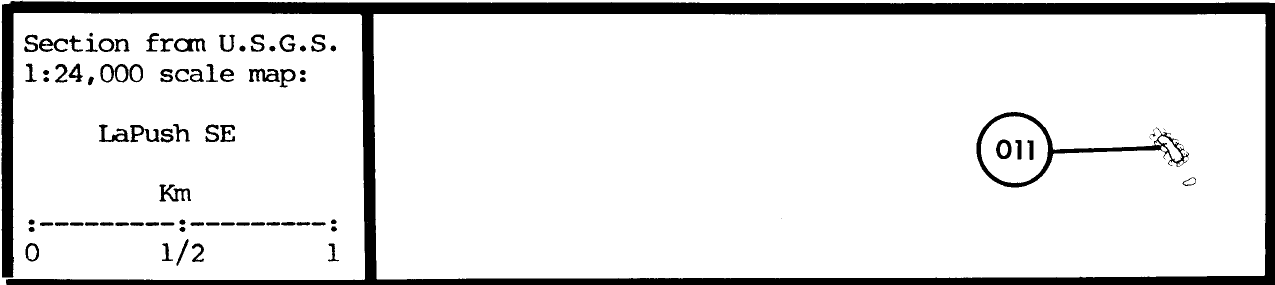
Double-crested Cormorant	18	Wilson	07/17/82	A II 287
Pelagic Cormorant	34	Wilson	07/17/82	A III 287
Pigeon Guillemot	6-8	Pitman	07/12/78	B III 217
Total	58-60			

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°44'54"N, 124°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	102			

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



Alexander Island (174010) July 1959 V.B. Scheffer

AREA 174, Copalis Beach, North (cont'd.)

014

Abbey Island 47°42'58"N, 124°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

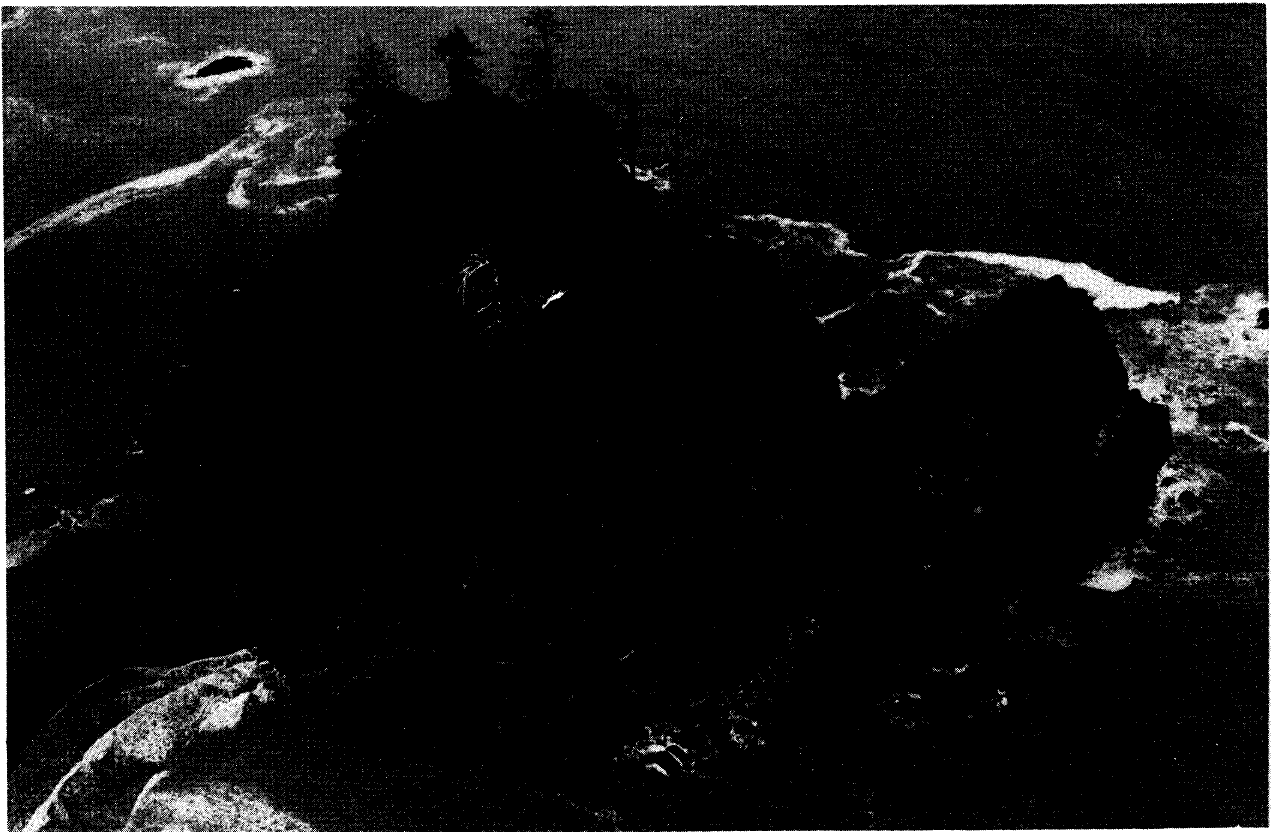
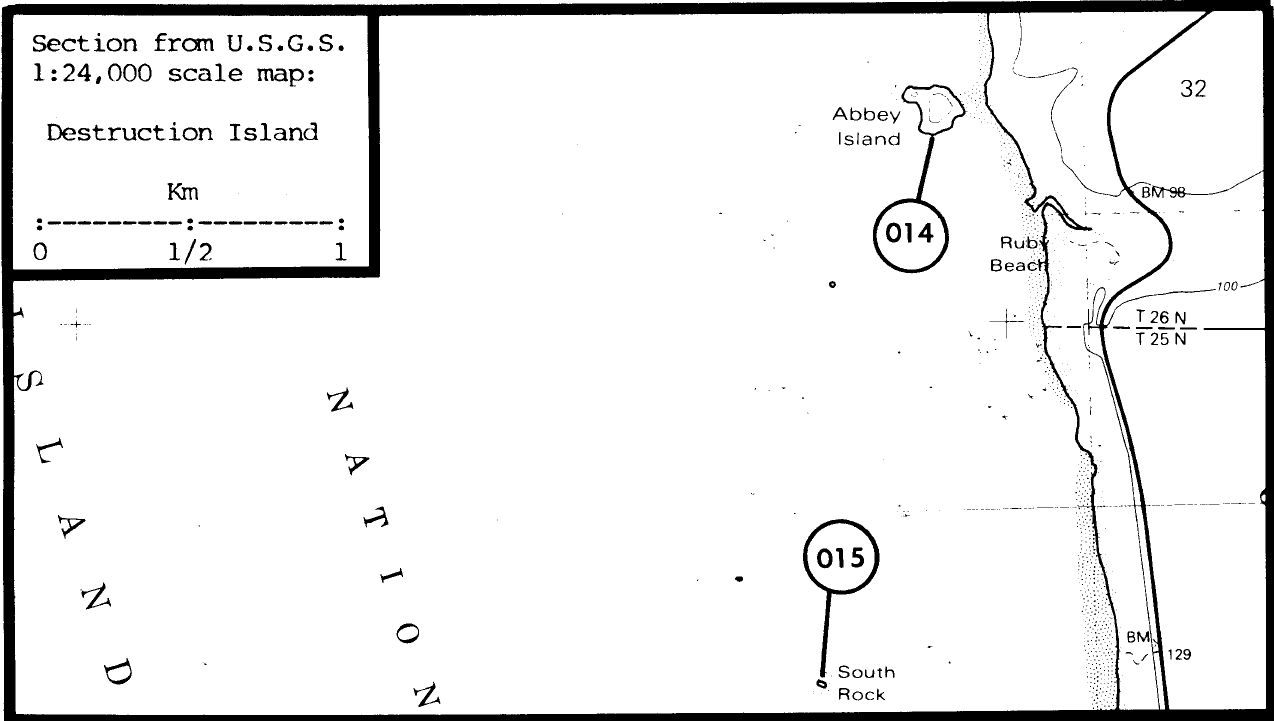
South Rock 47°41'57"N, 124°25'30"W

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
------------------	----	--------	----------	-----------



Alexander Island (174010) 15 July 1966 R. Glahn



Abbey Rock (174014) 15 July 1966 R. Glahn

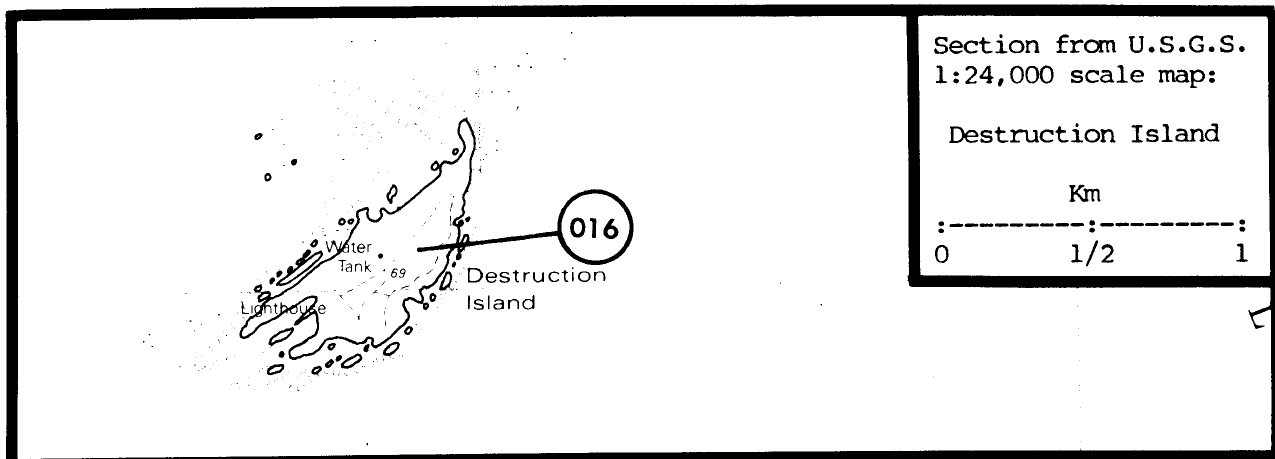
AREA 174, Copalis Beach, North (cont'd.)

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

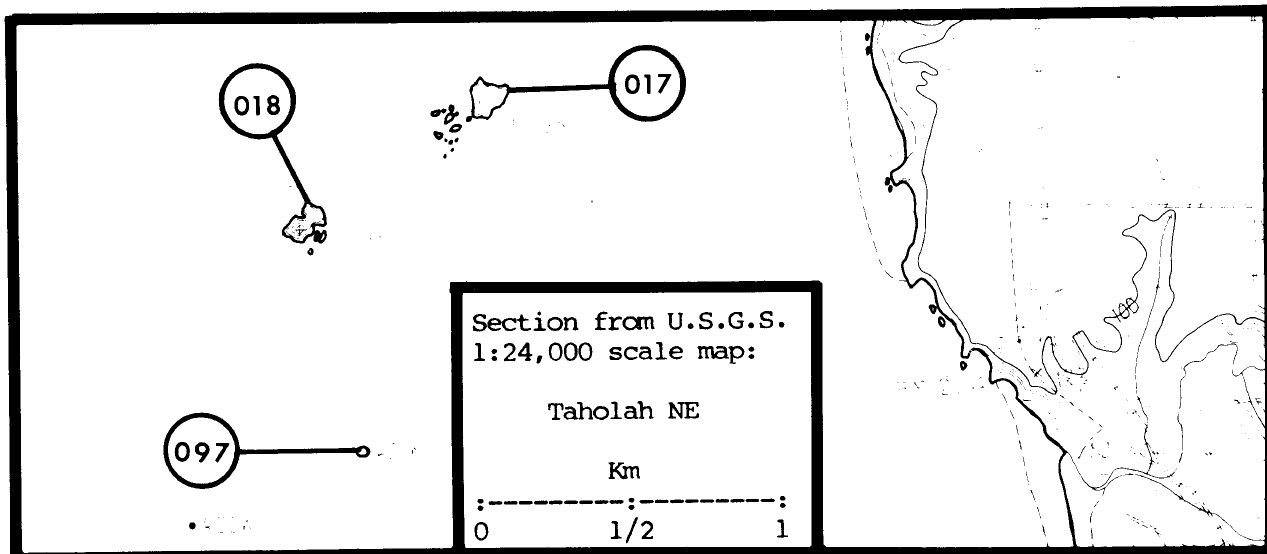
AREA 174, Copalis Beach, North (cont'd.)

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.)

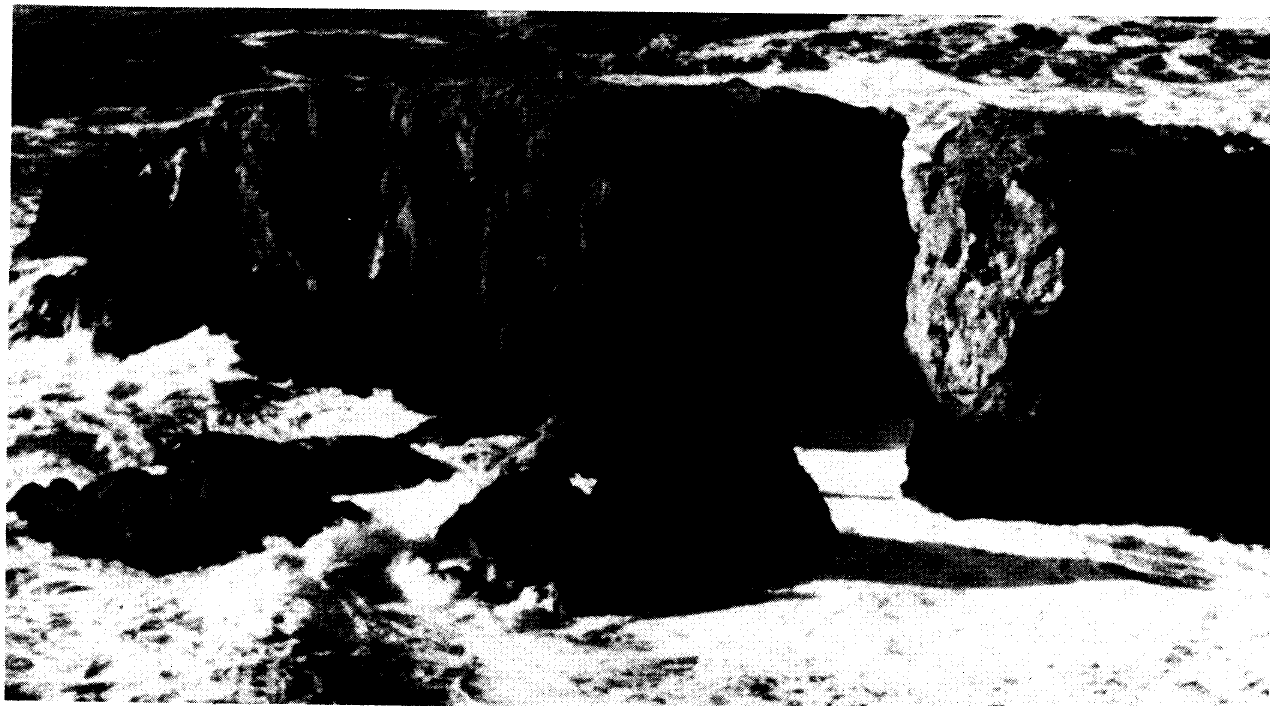
(018) Split Rock 47°24'29"N, 124°21'46"W

Double-crested Cormorant	316	Wilson	07/17/82	A II 287
Common Murre	10400	Wilson	07/17/82	A III 287
Total	10716			

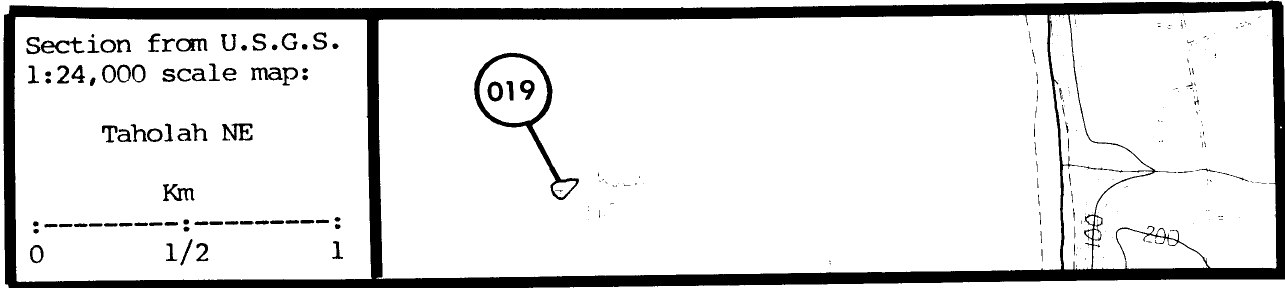
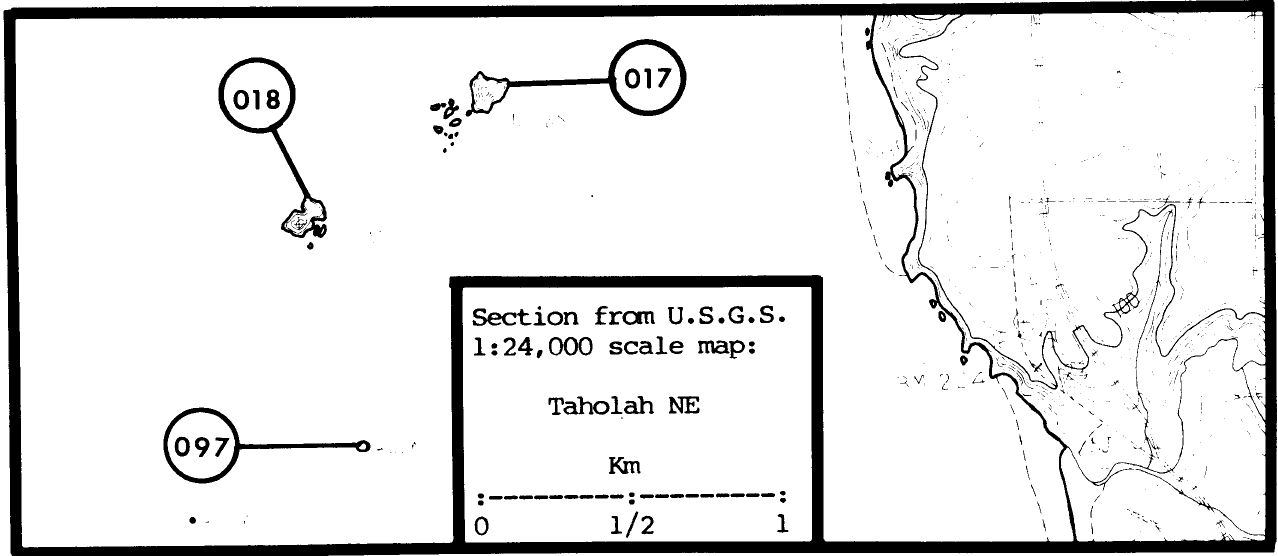
Double-crested Cormorant	4	Dawson 1908	06-07/ ?/06-07 ?	III 66
Double-crested Cormorant	210	Wilson	06/17/81	B I 287
Double-crested Cormorant	X	Wilson	07/20/81	A III 287
Brandt's Cormorant	236	Wilson	06/17/81	B I 287
Brandt's Cormorant	X	Wilson	07/20/81	A III 287
Pelagic Cormorant	60+	Wilson	06/17/81	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



Split Rock (174018) 19 November 1979 S.M. Speich



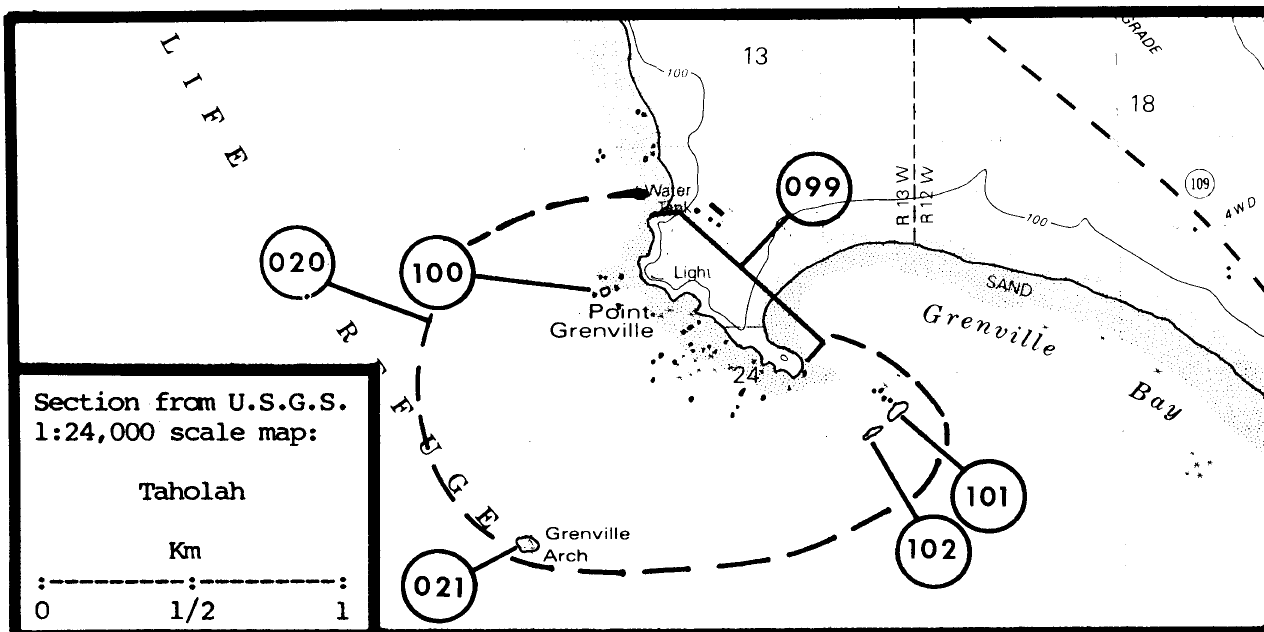
AREA 174, Copalis Beach, North (cont'd.)

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

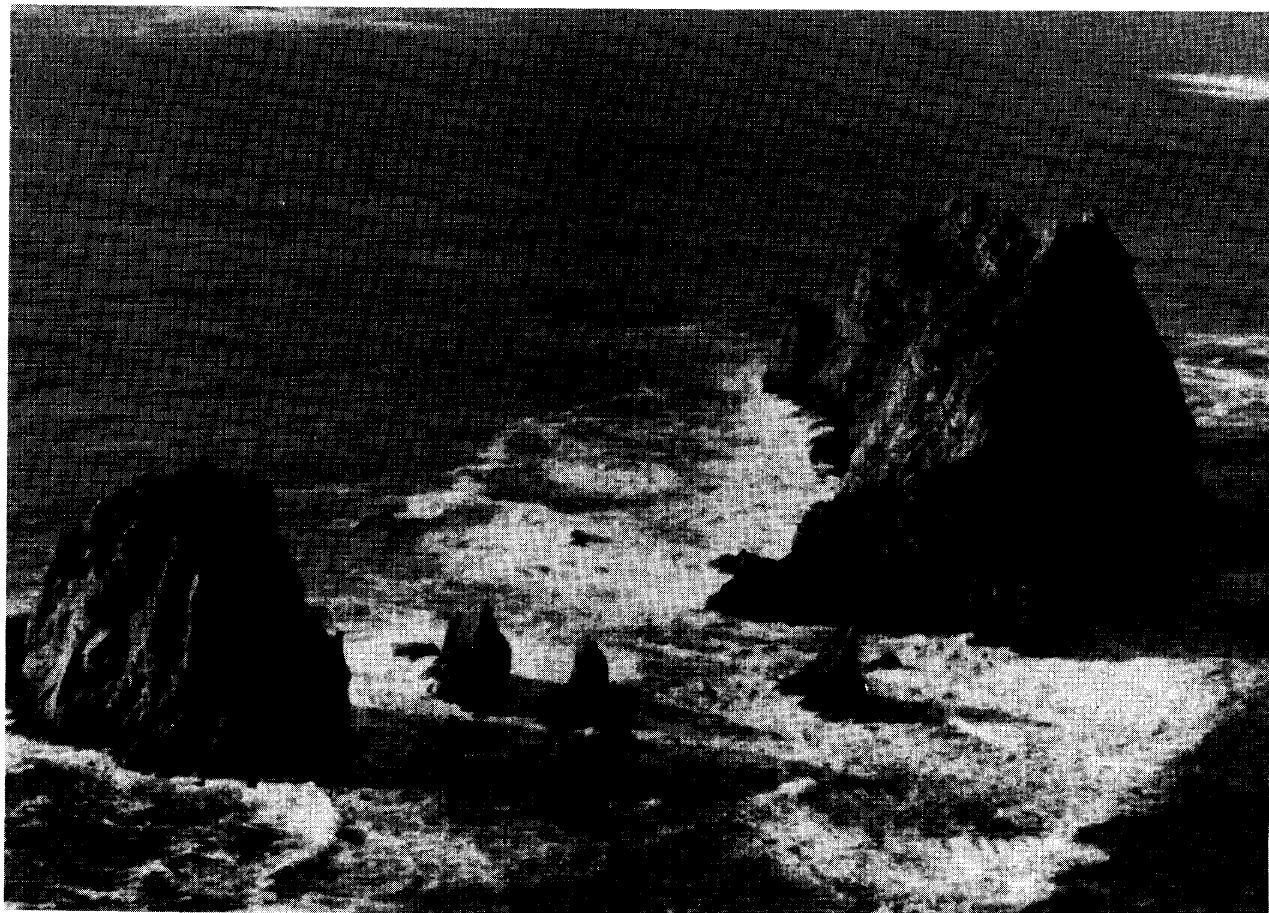
There are no definite records of marine birds nesting at this site.

023  
024  
025  
Goose Island  
Sand Island  
Whitcomb Flats

These sites are included in AREA 174, Copalis Beach, South

026 "Unnamed Rock" 47°59'59"N, 124°41'28"W

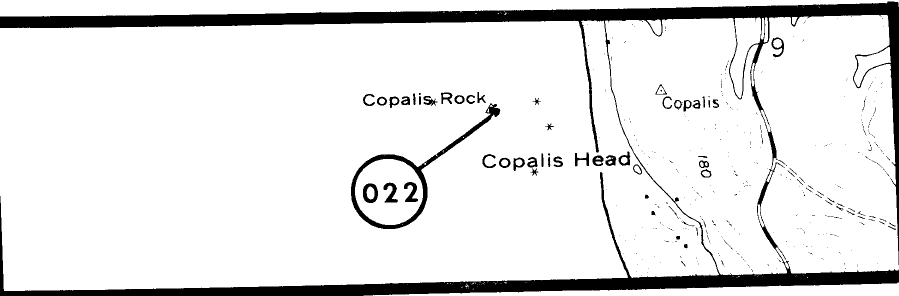
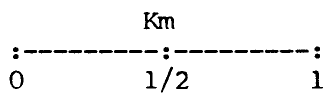
Pelagic Cormorant                      20    Pitman                      06/30/78                      B    I 217



Jagged Island (174027) (right) 19 November 1979 S.M. Speich

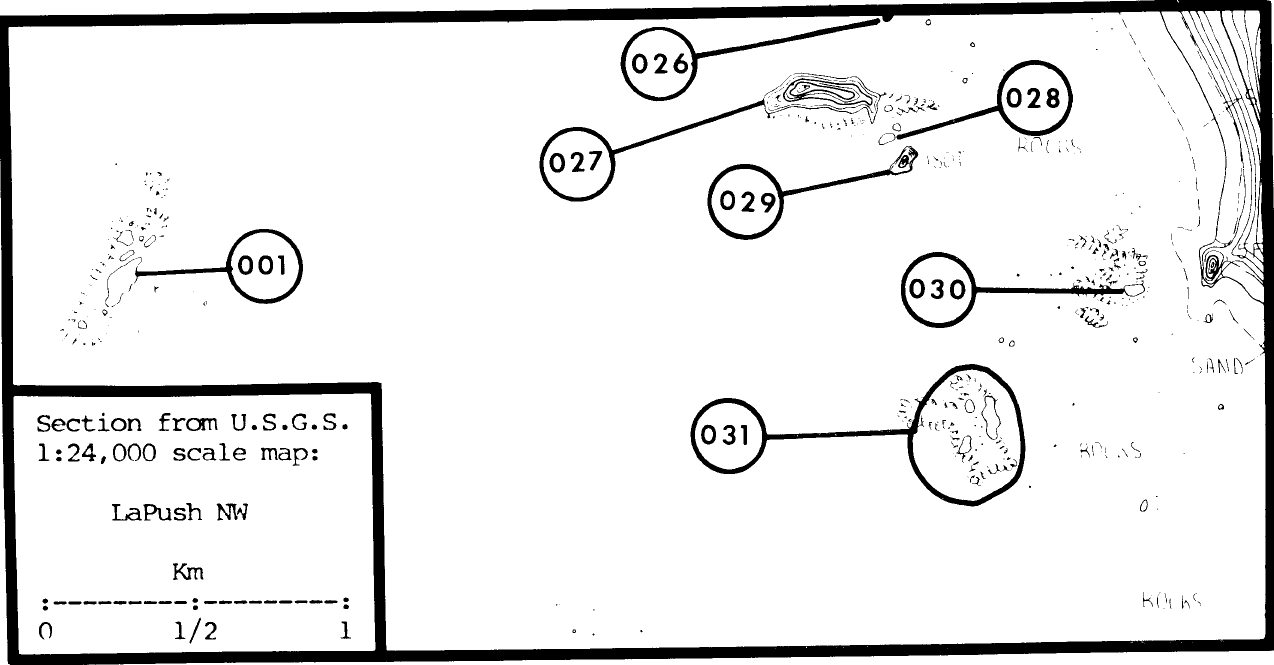
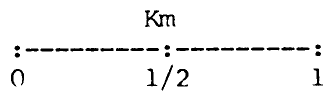
Section from U.S.G.S.  
1:24,000 scale map:

Moclips



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

LaPush NW



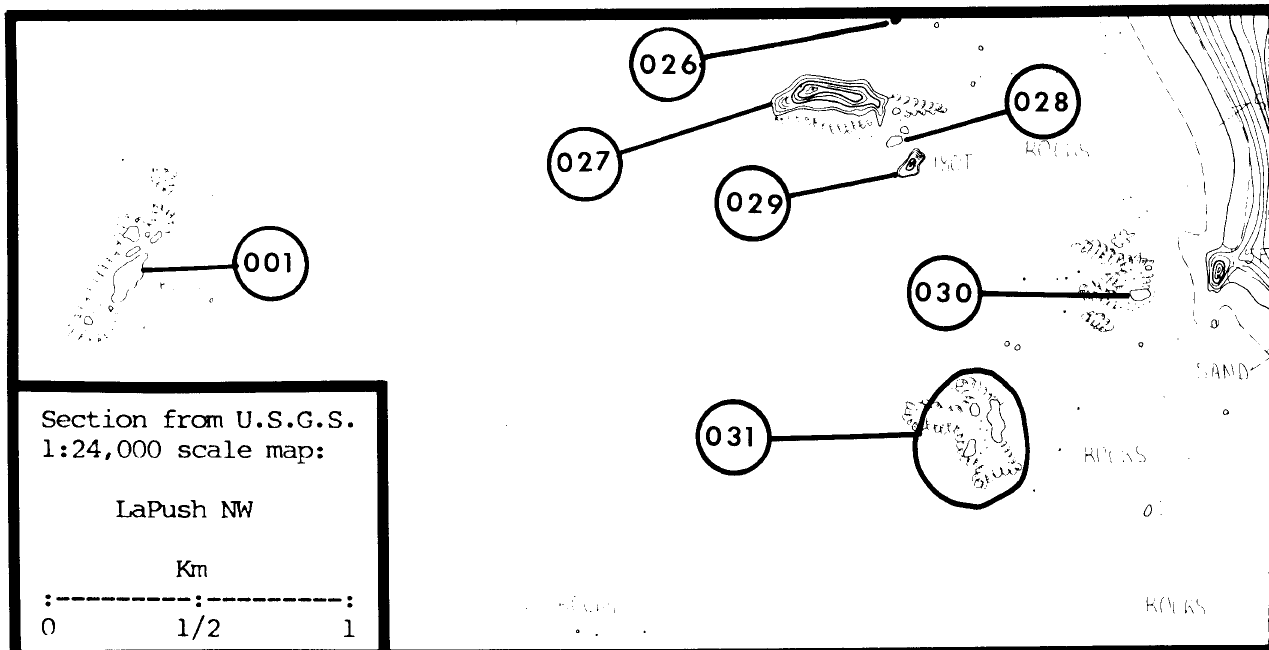
AREA 174, Copalis Beach, North (cont'd.)

027

Jagged Island (Wishaloolth; 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	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 & 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



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
---------------------	----	-----------------	----------	-----------

(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 Oystercatcher	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

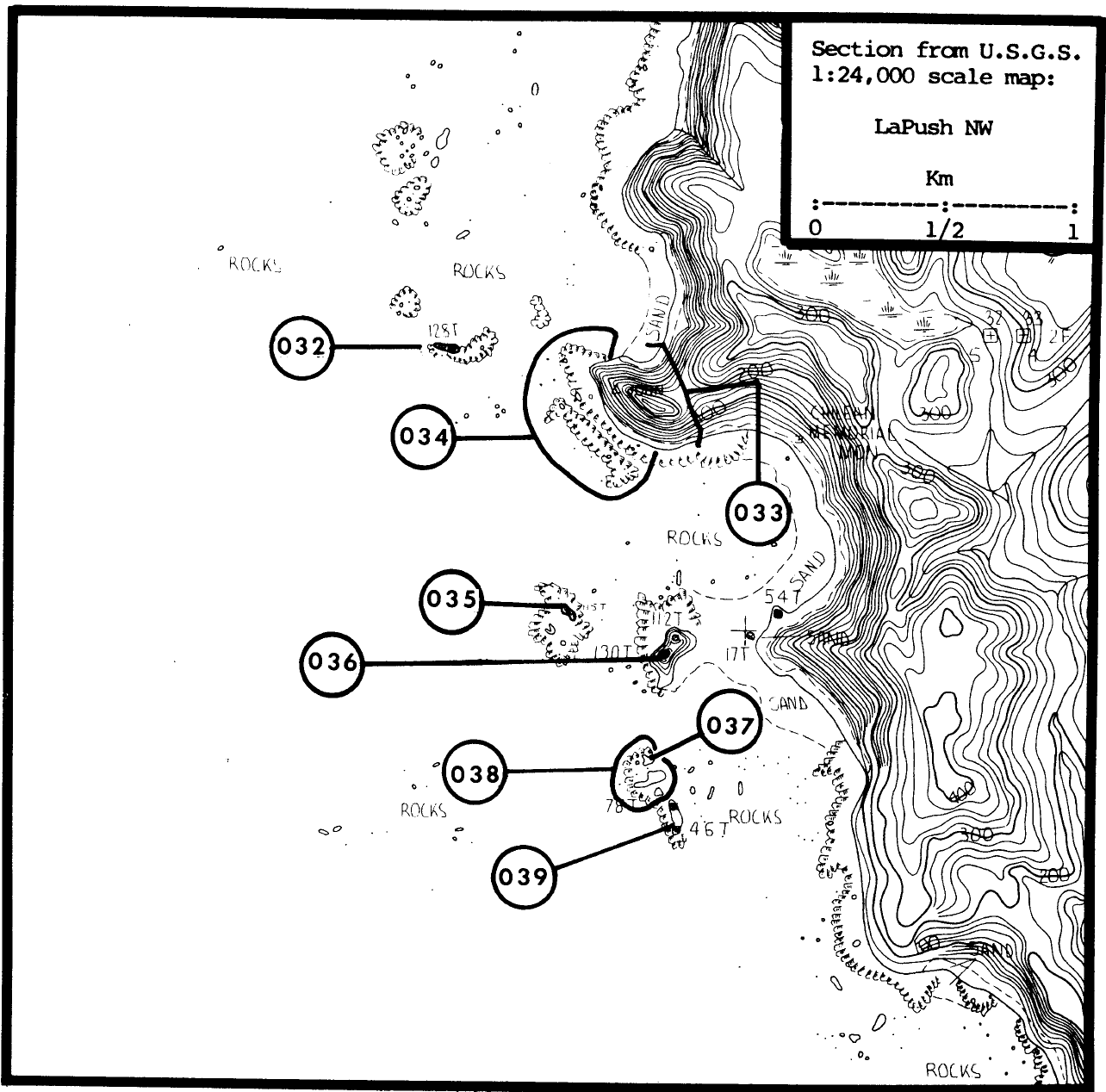
Black Oystercatcher	1	Speich	06/08/78	B III 255
Black Oystercatcher	3	Speich	07/22/78	B III 255
Pigeon Guillemot	2	Speich	06/08/78	B III 255

(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
---------------------	---	--------	----------	-----------



AREA 174, Copalis Beach, North (cont'd.)

(038) "Unnamed Rocks" 47°57'13"N, 124°40'20"W

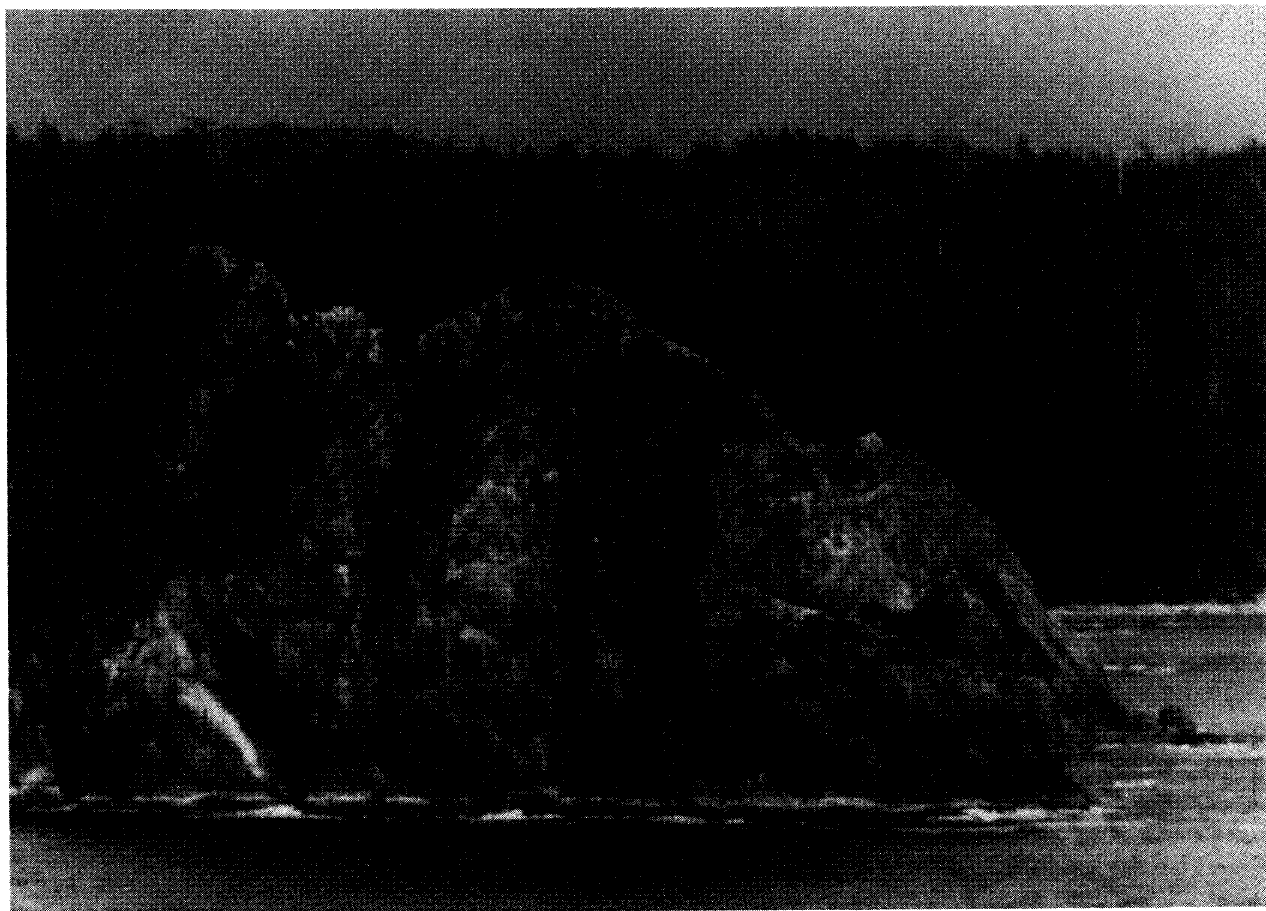
Black Oystercatcher	1	Speich	07/22/78	B III 255
Glaucous-winged Gull	1?	Speich	07/22/78	B III 255
Total	$\frac{2}{2}$			

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

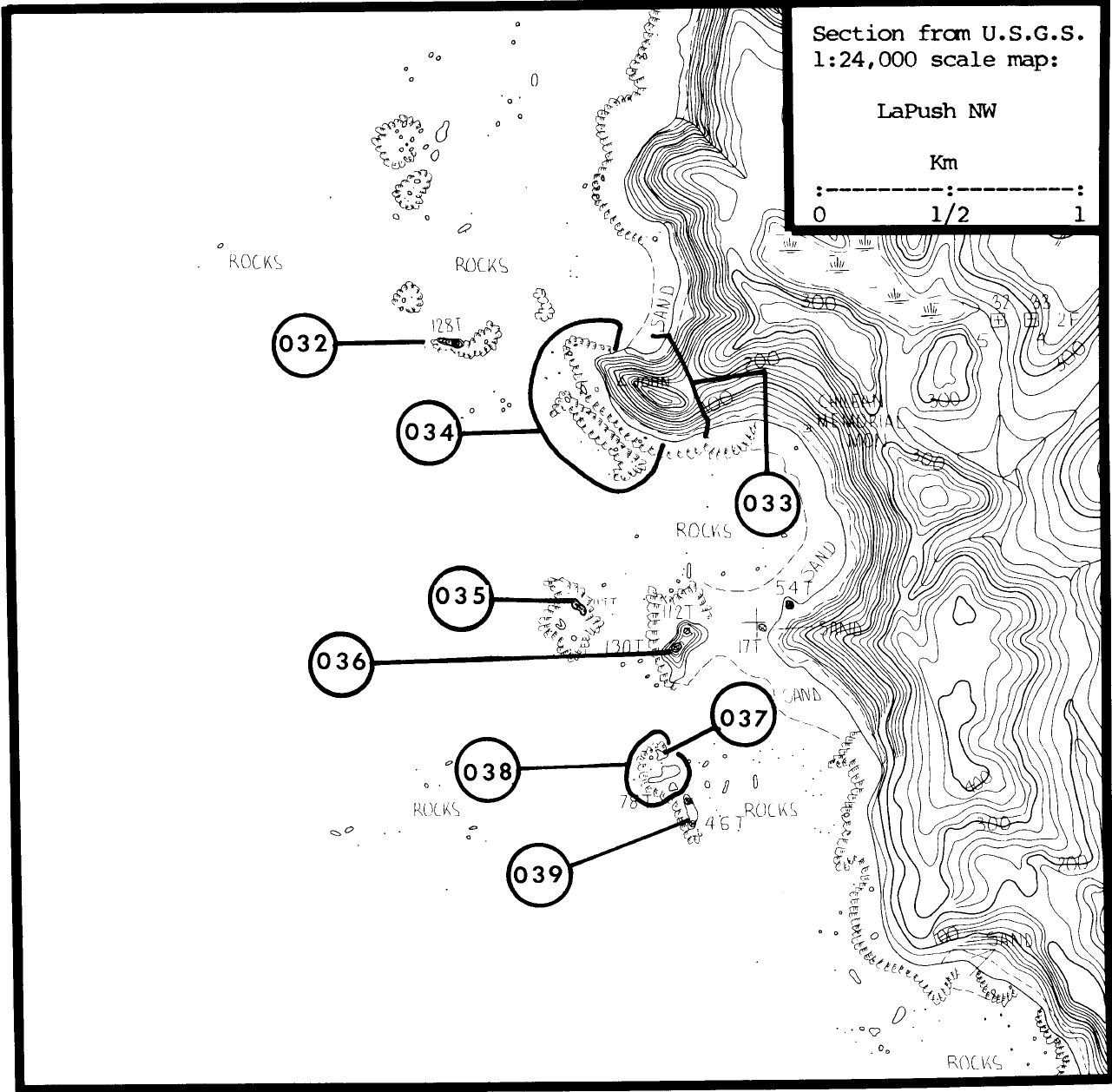
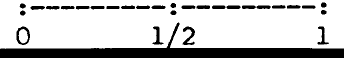


Jagged Island (174027) 8 June 1978 R.L. Pitman

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

LaPush NW

Km



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

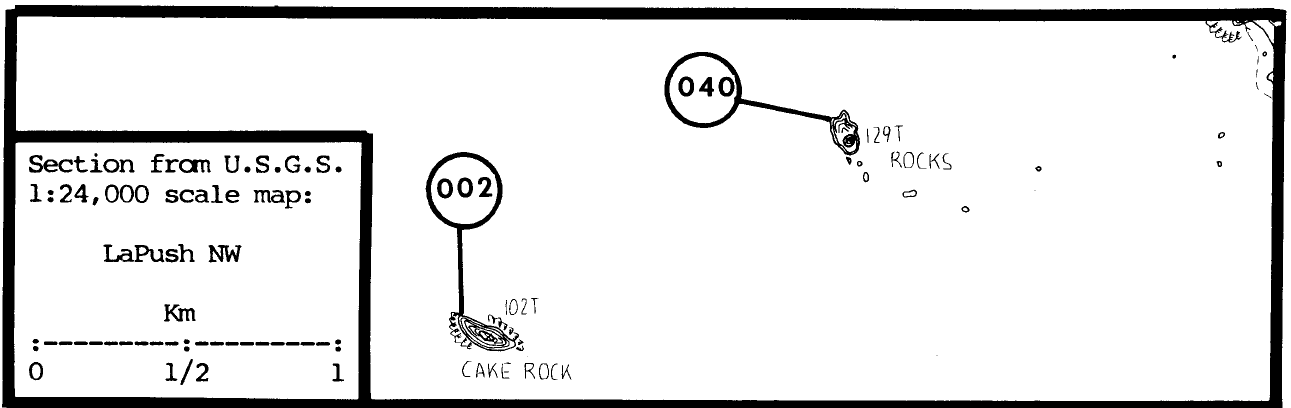


Table Rock (174051) (front) "Dhuoyautzachtahl" (174049) (left) Cakesosta (174050) (right) 19 November 1979 S.M. Speich



AREA 174, Copalis Beach, North (cont'd.)

041

"Kohchaa(uh)" 47°54'38"N, 124°39'00"W

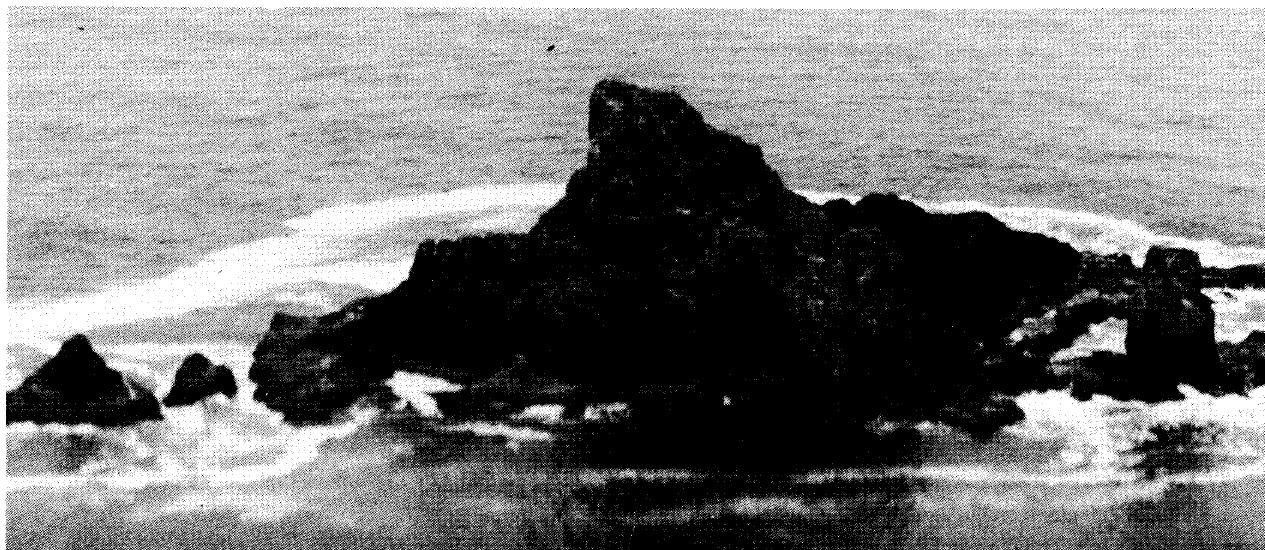
Leach's Storm-Petrel	100's	Speich	06/28/79	B III 255
Common Murre	850	Wilson	07/17/82	A III 287
Pigeon Guillemot	1	Speich	06/08/78	B III 255
Tufted Puffin	200-400	Speich	06/08/78	B III 255
Total	-1150			

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	58			



Dahdayla (174040) 16 June 1970 J.P. Mazzoni

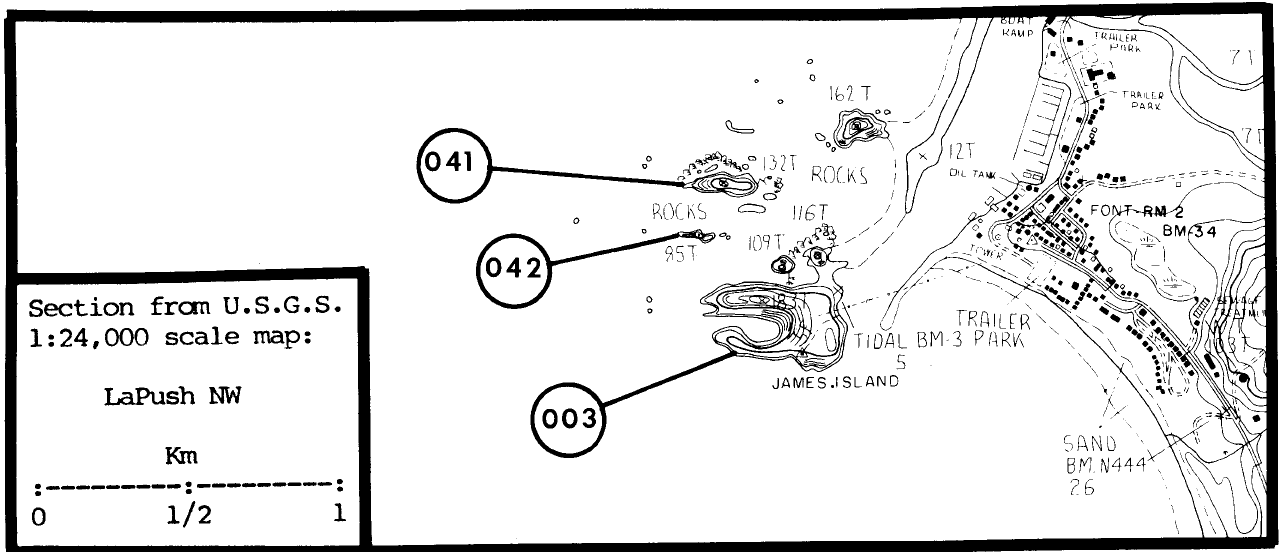


Table Rock (174051) 19 November 1979 S.M. Speich

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
---------------------	---	--------	----------	-------	-----

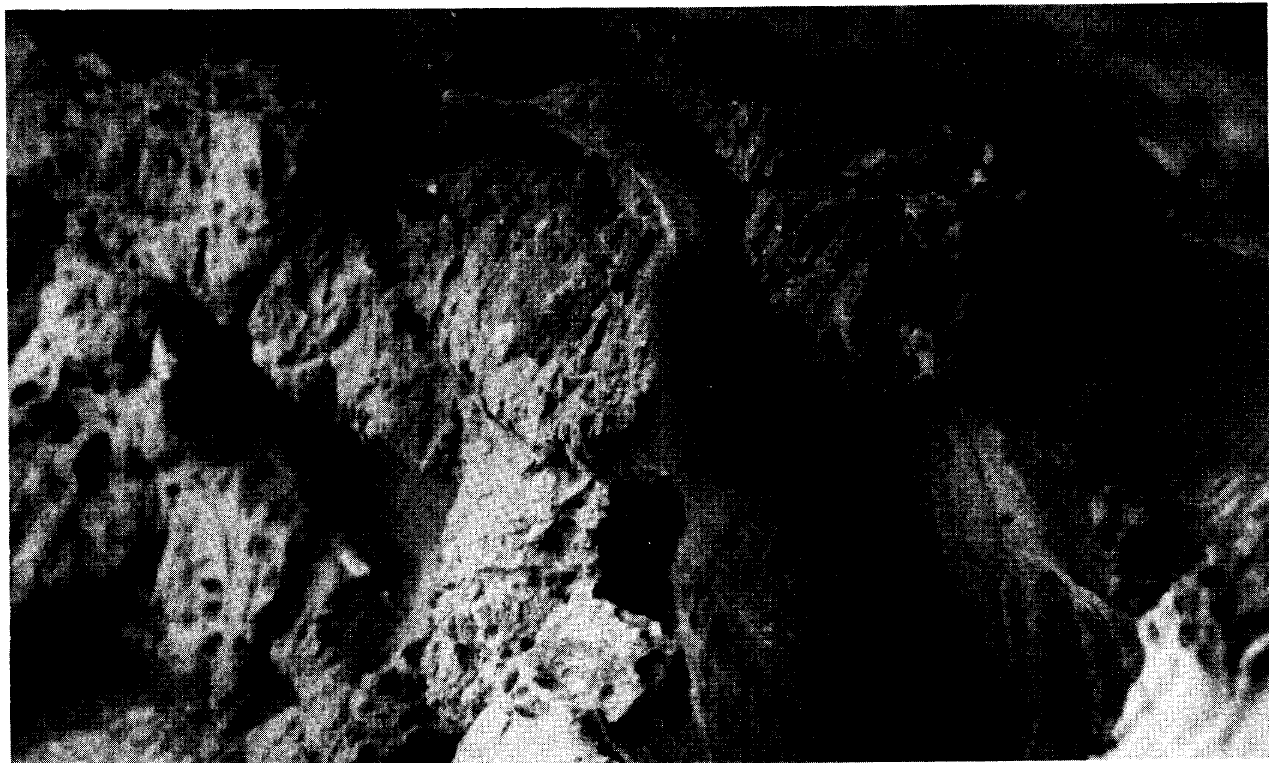
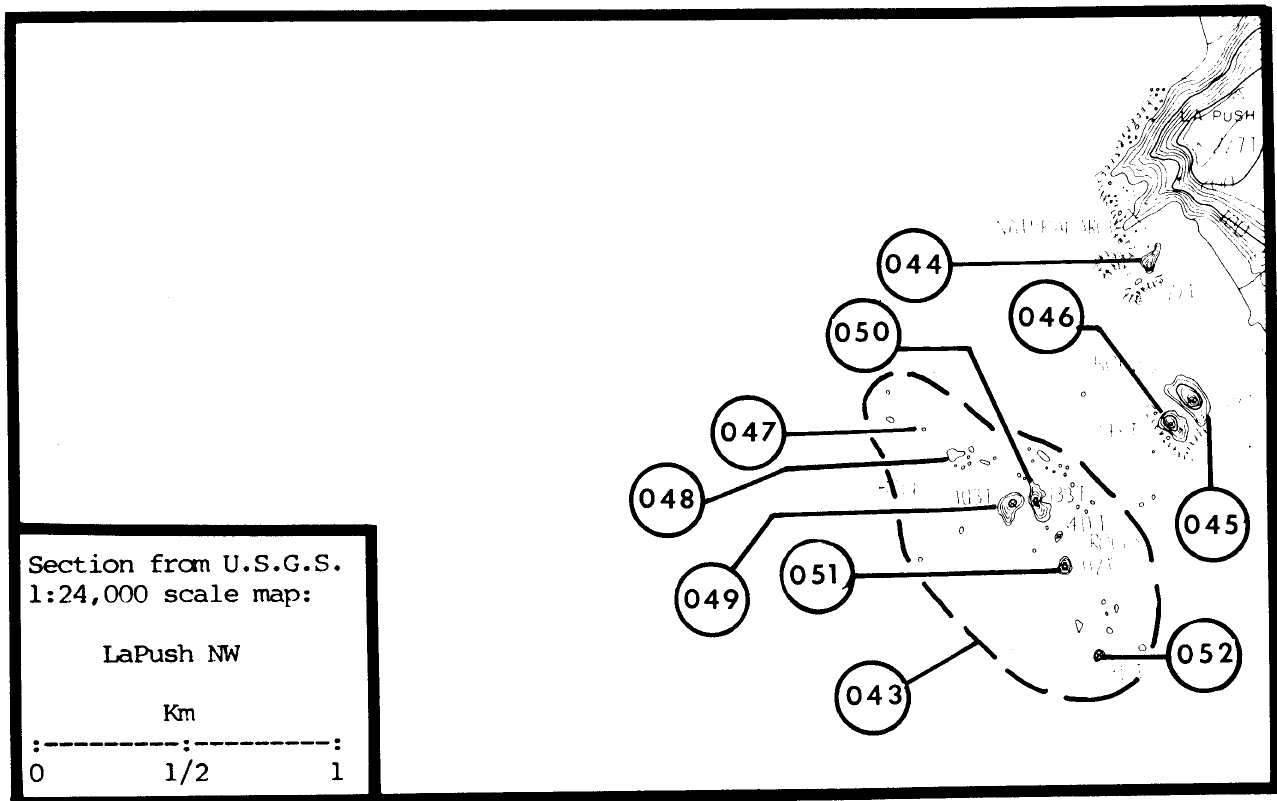
045 "Unnamed Rock" 47°53'17"N, 124°37'38"W

Pelagic Cormorant	4	Wilson	08/12/81	B I	287
-------------------	---	--------	----------	-----	-----

No Nesting Observed	0	Speich	06/01/78	B III	255
---------------------	---	--------	----------	-------	-----

046 "Unnamed Rock" 47°53'12"N, 124°37'42"W

No Nesting Observed	0	Speich	06/01/78	B III	255
---------------------	---	--------	----------	-------	-----



"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

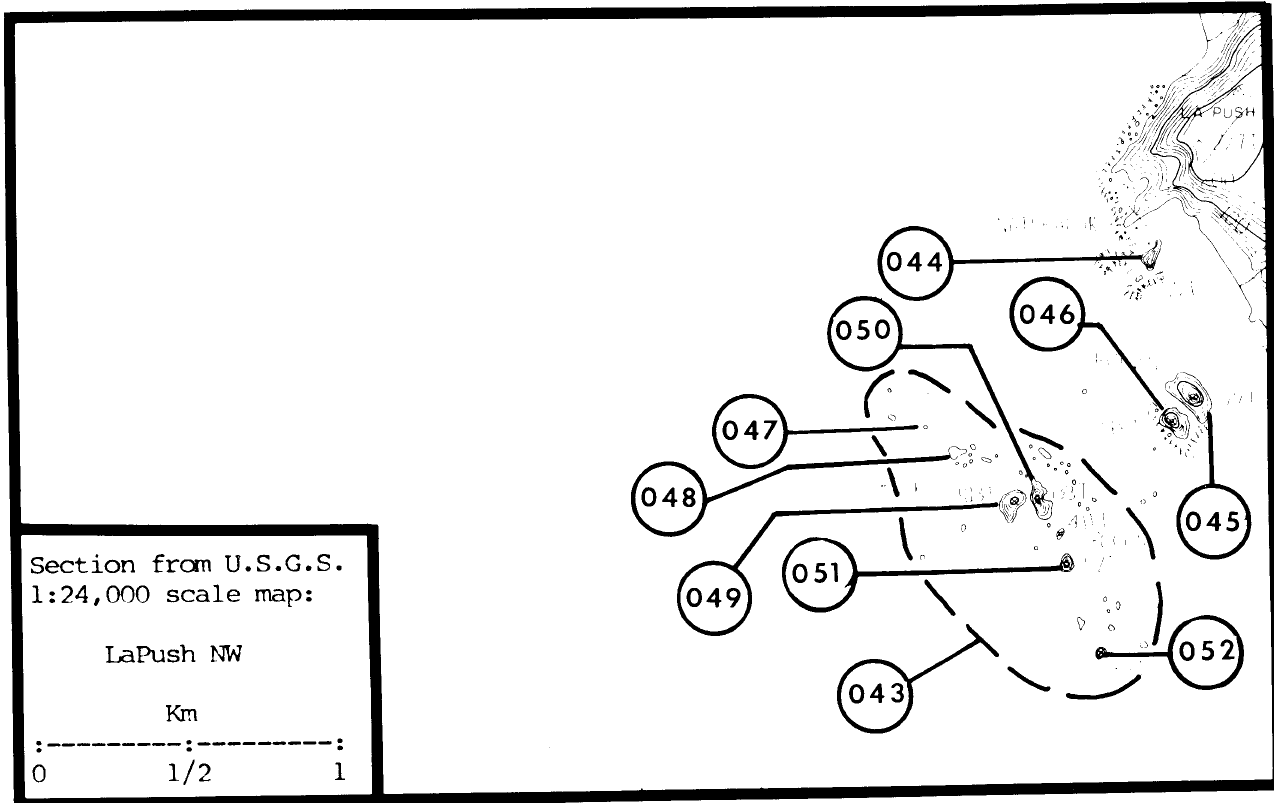
Pelagic Cormorant	14	Wilson	08/12/81	B I 287
Black Oystercatcher	2	Speich	06/02/78	B III 255
Glaucous-winged Gull	2	Speich	06/02/78	B I 255
Total	18			

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.)

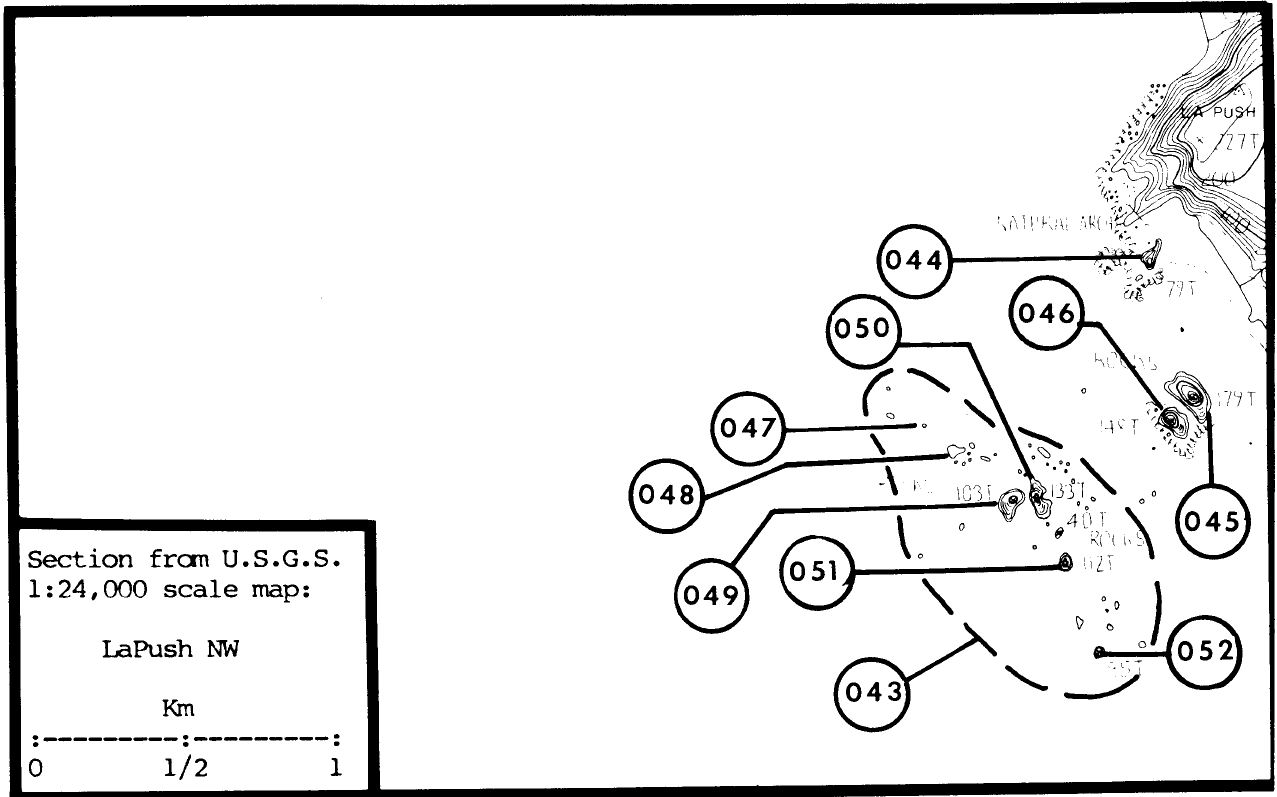
Tufted Puffin	X	Alcorn & Eddy 1954	07/24-25/54	L III	9
Tufted Puffin	X	Eddy	07/24-25/54	L III	95
Tufted Puffin	25	Wilson	08/12/81	B III	287

(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	-830				

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

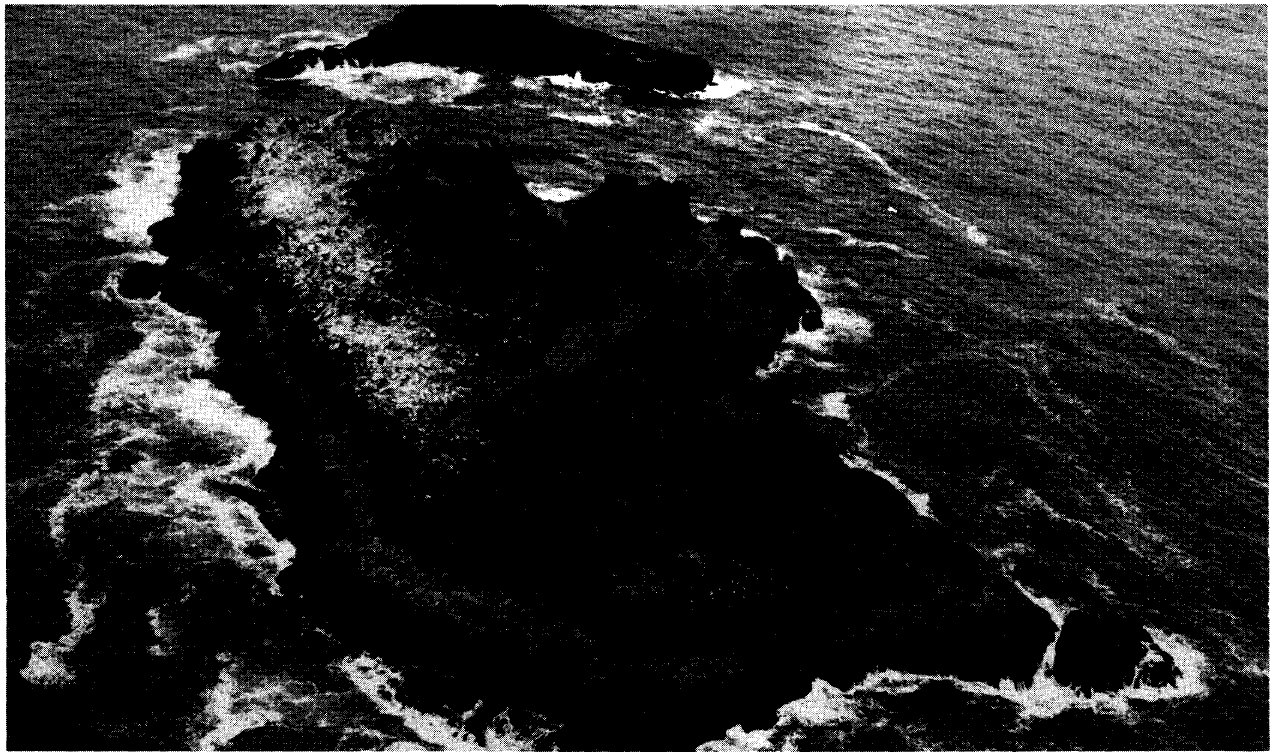
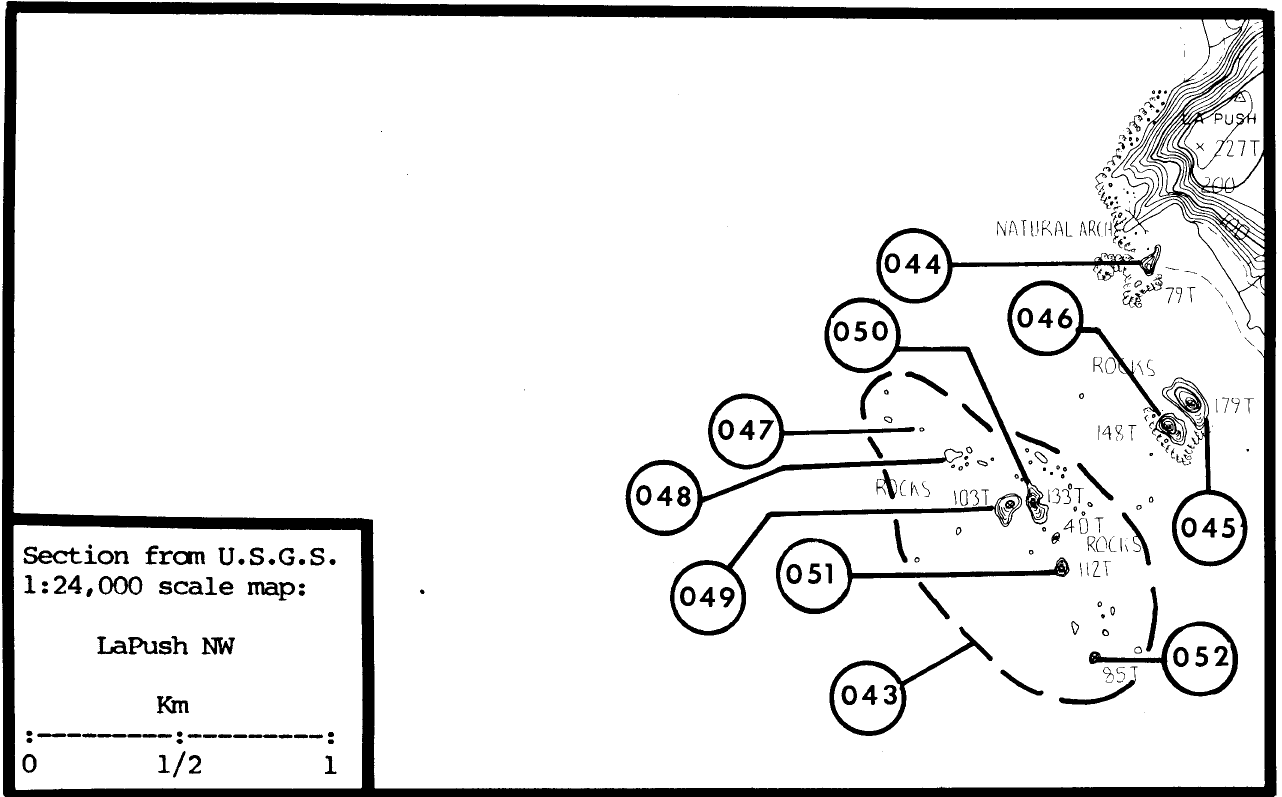
Double-crested Cormorant	64	Wilson	07/17/82	A I 287
Glaucous-winged Gull	25	Wilson	07/17/82	A III 287
Common Murre	320	Wilson	07/17/82	A III 287
Pigeon Guillemot	2	Wilson	08/12/81	B III 287
Tufted Puffin	X	Speich	06/02/78	B III 255
Total	-410			

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



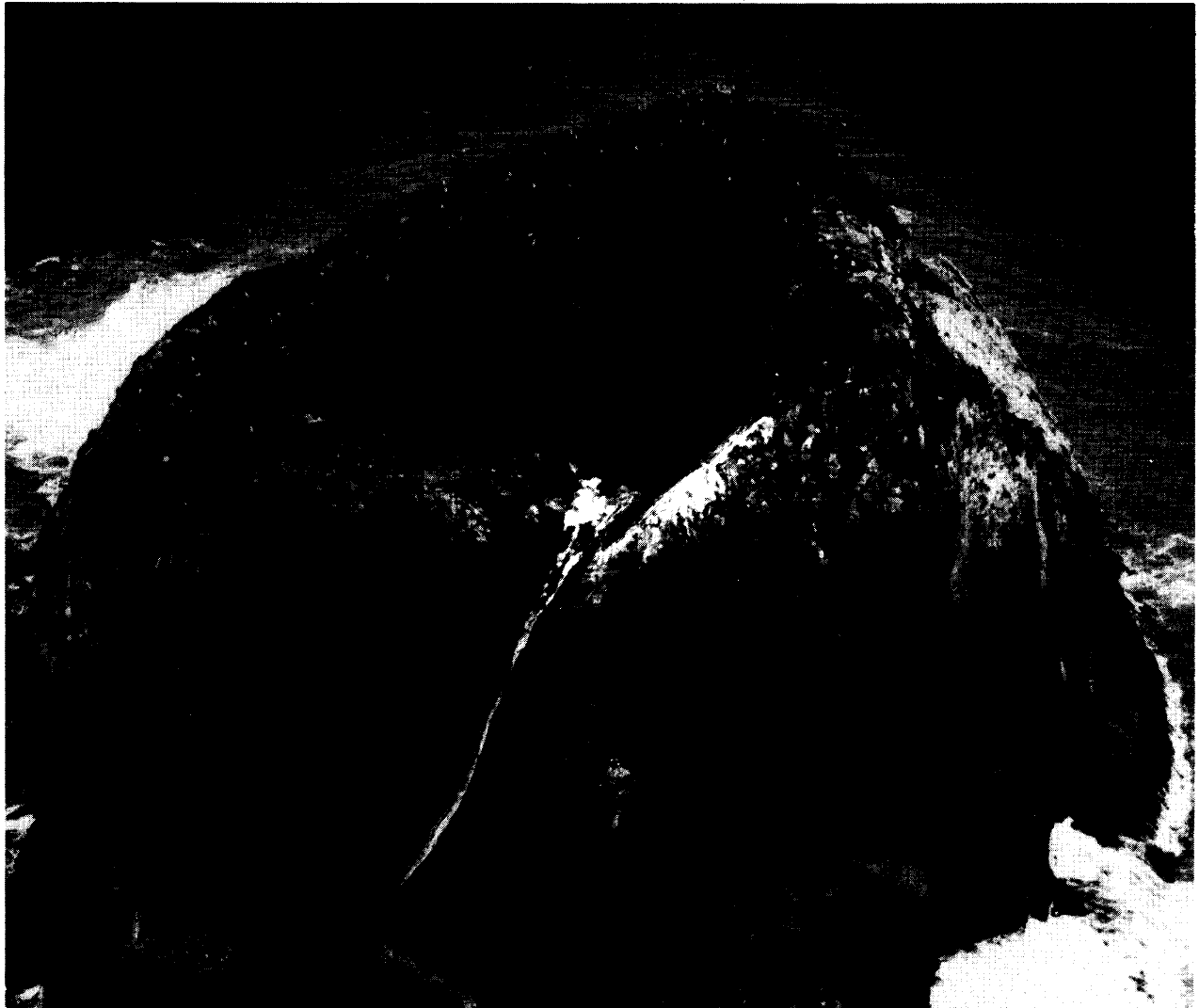
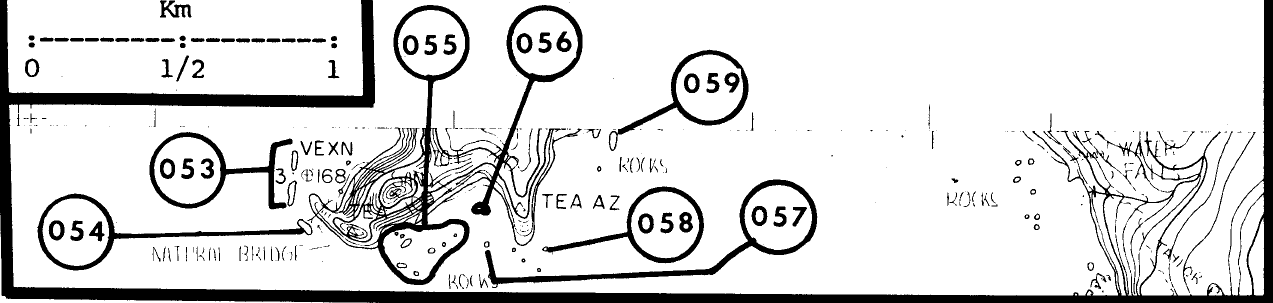
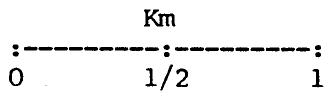
Perkins Reef (174011) 15 July 1966 R. Glahn

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
(054)	"Unnamed Rock"	47°52'20"N, 124°36'39"W			
	Black Oystercatcher	2	Speich	06/01/78	B III 255
(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
(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	$\frac{2}{2}$			
(058)	"Unnamed Rock"	47°52'27"N, 124°35'50"W			
	No Nesting Observed	0	Speich	06/01/78	B III 255
(059)	"Unnamed Rock"	47°52'32"N, 124°35'44"W			
	No Nesting Observed	0	Speich	06/01/78	B III 255

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

LaPush SE



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

(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 22

(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

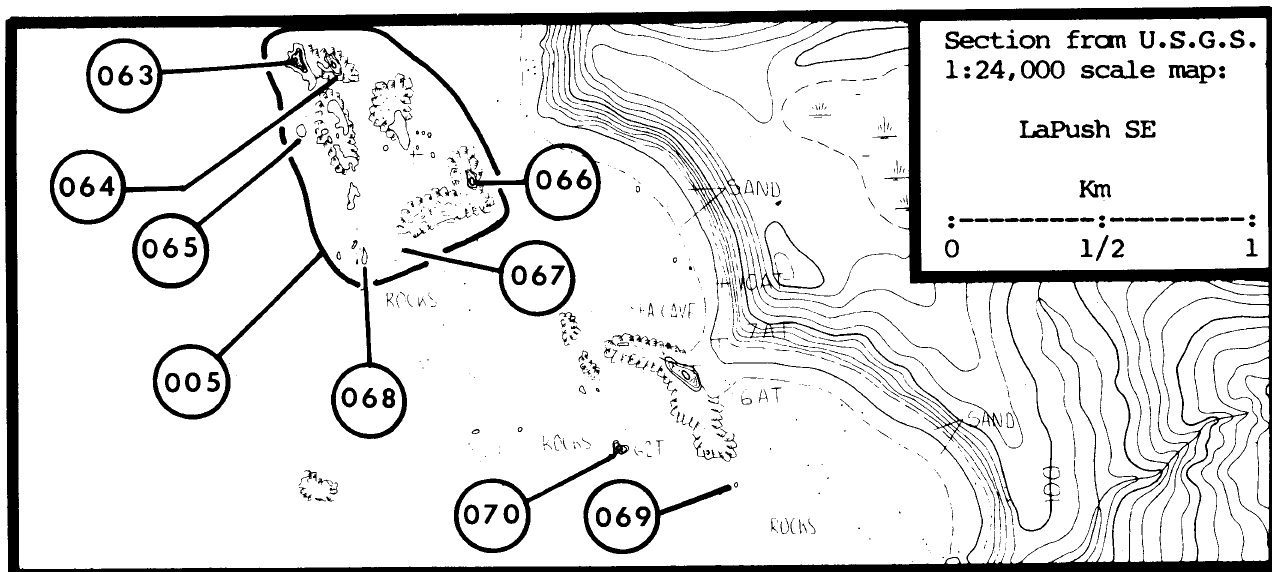
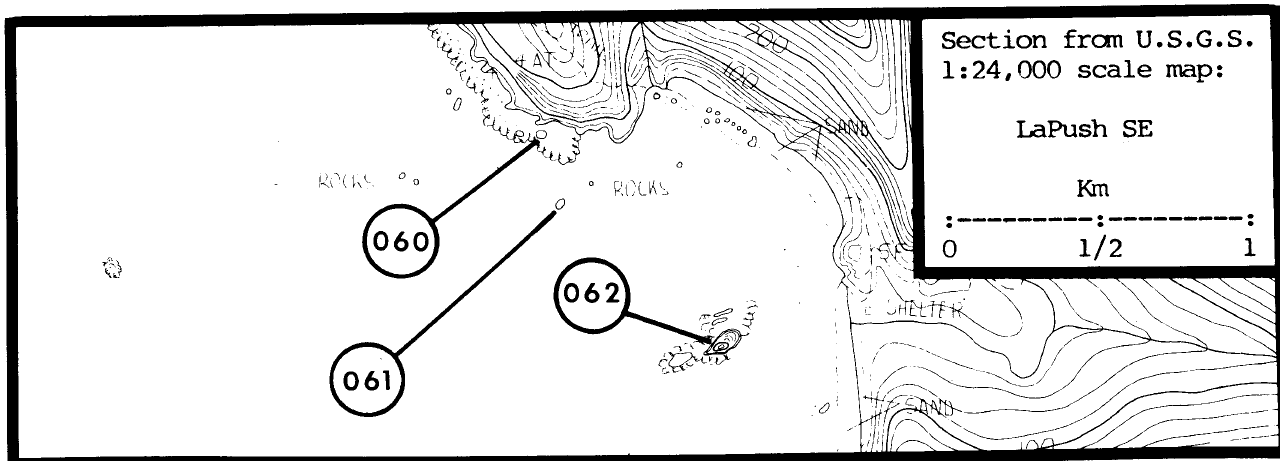
(063) "Ghost Rock" 47°51'22"N, 124°34'05"W

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	30			

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

(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

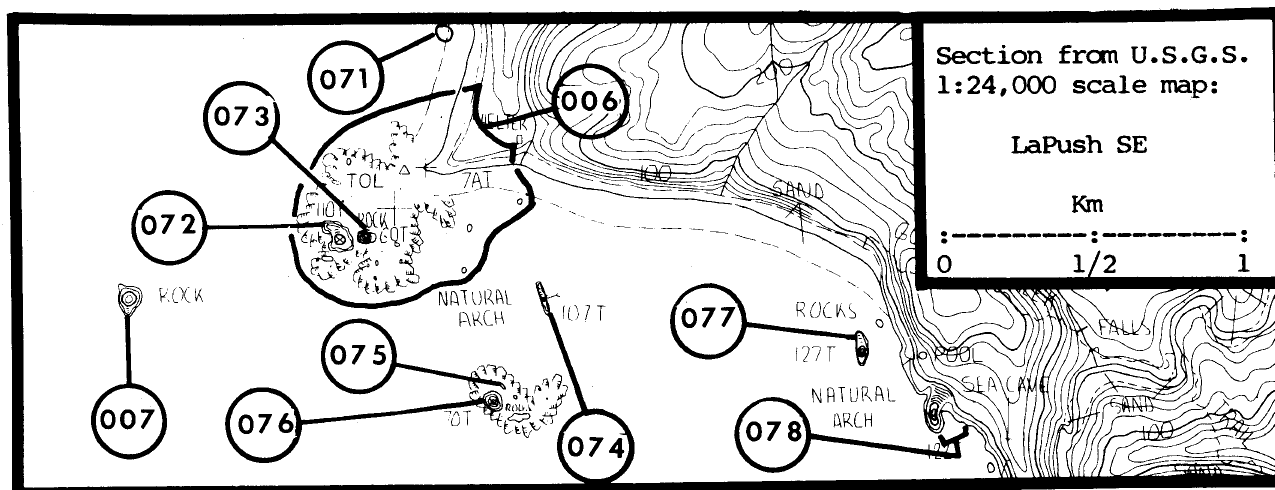
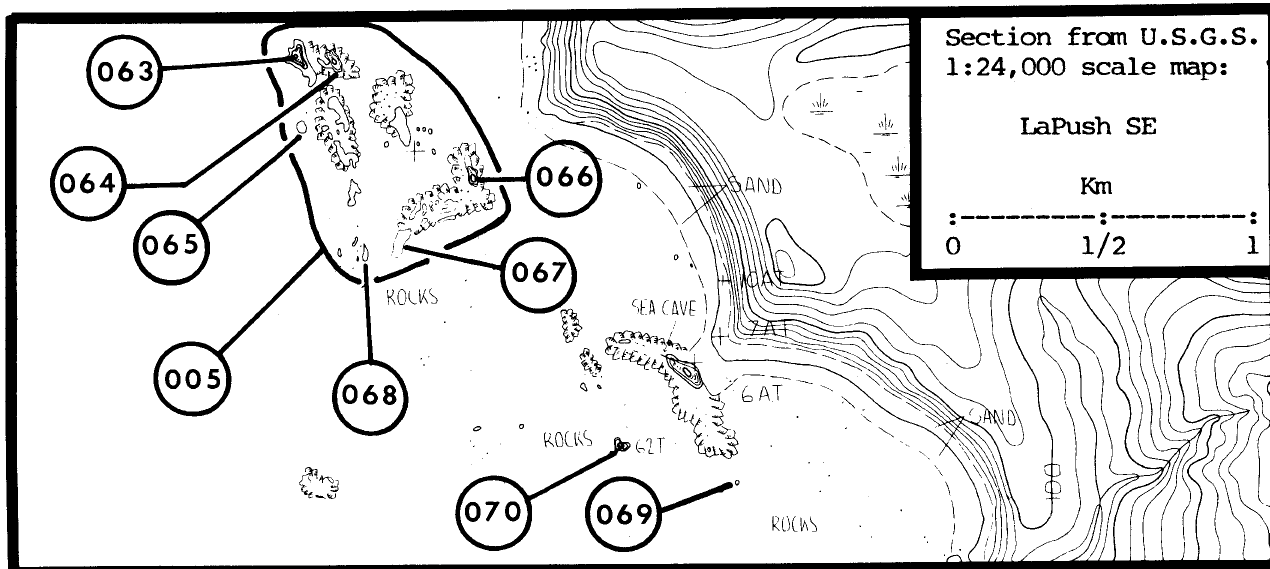
067 "Unnamed Rock" 47°51'02"N, 124°33'47"W

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

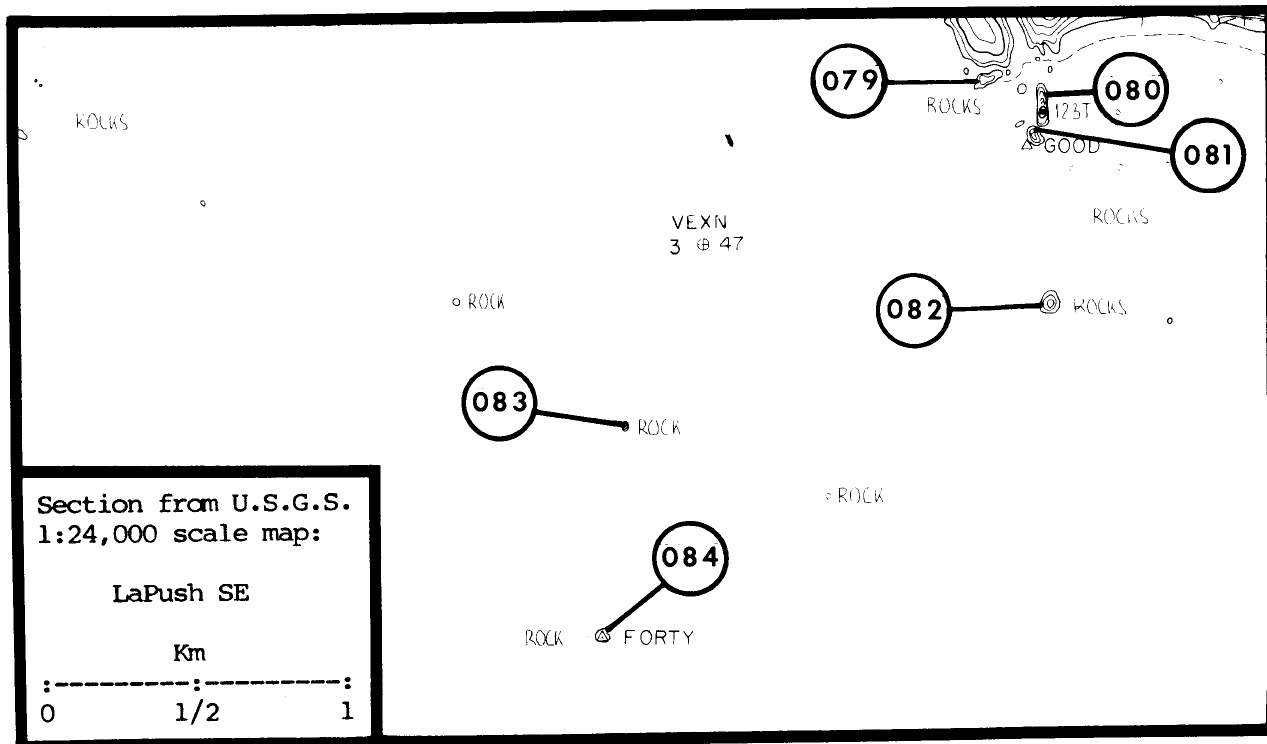
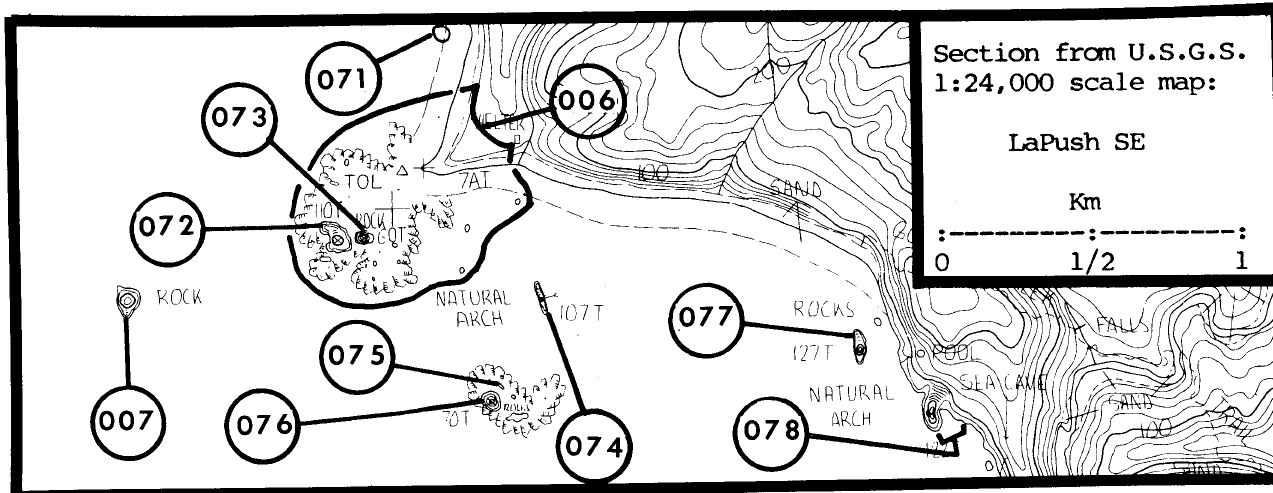
06/02/78

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	$\frac{1}{13}$	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			

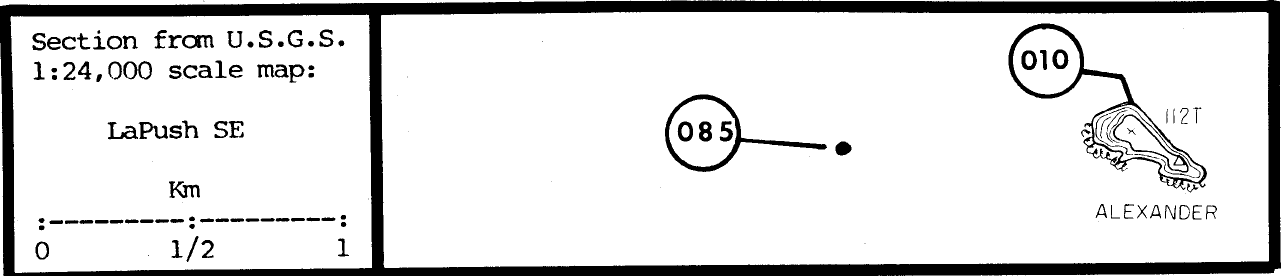
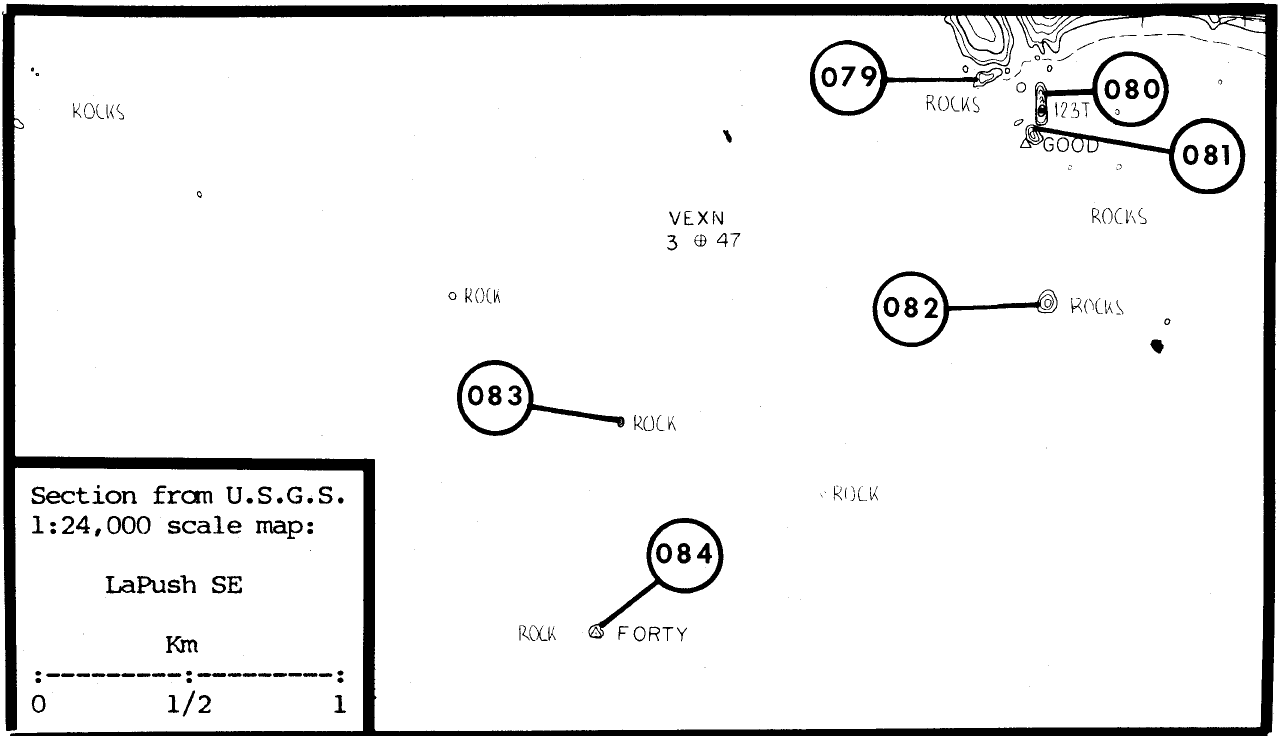
Pelagic Cormorant	60	Hoffman; Nysewander	06/14/74	B III 139;205
Black Oystercatcher	2	Hoffman; Nysewander	06/14/74	B III 139;205
Glaucous-winged Gull	35	Hoffman; Nysewander	06/14/74	B III 139;205
Glaucous-winged Gull	20-30	Speich	06/02/78	B III 255

084 "Unnamed Rock" 47°48'23"N, 124°31'46"W

No Nesting Observed	0	Speich	06/02/78	B III 255
---------------------	---	--------	----------	-----------

085 "Unnamed Rock" 47°47'55"N, 124°31'00"W

Black Oystercatcher	1	Speich	06/02/78	B III 255
---------------------	---	--------	----------	-----------



AREA 174, Copalis Beach, North (cont'd.)

086

"Unnamed Rock" 47°47'32"N, 124°28'52"W

No Nesting Observed

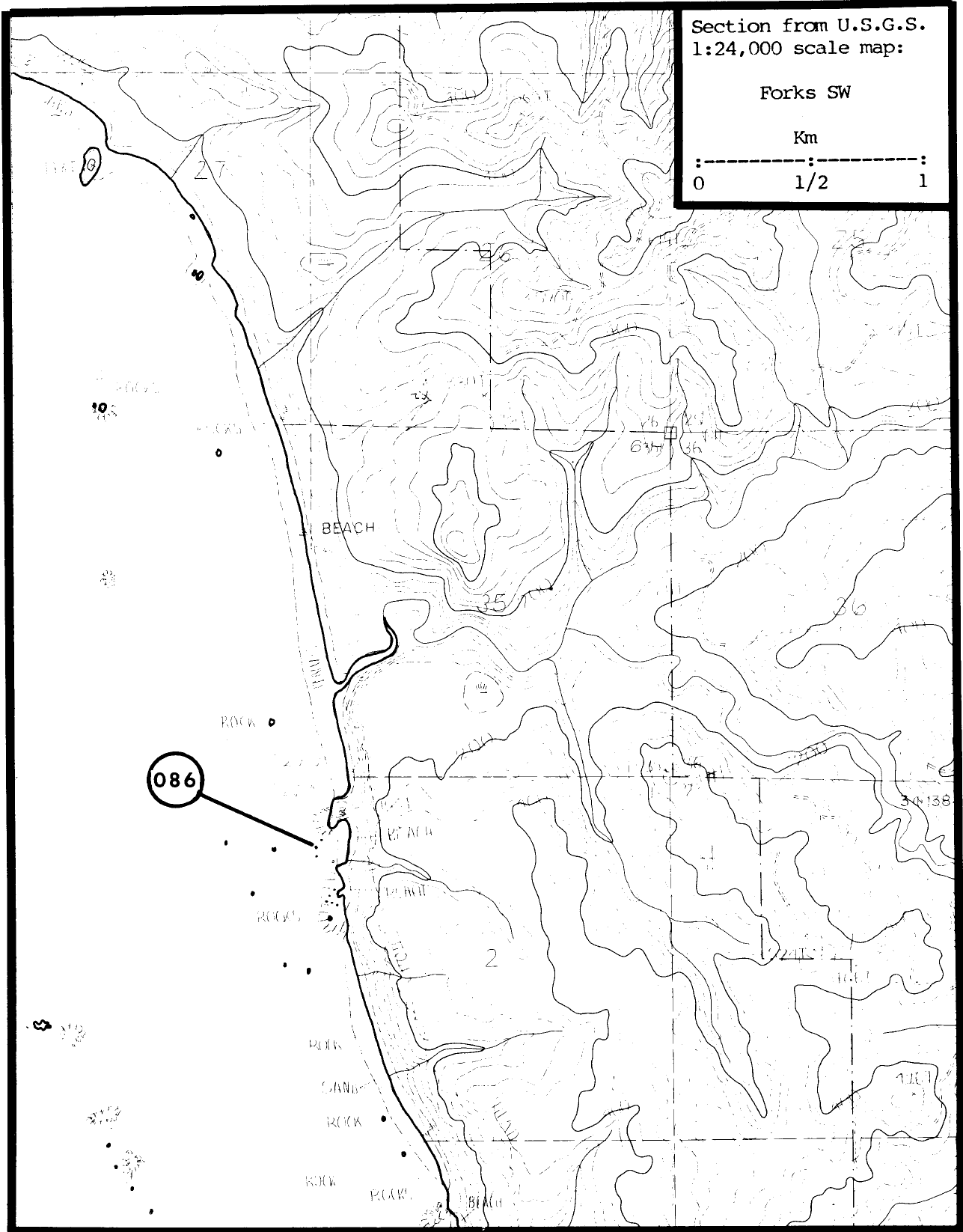
0 Pitman

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

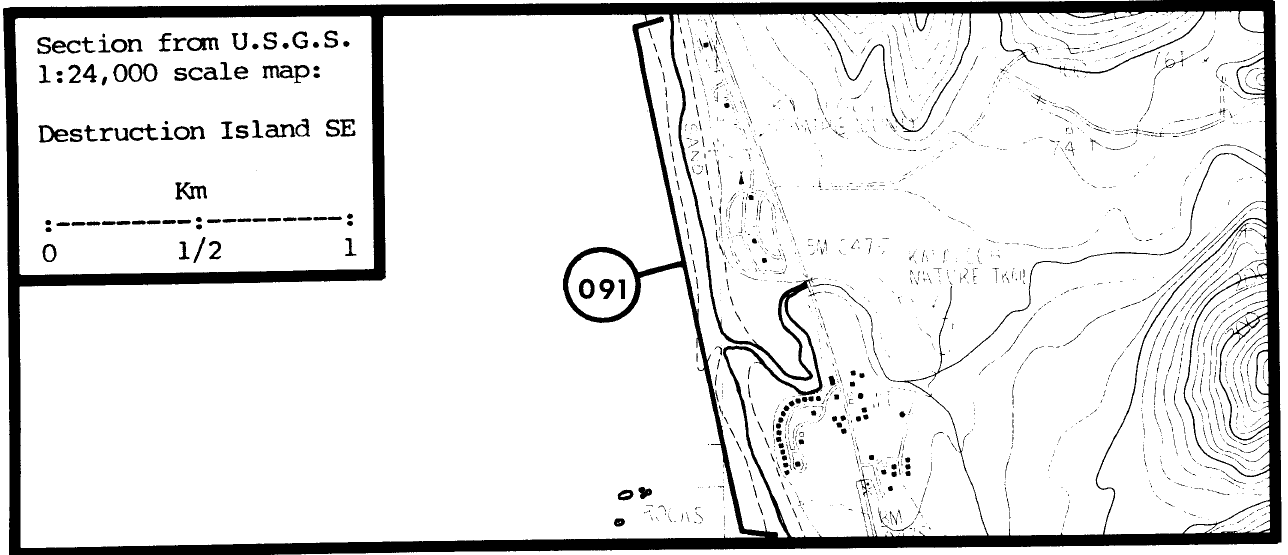
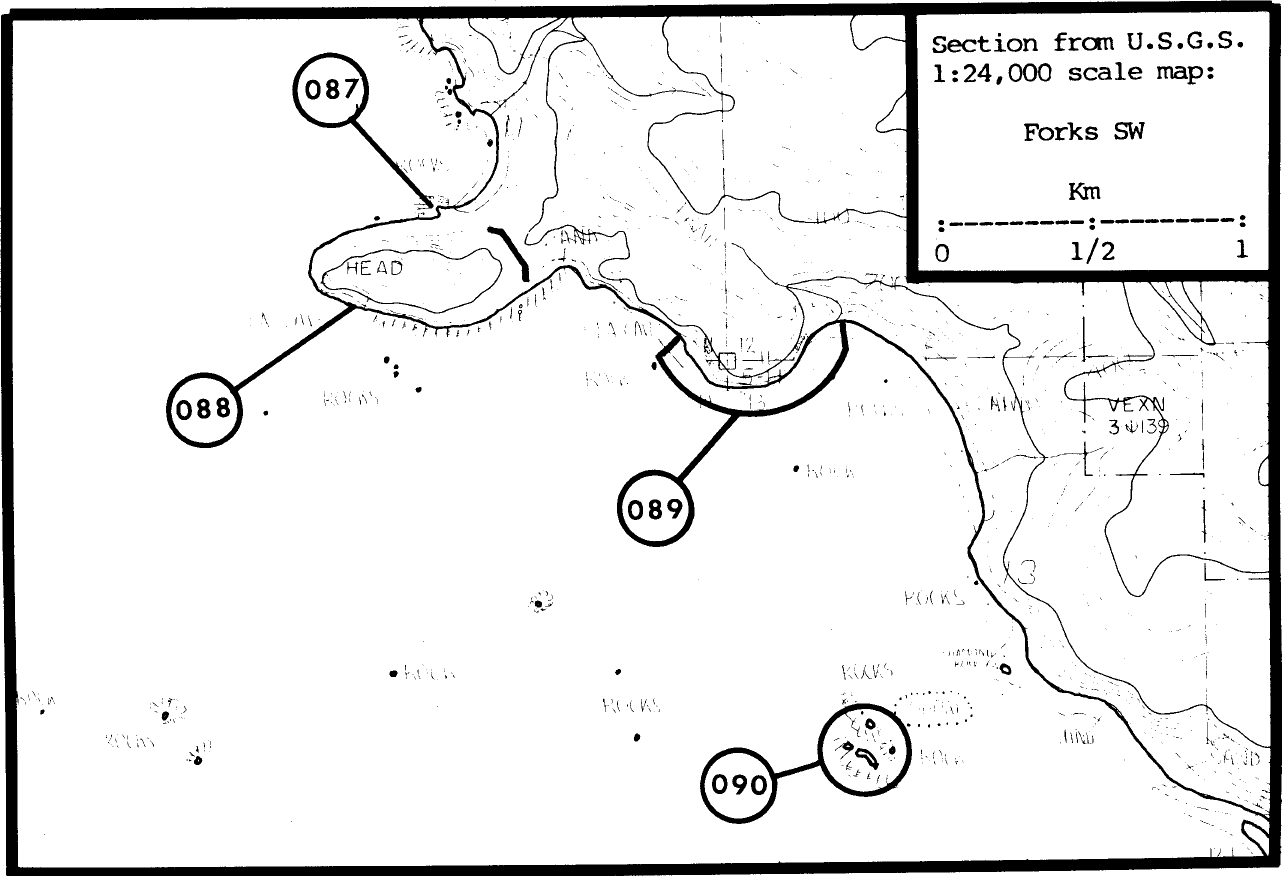
Pelagic Cormorant 114 Speich 06/12/79 B I 255

(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°27'50"N, 124°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	<u>110</u>			

093 Sea Lion Rock 47°27'03"N, 124°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°26'49"N, 124°20'31"W

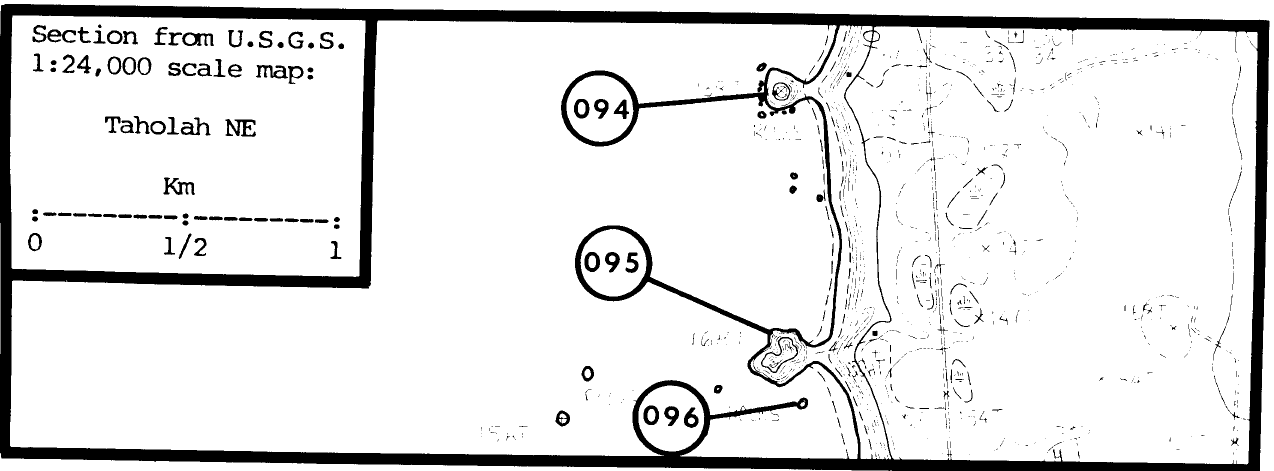
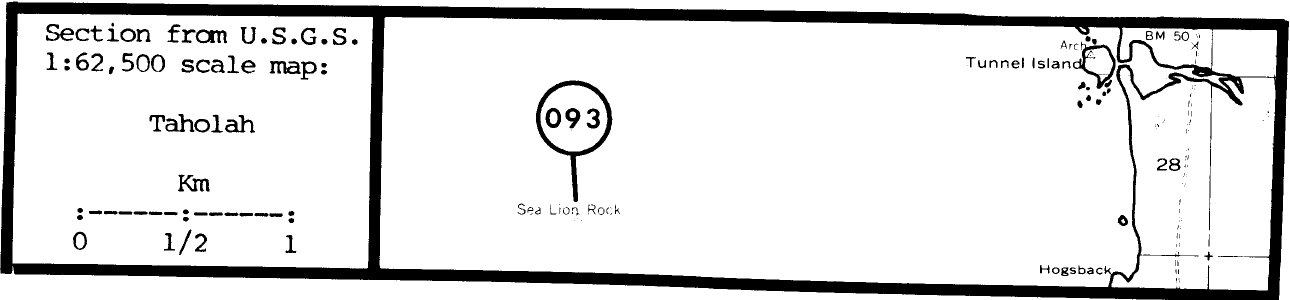
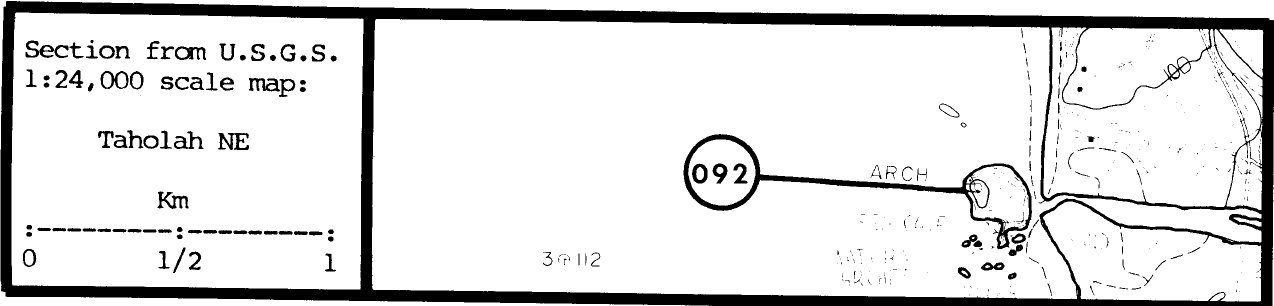
No Nesting Observed	0	Speich	06/12/79	B III 255
---------------------	---	--------	----------	-----------

095 Hogsback, Little 47°26'16"N, 124°20'30"W

No Nesting Observed	0	Speich	06/12/79	B III 255
---------------------	---	--------	----------	-----------

096 "Unnamed Rock" 47°26'14"N, 124°20'29"W

No Nesting Observed	0	Speich	06/12/79	B III 255
---------------------	---	--------	----------	-----------



AREA 174, Copalis Beach, North (cont'd.)

⑨97 "Unnamed Rock" 47°23'55"N, 124°21'45"W

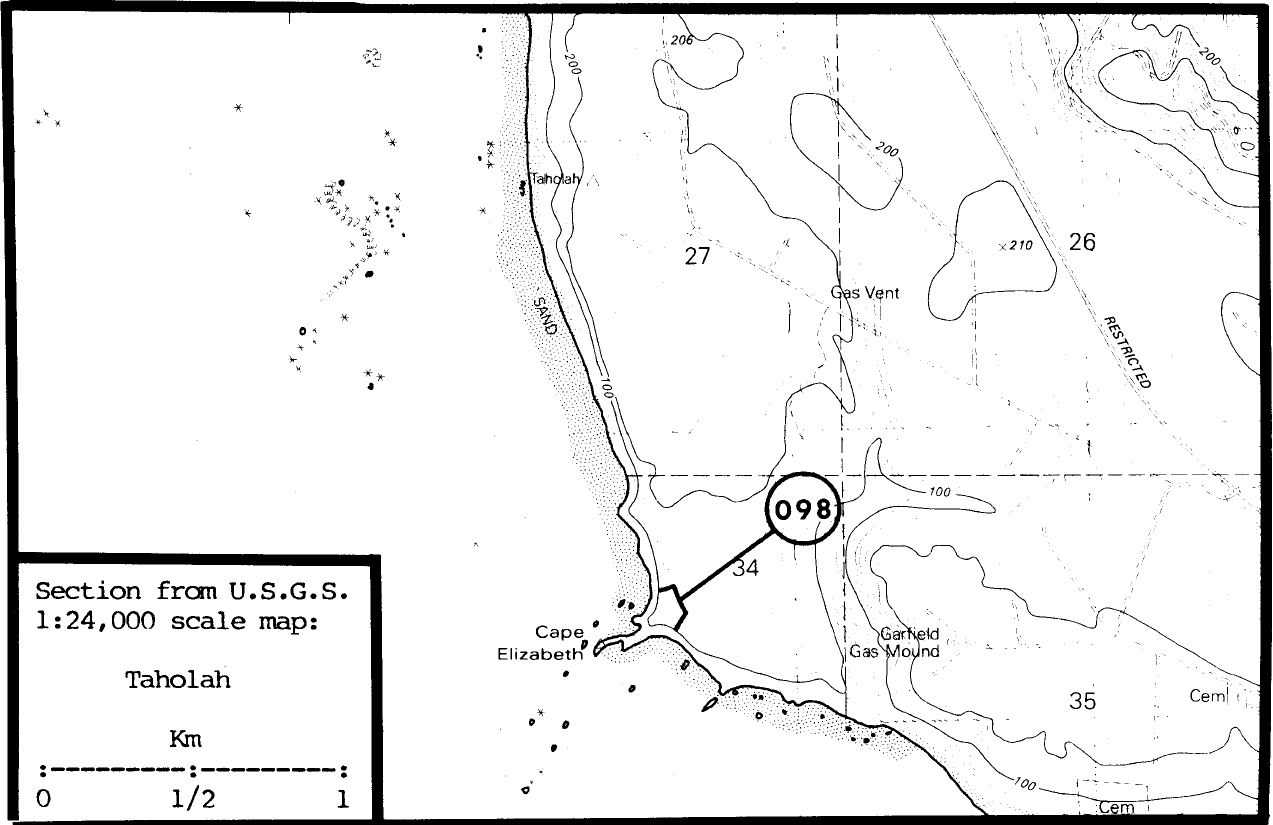
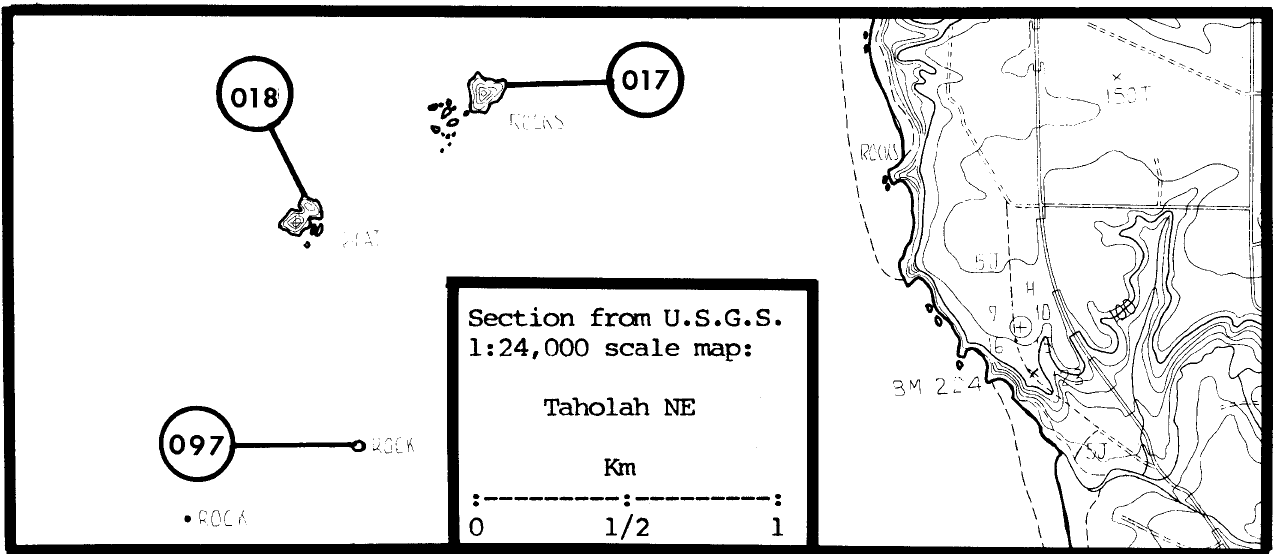
No Nesting Observed	0	Wilson	07/17/82	A	I 287
Brandt's Cormorant	20	Wilson	06/17/81	B	I 287
No Nesting Observed	0	Wilson	07/20/81	A	I 287

⑨98 Cape Elizabeth 47°21'22"N, 124°19'04"W

No Nesting Observed	0	Speich	08/19/78	L	III 255
---------------------	---	--------	----------	---	---------



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

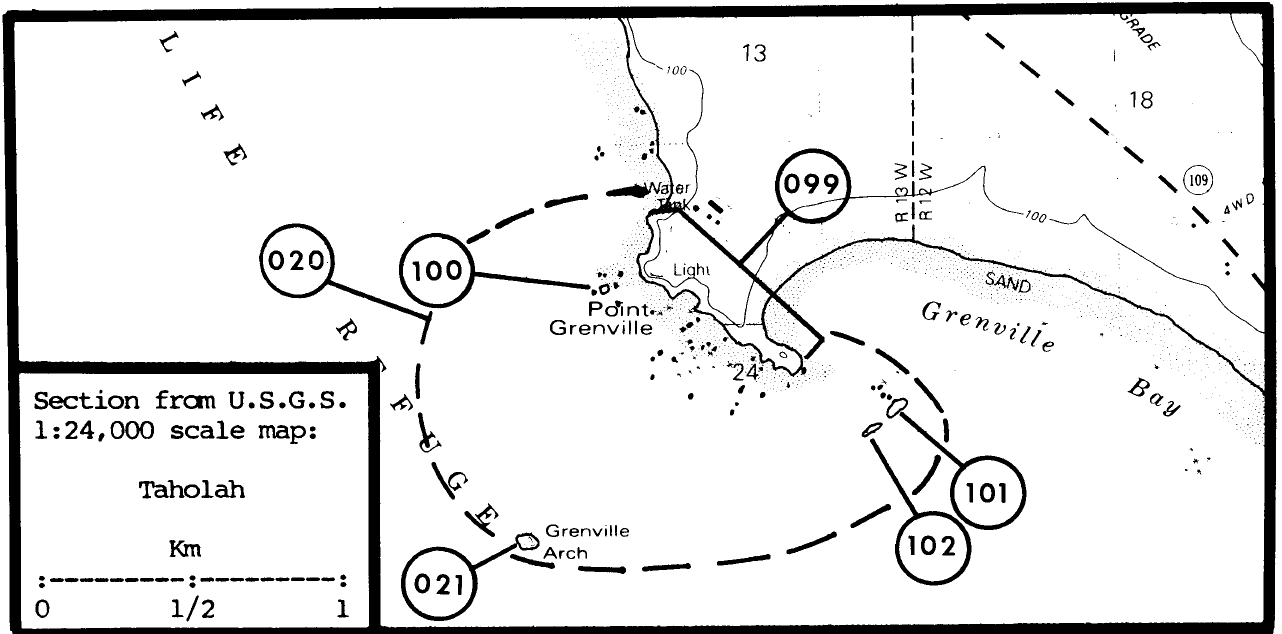
Pelagic Cormorant	50	Speich	06/12/79	B II 255
Pigeon Guillemot	X	Speich	06/12/79	B III 255
Total	50+			

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	100	Dawson 1908	06-07/ ?/06-07	B III 66
(Large Cormorant)	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	B 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.)

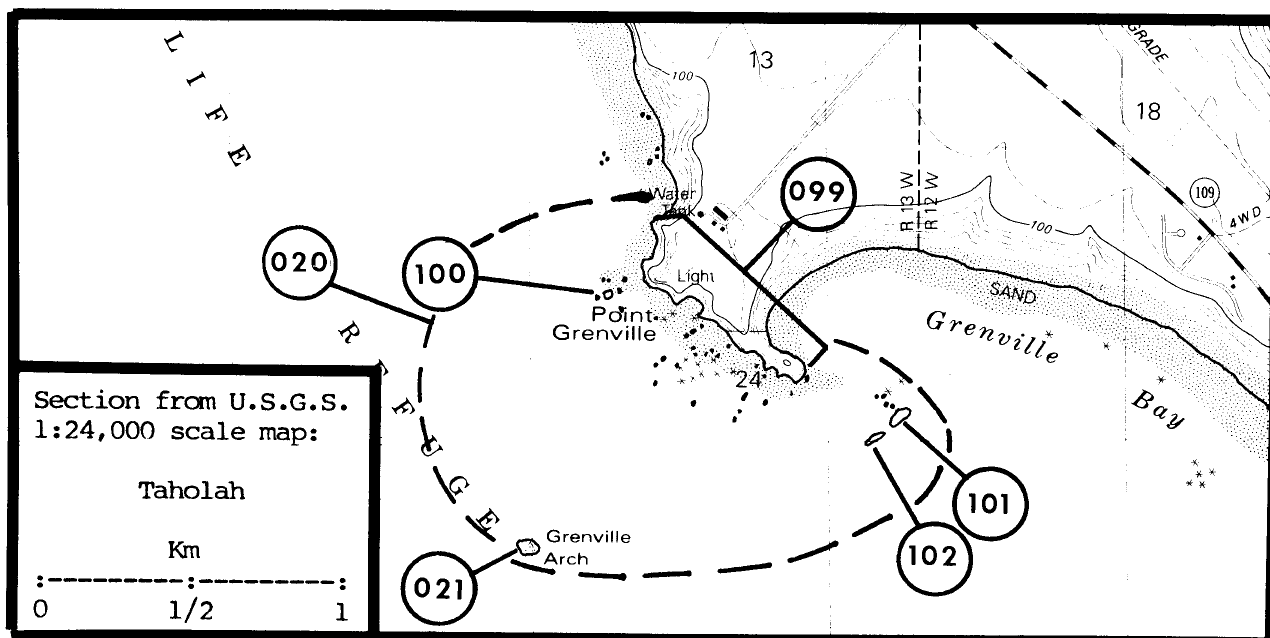
(101)

"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	1894				

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



⑩ "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	~930				

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



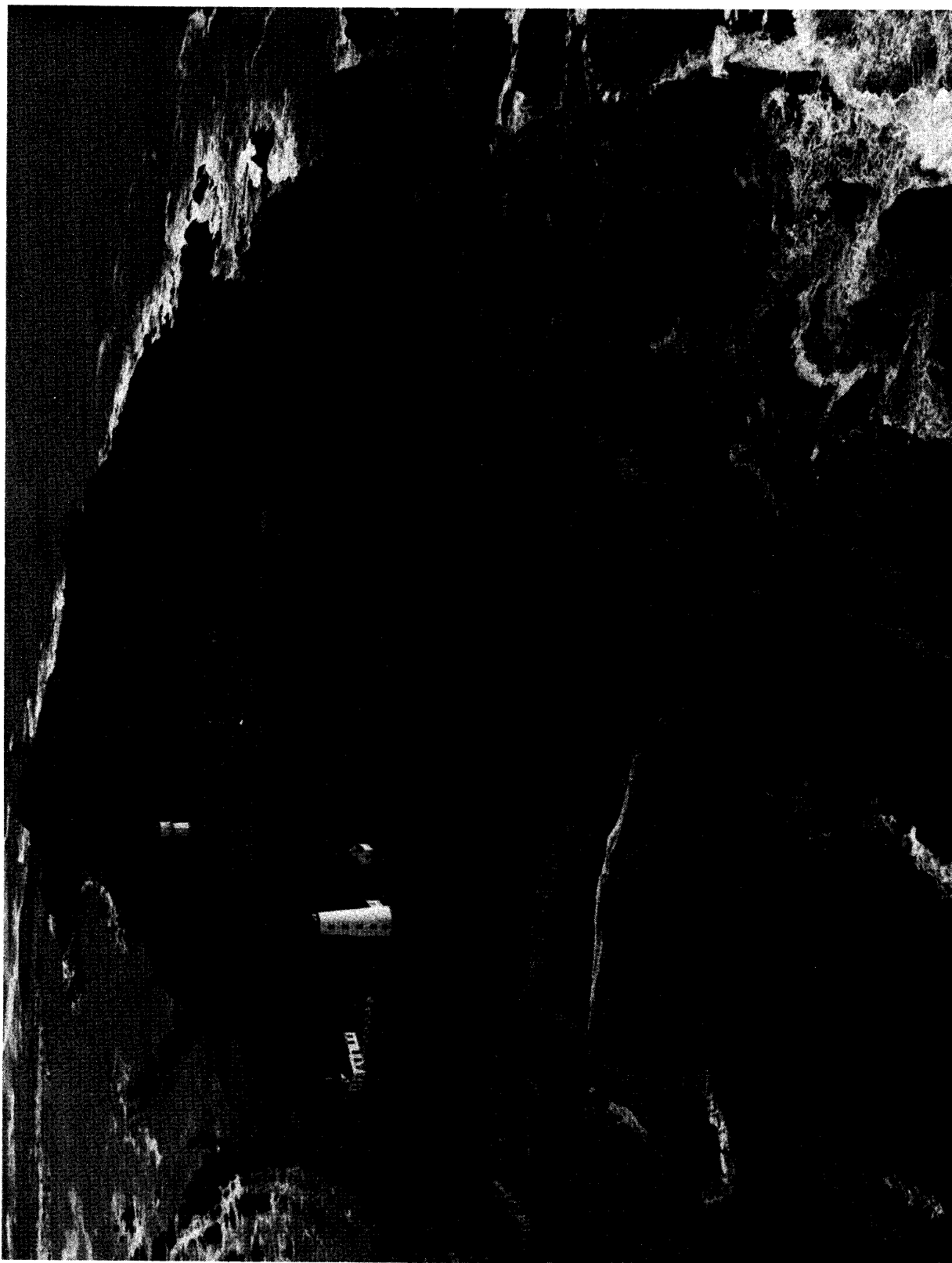
AREA 174, Copalis Beach, North (cont'd.)



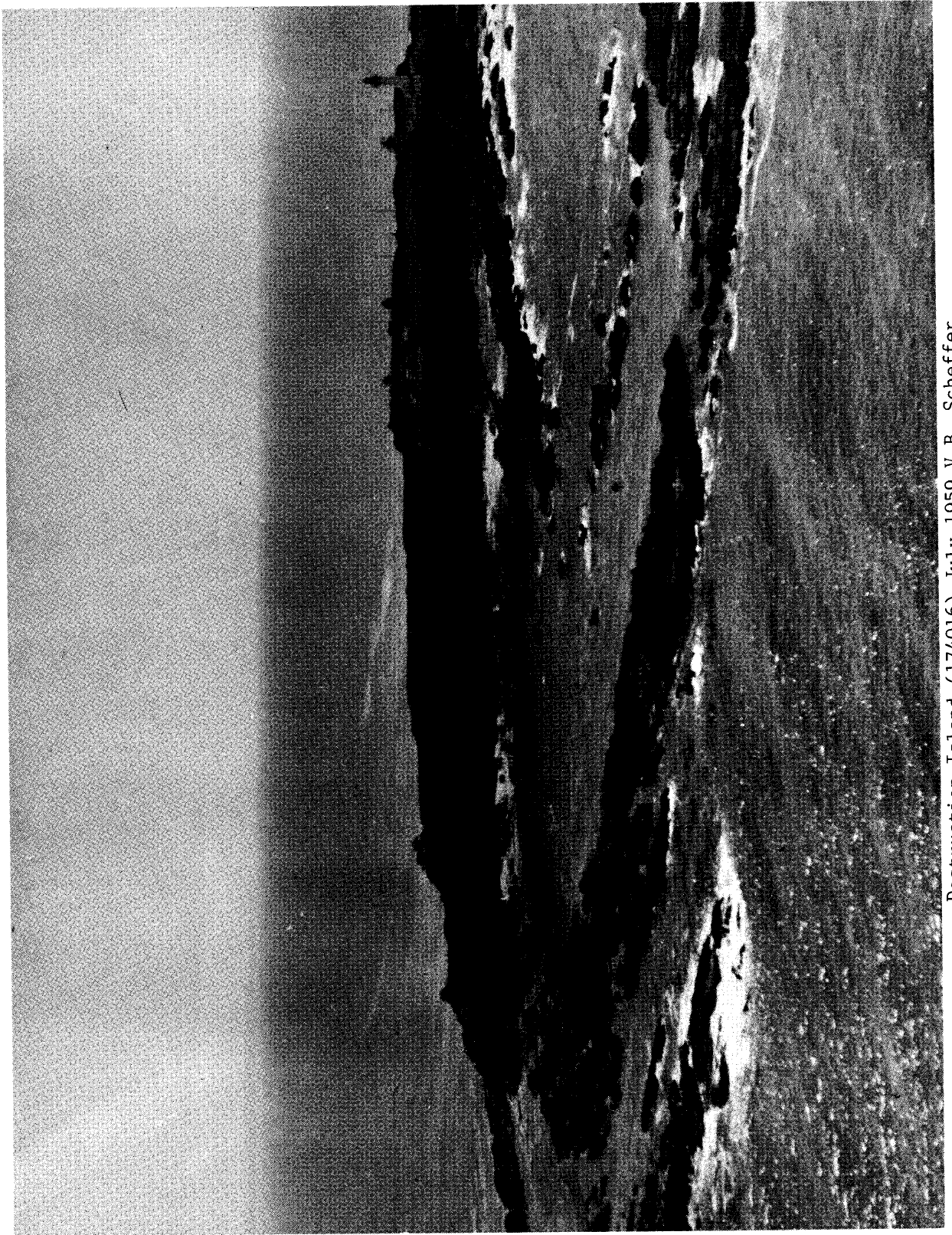
Cake (174002) 16 June 1970 J.P. Mazzone



James Island (174003) July 1959 V.B. Scheffer



Destruction Island (174016) U.S. Coast Guard

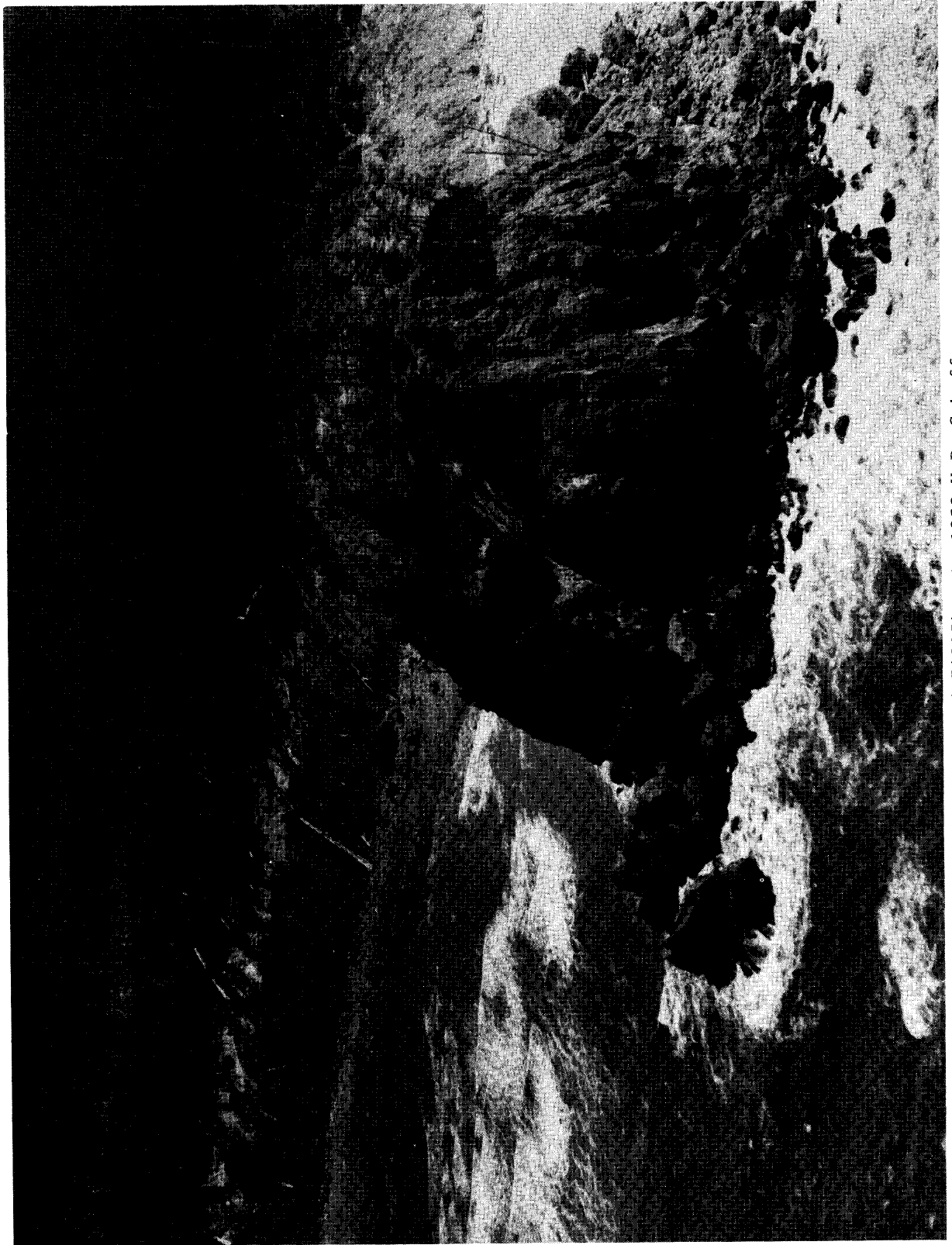


Destruction Island (174016) July 1959 V.B. Scheffer

AREA 174, Copalis Beach, North (cont'd.)

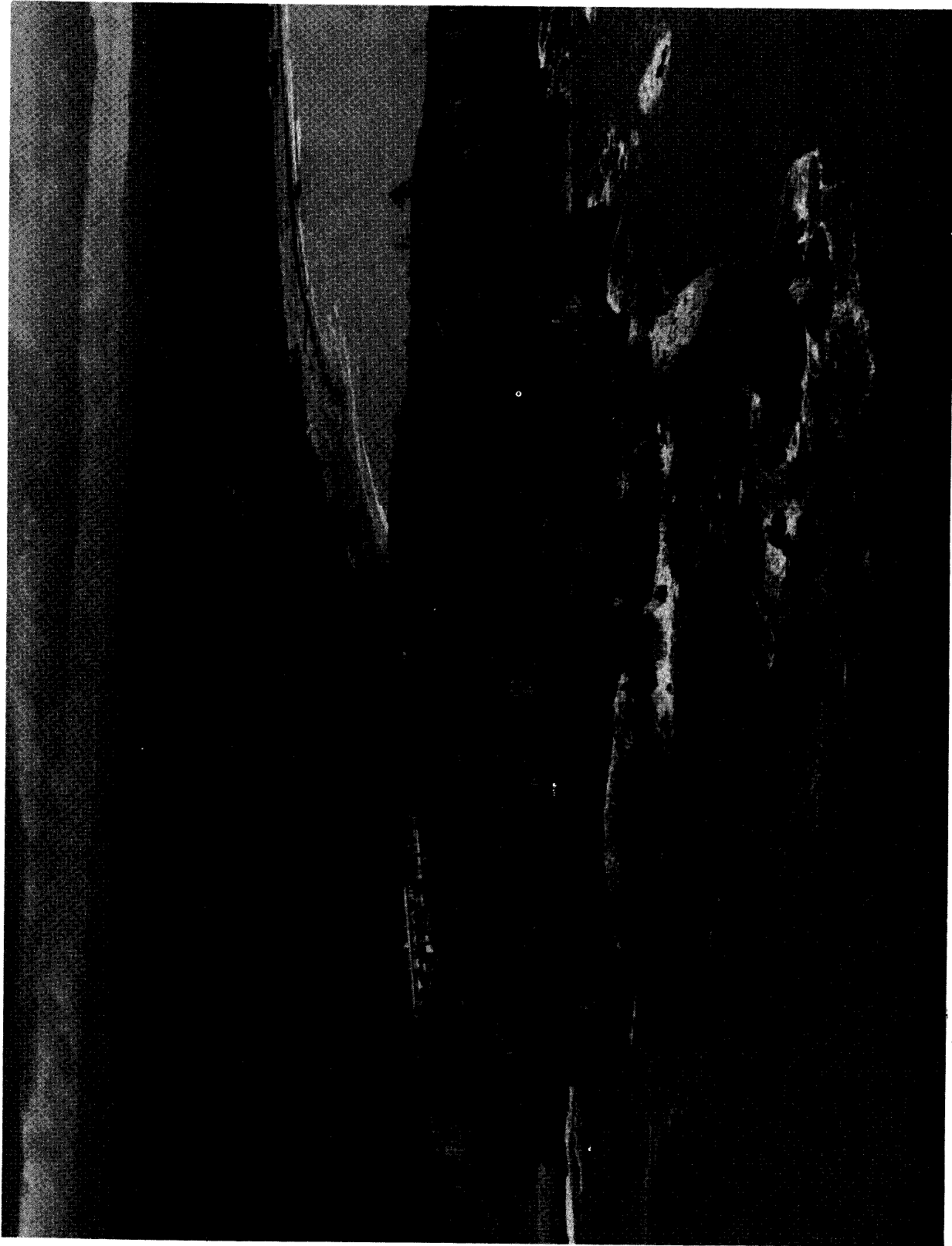


Tunnel Island (174092) 15 July 1966 R. Glahn

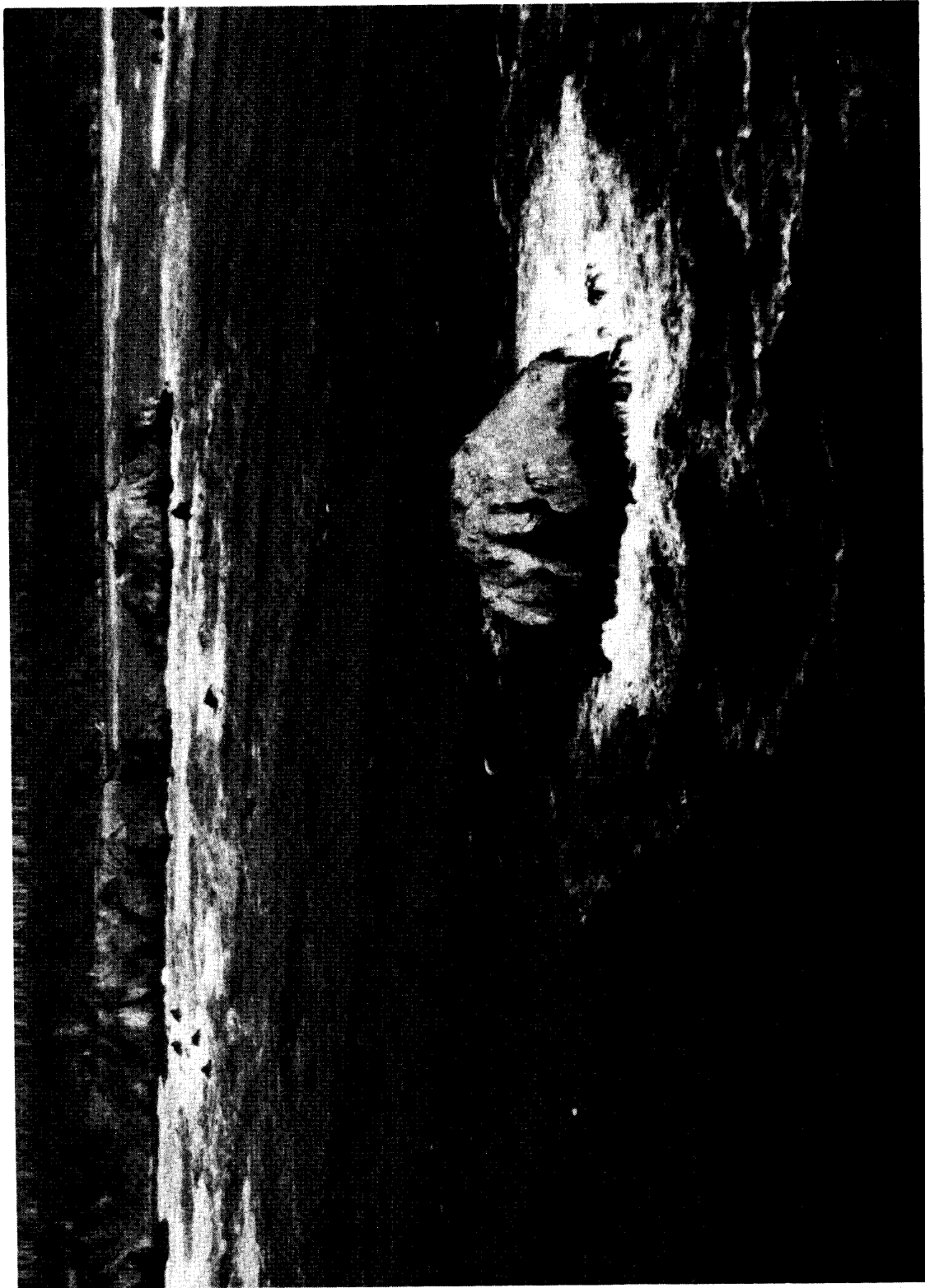


Hogsback, Little (174095) July 1959 V.B. Scheffer

AREA 174, Copalis Beach, North (cont'd.)



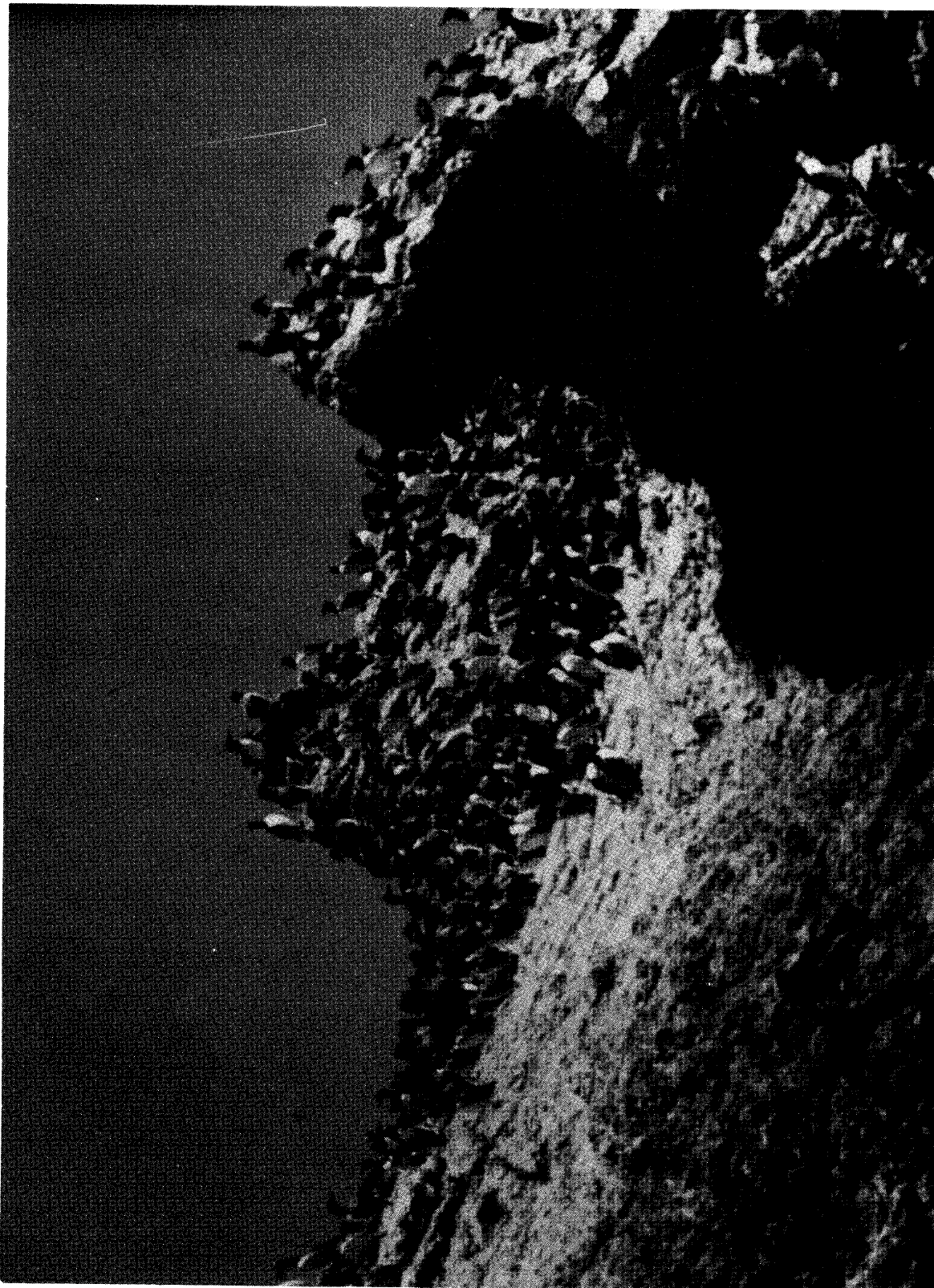
Pt. Grenville (174099); Grenville Pillar, foreground (174100) U.S. Coast Guard



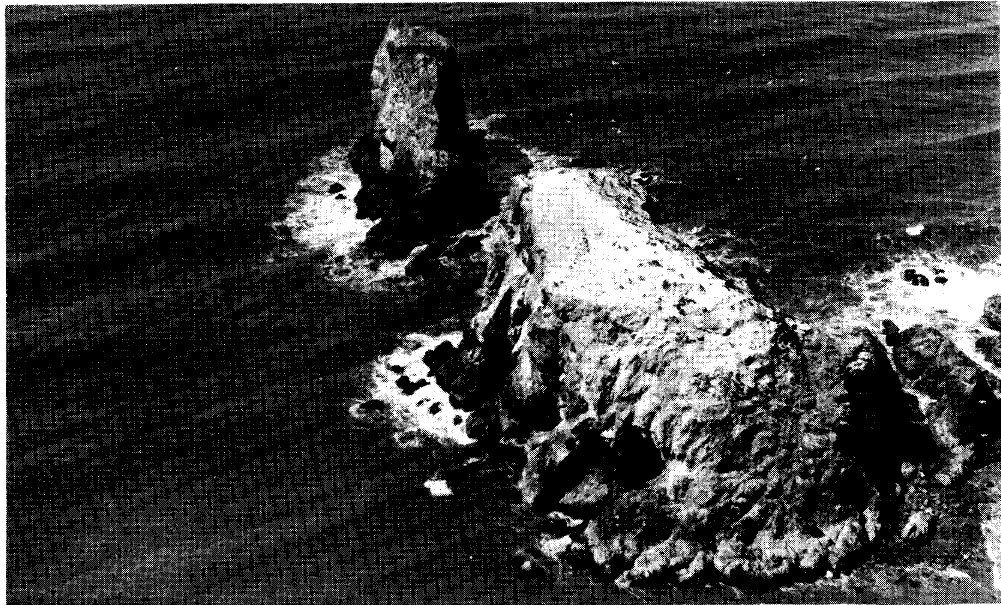
Grenville Arch (174021); Pt. Grenville, left background (174099) 19 November 1979 S.M.  
Speich



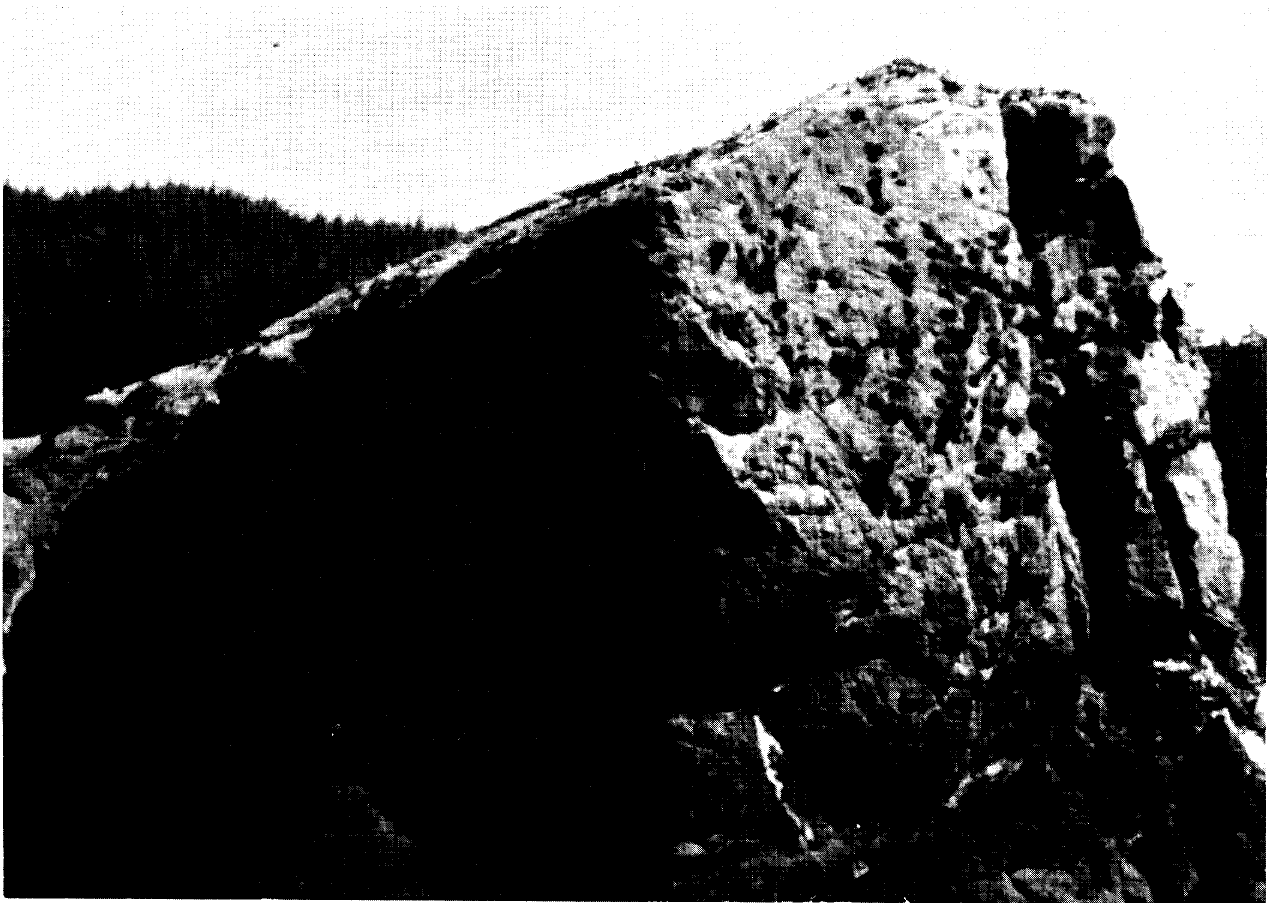
ARFA 174, Copalis Beach, North (cont'd.)



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