

## **VOLUME 3**

Family Cottidae (Sculpins) 55.1  
through  
Family Molidae (Molas) 60.1

# **GEOGRAPHICAL DISTRIBUTION OF PUGET SOUND FISHES: MAPS AND DATA SOURCE SHEETS**

Bruce S. Miller and Steven F. Borton

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Studies supported by  
Washington Sea Grant Program and  
Washington State Department of Ecology

September 1980

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Bruce S. Miller

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Principal Investigator

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## GEOGRAPHICAL DISTRIBUTION OF PUGET SOUND FISHES:

### MAPS AND DATA SOURCE SHEETS

#### INTRODUCTION

The accompanying maps and data source sheets constitute a comprehensive compilation of records of Puget Sound fish species through 1973. Most records were originally compiled for the *Checklist for Puget Sound Fishes* (DeLacy, Miller, and Borton 1972).

All records were from five main sources: The literature; catalogued entries in the University of Washington collection of fishes; log records from the University of Washington Friday Harbor Laboratories; boat log records from the University of Washington College of Fisheries; and miscellaneous records, the bulk of which were from logs of state, federal, and University of Washington research projects. Records are arranged on the data source sheets in columns under the aforementioned headings. This method facilitated compilation of the records and provides the best way to add records in the future. A data source sheet key is provided to interpret individual entries. We have tried to avoid any duplication of records and have attempted to avoid records of questionable validity.

The Puget Sound region (Figure 1), for faunistic purposes, is defined as an area south and east of the United States-Canada international boundary line and east of longitude 123°28' in the Strait of Juan de Fuca. The further division of the Puget Sound region into 12 areas is based in part on oceanographic conditions but also reflects an arbitrary and expedient definition of areas with some attention to the intensity of the collecting efforts. A dot on the map of a particular species represents one record of that species having been caught or observed at that location. For example, a dot may represent a single fish caught by hook and line or 500 fish caught in one haul of an otter trawl. There is a corresponding data source sheet entry for every dot, but there may not be a dot for every data source sheet entry since once an area was filled with dots no more were added.

A wide assortment of gear has been employed in the collection of fish represented here (beach seines, bottom trawls, gillnets, purse seines, traps, spearfishing, hook and line, poisoning, etc.). There is also a great variation in the number of fish caught per record. It would not be appropriate to include such information as number of fish caught without also including other important information such as gear type, net mesh size, depth, bottom type, date, and time of day. Information such as numbers of fish caught can easily be misinterpreted without considering all other information about the collection. Including all pertinent information would not be appropriate considering the time and size limitations and goals of this project. The information is designed to provide an extensive source listing for all collections of fish in Puget Sound. People having a need for collection information or biological data such as length and weight should obtain the original source.

The relative sampling effort has varied greatly in the various areas. In general, lower Georgia Strait, the inner Strait of Juan de Fuca, Admiralty Inlet, and Colvos Passage have been sampled less intensively than other areas. The map of an abundant species, such as the English sole (*Parophrys vetulus*) which is caught by most types of gear and found in a wide depth range, indicates areas most intensively fished. Large blank areas on a map cannot be interpreted to mean that a particular species is not found in those areas. It only means that we have, as yet, no records for that species in those areas. This is often the result of lack of sampling effort for those areas or for that particular species. It is evident, however, for some species that they are more abundant in certain areas of Puget Sound; for example, the blackfin sculpin (*Malacocottus kincaidi*) is most abundant in Hood Canal. Further study of original catch data reveals that the blackfin sculpin is most often caught in deep trawls in areas of dense shrimp populations, such as are known to occur in Hood Canal.

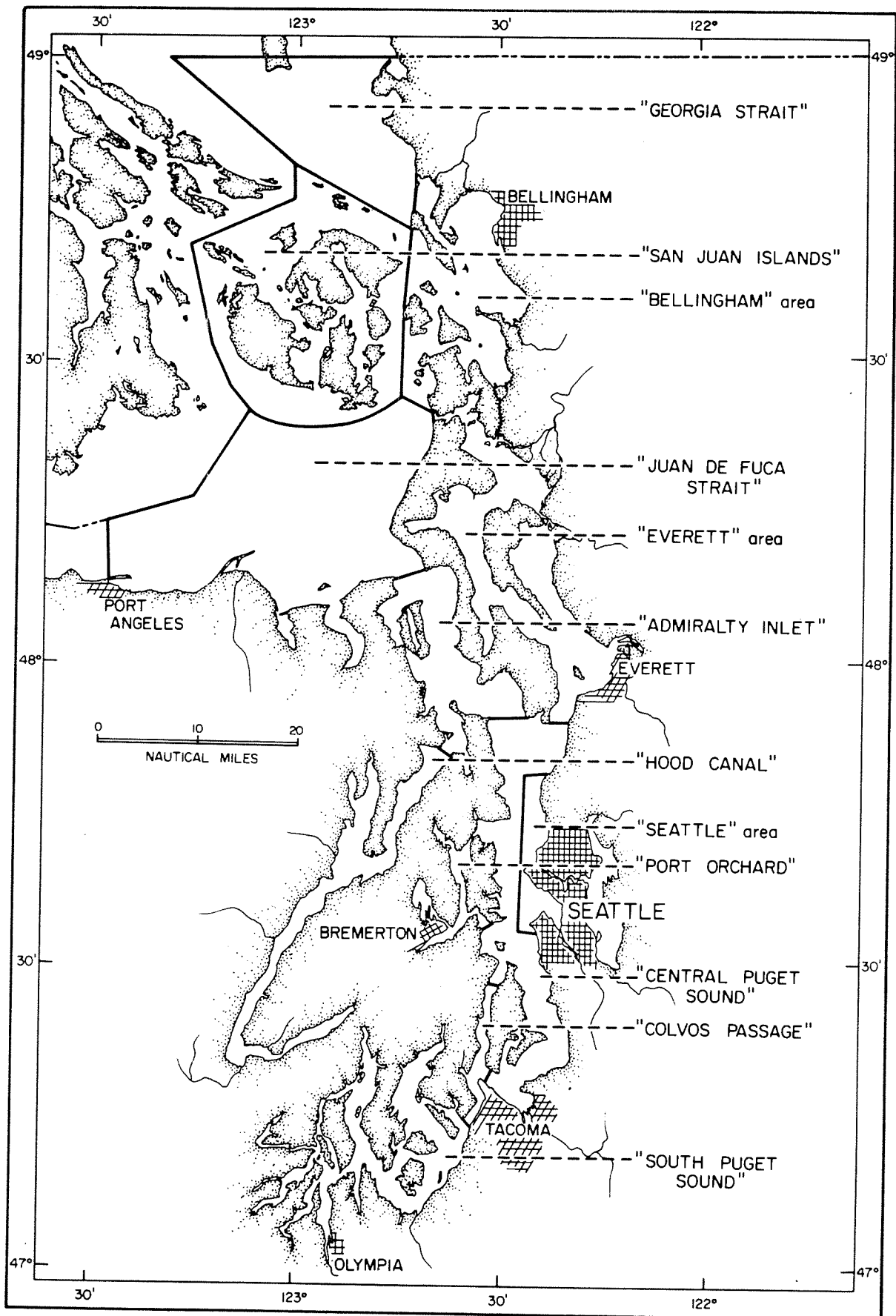


Figure 1. The 12 sampling areas used to group reports of fish occurrence in Puget Sound.



A phylogenetic order of families and species is used in the maps and source sheets (see the List of Families and Species). This order follows the standard set by the American Fisheries Society (1970). We have used Hart (1973) as our reference in those cases where the American Fisheries Society does not list a name. A decimal paging system is used to facilitate the addition of new records and species during future updating. Each family is indicated by the number preceding the decimal point. Species are listed in alphabetical order within a given family and paged consecutively by numbers following the decimal points. Source sheets follow each map and are paged separately by species.

The bibliography is of published records only. A "bibliography" or explanation of source sheet categories (p. xvi) is provided for locating or citing sources.

The authors would like to emphasize that they welcome any additional information that readers may be prepared to provide. Data are stored on magnetic cards so that records may be added easily. Periodic updating of this information is contemplated. It is our hope that work may soon begin on a similar project to gather information of fish records from the outer Strait of Juan de Fuca and the Washington Coast.

# KEY TO SOURCE SHEETS

PS - Puget Sound, general	HC - Hood Canal
GS - Georgia Strait	CS - Central Puget Sound
JF - Juan de Fuca Strait	PO - Port Orchard
SJ - San Juan Islands	S - Seattle area
B - Bellingham area	CP - Colvos Passage
E - Everett area	SS - South Puget Sound
AI - Admiralty Inlet	

number of occurrences from this location from this source

5-SS: (Fort Steilacoom): Girard, 1859.

area location                      specific location or locations within area

1-PS: Jordan & Starks, 1896.

source gave location as "Puget Sound"--record is not mapped

1-CP: Jordan & Gilbert, 1882.

record in this area, but either there was not a more specific location given by the source or two or more hauls in different locations were lumped by the source--record is not mapped unless it is the only record for that area

73-AI: (White Rock; Port Townsend; north of Olele Pt.): Evermann and Goldsbrough, 1907.

This means that of these 3 Admiralty Inlet records, one was from White Rock, and one was from Port Townsend, and one was from north of Olele Pt.

If this number were 15+- then 5+ were from White Rock...etc.

If this number were 50+- (Fishing areas, etc.) then all locations mentioned (listed) would be 50+ each.

Other information:

8-5206 A number preceding a boat log entry gives the number of occurrences in that collection or series of hauls at a certain location.

E (Gedney I.): Chapman and DeLacy 1933 (Duplicated by museum record).

No number indicates that there was a known but unmatched duplication (entry not mapped).



## EXPLANATION OF SOURCE CATEGORIES

### Published Records

*See Bibliography.* This includes a broad spectrum of printed material (many technical reports).

### University of Washington Museum Collection

These records are from notebooks listing the specimens preserved in the College of Fisheries Museum. The notebooks are kept in the museum.

### Friday Harbor Laboratory Log

These logs are of collections made largely in the San Juan Islands and in connection with class or research work at the University of Washington, Friday Harbor Laboratories and/or the College of Fisheries.

### University of Washington Boat Log

These logs list collections made using some of the research vessels (mainly the COMMANDO) of the College of Fisheries. Also listed are many of the class beach seine trips. The logs are available through the Dean's Office at the College of Fisheries.

### Miscellaneous Logs

This is a potpourri of any legitimate record or set of records which cannot be classified by the above categories. They range from logs of various research institutions to verified phone calls and photographs from marine scientists. The following is an alphabetized listing and explanation of the abbreviated citations of important logs in the miscellaneous category which need further explanation.

*FRI, Tyler Data Sheets, 1965.* Data sheets from a research project in Bellingham Bay conducted by the Fisheries Research Institute at the College of Fisheries.

*METRO, 1963-70.* Records from collections made by the Municipality of Metropolitan Seattle in areas near sewage treatment plants.

*NIH (date or collection number).* Records from trawl and beach seine collections made under the direction of Dr. Bruce S. Miller as part of various National Institute of Health grants.

*NMFS, COBB - (cruise or date of cruise).* Records from trawl collections of the R/V COBB made by the U.S. Department of Commerce, National Marine Fisheries Service.

*Sea Grant (date or collection number).* Records from trawl and beach seine collections made under the direction of Dr. Bruce S. Miller as part of several individual grants.

*U.W. Oceanography, 1964-67.* U.W. Oceanography, P.G. (Port Gardner) or P.O. (Port Orchard), and other variations. Records from research collections made under the direction of Dr. T. Saunders English of the University of Washington, Department of Oceanography. Most collections were made by beam trawl from the R/V HOH.

*Van Cleve, Trap, 1961-65.* Records from test collections made with a College of Fisheries automated bottom sampler under the direction of Dr. Richard Van Cleve.

*WSDF, Commercial catch comp., 1966-71.* Records compiled from commercial fishing data as part of the catch composition estimation program of the Washington State Department of Fisheries.

*WSDF, Groundfish trawl, (date).* Records from trawls made by the Washington State Department of Fisheries.

*WSDF, Gulf Georgia, 1969.* Records from trawl investigations made by the Washington State Department of Fisheries in the Gulf (Strait) of Georgia.

*WSDF, Sport Fish, 1965-70.* Records from information collected during the sport fishery boat check program of the Washington State Department of Fisheries.



# LIST OF FAMILIES AND SPECIES

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# INDEX TO COMMON NAMES

[Family names are capitalized]

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8 Angel Sharks  
47.1 arrow goby  
59.1 arrowtooth flounder

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1.1 Pacific lamprey  
52.2 Pacific ocean perch  
34.1 Pacific pomfret  
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52.16 vermilion rockfish

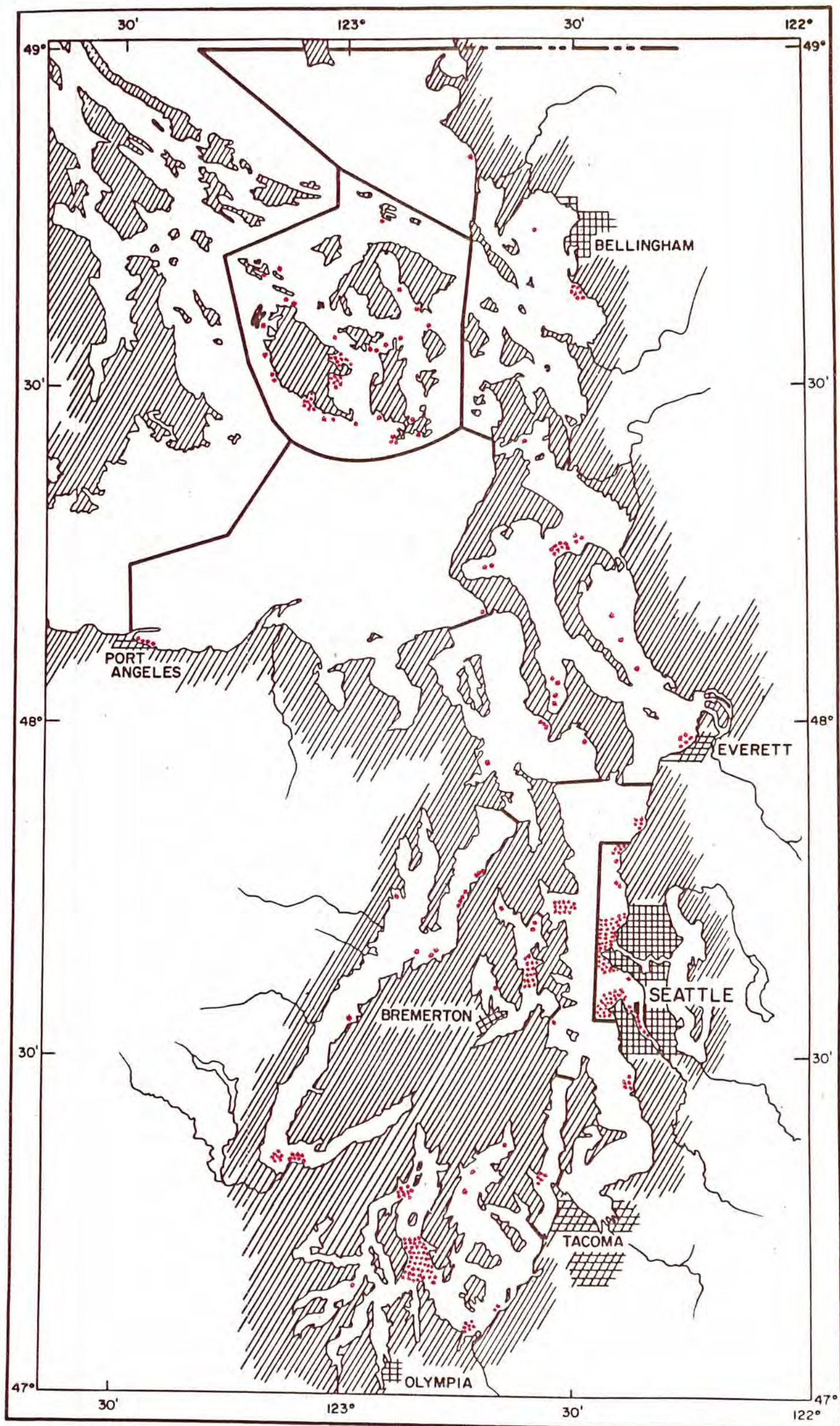
# W

24.4 walleye pollock  
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 40.9 whitebarred prickleback  
 35.2 white croaker  
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 36.5 white seaperch  
 54.3 whitespotted greenling  
 12.2 white sturgeon  
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 42.1 wolf-eel  
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 44 Wrymouths

# Y

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 52.12 yellowtail rockfish







*Artedius fenestralis*

## Cottidae

Published Records

- 1-JF (beach seine: Port Angeles):  
Gilbert, 1895.  
1-AI (Port Ludlow): Starks, 1896b.  
1-PS: Jordan and Starks, 1896.  
1-JF (Admiralty Head):  
Evermann and Goldsborough, 1907.  
1-HC (Holly):  
Schultz and DeLacy, 1935-36.  
1-SJ: Starks, 1911.  
1-SJ (Sucia Island):  
Evermann and Goldsborough, 1907.

University of Washington  
Museum Collection

- 1-SJ (Davis Bay): 605.  
1-SJ (East Sound): 616.  
1-CS (reef north of Manchester  
Rocks): 642.  
12-S (Alki Point): 662; 748; 791;  
923; 980; 1922; 3783; 4394; 4485;  
4826; 4886; 4893.  
1-SJ (Upright Head, Shoal Bay):  
674.  
1-SJ (Flat Point): 685.  
1-S (Seattle): 706.  
1-S (West Seattle): 15518.  
5-S (Golden Gardens):  
773; 5766 (also boat 5001); 5649;  
6085 (also boat 5047B); 6143.  
1-SJ (Cattle Point): 1010.  
1-SJ (near Peavine Pass): 1104.  
1-SJ (off Brown Island): 1213.  
1-SJ (Kanaka Bay): 1259.  
1-SJ (False Bay): 1264.  
1-SJ (reef at False Bay): 1474.  
1-SJ (near Olga): 1493.  
1-PO (off Seabold): 4373.  
1-AI (Useless Bay): 4565.  
1-PO (Liberty Bay): 6193.  
1-HC (Seal Rock Beach): 7304.  
1-SS (Carr Inlet, off Glen Cove):  
8317.  
1-E (near Dewey, Deception Pass):  
10176.  
1-SS (Totten Inlet): 14282.  
1-CS (Port Madison, off Indianola):  
16219.  
2-S (off Golden Gardens):  
5842 (also boat 496C); 5739.  
1-S (Richmond Beach):  
5897 (also boat 2/13/50).  
1-JF (Port Angeles): 1424.  
1-SJ (Squaw Bay): 2078.  
1-SJ (Brown Island): 2127.  
1-SJ (Limestone Point):  
17429 (also museum 17979 and  
Friday Harbor Log, 6/23/63).  
1-SJ (Point east of Eagle Cove):  
17420 (also Friday Harbor Log,  
8/5/63).  
2-S (beach seine: Alki Point):  
4512; 4527.  
5-S (Edmonds Beach):  
4562; 5450; 5463; 5483; 5526.

- 2-S (Edmonds): 4938; 5495.  
1-S (Edwards Point to Wells Point):  
4985.  
1-S (Carkeek Park): 5537.  
1-S (Carkeek Park Beach): 5973.  
4-S (beach seine: Golden Gardens):  
14278; 14353 (also boat 492E);  
14442 (also boat 5129B); 18056  
(also boat 6211).  
1-SJ (Friday Harbor): 14283.  
1-SJ (north side Johns Island,  
second bay):  
14309 and 14315 (also Friday  
Harbor Log, 8/19/52-2).  
1-CS (Browns Bay Beach): 14308.  
1-SJ (Upright Channel): 17208 (also  
Friday Harbor Log, 7/5/63).  
1-SJ (Deadman Bay): 17944 (also  
Friday Harbor Log, 8/2/63).  
1-SJ (Hannah Heights): 18018.

Friday Harbor Laboratory Log

- 1-SJ (Mud Bay): 8/15/55-3.  
8-SJ (Argyle Bay):  
8/16/55-3; 8/11/60-3,4; 8/22/61;  
7/12/61-1,3; 7/15/63; 7/10/69-4.  
1-SJ (outside False Bay):  
8/17/55-1.  
4-SJ (Friday Harbor Lab): 8/18/55;  
7/9/60; 7/19/60; 8/4/60-1.  
1-SJ (south of Neck Point):  
8/14/50-1.  
4-SJ (False Bay): 8/5/60; 6/29/61;  
7/26/61; 6/21/63.  
1-SJ (Friday Harbor): 8/6/60-1.  
2-SJ (North Bay): 8/18/60-1,2.  
2-SJ (Iceberg Point tidepool):  
8/22/60-1; 7/19/63-2.  
1-SJ (McArdle Bay): 8/22/60-3.  
1-SJ (Iceberg Point): 6/28/61-2.  
1-SJ (Smallpox Bay): 7/13/61.  
1-SJ (Mosquito Pass): 7/17/61-1.  
1-SJ (Turn Island): 7/30/61.  
1-SJ (Deadman Bay): 6/22/63.  
1-SJ (Squaw Bay or West Sound):  
6/30/67.  
1-SJ (Eagle Point): 7/5/67.  
1-SJ (Reed Harbor): 7/15/69-3.

University of Washington Boat Log

- 1-PO (Agate Pass., buoy N5-6):  
5048A.  
1-SS (Carr Inlet, off Wauna):  
5126L.  
3-S (off Golden Gardens):  
495D; 6112A; 6206A.  
12-S (beach seine: Golden Gardens to  
Meadow Point): 5040A; 5047A;  
5114B; 5116B,F; 5134A; 5214B;  
5925A; 6210C; 6509B,D; 7209B.  
2-S (Golden Gardens): 6511D,E.  
3-S (beach seine: Carkeek Park):  
5225A,B; 5231A.

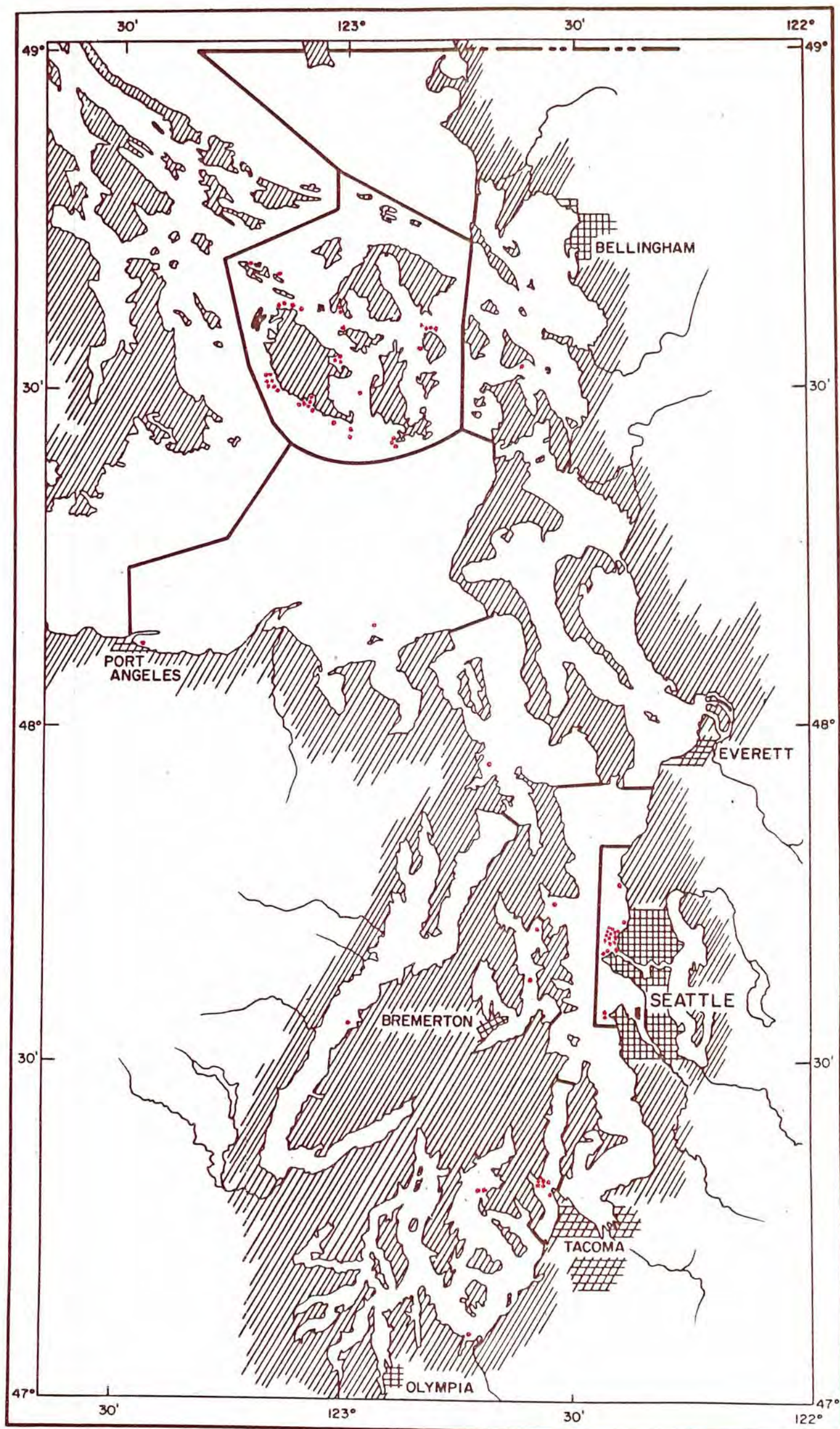
*Artedius fenestralis*

## Cottidae

Miscellaneous Logs

- 21-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.
- 3-S (Meadow Point):  
U.W. Ocean., 1964-67.
- 5-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.
- 11-PO (south of Fletcher Bay):  
U.W. Ocean., P.O., 1964-65.
- 109-S (Golden Gardens to Meadow Point):  
U.W. Ocean., Hoh, 1963-68.
- 1-S (Richmond Beach):  
U.W. Ocean., Hoh, 1963-68.
- 5-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck):  
U.W. Ocean., Hoh, 1963-67.
- 53-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 13-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 3-E (Port Susan):  
U.W. Ocean., Hoh, 1963-67.
- 7-E (off Demock Point to Utsalady Point):  
U.W. Ocean., Hoh, 1963-67.
- 1-E (Penn Cove):  
U.W. Ocean., Hoh, 1963-67.
- 4-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.
- 1-E (Penn Cove):  
U.W. Ocean., Hoh, S.J., 1966.
- 3-E (Utsalady):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 2-JF (beach seine: Port Angeles embayment):  
Peninsula College, 1971.
- 2-CP (beach seine: Gig Harbor Spit):  
Sea Grant, 72003 (also boat 7208).
- 1-GS (beach seine: just south of Cherry Point): Sea Grant, 72008.
- 3-S (Duwamish River estuary, between 16th S. and 1st Ave. S. bridges):  
Sea Grant, 1972.
- 3-AI (beach seine: Mutiny Bay):  
Sea Grant, 1972.
- 5-CS (beach seine: Seahurst County Park): Sea Grant, 72016.
- 1-PO (beach seine: Dyes Inlet, Tracyton launch ramp):  
Sea Grant, 72018.
- 3-SS (off Nisqually Flats):  
Sea Grant, 1972.
- 1-SS (beach seine: Nisqually Head):  
Sea Grant, 72030.
- 3-CP (off Gig Harbor Spit):  
Sea Grant, 72025.
- 1-HC (off Big Beef Harbor):  
Sea Grant, 72026.
- 8-S (beach seine: Golden Gardens):  
Sea Grant, 1972.
- 2-B (beach seine: Wildcat Cove):  
Sea Grant, 72029.
- 1-B (Bellingham Bay, off Nooksack River estuary):  
Sea Grant, 72035.
- 6-S (beach seine: north side of West Point): Sea Grant, 1973.
- 11-S (beach seine: south side of West Point): Sea Grant, 1973.
- 4-S (beach seine: north of Meadowdale at Lunds Gulch):  
Sea Grant, 73002.
- 1-S (off northwest side of West Point): Sea Grant, 1973.
- 3-S (off southwest side of West Point): Sea Grant, 1973.
- 2-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 1-S (southwest of Alki Point):  
Sea Grant, 1973.
- 1-S (Duwamish River estuary, between 1st Ave. S. and 16th Ave. S. bridges): Sea Grant, 1973.
- 4-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
- 4-SS (off Nisqually-McAllister Creek delta): Sea Grant, 1973.
- 1-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 5-B (beach seine: Wildcat Cove):  
Sea Grant, 1973.
- 10-SS (mid-channel, McLane Cove to Stretch Island):  
Sea Grant, 1973-74.
- 7-HC (off Union):  
Sea Grant, 1973-74.
- 8-HC (off Skokomish River delta):  
Sea Grant, 1973.
- 3-HC (beach seine: just north of Vinland): Sea Grant, 73038.
- 4-HC (Bangor Annex): Kramer, Chin and Mayo NCEL Survey, 1973.
- 2-SS (Tatsolo Point):  
Sea Grant, 73059.







*Artedius harringtoni*

## Cottidae

Published Records

1-AI (Port Ludlow): Starks, 1896b.  
 1-PS: Kincaid, 1919.  
 1-HC (Holly):  
     Schultz and DeLacy, 1935-36.  
 1-SJ: Starks, 1911.

University of Washington  
Museum Collection

1-S (Government Locks): 98.  
 1-SJ (Cattle Point): 1011.  
 1-SJ (Lime Kiln): 1028.  
 1-SJ (2 miles south of Lime Kiln):  
     1059.  
 2-SJ (Kanakan Bay): 1080; 1248.  
 3-SJ (Peavine Pass):  
     1091; 1336; 2090.  
 1-SJ (near Peavine Pass): 1200.  
 2-SJ (Deer Harbor): 1221; 1285.  
 1-SJ (Brown Island): 1234.  
 2-SJ (False Bay): 1265; 6185.  
 1-JF (Port Angeles): 1425.  
 2-S (Alki Point): 1922; 6212.  
 1-JF (Dallas Bank): 5387.  
 1-CS (Port Madison, off Indianola  
     dock): 5888 (also boat 5006B).  
 1-S (Richmond Beach):  
     5898 (also boat 2/13/50).  
 1-CP (Tacoma Aquarium, J. Slipp):  
     7183.  
 1-S (off Golden Gardens):  
     5739 (also boat 497E).  
 1-SJ (San Juan Channel): 1328.  
 1-SJ (northeast side San Juan  
     Island): 1300.  
 1-B (Guemes Island, boat harbor):  
     1314.  
 1-SJ (west shore Blakely Island):  
     2113.  
 1-SJ (Wasp Pass.): 2973.  
 2-SJ: 14304; 17958.  
 1-SJ (False Bay reef): 16404.  
 1-SJ (Hannah Heights): 18020 (also  
     Friday Harbor Log, 8/3/63).  
 1-S (beach seine: Golden Gardens):  
     18071 (also boat 6211).  
 1-SJ (Limestone Point):  
     17433 and 17984 (also Friday  
     Harbor Log, 6/23/63).

Friday Harbor Laboratory Log

1-SJ (Friday Harbor Lab): 8/2/52.  
 1-SJ (north side Johns Island,  
     second bay): 8/19/52-1.  
 1-SJ (Salmon Banks): 8/14/52.  
 1-SJ (Prevost Harbor): 8/19/52.  
 1-SJ (Friday Harbor): 8/7/60-2.  
 3-SJ (Iceberg Point tidepool):  
     8/22/60-1; 7/19/63-2; 7/7/67.  
 5-SJ (Deadman Bay):  
     6/22/63; 8/2/63; 6/27/67; 7/3/67;  
     7/11/67-1.

1-SJ (Hannah Heights): 7/6/67.  
 1-SJ (point east of Eagle Cove):  
     8/5/63.  
 1-SJ (False Bay): 7/18/67.

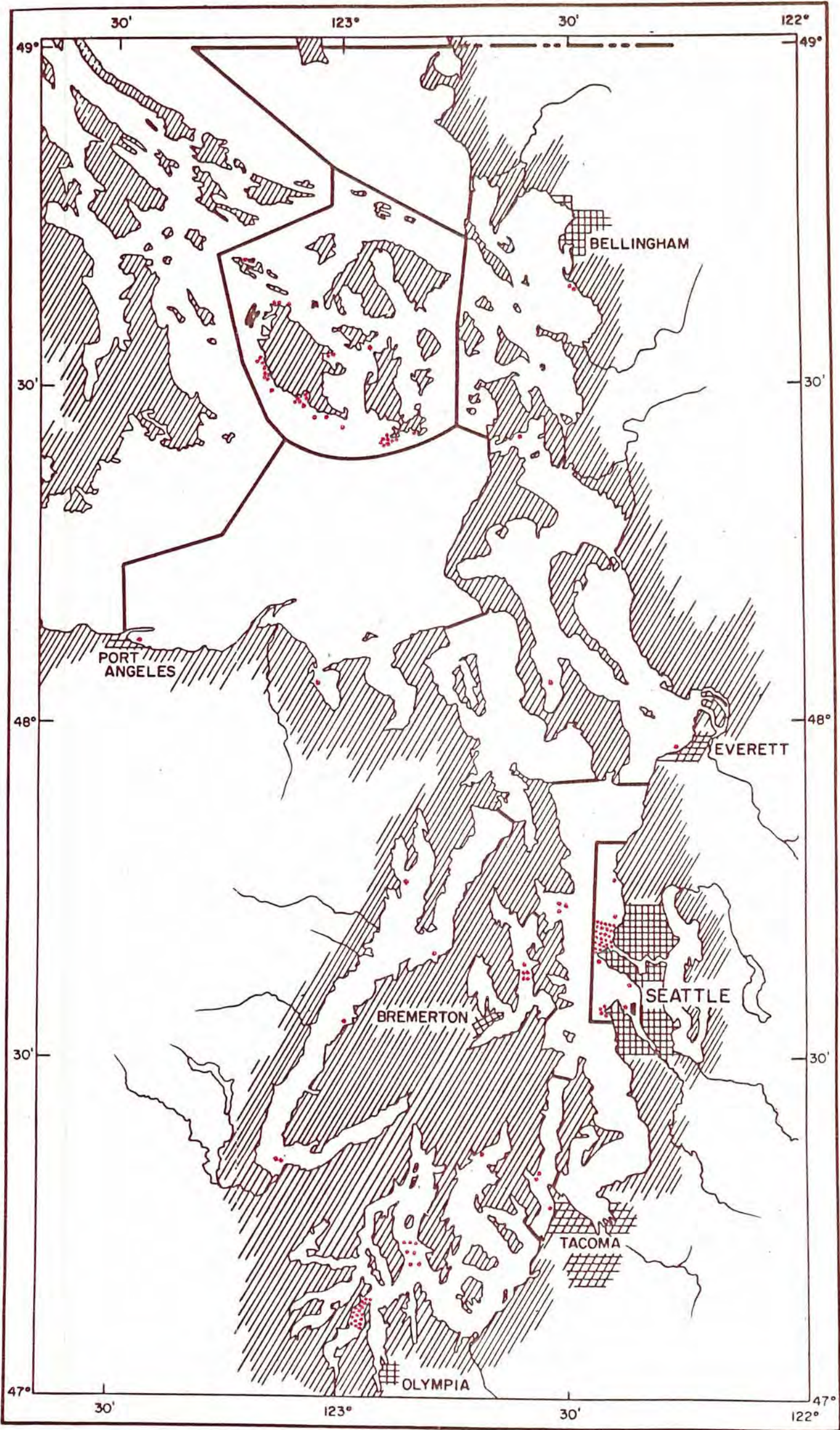
University of Washington Boat Log

1-PO (Agate Pass., buoy N4-N6):  
     5006A.  
 1-SS (east of Cutts Island): 5037D.  
 1-SS (west side of Cutts Island,  
     beach seine): 5037E.  
 8-S (beach seine: Golden Gardens to  
     Meadow Point):  
     5001; 5040A; 5127C; 5129B; 5214A;  
     6115A; 6509D; 7209B.  
 1-S (beach seine: Carkeek Park):  
     5311B.  
 1-S (Golden Gardens): 6511E.

Miscellaneous Logs

1-PO (south of Fletcher Bay):  
     U.W. Ocean., P.O., 1964-65.  
 1-S (Golden Gardens to Meadow  
     Point):  
     U.W. Ocean., Hoh, 1963-68.  
 5-CP (beach seine: Gig Harbor Spit):  
     Sea Grant, 72003 (also boat  
     7208).  
 2-CP (off Gig Harbor Spit): Sea  
     Grant, 72003 (also boat 7208).  
 2-S (off northwest side of West  
     Point): Sea Grant, 1973.  
 1-SS (off Nisqually River-McAllister  
     Creek delta): Sea Grant, 1973.







*Artedius lateralis*

## Cottidae

Published Records

1-PS: Jordan and Starks, 1896.  
 1-E (Dewey): Smith, 1937.  
 1-SJ: Starks, 1911.  
 1-HC (Holly):  
     Schultz and DeLacy, 1935-36.  
 1-S (Seattle): Jamison, 1966.

University of Washington  
Museum Collection

4-S (Alki Point):  
     793; 921; 1922; 14255.  
 1-SJ (Cattle Point): 1012.  
 1-SJ (Lime Kiln): 1025.  
 1-SJ (2 miles south of Lime Kiln):  
     1058.  
 2-SJ (Kanaka Bay): 1077; 1140.  
 2-SJ (False Bay): 1175; 1261.  
 1-SJ (False Bay reef): 1481.  
 1-S (off North Beach): 4719.  
 2-S (beach seine: Golden Gardens):  
     5767 (also boat 5001); 15742  
     (also boat 5040A).  
 1-S (Richmond Beach):  
     5899 (also boat 2/13/50).  
 1-PO: 8157.  
 1-JF (Port Angeles): 10190.  
 1-SS (Carr Inlet, north of Minter  
     Creek): 10217.  
 1-SJ (Prevost Harbor): 10456.  
 1-SJ (reef north of Lime Kiln  
     light): 10762.  
 1-HC (Point Whitney): 14690.  
 1-CP (Tacoma Narrows): 15196.  
 1-SJ (south of Smallpox Bay): 14313  
     (also Friday Harbor Log, 7/8/52).  
 1-SJ (Smallpox Bay): 14314.  
 1-SJ (Deadman Bay): 17935 (also  
     Friday Harbor Log, 8/2/63).  
 1-SJ: 17965.  
 1-SJ (Hannah Heights): 18003 (also  
     Friday Harbor Log, 8/3/63).  
 1-SJ (Iceberg Point): 18006 (also  
     Friday Harbor Log, 7/18/63-2).  
 1-SJ (Limestone Point): 17430 (also  
     Friday Harbor Log, 6/23/63).  
 1-SJ (point east of Eagle Cove):  
     17412 (also Friday Harbor Log,  
     8/5/63).

Friday Harbor Laboratory Log

3-SJ (Iceberg Point tidepool):  
     8/4/55-2; 7/19/63-2; 6/29/73-2.  
 2-SJ (Friday Harbor Lab):  
     8/18/55; 7/19/60.  
 1-SJ (Kanaka Bay): 8/21/60.  
 1-SJ (McArdle Bay): 8/22/60-3.  
 4-SJ (Iceberg Point):  
     6/28/61-2; 7/7/67; 6/30/69-3,5.  
 1-SJ (False Bay): 6/29/61.  
 1-SJ (Smallpox Bay): 7/13/61.  
 3-SJ (Deadman Bay):  
     6/22/63; 7/3/57; 7/11/67-1.

1-SJ (Hannah Heights): 7/6/67.  
 1-SJ (Eagle Point): 7/5/67.  
 1-SJ (Squaw-Ogden): 6/27/69.

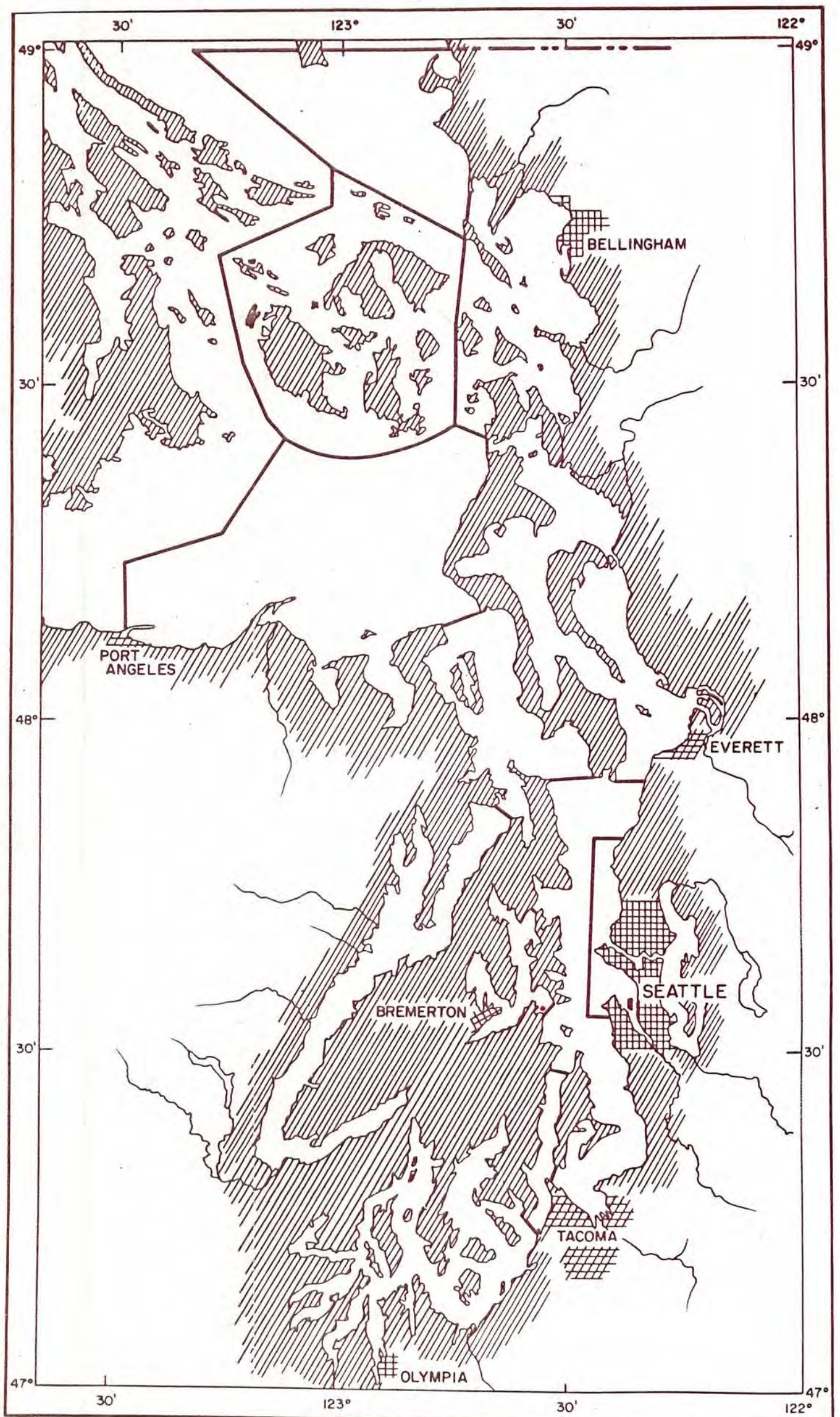
University of Washington Boat Log

1-S (off Golden Gardens): 5203D.  
 2-S (beach seine: Golden Gardens):  
     6509; 6511D.

Miscellaneous Logs

1-S (Duwamish River estuary):  
     U.W. Ocean., 1964-67.  
 1-E (Port Gardner Bay):  
     U.W. Ocean., P.G., 1962-67.  
 4-PO (south of Fletcher Bay):  
     U.W. Ocean., P.O., 1964-65.  
 44-S (Golden Gardens to Meadow  
     Point):  
     U.W. Ocean., Hoh, 1963-68.  
 1-PO (south and north of Fletcher  
     Bay): U.W. Ocean., Hoh, 1963-67.  
 7-SS (Case Inlet, off Taylor Bay to  
     off Whiteman Cove):  
     U.W. Ocean., Hoh, 1963-67.  
 3-CS (Port Madison):  
     Van Cleve, trap, 1961-65.  
 24-SS (Eld Inlet entrance):  
     Van Cleve, trap, 1961-65.  
 1-JF (upper part of Discovery Bay):  
     Sea Grant, 71111.  
 2-CP (beach seine: Gig Harbor Spit):  
     Sea Grant, 72003 (also boat  
     7208).  
 1-HC (off Big Beef Harbor):  
     Sea Grant, 72026.  
 1-B (beach seine: Wildcat Cove):  
     Sea Grant, 72029.  
 1-S (beach seine: south side of West  
     Point): Sea Grant, 1973.  
 1-B (beach seine: Wildcat Cove):  
     Sea Grant, 1973.  
 2-HC (off Skokomish River delta):  
     Sea Grant, 1973.  
 1-E (Holmes Harbor):  
     Van Cleve, trap, 1961-65.







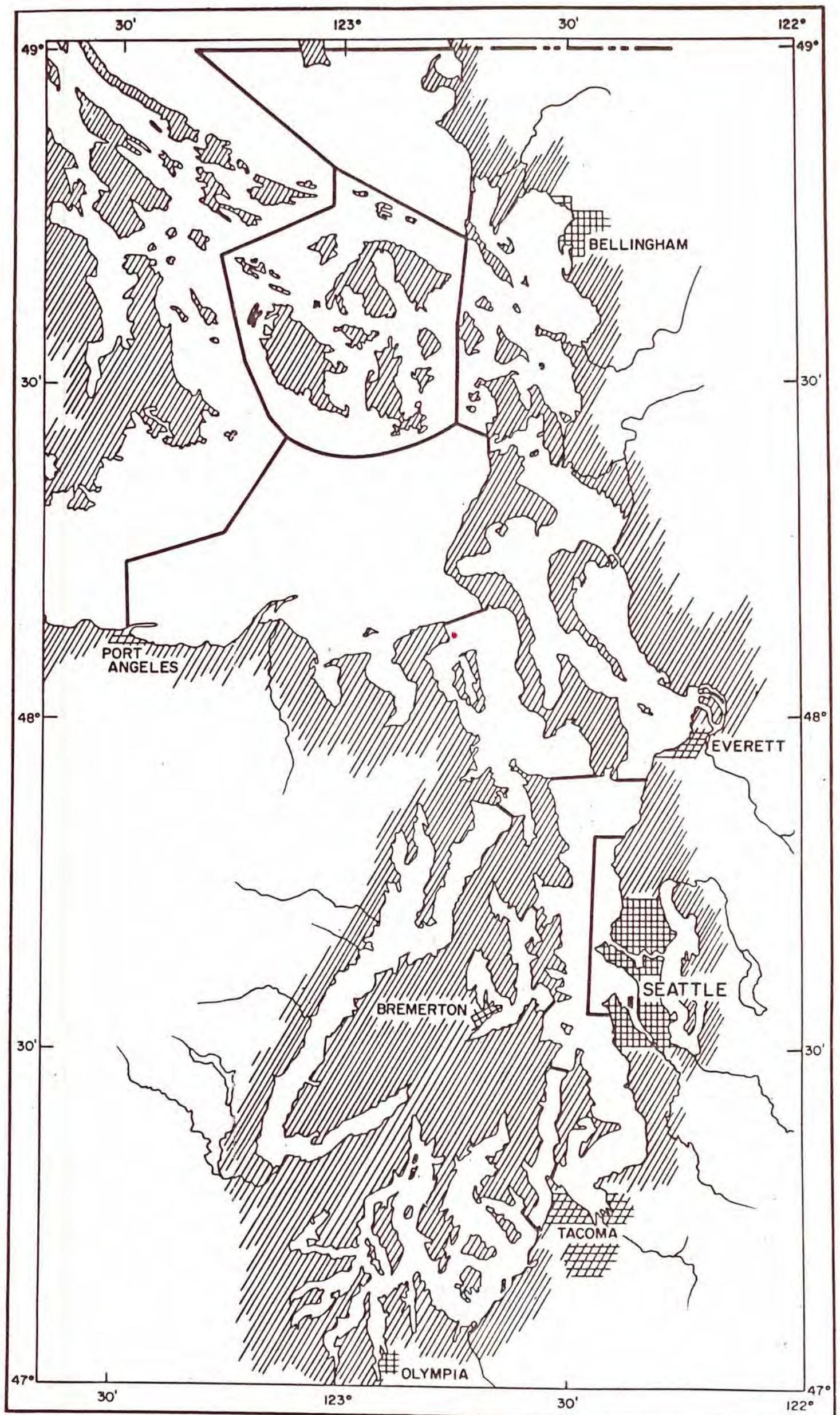
*Arteāius meanyi*

Cottidae

Published Records

1-PO (Orchard Pcint): Jordan and  
Starks, 1896; Kincaid, 1919;  
Rosenblatt and Wilkie, 1963  
(verified Jordan and Starks  
record).







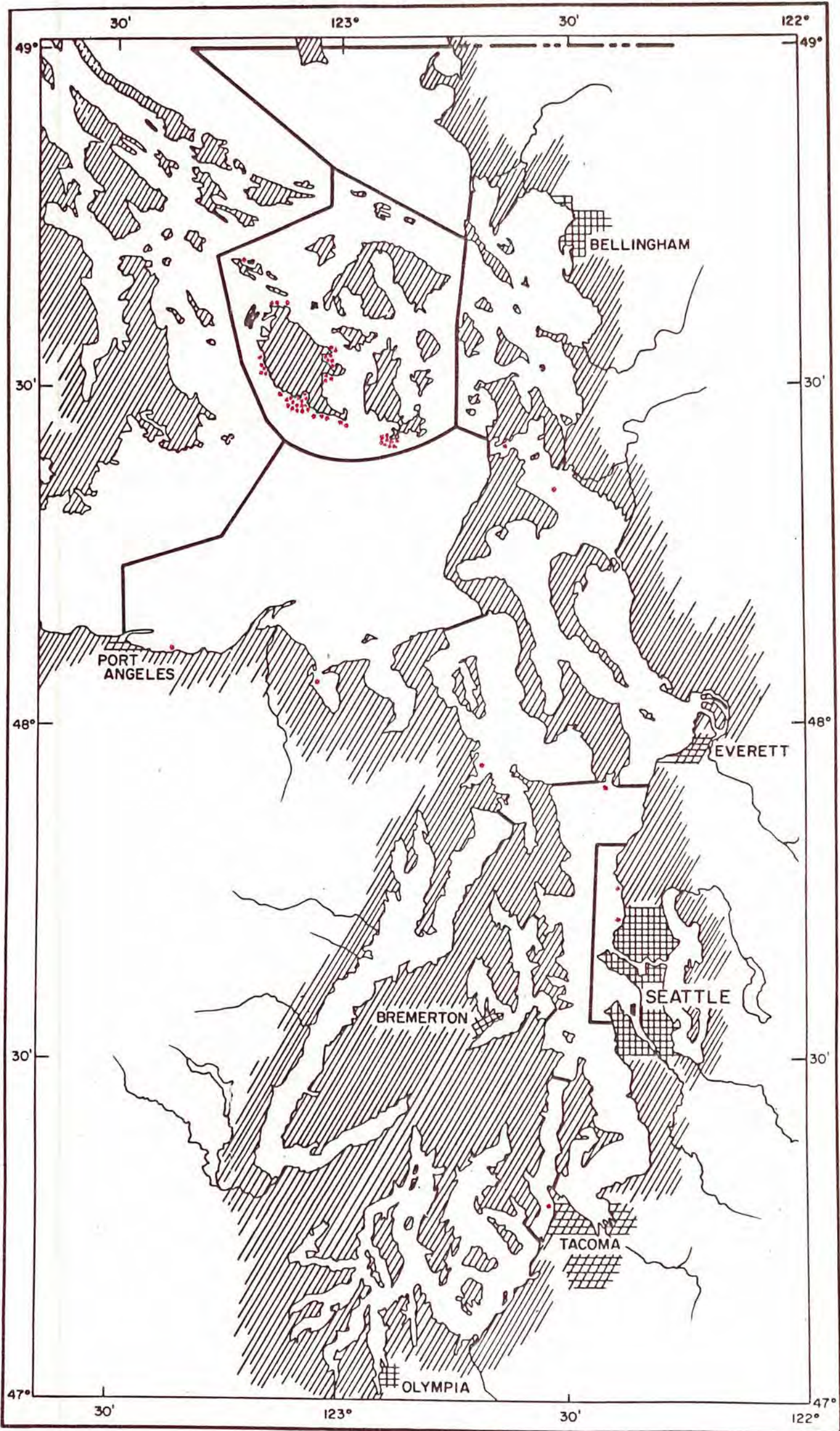
*Artedius notospilotus*

Cottidae

Published Records

1-AI (Port Townsend):  
Girard, 1859; Suckley, 1860.  
1-PS: Jordan and Gilbert, 1881c,  
1882; Hubbs, 1926 (verified —,  
Jordan and Gilbert record).







*Ascelichthys rhodorus*

Cottidae

Published Records

1-AI (Port Ludlow): Starks, 1896b.  
 1-SJ: Shelford et al., 1935.  
 1-PS: Kincaid, 1919.  
 1-E (Skagit and Similk Bays):  
 Stober and Salo, 1970a.

University of Washington  
Museum Collection

1-E (Deception Pass): 172.  
 1-SJ (Cattle Point): 1015.  
 1-SJ (Lime Kiln): 1023.  
 2-SJ (Friday Harbor): 1040; 1492.  
 1-SJ (2 miles south of Lime Kiln):  
 1057.  
 5-SJ (Kanaka Bay): 1073; 1144;  
 1246; 10438; 14259.  
 3-SJ (False Bay):  
 1270; 6184; 16362.  
 1-CP (Tacoma): 14359.  
 1-JF (beach near Morse Creek):  
 14635.  
 2-SJ (Iceberg Point):  
 2955; 1799 (also Friday Harbor  
 Log, 7/18/63-2).  
 1-SJ (Prevost Harbor): 10450 (also  
 Friday Harbor Log, 8/19/52).  
 1-SJ (entrance to False Bay):  
 10458 (also Friday Harbor Log,  
 8/4/52-1).  
 1-SJ (reef north of Lime Kiln  
 light): 10763.  
 1-SJ (Smallpox Bay): 11180 (also  
 Friday Harbor Log, 7/8/52).  
 1-SJ (Iceberg Point tidepool):  
 16363 (also Friday Harbor Log,  
 7/22/52-3).  
 1-SJ (Hannah Heights): 17939.  
 1-SJ (Limestone Point): 17437 (also  
 Friday Harbor Log, 6/23/63).  
 1-SJ (point east of Eagle Cove):  
 17424 (also Friday Harbor Log,  
 8/5/63).

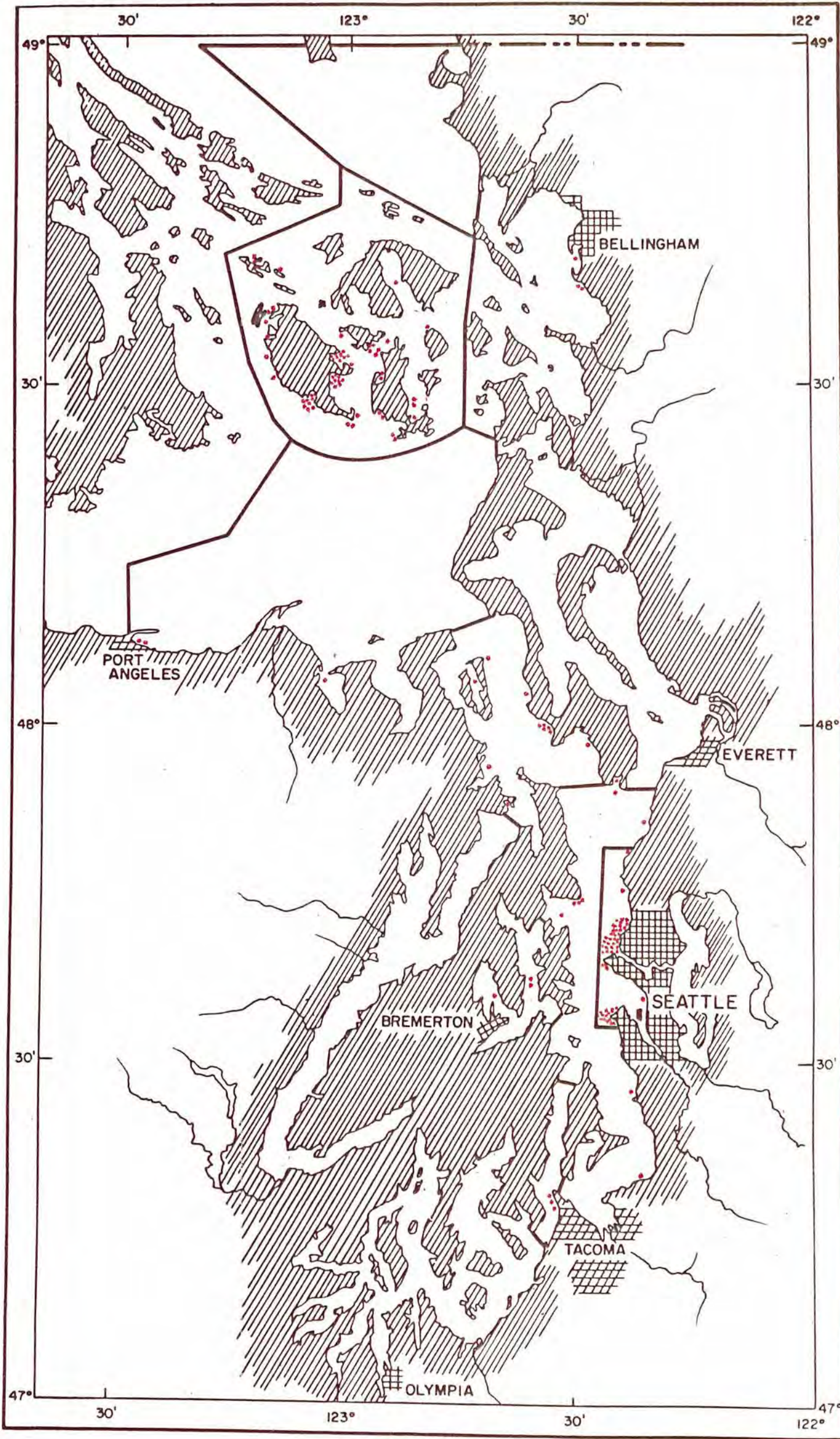
Friday Harbor Laboratory Log

1-SJ (American Camp): 7/6/52.  
 2-SJ (Iceberg Point tidepool):  
 8/4/55-2 (also boat 5520D);  
 8/22/60-1.  
 1-SJ (Brown Island): 8/2/55.  
 3-SJ (Argyle Bay):  
 8/16/55-2,3; 8/11/60-4.  
 2-SJ (outside False Bay):  
 8/17/55-1,2.  
 4-SJ (Friday Harbor Lab): 7/9/60;  
 8/4/60-1; 6/67; 6/21/67-2.  
 5-SJ (False Bay): 8/5/60; 8/29/61;  
 7/26/61; 6/21/63; 7/18/67.  
 1-SJ (Kanaka Bay): 8/21/60.  
 1-SJ (Friday Harbor): 6/27/61.  
 5-SJ (Iceberg Point): 6/28/61-2;  
 7/19/63-2; 7/7/67; 6/30/69-3,5.  
 2-SJ (Deadman Bay):  
 6/22/63; 7/3/67.

Miscellaneous Logs

1-CS (Scatchet Head): A.C. DeLacy,  
 personal communication.  
 1-S (Carkeek Park): George Warner,  
 personal communication, 1957.  
 1-JF (Sequim Bay):  
 Battelle, 1967-69.  
 1-S (south of Richmond Beach): A.C.  
 DeLacy, personal communication.







*Blepsias cirrhosus*

## Cottidae

Published Records

1-PS: Steindachner, 1877.  
 1-AI (Port Ludlow): Starks, 1896b.  
 1-JF (beach seine: Port Angeles):  
 Gilbert, 1895.  
 1-PS: Kincaid, 1919.  
 2-AI (Marrowstone Point; Kilisut  
 Harbor):  
 Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-SJ (near Friday Harbor):  
 Powers, 1921.  
 1-SJ: Shelford et al., 1935.  
 1-SJ (Friday Harbor):  
 Wismer and Swanson, 1935.  
 1-S (Seattle): Jamison, 1966.  
 3-CS (beach seine: south side of  
 Point Jefferson): Kendall, 1966.  
 S (south of Meadow Point):  
 DeLacy and English, 1954  
 (duplicates boat log records).

University of Washington  
Museum Collection

1-SJ (Argyle Bay): 557.  
 3-SJ (False Bay): 577; 584; 2268.  
 1-SJ (East Sound, White Beach):  
 594.  
 2-SJ (Davis Bay): 597; 1188.  
 9-SJ (Alki Point): 666; 753; 826;  
 919; 4503; 4890; 4891; 796; 4906.  
 1-SJ (Flat Point): 722.  
 1-SJ: 730.  
 1-SJ (Cattle Point): 1007.  
 2-SJ (Friday Harbor): 1041; 2181.  
 2-SJ (Peavine Pass): 1090; 1105.  
 1-S (Edmonds): 4321.  
 1-S (hook and line, Seattle  
 waterfront): 4382.  
 1-AI (Useless Bay): 4419.  
 1-S (beach seine: Alki Point):  
 4530.  
 1-S (beach seine: spit near Ballard  
 Locks): 4575.  
 1-AI (Bywater Bay): 4437.  
 1-CS (off Cultus Bay):  
 5923 (also boat 5032A).  
 1-CS (beach seine: Cultus Bay):  
 10210 and 16368 (also boat 5217).  
 1-CP (Point Defiance): 11714.  
 1-CP (Tacoma Narrows): 15198.  
 1-B (Chuckanut Bay): 18284.  
 1-S (off Golden Gardens):  
 5987 (also boat 495D).  
 8-S (beach seine: Golden Gardens to  
 Meadow Point): 5937 (also boat  
 5032.1B); 5907 (also boat  
 5032.1C); 5931 (also boat  
 5032.1D); 8896 (also boat 5121B);  
 11179 (also boat 5116D2); 14312;  
 14389; 5806 (also boat 5036A).  
 1-SJ (False Bay reef): 1490.  
 1-SJ (Brown Island): 2131.  
 1-CS (Redondo Beach): 4997.

2-S (Carkeek Park Beach):  
 5971; 14329.  
 1-S (Golden Gardens): 6195.  
 1-SJ (Fisherman Bay): 6202.  
 1-SJ (Prevost Harbor): 10447 (also  
 Friday Harbor Log, 8/19/52).  
 1-SJ (Argyle Lagoon): 14247.  
 1-S (beach seine: Carkeek Park):  
 14352.  
 1-SJ (Upright Channel): 17209 (also  
 Friday Harbor Log, 7/5/63).  
 1-SJ (mid East Sound): 18011 (also  
 Friday Harbor Log, 2/21/64).

Friday Harbor Laboratory Log

1-SJ (Argyle Pond): 7/3/52.  
 4-SJ (Argyle Bay): 7/21/52;  
 8/16/55-1; 8/11/60-3; 7/15/63.  
 1-SJ (Friday Harbor Lab): 7/30/52.  
 1-SJ (north Johns Island, second  
 bay): 8/19/52-2.  
 1-SJ (Friday Harbor): 6/21/55-1.  
 1-SJ (Fisherman Bay): 6/24/55-1.  
 1-SJ (Mosquito Pass., White Point):  
 6/25/55-1.  
 3-SJ (Squaw Bay):  
 8/1/55; 7/10/61-1; 8/1/60-1.  
 1-SJ (Iceberg Point tidepool):  
 8/4/55-2.  
 1-SJ (south of Satellite Island):  
 8/15/55-1.  
 1-SJ (Mud Bay): 8/15/55-3.  
 2-SJ (outside False Bay):  
 8/17/55-1,2.  
 1-SJ (west of Goose Island):  
 7/13/50-5.  
 1-SJ (south of Neck Point):  
 8/14/50-1.  
 2-SJ (San Juan Island, opposite  
 Henry Island): 7/31/50-1,2.  
 6-SJ (False Bay):  
 7/17/50-1; 7/24/60; 8/5/60;  
 6/29/61; 6/21/63; 7/18/67.  
 1-SJ (Mitchell Bay): 8/16/60-1.  
 2-SJ (North Bay): 8/18/60-1,2.  
 1-SJ (Iceberg Point): 8/22/60-2.  
 1-SJ (Smallpox Bay): 7/13/61.  
 1-SJ (Turn Island): 7/30/61.  
 1-SJ (San Juan Island): 5/62.  
 1-SJ (Deadman Bay): 6/22/63.  
 1-SJ (Cattle Point): 6/23/67-1.  
 1-SJ (Squaw-Ogden): 6/27/69.  
 1-SJ (Friday Harbor Lab, night  
 light): 1969.

University of Washington Boat Log

23-S (beach seine: Golden Gardens to  
 Meadow Point): 5040A; 5112F;  
 5114B; 5116B,D1,F,G2; 5119E;  
 5127C; 5129B; 5134A; 5137B;  
 5209C; 5214B1,B2,C,F; 5314D;  
 5320A; 5328A; 5406; 5407; 5612A.

*Blepsias cirrhosus*

Cottidae

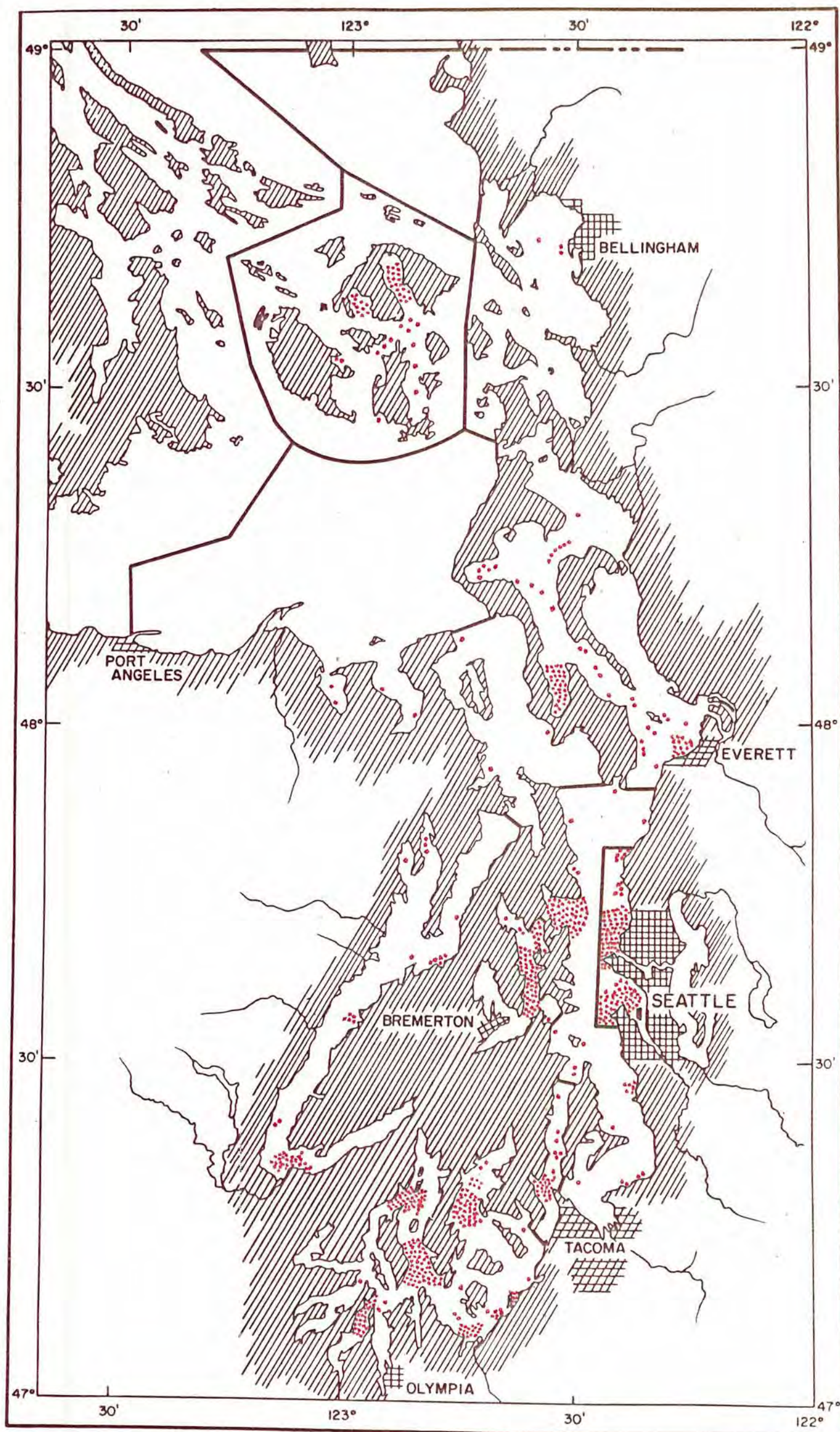
University of Washington Boat Log

- 1-S (off Golden Gardens to Meadow Point): 5203C.
- 2-S (beach seine: Carkeek Park): 5221B; 5231A.
- 2-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7118I; 7017I.

Miscellaneous Logs

- 2-PO (south of Fletcher Bay):  
U.W. Ocean., P.O., 1964-65.
- 11-S (Golden Gardens to Meadow Point):  
U.W. Ocean., Hoh, 1963-68.
- 1-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 1-S (Alki Point):  
S.L. Ralston, Diving Log, 1971.
- 1-CP (Salmon Beach):  
S.L. Ralston, Diving Log, 1971.
- 3-S (Golden Gardens):  
S.L. Ralston, Diving Log, 1971.
- 1-AI (South Whidbey State Park):  
S.L. Ralston, Diving Log, 1971.
- 1-S (Richmond Beach):  
S.L. Ralston, Diving Log, 1971.
- 3-S (beach seine: south of Meadow Point): Sea Grant, 72032.
- 4-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 1-PO (Clam Bay): NIH, 1968-71.
- 1-SJ (Argyle Bay): Bruce Miller, Diving Log, 7/20/69.
- 1-JF (beach seine: Port Angeles embayment):  
Peninsula College, 1971.
- 1-JF (Sequim Bay):  
Battelle, 1967-69.
- 5-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 1972.
- 1-CS (beach seine: Seahurst County Park): Sea Grant, 72016.
- 1-PO (beach seine: Dyes Inlet, Tracyton launch ramp):  
Sea Grant, 72018.
- 2-S (beach seine: south side of West Point): Sea Grant, 1973.
- 1-CS (beach seine: north of Meadowdale at Lunds Gulch):  
Sea Grant, 73002.
- 1-S (off southwest side of West Point): Sea Grant, 1973.
- 5-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 1-S (southwest of Alki Point):  
Sea Grant, 1973.
- 2-B (beach seine: Wildcat Cove):  
Sea Grant, 1973.







*Chitonotus pugetensis*

## Cottidae

Published Records

- 1-SS (Fort Steilacoom):  
Steindachner, 1877.  
1-AI (Port Townsend):  
Steindachner, 1877.  
1-AI (Port Ludlow): Starks, 1896b.  
1-S (Seattle):  
Evermann and Goldsborough, 1907.  
1-SJ: Starks, 1911.  
1-SJ (Friday Harbor):  
Wisner and Swanson, 1935.  
1-B (Bellingham Bay): Smith, 1936.  
2-E (Coupeville): Smith, 1936.  
1-JF (Sequim Bay):  
Smith, 1936 (also museum 3887).  
1-SJ (Upright Channel):  
Smith, 1937.  
1-HC (Hoodsport): Smith, 1937.  
1-HC (Quilcene Bay):  
Smith, 1937 (also museum 4445).  
2-E (Columbia Beach): Smith, 1937.  
3-E (Langley; Elger Bay; Camano):  
Smith, 1937.  
2-E (Gedney Island): Smith, 1937.  
2-CS (north of Point Pully;  
Meadowdale): Smith, 1937.  
6-SS (Carr Inlet; Anderson Island;  
Nisqually Flats; Dofflemeyer  
Point; Case Inlet; Hale Pass.):  
Smith, 1937.  
97-S (Duwamish Head): Salo, 1969.  
1-E (Port Gardner Bay): Salo, 1969.  
1-E (Skagit Bay): Salo, 1969.  
1-S (Seattle): Jamison, 1966.  
2-CS (Dumas Bay): Miller, 1971b.  
4-CS (Seahurst County Park):  
Miller, 1971b.  
2-HC (Anderson Cove): Chew, 1970.  
SJ: MacPhee and Clemens, 1962  
(duplicated by Friday Harbor Lab  
Log).
- University of Washington  
Museum Collection
- 3-S (Alki Point): 668; 790; 822.  
6-S (Golden Gardens): 775; 5044;  
5648; 6140; 14354; 16733.  
1-SJ (near Davis Bay): 1184.  
3-PS: 1467; 3117; 7317.  
3-SJ (West Sound):  
2196; 2226; 14256.  
1-PS (Hood Canal to Port Susan):  
2327.  
1-E (Saratoga Pass., Camano Head):  
2548.  
1-E (east of Gedney Island): 2563.  
1-E (off Snohomish River): 2619.  
1-E (Saratoga Pass., Sandy Point):  
2659.5.  
1-SJ (Blakely Island to Shaw  
Island): 2953.  
1-E (Clinton to Saratoga Pass.):  
3164.  
1-S (Elliott Bay): 3169.
- 1-SJ (Flat Point): 3557.  
1-HC (near Hoodsport): 3957.  
4-S (North Beach):  
4327; 4628; 4630; 4815.  
3-E (Saratoga Pass.):  
4328; 4329; 4300.  
1-S (beach seine: Alki Point):  
4487.  
2-S (off North Beach): 4704; 4736.  
1-E (Mukilteo): 5019.  
2-CS (Redondo Beach): 5309; 4792.  
1-CS (off Cultus Bay):  
5642 (also boat 5/7/49-3).  
1-SS (off Budd Inlet):  
5661 (also boat 7/20/49-4).  
1-SS (off McLane Cove):  
5665 (also boat 7/20/49-3).  
1-SS (northwest end of Nisqually  
Reach):  
5673 (also boat 7/20/49-5).  
1-PO (Agate Pass., buoy N4 to N6):  
6024 and 7295 (also boat 5106E).  
1-E (south end of West Pass.):  
6033.  
1-CS (mouth of Port Madison): 6080.  
1-CS (north of Maury Island): 6132.  
1-CS (Indianola): 6182.  
1-PO (Liberty Bay): 6192.  
1-CS (Port Madison):  
7309 (also boat 1/22/49-1).  
1-SS (Drayton Pass.):  
14257 (also boat 7/19/49-2).  
1-CP (lower end of Colvos Pass.):  
7313.  
1-SJ (West Sound): 14256.  
1-PO (Agate Pass.): 14336.  
4-S (off Golden Gardens):  
5838 (also boat 496C); 5736 (also  
boat 497E); 6068 (also boat  
5029C); 11182.  
2-S (Richmond Beach): 4722; 11574.  
1-SS (Carr Inlet): 5325.  
1-S (Edmonds): 5501.  
11-S (beach seine: Golden Gardens):  
6003 (also boat 5021A); 6011  
(also boat 5021F); 5802 (also  
boat 5036A); 6142; 11181 (also  
boat 5209B); 11196 (also boat  
5215B); 11197 (also boat 5215C);  
14300 (also boat 5108B); 14330  
(also boat 5209A); 15743; 16367  
(also boat 6113B).  
5-SJ (East Sound):  
16677 (also Friday Harbor Log,  
7/11/63); 17069 (also Friday  
Harbor Log, 6/20/63); 17129;  
18713 (also NIH, 1964-66); 18717  
(also NIH, 1964-66).  
1-PO (Agate Pass., buoy N4-N6):  
5962 (also boat 3/25/49-1).  
1-S (1 mile south of Alki Point):  
6051.  
2-S (off Carkeek Park):  
8027 (also boat 5212D); 8071  
(also boat 5212E).

*Chitonotus pugetensis*

## Cottidae

University of Washington  
Museum Collection

1-S (off Meadow Point): 11198.  
 1-SJ (Lopez Sound): 16686.  
 1-PO (off Fletcher Bay): 17111.  
 1-SJ: 17937.  
 1-SJ (mid East Sound): 18712 (also  
 Friday Harbor Log, 6/5/64).

Friday Harbor Laboratory Log

1-SJ (south of Orcas Island):  
 5/24/52.  
 1-SJ (Lopez Sound and West Sound):  
 6/27/60.  
 2-SJ (East Sound):  
 7/26/60; 8/13/50-1.  
 1-SJ (Upright Head to Olga):  
 8/1/60-2.  
 1-SJ (Upright Head to Obstruction  
 Pass): 8/22/55-4.  
 1-SJ (Upright Channel, Ogden Park):  
 8/22/55-8.  
 6-SJ (West Sound):  
 7/26/60-2; 8/13/60-2; 6/26/61;  
 7/27/63-B; 6/20/69-2; 7/6/71-2.  
 3-SJ (mid East Sound):  
 1/17/64; 2/21/64; 4/3/64.  
 1-SJ: 7/14/67.  
 1-SJ (Friday Harbor Lab, night  
 light): 1969.

University of Washington Boat Log

1-SJ ("West Blakey" shoal, east of  
 Humphrey Head): 5033N.  
 1-SJ (Lopez Sound, south of Spencer  
 Spit): 5033P.  
 11-SJ (training cruise area, north  
 of Rosario Point):  
 6603H; 6614H; 6620H; 6630H;  
 6815H; 6908H; 6914H; 7017H;  
 7110H; 7118H; 7307H.  
 2-B (training cruise area: southwest  
 of Post Point): 6620G; 7017G.  
 3-E (Holmes Harbor, Dines Point to  
 Classic): 5305C; 5312J,K.  
 1-E (Holmes Harbor, Rocky Point to  
 Dines Point): 5307B.  
 2-E (Holmes Harbor, south of  
 Classic): 5312L; 5316E.  
 1-E (beach seine: Good Beach, Penn  
 Cove): 5316H.  
 1-E (Elger Bay): 5418I.  
 1-E (Penn Cove): 5614J.  
 1-E (Saratoga Pass., Snatelum Point  
 to Onamac Point): 5712C.  
 1-E (training cruise area: east of  
 Gedney Island): 6603C.  
 3-HC (Dabob Bay, Broad Spit to Long  
 Spit): 6702D,E,F.  
 3-HC (Anderson Cove): 7009D,B,C.  
 9-CS (Port Madison):  
 1/22/49-1,2,3,4,5; 3/25/49-3;  
 5043A; 6203A; 6204B.  
 1-CS (off Port Madison): 5043B.  
 1-CS (off Agate Pass.): 5310.2F.

1-CS (off Fay Bainbridge State  
 Park): 5805A.  
 2-CS (east of Point Monroe):  
 5805C; 5813C.  
 1-CS (beach seine: Fay Bainbridge  
 State Park): 5806A.  
 1-CS (off West Point): 7017Y.  
 1-CS (Manchester): 6618.  
 24-CS (Murden Cove):  
 6610A,D,C; 6616; 6710A2,B2;  
 6713C,D,G,H; 6809A; 6812B,C,E;  
 6818A,B; 6821.5G; 6906B,C,D,E;  
 6912; 7008A; 7308A.  
 1-CS (training cruise area: mid-  
 channel, Skiff Point to West  
 Point): 6605B.  
 3-CS (trap: Port Madison):  
 6213-1,2,3.  
 1-CS (trap: Blake Island): 6214-4.  
 2-CS Vashon Island, off Sylvan  
 Beach): 6703A,B.  
 1-CS (Vashon Island, east of Neill  
 Point): 6703C.  
 1-PO (south part of Agate Pass.):  
 4910B.  
 1-PO (north of buoy N4): 5020B.  
 6-PO (off Manzanita to off Seabold):  
 5310.1C,D,.4B,.5B,.5E; 6215A.  
 6-PO (buoy N4 to N6): 5048A; 5131A;  
 5132C; 5310.3D,.5C,.5F.  
 28-PO (off Fletcher Bay to south of  
 Battle Point and Brownsville):  
 5223B; 5226B; 5232C; 5310.3B,.5G;  
 5317A,B; 5707A,B,G; 5709C; 5915B;  
 5923B; 5924B; 6001AN; 6016B1,A2,  
 B2,A4,A5,B5; 6205D1,D2,D3;  
 6403AF; 6427C; 6507K; 6707.  
 1-PO (off Battle Point and north):  
 5310.3A.  
 1-PO (in Manzanita Bay): 5310.3C.  
 2-PO (Point Bolin to Keyport):  
 5310.4D,E.  
 1-PO (off south of Fletcher Bay):  
 6016B4.  
 6-PO (beach seine: 1 mile north of  
 Illahee dock):  
 6205A1.1,.2,A2.1,.2,A3.1,.2.  
 1-PO (Brownsville to White Point):  
 6806A.  
 13-PO (most off Fletcher Bay):  
 6203B,C,D; 6204A,C; 6214; 6713A,  
 B,E,F; 6715; 6821.5F; 7313X.  
 3-PO (between "B-2" and "B-1"):  
 6205C1,C2,C3.  
 54-S (off Golden Gardens to Meadow  
 Point):  
 491A; 493B; 494B,C; 498A; 5009K;  
 5011D; 5014C; 5028A,C; 5029D;  
 5034D; 5110B,F; 5112C; 5119C,D,G,  
 H; 5127B; 5131C; 5132A,B; 5203C,  
 D; 5314C; 5329A,C; 5408A; 5416A;  
 5512F,G; 5702AN; 5704D,E; 5707J,  
 K; 5907D; 5920A,B,E,F; 5924C;  
 6018A; 6112B,C; 6206A,B; 6311A,D,  
 E; 6506A,C; 6510C.

*Chitonotus pugetensis*

## Cottidae

University of Washington Boat Log

- 1-S (south of West Point to off Four-Mile Rock): 5027D.
- 4-S (beach seine: Alki Point to Duwamish Head): 4-6619.
- 60-S (beach seine: Golden Gardens to Meadow Point):  
5007D; 5018A; 5024A,C; 5047A,B,C;  
5108C; 5110G,H; 5112F,G; 5114A,B;  
5116B,D1,E,G1; 5119F; 5127D;  
5129B; 5134A; 5137A,B; 5208B;  
5214A,B1,B2,C,D,E,F; 5215D,H,L;  
5406; 5407; 5415A,D; 5612A;  
5706A,C; 5913B; 5920N; 5925A;  
6019C; 6115A; 3-6310; 6509B;  
6508D; 6511D; 6518A,B; 6708A,B;  
6711A2; 6716A; 7209B.
- 7-S (off Meadow Point to Carkeek Park): 5039A; 5211B; 5212B;  
5216A,B; 5606A; 5713A.
- 1-S (beach seine: Carkeek Park): 5231A.
- 1-S (off Alki Point to Duwamish Head): 6615A.
- 1-CP (south of Sandford Point): 7/18/49-1.
- 1-CP (west side south of Command Point): 5133P.
- 3-CP (off Camp Sealth): 5009F; 5104CC,DD.
- 1-CP (off Paradise Cove to Point Sandford): 5126N.
- 1-SS (north end of Pickering Pass., to off McLane Cove): 5009H.
- 1-SS (northwest end of Nisqually Reach): 5009I.
- 6-SS (Carr Inlet, off Glen Cove to off Cutts and Raft Islands): 5037G; 5045H; 5104L,M,O; 5613G.
- 2-SS (Carr Inlet, off Minter Creek to Elgin): 5104D,I.
- 1-SS (southwest of Green Point): 5104T.
- 1-SS (Totten Inlet, off Windy Point to Steamboat Island): 5115D.
- 6-SS (trap: Eld Inlet, 1 mile northeast of Flapjack Point): 5115E; 6208A,E; 6217-2; 6219-1,2.
- 1-SS (Carr Inlet): 5522C.
- 1-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-2.
- 50+-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck):  
U.W. Ocean., Hoh, 1963-67.
- 3-SS (Nisqually Flats):  
U.W. Ocean., Hoh, 1963-67.
- 47+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.
- 2-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
- 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 50+-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 1-CS (Norma Beach):  
U.W. Ocean., Hoh, 1963-68.
- 1-E (Penn Cove):  
U.W. Ocean., Hoh, 1963-67.
- 2-E (Saratoga Pass., Demock Point):  
U.W. Ocean., Hoh, 1963-67.
- 4-E (off Demock Point to off Utsalady Point):  
U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Gardner Bay):  
U.W. Ocean., Hoh, 1963-67.
- 15-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.
- 2-CS (Apple Cove Point):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-CS (Pilot Point):  
U.W. Ocean., Hoh, S.J., 1966.
- 4-SJ (West Sound):  
U.W. Ocean., Hoh, S.J., 1966.
- 6-E (Holmes Harbor):  
U.W. Ocean., Hoh, S.J., 1966.
- 10-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 36-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 2-S (Duwamish Head to Alki Point): NIH, 1968-71.
- 1-PO (Clam Bay): NIH, 1968-71.
- 1-HC (Big Beef Harbor): NIH, 69042.
- 1-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
- 48-CS (Port Madison):  
Van Cleve, trap, 1961-65.
- 15-PO (off Fletcher Bay):  
Van Cleve, trap, 1961-65.
- 5-S (off Edmonds):  
Van Cleve, trap, 1961-65.
- 125+-SS (Eld Inlet entrance):  
Van Cleve, trap, 1961-65.
- 1-E (Holmes Harbor):  
Van Cleve, trap, 1961-65.
- 1-SS (north part of Pickering Pass.):  
Van Cleve, trap, 1961-65.
- 2-E (Saratoga Pass., west side, just south of Penn Cove):  
Van Cleve, trap, 1961-65.
- 2-JF (Discovery Bay, upper and lower parts): Sea Grant, 71111.

Miscellaneous Logs

- 50+-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.
- 10-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.
- 303-PO (south of Fletcher Bay):  
U.W. Ocean., P.O., 1964-65.
- 3-S (Richmond Beach):  
U.W. Ocean., Hoh, 1963-68.
- 47+-S (Golden Gardens to Meadow Point):  
U.W. Ocean., Hoh, 1963-68.

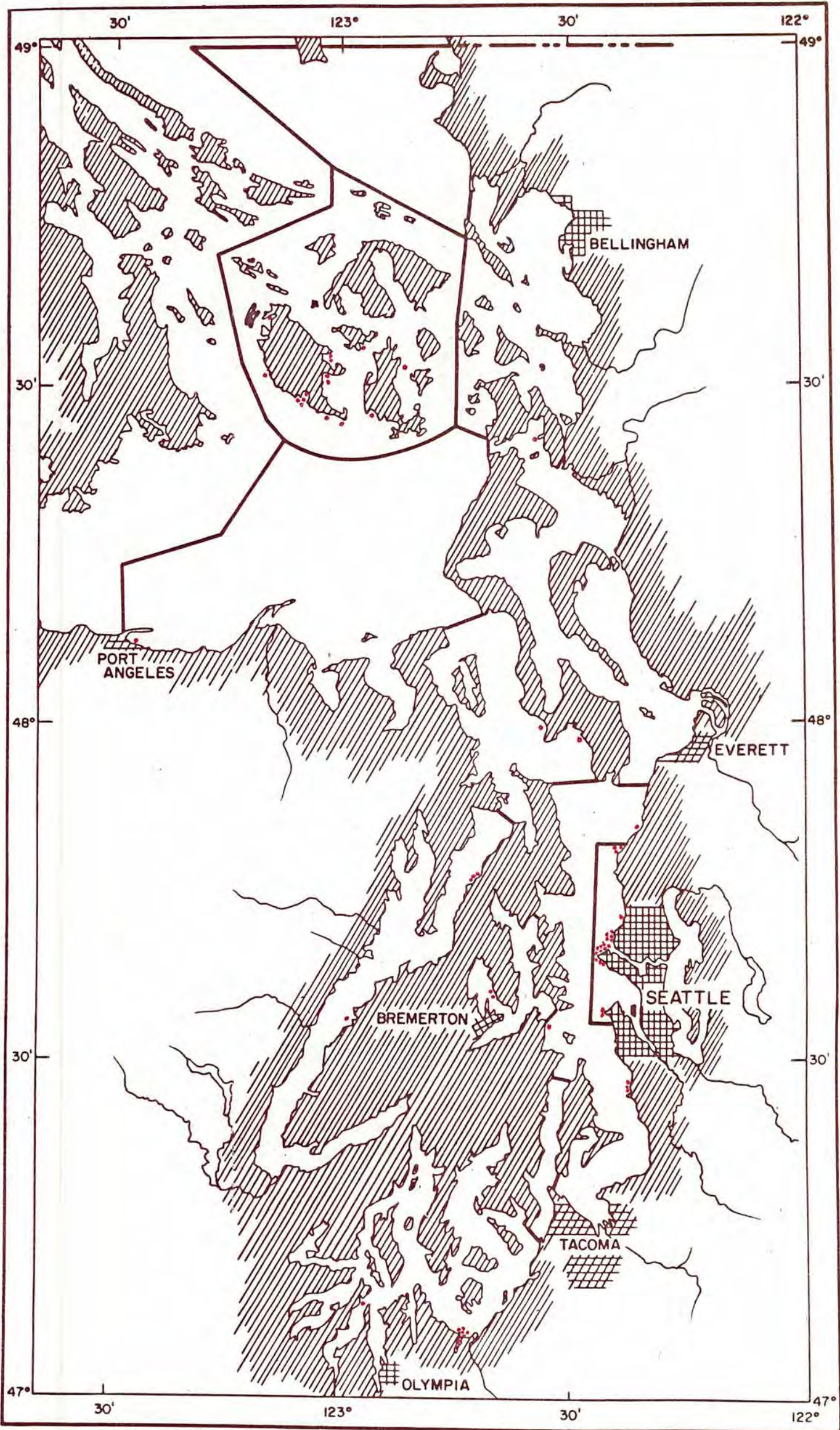
*Chitonotus pugetensis*

Cottidae

Miscellaneous Logs

- 1-S (south Carkeek Park):  
Sea Grant, 3/17/71.
- 1-JF (lower half of Sequim Bay):  
Sea Grant, 71110.
- 13-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 4-CP (off Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 1-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).
- 8-SS (off Nisqually River-McAllister Creek delta): Sea Grant, 1972.
- 4-CP (off Gig Harbor Spit):  
Sea Grant, 72025.
- 2-HC (off Big Beef Harbor):  
Sea Grant, 1972.
- 12-S (off northwest side of West Point): Sea Grant, 1973.
- 10-S (off southwest side of West Point): Sea Grant, 1973.
- 4-S (deep otter trawl, off West Point): Sea Grant, 1973.
- 8-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 16-S (southwest of Alki Point):  
Sea Grant, 1973.
- 3-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay):  
Sea Grant, 73008.
- 7-SS (off Nisqually River-McAllister Creek delta): Sea Grant, 1973.
- 2-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 18-SS (McLane Cove toward Stretch Island): Sea Grant, 1973-74.
- 11-SS (west side of Dougall Point):  
Sea Grant, 1973-74.
- 22-SS (mid-channel, McLane Cove to Stretch Island):  
Sea Grant, 1973-74.
- 15-HC (off Union):  
Sea Grant, 1973-74.
- 1-HC (mid-channel, off Union):  
Sea Grant, 1973.
- 18-HC (off Skokomish River delta):  
Sea Grant, 1973-74.
- 1-HC (Carlson Point to King Spit):  
Sea Grant, 73039.
- 1-AI (Mutiny Bay):  
Sea Grant, 73049.
- 6-SS (Tatsolo Point):  
Sea Grant, 73059.
- 8-SS (Comorant Pass.):  
Sea Grant, 73059 and 73060.
- 1-PO (Fletcher Bay): NIH, 1968-71.







*Clinocottus acuticeps*

## Cottidae

Published Records

- 1-CS (Meadowdale):  
 Schultz and DeLacy, 1935-36.  
 1-HC (Holly):  
 Schultz and DeLacy, 1935-36.  
 1-E (beach seine: Kiket Island):  
 Stober and Salo, 1970a.  
 1-CS (Seahurst County Park):  
 Miller, 1971a (also boat 7113 and  
 NIH 71101).

University of Washington  
Museum Collection

- 1-S (Pipers Canyon): 147.  
 1-SJ (Davis Bay): 614.  
 1-CS (reef north of Manchester  
 Rocks): 645.  
 1-SJ (False Bay reef): 1468.  
 1-SJ (Squaw Bay): 2082.  
 1-SJ: 3543.  
 2-S (beach seine: Edmonds):  
 4388; 16395.  
 1-AI (Useless Bay): 4428.  
 1-S (Edmonds Beach): 4558.  
 2-S (Alki Point): 4848; 6218.  
 1-S (west of Ballard Locks): 5014.  
 2-S (beach seine: Golden Gardens):  
 14443 (also boat 5129B); 15736.  
 1-SJ (Lopez Sound, south of Frost  
 Island): 15735.  
 1-S (Ballard Beach): 15737.  
 1-B (Chuckanut Bay): 18288.  
 1-SJ (Friday Harbor): 2186.

Friday Harbor Laboratory Log

- 1-SJ (outside False Bay):  
 8/17/55-1.  
 2-SJ (False Bay): 8/5/60; 6/29/61.  
 1-SJ (Argyle Bay): 8/11/60-3.  
 1-SJ (North Bay): 8/18/60-2.  
 1-SJ (Westcott Bay): 8/16/60-2.  
 1-SJ (Cattle Point): 8/6/61.  
 1-SJ (Deadman Bay): 6/22/63.  
 1-SJ (point east of Eagle Cove):  
 8/5/63.  
 1-SJ (Friday Harbor Lab):  
 7/17/69-2.

University of Washington Boat Log

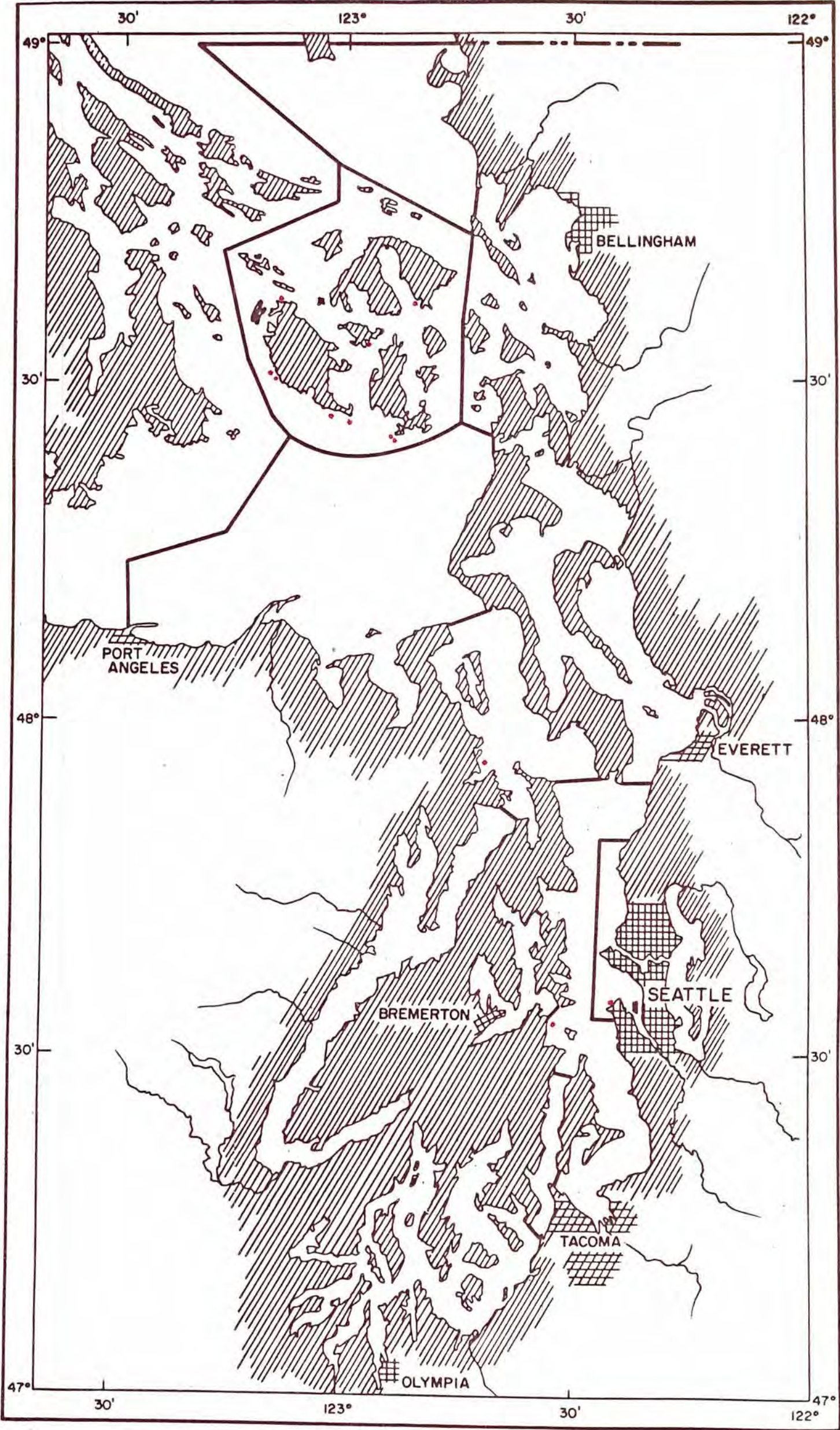
- 1-S (beach seine: Golden Gardens):  
 5127C.

Miscellaneous Logs

- 1-S (Golden Gardens to Meadow  
 Point):  
 U.W. Ocean., Hoh, 1963-68.  
 1-SS (Eld Inlet entrance):  
 Van Cleve, trap, 1961-65.  
 2-CS (beach seine: Seahurst County  
 Park): Sea Grant, 72016.

- 2-PO (beach seine: Dyes Inlet,  
 Tracyton launch ramp):  
 Sea Grant, 72018.  
 6-SS (beach seine: Nisqually Head):  
 Sea Grant, 1973.  
 1-AI (Mutiny Bay):  
 Sea Grant, 72033.  
 6-S (beach seine: north side of West  
 Point): Sea Grant, 1973.  
 3-S (beach seine: south side of West  
 Point): Sea Grant, 1973.  
 3-SS (McAllister Creek estuary):  
 Sea Grant, 1973.  
 3-HC (beach seine: just north of  
 Vinland): Sea Grant, 73038.  
 1-JF (beach seine, Port Angeles  
 embayment):  
 Peninsula College, 1971.







*Clinocottus embryum*

Cottidae

Published Records

1-AI (Port Ludlow): Starks, 1896b.  
1-SJ: Starks, 1911.  
1-PS: Kincaid, 1919.

University of Washington  
Museum Collection

1-CS (reef north of Manchester  
Rocks): 640.  
1-SJ (Cattle Point): 1013.  
1-SJ (Lime Kiln): 1027.  
1-SJ (near Olga): 1135.  
1-SJ (Squaw Bay): 2080.

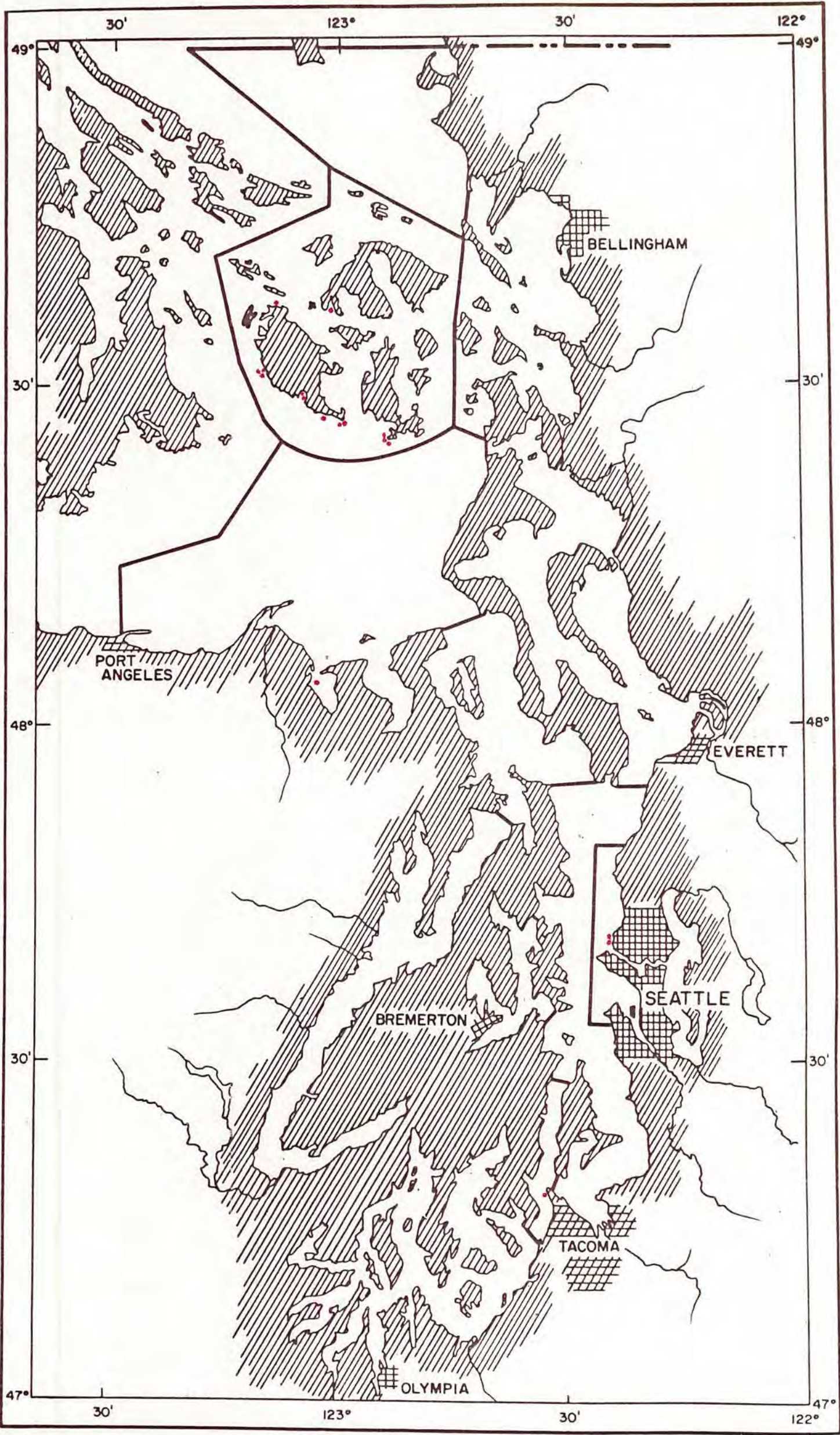
Friday Harbor Laboratory Log

3-SJ (Iceberg Point tidepool):  
8/4/55-2; 8/22/60-1; 6/29/73-1.  
1-SJ (Deadman Bay): 6/22/63.  
1-SJ (Iceberg Point): 7/19/63-2.  
1-SJ (point east of Eagle Cove):  
8/5/63.  
1-SJ (Hannah Heights): 8/3/63.

Miscellaneous Logs

1-S (northeast side of West Point,  
shallow rock and kelp area):  
J. Armstrong, personal  
communication, 1/17/76.







*Clinocottus globiceps*

Cottidae

Published Records

- 1-SJ: Starks, 1911.  
1-PS: Kincaid, 1919.

University of Washington  
Museum Collection

- 1-SJ (Lime Kiln): 1024.  
2-S (beach seine: Golden Gardens):  
15731; 15733.  
1-SJ (Deer Harbor): 2966.  
1-SJ: 17964.  
1-SJ (Deadman Bay): 17946 (also  
Friday Harbor Log, 8/2/63).  
1-SJ (Hannah Heights): 17936 (also  
Friday Harbor Log, 8/3/63).  
1-SJ (point east of Eagle Cove):  
17409 (also Friday Harbor Log,  
8/5/63).

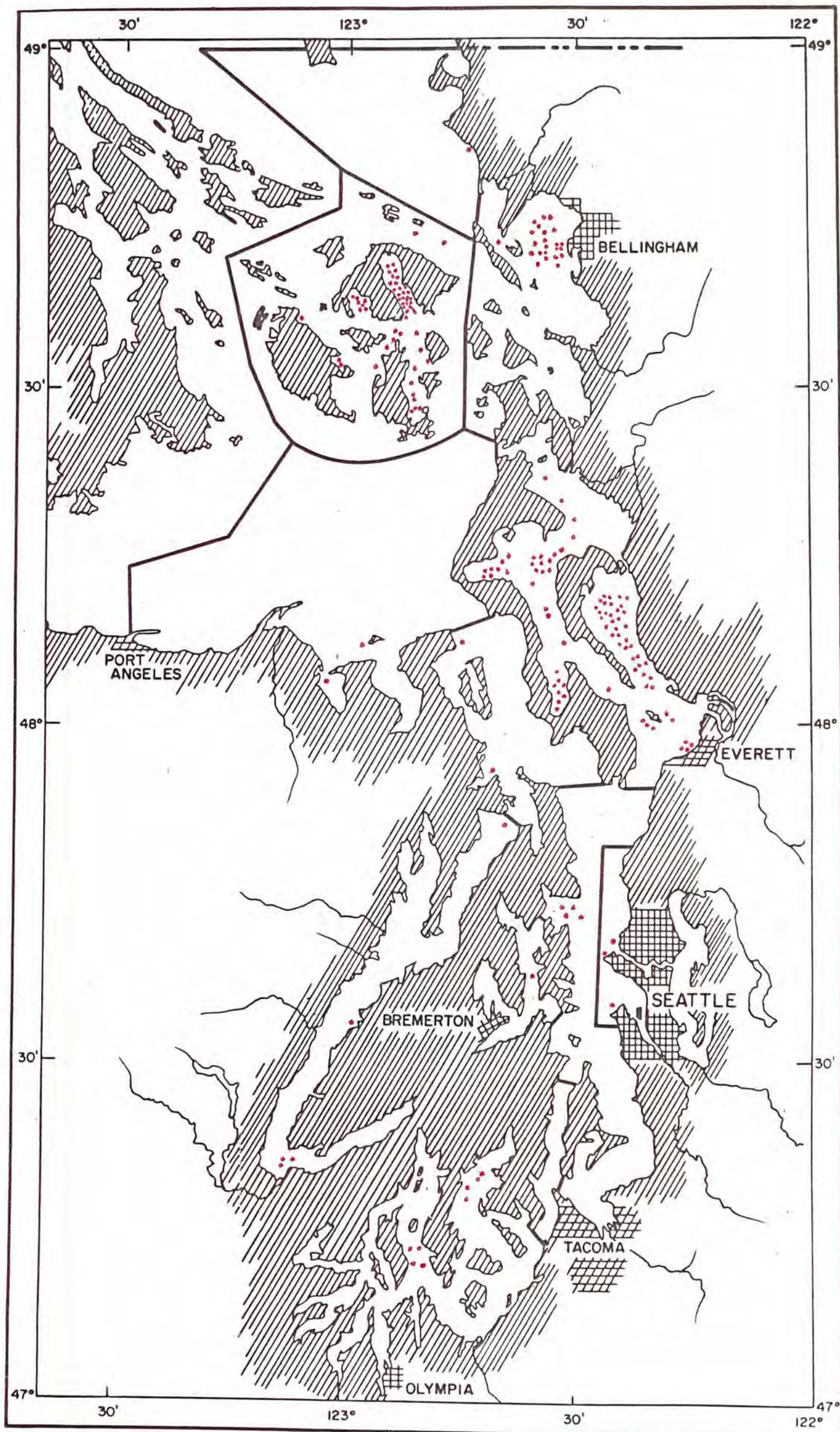
Friday Harbor Laboratory Log

- 1-SJ (Iceberg Point tidepool):  
8/22/60-1.  
2-SJ (Iceberg Point):  
6/28/61-2; 7/19/63-2.  
2-SJ (False Bay): 7/26/61; 6/29/61.  
1-SJ (Cattle Point): 8/6/61.  
1-SJ (Deadman Bay): 6/22/63.  
1-SJ (Eagle Point): 7/5/67.

Miscellaneous Logs

- 1-JF (Sequim Bay):  
Battelle, 1967-69.







*Dasycottus setiger*

## Cottidae

Published Records

1-PS: Jordan and Starks, 1896.  
 1-AI (north of Tala Point):  
     Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-SJ (Friday Harbor):  
     Wismer and Swanson, 1935.  
 7-B (Bellingham Bay): Smith, 1936.  
 4-E (Coupeville): Smith, 1936.  
 1-JF (Sequim Bay): Smith, 1936.  
 3-E (Gedney Island): Smith, 1937.  
 1-HC (Skokomish Flats):  
     Smith, 1937.  
 1-E (Dines Point): Smith, 1937.  
 4-E (Skagit Bay): Salo, 1969.

University of Washington  
Museum Collection

1-PS: 203.  
 1-SJ (west shore of Blakeley  
     Island): 2115.  
 2-SJ (West Sound): 2224; 14262.  
 3-SJ (East Sound):  
     2293; 17070 (also Friday Harbor  
     Log, 6/20/63); 17147.  
 2-SJ (East Sound, south of Rosario  
     Point): 18709; 18710 (both also  
     NIH, 1964-66).  
 1-E (east of Gedney Island): 2559.  
 2-E (off Tulalip):  
     2910; 5952 (also boat 7/1/49-1).  
 1-HC (Holly): 4245.  
 2-SJ: 4312; 10194.  
 1-B (Bellingham Bay): 4572.  
 1-SJ (Lopez Sound, west of Ram  
     Island): 5750 (also boat 491P).  
 1-SJ (north part of East Sound):  
     5760 (also boat 491M).  
 1-B (east of Point Frances):  
     5791 (also boat 491J).  
 1-E (off Warm Beach):  
     5887 (also boat 5023A).  
 1-SJ (Friday Harbor): 8145.  
 1-SJ (Rocky Bay): 2142.  
 1-SJ (mid East Sound): 18711 (also  
     Friday Harbor Log, 6/5/64).

Friday Harbor Laboratory Log

2-B (Bellingham Bay):  
     6/22/55; 7/26/51-2.  
 1-SJ (north of Hunter Bay):  
     6/19/50-5 (also boat 5033G).  
 1-SJ (northwest of Barnes Island):  
     6/20/50-3 (also boat 5033J).  
 1-SJ (south of Orcas Island):  
     6/24/52.  
 3-SJ (West Sound): 7/9/53-3 (also  
     boat 5220I); 6/26/61; 6/20/69-2.  
 1-SJ (Orcas Island to Matia Island):  
     7/14/52-3.  
 1-SJ (east of Willow Island):  
     7/28/52-1.  
 1-SJ (off Fisherman Bay toward Flat  
     Point): 8/4/52-5.

3-SJ (East Sound):  
     8/11/52; 7/26/60-1; 8/13/60-1.  
 1-SJ (lower East Sound):  
     8/22/55-6.  
 1-SJ (Upright Head): 8/3/60.  
 1-SJ (Upright Channel, Ogden Park):  
     8/22/55-8.  
 3-SJ (Lopez Sound):  
     6/16/61; 6/24/67; 7/8/69-2.  
 1-SJ (East Sound-Lopez Sound):  
     7/11/63.  
 5-SJ (mid East Sound):  
     1/17/64; 2/21/64; 4/3/64;  
     7/11/64; 6/20/69-1.  
 1-SJ (Upright Channel): 7/2/69-2.

University of Washington Boat Log

1-S (off Golden Gardens): 5131C.  
 1-AI (off Port Townsend): 5009B.  
 1-CS (off Port Madison): 5043C.  
 1-SS (Minter Creek to Raft Island,  
     Carr Inlet): 5135C.  
 1-SS (Carr Inlet, off Glen Cove to  
     Raft Island): 5613A.  
 1-SJ (Lopez Sound, west of Ram  
     Island): 5033R.  
 1-B (Hale Pass): 491I.  
 6-B (training cruise area:  
     southwest of Post Point): 6914G;  
     7017G,G.1; 7110G; 7307G; 7313G.  
 1-SJ (training cruise area: Lopez  
     Sound, southwest of Center  
     Island): 7017I.  
 1-E (Penn Cove mouth, off Long Point  
     to off Snatelum Point): 5213A.  
 2-E (off Oak Harbor to Blower  
     Bluff): 5220F,N.  
 3-E (Holmes Harbor):  
     5305I; 5325C; 5614D.  
 1-E (Holmes Harbor, south of  
     Classic): 5312E.  
 1-E (Holmes Harbor, Dines Point to  
     Classic): 5316A.  
 2-E (Saratoga Pass., Onamac Point to  
     Indian Beach): 5321K; 5405L.  
 1-E (Holmes Harbor, Rocky Point to  
     Dines Point): 5327C.  
 1-E (Saratoga Pass., Snatelum Point  
     to Onamac Point): 5418H.  
 1-E (Saratoga Pass., Cama Beach to  
     Lowell Point): 5712D.  
 5-E (training cruise area: off Penn  
     Cove): 6819E; 6826E; 6908E;  
     7118E; 7313E.  
 2-E (Port Susan, off north of Kayak  
     Point): 7204A,B.  
 2-E (Port Susan, off Kayak Point):  
     6702A,B.  
 1-E (training cruise area: Saratoga  
     Pass., north of Langley): 7017D.  
 1-E (near Penn Cove): 6822E.  
 1-E (training cruise area: east of  
     Gedney Island): 6908C.  
 1-HC (just south of floating  
     bridge): 7112D.

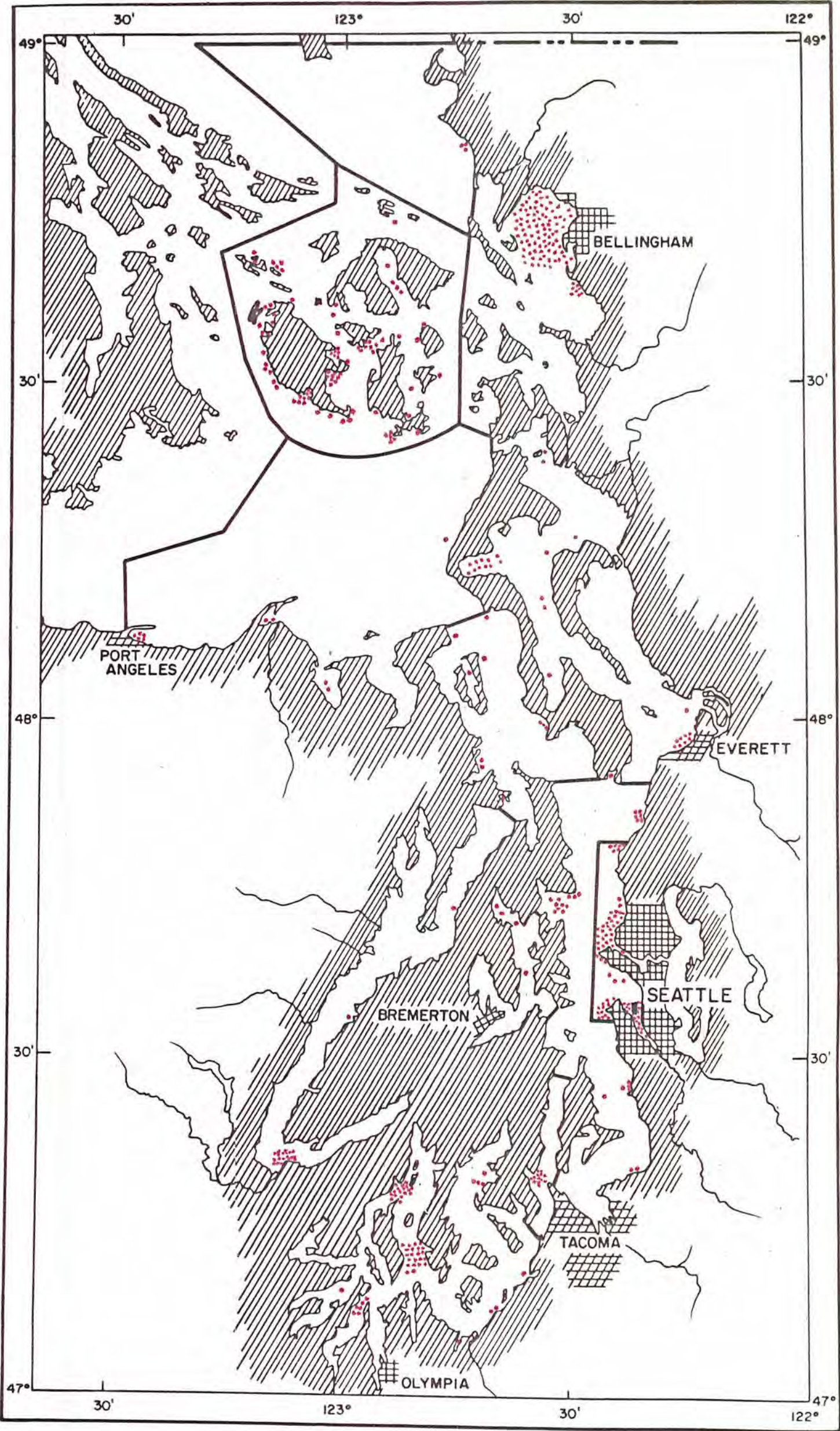
*Dasycottus setiger*

Cottidae

Miscellaneous Logs

- 1-SJ (East Sound): A.C. DeLacy,  
personal communication, 6/20/69.
- 1-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.
- 3-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.
- 4-SS (Case Inlet, off Taylor Bay to  
off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Carr Inlet, off Horsehead  
Bay): U.W. Ocean., Hoh, 1963-67.
- 3-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 27-E (Port Susan):  
U.W. Ocean., Hoh, 1963-67.
- 3-E (Saratoga Pass., Demock Point):  
U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Gardner Bay):  
U.W. Ocean., Hoh, 1963-67.
- 1-E (off Demock Point to Utsalady  
Point):  
U.W. Ocean., Hoh, 1963-67.
- 1-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.
- 1-B (Bellingham Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-SJ (West Sound):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-SJ (East Sound):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Penn Cove; Port Susan):  
U.W. Ocean., Hoh, S.J., 1966.
- 12-SJ (East Sound, south of Rosario  
Point): NIH, 1964-66.
- 1-SJ (East Sound): NIH, 1968-71.
- 3-B (off Nooksack River to Marine  
Drive): NIH, 1968-71.
- 1-JF (west of Protection Island):  
NMFS, Cobb, 2/28/73.
- 1-GS (south of Cherry Point):  
Sea Grant, 72019.
- 1-B (Bellingham Bay, mid-channel off  
Point Frances):  
Sea Grant, 72035.
- 1-S (off northwest side of West  
Point): Sea Grant, 1973.
- 1-PO (off south of Fletcher Bay):  
Sea Grant, 73008.
- 1-HC (mid-channel off Union):  
Sea Grant, 1973.
- 1-HC (mid-channel, off Skokomish  
River delta): Sea Grant, 1973.
- 1-SJ (East Sound): Bruce Miller,  
Diving Log, 8/29/65.
- 1-SS (Carr Inlet, off north of Home  
to between Glen Cove and Minter  
Creek): WSDf, Commercial Catch  
Comp., 2/13/74.







*Enophrys bison*

## Cottidae

Published Records

- 1-SS (Fort Steilacoom):  
Girard, 1859.
- 1-PS: Suckley, 1860.
- 1-JF (beach seine: Port Angeles):  
Gilbert, 1895.
- 1-PS: Jordan and Starks, 1896.
- 1-AI (Port Ludlow): Starks, 1896b.
- 1-S (Seattle):  
Jordan and Gilbert, 1882.
- 5-AI (Port Townsend; Marrowstone  
Island; Admiralty Head; Kilisut  
Harbor; Port Ludlow):  
Evermann and Goldsborough, 1907.
- 1-SJ (Sucia Island):  
Evermann and Goldsborough, 1907.
- 1-SJ: Starks, 1911.
- 1-SJ: Shelford et al., 1935.
- 1-HC (Holly):  
Schultz and DeLacy, 1935-36.
- 1-E (Lone Tree Point): Horn, 1932.
- 1-JF (Sequim Bay): Smith, 1936.
- 10-S (Duwamish River estuary):  
Salo, 1969.
- 1-S (Seattle): Jamison, 1966.
- 1-JF (near Whidbey Island):  
Acena y Puntanella, 1942.
- 1-CS (east of Vashon Island):  
Acena y Puntanella, 1942.
- 1-SJ (Flat Point): Kohlruss, 1933.
- 81-B (beach seine: Bellingham Bay,  
north of Eliza Island):  
Tyler, 1964.
- 8-B (towntet: Bellingham Bay, north  
of Eliza Island): Tyler, 1964.
- 3-CS (beach seine: south side of  
Point Jefferson): Kendall, 1966.
- 3-CS (Seahurst County Park):  
Miller, 1971a (also boat 7113 and  
NIH 71101).
- University of Washington  
Museum Collection
- 1-S (below Government Locks): 92.
- 1-S (Pipers Canyon): 148.
- 1-SJ (Davis Bay): 608.
- 12-S (Alki Point): 663; 758; 794;  
827; 873; 3782; 4482; 4835; 4850;  
4887; 4900; 6198.
- 1-SJ (Upright Head and Shoal Bay):  
671.
- 1-SJ (Flat Point): 717.
- 1-SJ (East Sound): 747.
- 3-S (Golden Gardens):  
772; 11610; 16321.
- 1-S (Seattle): 844.
- 1-SJ (Cattle Point): 1009.
- 1-SJ (Friday Harbor): 1037.
- 1-SJ (2 miles south of Lime Kiln):  
1056.
- 2-SJ (Kanaka Bay): 1075; 1142.
- 1-AI (Bywater Bay): 4456.
- 1-PS: 6151.
- 1-S (Carkeek Park Beach): 5972.
- 2-PO (Agate Pass., buoy N4-N6):  
6026 and 8133 (also boat 5106E);  
5965 (also boat 3/25/49-1).
- 1-CS (Indianola): 6179.
- 1-CS (beach seine: Cultus Bay):  
10213.
- 1-E (Skagit Flats, near Hope  
Island): 16864.
- 1-B (Chuckanut Bay): 18281.
- 1-SJ (Deer Harbor): 1218.
- 2-SJ (False Bay): 1263; 8146.
- 1-SJ (San Juan Island): 1327.
- 1-SJ (False Bay reef): 1482.
- 2-SJ (Squaw Bay): 2079; 2172.
- 1-SJ (west shore of Blakeley  
Island): 2116.
- 1-SJ (Peavine Pass.): 1103.
- 1-SJ (Brown Island): 2129.
- 1-B (south end of Chuckanut Island):  
3834.
- 1-S (Ballard): 4257.
- 4-S (Edmonds):  
4264; 4501; 4929; 5494.
- 1-S (Edmonds Beach): 4471.
- 2-S (North Beach): 4686; 4810.
- 1-CS (beach seine: Redondo Beach):  
4729.
- 1-S (south of Ballard Locks): 4816.
- 1-E (Snohomish River mouth): 5095.
- 1-S (Redondo Beach): 5124.
- 2-S (Carkeek Park): 5530; 5568.
- 1-SJ (reef north of Lime Kiln  
light): 10761.
- 1-S (off Carkeek Park): 14325.
- 2-S (beach seine: Golden Gardens):  
11191 (also boat 492E); 15738.
- 2-SJ (north side Johns Island,  
second bay): 14301; 14310 (also  
Friday Harbor Log, 8/19/52-1,2).
- 1-SJ (Upright Channel): 17206 (also  
Friday Harbor Log, 7/5/63).
- 1-SJ (point east of Eagle Cove):  
17416.
- 1-SJ (Limestone Point): 17441 (also  
Friday Harbor Log, 6/23/63).
- 1-SJ (Deadman Bay): 17942.
- 1-SJ: 17960.
- 1-SJ (Iceberg Point): 18009 (also  
Friday Harbor Log, 7/18/63-2).
- Friday Harbor Laboratory Log
- 1-SJ (Reef Bay, northeast side Johns  
Island): 7/5/51-1.
- 1-SJ (Garrison Bay): 7/19/51-3.
- 3-SJ (Squaw Bay):  
8/1/55; 8/1/60-1; 7/10/61-1.
- 1-SJ (Upright Channel, Ogden Park):  
8/1/55.
- 2-SJ (Iceberg Point tidepool):  
8/4/55-2 (also boat 5520D);  
8/22/60-1.
- 1-SJ (south of Satellite Island):  
8/15/55-1.
- 1-SJ (Mud Bay): 8/15/55-3.

*Enophrys bison*

## Cottidae

Friday Harbor Laboratory Log

- 3-SJ (Friday Harbor Lab):  
8/18/55; 7/19/60; 8/4/60-1.  
1-SJ (Johns Island): 7/10/50-2.  
1-SJ (Satellite Island): 7/10/50-6.  
1-SJ (Eagle Point): 7/13/50-3.  
1-SJ (west of Goose Island):  
7/13/50-4.  
1-SJ (James Island): 7/24/50-5.  
2-SJ (San Juan Island, opposite  
Henry Island): 7/31/50-1,3.  
1-SJ (south of Neck Point):  
8/14/50-1.  
8-SJ (Argyle Bay):  
7/5/60; 8/11/60-3,4; 6/22/61;  
7/12/61-1,4; 7/18/61-2; 7/15/63.  
3-SJ (False Bay):  
8/5/60; 6/29/61; 6/21/63.  
1-SJ (Friday Harbor): 8/6/60-1.  
2-SJ (Mitchell Bay):  
8/16/60-1; 7/17/61-2.  
1-SJ (Westcott Bay): 8/16/60-3.  
2-SJ (North Bay): 8/18/60-1,2.  
1-SJ (Kanaka Bay): 8/21/60.  
1-SJ (McArdle Bay): 8/22/60-3.  
1-SJ (Smallpox Bay): 7/13/61.  
1-SJ (Mosquito Pass.): 7/17/61-1.  
1-SJ (Turn Island): 7/30/61.  
1-SJ (San Juan Island): 5/62.  
1-SJ (Deadman Bay): 6/22/63.  
2-SJ (Iceberg Point):  
7/19/63-2; 7/7/67.  
1-SJ (mid East Sound): 4/3/64.  
1-SJ (Cattle Point): 6/23/67-1.  
1-SJ (Squaw Bay or West Sound):  
6/30/67.  
1-SJ (Lopez Sound): 7/21/71-2.

University of Washington Boat Log

- 3-S (off Golden Gardens to Meadow  
Point): 5009K; 5014C; 5329D.  
23-S (beach seine: Golden Gardens to  
Meadow Point): 5015A; 5114D;  
5116A,F,G1; 5208B; 5209B,C;  
5214C; 5215U; 5308A; 5328A;  
5508C; 5913B; 6014A; 6019A,B,C;  
6210C; 6211; 2-6309; 6311B.  
9-S (beach seine: Carkeek Park):  
5219A,B; 5221C; 5225A; 5231A;  
5311A; 5313A,B,C.  
1-S (beach seine: north side of West  
Point): 7311C.  
1-S (west of Duwamish Head): 6615A.  
1-B (training cruise area, southwest  
of Post Point): 6620G.  
1-E (beach seine: Good Beach, Penn  
Cove): 5316H.  
1-E (Holmes Harbor): 5405B.  
1-E (Saratoga Pass., Onamac Point to  
Indian Beach): 5405L.  
1-PO (off Keyport): 5310.4E.  
1-PO (off Seabold): 5310.5B.  
5-PO (Agate Pass., buoy N4-N6):  
5310.5F; 2/22/49-3,4; 5048A;  
5131A.

- 1-PO (Agate Pass., south part):  
4910B.  
2-PO (Liberty Bay): 2/5/49-4,5.  
1-SS (east of Cutts Island): 5037D.  
1-SS (beach seine: west side of  
Cutts Island): 5037E.  
1-SS (off Cutts Island): 5104J.  
1-SS (off Raft Island): 5104M.  
1-SS (Totten Inlet): 5115D.  
1-SS (trap area: Eld Inlet):  
6219.1.

Miscellaneous Logs

- 1-B (Bellingham Bay):  
FRI, Tyler, data sheets, 1965.  
1-S (beach seine: Duwamish River  
estuary): Metro, 1963-70.  
12-S (Duwamish River estuary):  
Metro, 1966-70.  
1-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.  
9-S (Duwamish River estuary):  
U.W. Ocean., 1964-67.  
7-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.  
1-PO (south of Fletcher Bay):  
U.W. Ocean., P.O., 1964-65.  
47-S (Golden Gardens to Meadow  
Point):  
U.W. Ocean., Hoh, 1963-68.  
21-SS (Case Inlet, off Taylor Bay to  
off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.  
4-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.  
7-E (Penn Cove):  
U.W. Ocean., Hoh, 1963-67.  
1-E (Saratoga Pass., Demock Point):  
U.W. Ocean., Hoh, 1963-67.  
3-E (Penn Cove; Utsalady; Port  
Gardner Bay):  
U.W. Ocean., Hoh, S.J., 1966.  
2-SJ (East Sound, south of Rosario  
Point): NIH, 1964-66.  
1-B (Bellingham Bay, Nooksack River  
delta to Marine Drive):  
NIH, 1968-71.  
6-S (Golden Gardens to Carkeek  
Park): NIH, 1968-71.  
1-CS (Port Madison):  
Van Cleve, trap, 1961-65.  
5-SS (Eld Inlet entrance):  
Van Cleve, trap, 1961-65.  
2-JF (beach seine: Dungeness embay-  
ment): Peninsula College, 1971.  
4-JF (beach seine: Port Angeles  
embayment):  
Peninsula College, 1971.  
1-JF (Sequim Bay):  
Battelle, 1967-69.  
1-S (Golden Gardens):  
S.L. Ralston, Diving Log, 1971.  
10-CP (beach seine: Gig Harbor  
Spit): Sea Grant, 72003 (also  
boat 7208).

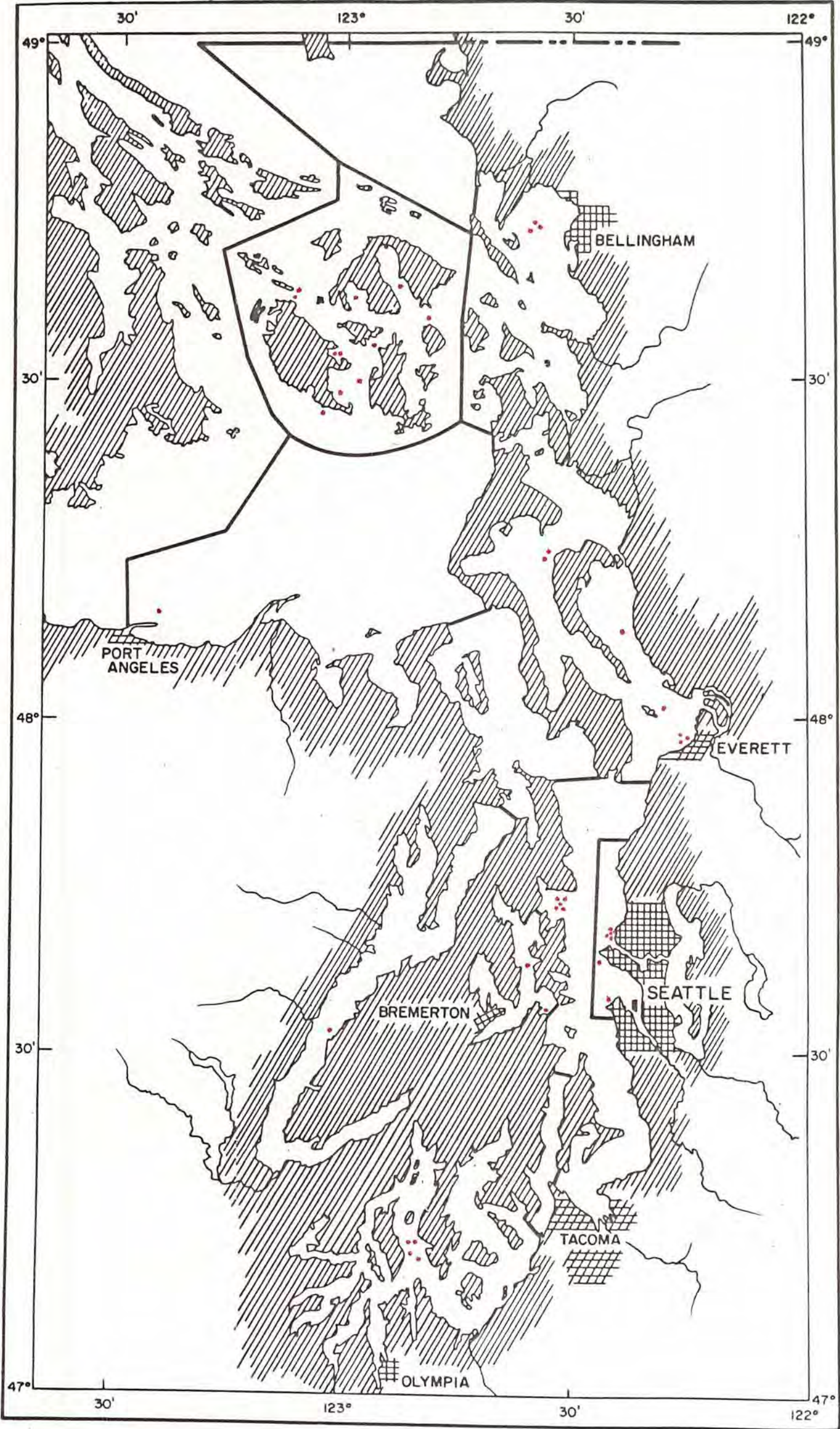
*Enophrys bison*

Cottidae

Miscellaneous Logs

- 3-CP (off Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 2-GS (beach seine: south of Cherry Point): Sea Grant, 72008.
- 3-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 1972.
- 1-CS (beach seine: Seahurst County Park): Sea Grant, 72016.
- 1-GS (south of Cherry Point): Sea Grant, 72019.
- 1-CP (off Gig Harbor Spit): Sea Grant, 72025.
- 12-S (beach seine: Golden Gardens): Sea Grant, 1972.
- 2-B (beach seine: Wildcat Cove): Sea Grant, 72029.
- 8-S (beach seine: north side of West Point): Sea Grant, 1973.
- 2-S (beach seine: south side of West Point): Sea Grant, 1973.
- 6-CS (beach seine: north of Meadowdale at Lunds Gulch): Sea Grant, 73002.
- 3-S (off northwest side of West Point): Sea Grant, 1973.
- 1-S (southwest of Alki Point): Sea Grant, 1973.
- 2-S (Duwamish River estuary, downstream from 1st Ave. South bridge): Sea Grant, 1973.
- 1-SS (McAllister Creek estuary): Sea Grant, 1973.
- 1-B (off Nooksack River delta): Sea Grant, 73032.
- 7-B (beach seine: Wildcat Cove): Sea Grant, 1973.
- 8-SS (McLane Cove toward Stretch Island): Sea Grant, 1973-74.
- 8-SS (west side of Dougall Point): Sea Grant, 1973-74.
- 2-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973.
- 10-HC (off Union): Sea Grant, 1973-74.
- 7-HC (off Skokomish River delta): Sea Grant, 1973-74.
- 1-HC (Bangor Annex): Kramer, Chin, and Mayo, NCEL Survey, 1973.
- 1-E (Onamac Point): Doug Olander, Sport Catch Log, 1972-73.
- 2-SS (Tatsolo Point): Sea Grant, 73059.
- 1-S (Edmonds ferry dock): A.C. DeLacy, personal communication, 1958.
- 1-SJ (McDonald (McConnell?) Island): Bruce Miller, Diving Log, 8/15/65.







*Gilbertidia sigalutes*

Cottidae

Published Records

1-PO (Orchard Point):  
 Jordan and Starks, 1896.  
 1-SJ: Starks, 1911.  
 1-HC: Hubbs, 1928.  
 1-SJ: Shelford et al., 1935.  
 1-E (off Everett):  
 Schultz and DeLacy, 1935-36.

4-SS (Case Inlet, off Taylor Bay to  
 off Whiteman Cove):  
 U.W. Ocean., Hoh, 1963-67.  
 4-CS (Port Madison):  
 U.W. Ocean., Hoh, 1963-68.  
 2-E (Saratoga Pass., Demock Point;  
 Port Gardner Bay):  
 U.W. Ocean., Hoh, 1963-67.

University of Washington  
Museum Collection

1-SJ (San Juan Island): 1180.  
 1-SJ: 1215.  
 2-SJ (San Juan Channel):  
 1235; 1324.  
 1-SJ (Peavine Pass): 1335.  
 1-SJ (Flat Point): 1760.  
 1-SJ (Griffin Bay): 1761.  
 1-PS (Hood Canal to Port Susan):  
 2328.  
 2-SJ (Friday Harbor): 4856; 4963.  
 1-SJ (West Sound): 11599.  
 1-S (off Golden Gardens):  
 5995 (also boat 494F).  
 1-PS: 11600.  
 1-S (beach seine: Golden Gardens):  
 16524.  
 1-CS (trap: Port Madison): 18295.  
 1-SJ (East Sound): 17123.  
 1-SJ (east of Spaiden Island):  
 11188 (also Friday Harbor Log,  
 7/10/52-1 and boat 5220J).  
 1-JF (off Port Angeles): 19162.  
 1-HC (Chinom Point): 19170.

Friday Harbor Laboratory Log

1-SJ (Limestone Point): 6/23/63.  
 1-SJ (Eagle Point): 7/5/67.

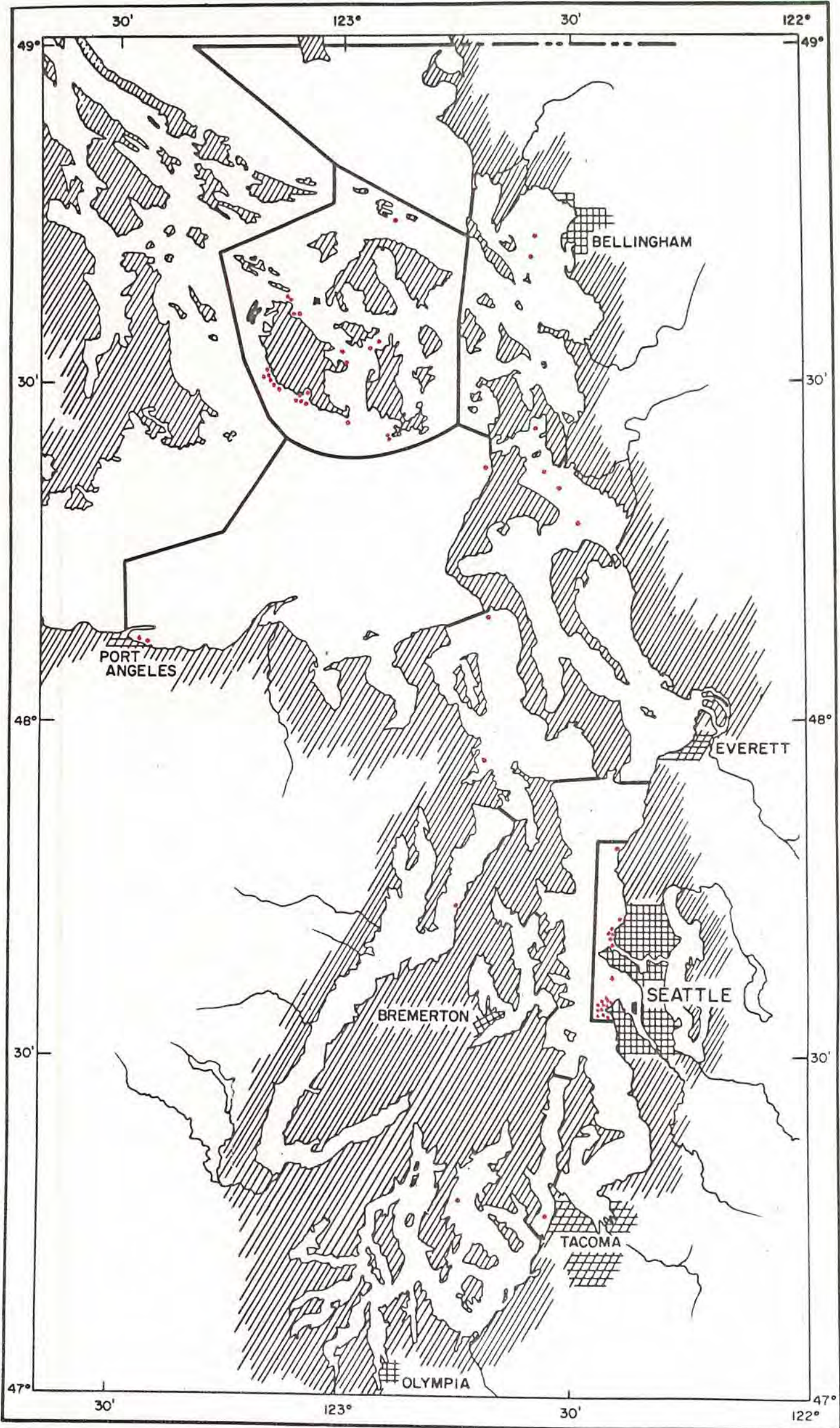
University of Washington Boat Log

1-S (off Golden Gardens): 5129A.  
 1-S (training cruise area: south of  
 West Point): 6614A.  
 1-E (training cruise area: east of  
 Gedney Island): 6614C.

Miscellaneous Logs

3-B (Bellingham Bay):  
 FRI, Tyler data sheets, 1965.  
 1-S (Duwamish Head to Alki Point):  
 U.W. Ocean., 1964-67.  
 2-E (Port Gardner Bay):  
 U.W. Ocean., P.G., 1962-67.  
 1-E (Port Susan):  
 U.W. Ocean., P.G., 1962-67.  
 2-S (Golden Gardens to Meadow  
 Point):  
 U.W. Ocean., Hoh, 1963-68.  
 1-PO (south and north of Fletcher  
 Bay): U.W. Ocean., Hoh, 1963-67.







*Hemilepidotus hemilepidotus*

Cottidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.  
 1-PS: Jordan and Starks, 1896.  
 1-JF (Port Angeles): Meek, 1899.  
 1-SJ (Sucia Island):  
   Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-SJ (San Juan Channel, off Friday Harbor):  
   Wisner and Swanson, 1935.  
 1-B (Bellingham Bay): Smith, 1936.  
 1-SS (Carr Inlet): Smith, 1937.  
 1-S (Seattle): Jamison, 1966.  
 1-B (Bellingham Bay, north of Eliza Island): Tyler, 1964.

University of Washington  
Museum Collection

- 10-S (Alki Point):  
   664; 760; 797; 824; 927; 4242;  
   4483; 4851; 4881; 6061.  
 1-S (Golden Gardens): 778.  
 1-S (Seattle): 847.  
 1-SJ (Cattle Point): 1008.  
 1-SJ (Lime Kiln): 1029.  
 1-SJ (2 miles south of Lime Kiln):  
   1055.  
 3-SJ (Kanaka Bay):  
   1074; 1139; 1247.  
 1-SJ (False Bay reef): 1472.  
 1-S (beach seine: Alki Point):  
   4513.  
 1-SJ (San Juan Island): 11741.  
 1-S (Shilshole Bay): 15447.  
 1-SJ (Upright Channel): 17218 (also  
   Friday Harbor Log, 7/5/63).  
 1-SJ (False Bay): 1267.  
 1-S (beach seine: spit near Ballard Locks): 4585.

Friday Harbor Laboratory Log

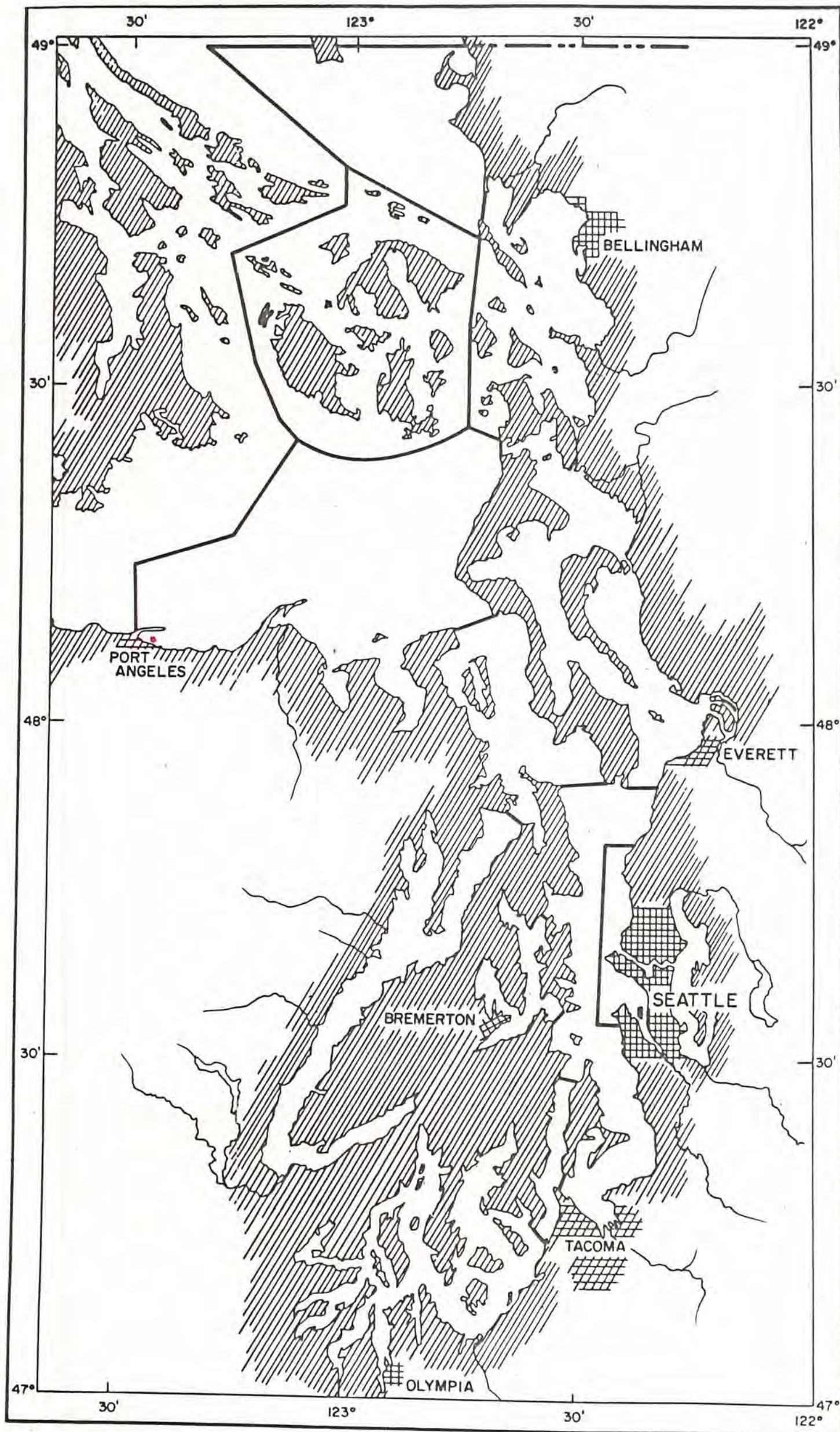
- 1-SJ (Upright Channel): 7/19/50-7.  
 1-SJ (Iceberg Point): 6/28/61-2.  
 1-SJ (Iceberg Point tidepool):  
   8/4/55-2.  
 1-SJ (Deadman Bay): 6/22/63.  
 1-SJ (Limestone Point): 6/23/63.

University of Washington Boat Log

- 1-CP (north of Tacoma Narrows Bridge): 5115G.  
 1-S (beach seine: Golden Gardens to Meadow Point): 5134A.

Miscellaneous Logs

- 1-JF (off West Beach):  
   WSDF, Sport Fish., 1965-70.  
 4-E (Skagit Bay and Similk Bay):  
   WSDF, Sport Fish., 1965-70.  
 2-SS: WSDF, Sport Fish., 1965-70.  
 1-AI (Keystone ferry area):  
   Al Milbun, Diving, 4/9/61.





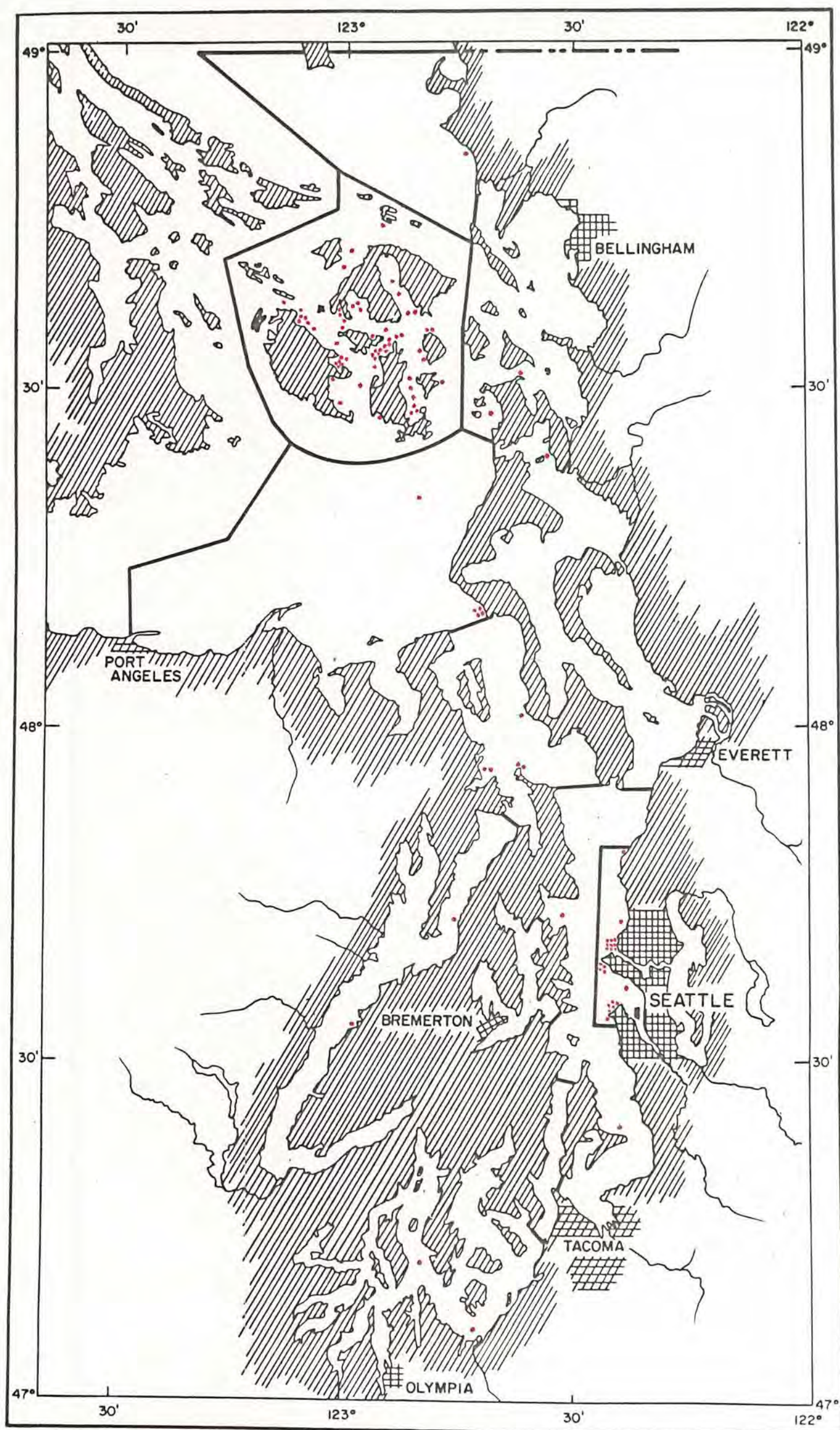
*Hemilepidotus spinosus*

Cottidae

Miscellaneous Logs

1-JF (beach seine: Port Angeles  
embayment):  
Peninsula College, 1971.







*Icelinus borealis*

## Cottidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.  
 1-SJ (San Juan Channel, off Friday Harbor):  
   Wismer and Swanson, 1935.  
 1-SJ: Gilbert and Thompson, 1905.  
 4-JF (off Admiralty Head light):  
   Evermann and Goldsborough, 1907.  
 2-AI (south of Bush Point; north of Tala Point):  
   Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-SJ: Miles, 1918.  
 1-S (Seattle):  
   Evermann and Goldsborough, 1907.  
 1-E (Lone Tree Point): Horn, 1932.  
 1-HC (Holly):  
   Schultz and DeLacy, 1935-36.  
 1-SJ: Shelford et al., 1935.

University of Washington  
Museum Collection

- 1-SJ (Davis Bay): 636.  
 6-SJ (Flat Point):  
   705; 720; 1745; 2088; 2216; 2272.  
 2-SJ (Deer Harbor): 812; 1217.  
 4-SJ (Friday Harbor):  
   997; 2110; 2201; 4958.  
 2-SJ (Peavine Pass): 1092; 1331.  
 1-B (near Anacortes): 1169.  
 1-SJ (San Juan Island): 1181.  
 2-SJ: 1196; 17953.  
 2-SJ (San Juan Channel):  
   1236; 1326.  
 1-SJ (Olga): 1282.  
 1-SJ (East Sound entrance): 1291.  
 1-SJ (off northeast side of San Juan Island): 1297.  
 1-PS: 1437.  
 1-B (Burrows Bay): 4178.  
 1-S (Edmonds Beach): 4556.  
 1-S (off Golden Gardens): 6078.  
 2-AI (off Foulweather Bluff):  
   4822; 4846.  
 1-S (south of Richmond Beach):  
   5348.  
 1-CS (north side of Maury Island):  
   6131.  
 1-JF (1 mile north of Smith Island):  
   14244.  
 1-SJ (near Orcas Island): 1318.  
 2-SJ (Upright Channel): 1438; 4540.  
 1-SJ (Wasp Pass.): 1747.  
 1-SJ (Griffin Bay): 1748.  
 1-SJ (Sucia Island): 1749.  
 2-SJ (O'Neal Island): 1750; 11725.  
 1-SJ (west shore Blakely Island):  
   2114.  
 1-SJ (Rocky Bay): 2143.  
 2-SJ (West Sound): 2195; 2225.  
 1-SJ (Rocky Point, San Juan Island):  
   2208.  
 1-SJ (Blind Bay): 2243.  
 1-SJ (Harney Charnel): 2253.

- 1-SJ (East Sound): 4331.  
 1-SJ (Argyle Lagoon): 6223.  
 1-SJ (Upright Head): 16389 (also  
   Friday Harbor Log, 5/2/52).

Friday Harbor Laboratory Log

- 1-SJ (east of Willow Island):  
   7/28/52-1.  
 1-SJ (Upright Head): 8/3/60.  
 1-SJ (off Fisherman Bay toward Flat Point): 8/4/52-5.  
 4-SJ (Lopez Sound): 7/28/55-1;  
   8/22/60-4; 7/28/61; 6/24/67.  
 1-SJ (Upright Channel, Ogden Park):  
   8/22/55-8.  
 1-SJ (Mineral Point): 8/25/55-3.  
 2-SJ (north of Hunter Cove):  
   6/19/50-3,5 (also boat 5033E,G).  
 1-SJ (Friday Harbor Lab): 7/50.  
 1-SJ (Pole Pass.): 7/30/60.  
 1-SJ (Presidents Channel): 8/20/60.  
 1-SJ (Decatur Head): 7/7/61.  
 1-SJ (East Sound): 7/18/61-1.  
 1-SJ (San Juan Island): 5/62.  
 1-SJ: 7/14/67.  
 1-SJ (Upright Channel): 7/2/69-2.  
 1-SJ (Spieden Channel): 7/15/69-2.

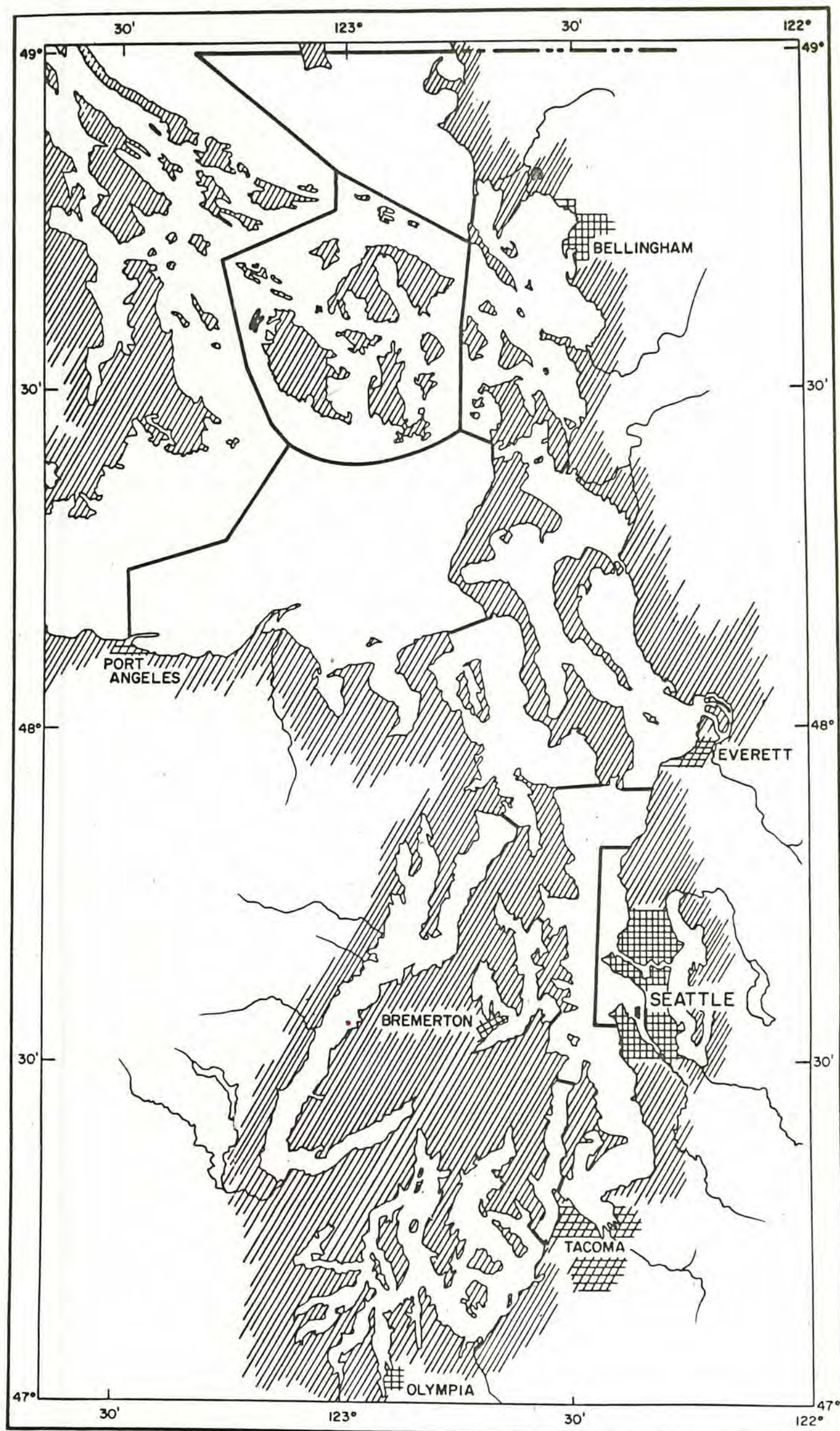
University of Washington Boat Log

- 1-S (off Carkeek Park): 5039E.  
 1-S (beach seine: Golden Gardens):  
   5328A.  
 1-SJ (Lopez Sound, west of Ram Island): 5033R.  
 1-SJ (east of Waldron Island):  
   5220L.

Miscellaneous Logs

- 5-S (Duwamish Head to Alki Point):  
   U.W. Ocean., 1964-67.  
 7-S (Golden Gardens to Meadow Point):  
   U.W. Ocean., Hoh, 1963-68.  
 2-SS (Nisqually Flats; Case Inlet, off Taylor Bay to off Whiteman Cove):  
   U.W. Ocean., Hoh, 1963-67.  
 1-CS (Port Madison):  
   U.W. Ocean., Hoh, 1963-68.  
 1-SJ (West Sound):  
   U.W. Ocean., Hoh, S.J., 1966.  
 1-GS (south of Cherry Point):  
   Sea Grant, 72019.  
 4-S (off southwest side of West Point): Sea Grant, 1974.  
 1-S (southwest of Alki Point):  
   Sea Grant, 1973.  
 1-HC (off Carlson Point to King Spit): Sea Grant, 73039.





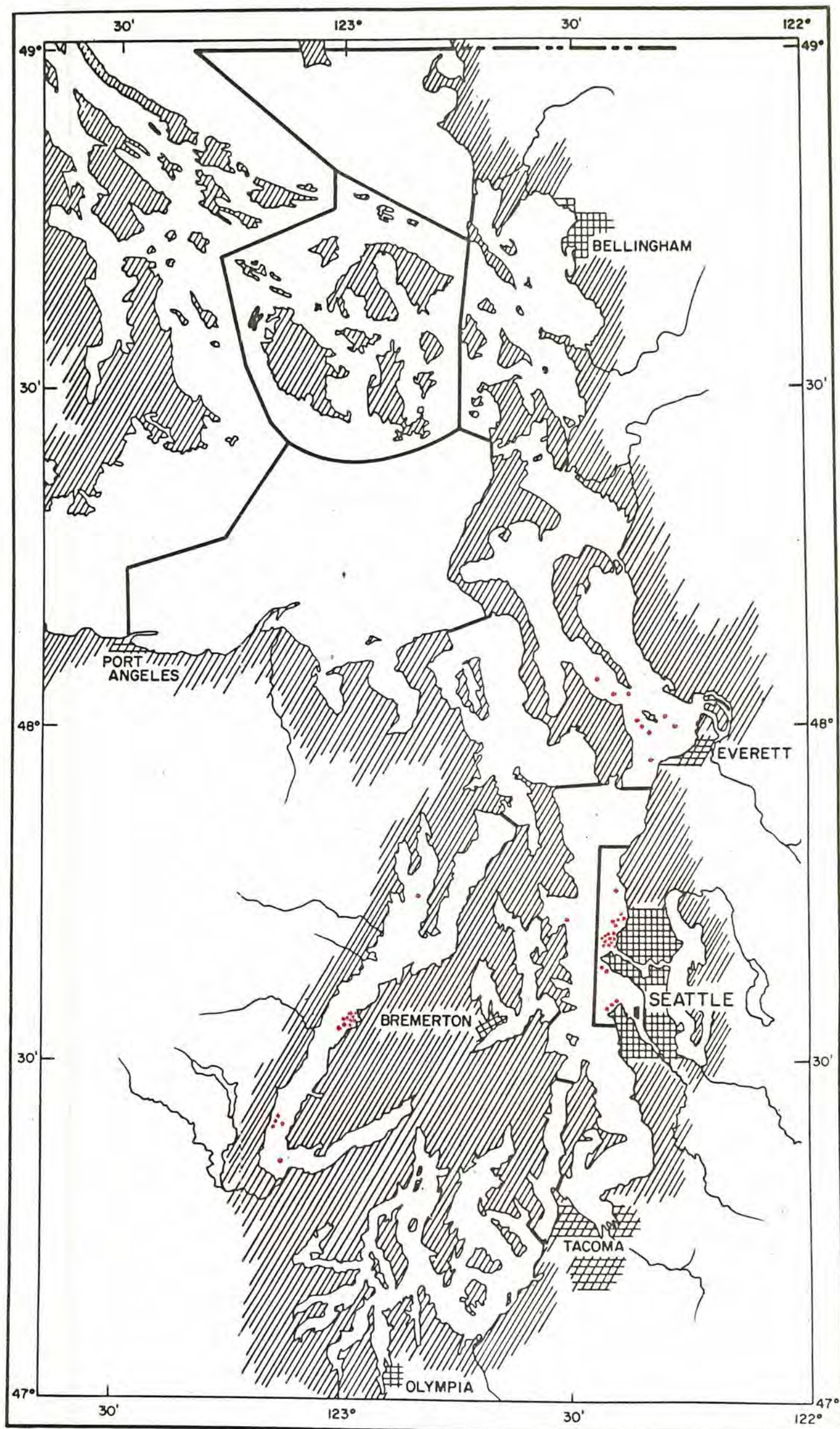


*Icelinus burchami*

Cottidae

Published Records

1-HC (Holly): Hubbs, 1928.





*Icelinus filamentosus*

Cottidae

Published Records

- 1-HC: Gilbert and Thompson, 1905.  
 1-PS: Kincaid, 1919.  
 HC (Holly): Schultz and DeLacy,  
     1935-36 (probably duplicates  
     museum log record).  
 1-E (Langley): Smith, 1937.  
 3-E (Gedney Island): Smith, 1937.  
 3-HC (Hoodsport):  
     Smith, 1937 (also museum 5115).  
 2-HC (Holly): Smith, 1937.  
 1-HC (Skokomish Flats):  
     Smith, 1937.  
 2-HC (Anderson Cove): Chew, 1970.

University of Washington  
Museum Collection

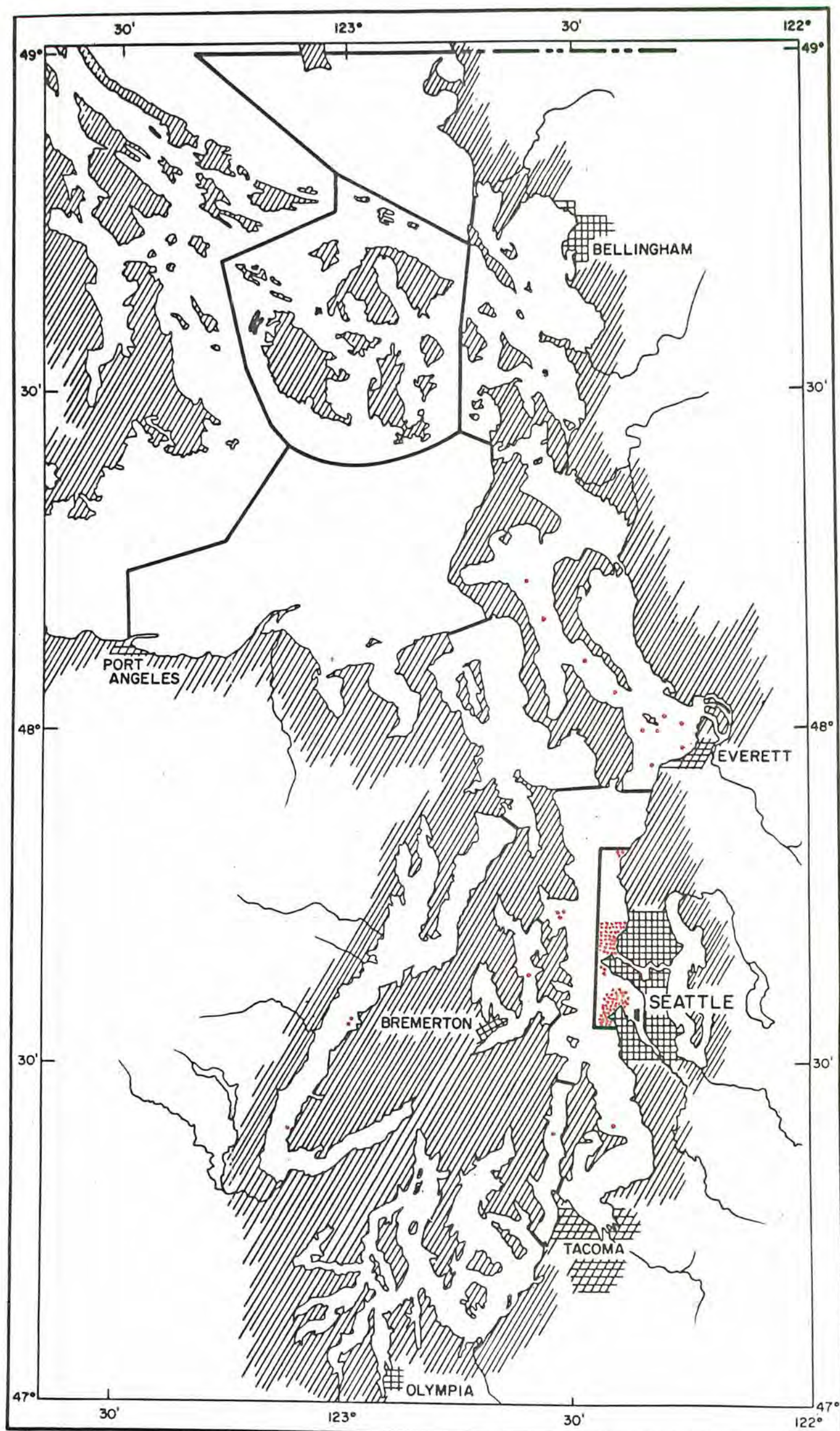
- 1-E (Camano Head, Saratoga Pass.):  
     2547.  
 1-E (east of Gedney Island): 2561.  
 1-E (off Snohomish River): 2617.  
 1-HC (Holly): 4249.  
 1-E (Mukilteo): 4282.  
 1-E (Saratoga Pass.): 4297.  
 1-HC (Hoodsport): 4316.  
 1-S (south of Richmond Beach):  
     4863.  
 1-HC (opposite Hoodsport):  
     5781 (also boat 499F).  
 1-S (off Golden Gardens):  
     5854 (also boat 493B).  
 1-S (off Meadow Point):  
     5961 (also boat 496B).  
 2-S (off Carkeek Park):  
     5981 (also boat 5020A); 8028  
     (also boat 5212C).

University of Washington Boat Log

- 8-S (off Golden Gardens to Meadow  
     Point):  
     4910A; 5009L; 5033A; 5034D;  
     5039D; 5127A; 5129D; 6114A.  
 1-S (Alki Point to Duwamish Head):  
     5027A.  
 2-S (south of West Point to off  
     Four-Mile Rock): 5027D; 5602C.  
 3-S (off Meadow Point to Carkeek  
     Park): 5041B; 5203A; 5216B.  
 1-CS (off Point Monroe): 5813C.  
 1-HC (Dabob Bay): 6202A.  
 4-HC (Anderson Cove): 7009A,B,C,D.

Miscellaneous Logs

- 2-S (Duwamish Head to Alki Point):  
     U.W. Ocean., 1964-67.  
 1-S (Golden Gardens to Meadow  
     Point):  
     U.W. Ocean., Hoh, 1963-68.





*Icelinus tenuis*

Cottidae

Published Records

1-HC (Holly): Hubbs, 1928.

University of Washington  
Museum Collection

- 1-PS (Hood Canal to Port Susan):  
2330.  
1-E (east of Gedney Island): 2560.  
1-E (off Snohomish River): 2617.  
1-E (Clinton to Saratoga Pass.):  
3165.  
3-E (Saratoga Pass.):  
4176; 4326; 14296.  
1-E (Mukilteo): 5012.  
3-S (Edmonds Beach):  
5451; 5464; 5482.  
1-S (Carkeek Park): 5569.  
1-S (off Carkeek Park):  
5980 (also boat 5020A).  
1-E (near Gedney Island): 11176.  
2-S (off Golden Gardens):  
11871 (also boat 5707J); 6023  
(also boat 5039D).

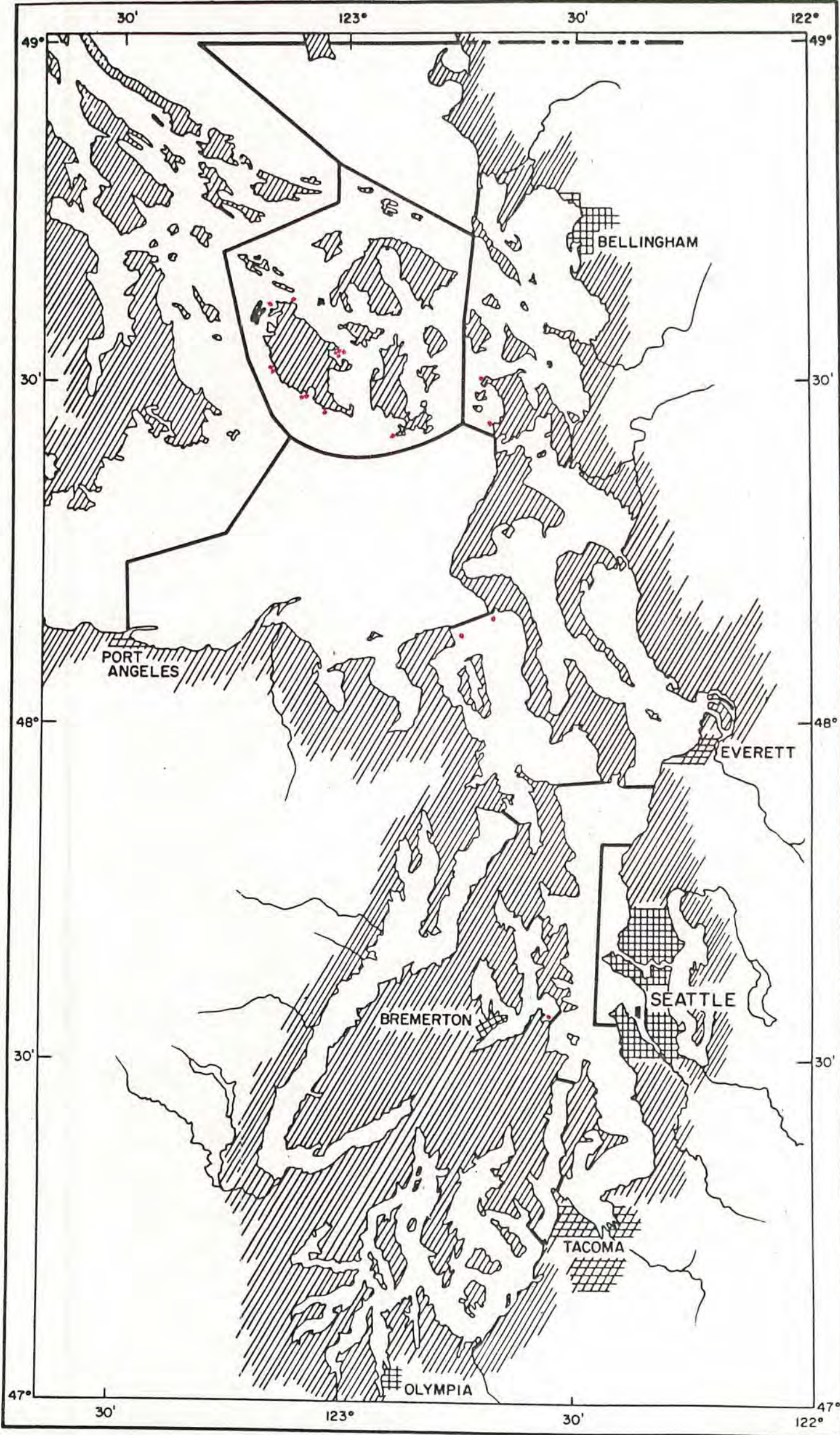
University of Washington Boat Log

- 1-HC (opposite Hoodsport): 499F.  
6-S (off Golden Gardens to Meadow  
Point): 5033A; 5034D; 5039D;  
5119C,G; 5203D.  
1-CS (Tramp Harbor): 5104A.  
1-CP (off Paradise Cove to Point  
Sandford): 5126N.  
1-E (Saratoga Pass., south of  
Snatelum Point): 5712C.  
1-S (south of West Point to off  
Four-Mile Rock): 5027D.  
2-S (off Meadow Point to Carkeek  
Park): 5211B; 5216A.  
1-HC (Anderson Cove): 7009B.

Miscellaneous Logs

- 41-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.  
13-S (Meadow Point):  
U.W. Ocean., 1964-67.  
1-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.  
23-S (Golden Gardens to Meadow  
Point):  
U.W. Ocean., Hoh, 1963-68.  
1-PO (south and north of Fletcher  
Bay): U.W. Ocean., Hoh, 1963-67.  
3-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.  
1-S (Golden Gardens to Carkeek  
Park): NIH, 1968-71.  
2-S (off southwest side of West  
Point): Sea Grant, 1973.  
8-S (southwest of Alki Point):  
Sea Grant, 1973.  
2-S (deep otter trawl: off southwest  
of Alki Point): Sea Grant, 1973.







*Jordania zonope*

Cottidae

Published Records

- SJ: Schultz, 1930 (duplicated by  
museum records).  
1-PO (Orchard Point): Jordan and  
Starks, 1896; Starks, 1896a.  
1-SJ: Starks, 1911.

University of Washington  
Museum Collection

- 1-SJ (Friday Harbor): 268.  
1-SJ (Lime Kiln): 1035.  
2-SJ (Kanaka Bay): 1076; 1250.  
1-SJ (off Brown Island): 1214.  
1-SJ (Roche Harbor): 4949.  
1-SJ (Orcas Island): 16786.  
1-SJ (Limestone Point): 18012 (also  
Friday Harbor Log, 6/23/63).

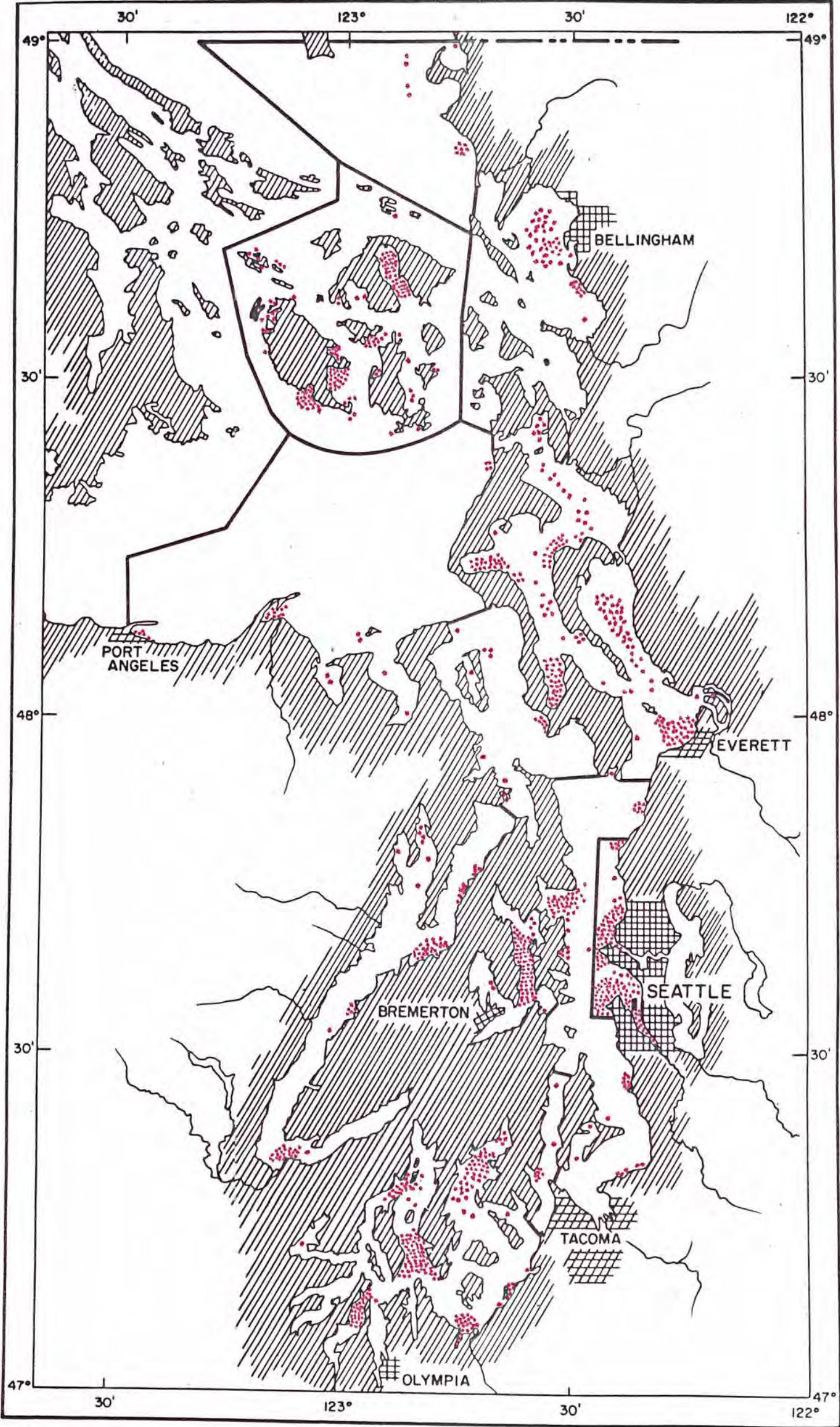
Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor): 8/17/60.  
2-SJ (Friday Harbor Lab night  
light): 6/15/53; 6/16/53.  
1-SJ (Deadman Bay): 6/22/63.  
1-SJ (Eagle Point): 7/5/67.  
1-SJ (Iceberg Point): 6/30/69-5.

Miscellaneous Logs

- 1-B (Langley Point): David  
Somerton, Diving Log, 1973-74.  
2-AI (Port Townsend; Keystone  
jetty): David Somerton, Diving  
Log, 1973-74.  
1-B (Anacortes Park): David  
Somerton, Diving Log, 1973-74.







*Leptocottus armatus*

## Cottidae

Published Records

- 1-SS (Fort Steilacoom):  
Girard, 1859; Suckley, 1860.  
1-JF (beach seine: Port Angeles):  
Gilbert, 1895.  
1-AI (Port Ludlow): Starks, 1896b.  
2-AI (Kilisut Harbor; Marrowstone Point):  
Evermann and Goldsborough, 1907.  
1-SJ (Sucia Island):  
Evermann and Goldsborough, 1907.  
1-S (Seattle):  
Evermann and Goldsborough, 1907.  
1-SJ: Starks, 1911.  
1-SJ: Hubbs, 1921.  
1-AI (Port Townsend): Hubbs, 1921.  
1-S (Seattle): Hubbs, 1921.  
1-SJ (near Friday Harbor):  
Powers, 1921.  
1-HC (Holly):  
Schultz and DeLacy, 1935-36.  
SJ (Orcas Island):  
Chapman and DeLacy, 1933  
(duplicated by museum record).  
8-B (Bellingham Bay): Smith, 1936.  
6-E (Coupeville): Smith, 1936.  
1-E (Oak Harbor): Smith, 1936.  
1-JF (Sequim Bay): Smith, 1936.  
1-JF (Discovery Bay):  
Smith, 1936 (also museum 4991).  
1-HC (Bangor): Smith, 1936.  
1-SS (Hale Pass.): Smith, 1936.  
1-SS (Dofflemeyer Point):  
Smith, 1937.  
3-E (Camano; Camano Head; Columbia Beach): Smith, 1937.  
4-E (Similk Bay):  
Stober and Salo, 1970a.  
4-E (Skagit Bay):  
Stober and Salo, 1970a.  
21-S (Duwamish River estuary):  
Salo, 1969.  
10-S (Duwamish Head): Salo, 1969.  
18-E (Port Gardner): Salo, 1969.  
11-E (Skagit Bay): Salo, 1969.  
2-SJ (east side of North Bay;  
southwest side of False Bay):  
Weiss, 1969.  
1-S (Seattle): Jamison, 1966.  
1-SJ (Friday Harbor): Lloyd, 1936.  
1-S (Seattle): Lloyd, 1936.  
2-SJ (Deer Harbor; False Bay):  
Kohlruss, 1933.  
1+-B (Bellingham Bay, north of Eliza Island): Tyler, 1964.  
4-CS (beach seine: south side of Point Jefferson): Kendall, 1966.  
3-CS (Dumas Bay): Miller, 1971b.  
2-CS (Seahurst County Park):  
Miller, 1971a (also boat 7113; NIH, 71101).  
4-HC (Anderson Cove): Chew, 1970.  
6-HC (fyke net: Big Beef Harbor):  
Anderson and Chew, 1972.  
1-E (beach seine: Kiket Island):  
Stober and Salo, 1970a.

University of Washington  
Museum Collection

- 1-SJ (Deer Harbor): 29.  
6-S (ship canal, Government Locks and below):  
91; 94; 4398; 10189; 5015; 5020.  
1-S (Pipers Canyon): 149.  
1-S (West Seattle): 179.  
4-S (Seattle):  
412; 714; 840; 16375.  
1-SJ (Argyle Bay): 555.  
5-SJ (Squaw Bay):  
563; 655; 688; 2174; 2299.  
4-SJ (False Bay):  
580; 578; 1089; 1128.  
4-SJ (East Sound):  
633; 699; 738; 17130.  
12-S (Alki Point): 754; 783; 820;  
867; 929; 1922; 6215; 4832; 4852;  
4883; 14349; 16514.  
1-SJ (Upright Head and Shoal Bay):  
678.  
1-E (Saratoga Pass., Sandy Point):  
2659 1/2.  
1-B (Bellingham Bay): 4345.  
8-S (Golden Gardens):  
780; 5867; 5650; 6141; 8861;  
14287; 14444; 18000.  
2-AI (Bywater Bay): 4429; 4451.  
1-E (Steamboat Slough): 4962.  
1-E (Saratoga Pass., Watsak Point):  
5269.  
2-CS (Redondo Beach): 5312; 4757.  
1-CS (Port Madison): 5379.  
1-SS (beach seine: mainland opposite Stretch Island):  
5668 (also boat 7/20/49-2).  
1-CS (Norma Beach):  
5868 (also boat 6/23/50).  
1-PO (Agate Pass., buoy N4-N6):  
6027 and 8193 (also boat 5106E).  
1-CS (mouth of Port Madison): 6081.  
1-SS (Stretch Island): 6094.  
1-CS (north side of Maury Island):  
6133.  
1-SJ: 728.  
1-SS (beach seine: 1 mile north of Minter Creek):  
10204 (also boat 5126E).  
2-JF (Dungeness River mouth and slough): 16696; 16698.  
1-JF (tidepools near Dungeness River mouth): 16700.  
1-CS (beach seine: Cultus Bay):  
10211 and 16378 (also boat 5217).  
1-GS (Blaine, Semiahmoo Bay): 814.  
1-SJ (Cattle Point): 1006.  
2-SJ (Brown Island): 1116; 2132.  
2-S (hand seine: Edmonds):  
4384; 4409.  
1-S (beach seine: Alki Point):  
4489.  
3-S (North Beach):  
4493; 4817; 4837 and 4842.  
4-S (Edmonds Beach):  
4554; 5449; 5479; 5510.

*Leptocottus armatus*

## Cottidae

University of Washington  
Museum Collection

3-S (Edmonds): 4915; 4923; 4926.  
 1-E (Snohomish River mouth): 5092.  
 2-S (off Golden Gardens to Meadow Point):  
   5837 (also boat 496C); 14331.  
 10-S (beach seine: Golden Gardens):  
   5769 (also boat 5001); 5946 (also  
   boat 5032.1A); 5958 (also boat  
   5032.1C); 5916 (also boat  
   5032.1E); 5797 (also boat 5036A);  
   10197 (also boat 5215A); 14854  
   (also boat 5804B); 15732; 2-16382  
   (also boat 5209C,D).  
 1-S (Richmond Beach): 5582.  
 1-S (Carkeek Park Beach): 5976.  
 1-SJ (Fisherman Bay): 8144.  
 1-SJ (Prevost Harbor): 10452 (also  
   Friday Harbor Log, 8/19/52).  
 1-SJ (south of Frost Island):  
   5988 (also Friday Harbor Log,  
   6/19/50-2 and boat 5033D).  
 1-SJ (False Bay entrance):  
   10461 (also Friday Harbor Log,  
   8/4/52-1).  
 1-SJ (Orcas Island): 11185.  
 1-SJ (Westcott Bay, near White  
   Point): 1432C.  
 1-S (off Carkeek Park): 14326.  
 1-SJ (Friday Harbor): 14388.  
 1-S (Ballard Beach): 14391.  
 1-HC (beach seine: Quilcene Bay):  
   14736.  
 3-S (Shilshole Bay):  
   15424; 15448; 15453.  
 1-SS (off north of Minter Creek):  
   16383 (also boat 5102C).  
 1-SJ (Upright Channel): 17214 (also  
   Friday Harbor Log, 7/5/63).  
 1-SJ (Limestone Point): 17426.  
 1-B (Chuckanut Bay): 18122.  
 1-SJ (mid East Sound): 18714 (also  
   Friday Harbor Log, 6/5/64).  
 1-SJ (north side Johns Island,  
   second bay): 16380 (also Friday  
   Harbor Log, 8/19/52-1).

Friday Harbor Laboratory Log

1-SJ (Jackle's Lagoon, Cattle  
 Point): 6/29/51.  
 1-SJ (Garrison Bay): 7/19/51-3.  
 2-SJ (west of Fish Creek):  
   7/21/52p,1.  
 20-SJ (Argyle Bay): 7/21/52;  
   8/16/55-1,3,4; 8/3/61; 7/5/60;  
   7/15/60-1,2; 6/22/61; 8/11/60-2,  
   3,4; 6/23/61; 7/8/61; 7/12/61-1,  
   3,4; 7/18/61-2; 7/15/63; 6/19/69.  
 4-SJ (Friday Harbor Lab): 7/30/52;  
   7/6/52; 8/18/55; 7/19/60.  
 21-SJ (False Bay):  
   8/4/52-2; 7/17/50-1; 7/24/60;  
   8/5/60; 6/29/61; 7/26/61; 8/8/61;  
   6/21/63; 7/1/63-1,2,3,6,7,8,9,10,  
   11,13,14,15; 6/23/73.

1-SJ (north side of Johns Island,  
 second bay): 8/19/52-2.  
 1-SJ (Roche Harbor): 8/19/52.  
 3-SJ (Squaw Bay):  
   8/1/55; 8/1/60-1; 7/10/61-1.  
 1-SJ (Upright Channel, Ogden Park):  
   8/1/55.  
 1-SJ (Brown Island): 8/2/55.  
 1-SJ (south of Satellite Island):  
   8/15/55-1.  
 1-SJ (outside False Bay):  
   8/17/55-2.  
 1-SJ (Johns Island): 7/10/50-2.  
 1-SJ (Satellite Island): 7/10/50-5.  
 1-SJ (Mosquito Pass.): 7/17/61-1.  
 1-SJ (Eagle Point): 7/13/50-3.  
 2-SJ (west of Decatur Head):  
   7/24/50-1,2.  
 1-SJ (San Juan Island, opposite  
   Henry Island): 7/31/50-1.  
 3-SJ (Mitchell Bay):  
   6/24/60; 8/16/60-1; 7/17/61-2.  
 2-SJ (Westcott Bay): 8/16/60-2,3.  
 1-SJ (Iceberg Point): 6/30/69-3.  
 8-SJ (Argyle Lagoon):  
   7/2/60; 7/11/60-1; 7/15/60-3;  
   7/31/60; 8/11/60-1; 7/12/61-2;  
   7/10/69-2,3.  
 1-SJ (West Sound, White Beach):  
   8/16/60-4.  
 2-SJ (North Beach): 8/18/60-1,2.  
 1-SJ (McArdle Bay): 8/22/60-3.  
 1-SJ (Smallpox Bay): 7/13/61.  
 1-SJ (Cattle Point): 8/6/61.  
 1-SJ (San Juan Island): 5/62.  
 1-SJ (West Sound): 6/27/63-B.  
 2-SJ (mid East Sound):  
   2/21/64; 4/3/64.  
 1-SJ (False Bay): 6/21/67-1.  
 1-SJ (Squaw Bay or West Sound):  
   6/30/67.  
 1-SJ (Squaw-Ogden): 6/27/69.  
 1-SJ (Reed Harbor): 7/15/69-3.  
 1-SJ (Lopez Sound): 6/21/71-2.

University of Washington Boat Log

1-SJ (beach seine: Fisherman Bay):  
 50330.  
 2-SJ (training cruise area: Lopez  
 Sound, southwest of Center  
 Island): 7118I; 7017I.  
 16-SJ (training cruise area: East  
 Sound, north of Rosario Point):  
 6507H; 6517H; 6603H; 6614H;  
 6620H; 6630H; 6722H; 6815H;  
 6908H; 6914H; 7010H; 7110H;  
 7118H; 7307H; 7313H; 7017H.  
 1-B (east of Point Frances): 491J.  
 1-B (Bellingham Bay): 6822G.  
 18-B (training cruise area: south-  
 west of Post Point): 6507G9;  
 6517G; 6603G; 6614G; 6630G;  
 6722G; 6815G; 6819G; 6826G;  
 6908G; 6914G; 7010G; 7017G,G.1;  
 7110G; 7118G; 7307G; 7313G.



*Leptocottus armatus*

## Cottidae

University of Washington Boat Log

- 1-E (Port Susan, off Warm Beach): 5023C.  
 1-E (off Mission Beach): 5023F.  
 1-E: 5712B.  
 1-E (off Coupeville to off Lovejoy Point): 5213B.  
 16-E (Holmes Harbor, south of Classic): 5237B; 5305B,G; 5307G,H,N,T,U; 5312B,C,E,N; 5501A,B,C,E.  
 3-E (Holmes Harbor, Rocky Point to Dines Point): 5237E; 5307K; 5327C.  
 2-E (Holmes Harbor, Dines Point to Classic): 5305C; 5712F.  
 15-E (Holmes Harbor): 5305H,I,L,M; 5325A; 5327A,B; 5405A,B; 5420A; 5522D,E; 5604D; 5703E,G.  
 1-E (beach seine: Good Beach, Penn Cove): 5316H.  
 4-E (Saratoga Pass., Onamac Point to Indian Beach): 5330D; 5405L,M,N.  
 4-E (Elger Bay): 5330J; 5405Q; 7112K,L.  
 8-E (Penn Cove): 5405I,J,K; 5420F,G; 5522G; 5712A; 5810H.  
 1-E (Everett): 6620D.  
 1-E (Saratoga Pass., Snatelum Point to Onamac Point): 5712C.  
 1-E (Saratoga Pass., Cama Beach to Lowell Point): 5712D.  
 1-E (training cruise area: off Penn Cove): 6826E.  
 1-E (training cruise area: Saratoga Pass., north of Langley): 7017D.  
 5-E (north of Kayak Point to Tulalip in Port Susan): 7112F,G,H,I,J.  
 2-AI (training cruise area: east of north Marrowstone Island): 6630J; 6614J.  
 1-AI (off White Rock): 499K.  
 4-HC (Dabob Bay, Broad Spit to Long Spit): 6702D,E; 7003F; 7202G.  
 2-HC (Dabob Bay): 6202F; 7205I.  
 1-HC (off Lofall): 12/28/48-3.  
 1-HC (off Sister Point): 499G.  
 3-CS (Port Madiscn): 6/30/49; 5043A; 6204B.  
 1-CS (head of Quartermaster Harbor): 5042B.  
 1-CS (off Point Jefferson): 5112D.  
 1-CS (mouth of Quartermaster Harbor): 5115H.  
 1-CS (east of Point Monroe): 5813C.  
 1-CS (off West Point): 7017Y.  
 6-CS (Murden Cove): 6616; 6806B; 6906B,D,E; 7108.  
 1-PO (south part of Agate Pass.): 4910B.  
 3-PO (off south of Fletcher Bay): 5229C; 5801A; 6016B4.  
 29-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5230F; 5232C; 5235P; 5236C; 5310.3B; 5402X; 5504; 5602B; 5707A,B,G,H; 5709C; 5904B; 5915B; 6001AM,AN; 6016B1,B2,A4,B5; 6101A; 6201; 6205D1,D2,D3; 6320A; 6507K; 6707.  
 1-PO (beach seine: south of Agate Pass. bridge, probably west side): 5315A.  
 5-PO (between "B-2" and "B-1"): 5526A; 6205C1,C2,C3; 5236F.  
 11-PO (most off Fletcher Bay): 6203B,C; 6204A; 7011A; 6214; 6713B,E; 6821.5F; 7020; 7105-2; 7313X.  
 5-PO (beach seine: 1 mile north of Illahee dock): 6205A1.1,A1.2,A2.2,A3.1,A3.2.  
 15-S (off Golden Gardens to Meadow Point): 498A; 5008B; 5112C; 5119C,H; 5203C,D; 5314C; 5329C,D; 5416A; 5512E; 5702AN; 5907D; 6506C.  
 2-PO (off Manzanita to Seabold): 6215A,B.  
 1-PO (off White Point to Brownsville): 6806A.  
 16-S (beach seine: Carkeek Park): 5219A,B; 5220A; 5221B,C; 5225A,B; 5311A,C; 5313A,B; 5708B,C,D; 5808A,B.  
 189-S (beach seine: Golden Gardens to Meadow Point): 492E; 5007D; 5015A,B,C; 5024C,D; 5040A; 5047A,B,C; 5105A,B; 5114A,B,C,D; 5116C1,C2,E; 5121B; 5127C; 5129B; 5134A; 5137A,B; 5208A,B,D; 5209C,D; 5214A1,A2,C,D,E,F1,F2; 5215U,B,D,F,G,H,I,J,K,L,M; 5308A,B,C; 5314D; 5320A; 5322A; 5329E; 5404A; 5406; 5407; 5412A; 5414D; 5415C,H,A,D,F,I,J,M,O,B,G,K,P; 5417A; 5419; 5424A,B; 5505D,E,F; 5508C,D; 5510E,F; 5513C; 5514C,D; 5609A; 5612A; 5706B; 5710A,B,C,D; 5804A; 5807A,B,C; 5909C; 5913A,B; 5914B; 5920I,J,L,M,N,O; 5925A,B; 6019A,B,C; 6113A; 6115A; 6116A,C; 6207A,B; 6210C; 6211; 16-6309; 12-6310; 6311B,C; 6319; 6410A,B,C; 6411A,B; 6-6417; 6508A,C,D; 6509A,B,C,D; 6511A,B,D,E,F; 6513A; 6518A,B; 6708A,C; 6709A,B; 6711A2; 6716A,C; 7209A,B,D.  
 3-S (off Meadow Point to Carkeek Park): 5233A; 5606A; 7120A.  
 3-S (beach seine: north side of West Point): 7310A2; 7311A,C.  
 1-S (Meadow Point-Richmond Beach): 6429A.  
 1-S (off south of Richmond Beach): 6608A.  
 2-S (off Alki Point to Duwamish Head): 6615A,B.  
 24-S (beach seine: Alki Point to Duwamish Head): 24-6619.  
 1-CP (off Camp Sealh): 5104CC.

*Leptocottus armatus*

## Cottidae

University of Washington Boat Log

- 1-CP (Cove to Fragaria): 5135E.  
 1-SS (north end of Pickering Pass.  
 to off McLane Cove): 5009H.  
 14-SS (Carr Inlet, off Glen Cove to  
 off Raft and Cutts Islands):  
 5009J; 5037G; 5045A,B; 5101B;  
 5104L,M,N,O,Y,AA; 5126M; 5201A;  
 5227B.  
 1-SS (beach seine: west side of  
 Cutts Island): 5037E.  
 14-SS (Carr Inlet, off Minter Creek  
 to Elgin):  
 5045G,J; 5046C; 5101C; 5107A;  
 5135A,B,D; 5213F; 5227D,E,F,G,I.  
 5-SS (Carr Inlet, off Wauna):  
 5101A; 5104F,W; 5227A,C.  
 1-SS (Carr Inlet, off north of Home  
 to off Horsehead Bay Spit):  
 5104R.  
 1-SS (Oakland Bay, off Shelton):  
 5115B.  
 8-SS (Carr Inlet):  
 5522A,B,C; 5605A,B; 5703B,C,D.  
 6-SS (trap: Eld Inlet, 1 mile  
 northeast of Flapjack Point):  
 6208A,B; 5217-2,3; 6219-1,2.  
 1-SS (Case Inlet, east of Hartstene  
 Island): 6724C.  
 2-SS (Carr Inlet, mid-channel, Glen  
 Cove to Green Point): 6724B-2,3.

Miscellaneous Logs

- 1-HC (near Chinom Point):  
 R. Dryfoos, personal  
 communication, 1963.  
 2-B (Bellingham Bay): FRI, Tyler,  
 Data Sheets, 1965.  
 4-S (West Point to Magnolia):  
 Metro, 1963-70.  
 10+-S (beach seine: Duwamish River  
 estuary): Metro, 1963-70.  
 220-S (Duwamish River estuary):  
 Metro, 1963-70.  
 1-E (Skagit and Similk Bays):  
 WSDf, Sport Fish., 1965-70.  
 12+-E (Everett):  
 WSDf, Sport Fish., 1965-70.  
 1-S (Elliott Bay):  
 WSDf, Sport Fish., 1965-70.  
 4-SS: WSDf, Sport Fish., 1965-70.  
 1-HC: WSDf, Sport Fish., 1965-70.  
 38-S (Duwamish Head to Alki Point):  
 U.W. Ocean., 1964-67.  
 50+-E (Port Gardner Bay):  
 U.W. Ocean., P.G., 1962-67.  
 157-PO (south of Fletcher Bay):  
 U.W. Ocean., P.O., 1964-65.  
 50+-S (Golden Gardens to Meadow  
 Point):  
 U.W. Ocean., Hoh, 1963-68.  
 48-PO (south and north of Fletcher  
 Bay): U.W. Ocean., Hoh, 1963-67.  
 2-SS (Nisqually Flats):  
 U.W. Ocean., Hoh, 1963-67.

- 48+- (Case Inlet, off Taylor Bay to  
 off Whiteman Cove):  
 U.W. Ocean., Hoh, 1963-67.  
 6-SS (Carr Inlet, off Horsehead  
 Bay): U.W. Ocean., Hoh, 1963-67.  
 28-CS (Port Madison):  
 U.W. Ocean., Hoh, 1963-68.  
 23-E (Port Gardner Bay):  
 U.W. Ocean., Hoh, 1963-67.  
 29-E (Port Susan):  
 U.W. Ocean., Hoh, 1963-67.  
 11-E (Penn Cove):  
 U.W. Ocean., Hoh, 1963-67.  
 15-E (off Demock Point to off  
 Utsalady Point):  
 U.W. Ocean., Hoh, 1963-67.  
 2-E (Saratoga Pass., Demock Point):  
 U.W. Ocean., Hoh, 1963-67.  
 7-E (Holmes Harbor):  
 U.W. Ocean., Hoh, 1963-67.  
 1-SS (mouth of Carr Inlet): U.W.  
 Ocean., herring trawl, 1968-69.  
 1-SJ (East Sound):  
 U.W. Ocean., Hoh, S.J., 1966.  
 8-E (Penn Cove):  
 U.W. Ocean., Hoh, S.J., 1966.  
 3-E (Utsalady):  
 U.W. Ocean., Hoh, S.J., 1966.  
 5-E (Port Susan):  
 U.W. Ocean., Hoh, S.J., 1966.  
 3-E (Port Gardner Bay):  
 U.W. Ocean., Hoh, S.J., 1966.  
 1-E (Holmes Harbor): WSDf,  
 Commercial Catch Comp., 1966-71.  
 1-SS (Carr Inlet): WSDf, Commercial  
 Catch Comp., 1966-71.  
 1-SS (Case Inlet): WSDf, Commercial  
 Catch Comp., 1966-71.  
 17-SJ (East Sound, south of Rosario  
 Point): NIH, 1964-66.  
 1-SJ (East Sound): NIH, 1968-71.  
 2-SJ (Argyle Spit; False Bay):  
 NIH, 1968-71.  
 6-B (Bellingham Bay, off Nooksack  
 River to Marine Drive):  
 NIH, 1968-71.  
 30-S (Golden Gardens to Carkeek  
 Park): NIH, 1968-71.  
 1-PO (Clam Bay): NIH, 1968-71.  
 1-HC (Big Beef Harbor): NIH, 69042.  
 4-SS (Case Inlet, Stretch Island to  
 Herron Island): NIH, 1968-71.  
 8-CS (Port Madison):  
 Van Cleve, trap, 1961-65.  
 2-PO (off Fletcher Bay):  
 Van Cleve, trap, 1961-65.  
 44-SS (Eld Inlet entrance):  
 Van Cleve, trap, 1961-65.  
 4-E (Holmes Harbor):  
 Van Cleve, trap, 1961-65.  
 4-E (Saratoga Pass., west side just  
 south of Penn Cove):  
 Van Cleve, trap, 1961-65.  
 1-E (Penn Cove):  
 Van Cleve, trap, 1961-65.



*Leptocottus armatus*

## Cottidae

Miscellaneous Logs

- 6-JF (beach seine: Dungeness embayment): Peninsula College, 1971.
- 4-JF (beach seine: Port Angeles embayment): Peninsula College, 1971.
- 1-JF (Sequim Bay): Battelle, 1967-69.
- 1-JF (lower Discovery Bay): Sea Grant, 71111.
- 2-GS (tow area 1: mouth of Boundary Bay): WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 2: off Birch Bay): WSDF, Gulf Georgia, 1969-71.
- 1-SJ (Argyle Bay): Bruce Miller, Diving Log, 7/20/66.
- 1-S (Alki Beach): Bruce Miller, Diving Log, 6/16/67.
- 2-JF (west of Protection Island): NMFS, Cobb, 2/28/73.
- 1-S (Golden Gardens): S.L. Ralston, Diving Log, 1971.
- 6-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 2-GS (beach seine: just south of Cherry Point): Sea Grant, 72008.
- 5-GS (south of Cherry Point): Sea Grant, 1972.
- 9-S (Duwamish River estuary, 16th Ave. S. bridge to 1st Ave. S. bridge): Sea Grant, 1972.
- 1-B (northern Bellingham Bay): Sea Grant, 72004.
- 9-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 1972.
- 1-CS (hand net: 1 mile south of Fay Bainbridge State Park): Sea Grant, 72012.
- 6-CS (beach seine: Seahurst County Park): Sea Grant, 72016.
- 5-JF (beach seine: West Beach): Sea Grant, 72017.
- 2-PO (beach seine: Dyes Inlet, Tracyton launch ramp): Sea Grant, 72018.
- 5-SS (off Nisqually Flats): Sea Grant, 1972.
- 8-SS (beach seine: Nisqually Head): Sea Grant, 1972.
- 13-S (beach seine: Golden Gardens): Sea Grant, 1972.
- 1-CP (off Gig Harbor Spit): Sea Grant, 72025.
- 4+-HC (off Big Beef Harbor): Sea Grant, 72026.
- 5+-HC (beach seine: below and above bridge at Big Beef Creek): Sea Grant, 72028.
- 2-B (beach seine: Wildcat Cove): Sea Grant, 72029.
- 3-B (Bellingham Bay, off Nooksack Flats): Sea Grant, 72035.
- 28-S (beach seine: north side of West Point): Sea Grant, 1973.
- 23-S (beach seine: south side of West Point): Sea Grant, 1973.
- 6-CS (beach seine: north of Meadowdale at Lunds Gulch): Sea Grant, 73002.
- 4-S (off northwest side of West Point): Sea Grant, 1973.
- 1-S (off southwest side of West Point): Sea Grant, 1973.
- 5-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 2-S (southwest of Alki Point): Sea Grant, 1973.
- 1-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay): Sea Grant, 73008.
- 11-S (Duwamish River estuary, between 1st and 16th Ave. S. bridges): Sea Grant, 1973.
- 2-S (Duwamish River estuary, upstream from 16th Ave. S. bridge): Sea Grant, 1973.
- 5-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
- 4-SS (off Nisqually Flats): Sea Grant, 1973.
- 8-SS (McAllister Creek estuary): Sea Grant, 1973.
- 2-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 15-HC (beach seine: above bridge at Big Beef Creek): Sea Grant, 1973.
- 9-B (beach seine: Wildcat Cove): Sea Grant, 1973.
- 3-SS (McLane Cove toward Stretch Island): Sea Grant, 1973.
- 3-SS (west side of Dougall Point): Sea Grant, 1973.
- 11-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973-74.
- 8-HC (off Union): Sea Grant, 1973.
- 4-HC (mid-channel, off Union): Sea Grant, 1973-74.
- 10-HC (off Skokomish River delta): Sea Grant, 1973.
- 4-HC (beach seine: north of Vinland): Sea Grant, 73038.
- 2-HC (Bangor Annex): Kramer, Chin, and Mayo NCEL Survey, 1973.
- 4-HC (beach seine: Bangor Annex): Kramer, Chin, and Mayo NCEL Survey, 1973.
- 10-S (south side of West Point): Doug Olander, Sport Catch Log, 1972-73.
- 6-SS (Cormorant Pass.): Sea Grant, 1973.
- 1-SS (Tatsolo Point): Sea Grant, 73059.
- 1-B (Samish Bay): U.W. Ocean., Hoh, S.J., 1966.

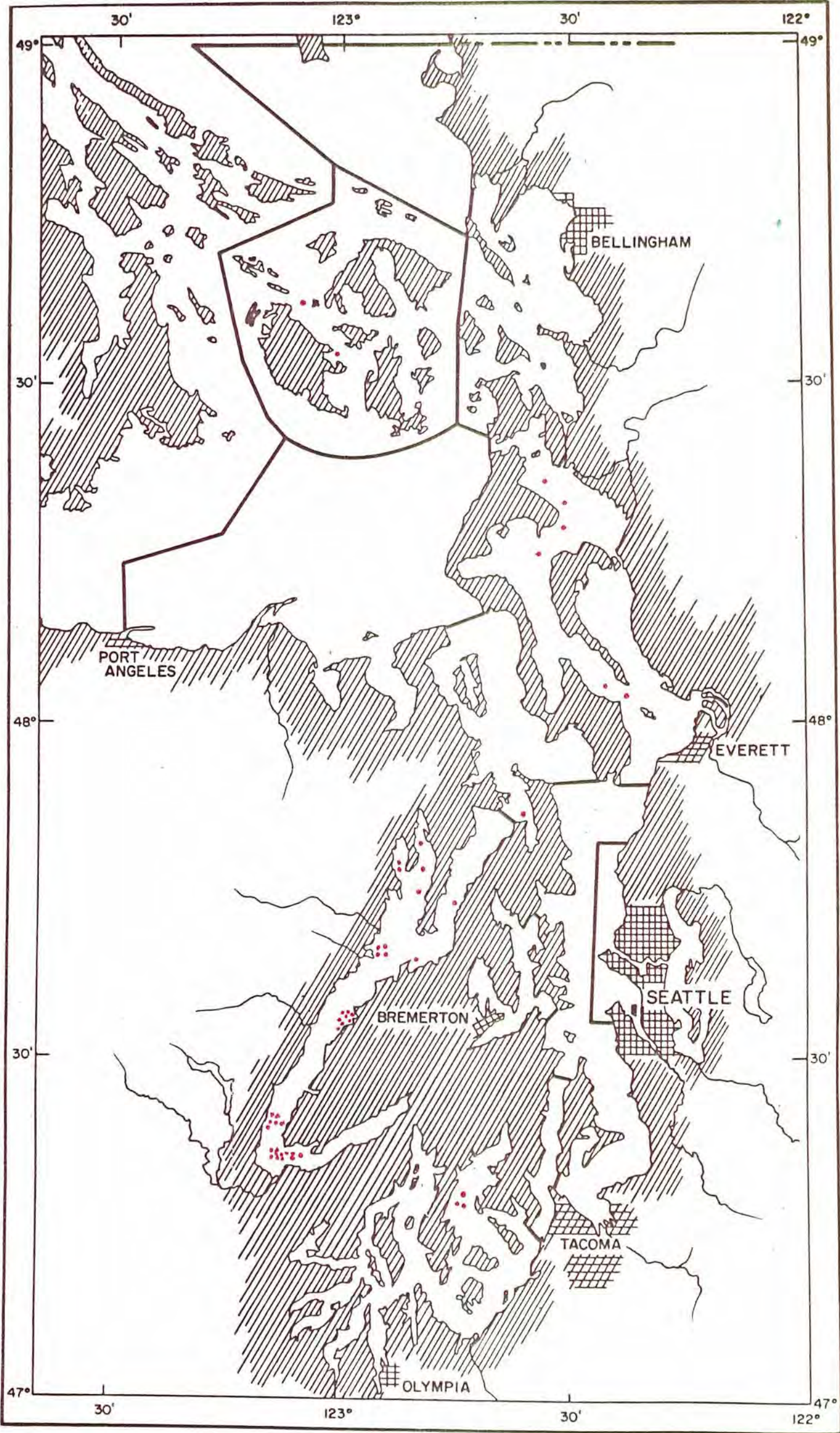
*Leptocottus armatus*

Cottidae

Miscellaneous Logs

50+-HC (Big Beef estuary and creek):  
K Koski, personal communication,  
10/19/72.







*Malacocottus kincaidi*

Cottidae

Published Records

- 1-HC: Gilbert and Thompson, 1905.  
 1-HC: Hubbs, 1928.  
 1-PS: Kincaid, 1919.  
 5-HC (Hoodsport):  
     Smith, 1937 (also one is museum  
     3956 and one is museum 3969).  
 2-HC (Quilcene Bay): Smith, 1937  
     (also museum 4336 and 4349).  
 3-HC (Skokomish Flats; Holly;  
     Seabeck): Smith, 1937.  
 1-AI (Port Gamble): Smith, 1936.  
 1-HC (Bangor): Smith, 1936.  
 3-E (Skagit Bay): Salo, 1969.  
 1-HC (Anderson Cove): Chew, 1970.

University of Washington  
Museum Collection

- 2-HC (Holly): 4466; 1561.  
 1-SJ (Friday Harbor): 14240.  
 1-HC (opposite Hoodsport):  
     5785 (also boat 499F).  
 1-HC (Dabob Bay):  
     14573 (also boat 5921).  
 1-SS (Carr Inlet): 200529.  
 1-HC (Dabob Bay): 19063.

Friday Harbor Laboratory Log

- 1-SJ (San Juan Channel, 88 fathoms):  
 7/27/55.

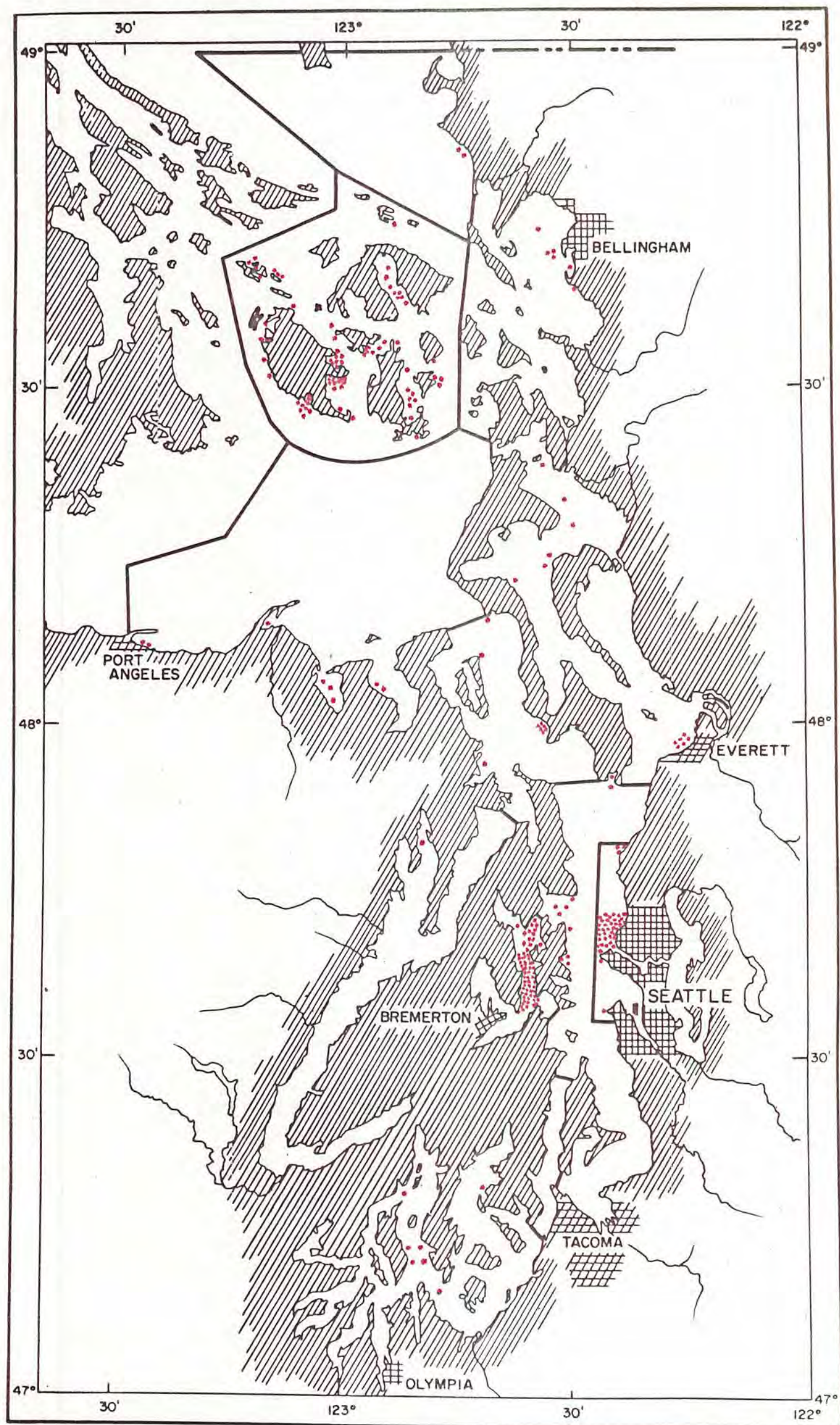
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- 1-E (Saratoga Pass., off Camano  
 Head): 6822D.  
 1-E (training cruise area: Saratoga  
 Pass., north of Langley): 6914D.  
 4-HC (off Pleasant Harbor):  
     7003I,J,K,L.  
 3-HC (Anderson Cove): 7009A,B,D.  
 1-HC (Dabob Bay, Broad Spit to Long  
 Spit): 7202F.

Miscellaneous Logs

- 1-E (Saratoga Pass., Demock Point):  
     U.W. Ocean., Hoh, 1963-67.  
 2-SS (Carr Inlet, off Horsehead  
 Bay): U.W. Ocean., Hoh, 1963-67.  
 4-HC (off Union, mid-channel):  
     Sea Grant, 1973-74.  
 7-HC (mid-channel, off Skokomish  
 River delta):  
     Sea Grant, 1973-74.







*Myoxocephalus polyacanthocephalus*

## Cottidae

Published Records

- 1-JF (beach seine: Port Angeles):  
Gilbert, 1895.  
1-AI (Port Ludlow): Starks, 1896b.  
1-PS: Jordan and Starks, 1896.  
2-AI (Admiralty Head; Marrowstone  
Point):  
Evermann and Goldsborough, 1907.  
1-SJ (Sucia Island):  
Evermann and Goldsborough, 1907.  
1-SJ (Friday Harbor, San Juan  
Channel):  
Wisner and Swanson, 1935.  
1-SJ: Starks, 1911.  
1-SJ: Shelford et al., 1935.  
1-SJ (near Friday Harbor):  
Powers, 1921.  
1-JF (Sequim Bay):  
Smith, 1936 (also museum 3888).  
1-E (Skagit and Similk Bays):  
Stober and Salo, 1970a.  
1-E (Skagit Bay): Salo, 1969.  
1-CS (beach seine: south side of  
Point Jefferson): Kendall, 1966.

University of Washington  
Museum Collection

- 1-SJ (Argyle Bay): 551.  
1-SJ (Upright Head and Shoal Bay):  
679.  
1-SJ (Flat Point): 683.  
1-S (Alki Point): 979.  
1-SJ (Friday Harbor): 1038.  
1-SJ (False Bay): 1269.  
1-SJ (False Bay reef): 1478.  
1-SJ (Brown Island): 2130.  
1-SJ (Squaw Bay): 2173.  
3-S (Edmonds Beach):  
4476; 5481; 5525.  
1-S (beach seine: spit near Ballard  
Locks): 4621.  
1-CS (off Cultus Bay):  
5924 (also boat 5032A).  
1-PO (Agate Pass., buoy N4-N6):  
6029 (also boat 5106E).  
1-S (Golden Gardens): 6087.  
1-CS (beach seine: Cultus Bay):  
10214.  
1-S (beach seine: Golden Gardens):  
11193.  
1-S (Shilshole Bay): 15446.  
1-E (Skagit Flats, near Hope  
Island): 16865.  
1-B (Chuckanut Bay): 18290.  
1-SJ (Lopez Sound, south of Frost  
Island): 15734.  
1-SJ (Upright Channel): 17217 (also  
Friday Harbor Log, 7/5/63).  
1-SJ (Limestone Point): 17434 (also  
Friday Harbor Log, 6/23/63).

Friday Harbor Laboratory Log

- 1-SJ (White Point, San Juan Island):  
7/19/51-1.  
1-SJ (Johns Island): 7/10/50-2.

- 2-SJ (west of Fish Creek):  
7/21/52p,1.  
12-SJ (Argyle Bay):  
7/21/52; 8/16/55-1,3; 7/5/60;  
8/11/60-2,3,4; 6/22/61; 7/8/61;  
7/12/61-1,3; 7/15/63.  
7-SJ (False Bay): 8/4/52-1;  
7/24/60; 8/5/60; 6/29/61;  
6/21/63; 7/18/67; 7/1/69-4.  
2-SJ (north side Johns Island,  
second bay): 8/19/52-1,2.  
3-SJ (Squaw Bay):  
8/1/55; 8/1/60-1; 7/10/61-1.  
1-SJ (Brown Island): 8/2/55.  
1-SJ (south of Satellite Island):  
8/15/55-1.  
1-SJ (Mud Bay): 8/15/55-3.  
2-SJ (outside False Bay):  
8/17/55-1,2.  
3-SJ (Friday Harbor Lab):  
8/18/55; 7/19/60; 8/4/60-1.  
1-SJ (Prevost Harbor): 7/10/50-4.  
1-SJ (north of Stuart Island):  
7/10/50-9.  
1-SJ (west of Goose Island):  
7/13/50-5.  
1-SJ (west of Decatur Head):  
7/24/50-1.  
2-SJ (James Island): 7/24/50-3,5.  
1-SJ (west of Armitage Island):  
7/24/50-8.  
1-SJ (south of Neck Point):  
8/14/50-1.  
1-SJ (north of Neck Point):  
8/14/50-2.  
1-SJ (north of Hunter Bay):  
6/19/50-5 (also boat 5033G).  
3-SJ (Mitchell Bay):  
6/24/60; 8/16/60-1; 7/17/61-2.  
1-SJ (Friday Harbor): 8/6/60-1.  
2-SJ (North Bay): 8/18/60-1,2.  
1-SJ (Kanaka Bay): 8/21/60.  
1-SJ (McArdle Bay): 8/22/60-3.  
1-SJ (Smallpox Bay): 7/13/61.  
1-SJ (Lopez Sound): 7/28/61.  
2-SJ (mid East Sound):  
1/17/64; 2/21/64.  
1-SJ (Squaw Bay or West Sound):  
6/30/67.  
1-SJ (Deadman Bay): 7/11/67-1.  
1-SJ (Squaw-Ogden): 6/27/69.  
1-SJ (Reed Harbor): 7/15/69-3.

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- 1-SS (beach seine: west side of  
Cutts Island): 5037E.  
1-CS (beach seine: Fay Bainbridge  
State Park): 5806B.  
3-SJ (training cruise area: Lopez  
Sound, southwest of Center  
Island): 7110I; 7118I; 7307I.  
2-SJ (training cruise area: East  
Sound, north of Rosario Point):  
7110H; 6603H2.



*Myoxocephalus polyacanthocephalus*

## Cottidae

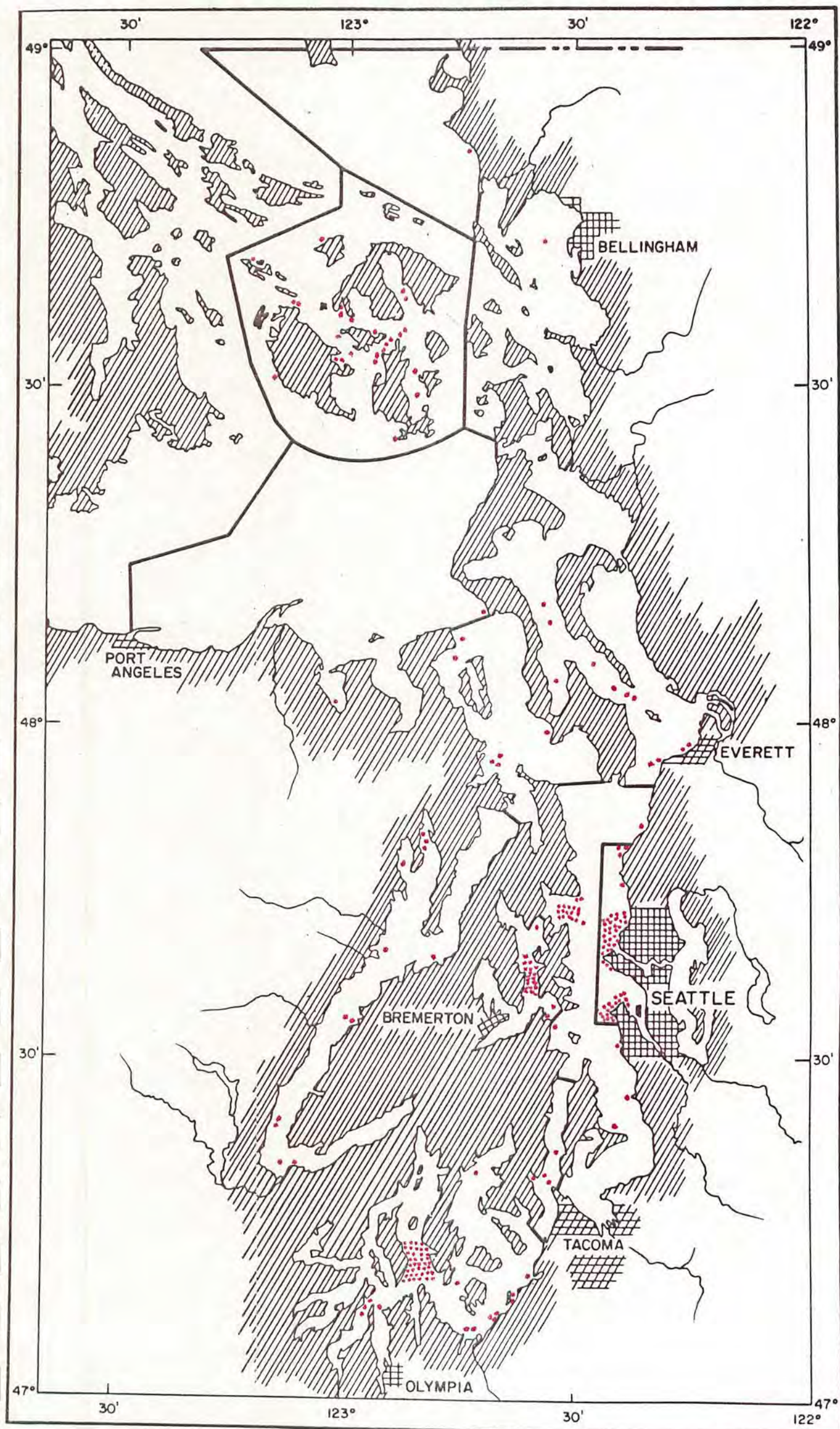
University of Washington Boat Log

- 3-B (training cruise area:  
southwest of Post Point):  
6507G; 6603G; 7307G.
- 3-CS (Murden Cove):  
6610D; 6906B,C.
- 1-HC (Dabob Bay, Broad Spit to Long  
Spit): 6902G.
- 2-PO (south part of Agate Pass.):  
4910B; 5011C.
- 4-PO (Agate Pass., buoy N4 to N6):  
5006A; 5048A; 5106E; 5310.3D.
- 2-S (off Meadow Point to Carkeek  
Park): 5212B; 6414B.
- 7-PO (off Fletcher Bay to south of  
Battle Point and Brownsville):  
5226B; 5236D; 5707G; 5901AL;  
5904C; 5915B; 6111A.
- 5-PO (off Manzanita to off Seabold):  
5236B; 5310.2D,.4B,.5B,.5E.
- 1-PO (between "3-2" and "B-1"):  
5301C.
- 1-PO (off Battle Point to north of  
Battle Point): 5310.1A.
- 1-PO (in Manzanita Bay): 5310.3C.
- 1-PO (Point Bolin to Keyport):  
5310.4D.
- 15-S (off Golden Gardens to Meadow  
Point):  
498A; 5007B; 5008B; 5011D; 5014C;  
5110E,F; 5112E; 5408A; 5512E,G;  
5607A,B; 5907C; 6206A.
- 3-S (beach seine: Carkeek Park):  
5225A; 5231A; 5313C.
- 20-S (beach seine: Golden Gardens to  
Meadow Point): 5007D; 5024C;  
5047C; 5105A; 5110H; 5114B,D;  
5127C; 5134A; 5137A,B; 5209B,C;  
5308A; 5508C; 5609A; 5612A;  
5807A; 5913B; 6207C.
- 1-JF (beach seine: Dungeness embay-  
ment): Peninsula College, 1971.
- 1-JF (beach seine: Port Angeles  
embayment):  
Peninsula College, 1971.
- 1-JF (Sequim Bay):  
Battelle, 1967-69.
- 1-JF (lower Sequim Bay):  
Sea Grant, 71110.
- 2-JF (upper Discovery Bay):  
Sea Grant, 71111.
- 1-S (south of Carkeek Park):  
Sea Grant, 3/17/71.
- 1-GS (purse seine observation: south  
of Cherry Point):  
Sea Grant, 72009.
- 4-AI (beach seine: Mutiny Bay launch  
ramp): Sea Grant, 1972.
- 1-GS (south of Cherry Point):  
Sea Grant, 72019.
- 1-B (beach seine: Wildcat Cove):  
Sea Grant, 72029.
- 1-B (Bellingham Bay, mid-channel,  
off Nooksack estuary):  
Sea Grant, 72035.
- 1-S (beach seine: south side of West  
Point): Sea Grant, 1973.
- 1-S (off northwest side of West  
Point): Sea Grant, 1973.
- 1-SS (mid-channel, McLane Cove to  
Stretch Island):  
Sea Grant, 1973.
- 1-AI (Mutiny Bay):  
Sea Grant, 73049.
- 1-SS (Johnson Point toward Anderson  
Island):  
Dick Geise, Sport Catch, 5/8/74.

Miscellaneous Logs

- 6-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.
- 42-PO (south of Fletcher Bay):  
U.W. Ocean., P.O., 1964-65.
- 14-S (Golden Gardens to Meadow  
Point):  
U.W. Ocean., Hoh, 1963-68.
- 9-PO (south and north of Fletcher  
Bay): U.W. Ocean., Hoh, 1963-67.
- 4-SS (Case Inlet, off Taylor Bay to  
off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.
- 3-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 2-E (Saratoga Pass., Demock Point):  
U.W. Ocean., Hoh, 1963-67.
- 4-SJ (East Sound, south of Rosario  
Point): NIH, 1964-66.
- 1-E (Saratoga Pass., west side just  
south of Penn Cove):  
Van Cleve, trap, 1961-65.







*Nautichthys oculofasciatus*

## Cottidae

Published Records

1-SS (Fort Steilacoom):  
 Girard, 1858, 1859; Suckley,  
 1860; Gunther, 1860.  
 1-PS: Jordan and Starks, 1896.  
 1-AI (Port Ludlow): Starks, 1896b.  
 1-AI (Port Townsend):  
 Steindachner, 1877.  
 1-JF (off Admiralty Head):  
 Evermann and Goldsborough, 1907.  
 1-AI (north of Tala Point):  
 Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-HC (Holly):  
 Schultz and DeLacy, 1935-36.  
 1-SJ (San Juan Channel, off Friday  
 Harbor):  
 Wismer and Swanson, 1935.  
 1-SJ: Shelford et al., 1935.  
 1-SJ (Upright Channel):  
 Smith, 1937.  
 1-HC (Quilcene Bay):  
 Smith, 1937 (also museum 4222).  
 1-HC (Holly): Smith, 1937.  
 1-SS (Dofflemeyer Point):  
 Smith, 1937.  
 3-E (Camano Head; Langley; Watsak  
 Point): Smith, 1937.  
 3-E (Gedney Island): Smith, 1937.  
 1-CS (Meadowdale): Smith, 1937.  
 2-HC (Hoodspoint): Smith, 1937.  
 5-S (Duwamish Head): Salo, 1969.  
 2-CS (beach seine: south side of  
 Point Jefferson):  
 Kendall, 1966.

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2-PS: 214; 7353.  
 5-S (Alki Point):  
 665; 823; 4225; 4396; 4486.  
 3-SJ (Flat Point):  
 680; 2087; 2271.  
 2-SJ (Deer Harbor): 809; 1220.  
 2-SJ (Friday Harbor): 994; 2096.  
 1-SJ (Madrona Cove, San Juan  
 Island): 1178.  
 1-SJ (Blind Bay): 2244.  
 1-PS (Hood Canal to Port Susan):  
 2331.  
 1-E (Saratoga Pass., Camano Head):  
 2546.  
 1-E (Saratoga Pass.): 4243.  
 1-E (off Mukilteo): 4350.  
 1-E (northwest side of Lopez  
 Island): 4972.  
 3-S (Edmonds Beach):  
 5445; 5462; 5478.  
 1-S (Carkeek Park): 5554.  
 1-SJ: 19456.  
 1-E (Mukilteo ferry dock): 5686.  
 8-S (Golden Gardens):  
 5646; 6138; 14245; 14249; 14285;  
 14303; 16377; 16923.

1-CS (mouth of Port Madison): 6079.  
 1-CP (Point Defiance): 11183.  
 1-SS (Drayton Pass.): 14260.  
 1-AI (off Colvos Rock): 14342.  
 1-SS (Nisqually Reach): 15704.  
 3-S (off Golden Gardens): 6019  
 (also boat 494B); 5839 (also boat  
 496C); 5740 (also boat 497E).  
 1-SJ (Limestone Point): 18013 (also  
 Friday Harbor log, 6/23/63).  
 5-S (beach seine: Golden Gardens):  
 5908 (also boat 5032.1C); 5798  
 (also boat 5036A); 6086 (also  
 boat 5047B); 10202; 14281 (also  
 boat 5129B).  
 1-S (Richmond Beach): 10191.  
 1-SJ (Prevost Harbor): 10448.  
 1-SJ (Lopez Sound): 16682 (also  
 Friday Harbor log, 7/11/63).  
 1-SJ (East Sound): 17135.

Friday Harbor Laboratory Log

1-SJ (Upright Head): 8/2/52.  
 1-SJ (north of Upright Head):  
 8/22/55-1.  
 1-SJ (North Bay, Waldron Island):  
 8/25/55-2.  
 1-SJ (south of Neck Point):  
 8/14/50-1.  
 1-SJ (Pole Pass.): 7/30/60.  
 1-SJ (Lopez Sound): 8/22/60-4.  
 1-SJ (Deadman Bay): 6/22/63.  
 1-SJ (Iceberg Point): 7/7/67.

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1-CS (off Indianola, Port Madison):  
 5006B.  
 1-CS (Tramp Harbor): 5104A.  
 1-SS (Carr Inlet, Minter Creek to  
 Glen Cove): 5104Y.  
 1-CP (off Camp Sealath): 5104CC.  
 1-PO (Agate Pass., buoy N4 to N6):  
 5006A.  
 1-PO (Rich Pass.): 5616.  
 1-PO (off Fletcher Bay): 6111B.  
 1-CS (Manchester): 6618.  
 3-HC (Dabob Bay, Broad Spit to Long  
 Spit): 6804A; 6807A; 6828B.  
 1-HC (off Pleasant Harbor): 6804E.  
 1-E (Saratoga Pass., south of  
 Snatelum Point): 5712C.  
 5-S (off Meadow Point to Carkeek  
 Park): 5039E; 5119B; 5606B;  
 6414B; 7120B.  
 2-S (beach seine: Carkeek Park):  
 5225A, B.  
 21-S (off Golden Gardens to Meadow  
 Point): 4/16/49-2; 491A; 494E;  
 495D; 498B; 4910A; 5033A; 5034D;  
 5039D; 5112B; 5119C; 5131C;  
 5132A, B; 5233D; 5324C; 5329C;  
 5607B; 5702AN; 5920B; 6311A.

*Nautichthys oculofasciatus*

## Cottidae

University of Washington Boat Log

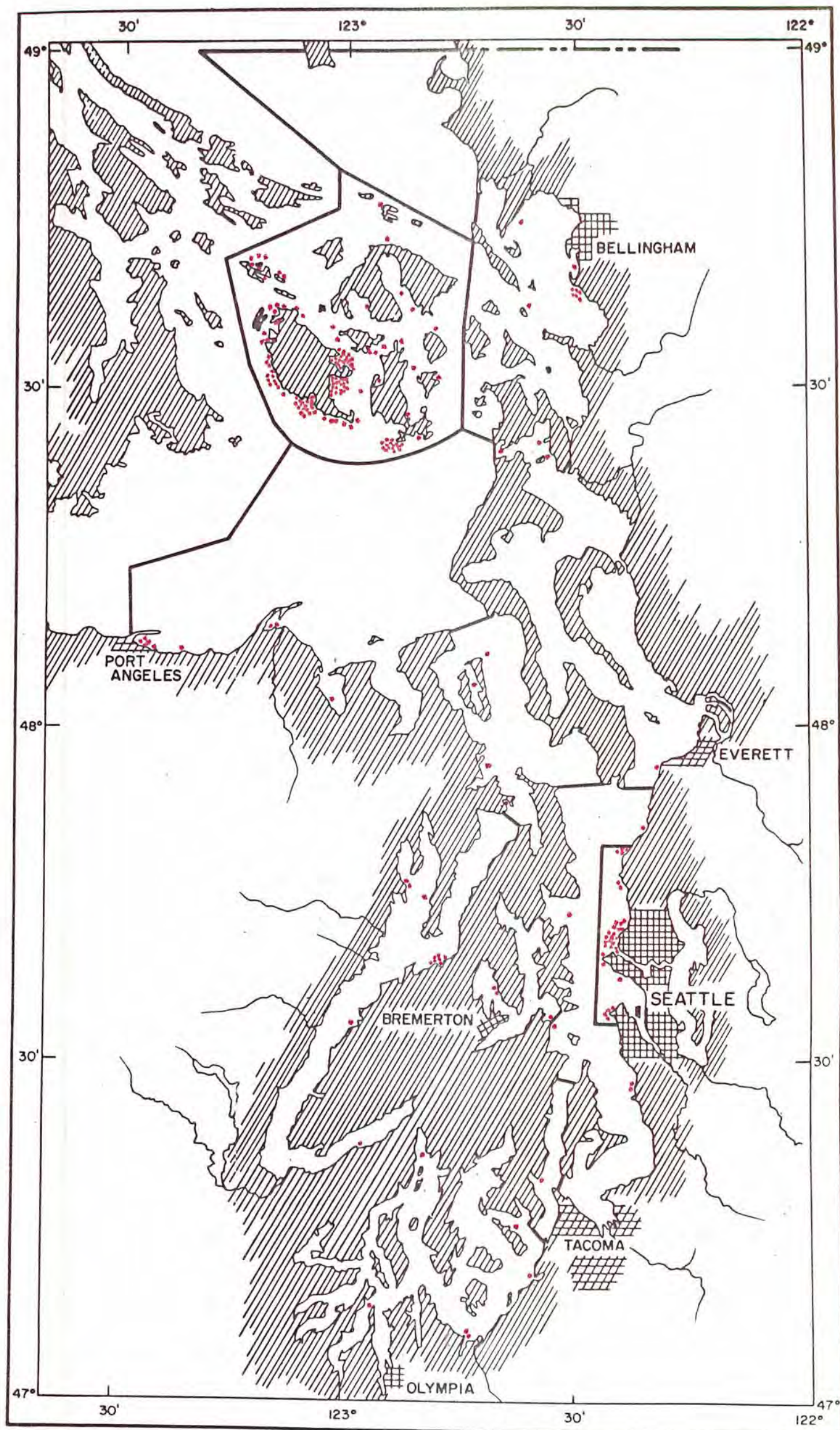
21-S (beach seine: Golden Gardens to Meadow Point): 5001; 5007D; 5040A; 5047A, C; 5116A; 5114B; 5127C; 5134A, B; 5137A, B; 5209C; 5320A; 5322A; 5326A; 5328A; 5706A; 6211; 6310; 6417.

Miscellaneous Logs

5-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.  
2-S (Meadow Point):  
U.W. Ocean., 1964-67.  
2-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.  
14-PO (south of Fletcher Bay):  
U.W. Ocean., P.O., 1964-65.  
23-S (Golden Gardens to Meadow Point):  
U.W. Ocean., Hoh, 1963-68.  
5-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.  
47-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.  
13-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.  
1-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.  
1-CS (Fauntleroy Ferry):  
Bill High, Diving, 1965.  
1-SJ (Limestone Point): Bruce Miller, Diving Log, 9/6/65.  
1-B (Bellingham Bay, Nooksack Flats to Marine Drive): NIH, 1968-71.  
4-S (Golden Gardens to Carkeek Park): NIH, 1968-71.  
1-PO (Clam Bay): NIH, 1968-71.  
3-SS (Eld Inlet entrance):  
Van Cleve, trap, 1961-65.  
1-JF (lower Sequim Bay):  
Sea Grant, 71110.  
1-S (Alki Point):  
S.L. Ralston, Diving Log, 1971.  
1-S (Golden Gardens):  
S.L. Ralston, Diving Log, 1971.  
1-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).  
1-GS (south of Cherry Point):  
Sea Grant, 72019.  
1-CP (off Gig Harbor spit):  
Sea Grant, 72025.  
1-S (beach seine: Golden Gardens):  
Sea Grant, 72032.  
3-S (beach seine: north side of West Point): Sea Grant, 1973.  
2-S (off northwest side of West Point): Sea Grant, 1973.  
3-S (off southwest side of West Point): Sea Grant, 1973.  
1-S (southwest of Alki Point):  
Sea Grant, 1973.  
1-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.

1-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.  
1-SS (McLane Cove toward Stretch Island): Sea Grant, 1973.  
3-SS (mid-channel, McLane Cove to Stretch Island):  
Sea Grant, 1973.  
1-HC (off Union): Sea Grant, 1973.  
1-HC (off Skokomish River delta):  
Sea Grant, 1973.  
1-AI (Mutiny Bay):  
Sea Grant, 73049.  
2-SS (Cormorant Pass.):  
Sea Grant, 73060.  
1-S (Carkeek Park): George Warner, personal communication, 1957.  
1-AI (Port Townsend Bay):  
U.W. Ocean., Hoh, S.J., 1966.  
1-SJ (East Sound): NIH, 1968-71.  
1-CS (Three-Tree Point): Bruce Miller, Diving Log, 9/17/64.  
1-SS (off Nisqually River-McAllister Creek delta): Sea Grant, 72034.  
3-SS (south of Tatsolo Point):  
Sea Grant, 73059.







*Oligocottus maculosus*

## Cottidae

Published Records

- 1-SS (Fort Steilacoom): Girard, 1857a, 1859; Suckley, 1860.  
 1-PO (Orchard Point): Jordan and Starks, 1896.  
 1-AI (Port Ludlow): Starks, 1896b.  
 1-JF (beach seine: Port Angeles): Gilbert, 1895.  
 1-SS (Fox Inlet, Hale Pass.): Steindachner, 1877.  
 1-SJ: Starks, 1911.  
 1-SJ (Friday Harbor): Miles, 1918.  
 1-SJ (near Friday Harbor): Powers, 1921.  
 2-AI (Kilisut Harbor; Marrowstone Point): Evermann and Goldsborough, 1907.  
 1-E (Lone Tree Point): Horn, 1932.  
 1-SJ: Shelford et al., 1935.  
 1-CS (Meadowdale): Schultz and DeLacy, 1935-36.  
 1-HC (Holly): Schultz and DeLacy, 1935-36.  
 1-E (beach seine: Kiket Island): Stober and Salo, 1970a.  
 1-S (Seattle): Jamison, 1966.  
 1+B (Bellingham Bay, north of Eliza Island): Tyler, 1964.  
 1-CS (Seahurst County Park): Miller, 1971a.

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Museum Collection

- 4-S (Golden Gardens): 89; 99; 11199; 200071.  
 1-S (Pipers Canyon): 144.  
 1-E (Deception Pass.): 169.  
 1-SJ (Argyle Bay): 550.  
 1-CS (reef north of Manchester Rocks): 638.  
 1-SJ (Upright Head and Shoal Bay): 670.  
 1-S (Seattle): 708.  
 1-SJ (Flat Point): 724.  
 1-SJ (East Sound): 743.  
 7-SJ (Friday Harbor): 996; 1039; 2152; 2182; 4796; 4821; 14246.  
 1-SJ (Cattle Point): 1014.  
 1-SJ (Lime Kiln): 1026.  
 1-SJ (two miles south of Lime Kiln): 1060.  
 4-SJ (Kanaka Bay): 1078; 1143; 1251; 10439.  
 1-S (Ballard): 4334.  
 1-PS: 12699.  
 4-S (Alki Point): 4337; 4849; 4909; 6213.  
 2-S (Edmonds, hand seine): 4386; 4408.  
 1-S (beach seine: south of Ballard Locks): 4403.  
 1-AI (Bywater Bay): 4430.  
 2-S (Edmonds Beach): 4550; 4591.  
 1-SS (Case Inlet, North Bay): 5068.  
 1-B (east northeast of Vendovi Island): 6055.

- 1-HC (Twanoh State Park): 11173.  
 1-JF (beach near Morse Creek): 4636.  
 2-HC (Point Whitney): 14689; 16582.  
 1-JF (Port Angeles): 14163.  
 1-B (Chuckanut Bay): 18280.  
 2-S (Richmond Beach): 5984 (also boat 2/13/50); 10201.  
 1-GS (Blaine, Semiahmoo Bay): 816.  
 1-SJ (south of Frost Island): 5990 (also Friday Harbor log, 6/19/50-2 and boat 5033D).  
 1-S (beach seine: Golden Gardens): 5793.  
 1-SJ (near Peavine Pass.): 1106.  
 2-SJ (Brown Island): 1115; 2133.  
 5-SJ (False Bay): 1129; 1158; 1174; 1262; 6199.  
 1-SJ (near Olga): 1134.  
 1-SJ (Parker Reef, north of Orcas Island): 1162.  
 1-SJ (northeast side of San Juan Island): 1295.  
 1-SJ (False Bay reef): 1483.  
 1-S (beach seine: North Beach): 4675.  
 2-S (North Beach): 5034; 4823.  
 1-SJ (entrance to False Bay): 10453 (also Friday Harbor log, 8/4/52-1).  
 1-SJ (reef north of Lime Kiln light): 10765.  
 1-SJ (Prevost Harbor): 11200 (also Friday Harbor log, 8/19/52).  
 1-SJ (Newall, Orcas Island): 14332.  
 1-SJ (Upright Channel): 17204 (also Friday Harbor log, 7/5/63).  
 1-SJ (point east of Eagle Cove): 17415 (also Friday Harbor log, 8/5/63).  
 1-SJ (Limestone Point): 17440 and 17969 (also Friday Harbor log, 6/23/63).  
 1-SJ (Deadman Bay): 17928 (also Friday Harbor log, 8/2/63).  
 2-SJ (Hannah Heights): 17940; 18014 (also Friday Harbor log, 8/3/63).  
 1-SJ (Iceberg Point): 18021.

Friday Harbor Laboratory Log

- 3-SJ (Friday Harbor): 6/23/52; 8/6/60-1; 7/25/61.  
 1-SJ (American Camp): 7/6/52.  
 2-SJ (Smallpox Bay): 7/8/52; 7/13/61.  
 1-SJ (south of Smallpox Bay): 7/8/52.  
 6-SJ (Iceberg Point tidepool): 7/22/52-3; 8/22/60-1; 7/18/63-2; 7/19/63-2; 6/29/73-1, 2.  
 11-SJ (False Bay): 8/4/52-1; 7/10/60; 7/14/60; 7/24/60; 8/5/60; 6/29/61; 7/26/61; 8/8/61; 6/21/63; 7/18/67; 7/1/69-4.



*Oligocottus maculosus*

## Cottidae

Friday Harbor Laboratory Log

- 2-SJ (north side of Johns Island, second bay): 8/19/52-1, 2.  
 2-SJ (south of Satellite Island): 8/15/55-1, 2.  
 1-SJ (Mud Bay): 8/15/55-3.  
 13-SJ (Argyle Bay):  
   8/16/55-3; 7/5/60; 7/15/60-1, 2;  
   8/11/60-2; 6/22/61; 6/23/61;  
   7/8/61; 7/12/61-1, 3; 7/18/61-2;  
   8/3/61; 6/19/69.  
 1-SJ (outside False Bay):  
   8/17/55-1.  
 7-SJ (Friday Harbor lab): 8/18/55;  
   7/50; 6/23-30/60; 7/9/60;  
   7/19/60; 8/4/60-1; 6/21/67-2.  
 1-SJ (Prevost Harbor): 7/10/50-4.  
 2-SJ (Satellite Island):  
   7/10/50-5, 6.  
 1-SJ (west of Decatur Head):  
   7/24/50-1.  
 1-SJ (San Juan Island, opposite Henry Island): 7/31/50-1.  
 1-SJ (Turn Island): 7/30/61.  
 1-SJ (south of Neck Point):  
   8/14/50-1.  
 1-SJ (north of Neck Point):  
   8/14/50-2.  
 3-SJ (Mitchell Bay):  
   6/24/60; 8/16/60-1; 7/17/61-2.  
 6-SJ (Argyle Lagoon):  
   7/2/60; 7/11/60-1; 7/15/60-3;  
   7/31/60; 8/11/60-1; 7/9/73.  
 2-SJ (Squaw Bay):  
   8/1/60-1; 7/10/61-1.  
 1-SJ (Minnesota Reef): 8/4/60-2.  
 2-SJ (Westcott Bay): 8/16/60-2, 3.  
 1-SJ (White Beach): 8/16/60-4.  
 2-SJ (North Bay): 8/18/60-1, 2.  
 1-SJ (Kanaka Bay): 8/21/60.  
 1-SJ (Mosquito Pass.): 7/17/61-1.  
 2-SJ (Cattle Point):  
   8/6/61; 6/23/67-1.  
 6-SJ (Iceberg Point):  
   8/22/60-2; 6/28/61-2; 7/7/67;  
   6/30/69-1, 2, 3.  
 1-SJ (San Juan Island): 5/62.  
 4-SJ (Deadman Bay): 6/22/63;  
   6/27/67; 7/3/67; 7/11/67-1.  
 1-SJ (McArdle Bay): 8/22/60-3.  
 1-SJ (Hannah Heights): 7/6/67.  
 1-SJ (Eagle Point): 7/5/67.  
 1-SJ (Squaw-Ogden): 6/27/69.  
 1-SJ (Reed Harbor): 7/15/69-3.

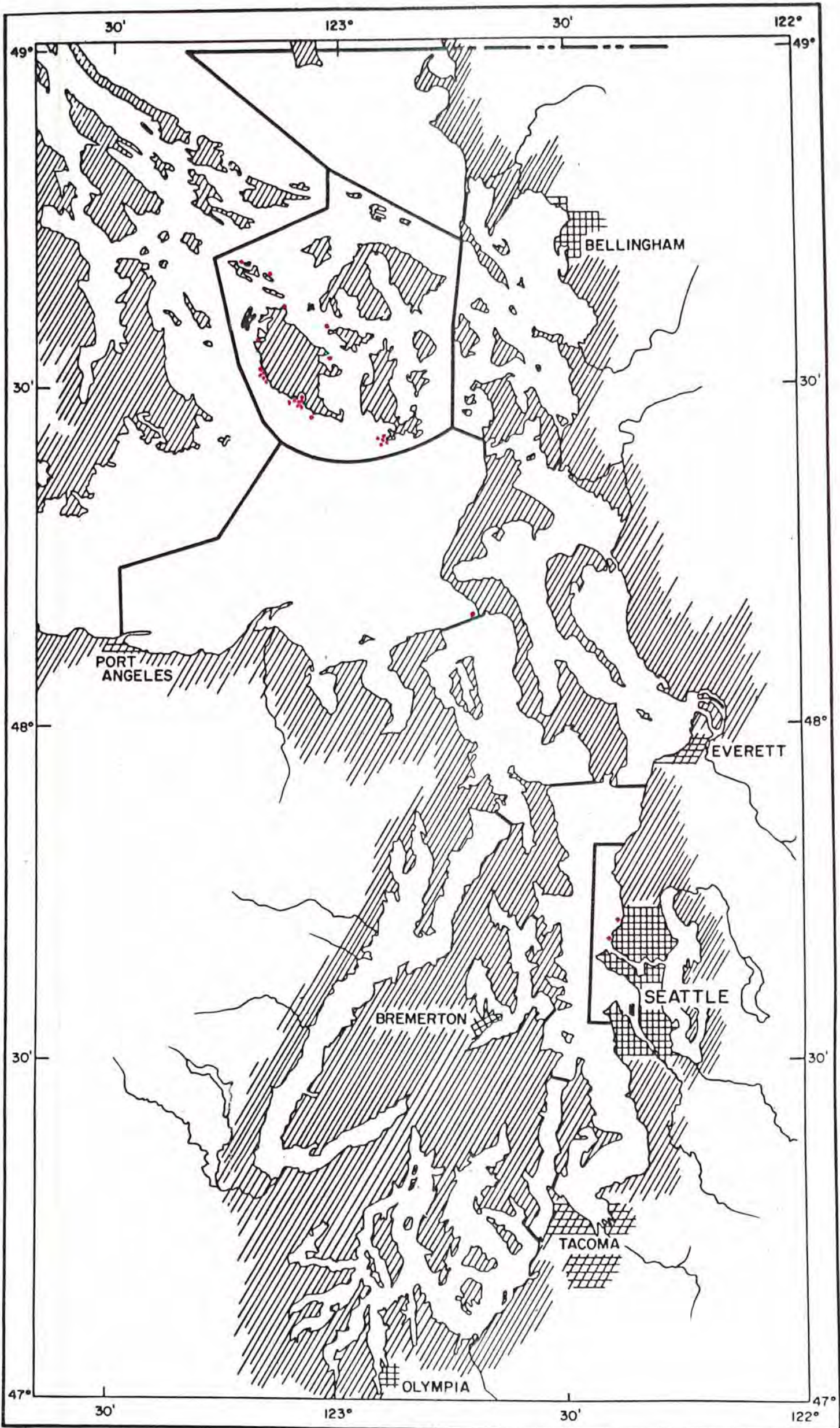
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- 1-SJ (beach seine: Fisherman Bay):  
   50330.  
 4-S (beach seine: Golden Gardens to Meadow Point):  
   5127C; 5134A; 5807B; 6417.  
 2-S (beach seine: Carkeek Park):  
   5221A; 5231A.  
 1-HC (Dabob Bay): 7112.

Miscellaneous Logs

- 1-CS (Port Madison):  
   Van Cleve, trap, 1961-65.  
 1-SS (Eld Inlet entrance):  
   Van Cleve, trap, 1961-65.  
 2-JF (beach seine: Dungeness embayment):  
   Peninsula College, 1971.  
 3-JF (beach seine: Port Angeles embayment):  
   Peninsula College, 1971.  
 1-JF (Sequim Bay):  
   Battelle, 1967-69.  
 1-CP (beach seine: Gig Harbor spit):  
   Sea Grant, 72003 (also boat 7208).  
 1-CS (beach seine: Seahurst County Park): Sea Grant, 72016.  
 2-PO (beach seine: Dyes Inlet, Tracyton launch ramp):  
   Sea Grant, 72018.  
 2-SS (beach seine: Nisqually Head):  
   Sea Grant, 1972.  
 1-HC (beach seine: above and below Big Beef Creek bridge):  
   Sea Grant, 72028.  
 2-B (beach seine: Wildcat Cove):  
   Sea Grant, 72029.  
 1-S (beach seine: north side of West Point): Sea Grant, 1973.  
 1-S (beach seine: south side of West Point): Sea Grant, 1973.  
 1-E (beach, hand collection, Mukilteo, NMFS Field Station):  
   Allyn Johnson, personal communication, 4/6/73.  
 6-HC (beach seine: above bridge at Big Beef Creek):  
   Sea Grant, 1973.  
 4-B (beach seine: Wildcat Cove):  
   Sea Grant, 1973.  
 1-SJ (northwest beach of Sucia Island):  
   Allyn Johnson, Diving, 4/2/72.







*Oligocottus rimensis*

Cottidae

Published Records

- 1-JF (Admiralty Head):  
 Evermann and Goldsborough, 1907.  
 1-SJ: Gilbert and Thompson, 1905.  
 1-SJ: Starks, 1911.  
 1-SJ: Kincaid, 1919.  
 SJ (Kanaka Bay; False Bay):  
 Schultz, 1930 (duplicated in  
 museum collection).

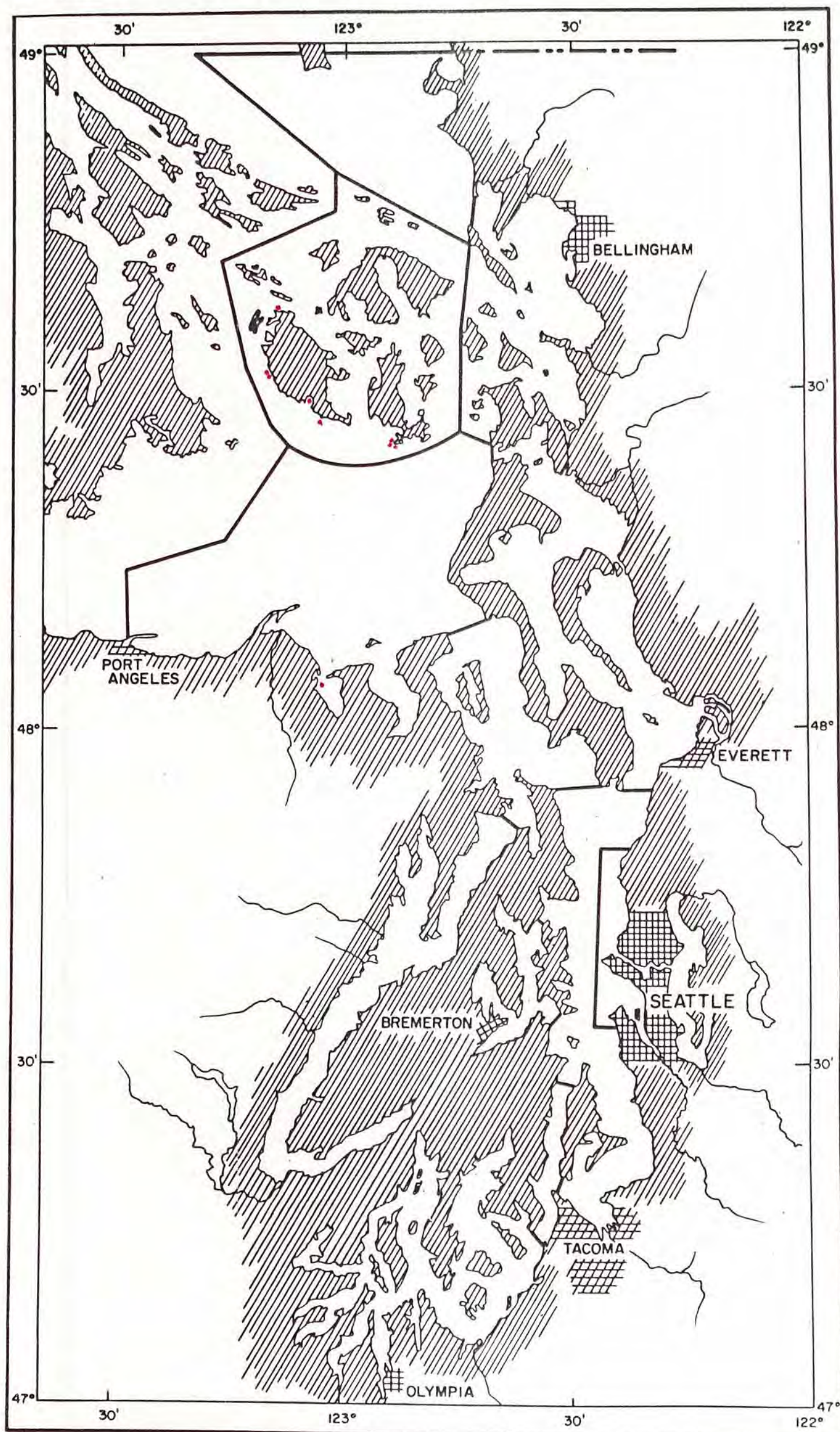
University of Washington  
Museum Collection

- 3-SJ (Kanaka Bay):  
 1079; 1141; 1249.  
 1-SJ (False Bay): 1266.  
 1-SJ (False Bay reef): 1469.  
 1-SJ (Friday Harbor): 2183.  
 1-S (beach seine: Carkeek Park):  
 8378 (also boat 5225B).  
 1-S (Golden Gardens): 11713.  
 1-SJ (Prevost Harbor): 14294 (also  
 Friday Harbor log, 8/19/52).  
 1-SJ (Deadman Cove): 17943 (also  
 Friday Harbor log, 8/2/63).

Friday Harbor Laboratory Log

- 3-SJ (Iceberg Point tidepool):  
 7/22/52-3; 8/22/60-1; 7/19/63-2.  
 2-SJ (Iceberg Point):  
 8/22/60-2; 7/7/67.  
 2-SJ (north side of Johns Island,  
 second bay): 8/19/52-1, 2.  
 1-SJ (north of Neck Point):  
 8/14/50-2.  
 2-SJ (False Bay): 8/5/60; 6/29/61.  
 1-SJ (Mitchell Bay): 8/16/60-1.  
 3-SJ (Deadman Bay):  
 6/22/63; 6/27/67; 7/11/67-1.  
 1-SJ (Limestone Point): 6/23/63.  
 1-SJ (Eagle Point): 7/5/67.







*Oligocottus snyderi*

Cottidae

University of Washington  
Museum Collection

1-SJ (Deadman Bay): 17945.

1-SJ: 17954.

1-SJ (Hannah Heights): 17995 (also  
Friday Harbor log, 8/3/63).

Friday Harbor Laboratory Log

3-SJ (Iceberg Point tidepool):  
8/22/60-1; 7/19/63-2; 7/9/73.

1-SJ (False Bay): 6/21/63.

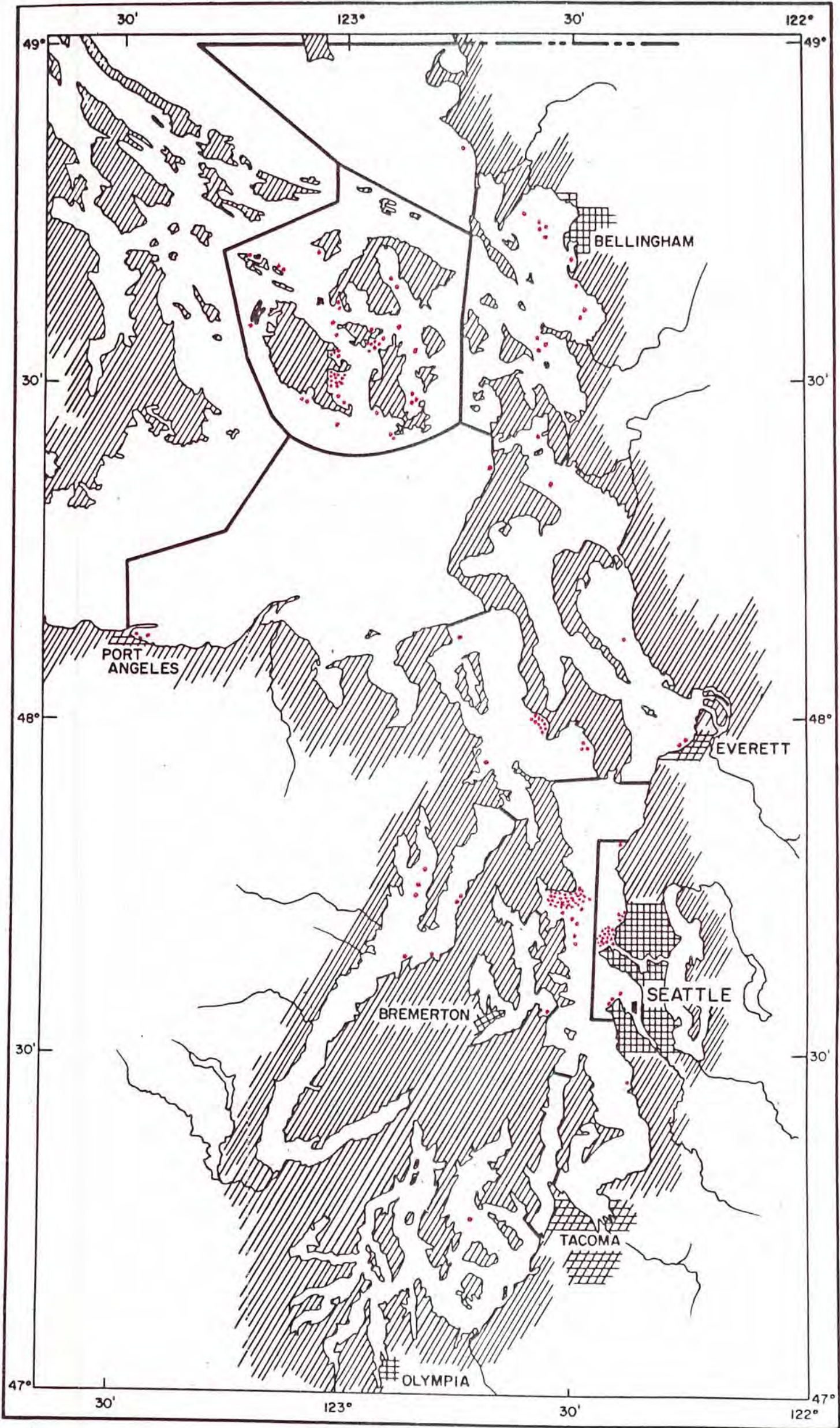
1-SJ (Deadman Bay): 6/22/63.

1-SJ (Eagle Point): 7/5/67.

Miscellaneous Logs

1-JF (Sequim Bay):  
Battelle, 1967-69.







*Psychrolutes paradoxus*

## Cottidae

Published Records

- 1-JF (Port Angeles): Jordan, 1884.  
 1-JF (beach seine: Port Angeles):  
 Gilbert, 1895.  
 1-AI (Port Ludlow): Starks, 1896b.  
 1-PO (Orchard Point):  
 Jordan and Starks, 1896.  
 1-SJ: Starks, 1911.  
 1-E (beach seine: Kiket Island):  
 Stober and Salo, 1970a.  
 1-E (Skagit and Similk Bays):  
 Stober and Salo, 1970a.  
 1-S (Duwamish Head): Salo, 1969.  
 1+-B (Bellingham Bay, north of Eliza  
 Island): Tyler, 1964.  
 36-CS (beach seine: south side of  
 Point Jefferson): Kendall, 1966.  
 1-CS (Seahurst County Park):  
 Miller, 1971a (also boat 7113 and  
 NIH, 71101).

University of Washington  
Museum Collection

- 1-AI (Port Townsend): 266.  
 1-SJ (Davis Bay): 612.  
 1-SJ (Flat Point): 681.  
 1-SJ (Madrona Cove, San Juan  
 Island): 1179.  
 2-SJ (Deer Harbor): 1222; 2969.  
 1-SJ (Lopez Island to Blakeley  
 Island): 1306.  
 1-SJ (Griffin Bay): 1762.  
 1-SJ (Brown Island): 2128.  
 1-SJ (Blind Bay): 2245.  
 1-SJ (Blakely Island to Shaw  
 Island): 2952.  
 1-AI (Useless Bay): same  
 collection: 4416, 4417, and 4418.  
 1-AI (Useless Bay): 4568.  
 3-S (Golden Gardens):  
 6139; 11598; 11611.  
 1-S (Edmonds): 8164.  
 1-S (off Golden Gardens): 14328.  
 5-S (beach seine: Golden Gardens):  
 5801 (also boat 5036A); 5909  
 (also boat 5032.1C); 5918 (also  
 boat 5032.1E); 14390 (also boat  
 5215A); 15740 (also boat 5040A).  
 1-CS (beach seine: Cultus Bay):  
 10203 and 16402 (also boat 5217).  
 1-S (beach seine: Carkeek Park):  
 14694 (also boat 5808B).  
 1-B (Chuckanut Bay): 18291.  
 2-SJ: 3539; 3563.  
 1-SJ (San Juan Island): 6209.  
 1-SJ (Prevost Harbor): 10449 (also  
 Friday Harbor log, 8/19/52).  
 1-SJ (Lopez Sound): 16683.  
 1-B (Saddlebag Island): 16694.  
 1-SJ (Upright Channel): 17205 (also  
 Friday Harbor log, 7/5/63).

Friday Harbor Laboratory Log

- 1-SJ (off Fish Creek, Cattle Point):  
 7/21/52-1.

- 11-SJ (Argyle Bay):  
 7/21/52; 7/18/61-2; 8/16/55-1, 2,  
 3; 8/11/60-3, 4; 7/12/61-3, 4;  
 7/15/63; 7/8/67.  
 1-SJ (west of Salmon Banks):  
 7/22/52-2.  
 1-SJ (off Kanaka Bay): 8/4/52-3.  
 2-SJ (north side Johns Island,  
 second bay): 8/19/52-1, 2.  
 2-SJ (Squaw Bay):  
 8/1/55; 7/10/61-1.  
 1-SJ (Upright Channel, Ogden Park):  
 8/1/55.  
 1-SJ (outside False Bay):  
 8/17/55-2.  
 1-SJ (Cowlitz Bay): 8/25/55-2.  
 1-SJ (Open Bay): 7/31/50-4.  
 1-SJ (south of Neck Point):  
 8/14/50-1.  
 1-SJ (north of Neck Point):  
 8/14/50-2.  
 2-SJ (Friday Harbor lab):  
 7/19/60; 6/67.  
 2-SJ (North Bay): 8/18/60-1, 2.  
 1-SJ (Iceberg Point): 6/28/61-2.  
 1-SJ (Squaw Bay or East Sound):  
 6/30/67.  
 1-SJ (Squaw-Ogden): 6/27/69.  
 1-SJ (Friday Harbor lab, night  
 light): 1969.

University of Washington Boat Log

- 2-SJ (training cruise area: Lopez  
 Sound, southwest of Center  
 Island): 6908I; 7118I.  
 1-HC (west of Misery Point): 7202A.  
 1-S (off Golden Gardens to Meadow  
 Point): 494A.  
 7-S (beach seine: Golden Gardens to  
 Meadow Point): 5129B; 5134A;  
 5137A; 5209C; 5214A; 5215D, I.  
 3-S (beach seine: Carkeek Park):  
 5221C; 5225B; 5231A.  
 3-HC (Dabob Bay): 7102D, E, Q.

Miscellaneous Logs

- 2-S (Duwamish Head to Alki Point):  
 U.W. Ocean., 1964-67.  
 2-E (Port Gardner Bay):  
 U.W. Ocean., P.G., 1962-67.  
 6-S (Golden Gardens to Meadow  
 Point):  
 U.W. Ocean., Hoh, 1963-68.  
 1-CS (Port Madison):  
 U.W. Ocean., Hoh, 1963-68.  
 6-CS (Skiff Point to Point  
 Jefferson): U.W. Ocean., herring  
 trawl, 1968-69.  
 1-SS (mouth of Carr Inlet): U.W.  
 Ocean., herring trawl, 1968-69.  
 1-E (Port Susan): U.W. Ocean.,  
 herring trawl, 1968-69.  
 2-AI (Useless Bay; Mutiny Bay):  
 U.W. Ocean., S.J., 1966.

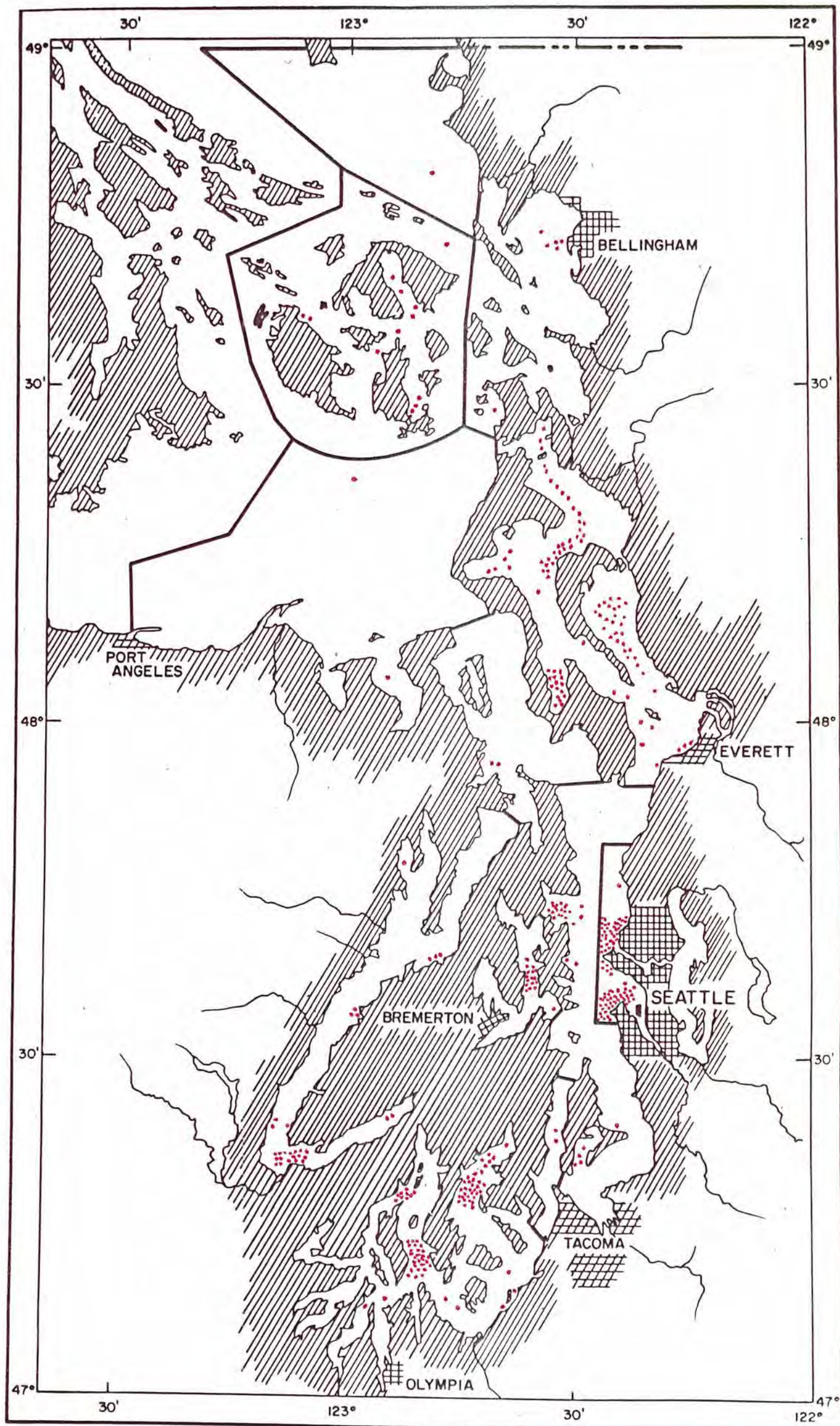
*Psychrolutes paradoxus*

Cottidae

Miscellaneous Logs

- 2-B (Padilla Bay, near William Point): U.W. Ocean., S.J., 1966.  
2-B (Bellingham Bay):  
U.W. Ocean., S.J., 1966.  
2-B (Samish Bay; Lummi Bay):  
U.W. Ocean., S.J., 1966.  
2-SJ (East Sound):  
U.W. Ocean., S.J., 1966.  
1-SJ (Canoe Island):  
U.W. Ocean., S.J., 1966.  
1-JF (beach seine: Port Angeles embayment):  
Peninsula College, 1971.  
1-GS (beach seine: south of Cherry Point): Sea Grant, 72008.  
2-AI (beach seine: Mutiny Bay):  
Sea Grant, 72011.  
8-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 1972.  
1-B (beach seine: Wildcat Cove):  
Sea Grant, 72029.  
1-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.  
1-B (Bellingham Bay, off Nooksack River flats): Sea Grant, 73032.  
1-SJ (Argyle Bay): Bruce Miller,  
Diving log, 7/20/66.  
1-B (northern Bellingham Bay):  
Sea Grant, 72004.  
1-JF (beach seine: West Beach):  
Sea Grant, 72017.  
2-HC (Bangor Wharf): Kramer, Chin,  
and Mayo NCEL Survey, 1973.







*Radulinus asprellus*

## Cottidae

Published Records

- 1-S (Seattle):  
Jordan and Starks, 1896.  
2-AI (north of Tala Point; northwest  
of Tala Point):  
Evermann and Goldsborough, 1907.  
1-S (Seattle):  
Evermann and Goldsborough, 1907.  
2-HC (Hoodsport; Quilcene Bay):  
Smith, 1937.  
1-E (Columbia Beach): Smith, 1937.  
1-E (Langley):  
Smith, 1937 (also museum 14292).  
2-E (Gedney Island): Smith, 1937.  
1-SS (Carr Inlet):  
Smith, 1937 (also museum 4255).  
1-SS (McNeil Island): Smith, 1937.  
16-S (Duwamish Head): Salo, 1969.  
13-E (Skagit Bay): Salo, 1969.

University of Washington  
Museum Collection

- 1-SJ (Olga): 1973.  
1-SJ (Rocky Bay): 2144.  
1-SJ (Rocky Point, San Juan Island):  
2209.  
1-E (Saratoga Pass., Sandy Point):  
2664.  
1-E (Port Susan): 2938.  
1-HC (near Hoodsport): 3767.  
1-E (Mukilteo): 4254.  
1-SJ (East Sound or Upright  
Channel): 4541.  
1-S (Richmond Beach): 5114.  
1-SS (off Budd Inlet):  
5660 (also boat 7/20/49-4).  
1-SS (off McLane Cove):  
5666 (also boat 7/20/49-3).  
1-SS (northwest end of Nisqually  
Reach):  
5674 (also boat 7/20/49-5).  
1-SJ (west of Ram Island):  
5754 (also boat 491P).  
1-HC (opposite Hoodsport):  
5778 (also boat 499F).  
1-S (off Golden Gardens):  
5857 (also boat 5034D).  
2-S (Golden Gardens): 6165; 14293.  
1-CS (Port Madison):  
7332 (also boat 1/22/49-1).  
1-SJ (Flat Point): 2270.  
1-SJ (East Sound): 17072 (also  
Friday Harbor log, 6/20/63).

Friday Harbor Laboratory Log

- 1-SJ (north of Hunter Bay):  
6/19/50-5 (also boat 5033G).  
1-SJ (off northwest of Barnes  
Island):  
6/20/50-3 (also boat 5033J).  
1-JF (west of McArthur Bank):  
8/3/55-1 (also boat 5520A).  
1-SJ (north of Upright Head):  
8/22/55-1.

- 1-SJ (Upright Head to Olga):  
8/1/60-2.

University of Washington Boat Log

- 1-JF (Discovery Bay): 5318A.  
1-SJ (East Sound): 5033M.  
1-SJ (training cruise area: Lopez  
Sound, southwest of Center  
Island): 7017I.  
1-B (Burrows Bay): 5033S.  
1-B (Bellingham Bay): 6822G.  
3-B (training cruise area: southwest  
of Post Point):  
6717G; 6815G; 6819G.  
1-E (Penn Cove mouth, off Long Point  
to off Snatelum Point): 5220E.  
2-E (off Oak Harbor to Blower  
Bluff): 5220F, N.  
1-E (north end of Saratoga Pass.):  
5220M.  
1-E (Holmes Harbor, Rocky Point to  
Dines Point): 5220 O.  
2-E (Holmes Harbor, south of  
Classic): 5316E; 5501C.  
2-E (Holmes Harbor): 5327B; 5405D.  
1-E (Saratoga Pass., Snatelum Point  
to Onamac Point): 5418H.  
1-E (in Elger Bay): 5418I.  
1-E (Holmes Harbor, Dines Point to  
Classic): 5501D.  
2-E (Penn Cove): 5613W, X.  
1-E (off Mission Bay): 5023E.  
1-E (Port Susan, off Kayak Point):  
6702C.  
3-HC (Anderson Cove): 7009A, B, D.  
4-CS (Port Madison):  
1/22/49-2, 3; 5122A; 5132D.  
3-CS (mouth of Quartermaster  
Harbor): 5042A; 5104B, H.  
1-CS (mid Quartermaster Harbor):  
5042D.  
2-CS (off Port Madison): 5043B, C.  
1-CS (Tramp Harbor): 5104A.  
2-CS (off Agate Pass.):  
5310.2F; 5317C.  
1-CS (east of Point Monroe): 5805C.  
1-CS (Murden Cove): 6818B.  
1-CS (off Murden Cove): 6906I.  
1-PO (off Fletcher Bay): 5413C.  
1-PO (Rich Pass.): 5616.  
1-PO (Seabold to Fletcher Bay):  
5310.5C.  
13-S (off Golden Gardens to Meadow  
Point): 494B, C; 498B; 4910A;  
5017C; 5033A; 5119C; 5129C, D;  
5131C; 5132A; 5233D; 5314A.  
4-S (off Meadow Point to Carkeek  
Park): 5039C; 5041B; 5212E, F.  
1-CP (south of Sandford Point):  
7/18/49-1.  
1-CP (off Paradise Cove to Point  
Sandford): 5126N.  
4-SS (off Glen Cove to off Raft and  
Cutts Islands):  
5101B; 5126M; 5213D; 5227B.



*Radulinus asprellus*

## Cottidae

University of Washington Boat Log

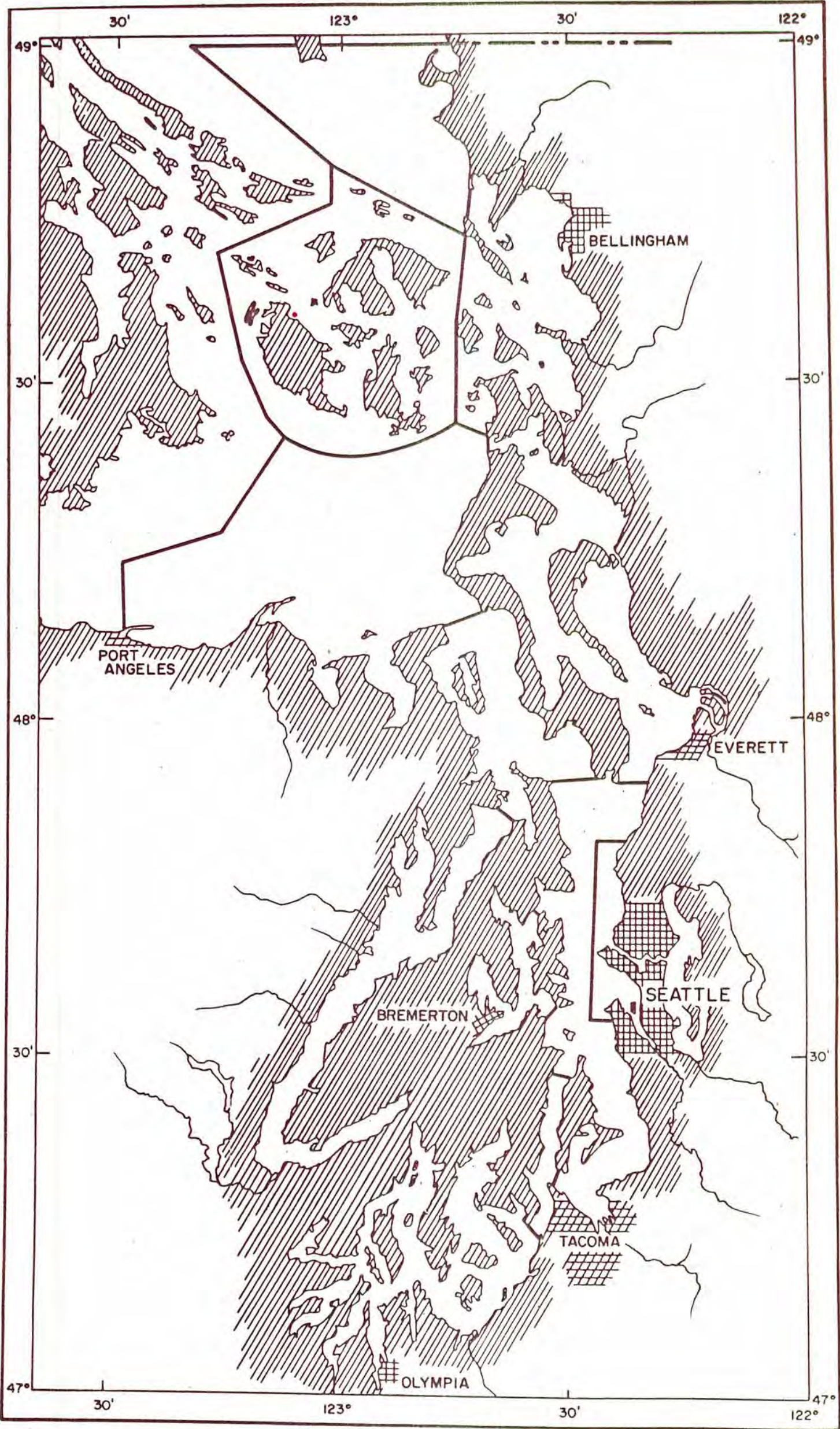
- 4-SS (off Minter Creek to Elgin,  
Carr Inlet):  
5135A, C, D; 5227I.
- 2-SS (Carr Inlet): 5522C; 5605B.
- 1-SS (Nisqually Reach, south of  
Treble Point): 5009I.
- 1-SS (north end of Pickering Pass.):  
5009H.
- 1-SS (off Minter Creek, Carr Inlet):  
7/19/49-1.
- 1-SS (off Wauna): 5104G.
- 1-SS (trap area, Eld Inlet):  
6217-2.
- 1-SS (mid-channel, Glen Cove to  
Green Point): 6724B-1.
- 1-GS (north of Alden Bank): 491G.

Miscellaneous Logs

- 32-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.
- 3-S (Meadow Point):  
U.W. Ocean., 1964-67.
- 3-E (Port Gardner Bay):  
U.W. Ocean., F.G., 1962-67.
- 9-PO (south of Fletcher Bay):  
U.W. Ocean., F.O., 1964-65.
- 11-S (Golden Gardens to Meadow  
Point):  
U.W. Ocean., Hoh, 1963-68.
- 6-PO (south and north of Fletcher  
Bay): U.W. Ocean., Hoh, 1963-67.
- 2-HC (Lynch Cove; Seabeck):  
U.W. Ocean., Hoh, 1963-67.
- 24-SS (Case Inlet, off Taylor Bay to  
off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.
- 19-SS (Carr Inlet, off Horsehead  
Bay): U.W. Ocean., Hoh, 1963-67.
- 8-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 24-E (Port Susan):  
U.W. Ocean., Hoh, 1963-67.
- 8-E (off Rocky Point to Utsalady  
Point):  
U.W. Ocean., Hoh, 1963-67.
- 8-E (Saratoga Pass., off Demock  
Point):  
U.W. Ocean., Hoh, 1963-67.
- 8-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.
- 1-B (Bellingham Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Utsalady):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Susan):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Holmes Harbor):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-HC (off Big Beef Harbor):  
Sea Grant, 1972.
- 8-S (off northwest side of West  
Point): Sea Grant, 1973.
- 6-S (off southwest side of West  
Point): Sea Grant, 1973.

- 1-S (north of Meadow Point to  
Carkeek Park): Sea Grant, 1973.
- 6-S (southwest of Alki Point):  
Sea Grant, 1973.
- 3-S (deep otter trawl: off southwest  
of Alki Point): Sea Grant, 1973.
- 1-HC (off southwest of Big Beef  
Harbor): Sea Grant, 1973.
- 7-SS (mid-channel, McLane Cove to  
Stretch Island):  
Sea Grant, 1973-74.
- 5-HC (off Union): Sea Grant, 1973.
- 6-HC (mid-channel, off Union):  
Sea Grant, 1973-74.
- 4-HC (off Skokomish River delta):  
Sea Grant, 1973.
- 3-HC (mid-channel, off Skokomish  
Flats): Sea Grant, 1973-74.
- 1-SS (Cormorant Pass.):  
Sea Grant, 73059.
- 1-SS (Tatsolo Point):  
Sea Grant, 73059.







*Radulinus boleoides*

Cottidae

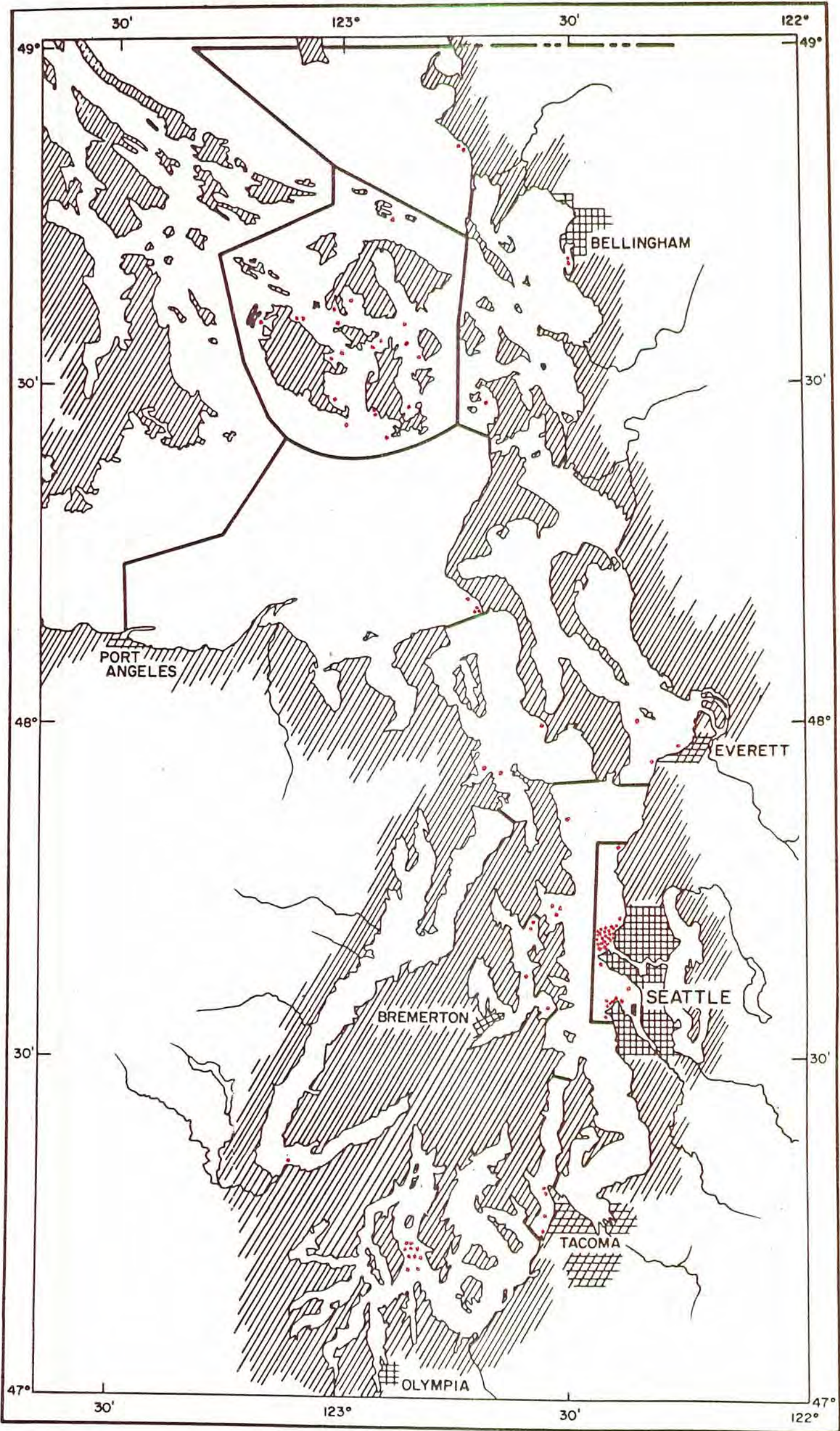
Published Records

- 1-SJ: Starks, 1911.  
1-PS: Kincaid, 1919.

University of Washington  
Museum Collection

- 1-SJ (O'Neal Island): 14318.







*Rhamphocottus richardsoni*

## Cottidae

Published Records

- 1-PO (Orchard Point):  
 Jordan and Starks, 1896.  
 1-AI (Port Ludlow): Starks, 1896b.  
 3-JF (off Admiralty Head):  
 Evermann and Goldsborough, 1907.  
 1-AI (mouth of Hood Canal):  
 Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-SJ: Shelford et al., 1935.  
 1-SJ (San Juan Channel, Friday  
 Harbor):  
 Wismer and Swanson, 1935.  
 1-E (Gedney Island): Smith, 1937.  
 3-S (Duwamish Head): Salo, 1969.

University of Washington  
Museum Collection

- 1-SJ (Flat Point): 704.  
 1-SJ (near Davis Bay): 1183.  
 1-SJ (Deer Harbor): 1219.  
 1-SJ (Wasp Pass.): 1743.  
 1-SJ (Griffin Bay): 1744.  
 1-SJ (Sucia Island): 1745.  
 1-SJ (Rocky Bay): 2145.  
 1-SJ (Davis Bay): 2165.  
 1-SJ (Rocky Point, San Juan Island):  
 2210.  
 1-PS: 2329.  
 1-S (North Beach): 4685.  
 1-SJ: 4993.  
 1-CS (Port Madison, Indianola):  
 6128.  
 1-S (beach seine: Golden Gardens):  
 8117 (also boat 5215A).  
 1-S (Elliott Bay): 10216.  
 1-E (Everett boat house): 14241.  
 1-S (off Golden Gardens): 14327.  
 1-PO (Agate Pass.): 14340.  
 2-CP (off Point Defiance):  
 14341; 16390.  
 1-CP (Tacoma Narrows): 15194.  
 1-B (Chuckanut Bay): 18289.  
 1-JF (Port Townsend, Ebey's landing):  
 16394.

Friday Harbor Laboratory Log

- 1-SJ (north of Hunter Cove):  
 6/19/50-3 (also boat 5033E).  
 1-SJ (Salmon Banks): 8/14/52.  
 1-SJ (Friday Harbor): 6/21/55-2.  
 1-SJ (east of Willow Island):  
 6/24/55-3.  
 1-SJ (Upright Head to Obstruction  
 Pass.): 8/22/55-4.  
 1-SJ (Upright Channel, Ogden Park):  
 8/22/55-8.  
 1-SJ (West Sound): 8/13/60-2.  
 1-SJ (Iceberg Point): 6/28/61-2.  
 1-SJ: 7/14/67.

University of Washington Boat Log

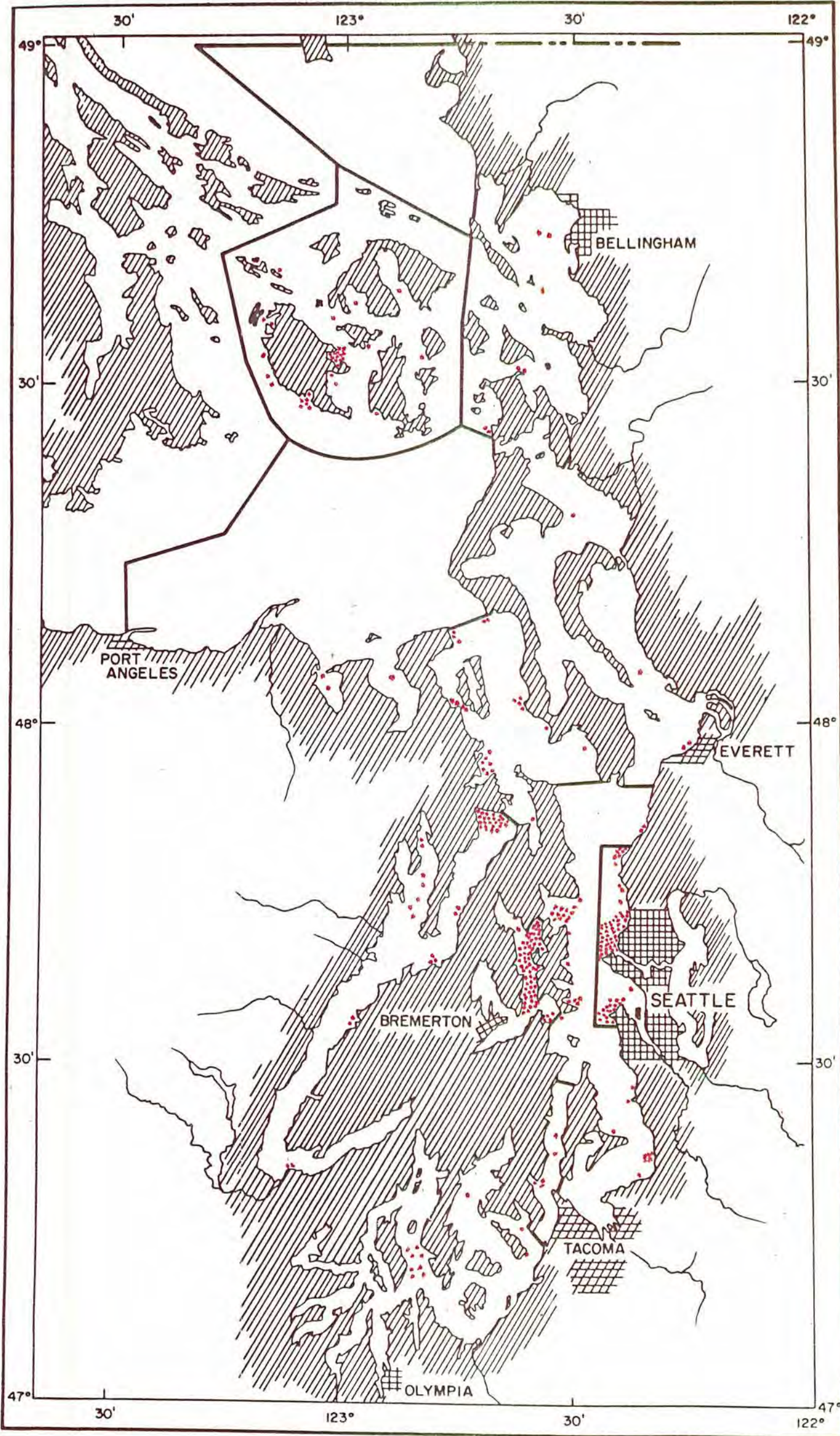
- 1-SJ ("West Blakely" shoal, east of  
 Humphrey Head): 5033N.

- 1-B (Burrows Bay): 5033S.  
 1-PO (Agate Pass.): 5132C.  
 1-PO (Rich Pass.): 5603D.  
 1-S (off Meadow Point to Carkeek  
 Park): 4/16/49-3.  
 6-S (off Golden Gardens to Meadow  
 Point): 4/16/49-4; 494B; 5112E;  
 5119C; 5920A; 6018A.  
 2-S (beach seine: Golden Gardens to  
 Meadow Point): 5032.1A; 5134A.

Miscellaneous Logs

- 3-S (Duwamish Head to Alki Point):  
 U.W. Ocean., 1964-67.  
 1-E (Port Gardner Bay):  
 U.W. Ocean., P.G., 1962-67.  
 1-PO (south of Fletcher Bay):  
 U.W. Ocean., P.O., 1964-65.  
 13-S (Golden Gardens to Meadow  
 Point):  
 U.W. Ocean., Hoh, 1963-68.  
 10-SS (Case Inlet, off Taylor Bay to  
 off Whiteman Cove):  
 U.W. Ocean., Hoh, 1963-67.  
 1-CS (Port Madison):  
 U.W. Ocean., Hoh, 1963-68.  
 1-CS (Pilot Point):  
 U.W. Ocean., Hoh, S.J., 1966.  
 1-B (Chuckanut Bay):  
 Al Milbun, Diving, 11/19/61.  
 1-CS (Port Madison):  
 Van Cleve, trap, 1961-65.  
 1-S (Golden Gardens): Bruce Miller,  
 Diving log, 5/11/63.  
 2-GS (south of Cherry Point):  
 Sea Grant, 72019.  
 1-S (off southwest side of West  
 Point): Sea Grant, 1973.  
 1-S (southwest of Alki Point):  
 Sea Grant, 1973.  
 1-HC (off Union): Sea Grant, 1973.  
 1-AI (Mutiny Bay):  
 Sea Grant, 73049.  
 1-S (Edmonds wreck):  
 Bill High, Diving, 1962.  
 1-CP (Day Island):  
 S.L. Ralston, Diving log, 1971.







*Scorpaenichthys marmoratus*

## Cottidae

Published Records

1-PS: Jordan and Gilbert, 1882.  
 1-CS (Meadowdale):  
     Schultz and DeLacy, 1935-36.  
 1-HC (Holly):  
     Schultz and DeLacy, 1935-36.  
 2-B (Bellingham Bay): Smith, 1936.  
 1-JF (Sequim Bay): Smith, 1936.  
 2-HC (Bangor; Dabob Bay):  
     Smith, 1936.  
 1-SS (Hale Pass.): Smith, 1936.  
 1-S (Duwamish Head): Salo, 1969.  
 1-S (Seattle): Jamison, 1966.  
 1-SJ (Friday Harbor): Lloyd, 1936.  
 1-SJ (Friday Harbor):  
     Kohlruss, 1933.  
 1-CS (Seahurst County Park):  
     Miller, 1971a (also boat 7113 and  
     NIH 71101).

University of Washington  
Museum Collection

1-SJ (Squaw Bay): 559.  
 1-SJ (Davis Bay): 611.  
 7-S (Alki Point): 657; 749; 785;  
     821; 871; 930; 1922.  
 2-S (Golden Gardens): 771; 779.  
 1-S (Seattle): 834.  
 2-SJ (False Bay): 1268; 14302 (also  
     Friday Harbor log, 8/4/52-1).  
 1-SJ (False Bay reef): 1479.  
 3-SJ (Friday Harbor):  
     2108; 2184; 11608.  
 1-CS (Redondo Beach): 5317.  
 1-CS (north side of Maury Island):  
     6130.  
 1-PS: 6152.  
 1-CS (Port Madison, Indianola):  
     6167.  
 2-S (beach seine: Golden Gardens):  
     5772 (also boat 5001); 5807 (also  
     boat 5036A).  
 1-AI (Useless Bay): 8143.  
 1-SJ (north side of Johns Island,  
     second bay): 14344 (also Friday  
     Harbor log, 8/19/52-2).  
 5-S (Alki Point):  
     4332; 4484; 4884; 4888; 5134.  
 4-S (North Beach):  
     4497; 4631; 4644; 4694.  
 2-S (beach seine: Alki Point):  
     4510; 4490.  
 1-S (beach seine: spit near Ballard  
     Locks): 4609 and 4607.  
 5-S (Edmonds):  
     4940; 5287; 5448; 4480; 5500.  
 1-S (Edwards Point to Point Wells):  
     4982.  
 1-S (Carkeek Park): 5559.  
 6-S (beach seine: Golden Gardens):  
     8856 (also boat 5007D); 10169  
     (also boat 5209C); 14335 (also  
     boat 5129B); 15739; 2-16399 (also  
     boat 5137A, B).  
 1-S (beach seine: Carkeek Park):  
     10200 (also boat 5225A).

1-S (Richmond Beach): 1174.  
 1-SJ (Deadman Bay): 17949.  
 1-PO (off Fletcher Bay):  
     200541 (also boat 6006B).

Friday Harbor Laboratory Log

1-SJ (West Sound): 6/23/51.  
 1-SJ (False Bay): 8/4/52-2.  
 7-SJ (Friday Harbor lab):  
     8/2/52; 7/30/52; 7/31/52; 8/9/52;  
     7/7/52; 7/50; 7/17/50-6.  
 1-SJ (east of Willow Island):  
     6/24/55-3.  
 1-SJ (White Point): 6/25/55-1.  
 1-SJ (Garrison Bay): 6/25/55-3.  
 1-SJ (outside False Bay):  
     8/17/55-2.  
 2-SJ (False Bay):  
     7/17/50-6B; 8/5/60.  
 1-SJ (North Bay): 8/18/60-2.  
 1-SJ (Argyle Bay): 6/23/61.  
 1-SJ (Smallpox Bay): 7/13/61.  
 1-SJ (Friday Harbor lab, night  
     light): 1969.

University of Washington Boat Log

4-HC (Dabob Bay): 7102A, H, N, P.  
 2-HC (Dabob Bay, Broad Spit to Long  
     Spit): 7202D, G.  
 4-CS (Port Madison): 2/5/49-1;  
     3/25/49-3; 6/30/49; 5131B.  
 1-CS (beach seine: south of Fay  
     Bainbridge State Park): 5806B.  
 1-CS (Murden Cove): 6906C.  
 16-PO (Agate Pass., buoy N4-N6):  
     2/5/49-2, 3; 2/22/49-3, 4;  
     3/25/49-1, 2; 5006A; 5048A;  
     5106E; 5131A; 5132C; 5206A;  
     5310.1B, .3D; .4F; 6617B.  
 4-PO (south part of Agate Pass.):  
     495C; 4910B; 5011C; 5207G.  
 5-PO (off Fletcher Bay to south of  
     Battle Point and Brownsville):  
     5226B; 6100; 6106; 6111A; 6202.5.  
 2-PO (off south of Fletcher Bay):  
     5229C; 5413E.  
 9-PO (off Manzanita to off Seabold):  
     5236B; 5310.1C, .2B, .2C, .2D, .4A,  
     .5B, .5E; 6215A.  
 2-PO (off Battle Point and north):  
     5310.1A; 5422G.  
 1-PO (in Manzanita Bay): 5310.3C.  
 1-PO (Point Bolin to Keyport):  
     5310.4D.  
 3-PO: 6007A; 6407.2; 6429.1.  
 1-PO (off Seabold wharf): 6617A.  
 26-S (off Golden Gardens to Meadow  
     Point): 4/16/49-5; 494B; 495D;  
     496C; 498A; 5007B; 5008B; 5009K;  
     5011D; 5028C; 5034B; 5039D;  
     5110E,F; 5127B; 5132A,B; 5203C;  
     5329A,D; 5521A; 5616A; 6010B,D;  
     6018A; 6112C.

*Scorpaenichthys marmoratus*

## Cottidae

University of Washington Boat Log

- 3-S (beach seine: Carkeek Park):  
5022A; 5225B; 5708A.
- 2-S (off Meadow Point to Carkeek  
Park): 5212A; 7120A.
- 1-S (Meadow Point to Richmond  
Beach): 6429A.
- 29-S (beach seine: Golden Gardens to  
Meadow Point): 5015A; 5021F;  
5024A,C,D; 5032.1A,C; 5105A,B;  
5108C; 5112G; 5114A,B,D; 5116E,  
G1; 5134A; 5208A; 5215B,K; 5329E;  
5424B; 5508C; 5710D; 6014B;  
6207C; 6211; 6310; 6417.
- 1-E (off north of Tulalip Bay, Port  
Susan): 7/1/49-2.
- 1-CP (off Camp Sealth): 5104CC.
- 1-CP (off Paradise Cove to Point  
Sandford): 5126N.
- 1-HC (Anderson Cove): 7009C.

Miscellaneous Logs

- 6-JF: Bill High, Diving, personal  
communication, 10/22/63.
- 4-B (Anacortes and Rosario Head):  
Bill High, Diving, personal  
communication, 10/22/63.
- 3-AI (Port Townsend):  
Bill High, Diving, personal  
communication, 10/22/63.
- 2-AI (Hadlock): Bill High, Diving,  
personal communication, 10/22/63.
- 3-AI (Indian Island bridge):  
Bill High, Diving, personal  
communication, 10/22/63.
- 1-AI (Port Gamble):  
Bill High, Diving, personal  
communication, 10/22/63.
- 1-AI (Keystone): Bill High, Diving,  
personal communication, 10/22/63.
- 24-HC (Sisters Rock and near Hood  
Canal bridge):  
Bill High, Diving, personal  
communication, 10/22/63.
- 1-HC: Bill High, Diving, personal  
communication, 10/22/63.
- 3-CS (Blakely Rock):  
Bill High, Diving, personal  
communication, 10/22/63.
- 7-CS (Salt Water State Park):  
Bill High, Diving, personal  
communication, 10/22/63.
- 1-SS (Fox Island):  
Bill High, Diving, personal  
communication, 10/22/63.
- 7-AI (Port Ludlow):  
Bill High, Diving, personal  
communication, 10/22/63.
- 1-S (Richmond Beach): A.C. DeLacy,  
personal communication, 1956.
- 1-S (Alki Point): A.C. DeLacy,  
personal communication, 1957.
- 1-PO (near southwest end of  
Bainbridge Island): A.C. DeLacy,  
personal communication, 1959.

- 1-E (Skagit and Similk Bays):  
WSDF, Sport Fish., 1965-70.
- 4-AI (off Bush Point):  
WSDF, Sport Fish., 1965-70.
- 2-HC: WSDF, Sport Fish., 1965-70.
- 2-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.
- 2-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.
- 30-PO (south of Fletcher Bay):  
U.W. Ocean., P.O., 1964-65.
- 13-S (Golden Gardens to Meadow  
Point):  
U.W. Ocean., Hoh, 1963-68.
- 8-PO (south and north of Fletcher  
Bay): U.W. Ocean., Hoh, 1963-67.
- 8-SS (Case Inlet, off Taylor Bay to  
off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Carr Inlet, off Horsehead  
Bay): U.W. Ocean., Hoh, 1963-67.
- 7-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 1-JF (Port Discovery):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-B (Eliza Rock):  
Al Milbun, Diving, 3/25/61.
- 1-SJ (East Sound, south of Rosario  
Point): NIH, 1964-66.
- 4-S (Golden Gardens to Carkeek  
Park): NIH, 1968-71.
- 1-JF (Sequim Bay):  
Battelle, 1967-69.
- 1-S (Edmonds ferry): Bruce Miller,  
Diving Log, 10/11/64.
- 1-SJ (McDonald Island): Bruce  
Miller, Diving Log, 8/15/65.
- 1-SJ (Edwards Reef, west-central San  
Juan Island): Bruce Miller,  
Diving log, 8/16/66.
- 1-CS (Point Pully): Bruce Miller,  
Diving log, 5/10/68.
- 1-S (Alki Point): Bruce Miller,  
Diving log, 5/17/68.
- 1-CS (Port Blakely): Bruce Miller,  
Diving log, 5/24/68.
- 1-PO (Fletcher Bay): Bruce Miller,  
Diving log, 6/25/69-2.
- 1-PO (Orchard Rocks): Bruce Miller,  
Diving log, 6/25/69.
- 3-PO (Clam Bay):  
Bruce Miller, Diving log,  
6/12/70; 7/1/70; 9/4/70.
- 2-S (Golden Gardens): S.L. Ralston,  
Diving log, 1971.
- 1-S (south of Carkeek Park):  
Sea Grant, 3/17/71.
- 1-CP (beach seine: Gig Harbor spit):  
Sea Grant, 72003 (also boat  
7208).
- 1-CP (off Gig Harbor spit): Sea  
Grant, 72003 (also boat 7208).
- 1-CP (in Gig Harbor): Sea Grant,  
72003 (also boat 7208).
- 1-AI (beach seine: Mutiny Bay launch  
ramp): Sea Grant, 72011.



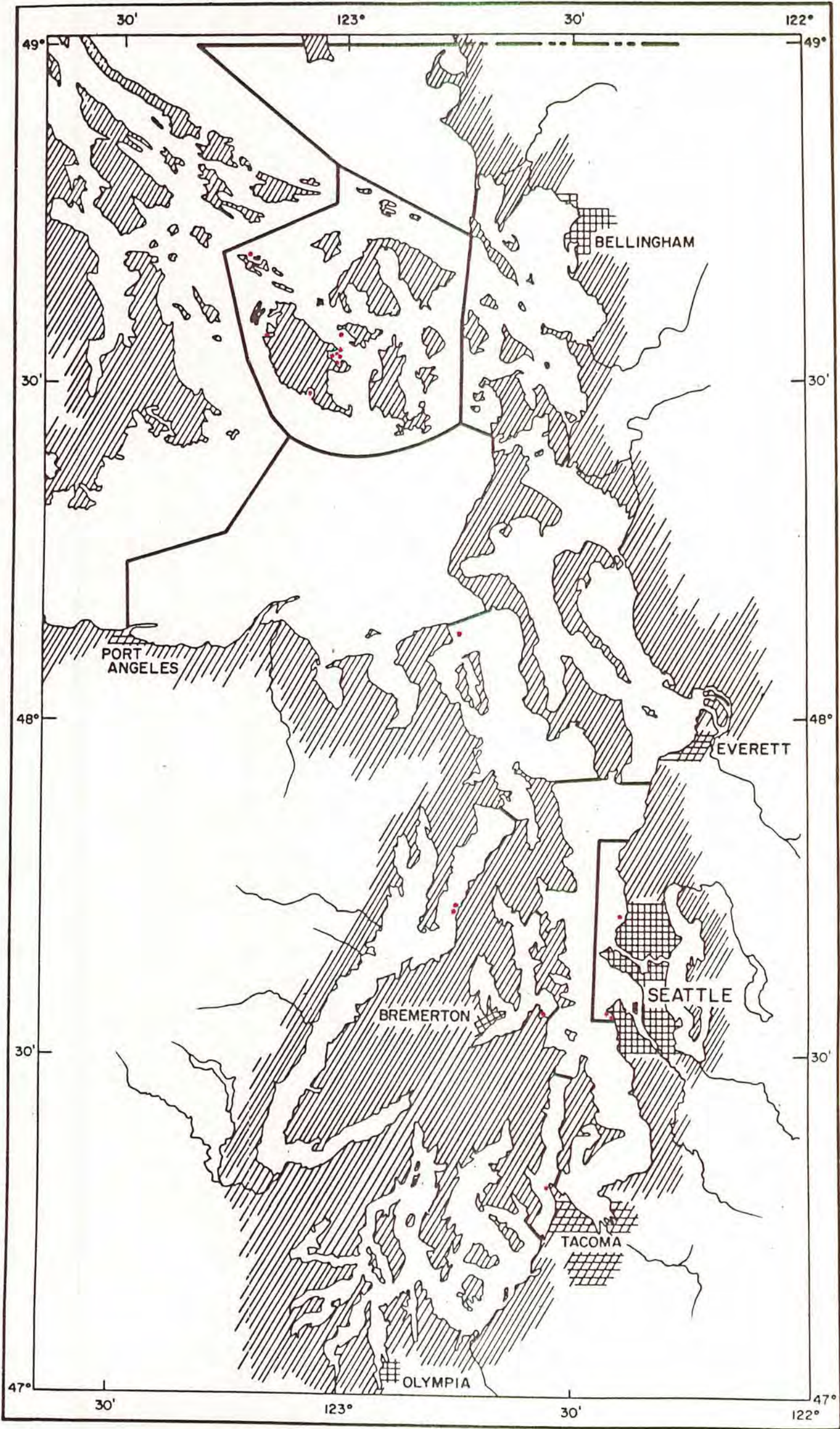
*Scorpaenichthys marmoratus*

Cottidae

Miscellaneous Logs

- 1-S (southwest of Alki Point):  
Sea Grant, 1973.
- 3-HC (off southwest of Big Beef  
Harbor): Sea Grant, 1973.
- 2-HC (off Union):  
Sea Grant, 1973-74.
- 1-HC (Bangor Annex): Kramer, Chin,  
and Mayo NCEL Survey, 1973.
- 1-AI (Admiralty Head):  
Doug Olander, Sport Catch log,  
1972-73.
- 1-CS (Jefferson Head):  
Bill High, Diving, 2/22/74.
- 1-S (Carkeek Park):  
Bill High, Diving, 1/74.







*Synchirops gilli*

Cottidae

Published Records

- 1-SJ (Friday Harbor dock):  
Walker, 1953.
- 1-SJ (Brown Island, in kelp):  
Walker, 1953.
- 1-AI (Port Townsend):  
Evermann and Goldsborough, 1907.
- 1-SJ (Friday Harbor): Chapman and  
DeLacy, 1933 (also museum 2185).
- 1-SJ (False Bay):  
Schultz, 1930 (also museum 1338).

University of Washington  
Museum Collection

- 1-S (North Beach): 5038.
- 1-SJ (Prevost Harbor): 10451 (also  
Friday Harbor log, 8/19/52).
- 1-CP (Point Defiance dock): 14253.
- 1-S (West Seattle): 15519.

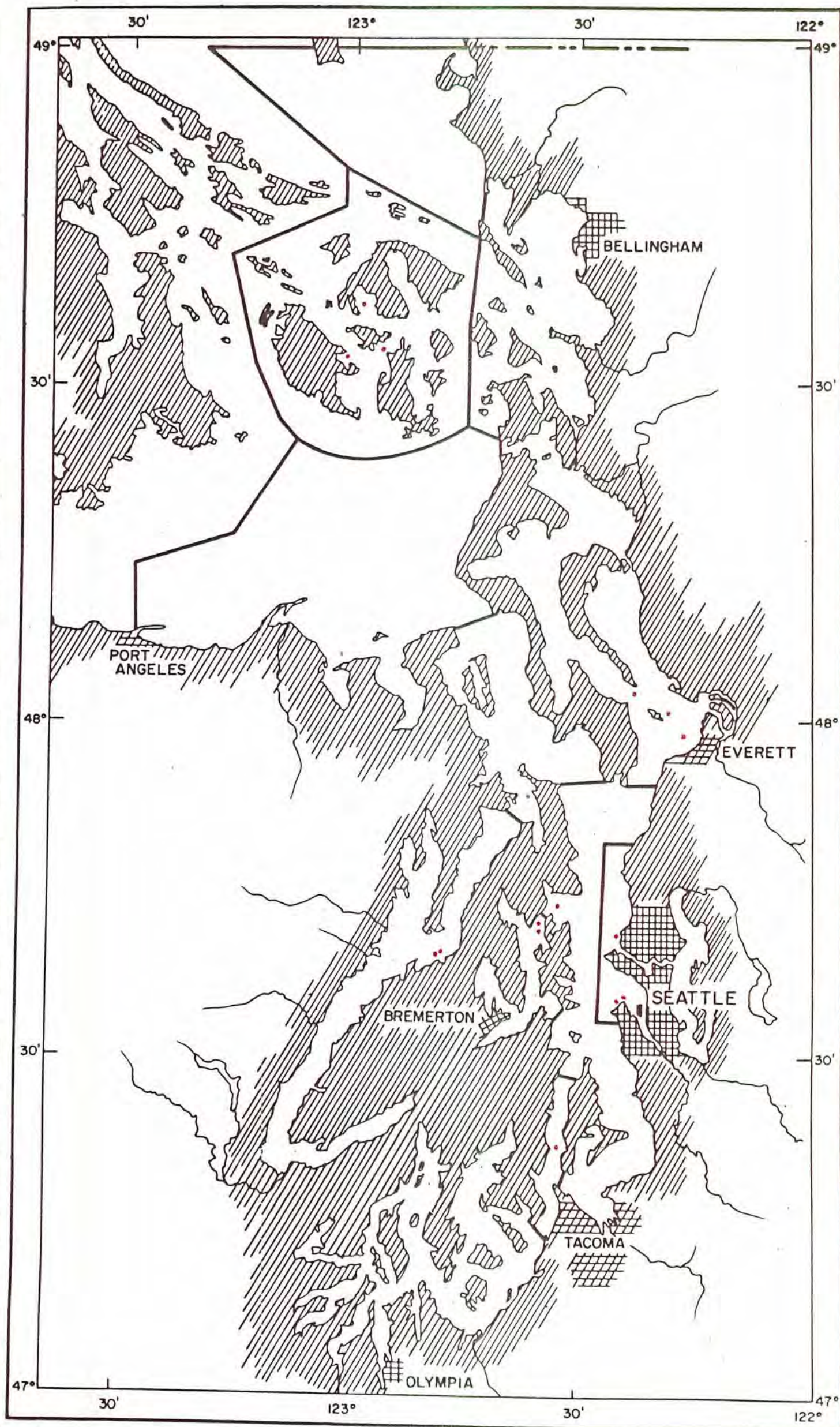
Friday Harbor Laboratory Log

- 1-SJ (south of Neck Point):  
8/14/50-1.
- 1-SJ (Mitchell Bay): 8/16/60-1.
- 1-SJ (Friday Harbor lab, night  
light): 6/26/69.
- 1-SJ (Brown Island): 8/19/69-1.

Miscellaneous Logs

- 1-PO (Clam Bay, in floating salmon  
pen): A.C. DeLacy, personal  
communication, 2/6/73.
- 1-S (southwest of Alki Point):  
Sea Grant, 1973.
- 2-HC (Bangor Annex): Kramer, Chin,  
and Mayo NCEL Survey, 1973.







*Triglops macellus*

Cottidae

Published Records

- 1-PS: Starks, 1911.
- 1-PS: Kincaid, 1919.
- 1-SJ (Flat Point): Chapman and  
DeLacy, 1933 (also museum 2217).
- 1-E (Saratoga Pass., Camano Head):  
Chapman and DeLacy, 1933 (also  
museum 2545).
- 1-S (Duwamish Head): Salo, 1969.

University of Washington  
Museum Collection

- 1-E (east of Gedney Island): 2562.
- 1-E (off Everett): 2942.
- 1-SJ (Friday Harbor): 3053.
- 1-CP (off Camp Sealth):  
7342 (also boat 5104CC).

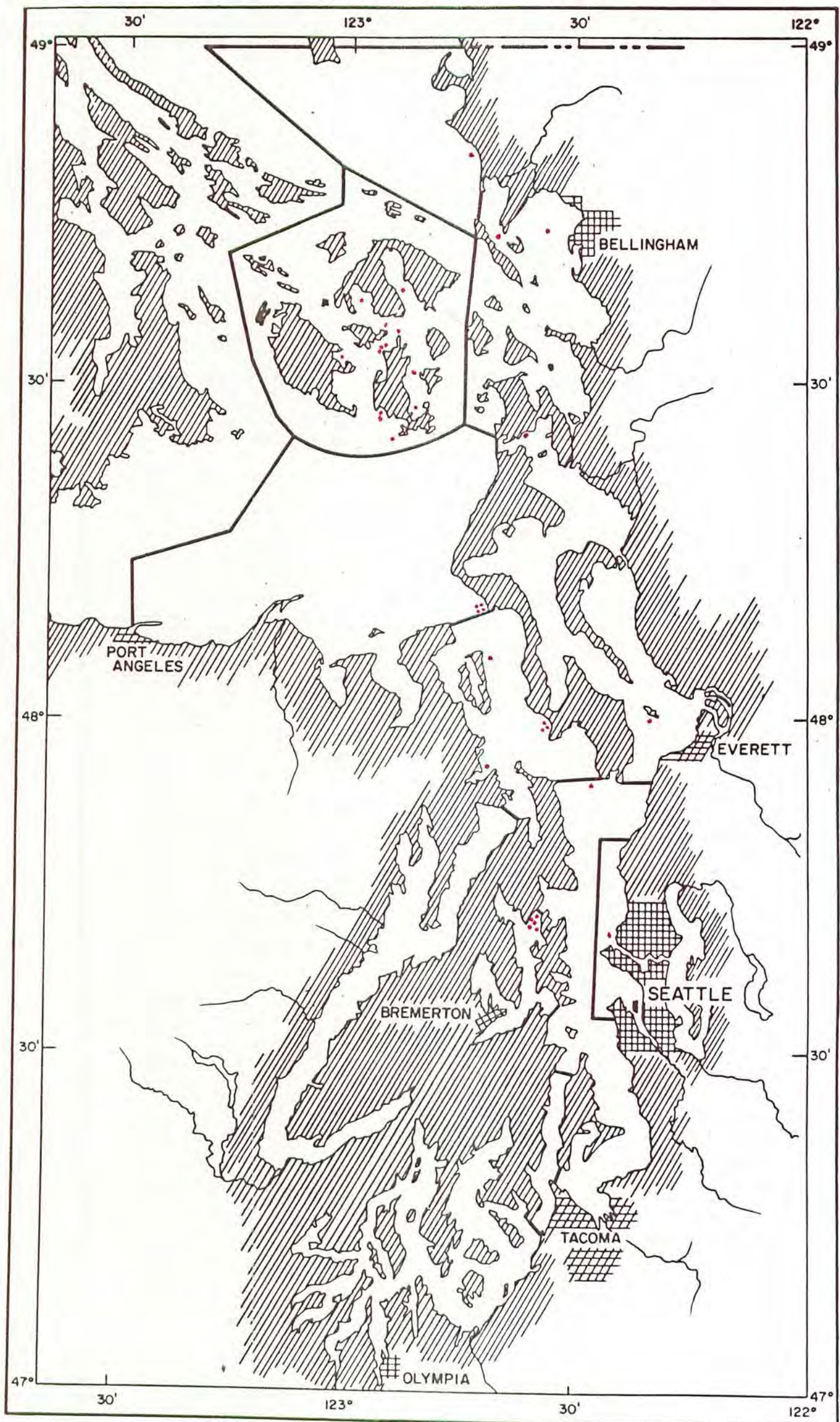
University of Washington Boat Log

- 1-S (off Golden Gardens): 497E.
- 1-PO (Agate Pass, buoy N5-N6):  
5048A.
- 1-PO (Agate Pass.): 5132C.
- 1-CS (Port Madison, near Agate  
Pass): 5317C.

Miscellaneous Logs

- 1-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.
- 1-SJ (West Sound):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-HC (off Big Beef Harbor):  
Sea Grant, 1973.







*Triglops pingeli*

Cottidae

Published Records

- 4-JF (off Admiralty Head):  
 Evermann and Goldsborough, 1907.  
 1-AI (Port Ludlow): Starks, 1896b.

University of Washington  
Museum Collection

- 1-PS (Whatcom County): 74.  
 2-SJ (Flat Point): 684; 701.  
 1-SJ (near Davis Bay): 1182.  
 1-SJ (Flat Point to Canoe Island):  
 1763.  
 1-SJ (Davis Bay): 2166.  
 1-SJ (Harney Channel): 2254.  
 1-SJ (Friday Harbor): 3054.  
 1-E (near Dewey): 4532.  
 1-CS (Possession Point to Point No  
 Point): 5570.  
 1-S (off Golden Gardens):  
 5738 (also boat 497E).  
 1-B (Hale Pass.):  
 5997 (also boat 491I).  
 2-PO (Agate Pass., buoy N4-N6):  
 6025; 7330.  
 1-SJ (Lopez Sound, south of Spencer  
 Spit): 6038.  
 1-E (near Gedney Island): 11184.  
 1-SJ (East Sound): 16398.  
 1-SJ (Upright Head): 16401 (also  
 Friday Harbor log, 8/2/52).

Friday Harbor Laboratory Log

- 1-SJ (north of Hunter Bay):  
 6/19/50-5.  
 1-SJ (off Iceberg Point):  
 7/22/52-1.  
 1-SJ (West Sound): 7/26/60-2.

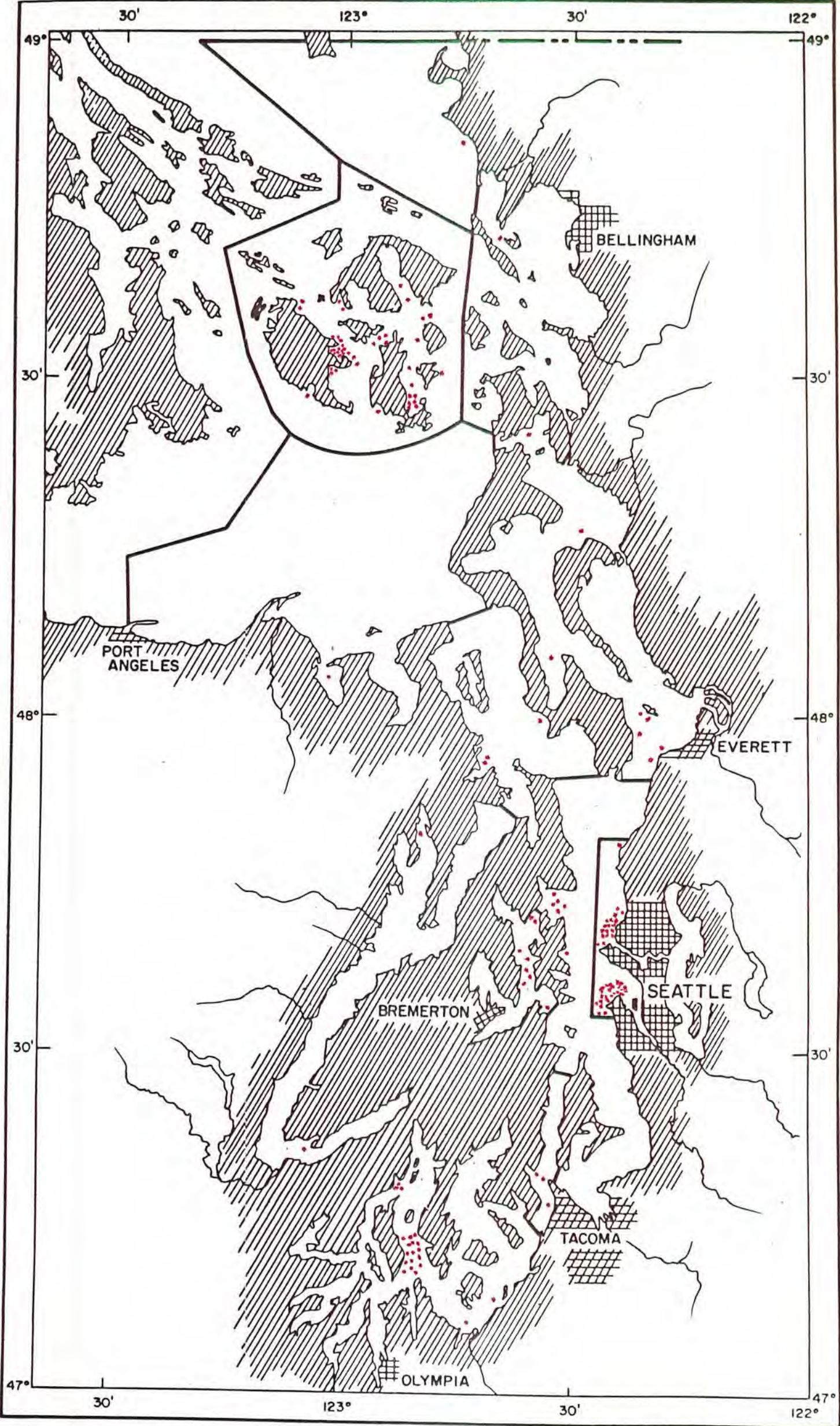
University of Washington Boat Log

- 2-PO (Agate Pass.): 495C; 5132C.  
 1-PO (south part of Agate Pass.):  
 4910B.  
 1-AI (training cruise area: east of  
 north Marrowstone Island):  
 6614J.

Miscellaneous Logs

- 3-AI (Mutiny Bay):  
 Sea Grant, 73049.  
 1-B (Bellingham Bay, mid-channel,  
 off Nooksack Flats):  
 Sea Grant, 72035.  
 1-GS (south of Cherry Point):  
 Sea Grant, 72039.







*Agonopsis emmelane*

## Agonidae

Published Record

- 1-PO (Orchard Point):  
 Jordan and Starks, 1896.  
 1-AI (Port Ludlow): Starks, 1896b.  
 1-AI (northwest of Tala Point):  
 Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-JF (Sequim Bay): Smith, 1936.  
 2-E (Gedney Island): Smith, 1937.  
 1-E (Columbia Beach): Smith, 1937.  
 10-S (Duwamish Head): Salo, 1969.

University of Washington  
Museum Collection

- 1-PS (Whatcom County): 76.  
 2-SJ (Deer Harbor): 808; 1223.  
 1-E (Utsalady): 861.  
 7-SJ (Friday Harbor): 993; 2095;  
 2187; 4798; 11731; 14141; 14143.  
 1-SJ (near Peavine Pass.): 1201.  
 1-SJ (San Juan Channel): 1238.  
 1-SJ (northeast side of San Juan  
 Island): 1299.  
 3-SJ (Orcas Island):  
 1320; 5359; 11729.  
 1-SJ (Peavine Pass.): 1333.  
 1-SJ (False Bay reef): 1480.  
 1-SJ (Flat Point to Canoe Island):  
 1758.  
 1-SJ (O'Neal Island): 1759.  
 1-E (Mukilteo): 4244 and 4314.  
 1-S (North Beach): 4688.  
 1-E (near Dewey): 5332.  
 1-CS (Port Madison, Indianola):  
 6168.  
 1-CS (Port Madison): 7344.  
 1-CP (Point Defiance): 11734.  
 1-CP (Tacoma Narrows): 15197.  
 1-HC (Tahuya): 56.  
 1-SJ (Davis Bay): 637.  
 1-SJ (west shore of Blakely Island):  
 2117.  
 1-SJ (Brown Island): 2135.  
 1-S (Edmonds Beach): 5453.  
 1-PO (Agate Pass., buoy N4-N6):  
 5963 (also boat 3/25/49).  
 1-SJ (San Juan Island): 6210.  
 1-SJ (East Sound): 17058 (also  
 Friday Harbor log, 6/20/63).

Friday Harbor Laboratory Log

- 10-SJ (Friday Harbor lab):  
 7/30/52; 7/31/52; 8/1/52; 8/2/52;  
 7/6/52; 7/30/55; 7/50; 8/4/61-2;  
 7/11/67-2; 7/12/69-2.  
 3-SJ (Lopez Sound):  
 7/28/55-1; 7/8/69-2; 7/6/60-1.  
 1-SJ (East Sound entrance):  
 7/28/55-2.  
 3-SJ (Argyle Bay):  
 8/16/55-3; 8/11/60-4; 7/15/63.  
 1-SJ (Upright Channel, Ogden Park):  
 8/22/55-8.  
 2-SJ (north of Hunter Cove):  
 6/19/50-3, 5 (also boat 5033E,G).

- 1-SJ (north of Flat Point):  
 6/20/50-1 (also boat 5033K).  
 1-SJ (West Sound and Lopez Sound):  
 6/27/60.  
 1-SJ (Upright Channel): 7/2/69-2.  
 1-SJ (Dacatur Head): 7/7/61.  
 1-SJ: 7/14/67.

University of Washington Boat Log

- 1-SJ (Lopez Sound, west of Ram  
 Island): 5033R.  
 2-SJ (training cruise area: Lopez  
 Sound, southwest of Center  
 Island): 7017I; 7307I.  
 5-S (off Golden Gardens to Meadow  
 Point): 5034D; 5039D; 5110B;  
 5119H; 5329C.  
 1-B (Hale Pass): 491I.  
 1-S (off Carkeek Park): 5039E.  
 1-PO (Agate Pass., buoy N5-N6):  
 5048A.  
 1-HC (Dabob Bay, Broad Spit to Long  
 Spit): 6702D.  
 1-CS (Murden Cove): 6713H.

Miscellaneous Logs

- 16-S (Duwamish Head to Alki Point):  
 U.W. Ocean., 1964-67.  
 1-E (Port Gardner Bay):  
 U.W. Ocean., P.G., 1962-67.  
 2-PO (south of Fletcher Bay):  
 U.W. Ocean., P.O., 1964-65.  
 12-S (Golden Gardens to Meadow  
 Point):  
 U.W. Ocean., Hoh, 1963-68.  
 3-PO (south and north of Fletcher  
 Bay): U.W. Ocean., Hoh, 1963-67.  
 17-SS (Case Inlet, off Taylor Bay to  
 off Whiteman Cove):  
 U.W. Ocean., Hoh, 1963-67.  
 2-CS (Port Madison):  
 U.W. Ocean., Hoh, 1963-68.  
 1-E (Holmes Harbor):  
 U.W. Ocean., Hoh, 1963-67.  
 1-S (Golden Gardens to Carkeek  
 Park): NIH, 1968-71.  
 1-CS (Port Madison):  
 Van Cleve, trap, 1961-65.  
 1-CP (beach seine: Gig Harbor spit):  
 Sea Grant, 72003 (also boat  
 7208).  
 1-GS (south of Cherry Point):  
 Sea Grant, 72019.  
 2-S (off northwest side of West  
 Point): Sea Grant, 1973.  
 2-S (off southwest side of West  
 Point): Sea Grant, 1973.  
 1-S (north of Meadow Point to  
 Carkeek Park): Sea Grant, 1973.  
 2-S (southwest of Alki Point):  
 Sea Grant, 1973.  
 1-SS (off Nisqually-McAllister Creek  
 delta): Sea Grant, 1973.

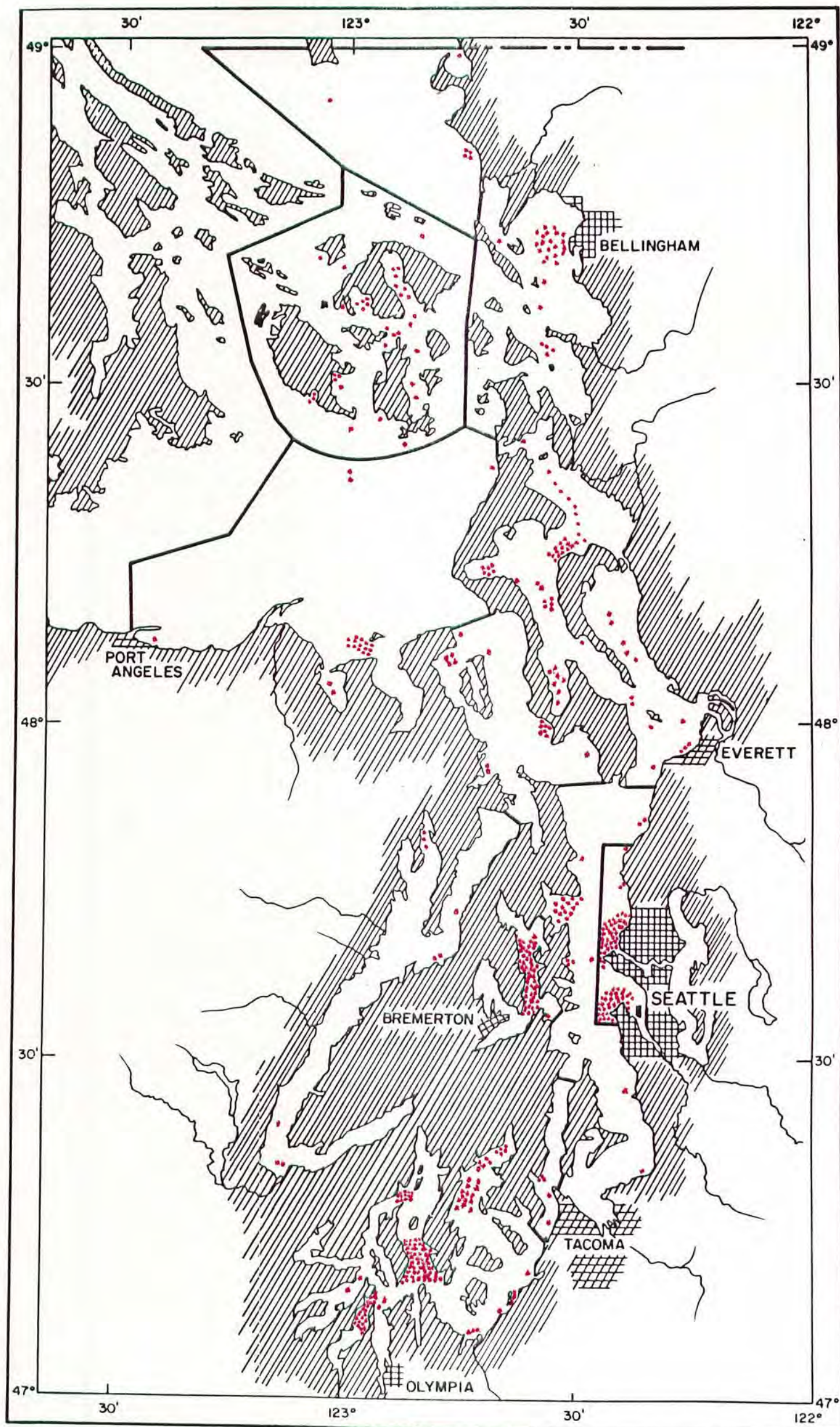
*Agonopsis emmelane*

Agonidae

Miscellaneous Logs

- 1-SS (McLane Cove toward Stretch Island): Sea Grant, 1974.
- 3-SS (mid-channel, McLane Cove to Stretch Island):  
Sea Grant, 1973.
- 1-SS (Tatsolo Point):  
Sea Grant, 73059.
- 1-AI (beach seine, Mutiny Bay launch ramp): Sea Grant, 72033.







*Agonus acipenserinus*

## Agonidae

Published Records

- 1-GS (Semiahmoo Bay, Blaine):  
Gill, 1862.  
1-SJ: Gunther, 1860.  
1-AI (Port Townsend):  
Steindachner, 1877.  
1-SS (Fort Steilacoom):  
Steindachner, 1877.  
1-PS: Jordan and Starks, 1896.  
1-AI (Port Ludlow): Starks, 1896b.  
1-JF (in Port Angeles Harbor):  
Meek, 1899.  
2-AI (Port Ludlow; Marrowstone  
Point):  
Evermann and Goldsborough, 1907.  
1-SJ: Starks, 1911.  
4-B (Bellingham Bay): Smith, 1936.  
4-E (Coupeville): Smith, 1936.  
1-JF (Sequim Bay): Smith, 1936.  
1-HC (Bangor): Smith, 1936.  
1-SS (Carr Inlet):  
Smith, 1936 (also museum 4537).  
1-SS (Dofflemeyer Point):  
Smith, 1937.  
2-CS (north of Point Pully;  
Meadowdale): Smith, 1937.  
1-HC (Hoodsport): Smith, 1937.  
2-E (Camano; Gedney Island):  
Smith, 1937.  
1-E (Skagit and Similk Bays):  
Stober and Salo, 1970a.  
27-S (Duwamish Head): Salo, 1969.  
6-E (Skagit Bay): Salo, 1969.  
3-CS (beach seine: south side of  
Point Jefferson): Kendall, 1966.

University of Washington  
Museum Collection

- 1-PS (Whatcom County): 73.  
1-PS: 204.  
3-S (Alki Point): 787; 4506; 4518.  
1-SJ (near Davis Bay): 1186.  
1-SJ (Deer Harbor): 1225.  
1-SJ (Harney Channel): 2255.  
1-E (Saratoga Pass., Camano Head):  
2538.  
1-E (off the Snohomish River):  
2630.  
1-E (Saratoga Pass., Sandy Point):  
2659 1/2.  
1-E (Mukilteo): 4216.  
1-AI (Useless Bay): 4421.  
3-S (Golden Gardens):  
4522; 16751; 17976.  
1-E (near Dewey): 4533.  
1-B (Bellingham Bay): 4535.  
1-S (North Beach): 4641.  
1-S (south of Richmond Beach):  
4725.  
1-GS (six miles south of Point  
Roberts): 5638.  
1-CS (beach seine: Redondo Beach):  
4727.  
1-S (Edmonds Beach): 5465.  
1-S (Richmond Beach): 5585.

- 1-SS (off Budd Inlet):  
5663 (also boat 7/20/49-4).  
5-S (beach seine: Golden Gardens):  
5771 (also boat 5001); 5938 (also  
boat 5032.1B); 6088 (also boat  
5047B); 14144 (also boat 5208D);  
16391.  
1-CS (Indianola, Port Madison):  
6169.  
1-SS (Totten Inlet): 14128.  
1-CP (Point Defiance): 14157.  
1-CP (Tacoma Narrows): 15200.  
3-S (off Golden Gardens): 5840  
(also boat 496C); 6075 (also boat  
5029C); 8141 (also boat 5131C).  
1-S (one mile south of Alki Point):  
6050.  
1-SJ (False Bay): 14182.  
1-SJ (East Sound): 17060 (also  
Friday Harbor log, 6/20/63).  
1-B (Saddlebag Island): 16691.

Friday Harbor Laboratory Log

- 2-SJ (Lopez Sound and East Sound):  
7/1/52; 7/11/63.  
1-SJ (Salmon Banks): 7/7/52-3.  
1-SJ (Upright Head): 8/2/52.  
2-SJ (False Bay):  
8/4/52-1; 6/29/61.  
1-SJ (Upright Channel at Ogden  
Park): 8/22/55-8.  
1-SJ (Cowlitz Bay): 8/25/55-1.  
1-SJ (Upright Head to Olga):  
8/1/60.  
1-SJ (off Upright Head): 6/24/55-2.  
2-JF (west of McArthur Bank):  
8/8/60; 7/8/69-1.  
3-SJ (Argyle Bay):  
8/11/60-3, 4; 7/12/61-4.  
1-SJ (North Bay): 8/18/60-1.  
1-SJ (Presidents Channel): 8/20/60.  
1-SJ (mid East Sound): 1/17/64.  
2-SJ (West Sound):  
6/26/61; 6/20/69-2.  
1-SJ (south of Lopez Island):  
6/27/63-A.  
1-SJ (Lopez Sound): 6/21/71-2.

University of Washington Boat Log

- 1-SJ (Puffin Island to Orcas  
Island): 491E.  
3-SJ (training cruise area: East  
Sound, north of Rosario Point):  
6603H; 6914H; 7017H.  
1-SJ (training cruise area: Lopez  
Sound, southwest of Center  
Island): 7017I.  
1-B (Hale Pass.): 491I.  
1-B (east of Vendovi Island): 491K.  
7-B (training cruise area: southwest  
of Post Point):  
6630G; 6815G; 6603G; 6614G;  
7118G; 7307G; 7313G.



*Agonus acipenserinus*

## Agonidae

University of Washington Boat Log

- 2-E (Holmes Harbor): 5305L; 5613Q.  
 1-E (Holmes Harbor, Rocky Point to Dines Point): 5307C.  
 1-E (Holmes Harbor, south of Classic): 5307F.  
 1-E (Penn Cove, off Coupeville to Lovejoy Point): 5316J.  
 1-E (Penn Cove): 5405K.  
 4-E (Saratoga Pass., Onamac Point to Indian Beach): 5405L,M,N; 5418L.  
 2-E (Saratoga Pass., Onamac Point to Snatelum Point): 5418H; 5712C.  
 1-E (Holmes Harbor or Penn Cove): 6117F.  
 1-E (north of Kayak Point to off Tulalip): 7112.  
 1-E (Elger Bay): 7112.  
 3-HC (Dabob Bay, Broad Spit to Long Spit): 6724A; 6702D,F.  
 1-CS (Port Madison): 5122A.  
 1-CS (off Indianola): 5043A.  
 1-CS (off West Point): 7017Y.  
 2-CS (Murden Cove): 6610B; 6823-3.  
 1-CS (off Murden Cove): 6710C.  
 3-PO (off Manzanita to off Seabold): 5310.2B, .4B; 6215A.  
 14-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5310.3B; 5402X; 5413A; 5707A,B,G; 5709C; 5915B; 6001AN; 6016B1,A4, B5; 6507K; 6707.  
 6-PO (most off Fletcher Bay): 6007A; 6214; 7011A; 7105-2; 7107A,B.  
 2-PO (between "B-2" and "B-1"): 6205C1,C3.  
 2-PO (beach seine: one mile north of Illahee Dock): 6205A3.1, .2.  
 19-S (beach seine: Golden Gardens to Meadow Point): 5007D; 5047A,C; 5105A; 5114A,B; 5134A,B; 5137A,B; 5209D; 5215K; 5415J; 5920N; 3-6310; 6518A,B.  
 9-S (off Golden Gardens to Meadow Point): 5112C; 5119C; 5132A; 5329D; 5512G; 5607B; 5907D; 5920B,E.  
 1-S (beach seine: north side of West Point): 7311.  
 4-S (off Meadow Point to Carkeek Park): 5212B,D; 5606A; 6510B.  
 1-S (beach seine: Alki Point to Duwamish Head): 6619P.  
 5-SS (Carr Inlet, off Wauna): 5037I; 5104E,F; 5227A,C.  
 5-SS (off Minter Creek to Elgin): 5045J; 5102C; 5104I; 5135A,D.  
 4-SS (off Glen Cove to Cutts and Raft Islands, Carr Inlet): 5101B; 5104Y; 5126M; 5213D.  
 1-SS (Totten Inlet, off Windy Point to Steamboat Island): 5115D.  
 2-SS (Carr Inlet): 5522C; 5605B.  
 5-SS (Eld Inlet, trap area, one mile northeast of Flapjack Point): 6208A; 6217-2,3; 6219-1,2.

Miscellaneous Logs

- 36-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.  
 3-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.  
 50+-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.  
 20-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.  
 25-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.  
 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.  
 7-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.  
 13-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.  
 14-E (off Demock Point to Utsalady Point): U.W. Ocean., Hoh, 1963-67.  
 4-E (Port Susan): U.W. Ocean., Hoh, 1963-67.  
 1-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.  
 1-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.  
 1-CS (Apple Cove Point): U.W. Ocean., Hoh, S.J., 1966.  
 4-AI (Port Townsend Bay): U.W. Ocean., Hoh, S.J., 1966.  
 3-B (Padilla Bay, near William Point; Bellingham Bay; Lummi Bay): U.W. Ocean., Hoh, S.J., 1966.  
 3-SJ (West Sound): U.W. Ocean., Hoh, S.J., 1966.  
 1-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.  
 2-E (Utsalady): U.W. Ocean., Hoh, S.J., 1966.  
 1-SJ (East Sound, south of Rosario Point): NIH, 1964-66.  
 2-B (Bellingham Bay, off Nooksack River to Marine Drive): NIH, 1968-71.  
 3-S (Golden Gardens to Carkeek Park): NIH, 1968-71.  
 1-S (Duwamish Head to Alki Point): NIH, 1968-71.  
 1-PO (Clam Bay): NIH, 1968-71.  
 2-CS (Port Madison): Van Cleve, trap, 1961-65.  
 1-PO (off Fletcher Bay): Van Cleve, trap, 1961-65.  
 38-SS (Eld Inlet entrance): Van Cleve, trap, 1961-65.  
 2-E (Holmes Harbor): Van Cleve, trap, 1961-65.  
 1-E (Saratoga Pass., west side, just south of Penn Cove): Van Cleve, trap, 1961-65.  
 1-JF (Sequim Bay): Battelle, 1967-69.  
 18-JF (west of Protection Island): NMFS, Cobb, 2/28/73.

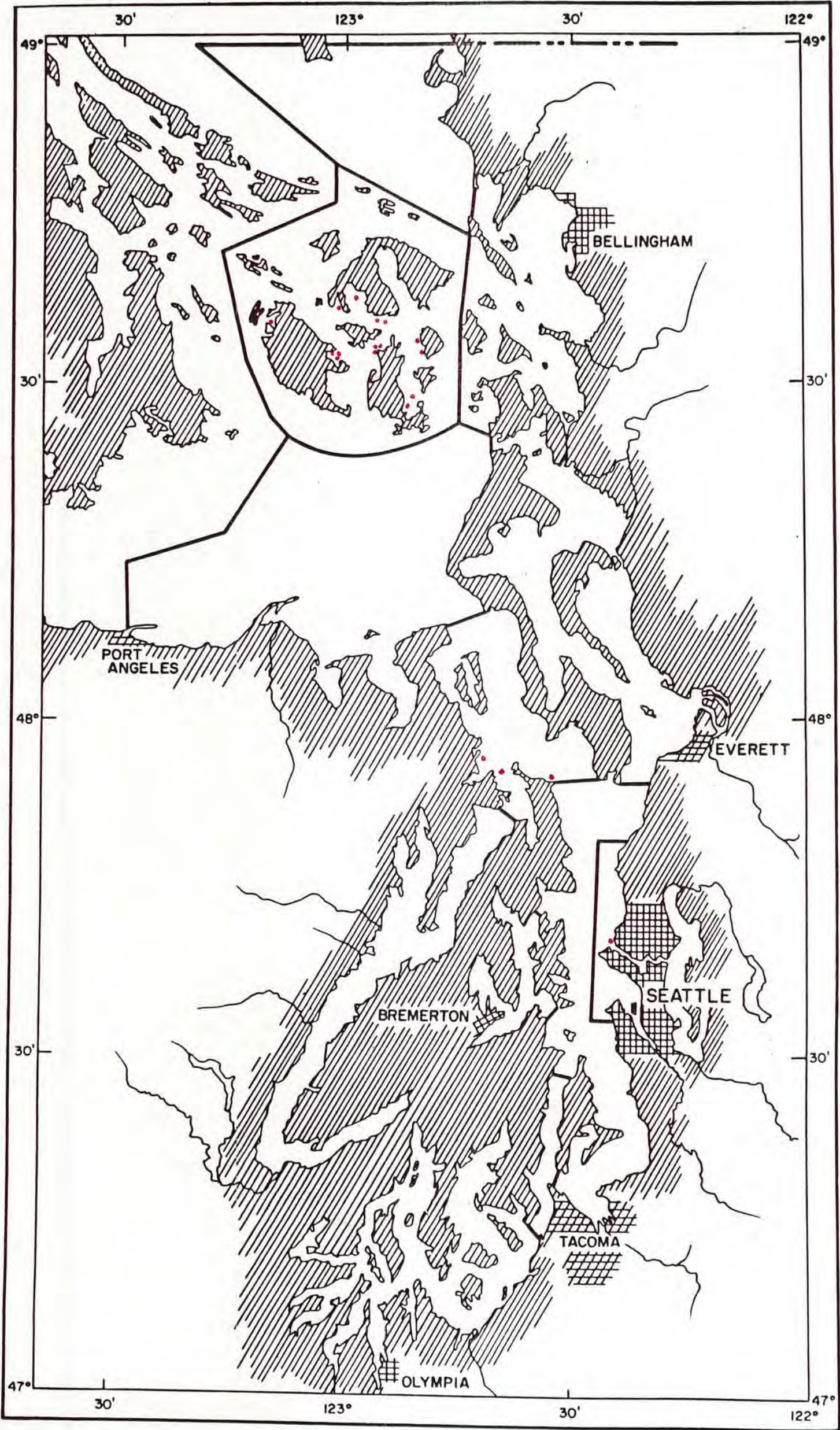
*Agonus acipenserinus*

## Agonidae

Miscellaneous Logs

- 3-S (Golden Gardens):  
S.L. Ralston, Diving Log, 1971.
- 2-CP (beach seine: Gig Harbor spit):  
Sea Grant, 72003 (also boat 7208).
- 1-CP (off Gig Harbor spit): Sea Grant, 72003 (also boat 7208).
- 4-GS (south of Cherry Point):  
Sea Grant, 1973.
- 4-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 1973.
- 1-JF (beach seine: West Beach):  
Sea Grant, 72017.
- 3-SS (off Nisqually River-McAllister Creek flats): Sea Grant, 1973.
- 2-HC (off Big Beef Harbor):  
Sea Grant, 1973.
- 1-S (beach seine: Golden Gardens):  
Sea Grant, 72032.
- 3-B (Bellingham Bay, mid-channel, off Nooksack flats):  
Sea Grant, 72035.
- 1-B (Bellingham Bay, east of Eliza Island): Sea Grant, 72035.
- 19-S (beach seine: north side of West Point): Sea Grant, 1973.
- 1-S (beach seine: south side of West Point): Sea Grant, 1973.
- 1-CS (beach seine: north of Meadowdale at Lunds Gulch):  
Sea Grant, 73002.
- 4-S (off northwest side of West Point): Sea Grant, 1973.
- 2-S (off southwest side of West Point): Sea Grant, 1973.
- 2-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 7-S (southwest of Alki Point):  
Sea Grant, 1973.
- 3-S (off southwest of Alki Point, deep otter trawl):  
Sea Grant, 1973.
- 3-PO (off south of Fletcher Bay):  
Sea Grant, 73008.
- 2-B (Bellingham Bay, off Nooksack Flats): Sea Grant, 73032.
- 1-SS (west side of Dougall Point):  
Sea Grant, 1973.
- 11-SS (mid-channel, McLane Cove to Stretch Island):  
Sea Grant, 1973-74.
- 2-HC (off Skokomish Flats):  
Sea Grant, 1973.
- 3-AI (Mutiny Bay):  
Sea Grant, 73049.
- 3-SS (Cormorant Pass.):  
Sea Grant, 73059 and 73060.
- 1-SS (Tatsolo Point):  
Sea Grant, 73059.
- 2-B (northern Bellingham Bay):  
Sea Grant, 72004.







*Anoplagonus inermis*

Agonidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.  
 1-AI (mouth of Hood Canal):  
     Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-PS: Kincaid, 1919.

University of Washington  
Museum Collection

- 1-PS (Whatcom County): 75.  
 1-SJ (Friday Harbor): 991.  
 1-SJ (Deer Harbor): 1226.  
 1-SJ (Harney Channel): 1756.  
 1-SJ (Flat Point to Canoe Island):  
     1757.  
 1-SJ (west shore of Blakely Island):  
     2119.  
 1-S (beach seine: spit near Ballard  
     Locks): 4619.  
 1-AI (Point No Point): 11723.  
 1-SJ (West Sound): 14185.  
 2-SJ (Flat Point): 2086; 2274.  
 1-SJ (Harney Channel): 2257.

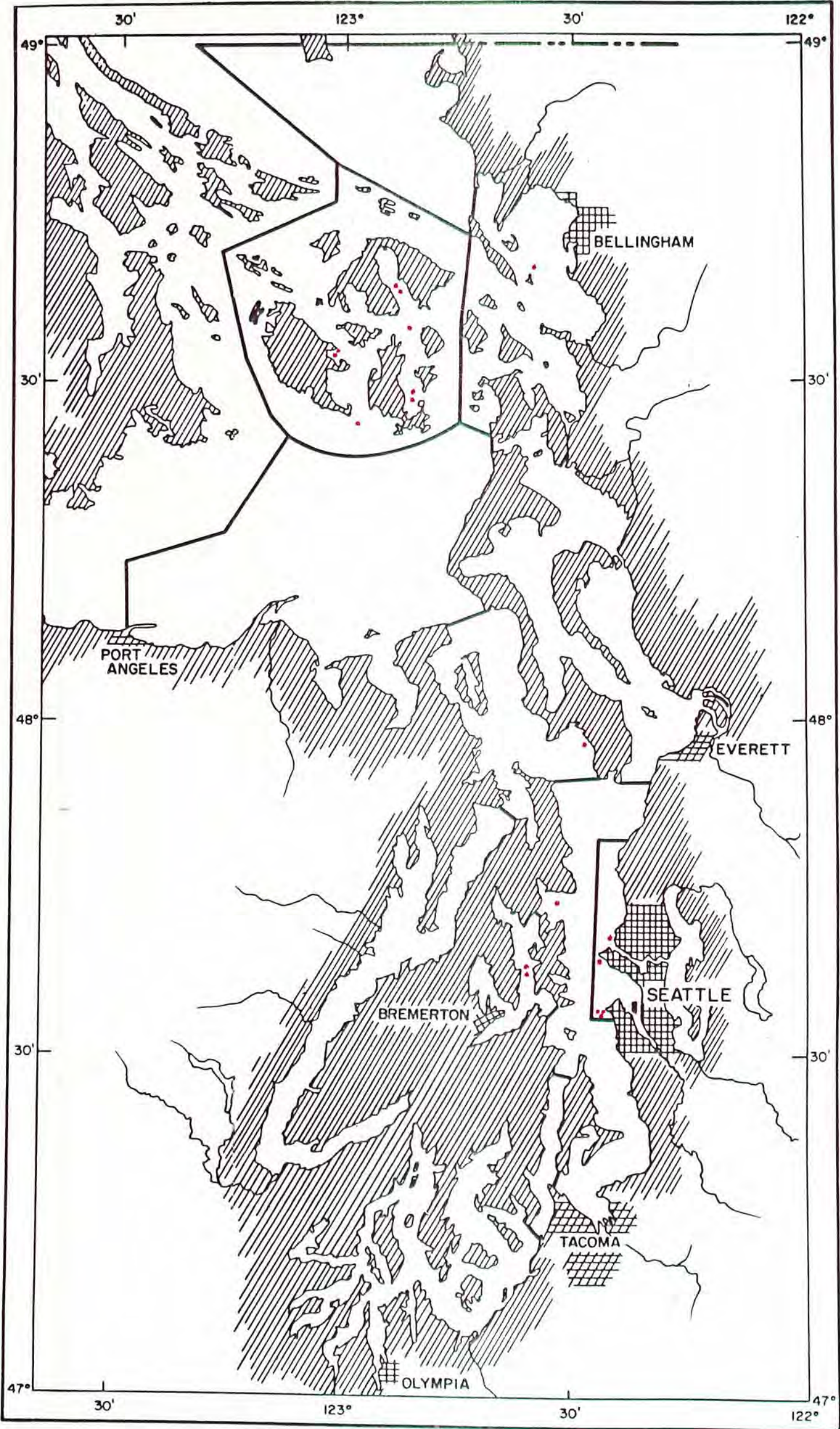
Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor lab, night  
     light): 7/31/69.  
 1-SJ (Friday Harbor): 6/21/55-1.  
 1-SJ (east of Willow Island):  
     6/24/55-3.  
 1-SJ (Garrison Bay): 6/25/55-3.  
 1-SJ (north of Hunter Bay):  
     6/19/50-5 (also boat 5033G).

University of Washington Boat Log

- 1-SJ (training cruise area: Lopez  
     Sound, southwest of Center  
     Island): 7017I.







*Asterotheca alascana*

Agonidae

Published Records

- 1-SJ: Miles, 1918.
- 1-PS: Kincaid, 1919.
- 1-SJ: Shelford et al., 1935.

University of Washington  
Museum Collection

- 2-SJ (East Sound): 2290; 17074.
- 1-SJ (Friday Harbor): 2297.
- 1-AI (Useless Bay): 4420.
- 1-SJ (west of Ram Island):  
5753 (also boat 491P).
- 1-SJ (Friday Harbor lab): 14187  
(also Friday Harbor log, 8/1/52).
- 1-B (east northeast of Vendovi  
Island): 14192.

Friday Harbor Laboratory Log

- 1-SJ (Lopez Sound and East Sound):  
7/1/52.
- 1-SJ (southeast of Cattle Point):  
8/3/55-2.

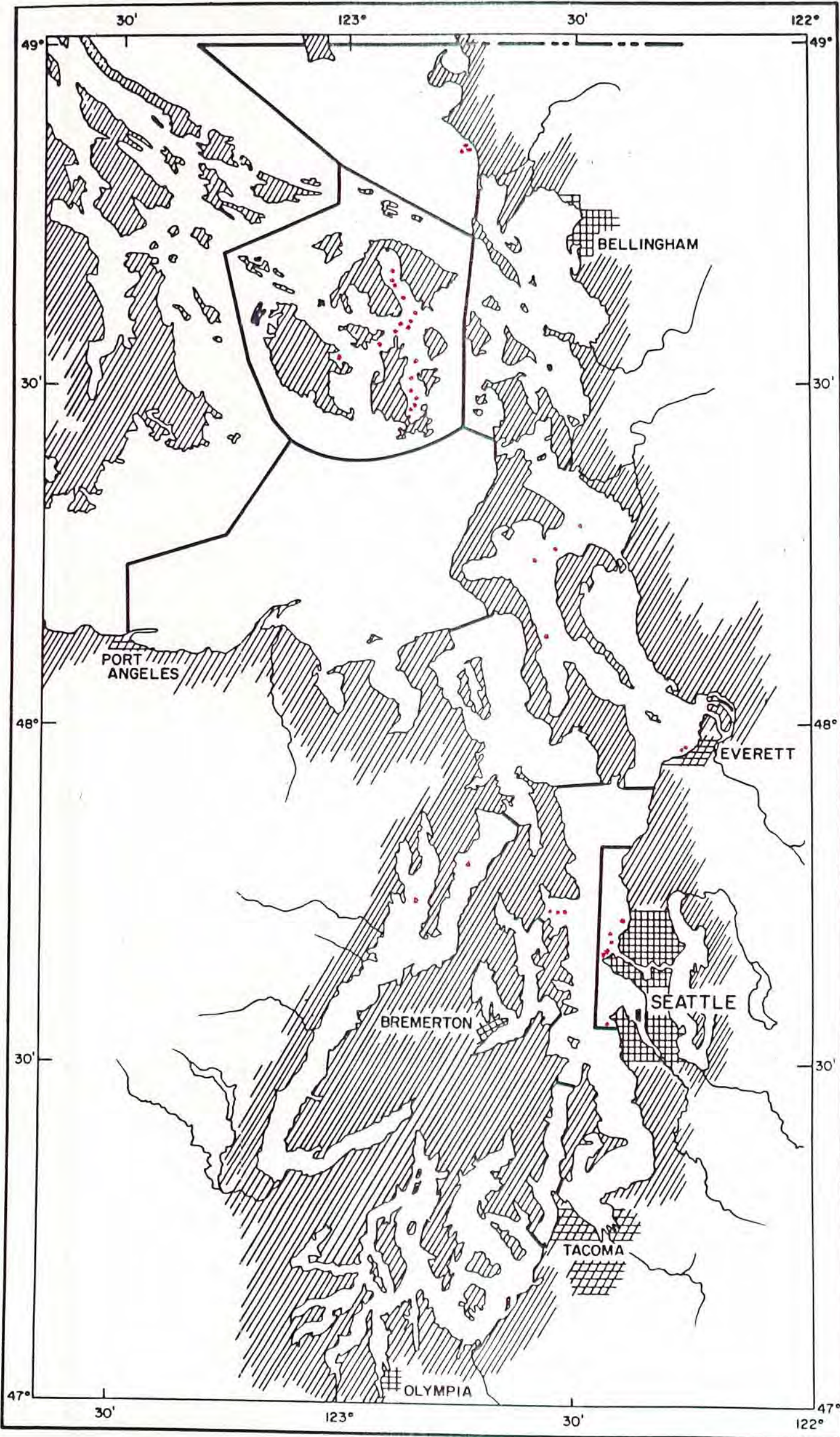
University of Washington Boat Log

- 1-PO (off Fletcher Bay): 5317A.
- 1-PO (probably near Fletcher Bay):  
6007A.
- 1-S (off Golden Gardens): 5129C.
- 1-SJ (training cruise area: Lopez  
Sound, southwest of Center  
Island): 7307I.

Miscellaneous Logs

- 1-CS (Port Madison):  
Van Cleve, trap, 1961-65.
- 1-S (off southwest side of West  
Point): Sea Grant, 1973.
- 1-S (southwest of Alki Point):  
Sea Grant, 1973.
- 2-S (off southwest of Alki Point,  
deep otter trawl):  
Sea Grant, 1973.







*Asterothecca infraspinata*

Agonidae

Published Records

- 1-SJ: Gilbert and Thompson, 1905.  
 1-SJ: Starks, 1911.  
 1-PS: Kincaid, 1919.  
 1-E (Skagit Bay): Salo, 1969.
- 2-S (off northwest side of West Point): Sea Grant, 1973.  
 1-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.

University of Washington  
Museum Collection

- 1-PS (Whatcom County): 77.  
 1-SJ (near Olga): 1206.  
 1-PS: 1423.  
 1-SJ (Friday Harbor): 2202.  
 1-SJ (Orcas Island): 2886.  
 1-S (off Carkeek Park):  
     8072 (also boat 5212E).  
 1-S (off Meadow Point): 7335.  
 1-HC (off Thorndike Bay): 7583.  
 1-SJ (mid East Sound): 18718 (also  
     Friday Harbor log, 6/5/64).

Friday Harbor Laboratory Log

- 1-SJ (north of Hunter Bay):  
     6/19/50-5 (also boat 5033G).  
 1-SJ (Upright Head to Obstruction  
     Pass.): 8/22/55-4.  
 1-SJ (West Sound and Lopez Sound):  
     6/27/60.  
 3-SJ (Lopez Sound):  
     7/6/60-1; 6/24/67; 7/8/69-2.  
 2-SJ (East Sound):  
     7/26/60-1; 6/20/63.  
 1-SJ (Upright Head): 8/3/60.  
 2-SJ (Upright Head to Olga):  
     8/1/60-2; 7/10/61-2.  
 1-SJ (mid East Sound): 4/3/64.  
 1-SJ: 7/15/67.  
 1-SJ (Upright Channel): 7/2/69-2.

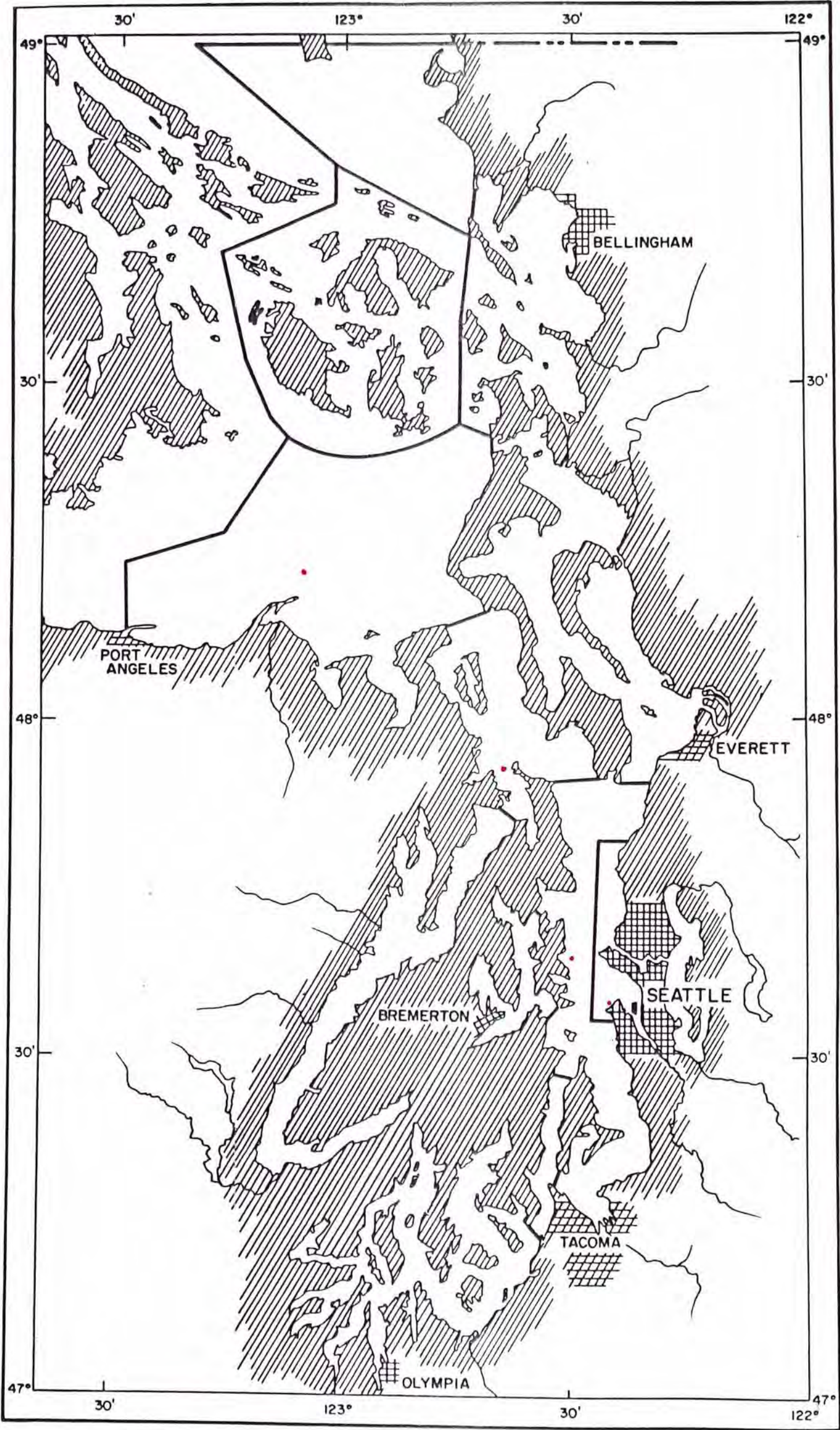
University of Washington Boat Log

- 1-S (off Golden Gardens): 5707J.  
 1-CS (Port Madison, near Agate  
     Pass.): 5317C.  
 1-E (Saratoga Pass., Greenbank to  
     North Bluff): 5418N.  
 1-HC (Dabob Bay): 6202A.  
 1-E (training cruise area: off Penn  
     Cove): 6826E.  
 1-SJ (training cruise area: Lopez  
     Sound, southwest of Center  
     Island): 7017I.  
 1-SJ (Lopez Sound, west of Ram  
     Island): 5033R.

Miscellaneous Logs

- 2-E (Port Gardner Bay):  
     U.W. Ocean., P.G., 1962-67.  
 2-CS (Port Madison):  
     U.W. Ocean., Hoh, 1963-68.  
 1-E (off Demock Point to Utsalady):  
     U.W. Ocean., Hoh, 1963-67.  
 3-GS (south of Cherry Point):  
     Sea Grant, 1972.





*Asterotheca pentacanthus*

Agonidae

Published Records

- 1-JF (mid-channel, northeast of  
Dungeness Spit):  
Evermann and Goldsborough, 1907.  
1-AI (mouth of Hood Canal):  
Evermann and Goldsborough, 1907.

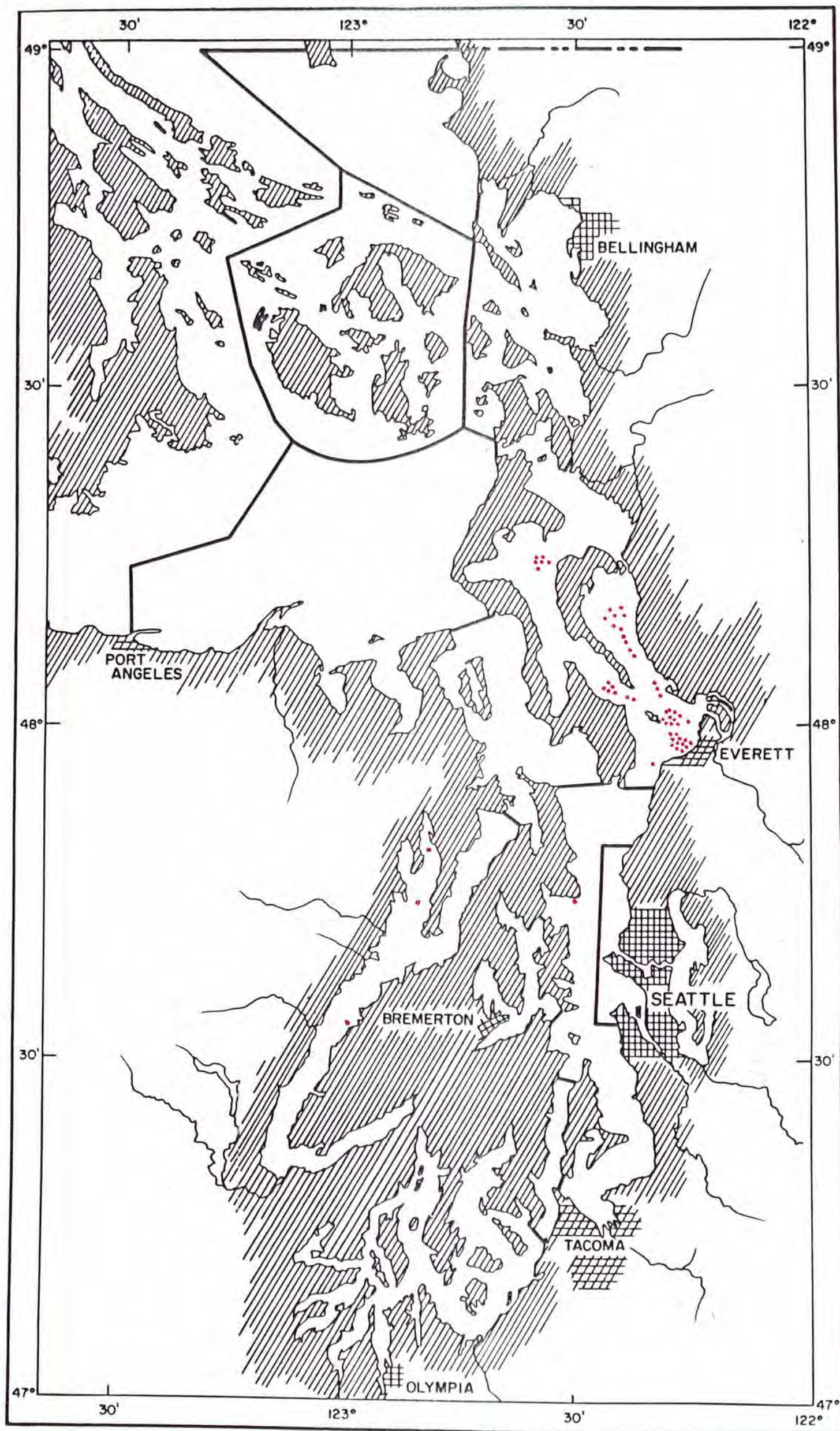
University of Washington Boat Log

- 1-CS (off Murden Cove): 6610B.

Miscellaneous Logs

- 1-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.







*Bathylagoriscus nigripinnis*

Agonidae

Published Records

1-HC (Holly):

Schultz and DeLacy, 1935-36.

1-CS (beach seine: south side of  
Point Jefferson): Kendall, 1966.University of Washington  
Museum Collection

1-PS (Whidbey Island): 12.

1-E (east of Gedney Island): 2558.

1-E (off Snohomish River): 2628.

1-E (Saratoga Pass., Sandy Point):  
2665.2-E (off Tulalip Bay): 2911; 5949  
(also boat 7/1/49-1).

1-E (off Everett): 2944.

1-E (Mukilteo): 4307.

University of Washington Boat Log

1-HC (Dabob Bay): 5921.

1-HC (Dabob Bay, Broad Spit to Long  
Spit): 6702E.11-E (training cruise area: east of  
Gedney Island):

6603C; 6620C; 6717C; 6722C;

6819C; 7118C; 7213C; 6914C;

7017C; 7110C; 7010C.

5-E (training cruise area: Saratoga  
Pass., north of Langley): 6603D;  
6722D; 7118D; 7213D; 7010D.5-E (training cruise area: off Penn  
Cove): 6603E; 6620E; 6815E;  
7213E; 7313E.2-E (Port Susan, off Kayak Point):  
6702A,B.1-E (Saratoga Pass., off Camano  
Head): 6822D.Miscellaneous Logs

8-E (Port Gardner Bay):

U.W. Ocean., P.G., 1962-67.

3-E (Port Gardner Bay):

U.W. Ocean., Hoh, 1963-67.

8-E (Port Susan):

U.W. Ocean., Hoh, 1963-67.

1-E (Saratoga Pass., Demock Point):

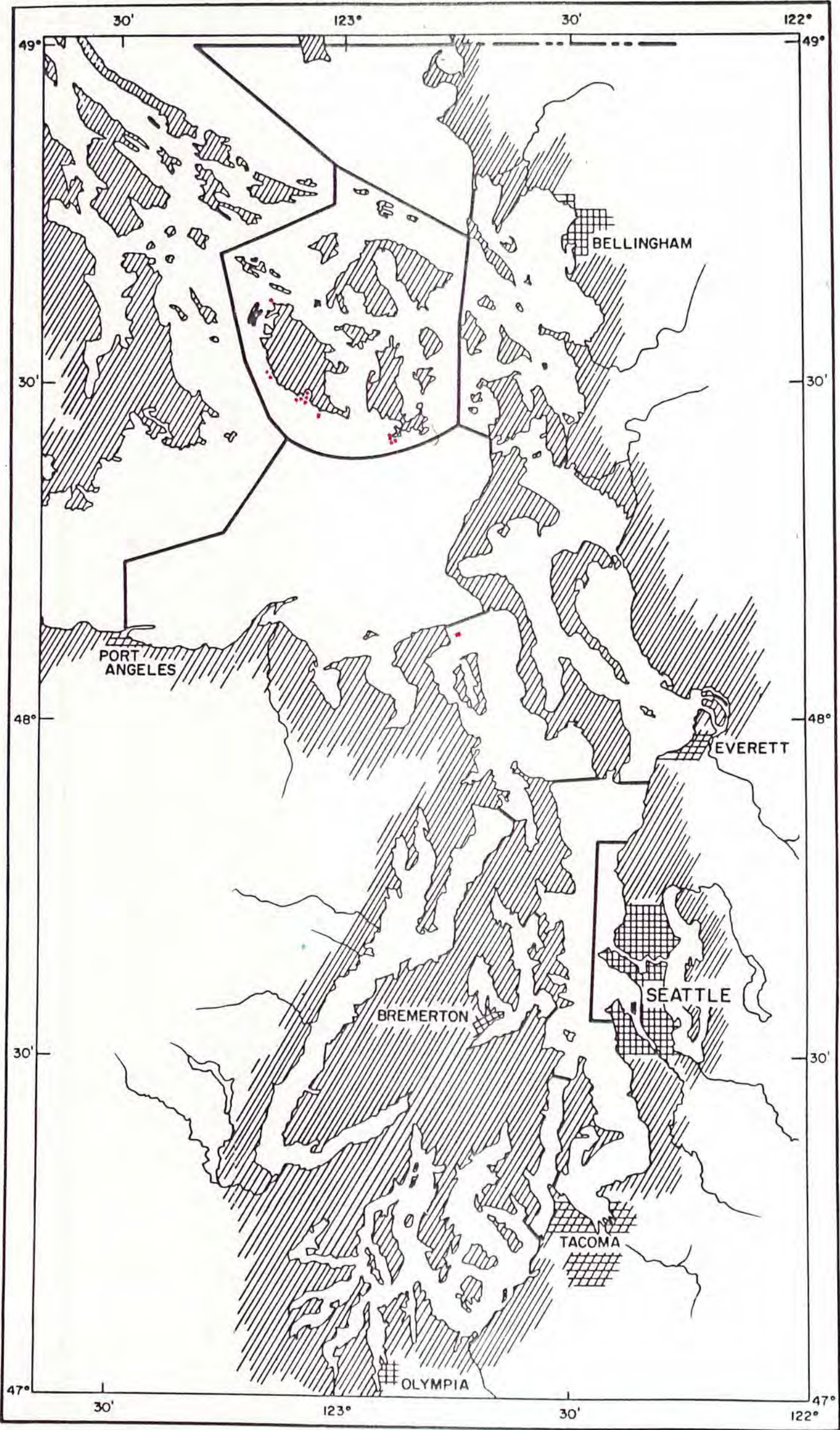
U.W. Ocean., Hoh, 1963-67.

1-E (Port Susan): U.W. Ocean.,  
herring trawl, 1968-69.

1-E (Mission Bay):

WSDF, groundfish trawl log, 1972.







*Bothragonus swani*

Agonidae

Published Records

- 1-AI (Port Townsend): Steindachner,  
1877; Jordan and Starks, 1896;  
Jordan and Gilbert, 1882.
- 1-PS: Kincaid, 1919.
- SJ (southwest shore of San Juan  
Island): Schultz, 1930  
(duplicated by museum records).
- 1-SJ: Kincaid, 1919.
- AI (Port Townsend):  
Kincaid, 1919 (more than likely  
duplicated by other records).
- SJ (False Bay):  
Walker, 1953 (probably duplicated  
by other records).

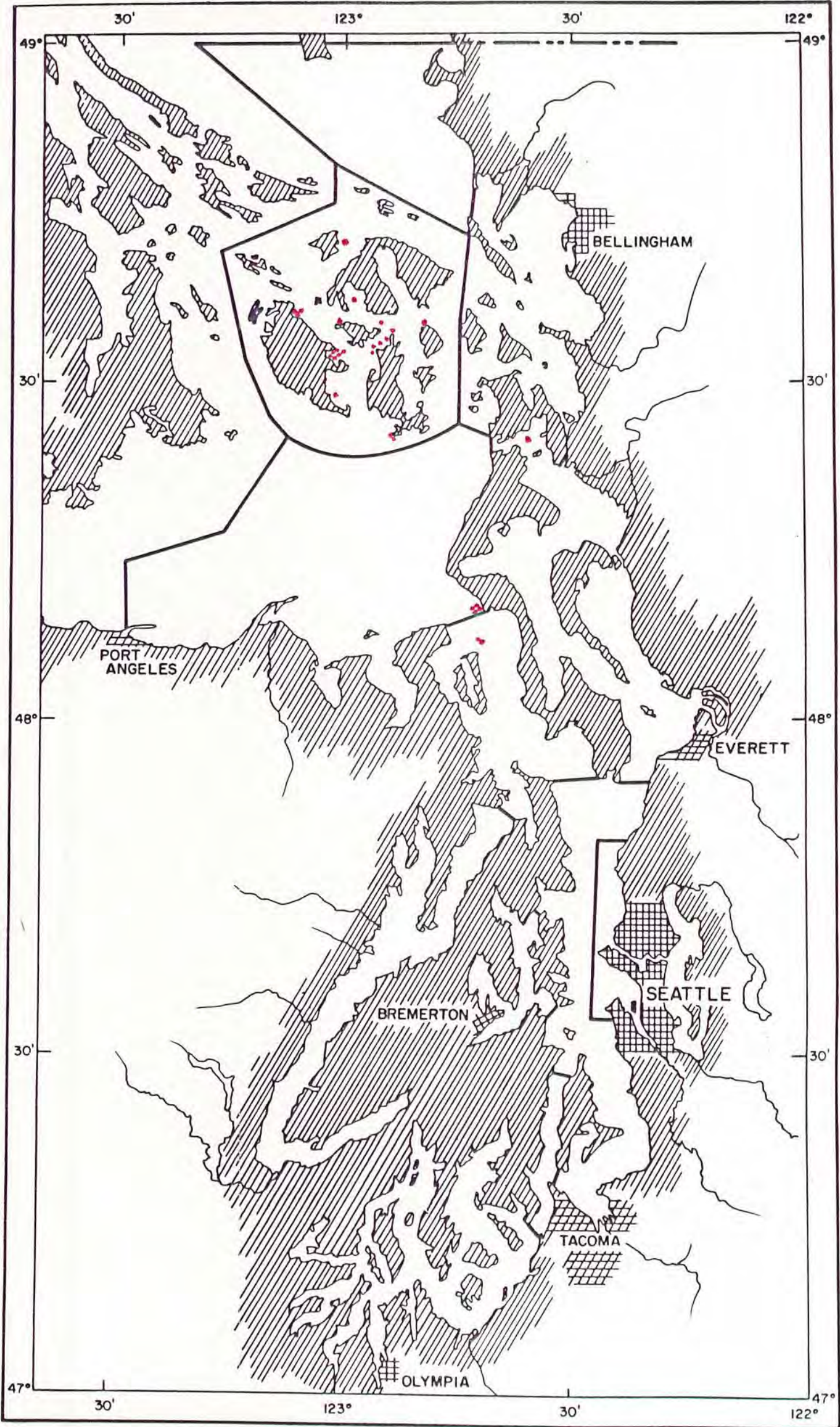
University of Washington  
Museum Collection

- 2-SJ (Kanaka Bay): 1145; 1252.
- 2-SJ (False Bay): 1271; 6200.
- 1-SJ (False Bay reef): 1475.
- 1-SJ (Iceberg Point): 17971 (also  
Friday Harbor log, 7/18/63-2).

Friday Harbor Laboratory Log

- 1-SJ (Iceberg Point, tidepool):  
7/22/52-3.
- 2-SJ (Iceberg Point):  
6/28/61-2; 7/19/63-2.
- 2-SJ (Deadman Bay):  
6/22/63; 7/11/67-1.
- 1-SJ (Eagle Point): 7/5/67.
- 1-SJ (Hannah Heights): 7/6/67.







*Hypsagonus quadricornis*

Agonidae

Published Records

- 1-E (Deception Pass., near Dewey):  
 Smith, 1937 (also museum 4347).  
 1-SJ (Upright Channel):  
 Smith, 1937.  
 1-SJ (Friday Harbor): Heath, 1910.  
 1-SJ (Friday Harbor): Starks, 1911.  
 1-SJ (San Juan Channel, Friday  
 Harbor):  
 Wismer and Swanson, 1935.  
 4-JF (off Admiralty Head):  
 Evermann and Goldsborough, 1907.  
 1-AI:  
 Evermann and Goldsborough, 1907.

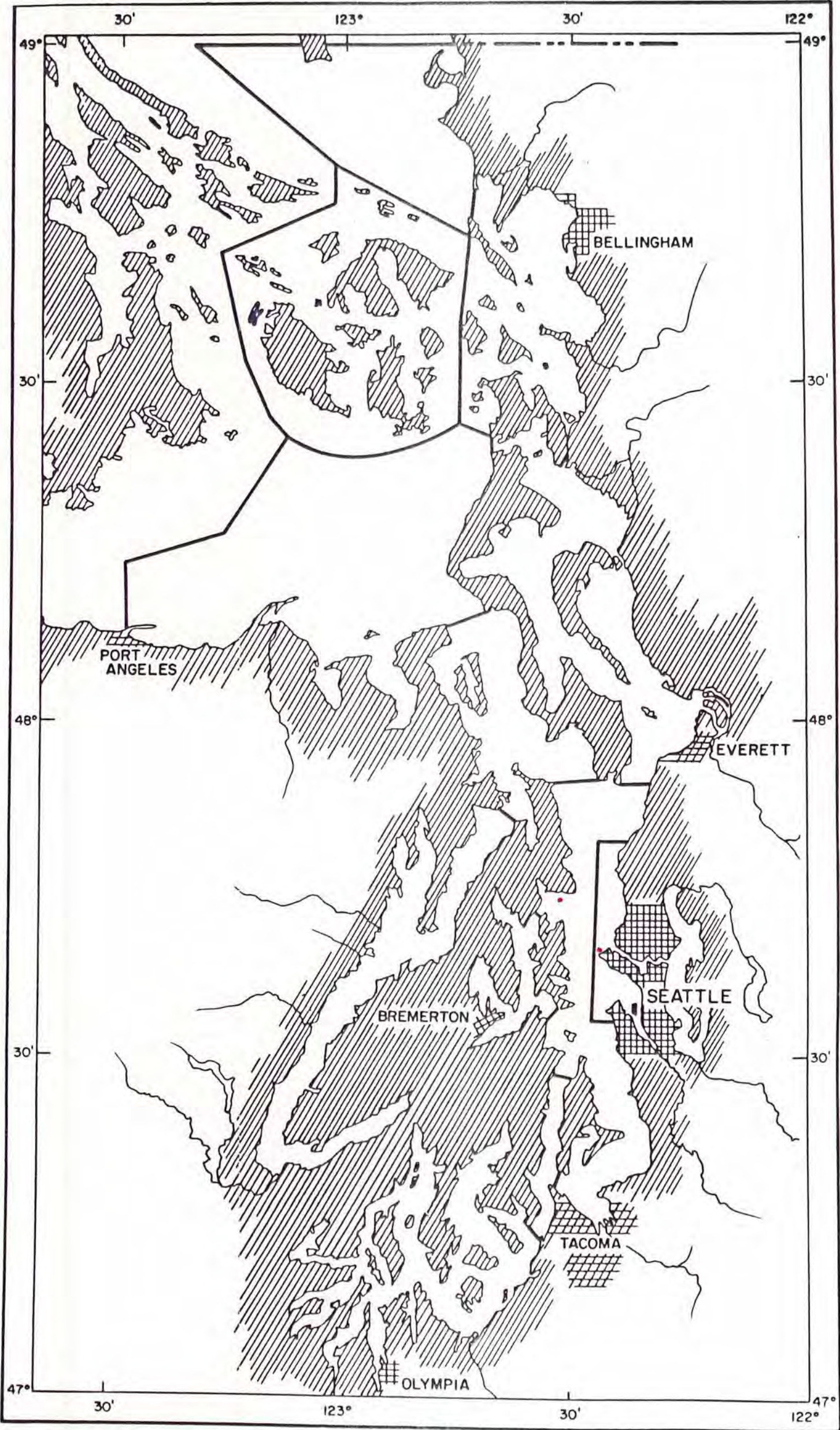
University of Washington  
Museum Collection

- 1-SJ (Peavine Pass.): 1097.  
 1-SJ (Wasp Pass.): 1738.  
 1-SJ (Griffin Bay): 1739.  
 2-SJ (O'Neal Island): 1740; 11726.  
 1-SJ (Harney Channel): 1741.  
 1-SJ (Flat Point to Canoe Island):  
 1742.  
 1-SJ (Rocky Bay): 2148.  
 1-SJ (West Sound): 2230.  
 1-SJ (Flat Point): 2276.  
 1-SJ: 3560.  
 3-SJ (Friday Harbor):  
 3696; 11721; 14186.  
 1-SJ (northwest side of Lopez  
 Island): 4956.  
 1-SJ (east of Waldron Island):  
 11737 (also Friday Harbor log,  
 7/10/52-3 and boat 5220L).  
 1-SJ (Upright Head): 14183 (also  
 Friday Harbor log, 8/2/52).

Friday Harbor Laboratory Log

- 2-SJ (Iceberg Point tidepool):  
 7/17/50-8; 6/30/69-3.







*Ocella verrucosa*

Agonidae

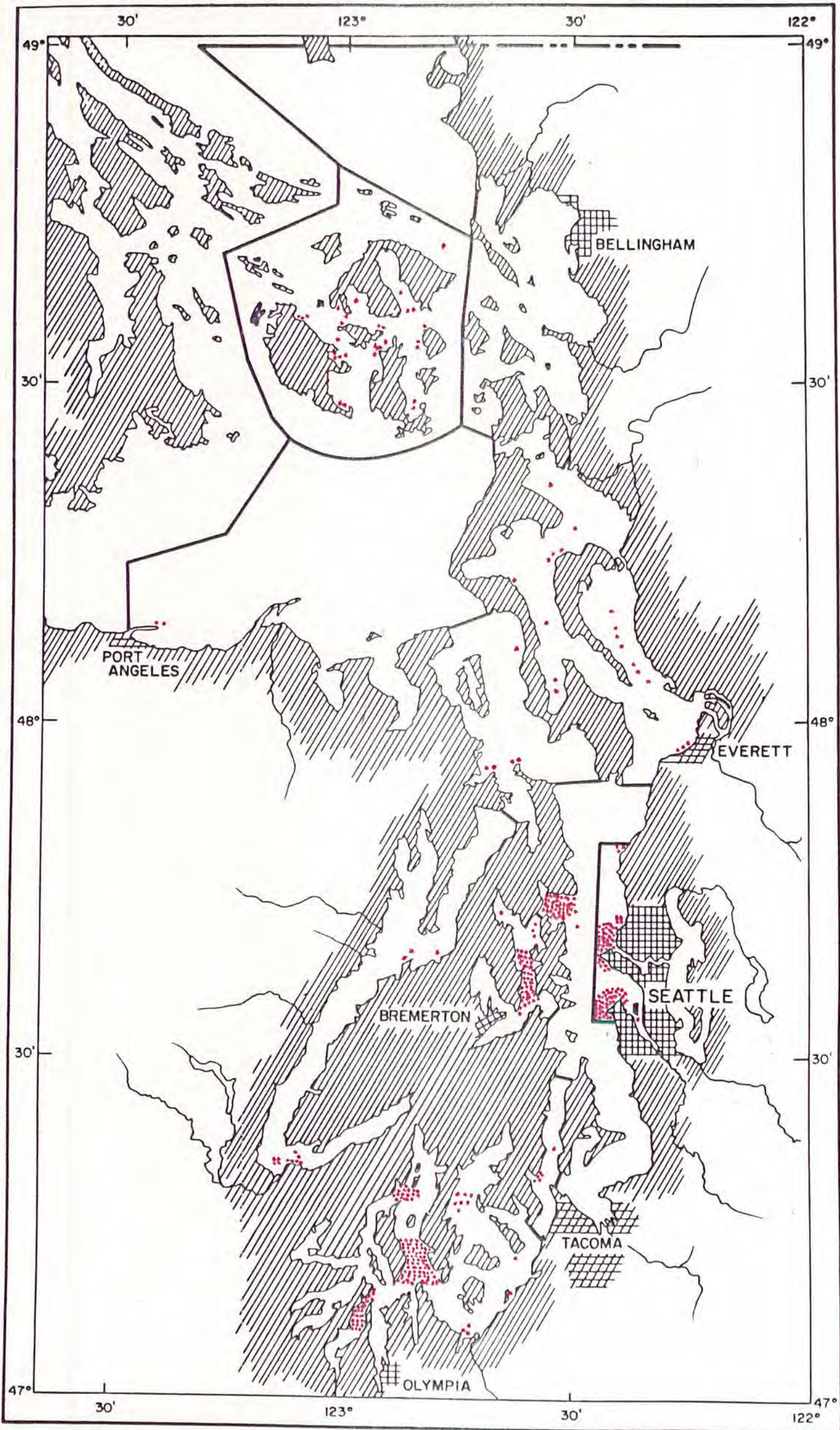
University of Washington Boat Log

1-CS (Port Madison): 6305C.

Miscellaneous Logs

1-S (north tip of West Point):  
L. Moulton and D. Somerton,  
captured diving, 1/26/77.







*Odontopyxis trispinosa*

## Agonidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.  
 1-PS: Jordan and Starks, 1896.  
 1-AI (northwest of Tala Point):  
 Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-SJ: Shelford et al., 1935.  
 1-SJ (San Juan Channel, Friday  
 Harbor):  
 Wismer and Swanson, 1935.  
 1-S (Duwamish River): Salo, 1969.  
 22-S (Duwamish Head): Salo, 1969.  
 2-E (Skagit Bay): Salo, 1969.  
 2-CS (beach seine: south side of  
 Point Jefferson): Kendall, 1966.

University of Washington  
Museum Collection

- 3-SJ (Flat Point): 702; 2085; 2275.  
 2-SJ (Friday Harbor): 992; 2882.  
 1-SJ (Peavine Pass.): 1096.  
 1-SJ (Deer Harbor): 1224.  
 1-SJ (San Juan Channel): 1239.  
 2-SJ (East Sound entrance):  
 1288; 1494.  
 1-SJ (near Orcas Island): 1315.  
 3-PS: 1417; 11819; 14142.  
 1-SJ (Blakely Island): 1419.  
 1-SJ (Flat Point to Canoe Island):  
 1751.  
 1-SJ (Wasp Pass.): 1752.  
 2-SJ (Griffin Bay): 1753; 2161.  
 1-SJ (O'Neal Island): 1754.  
 2-SJ (Harney Channel): 1755; 2258.  
 1-PO (off Seabold): 4375.  
 2-JF (Ediz Hook): 4952; 4953.  
 2-AI (Foulweather Bluff):  
 4969; 4974.  
 1-SJ: 14151.  
 1-SJ (west shore of Blakely Island):  
 2118.  
 1-E (Saratoga Pass.): 5119.  
 2-S (off Golden Gardens):  
 5737 (also boat 497E); 6077 (also  
 boat 5029C).  
 5-S (beach seine: Golden Gardens):  
 5805 (also boat 5036A); 5942  
 (also boat 5032.1A); 7326 (also  
 boat 5007D); 14190 (also boat  
 5134A); 14191.  
 1-CS (Indianola): 6129.  
 1-PO (Liberty Bay): 6190.  
 1-SS (Fox Island, Gibson Point):  
 11724.  
 1-SJ (west of Ram Island):  
 5748 (also boat 491P).  
 1-SJ (Rocky Bay): 2147.  
 1-SJ (West Sound): 2198.  
 1-SJ (Rocky Point, San Juan  
 Island): 2212.  
 1-SJ (East Sound): 2291.  
 1-PO (Agate Pass.): 11730.

Friday Harbor Laboratory Lab

- 1-SJ (northwest of Barnes Island):  
 6/20/50-3 (also boat 5033J).  
 1-SJ (Pole Pass.): 7/30/60.  
 1-SJ (Upright Channel): 7/14/61.  
 1-SJ: 7/14/67.  
 1-SJ (Friday Harbor lab, night  
 night): 1969.

University of Washington Boat Log

- 1-CS (off Indianola): 5043A.  
 1-CS (off Port Madison): 5043C.  
 1-CP (off Camp Sealth): 5104DD.  
 2-E (Holmes Harbor): 5305I; 5614D.  
 1-PO (off Seabold): 5310.5F.  
 2-CS (trap: Port Madison):  
 6203A; 6204B.  
 2-PO (trap: off Fletcher Bay):  
 6203C; 6204C.  
 2-CS (trap: Port Madison):  
 6213; 6305.  
 2-SS (trap: Eld Inlet entrance):  
 6217; 6219-1.  
 1-S (off West Point sewer outfall):  
 6718-4.  
 12-S (beach seine: Golden Gardens to  
 Meadow Point): 5001; 5040A;  
 5116D1; 5214B,C; 5215D,F,J,L;  
 6019B; 6113A; 6417.  
 3-S (off Golden Gardens to Meadow  
 Point): 5033A; 5034D; 5039D.  
 2-S (off Meadow Point to Carkeek  
 Park): 5039E; 5606B.  
 1-SJ (training cruise area: Lopez  
 Sound, southwest of Center  
 Island): 7017I.  
 1-PO (probably off Fletcher Bay):  
 7107.  
 2-E (Port Susan, off north of Kayak  
 Point to off Tulalip): 2-7112.

Miscellaneous Logs

- 37-S (Duwamish Head to Alki Point):  
 U.W. Ocean., 1964-67.  
 8-S (Meadow Point):  
 U.W. Ocean., 1964-67.  
 3-E (Port Gardner Bay):  
 U.W. Ocean., P.G., 1962-67.  
 42-PO (south of Fletcher Bay):  
 U.W. Ocean., P.O., 1964-65.  
 24-S (Golden Gardens to Meadow  
 Point):  
 U.W. Ocean., Hoh, 1963-68.  
 10-PO (south and north of Fletcher  
 Bay): U.W. Ocean., Hoh, 1963-67.  
 2-HC (Seabeck):  
 U.W. Ocean., Hoh, 1963-67.  
 1-SS (Nisqually Flats):  
 U.W. Ocean., Hoh, 1963-67.  
 7-SS (Carr Inlet, off Horsehead  
 Bay): U.W. Ocean., Hoh, 1963-67.  
 48+-SS (Case Inlet, off Taylor Bay  
 to off Whiteman Cove):  
 U.W. Ocean., Hoh, 1963-67.



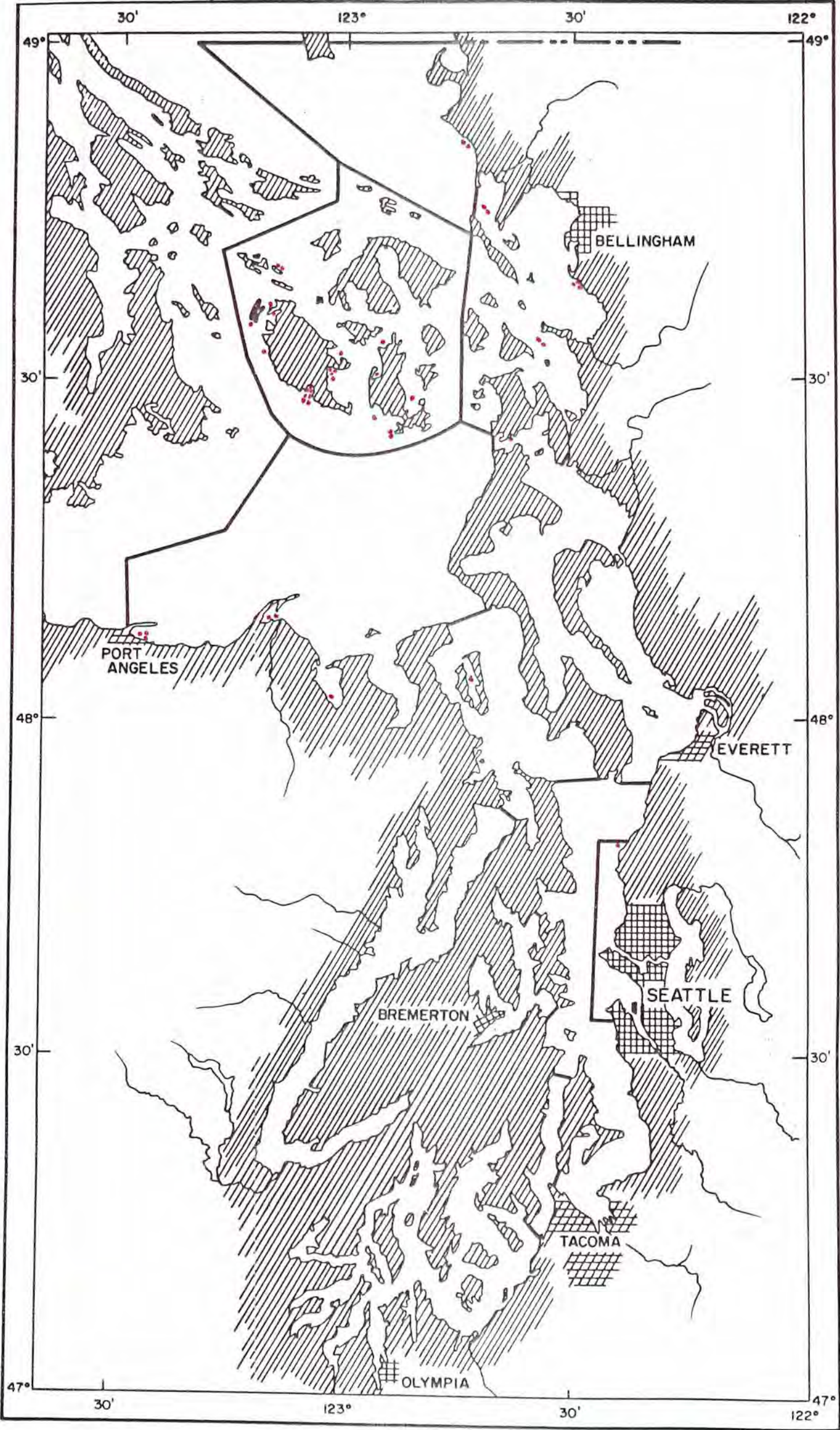
*Odontopyxis trispinosa*

Agonidae

Miscellaneous Logs

- 7-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 5-E (Port Susan):  
U.W. Ocean., Hoh, 1963-67.
- 2-E (off Demock Point to Utsalady):  
U.W. Ocean., Hoh, 1963-67.
- 1-E (Saratoga Pass., off Demock Point):  
U.W. Ocean., Hoh, 1963-67.
- 1-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 1-AI (Admiralty Bay, off Greenbank):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 40-CS (Port Madison):  
Van Cleve, trap, 1961-65.
- 5-PO (off Fletcher Bay):  
Van Cleve, trap, 1961-65.
- 3-S (off Edmonds):  
Van Cleve, trap, 1961-65.
- 125+-SS (Eld Inlet entrance):  
Van Cleve, trap, 1961-65.
- 1-E (Saratoga Pass., west side south of Penn Cove):  
Van Cleve, trap, 1961-65.
- 3-CP (beach seine: Gig Harbor spit):  
Sea Grant, 72003 (also boat 7208).
- 1-CP (off Gig Harbor spit): Sea Grant, 72003 (also boat 7208).
- 1-CP (off Gig Harbor spit):  
Sea Grant, 72025.
- 1-SS (off Nisqually River and McAllister Creek flats):  
Sea Grant, 72034.
- 1-S (off northwest side of West Point): Sea Grant, 1973.
- 7-S (off southwest side of West Point): Sea Grant, 1973.
- 8-S (southwest of Alki Point):  
Sea Grant, 1973.
- 2-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 1-SS (off Nisqually River and McAllister Creek flats):  
Sea Grant, 1973.
- 2-SS (McLane Cove toward Stretch Island): Sea Grant, 1973.
- 1-SS (west side of Dougall Point):  
Sea Grant, 1973.
- 18-SS (mid-channel, McLane Cove to Stretch Island):  
Sea Grant, 1973-74.
- 5-HC (off Union): Sea Grant, 1973.
- 1-HC (mid-channel off Union):  
Sea Grant, 1973.
- 4-HC (off Skokomish Flats):  
Sea Grant, 1973.
- 1-SS (Cormorant Pass.):  
Sea Grant, 73060.
- 1-HC (off Big Beef Harbor):  
Sea Grant, 72026.







*Pallasina barbata*

## Agonidae

Published Records

- |   |   |
|---|---|
| <p>1-JF (Port Angeles):<br/>Jordan and Starks, 1896.<br/>1-AI (Port Ludlow): Starks, 1896b.<br/>1-JF (beach seine: Port Angeles):<br/>Gilbert, 1895.<br/>1-AI (Kilisut Harbor):<br/>Evermann and Goldsborough, 1907.<br/>1-SJ: Starks, 1911.<br/>1-PS: Kincaid, 1919.<br/>1-SJ (near Friday Harbor):<br/>Powers, 1921.<br/>1-SJ: Shelford et al., 1935.</p> | <p>1-GS (beach seine: south of Cherry Point): Sea Grant, 72008.<br/>2-B (Padilla Bay, near William Point):<br/>U.W. Ocean., Hoh, S.J., 1966.<br/>2-B (Lummi Bay):<br/>U.W. Ocean., Hoh, S.J., 1966.<br/>1-GS (south of Cherry Point):<br/>Sea Grant, 72019.<br/>3-B (beach seine: Wildcat Cove):<br/>Sea Grant, 1973.</p> |
|---|---|

University of Washington  
Museum Collection

- 1-SJ (Argyle Bay): 553.  
1-SJ: 736.  
1-SJ (near Davis Bay): 1185.  
1-SJ (Iceberg Point): 2976.  
1-JF (Port Angeles): 3675.  
1-S (Edmonds to Point Edwards):  
5073.  
1-SJ (Westcott Bay): 11683.  
2-SJ (False Bay):  
11732; 14150 (also Friday Harbor  
log, 8/4/52-1).  
1-SJ (north side of Johns Island,  
second bay): 14156 (also Friday  
Harbor log, 8/19/52-1).  
1-SJ (Upright Channel): 17207 (also  
Friday Harbor log, 7/5/63).

Friday Harbor Laboratory Log

- 1-SJ (Open Bay): 7/31/50-4.  
1-SJ (Fisherman Bay): 7/17/50-9.  
4-SJ (False Bay): 8/4/52-2;  
6/29/61; 7/18/67; 7/1/69-4.  
1-SJ (north side of Johns Island,  
second bay): 8/19/52-2.  
1-SJ (Roche Harbor): 8/19/52.  
1-SJ (outside False Bay):  
8/17/55-1.  
1-SJ (North Bay): 8/18/60-2.  
2-SJ (Argyle Bay):  
7/8/67; 7/12/61-3.  
1-SJ (Smallpox Bay): 7/13/61.  
1-SJ (Cattle Point): 6/23/67-1.  
1-SJ (Iceberg Point): 6/30/69-5.

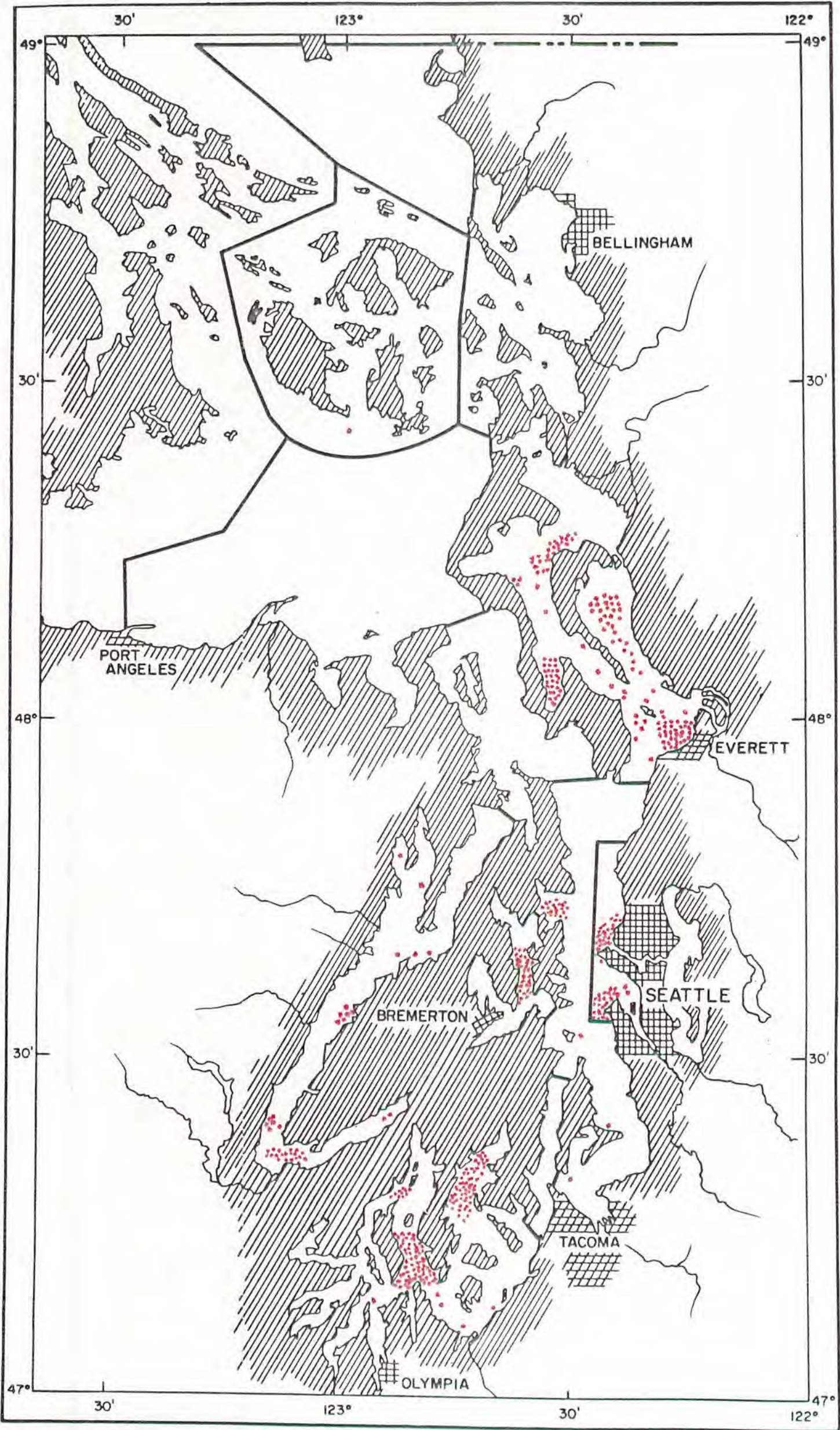
University of Washington Boat Log

- 1-SJ (training cruise area: Lopez  
Sound, southwest of Center  
Island): 71181.

Miscellaneous Logs

- 2-JF (beach seine: Dungeness  
embayment):  
Peninsula College, 1971.  
1-JF (lower Sequim Bay):  
Sea Grant, 71110.  
1-E (Bowman Bay):  
S.L. Ralston, Diving log, 1971.







*Xeneretmus latifrons*

## Agonidae

Published Records

- 1-S (Seattle):  
 Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-SJ: Schultz and DeLacy, 1935-36.  
 1-HC (Holly):  
 Schultz and DeLacy, 1935-36.  
 4-E (Gedney Island): Smith, 1937.  
 3-E (Columbia Beach; Elger Bay;  
 Langley): Smith, 1937.  
 1-E (Mukilteo):  
 Smith, 1937 (also museum 4309).  
 1-HC (Quilcene Bay): Smith, 1937  
 (also museum 4308).  
 5-HC (Hoodsport): Smith, 1937 (also  
 one is museum 3907).  
 2-HC (Holly): Smith, 1937.  
 1-HC (Skokomish Flats):  
 Smith, 1937.  
 3-SS (Carr Inlet; Dofflemeyer  
 Point; Case Inlet): Smith, 1937.  
 2-HC (Anderson Cove): Chew, 1970.

University of Washington  
Museum Collection

- 1-E (Saratoga Pass., off Camano  
 Head): 2537.  
 1-E (east of Gedney Island): 2557.  
 1-E (off Snohomish River): 2629.  
 1-E (Saratoga Pass., off Sandy  
 Point): 2659 1/2.  
 1-S (Alki Point): 2915.  
 1-E (off Everett): 2943.  
 1-S (Elliott Bay): 3168.  
 1-E (Saratoga Pass.): 4175.  
 2-SS (Carr Inlet): 4224; 7329.  
 1-SS (off McLane Cove):  
 5672 (also boat 7/20/49-3).  
 1-SS (northwest end of Nisqually  
 Reach):  
 5676 (also boat 7/20/49-5).  
 1-HC (opposite Hoodsport):  
 5780 (also boat 499F).  
 1-S (off Golden Gardens):  
 5861 (also boat 5034E).  
 1-E (off Mission Bar):  
 5872 (also boat 5023E).  
 1-E (Port Susan, off Tulalip):  
 5948 (also boat 7/1/49-1).  
 1-S (off Meadow Point):  
 5960 (also boat 496B).  
 2-S (off Carkeek Park):  
 5978 (also boat 5020A); 8016  
 (also boat 5212C).  
 1-SS (Nisqually Reach trawl): 6106.  
 1-PS: 7347.  
 1-CS (Port Madison): 7351.  
 1-CS (east of Blake Island):  
 11728 (also boat 5115I).  
 1-S (Golden Gardens): 14392.

University of Washington Boat Log

- 1-E (Port Susan, off Spee-Bi-Dah):  
 5023D.

- 3-E (Holmes Harbor):  
 5325D; 5405D; 5418A.  
 1-E (Holmes Harbor, south of  
 Classic): 5307F.  
 2-E (Holmes Harbor, Rocky Point to  
 Dines Point): 5307K,L.  
 2-E (Holmes Harbor, Dines Point to  
 Classic): 5405G; 5712F.  
 1-E (Saratoga Pass., Onamac Point to  
 Indian Beach): 5405L.  
 1-E (Saratoga Pass., Snatelum Point  
 to Onamac Point): 5418H.  
 2-E (Port Susan, off Kayak Point):  
 6702B,C.  
 1-E (near Penn Cove): 6822E.  
 4-E (training cruise area: off Penn  
 Cove):  
 6614E; 6815E; 6819E; 6826E.  
 1-E (training cruise area: east of  
 Gedney Island): 6914C.  
 1-HC (off Union): 499H.  
 1-HC (Dabob Bay): 5921.  
 2-HC (Anderson Cove): 7009A,D.  
 1-HC (west of Misery Point):  
 7202A.  
 1-CS (east of Neill Point, Vashon  
 Island): 6703C.  
 3-CS (Port Madison):  
 5048B; 5122A; 5132D.  
 1-CS (Tramp Harbor): 5104A.  
 2-PO (off Fletcher Bay):  
 5310.5G; 6016B1.  
 6-S (off Golden Gardens to Meadow  
 Point): 494E; 5009L; 5017C;  
 5033A; 5034E; 6018A.  
 4-S (off Meadow Point to Carkeek  
 Park):  
 5039C; 5119B; 5203A; 5216B.  
 1-S (beach seine: Golden Gardens):  
 5215F.  
 1-SS (north end of Pickering Pass.  
 to off McLane Cove): 5009H.  
 1-SS (northwest end of Nisqually  
 Reach): 5009I.  
 8-SS (off Minter Creek to Elgin):  
 5045G,J; 5046C; 5104D,V; 5135A,  
 C; 5227I.  
 2-SS (Carr Inlet, southwest of Green  
 Point): 5104S,T.  
 14-SS (off Glen Cove to off Cutts  
 and Raft Islands): 5037C; 5045K;  
 5101B; 5102A; 5104L,M,O,Z; 5126C,  
 M; 5201A; 5213D; 5227B; 5613F.  
 1-SS (Carr Inlet): 5522C.  
 1-SS (Carr Inlet, mid-channel, Glen  
 Cove to Green Point): 5724B-1.

Miscellaneous Logs

- 44-S (Duwamish Head to Alki Point):  
 U.W. Ocean., 1964-67.  
 2-S (Meadow Point):  
 U.W. Ocean., 1964-67.  
 40-E (Port Gardner Bay):  
 U.W. Ocean., P.G., 1962-67.

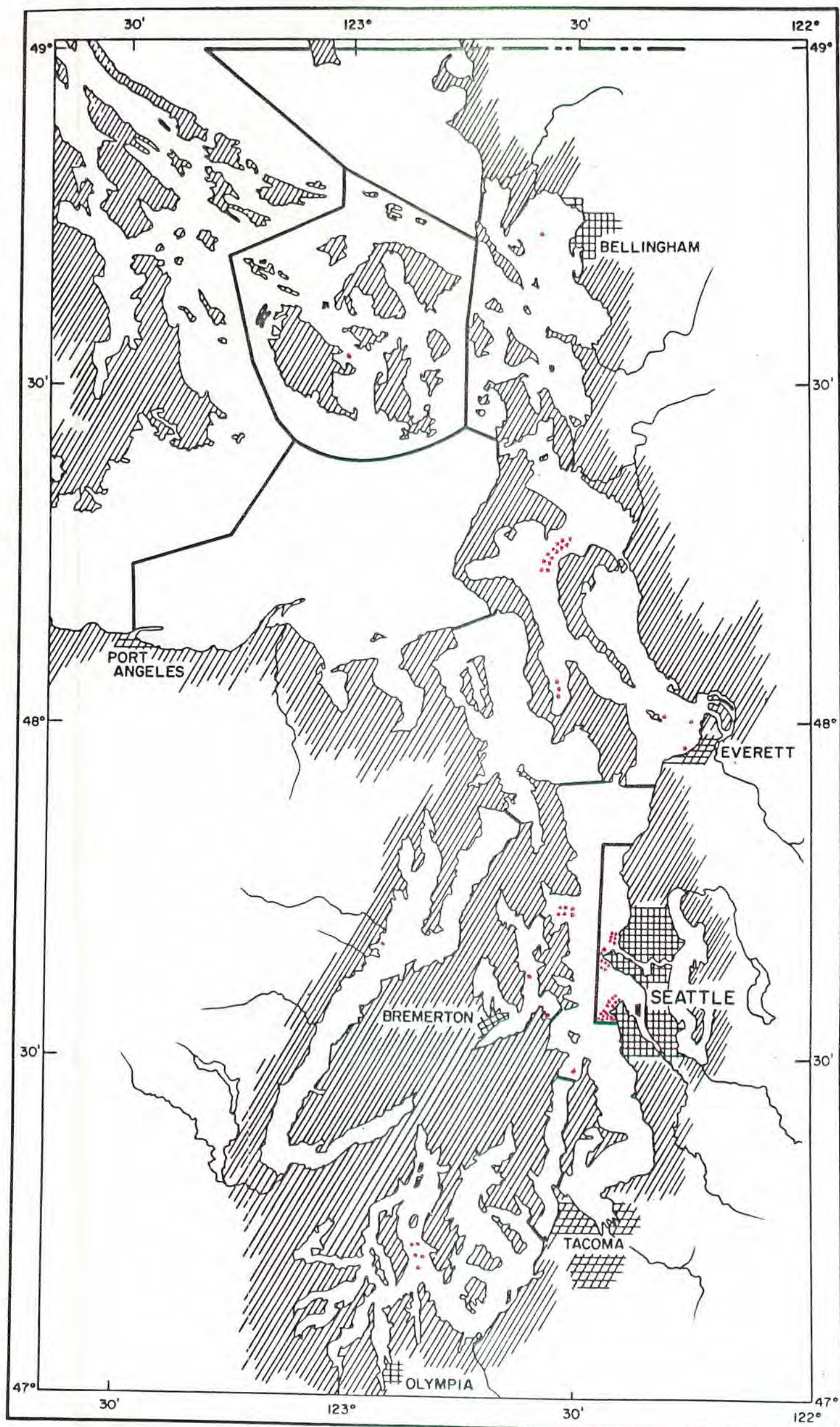
*Xeneretmus latifrons*

## Agonidae

Miscellaneous Logs

- 19-PO (south of Fletcher Bay):  
U.W. Ocean., P.O., 1964-65.
- 10-S (Golden Gardens to Meadow Point):  
U.W. Ocean., Hoh, 1963-68.
- 15-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 2-HC (Lynch Cove):  
U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck):  
U.W. Ocean., Hoh, 1963-67.
- 130-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.
- 17-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 17-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 14-E (Saratoga Pass., off Demock Point):  
U.W. Ocean., Hoh, 1963-67.
- 7-E (Port Gardner Bay):  
U.W. Ocean., Hoh, 1963-67.
- 26-E (Port Susan):  
U.W. Ocean., Hoh, 1963-67.
- 10-E (off Demock Point to off Utsalady):  
U.W. Ocean., Hoh, 1963-67.
- 10-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.
- 2-E (Utsalady):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Holmes Harbor):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-CS (Port Madison):  
Van Cleve, trap, 1961-65.
- 3-E (Saratoga Pass., west side just south of Penn Cove):  
Van Cleve, trap, 1961-65.
- 1-HC (off Big Beef Harbor):  
Sea Grant, 72026.
- 1-E (east and northeast of Gedney Island):  
NMFS, Streeter, 2/21/73.
- 2-S (off northwest side of West Point): Sea Grant, 1973.
- 1-S (off southwest side of West Point): Sea Grant, 1973.
- 1-S (deep otter trawl: off West Point): Sea Grant, 1973.
- 3-S (southwest of Alki Point):  
Sea Grant, 1973.
- 8-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 2-PO (off south of Fletcher Bay):  
Sea Grant, 73008.
- 7-SS (mid-channel, McLane Cove to Stretch Island):  
Sea Grant, 1973-74.
- 11-HC (mid-channel, off Union):  
Sea Grant, 1973-74.
- 10-HC (mid-channel, off Skokomish Flats): Sea Grant, 1973-74.
- 1-SS (Tatsolo Point):  
Sea Grant, 73059.
- 5-E (Holmes Harbor):  
Van Cleve, trap, 1961-65.





*Xeneretmus triacanthus*

Agonidae

Published Records

- 1-PO (Orchard Point):  
 Jordan and Starks, 1896.  
 1-PS: Kincaid, 1919.  
 1-HC: Schultz and DeLacy, 1935-36.  
 1-SJ: Schultz and DeLacy, 1935-36.  
 1-SJ (San Juan Channel, off Friday Harbor):  
 Wismer and Swanson, 1935.

University of Washington  
Museum Collection

- 1-E (east of Gedney Island): 2556.  
 1-E (off Snohomish River): 2885.  
 1-PS: 3116.  
 1-HC (Brinnon): 16535.

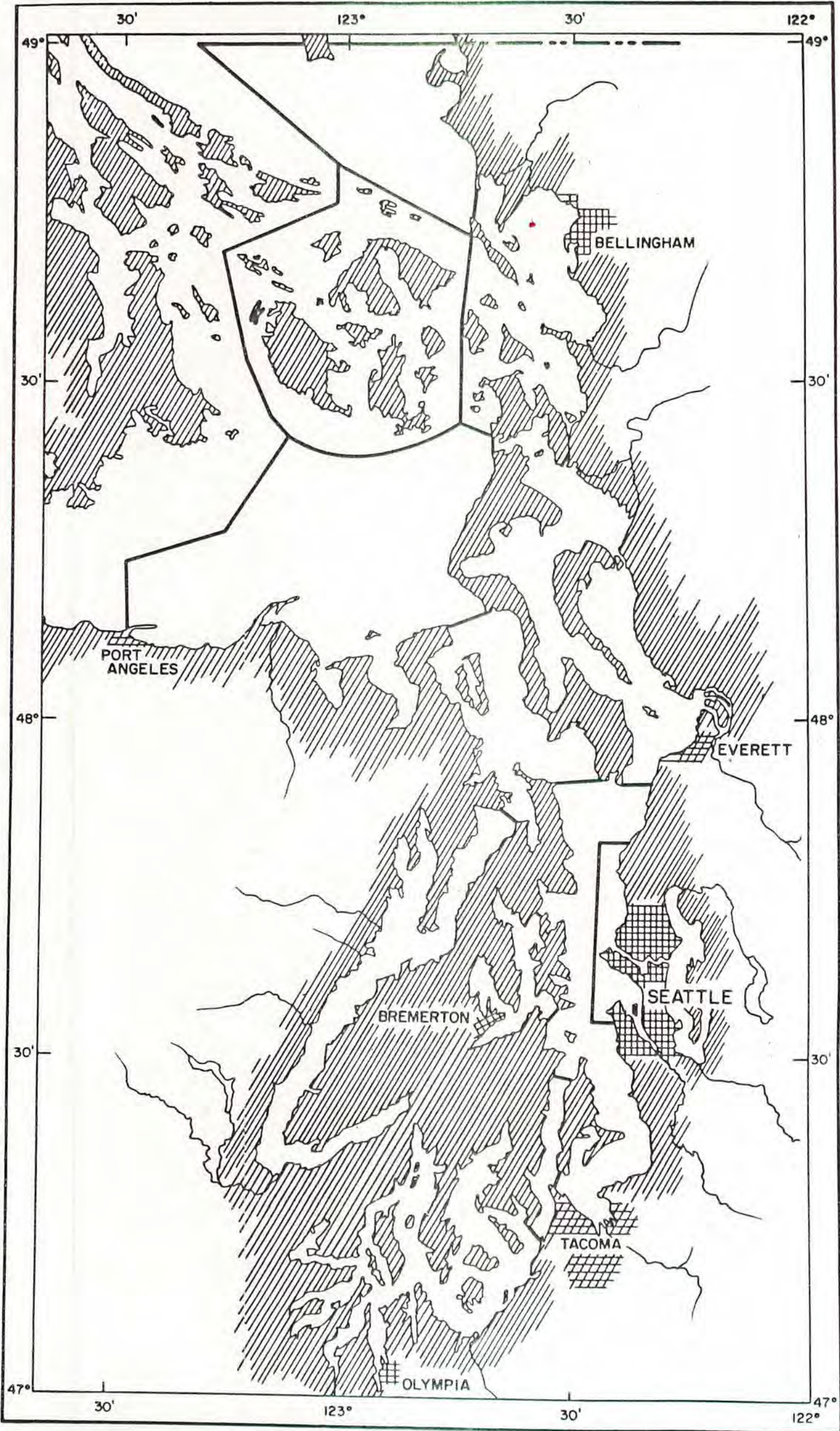
University of Washington Boat Log

- 1-CS (Vashon Island, off Sylvan Beach): 6703A.

Miscellaneous Logs

- 7-S (Duwamish Head to Alki Point):  
 U.W. Ocean., 1964-67.  
 4-S (Meadow Point):  
 U.W. Ocean., 1964-67.  
 1-E (Port Gardner Bay):  
 U.W. Ocean., P.G., 1962-67.  
 1-PO (south of Fletcher Bay):  
 U.W. Ocean., P.O., 1964-65.  
 2-S (Golden Gardens to Meadow Point):  
 U.W. Ocean., Hoh, 1963-68.  
 5-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):  
 U.W. Ocean., Hoh, 1963-67.  
 6-CS (Port Madison):  
 U.W. Ocean., Hoh, 1963-68.  
 7-E (Saratoga Pass., off Demock Point):  
 U.W. Ocean., Hoh, 1963-67.  
 6-E (off Demock Point to Utsalady):  
 U.W. Ocean., Hoh, 1963-67.  
 1-E (Holmes Harbor):  
 U.W. Ocean., Hoh, 1963-67.  
 1-B (Bellingham Bay):  
 U.W. Ocean., Hoh, S.J., 1966.  
 2-E (Holmes Harbor):  
 U.W. Ocean., Hoh, S.J., 1966.  
 1-S (off northwest side of West Point): Sea Grant, 1973.  
 5-S (off southwest side of West Point): Sea Grant, 1973.  
 1-S (deep otter trawl: off West Point): Sea Grant, 1973.  
 3-S (southwest of Alki Point):  
 Sea Grant, 1973.  
 10-S (off southwest of Alki Point):  
 Sea Grant, 1973.







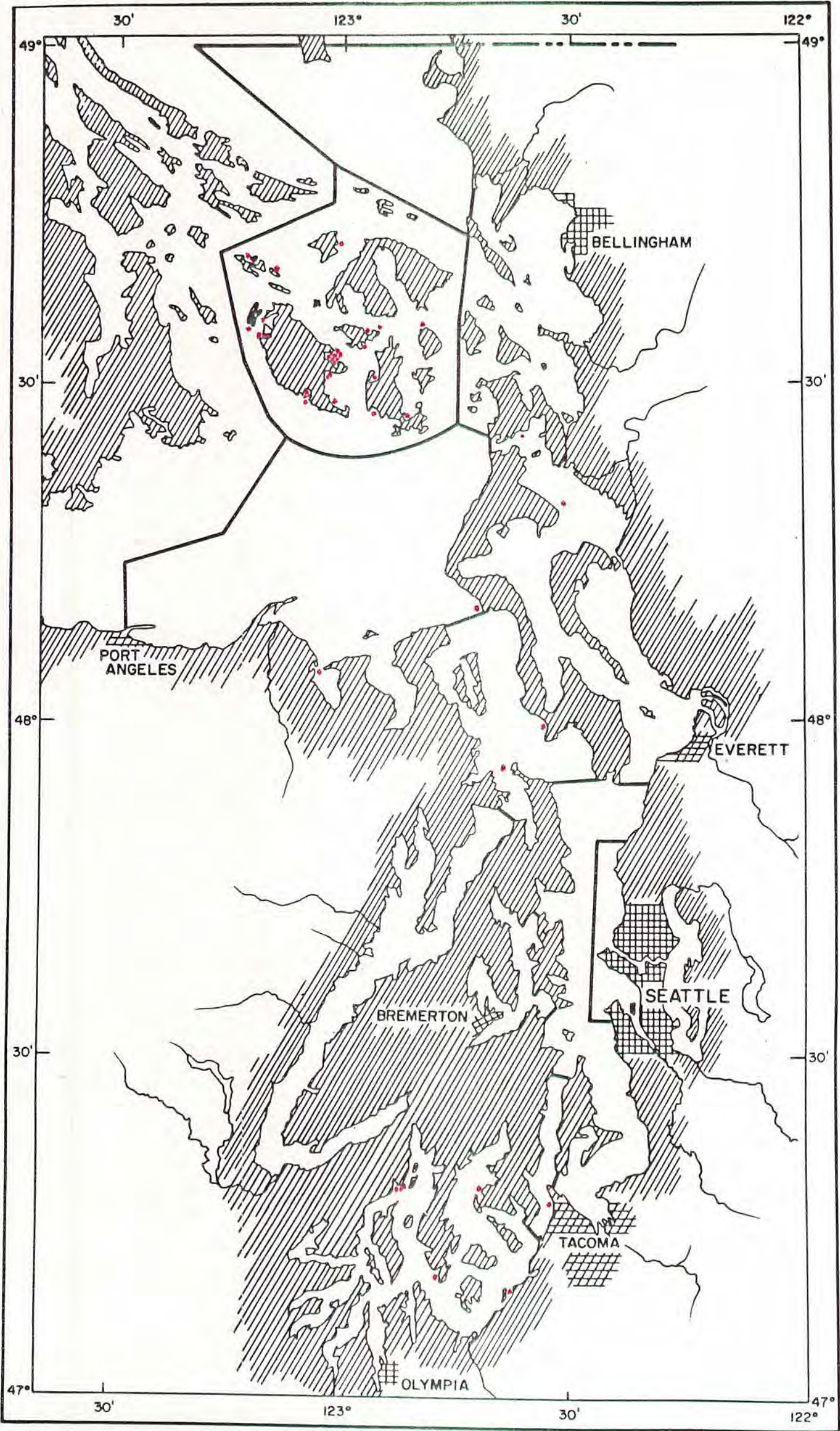
*Careproctus melanurus*

Cyclopteridae

University of Washington  
Museum Collection

1-B (Bellingham Bay): 10787.







*Eumicrotremus orbis*

## Cyclopteridae

Published Records

- 1-PS: Jordan and Starks, 1896.  
 1-SJ: Starks, 1911.  
 1-JF (off Admiralty Head):  
     Evermann and Goldsborough, 1907.  
 1-AI (mouth of Hood Canal):  
     Evermann and Goldsborough, 1907.  
 1-PS: Kincaid, 1919.  
 1-SJ (San Juan Channel, off Friday Harbor):  
     Wismer and Swanson, 1935.  
 1-SJ: Shelford et al., 1935.  
 1-E (Skagit and Similk Bays):  
     Stober and Salo, 1970a.
- 1-SS (northwest of Devils Head):  
     Jerry Ward, personal communication, 1973.  
 2-SJ (Mitchell Bay): Dave Chase, personal communication, 1964.  
 3-SS (McLane Cove toward Stretch Island): Sea Grant, 1973.  
 1-SS (Cormorant Pass.):  
     Sea Grant, 73059.

University of Washington  
Museum Collection

- 4-SJ (Friday Harbor):  
     269; 2188; 2204; 4961.  
 1-SJ (Peavine Pass.): 1098.  
 1-SJ (near Orcas Island): 1316.  
 1-SJ (Griffin Bay): 1764.  
 1-SJ (Davis Bay): 2167.  
 1-SJ (Blind Bay): 2246.  
 1-SJ (Harney Channel): 2259.  
 1-E (near Dewey): 4520.  
 1-CP (near Tacoma): 5116.  
 1-SJ (east of Waldron Island):  
     14758 (also Friday Harbor log,  
     7/10/52-3 and boat 5220L).  
 1-SJ (False Bay): 14759.  
 1-SJ (Lopez Island): 16551.

Friday Harbor Laboratory Log

- 1-SJ (White Point, San Juan Island):  
     7/19/51-1.  
 3-SJ (False Bay):  
     8/4/52-1,2; 8/5/60.  
 1-SJ (north side of Johns Island,  
     second bay): 8/19/52-2.  
 1-SJ (Friday Harbor): 6/21/55-1.  
 1-SJ (Fisherman Bay): 6/24/55-1.  
 1-SJ (Squaw Bay): 8/1/55.  
 2-SJ (south of Satellite Island):  
     8/15/55-1,2.  
 1-SJ (Mud Bay): 8/15/55-3.  
 1-SJ (Prevost Harbor): 7/10/50-4.  
 1-SJ (Open Bay): 7/31/50-4.  
 1-SJ (Friday Harbor lab): 8/4/60-1.  
 1-SJ (Mitchell Bay): 8/16/60-1.  
 2-SJ (Argyle Bay): 7/15/63; 7/8/67.  
 1-SJ (Friday Harbor lab, night  
     night): 1969.

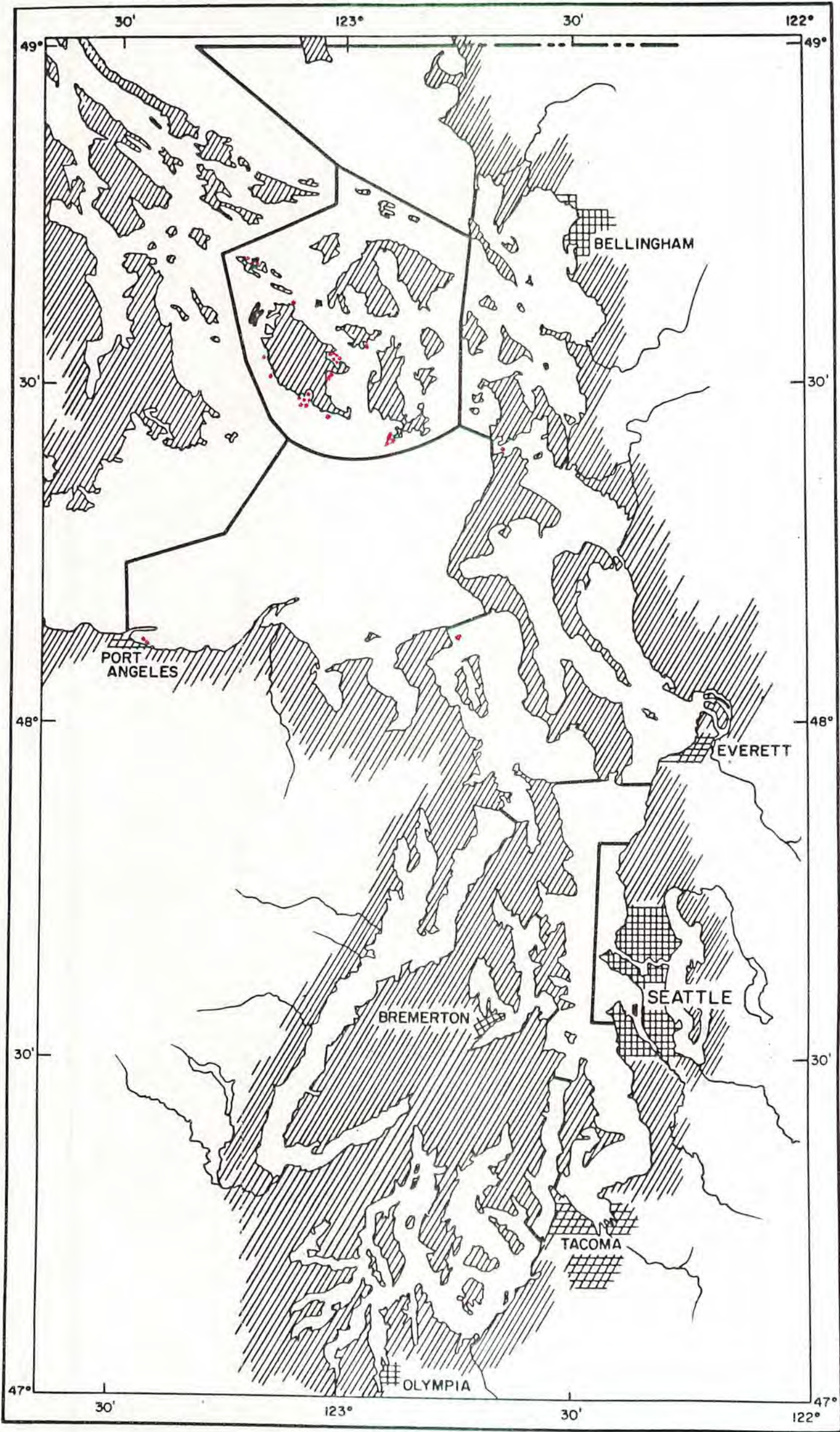
University of Washington Boat Log

- 1-SS (Carr Inlet, east of Cutts  
     Island): 5037D.

Miscellaneous Logs

- 1-JF (Sequim Bay):  
     Battelle, 1967-69.  
 1-AI (beach seine: Mutiny Bay launch  
     ramp): Sea Grant, 72033.







*Liparis calliodon*

Cyclopteridae

Published Records

- 1-JF (Port Angeles):  
 Jordan and Starks, 1896.  
 1-SJ: Starks, 1911.  
 1-AI (Port Townsend): Burke, 1930.  
 1-E (Deception Pass.):  
 Schultz and DeLacy, 1935-36.

University of Washington  
Museum Collection

- 4-SJ (Friday Harbor):  
 1051; 2100; 14773; 14787.  
 1-SJ (False Bay): 1274.  
 2-SJ: 1350; 3541.  
 1-SJ (Kanaka Bay): 10435.  
 1-SJ (Prevost Harbor): 10455 (also  
 Friday Harbor log, 8/19/52).

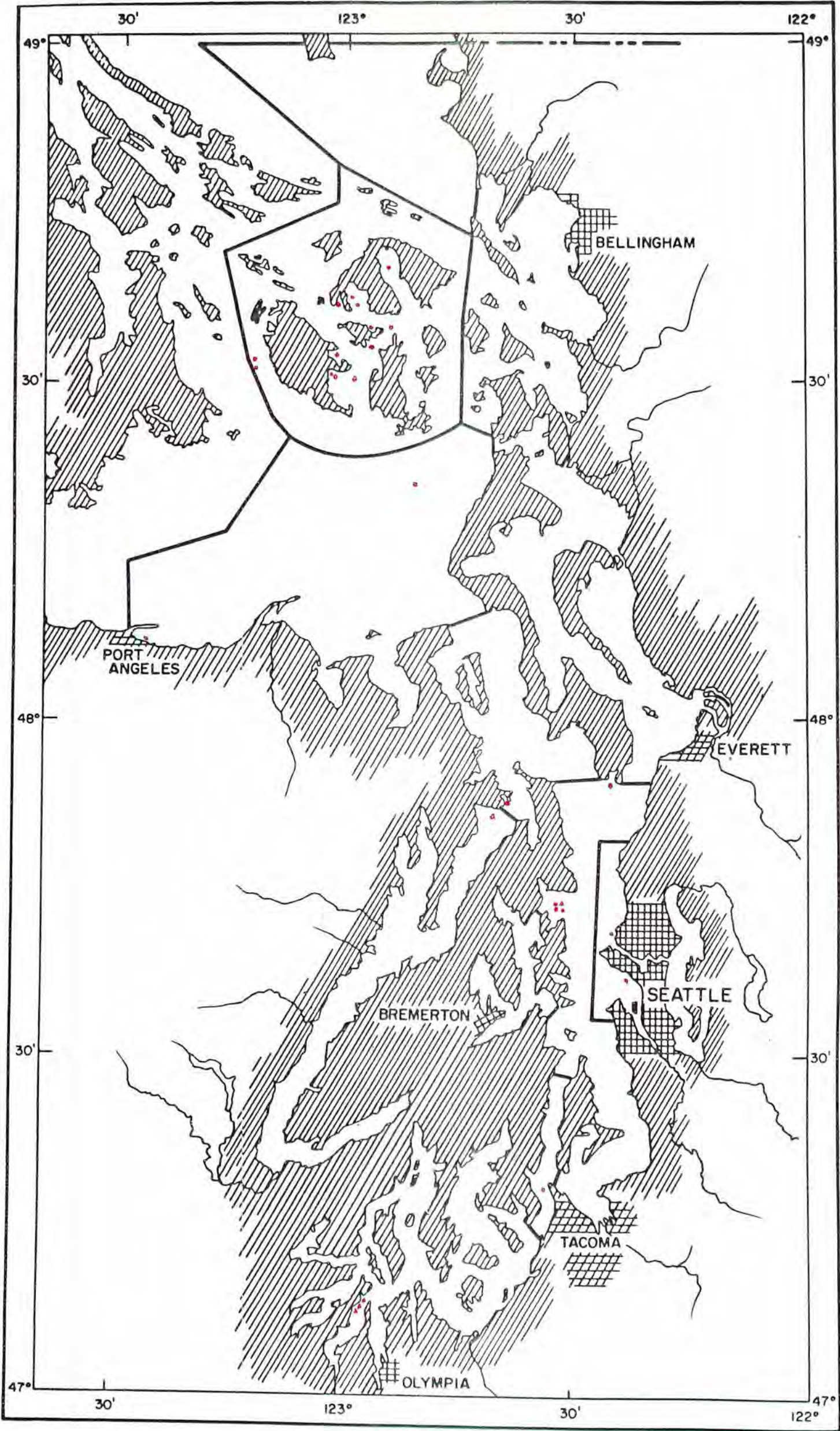
Friday Harbor Laboratory Log

- 1-SJ (American Camp): 7/6/52.  
 3-SJ (Iceberg Point tidepool):  
 7/22/52-3; 8/4/55-2; 8/22/60-1.  
 2-SJ (Friday Harbor lab):  
 7/30/52; 8/1/52.  
 1-SJ (Squaw Bay): 8/1/55.  
 2-SJ (south of Satellite Island):  
 8/15/55-1,2.  
 3-SJ (False Bay):  
 7/24/60; 8/5/60; 6/29/61.  
 2-SJ (Argyle Bay):  
 8/11/60-4; 7/12/61-4.  
 1-SJ (Kanaka Bay): 8/21/60.  
 1-SJ (Iceberg Point): 6/28/61-2.  
 1-SJ (Smallpox Bay): 7/13/61.  
 1-SJ (Deadman Bay): 6/22/63.  
 1-SJ (Limestone Point): 6/23/63.

Miscellaneous Logs

- 1-JF (beach seine: Port Angeles  
 embayment):  
 Peninsula College, 1971.





*Liparis cyclopus*

## Cyclopteridae

Published Records

- 1-S (Seattle):  
     Jordan and Starks, 1896.  
 1-SJ: Starks, 1911.  
 1-JF (Port Angeles): Burke, 1930.

University of Washington  
Museum Collection

- 3-SJ: 1197; 14798; 5390.  
 1-SJ (Deer Harbor): 1227.  
 1-SJ (off Flat Point): 1343.  
 2-SJ (West Sound): 2197; 2228.  
 1-SJ (Blind Bay): 2247.  
 1-SJ (off Brown Island): 2997.  
 1-SJ (East Sound): 6208.  
 1-AI (Bywater Bay): 14679.  
 1-CP (Point Defiance): 14781.  
 1-JF (one mile north of Smith  
     Island): 14794.  
 1-CS (off Cultus Bay):  
     5925 (also boat 5032A).  
 1-S (beach seine: Golden Gardens):  
     16271.  
 1-SJ (San Juan Channel): 1325.  
 1-SJ (off Deadman Bay, near  
     international line): 11680.  
 1-SJ (off Bellevue Point, near  
     international line): 16416.  
 1-SJ: 16418.

Friday Harbor Laboratory Log

- 1-SJ (Upright Head): 8/3/60.  
 2-SJ (Argyle Bay):  
     8/11/60-4; 7/15/63.

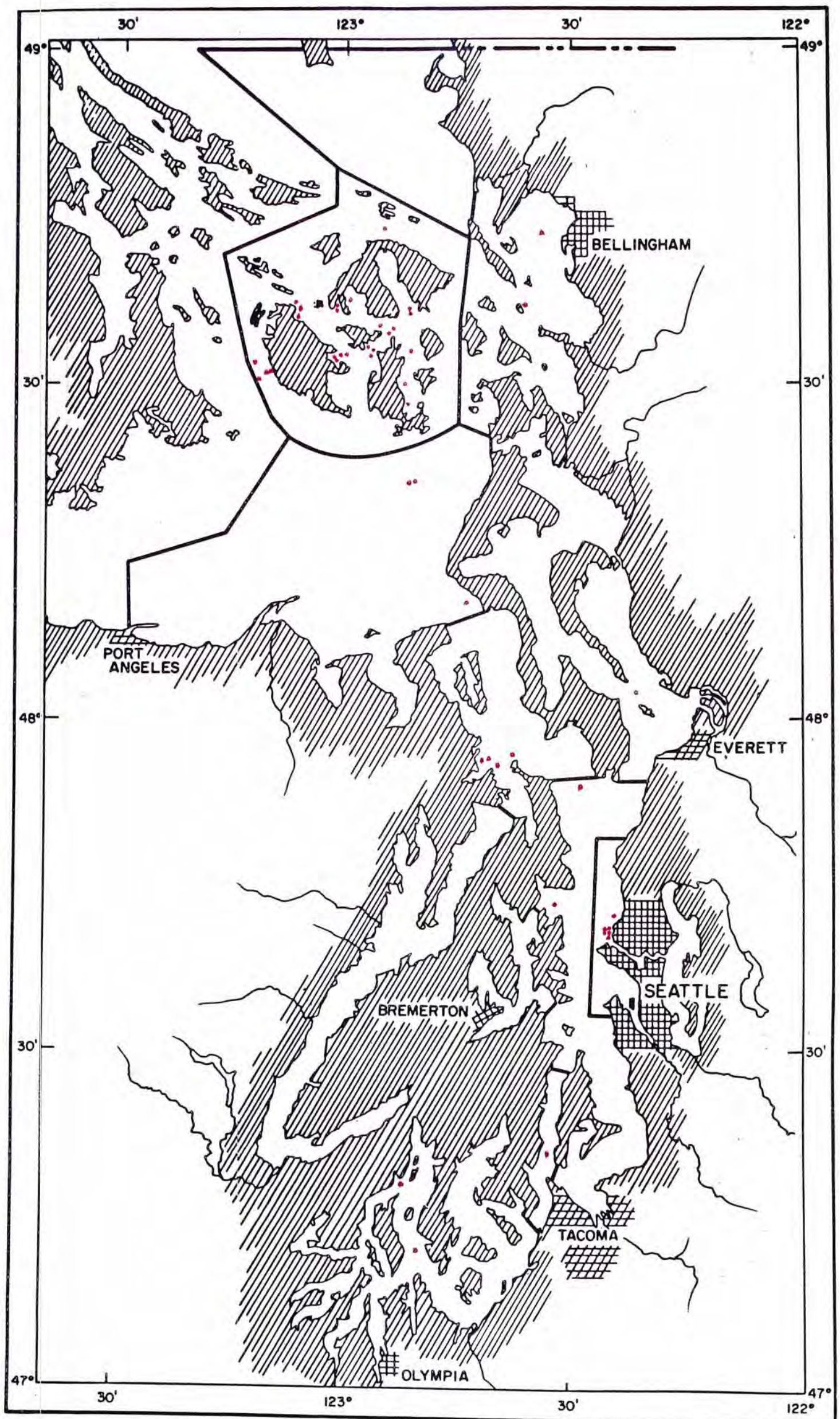
University of Washington Boat Log

- 1-HC (off Sisters buoy): 499C.

Miscellaneous Logs

- 4-CS (Port Madison):  
     Van Cleve, trap, 1961-65.  
 3-SS (Eld Inlet entrance):  
     Van Cleve, trap, 1961-65.







*Liparis dennyi*Published Records

- 1-JF (off Ebeyes Landing):  
Evermann and Goldsborough, 1907  
(as corrected by Burke, 1930).  
2-AI (north of Tala Point; mouth of  
Hood Canal):  
Evermann and Goldsborough, 1907  
(as corrected by Burke, 1930).  
1-SJ: Burke, 1930.  
1-AI: Jordan and Starks, 1896.  
1-AI (Port Ludlow): Starks, 1896b.  
1-SJ: Gilbert and Thompson, 1905.  
1-SJ: Starks, 1911.  
1-SJ: Shelford et al., 1935.

University of Washington  
Museum Collection

- 2-SJ (Deer Harbor): 1228; 1284.  
2-SJ (near Olga): 1283; 1207.  
1-SJ (northeast side of San Juan  
Island): 1295.  
2-SJ (Lopez Island to Blakely  
Island): 1304; 1307.  
3-SJ (Friday Harbor):  
1624; 2101; 2203.  
2-SJ (Flat Point): 1770; 2273.  
2-SJ: 5390; 1215.  
1-SJ (west of Ran Island):  
5832 and 5834 (also boat 491P).  
2-JF (one mile north of Smith  
Island): 14756; 14767.  
1-SJ (north of Orcas Island):  
14779.  
1-S (off Carkeek Park):  
14795 (also boat 5039B).  
1-AI (Foulweather Bluff): 3041.  
1-SJ (O'Neal Island): 1772.  
1-E (Saratoga Pass. to Port Susan):  
2928.  
1-CP (Colvos Pass.): 14786.  
1-CS (Possession Point to Point No  
Point): 5573.  
1-B (east northeast of Vendovi  
Island): 6057.  
1-S (off Golden Gardens): 8508.  
1-S (beach seine: Golden Gardens):  
14797.  
1-SJ (off Bellevue Point, near  
international line): 16417.  
1-SJ (Lime Kiln): 1114.  
1-SJ (Flat Point to Canoe Island):  
1771.  
1-SJ (West Sound): 2227.  
1-SJ (Harney Channel): 2256.  
1-SJ (off Brown Island): 2993.  
1-SJ (off Deadman Bay, near  
international line): 11680.  
1-SJ (Upright and vicinity): 14124.

Friday Harbor Laboratory Log

- 1-SJ (Mineral Point): 8/25/55-3.  
1-SJ (Upright Head): 8/3/60.  
1-SJ (Lopez Sound): 8/22/60-4.  
1-SJ (Deadman Bay): 6/22/63.

## Cyclopteridae

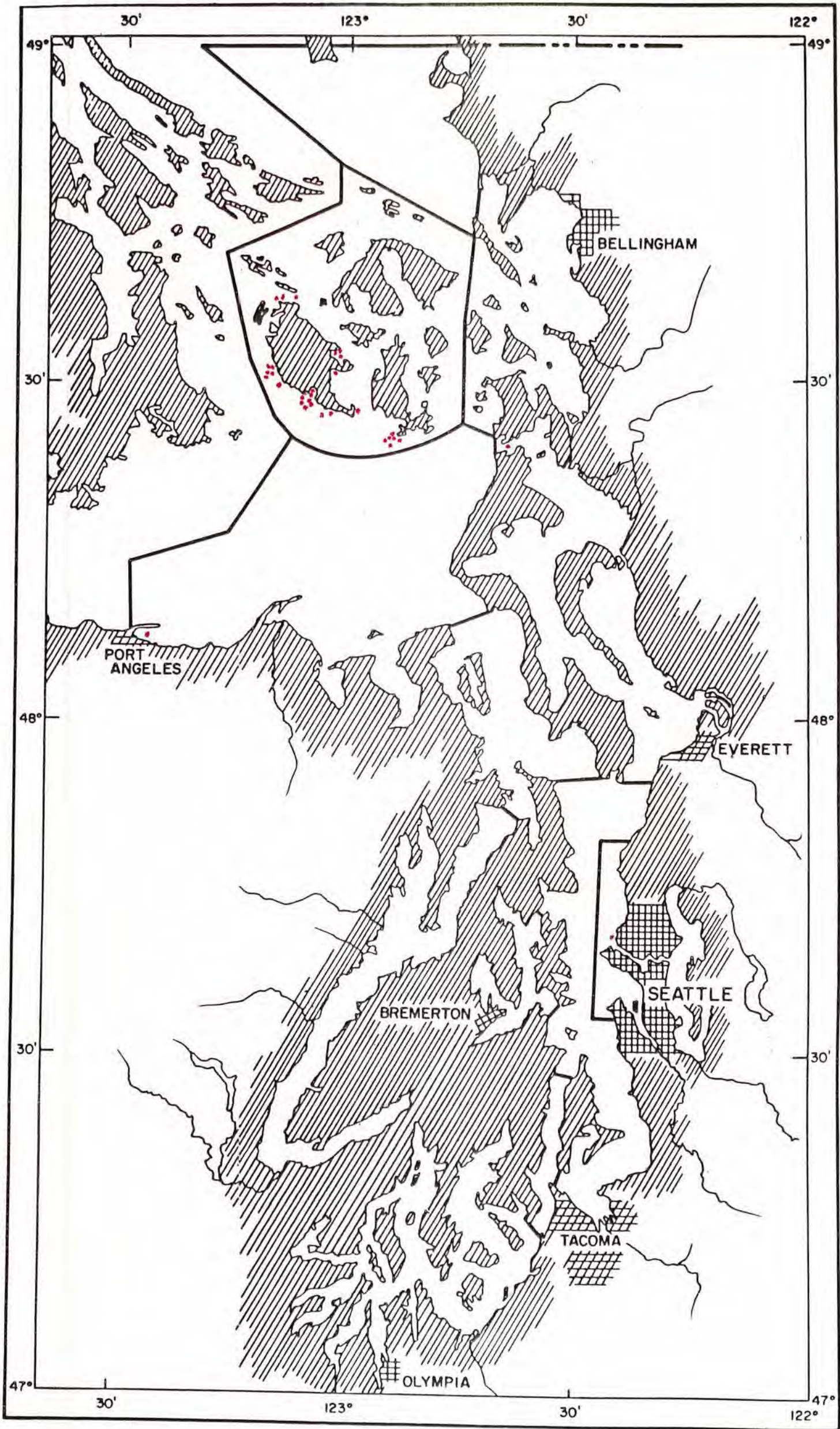
University of Washington Boat Log

- 2-S (beach seine: Golden Gardens):  
5324E; 6518B.

Miscellaneous Logs

- 1-CS (Port Madison):  
Van Cleve, trap, 1961-65.  
1-S (Golden Gardens to Meadow  
Point):  
U.W. Ocean., Hoh, 1963-68.  
1-SS (Case Inlet, off Taylor Bay to  
off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.  
1-B (Bellingham Bay, mid-channel,  
off Nooksack Flats):  
Sea Grant, 72035.  
1-SS (mid-channel, McLane Cove to  
Stretch Island):  
Sea Grant, 1973.







*Liparis florae*

## Cyclopteridae

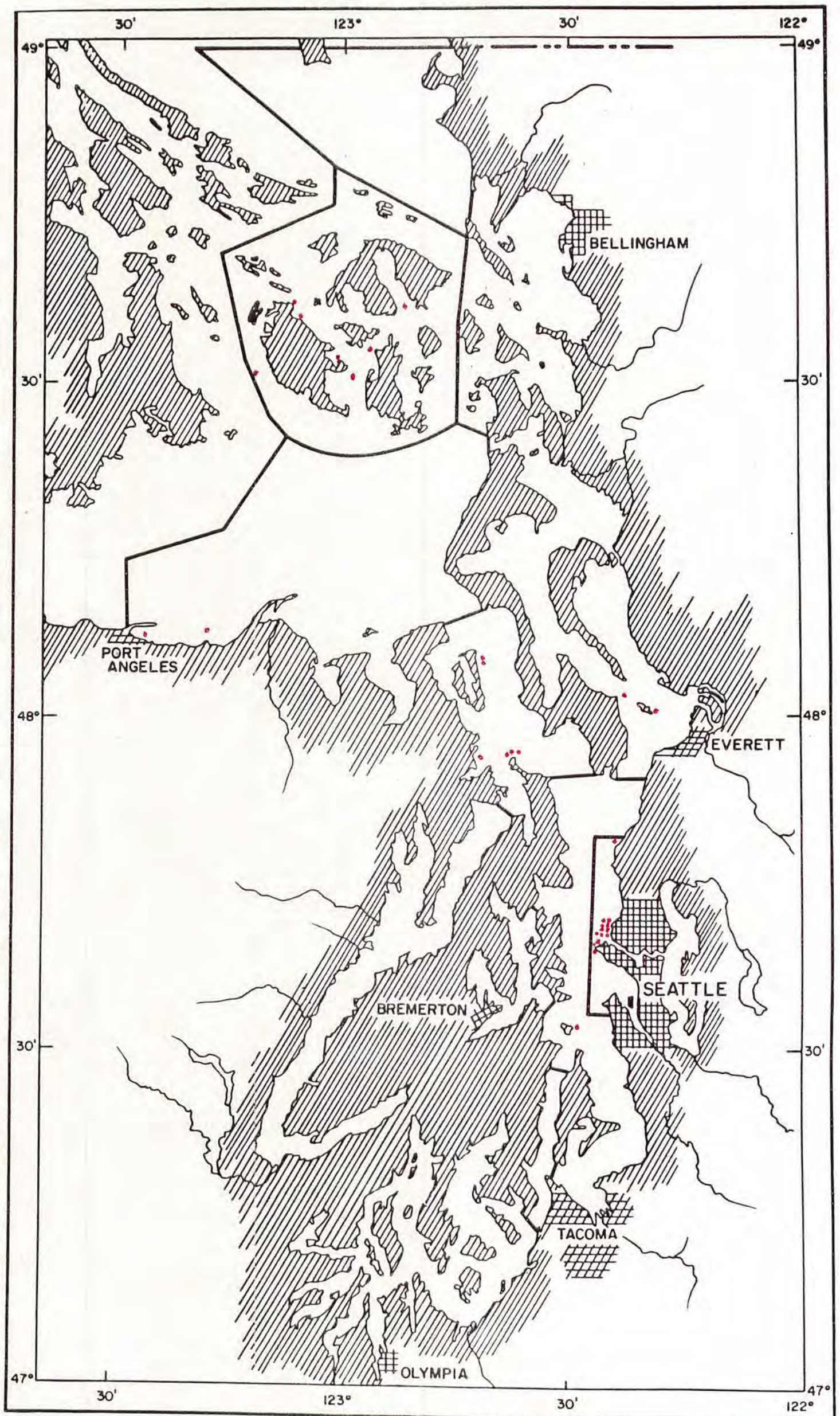
University of Washington  
Museum Collection

- 1-E (Deception Pass.): 168.  
 1-SJ (Lime Kiln): 1034.  
 1-SJ (two miles south of Lime Kiln):  
 1064.  
 3-SJ (Kanaka Bay):  
 1081; 1153; 1253.  
 2-SJ (False Bay): 1273; 6201.  
 1-SJ (False Bay reef): 1486.  
 1-SJ (Friday Harbor): 3705.  
 1-S (Golden Gardens): 14772.  
 2-SJ (Iceberg Point):  
 14790; 17981 (also Friday Harbor  
 log, 7/18/63-2).  
 1-SJ (Hannah Heights): 17992 (also  
 Friday Harbor log, 8/3/63).  
 1-SJ (point east of Eagle Cove):  
 17410 (also Friday Harbor log,  
 8/5/63).  
 1-JF (Port Angeles): 19612.

Friday Harbor Laboratory Log

- 2-SJ (Friday Harbor lab):  
 8/18/55; 7/17/69-2.  
 1-SJ (west of Goose Island):  
 7/13/50-5.  
 1-SJ (Iceberg Point tidepool):  
 8/22/60-1.  
 4-SJ (Deadman Bay): 6/22/63;  
 8/2/63; 7/3/67; 7/11/67-1.  
 1-SJ (Limestone Point): 6/23/63.  
 1-SJ (Argyle Bay): 7/15/63.  
 3-SJ (Iceberg Point):  
 7/19/63-2; 7/7/67; 6/30/69-5.  
 1-SJ (Hannah Heights): 7/6/67.  
 1-SJ (Eagle Point): 7/5/67.  
 2-SJ (False Bay):  
 7/18/67; 7/1/69-4.







*Liparis fucensis*

## Cyclopteridae

Published Records

- 1-JF (beach seine: Port Angeles):  
 Gilbert, 1895.  
 1-AI (Port Ludlow): Starks, 1896b.  
 1-SJ (near Friday Harbor):  
 Powers, 1921.  
 1-AI (Foulweather Bluff):  
 Hart, 1935.

University of Washington  
Museum Collection

- 1-SJ (San Juan Channel): 1237.  
 1-SJ (East Sound entrance): 1292.  
 1-SJ (off Flat Point): 1348.  
 1-SJ (Rocky Point, San Juan Island):  
 2211.  
 1-E (east of Gedney Island): 2576.  
 1-E (Saratoga Pass., Sandy Point):  
 2666.  
 2-AI (Foulweather Bluff):  
 4847; 5117.  
 1-JF (off Green Point, 15 fathoms):  
 4955.  
 1-S (Edmonds Beach): 5452.  
 1-S (off Golden Gardens):  
 5884 (also boat 5029B).  
 1-S (off West Point):  
 8119 (also boat 5103I).  
 1-S (Golden Gardens): 14765.  
 1-CS (off east end of Blake Island):  
 14789.  
 1-S (beach seine: Golden Gardens):  
 16270.  
 1-SJ (off Deadman Bay, near  
 international line): 11680.

Friday Harbor Laboratory Log

- 1-SJ (off Mineral Point):  
 8/25/55-3.

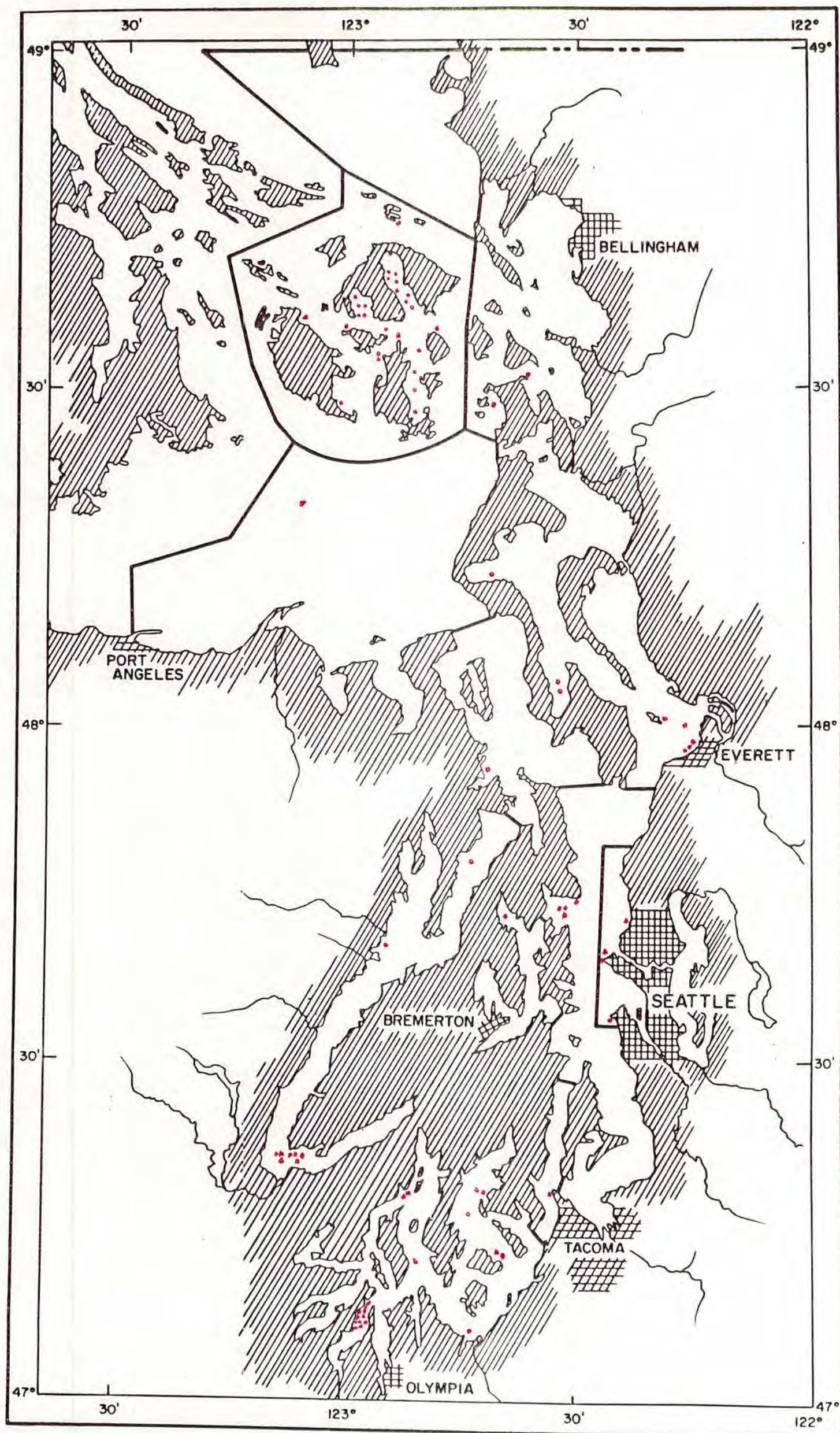
University of Washington Boat Log

- 2-S (off Golden Gardens):  
 5029B; 5131C.  
 4-S (beach seine: Golden Gardens):  
 5047A; 5134A; 5214F; 6513A.  
 2-AI (training cruise area: east of  
 north Marrowstone Island):  
 6603J; 6614J.

Miscellaneous Logs

- 1-S (off northwest side of West  
 Point): Sea Grant, 1973.  
 1-S (deep otter trawl: off West  
 Point): Sea Grant, 1973.







*Liparis pulchellus*

## Cyclopteridae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.  
 1-PS: Jordan and Starks, 1896.  
 1-SJ: Starks, 1911.  
 1-SJ: Shelford et al., 1935.  
 1-E (Coupeville): Smith, 1936.  
 1-CS (beach seine: south side of Point Jefferson): Kendall, 1966.

University of Washington  
Museum Collection

- 1-B (Anacortes): 61.  
 1-SJ (near Peavine Pass.): 1202.  
 1-SJ (between Lopez Island and Blakely Island): 1305.  
 1-SJ (near Orcas Island): 1321.  
 1-HC (Brinnon): 1346.  
 2-SJ (Flat Point): 2084; 2218.  
 1-SJ (Rocky Bay): 2146.  
 1-SJ (Griffin Bay): 2160.  
 1-JF (Hein Bank): 2221.  
 3-SJ (West Sound): 2229; 8204; 19652.  
 1-SJ (Wasp Pass.): 1768.  
 1-E (east of Gedney Island): 2575.  
 1-E (off Snohomish River): 2621.  
 1-B (Burrows Bay): 4177.  
 1-S (Carkeek Park): 5566.  
 1-CS (off Indianola): 5889 (also boat 3/25/49-3).  
 1-PO (Liberty Bay): 14785.  
 1-HC (off Thorndike Bay): 8203 (also boat 499J).  
 1-CP (Point Defiance Beach): 14776.  
 1-SJ (west of Ram Island): 5833 (also boat 491P).  
 1-SJ (Sucia Island): 1769.  
 1-SJ (Harney Channel): 2260.  
 5-SJ (East Sound): 2292; 14775 (also Friday Harbor log, 8/11/52); 19656 (also NIH, 1964-66); 19649; 19669.  
 1-SJ (south of Spencer Spit): 6039.  
 1-GS (Point Roberts): 6118.

Friday Harbor Laboratory Log

- 1-SJ (East Sound): 8/11/52.  
 1-SJ (Upright Head): 8/3/60.  
 1-SJ (Lopez Sound): 8/22/60-4.  
 2-SJ (West Sound): 8/4/61-1; 6/20/69-2.

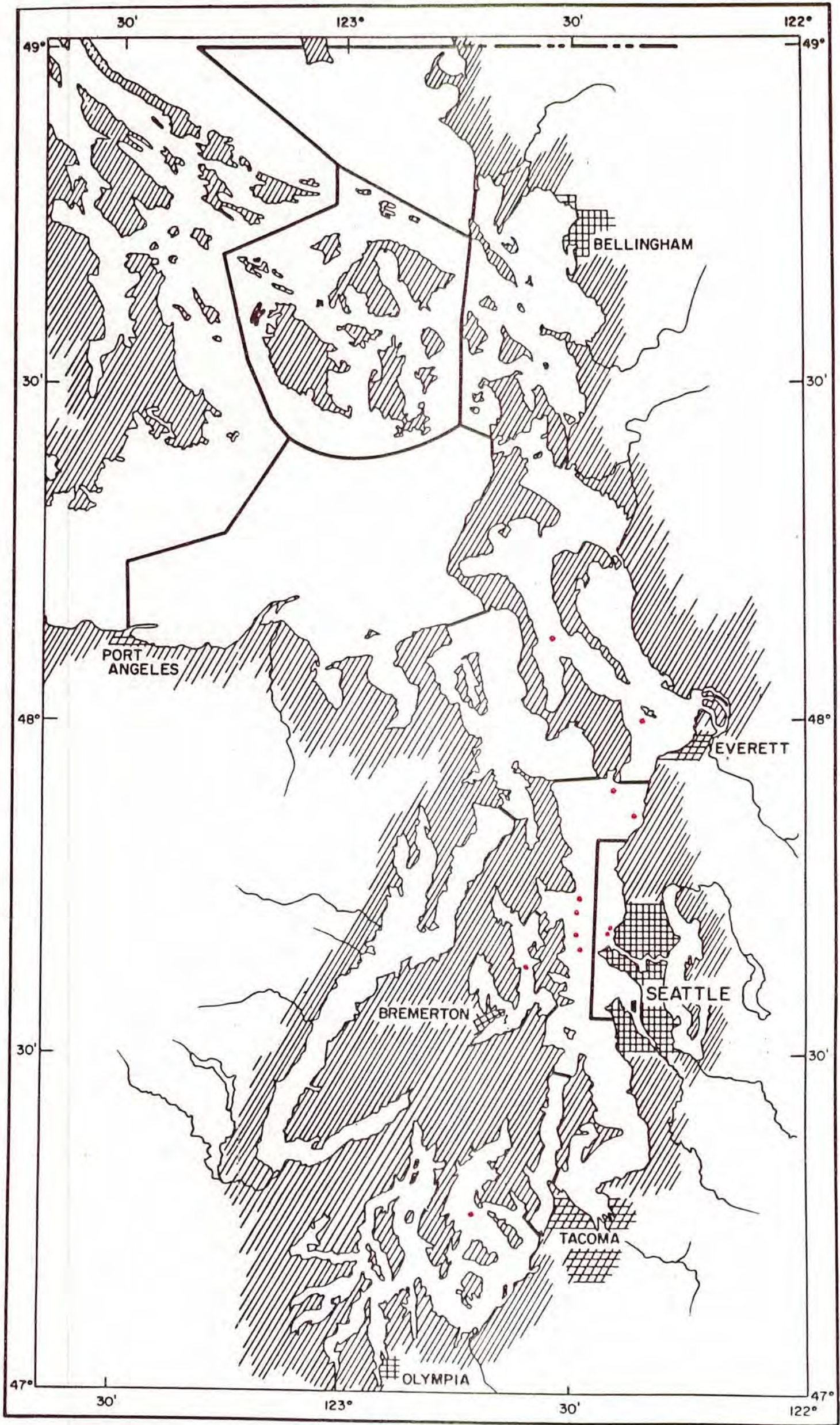
University of Washington Boat Log

- 1-SS (Carr Inlet, east of Cutts Island): 5037D.  
 1-SS (Carr Inlet, off Gertrude Island): 5046D.  
 1-CS (Port Madison): 5048B.  
 1-SS (mouth of Carr Inlet, mid-channel, west of Gibson Point): 5104C.  
 1-SS (Carr Inlet, west of Green Point): 5104S.

Miscellaneous Logs

- 2-E (Port Gardner Bay): U.W. Ocean., 1962-67.  
 1-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.  
 1-E (Everett Harbor): NMFS Cobb, 1/20/61  
 1-CS (Port Madison): Van Cleve, trap, 1961-65.  
 11-SS (Eld Inlet entrance): Van Cleve, trap, 1961-65.  
 1-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 72034.  
 1-S (beach seine: north side of West Point): Sea Grant, 1973.  
 1-S (deep otter trawl: off West Point): Sea Grant, 1973.  
 1-S (southwest of Alki Point): Sea Grant, 1973.  
 2-SS (mid-channel McLane Cove to Stretch Island): Sea Grant, 1973-74.  
 1-HC (off Union): Sea Grant, 1973.  
 3-HC (mid-channel, off Union): Sea Grant, 1973.  
 1-HC (off Skokomish Flats): Sea Grant, 1973.  
 2-HC (mid-channel, off Skokomish River Delta): Sea Grant, 1973.







*Nectoliparis pelagicus*

## Cyclopteridae

University of Washington  
Museum Collection

- 1-CS (off southwest of Norma Beach):  
19184 (also NMFS, Cobb 75).
- 1-E (off Gedney Island): 19185.
- 1-S (off Golden Gardens):  
19166 (also NMFS, Cobb 75).
- 1-E (Saratoga Pass., north of Holmes  
Harbor): 19167.
- 1-S (off Golden Gardens): 8509.

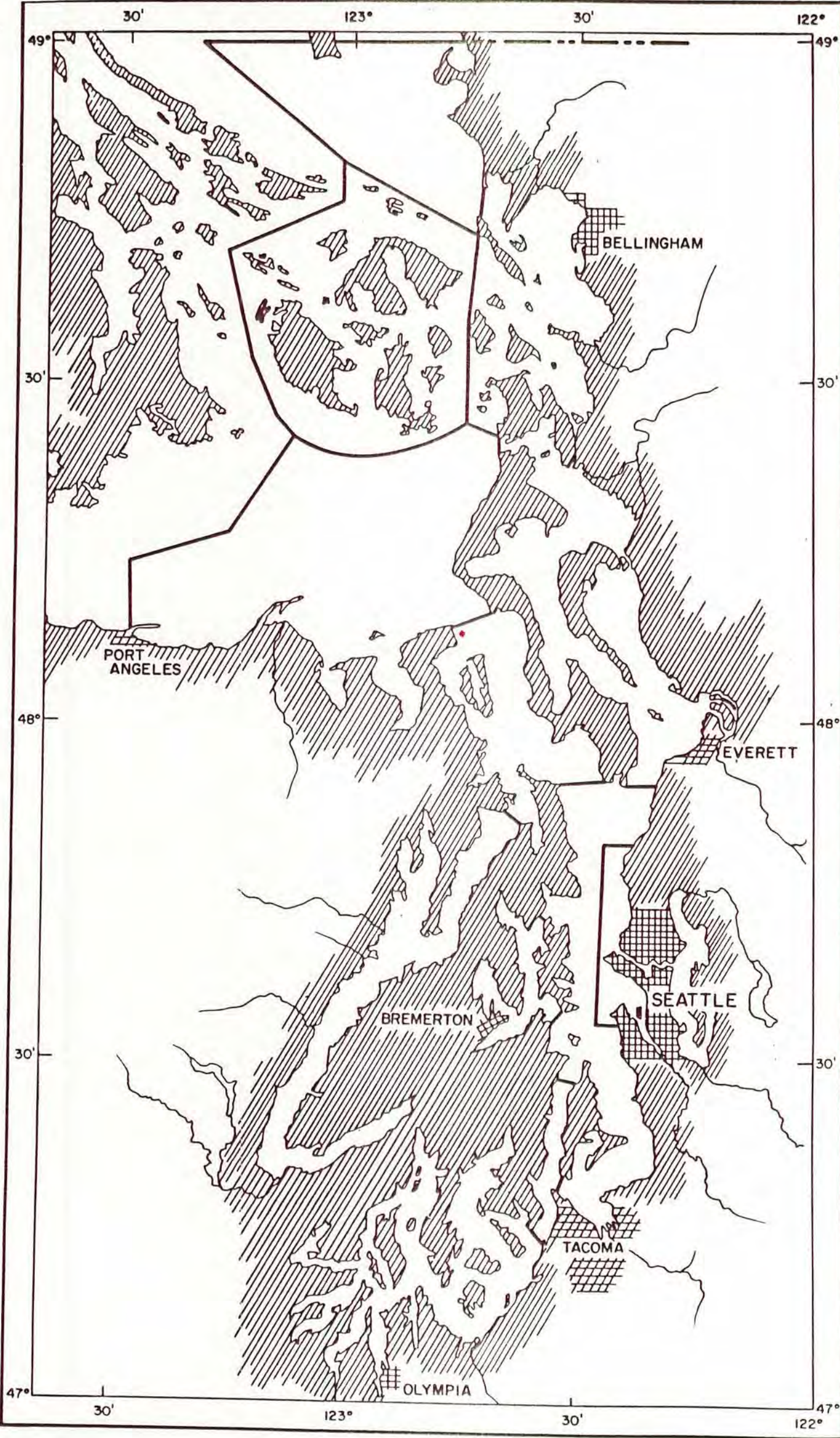
University of Washington Boat Log

- 1-CS (training cruise area: mid-  
channel, Skiff Point to West  
Point): 7213B.

Miscellaneous Logs

- 3-CS (Skiff Point to Point  
Jefferson): U.W. Ocean., herring  
trawl, 1968-69.
- 1-SS (mouth of Carr Inlet): U.W.  
Ocean., herring trawl, 1968-69.
- 1-PO (south of Fletcher Bay): U.W.  
Ocean., herring trawl, 1968-69.
- 1-CS (south of Possession Point):  
NMFS, Cobb, 2/28/73.







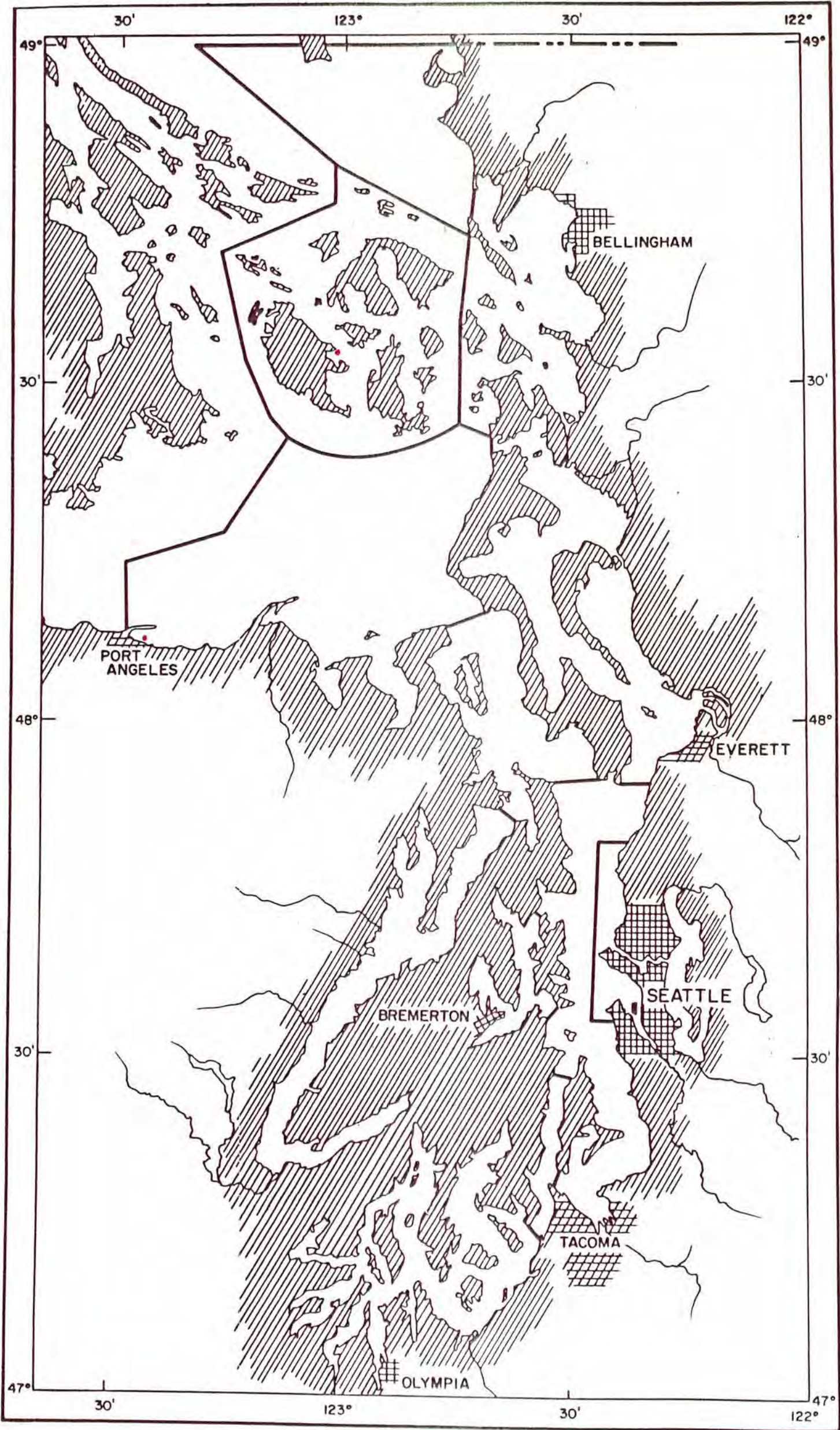
*Polyperc beringiana*

Cyclopteridae

Published Records

1-AI (Port Townsend): Burke, 1930.







*Polypera greeni*

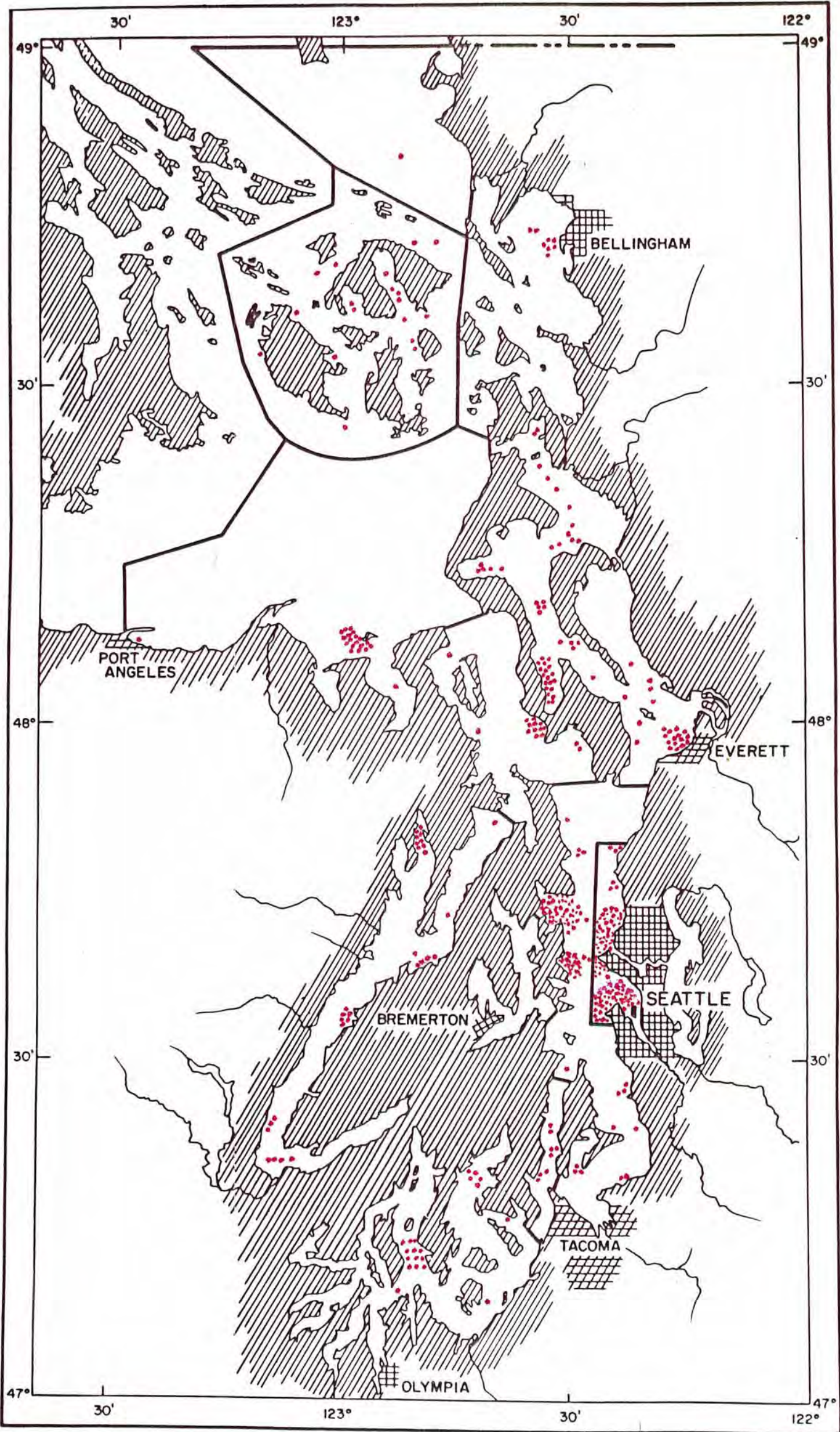
Cyclopteridae

Published Records

1-PS: Kincaid, 1919.

University of Washington  
Museum Collection1-SJ (Friday Harbor lab dock):  
10441.Miscellaneous Logs1-JF (beach seine: Port Angeles  
embayment):  
Peninsula College, 1971.







*Citharichthys sordidus*

## Bothidae

Published Records

- 1-PS: Jordan and Gilbert, 1882.  
 1-JF (beach seine: Port Angeles):  
 Gilbert, 1895.  
 1-PS: Kincaid, 1919.  
 1-GS: Smith, 1936.  
 3-E (Coupeville): Smith, 1936.  
 1-SS (Hale Pass.): Smith, 1936.  
 2-B (Bellingham Bay): Smith, 1936.  
 1-SJ (Obstruction Island):  
 Smith, 1937.  
 3-HC (Hoodsport): Smith, 1937.  
 2-E (Columbia Beach; Gedney Island):  
 Smith, 1937.  
 1-SS (Anderson Island):  
 Smith, 1937.  
 1-CS (north of Point Pully):  
 Smith, 1937.  
 2-E (Skagit and Similk Bays):  
 Stober and Salo, 1970b.  
 1-E (Similk Bay):  
 Stober and Salo, 1970a.  
 36-S (Duwamish Head): Salo, 1969.  
 1-E (Port Gardner Bay): Salo, 1969.  
 2-E (Skagit Bay): Salo, 1969.  
 1-S (Seattle Harbor):  
 Townsend, 1935.  
 2-E (Saratoga Pass.; Utsalady):  
 Townsend, 1935.  
 2-SJ (Blakely Island; San Juan  
 Island): Townsend, 1935.  
 2-CS (Dumas Bay): Miller, 1971b  
 (also NIH, 71105 and 71106).  
 2-CS (Seahurst County Park):  
 Miller, 1971a (also NIH, 71101  
 and boat 7113).  
 4-HC (Anderson Cove): Chew, 1970.

University of Washington  
Museum Collection

- 1-SJ (Friday Harbor): 859.  
 1-E (Utsalady): 864.  
 1-SJ (Lopez Island to Blakely  
 Island): 1310.  
 1-SJ (San Juan Island): 1429.  
 1-PS: 1865.  
 1-E (Saratoga Pass., Camano Head):  
 2541.  
 1-S (Seattle Harbor): 3088.  
 1-E (Holmes Harbor): 3686.  
 2-S (North Beach): 4496; 4629.  
 1-S (beach seine: spit near Ballard  
 Locks): 4587.  
 1-CP (south end of West Pass.):  
 5658 (also boat 7/21/49-1).  
 1-CP (off Camp Sealth):  
 5821 (also boat 5009F).  
 1-AI (Oak Bay, north of Olele  
 Point): 5823 (also boat 5009C).  
 2-S (off Golden Gardens):  
 5966 (also boat 5007C); 6017  
 (also boat 494B).  
 1-S (Richmond Beach): 11575.  
 1-E (Holmes Harbor, off Dines  
 Point): 6145.

- 1-E (off Mission Bar):  
 5992 (also boat 5023F).  
 1-S (beach seine: south of Edmonds):  
 10366.  
 1-E (Port Susan, off Spee-Bi-Dah):  
 14816 (also boat 5023D).  
 1-HC (off Sisters light buoy):  
 6113.  
 1-SJ (off White Rock): 14849.

Friday Harbor Laboratory Log

- 1-SJ (off northwest of Barnes  
 Island):  
 6/20/50-3 (also boat 5033J).  
 1-SJ (Salmon Banks): 7/7/52-3.  
 2-SJ (East Sound):  
 8/11/52; 7/26/60.  
 1-SJ (Presidents Channel): 8/20/60.  
 2-SJ (West Sound):  
 6/26/61; 6/20/69-2.  
 1-SJ (Smallpox Bay): 7/13/61.  
 1-SJ (Upright Head to Olga):  
 8/1/60-2.

University of Washington Boat Log

- 1-SJ (off Raccoon Point toward  
 Barnes Island): 491F.  
 1-SJ (training cruise area: East  
 Sound, north of Rosario Point):  
 6614H.  
 1-B (Bellingham Bay): 6822G.  
 5-B (Bellingham Bay, training cruise  
 area, southwest of Post Point):  
 6603G; 6620G; 7118G; 7010G;  
 7017G.1.  
 1-E (off Tulalip Bay): 7/1/49-1.  
 1-E (Penn Cove mouth, off Long Point  
 to off Snatelum Point): 5213A.  
 6-E (Holmes Harbor, south of  
 Classic):  
 5234E; 5307P; 5312B,C; 5316D,E.  
 11-E (Holmes Harbor):  
 5305L,M; 5327A,B; 5405A,D,F;  
 5418C; 5420B,C; 5604D.  
 1-E (Holmes Harbor, Rocky Point to  
 Dines Point): 5307K.  
 1-E (Penn Cove, off Coupeville to  
 Lovejoy Point): 5316I.  
 4-E (Saratoga Pass., Onamac Point to  
 Indian Beach):  
 5321L; 5405L,N; 5418L.  
 1-E (Holmes Harbor, Dines Point to  
 Classic): 5312J.  
 3-E (Elger Bay): 5321N; 5418I,J.  
 1-E (Saratoga Pass., off Saratoga to  
 Langley): 5321O.  
 1-E (Saratoga Pass., off Cama Beach  
 to Lowell Point): 5712D.  
 8-HC (Dabob Bay, Broad Spit to Long  
 Spit): 6629A; 7702D,F; 6804G,H;  
 7202D,H,I.  
 2-HC (Anderson Cove): 7009B,D.



*Citharichthys sordidus*

## Bothidae

University of Washington Boat Log

11-CS (Port Madison):  
 1/22/49/2,4,5; 3/25/49-3;  
 6/30/49; 492A; 5043A; 5122A;  
 5812A; 5932A; 6204B.  
 3-CS (mouth of Quartermaster  
 Harbor): 5042A; 5104B; 5115H.  
 1-CS (off Port Madison): 5043B.  
 1-CS (Tramp Harbor): 5104A.  
 1-CS (north of Des Moines): 5224A.  
 5-CS (Port Madison, off Agate  
 Pass.): 5232A; 5236A; 5302AA;  
 5310.2F; 5317C.  
 1-CS (west of Point Monroe):  
 5315D.  
 1-CS (off Fay Bainbridge State  
 Park): 5805A.  
 4-CS (east of Point Monroe):  
 5805C; 5813A,B,C.  
 1-CS (mid-channel, Meadow Point to  
 Port Madison): 5911B.  
 1-CS (training cruise area: mid-  
 channel, Skiff Point to West  
 Point): 7308B.  
 24-CS (Murden Cove): 6610A,C,D;  
 6616; 6710A; 6713C,D,G,H; 6812D,  
 E; 6818A,B,C; 6819X; 6906B,D,E;  
 6912; 7008A; 7108A,B,C,D.  
 1-CS (Port Madison, trap): 6213-3.  
 3-CS (off Murden Cove):  
 6710A2,B2,C2.  
 1-CS (Vashon Island, off Sylvan  
 Beach): 6703A.  
 1-CS (off West Point): 7017Y.  
 8-PO (off Fletcher Bay to south of  
 Battle Point and Brownsville):  
 5230F; 5232C; 5235P; 5317A;  
 6016B5; 6111A; 6205D2; 6507K.  
 1-PO (off Manzanita to Seabold):  
 5310.5B.  
 1-PO (Agate Pass., buoy N4 to N6):  
 5310.5F.  
 1-PO (off south of Fletcher Bay):  
 5413D.  
 5-PO (most off Fletcher Bay):  
 6203B; 6204A; 6214; 7107A,B.  
 1-PO (south of Agate Pass. Bridge):  
 6711A.  
 9-S (beach seine: Golden Gardens to  
 Meadow Point): 5007D; 5015A;  
 5018A; 5032.1A; 5215B; 5914A;  
 5925B; 6513A; 6518B.  
 11-S (off Meadow Point to Carkeek  
 Park):  
 5020A; 5039E; 5041B; 5203A;  
 5211B,C; 5212B,E,F; 5216A; 5233A.  
 69-S (off Golden Gardens to Meadow  
 Point): 491A; 492F; 493B; 494C,  
 E; 495D; 496A,C; 498B; 4910A;  
 5009L; 5014C; 5017C; 5028A,B,C;  
 5029B,C; 5034B,D; 5039D; 5110B,C;  
 5112B,C; 5119C,D,G,H; 5129C;  
 5131C; 5132A; 5203C,D; 5210A,C;  
 5314C; 5324C; 5329C,D; 5512E;  
 5516C; 5521A; 5607B; 5702AN;  
 5704E; 5707J,K; 5907B,C,D; 5911A;

5920A,B,E,F; 5924C; 6010C; 6018A;  
 6112A,B,C; 6114A; 6206B; 6311A,D;  
 6506A,C; 6510C.  
 2-S (off Meadow Point to Carkeek  
 Park): 5606A; 6414B.  
 1-S (Alki Point to Duwamish Head):  
 5027A.  
 1-S (off Four-Mile Rock to Pier 91):  
 5027C.  
 1-S (south of West Point to off  
 Four-Mile Rock): 5027D.  
 2-S (off Edmonds): 6119R,T.  
 1-S (beach seine: north side of West  
 Point): 7311C.  
 1-S (off West Point sewer outfall):  
 6718-6.  
 2-CP (off Camp Sealth): 5104CC,DD.  
 1-CP (off north of Sandford Point):  
 7/18/49-1.  
 1-CP (off Paradise Cove to Point  
 Sandford): 5126N.  
 3-SS (Carr Inlet, off Glen Cove):  
 5101E; 51040; 5201A.  
 2-SS (off Cutts Island): 5104K,AA.  
 1-SS (Dana Pass.): 5201J.

Miscellaneous Logs

2-E (Skagit and Similk Bays):  
 WSDF, Sport Fish., 1965-70.  
 2-E (Everett):  
 WSDF, Sport Fish., 1965-70.  
 4-S (Elliott Bay):  
 WSDF, Sport Fish., 1965-70.  
 21+-HC: WSDF, Sport Fish., 1965-70.  
 50+-S (Duwamish Head to Alki Point):  
 U.W. Ocean., 1964-67.  
 11-E (Port Gardner Bay):  
 U.W. Ocean., P.G., 1962-67.  
 2-PO (south of Fletcher Bay):  
 U.W. Ocean., P.O., 1964-65.  
 46+-S (Golden Gardens to Meadow  
 Point):  
 U.W. Ocean., Hoh, 1963-68.  
 2-S (Richmond Beach):  
 U.W. Ocean., Hoh, 1963-68.  
 2-S (Meadow Point):  
 U.W. Ocean., Hoh, 1963-68.  
 1-PO (south and north of Fletcher  
 Bay): U.W. Ocean., Hoh, 1963-67.  
 1-HC (Seabeck):  
 U.W. Ocean., Hoh, 1963-67.  
 12-SS (Case Inlet, off Taylor Bay to  
 off Whiteman Cove):  
 U.W. Ocean., Hoh, 1963-67.  
 29-CS (Port Madison):  
 U.W. Ocean., Hoh, 1963-68.  
 2-E (off Demock Point to Utsalady):  
 U.W. Ocean., Hoh, 1963-67.  
 1-E (Port Gardner Bay):  
 U.W. Ocean., Hoh, 1963-67.  
 3-CS (Apple Cove Point):  
 U.W. Ocean., Hoh, S.J., 1966.  
 1-CS (Pilot Point):  
 U.W. Ocean., Hoh, S.J., 1966.



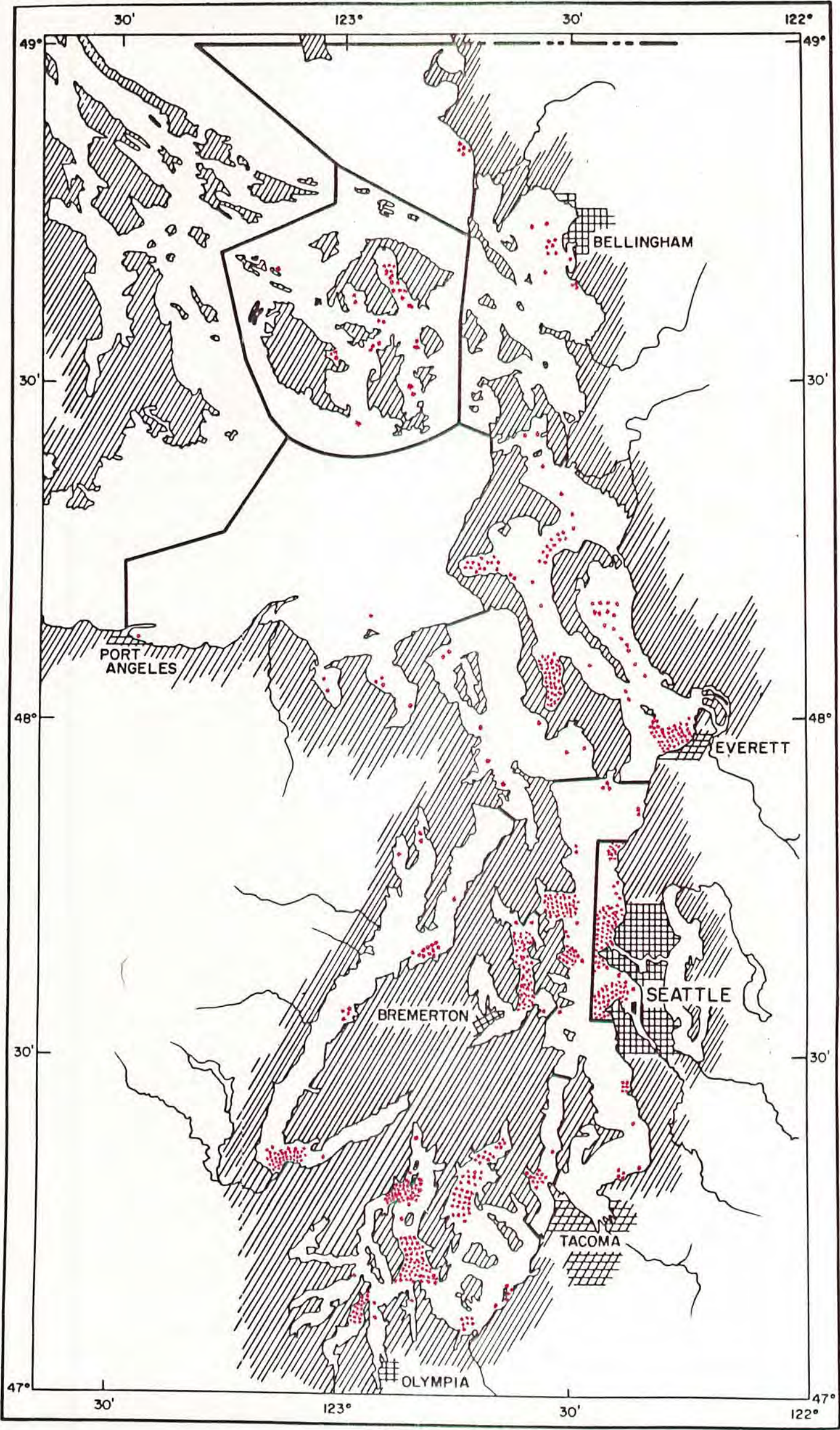
*Citharichthys sordidus*

## Bothidae

Miscellaneous Logs

- 2-AI (Useless Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Mutiny Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Port Townsend Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Port Discovery):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Utsalady):  
U.W. Ocean., Hoh S.J., 1966.
- 18-JF (west of Protection Island):  
NMFS, Cobb, 2/18/73.
- 1-CP (off Gig Harbor Spit): Sea  
Grant, 72003 (also boat 7208).
- 1-CP (off Gig Harbor Spit):  
Sea Grant, 72025.
- 2-HC (off Big Beef Harbor):  
Sea Grant, 1972.
- 1-E (east and northeast of Gedney  
Island):  
NMFS, Streeter, 2/21/73.
- 2-S (beach seine: north side of West  
Point): Sea Grant, 1973.
- 10-S (off northwest side of West  
Point): Sea Grant, 1973.
- 13-S (off southwest side of West  
Point): Sea Grant, 1973.
- 3-S (north of Meadow Point to  
Carkeek Park): Sea Grant, 1973.
- 8-S (southwest of Alki Point):  
Sea Grant, 1973.
- 3-S (deep otter trawl, off southwest  
of Alki Point): Sea Grant, 1973.
- 2-HC (off southwest of Big Beef  
Harbor): Sea Grant, 1973.
- 1-HC (mid-channel, off Union):  
Sea Grant, 1974.
- 3-HC (mid-channel, off Skokomish  
River Delta):  
Sea Grant, 1973-74.
- 1-HC (off Carlson Point to King  
Spit): Sea Grant, 73039.
- 5-AI (Mutiny Bay):  
Sea Grant, 73049.
- 2+-AI (Mutiny Bay): L. Moulton,  
Sport Catch, 7/25/73.
- 1-SJ (Rocky Bay): Doug Olander,  
Sport Catch log, 1972-73.
- 1-SJ (East Sound, south of Rosario  
Point): NIH, 1964-66.
- 22-S (Golden Gardens to Carkeek  
Park): NIH, 1968-71.
- 11-CS (Port Madison):  
Van Cleve, trap, 1961-65.
- 1-PO (off Fletcher Bay):  
Van Cleve, trap, 1961-65.







*Citharichthys stigmaeus*

## Bothidae

Published Records

- 1-S (Seattle):  
Evermann and Goldsborough, 1907.  
1-AI (north of Tala Point):  
Evermann and Goldsborough, 1907.  
1-SJ: Starks, 1911.  
1-PS: Kincaid, 1919.  
1-HC (Holly):  
Schultz and DeLacy, 1935-36.  
1-B (Bellingham Bay): Smith, 1936.  
1-HC (Bangor): Smith, 1936.  
1-JF (Sequim Bay): Smith, 1936.  
1-SS (Dofflemeyer Point):  
Smith, 1937.  
1-E (Kiket Island):  
Stober and Salo, 1970b.  
78-S (Duwamish Head): Salo, 1969.  
3-E (Port Gardner Bay): Salo, 1969.  
4-E (Skagit Bay): Salo, 1969.  
4-CS (beach seine: south side of  
Point Jefferson): Kendall, 1966.  
1-S (Seattle Harbor):  
Townsend, 1935.  
1-E (Saratoga Pass.):  
Townsend, 1935.  
4-SJ (Blakely Island; Orcas Island;  
Lopez Island; Harney Channel):  
Townsend, 1935.  
4-CS (Dumas Bay): Miller, 1971b  
(also NIH 71105 and 71106).  
6-CS (Seahurst County Park):  
Miller, 1971a (also boat 7113;  
NIH 71101).  
2-S (beach seine: Golden Gardens):  
Kendall, 1966.

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- 6-S (Alki Point):  
795; 800; 801; 1442; 1919; 4828.  
1-SJ (off Flat Point): 856.  
1-SJ (East Sound entrance): 1293.  
1-PS: 1431.  
1-SJ (west shore of Blakely Island):  
2123.  
1-SJ (Harney Channel): 2264.  
1-E (Saratoga Pass., Camano Head):  
2541.  
1-E (Saratoga Pass., Sandy Point):  
2659.  
1-S (Seattle Harbor): 3087.  
1-B (eight miles south of  
Bellingham): 3428.  
1-B (south end of Chuckanut Island):  
3865.  
2-S (Ballard): 4279; 4642.  
1-AI (Useless Bay): 4414.  
1-HC (Quilcene Bay): 4447.  
1-E (near Dewey): 4531.  
6-S (Edmonds Beach): 4557; 5292;  
5440; 5485; 5519; 5467.  
3-S (off North Beach):  
4774; 4784; 5222.  
1-CS (Redondo Beach): 5310.

- 1-JF (Dallas Bank): 5386.  
1-SS (northwest end of Stretch  
Island):  
5669 (also boat 7/20/49-1).  
2-CS (Port Madison, off Indianola):  
5891 (also boat 3/25/49-3); 6160.  
1-SS (beach seine: mainland opposite  
Stretch Island):  
6123 (also boat 7/20/49-2).  
1-SS (beach seine: one mile north of  
Minter Creek): 14840.  
1-HC (seven miles east of Union):  
14871.  
1-SJ (Johns Island, second bay):  
16496.  
1-AI (off Useless Bay):  
5641 (also boat 5/7/49-1).  
2-CS (off Cultus Bay):  
5641 (also boat 5/7/49-2,3).  
1-SJ (East Sound, south of Rosario  
Point):  
18670 (also NIH, 1964-66).  
3-S (off Golden Gardens): 6018  
(also boat 494B); 6166; 14711.  
1-S (off south of Richmond Beach):  
4783.  
2-S (Edmonds): 4913; 6024.  
1-S (three miles north of Ballard  
Locks): 5013.  
1-S (Ballard Locks tidepool): 5112.  
1-S (off Blue Ridge): 5052.  
1-SS (Carr Inlet): 5324.  
1-SS (off McLane Cove):  
5671 (also boat 7/20/49-3).  
2-S (Carkeek Park): 5996; 6064.  
1-S (one mile south of Alki Point):  
6059.  
5-S (Golden Gardens):  
6098; 8860; 16738; 17968; 18048.  
2-S (Meadow Point to Spring Beach):  
10360; 10367.  
1-SJ (Lopez Sound):  
16685 and 16681.  
1-SJ (East Sound): 16680 and 16688.  
1-SJ (East Sound): 18671.  
1-SJ (mid East Sound): 18672 (also  
Friday Harbor log, 6/5/64).

Friday Harbor Laboratory Log

- 1-SJ (north of Flat Point):  
6/20/50-1 (also boat 5033K).  
1-SJ (east of Cattle Point):  
7/7/52-4.  
1-SJ (Friday Harbor lab): 8/3/52.  
1-SJ (Friday Harbor): 8/15-16/52.  
1-SJ (mid East Sound): 4/3/64.  
1-SJ (West Sound): 6/20/69-2.  
1-SJ (Squaw-Ogden): 6/27/69.  
1-SJ (Friday Harbor lab night  
light): 1969.



*Citharichthys stigmaeus*

## Bothidae

University of Washington Boat Log

- 7-SJ (training cruise area: East Sound, north of Rosario Point): 6603H; 6614H; 6815H; 7110H; 7118H; 7313H; 7017H.
- 1-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I.
- 6-B (training cruise area: southwest of Post Point): 6517G; 6826G; 6603G; 6908G; 7017G; 7307G.
- 4-E (Holmes Harbor, off Dines Point to Classic): 5305C; 5307J; 5312J,K.
- 2-E (Holmes Harbor, off Rocky Point to Dines Point): 5037B,Q.
- 3-E (Holmes Harbor, south of Classic): 5307G; 5312L; 5316D.
- 2-E (beach seine: Good Beach, Penn Cove): 5316G,H.
- 7-E (Holmes Harbor): 5405A,B; 5522D; 5604D,E,H,I.
- 3-E (Penn Cove): 5405K; 5420G; 5810H.
- 1-E (Saratoga Pass., Onamac Point to Indian Beach): 5405M.
- 1-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5712C.
- 1-AI (off White Rock): 499K.
- 1-AI (Oak Bay, north of Olele Point): 5009C.
- 2-HC (Dabob Bay, Broad Spit to Long Spit): 6702D,F.
- 3-HC (Anderson Cove): 7009B,C,D.
- 6-CS (Port Madison): 1/22/49-1,4,5; 5043A; 5131B; 6203A.
- 3-CS (Port Madison, trap): 6213-2,3; 6217-1.
- 1-CS (off Cultus Bay): 5023A.
- 1-CS (north of Des Moines): 5224A.
- 2-CS (beach seine: south of Fay Bainbridge State Park): 5806A,B.
- 1-CS (off Murden Cove): 6710A2.
- 1-PO (buoy N4 to N6, Agate Pass.): 5048A.
- 19-CS (Murden Cove): 6610A,C,D; 6616; 6713D,G,H; 6812B,C,E; 6818A; 6906A,B,C,D,E; 6912; 7108; 7308A.
- 20-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5223B; 5310.3E; 5707A,G; 6016B1,A2,B2,B3,A4,B5,A1,A3,A5; 6119I; 6205D2,D3; 5915B; 6403AF; 6507K; 6707.
- 7-PO (off Manzanita to off Seabold): 5310.1D,.2B,.4B,.5B,.5E; 6215A,B.
- 1-PO (off Battle Point and north): 5310.3A.
- 1-PO (Point Bolin to Keyport): 5310.4E.
- 1-PO (off south of Fletcher Bay): 6016B4.
- 4-PO (most off Fletcher Bay): 6203D; 6713A,F; 7313X.
- 6-PO (beach seine: one mile north of Illahee Dock): 6205A1.1,1.2,2.2,2.1,3.1,3.2.
- 3-PO (between "B-2" and "B-1"): 6205C1,2,3.
- 48-S (off Golden Gardens to Meadow Point): 4/16/49-2,4,5; 495D; 496A,C; 498A; 5009K; 5011D; 5014C; 5017D; 5028B; 5029D; 5034A,B; 5110B,F; 5112C,E; 5119D,H; 5127B; 5132B; 5203C,D; 5408A; 5416A; 5512E,F,G; 5607B; 5704D; 5707K; 5907C,D; 5911A; 5920A,B,E; 6010D; 6018A; 6112A,B,C; 6206B; 6311D; 6506A,C.
- 8-S (off Meadow Point to Carkeek Park): 4/16/49-3; 5039E; 5212A,B,D; 5233A; 5713A; 6510A.
- 8-S (beach seine: Carkeek Park): 5219A,B; 5220C; 5221B,C; 5225B; 5311A; 5808B.
- 1-S (Meadow Point): 6414A.
- 4-S (beach seine: Alki Point to Duwamish Head): 4-6619.
- 1-S (Meadow Point to Richmond Beach): 6429A.
- 1-SS (Carr Inlet): 5522C.
- 91-S (beach seine: Golden Gardens to Meadow Point): 5007D; 5012B; 5021F; 5024A,C,D; 5036A; 5040A; 5047A; 5112G; 5116A,B,D1,E,G1; 5119F; 5121B; 5127C; 5134A; 5137A,B; 5208D; 5209B,C; 5214A,B,C1,C2,D,E,F; 5215U,A,B,E,G,K,L,M; 5320A; 5328A; 5406; 5407; 5412B; 5417A; 5612A; 5706A; 5710A; 5804A; 5807A,B; 5909E; 5913B; 5914A,B; 5920K,N; 5925A; 6110; 6113A,B,C; 6116A; 6207A; 6211; 2-6309; 2-6310; 6311B; 6319; 6411A,B; 6-6417; 6508A,C,D; 6509A,D; 6511D,E,F; 6708A; 6711A2; 6716; 7209B.
- 5-S (beach seine: north side of West Point): 7310A2,A3,B2; 7311A,B.
- 1-CP (off Camp Sealath): 5104CC.
- 1-SS (north end of Pickering Pass. to off McLane Cove): 5009H.
- 1-SS (east side of Cutts Island, Carr Inlet): 5037F.
- 11-SS (Carr Inlet, off Glen Cove to off Raft and Cutts Islands): 5037G; 5045A,H; 5101B,E; 5104L,M,N,O,AA; 5227B.
- 5-SS (off Wauna, Carr Inlet): 5037I; 5045I; 5101A; 5104E; 5126L.
- 7-SS (off Minter Creek to Elgin): 5046C; 5101C; 5102C; 5104I; 5135D; 5213F; 5227D.
- 1-SS (Totten Inlet, off Windy Point to Steamboat Island): 5115D.
- 7-SS (Eld Inlet, trap area, one mile northeast of Flapjack Point): 5115E; 6208A,B; 6217-2,3; 6219-1,2.



*Citharichthys stigmaeus*

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- 1-SS (Case Inlet, off Victor):  
5126G.  
1-SS (Case Inlet, west of Herron  
Island): 5126H.  
1-E (Port Susan, off Kayak Point):  
6702B.  
1-E (off Tulalip): 7/1/49-1.

Miscellaneous Logs

- 50+-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.  
50+-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.  
50+-PO (south of Fletcher Bay):  
U.W. Ocean., P.O., 1964-65.  
50+-S (Golden Gardens to Meadow  
Point):  
U.W. Ocean., Hoh, 1963-68.  
2-S (Spring Beach; Richmond Beach):  
U.W. Ocean., Hoh, 1963-68.  
50+-PO (south and north of Fletcher  
Bay): U.W. Ocean., Hoh, 1963-67.  
2-HC (Seabeck):  
U.W. Ocean., Hoh, 1963-67.  
47+-SS (Case Inlet, off Taylor Bay  
to off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.  
3-SS (Nisqually Flats):  
U.W. Ocean., Hoh, 1963-67.  
10+-SS (Carr Inlet, off Horsehead  
Bay): U.W. Ocean., Hoh, 1963-67.  
48+-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.  
2-CS (Norma Beach):  
U.W. Ocean., Hoh, 1963-68.  
9-E (Port Gardner Bay):  
U.W. Ocean., Hoh, 1963-67.  
12-E (Port Susan):  
U.W. Ocean., Hoh, 1963-67.  
10-E (Penn Cove):  
U.W. Ocean., Hoh, 1963-67.  
10-E (off Demock Point to Utsalady  
Point):  
U.W. Ocean., Hoh, 1963-67.  
2-E (Saratoga Pass., off Demock  
Point):  
U.W. Ocean., Hoh, 1963-67.  
17-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.  
1-CS (Skiff Point to Point  
Jefferson): U.W. Ocean., herring  
trawl, 1968-69.  
2-CS (Apple Cove Point):  
U.W. Ocean., Hoh, S.J., 1966.  
2-AI (Port Townsend Bay):  
U.W. Ocean., Hoh, S.J., 1966.  
1-JF (Discovery Bay):  
U.W. Ocean., Hoh, S.J., 1966.  
2-SJ (West Sound; East Sound):  
U.W. Ocean., Hoh, S.J., 1966.  
4-E (Penn Cove):  
U.W. Ocean., Hoh, S.J., 1966.  
2-E (Port Gardner Bay):  
U.W. Ocean., Hoh, S.J., 1966.

- 1-E (Port Susan):  
U.W. Ocean., Hoh, S.J., 1966.  
4-E (Holmes Harbor):  
U.W. Ocean., Hoh, S.J., 1966.  
1-SJ (East Sound, south of Rosario  
Point): NIH, 1964-66.  
39-S (Golden Gardens to Carkeek  
Park): NIH, 1968-71.  
1-PO (Clam Bay): NIH, 1968-71.  
4-SS (Case Inlet, Stretch Island to  
Herron Island): NIH, 1968-71.  
1-SS (Henderson Inlet):  
NIH, 1968-71.  
1-SS (Budd Inlet): NIH, 1968-71.  
30-CS (Port Madison):  
Van Cleve, trap, 1961-65.  
2-PO (off Fletcher Bay):  
Van Cleve, trap, 1961-65.  
2-S (off Edmonds):  
Van Cleve, trap, 1961-65.  
111-SS (entrance of Eld Inlet):  
Van Cleve, trap, 1961-65.  
6-E (Holmes Harbor):  
Van Cleve, trap, 1961-65.  
2-E (Saratoga Pass., west side just  
south of Penn Cove):  
Van Cleve, trap, 1961-65.  
1-E (Carr Inlet):  
Van Cleve, trap, 1961-65.  
1-JF (beach seine: Port Angeles  
embayment):  
Peninsula College, 1971.  
1-JF (Sequim Bay):  
Battelle, 1967-69.  
2-JF (upper Discovery Bay):  
Sea Grant, 71110.  
1-JF (lower Discovery Bay):  
Sea Grant, 71111.  
7-CP (beach seine: Gig Harbor Spit):  
Sea Grant, 72003 (also boat  
7208).  
2-CP (off Gig Harbor Spit): Sea  
Grant, 72003 (also boat 7208).  
2-CP (in Gig Harbor): Sea Grant,  
72003 (also boat 7208).  
5-GS (south of Cherry Point):  
Sea Grant, 1972.  
1-CS (beach seine: Seahurst County  
Park): Sea Grant, 72016.  
3-SS (off Nisqually River-McAllister  
Creek Flats): Sea Grant, 1973.  
1-CP (off Gig Harbor Spit):  
Sea Grant, 72025.  
3-HC (off Big Beef Harbor):  
Sea Grant, 1972.  
3-S (beach seine, north side of West  
Point): Sea Grant, 1973.  
10-S (off northwest side of West  
Point): Sea Grant, 1973.  
9-S (off southwest side of West  
Point): Sea Grant, 1973.  
15-S (north of Meadow Point to  
Carkeek Park): Sea Grant, 1973.  
10-S (southwest of Alki Point):  
Sea Grant, 1973.



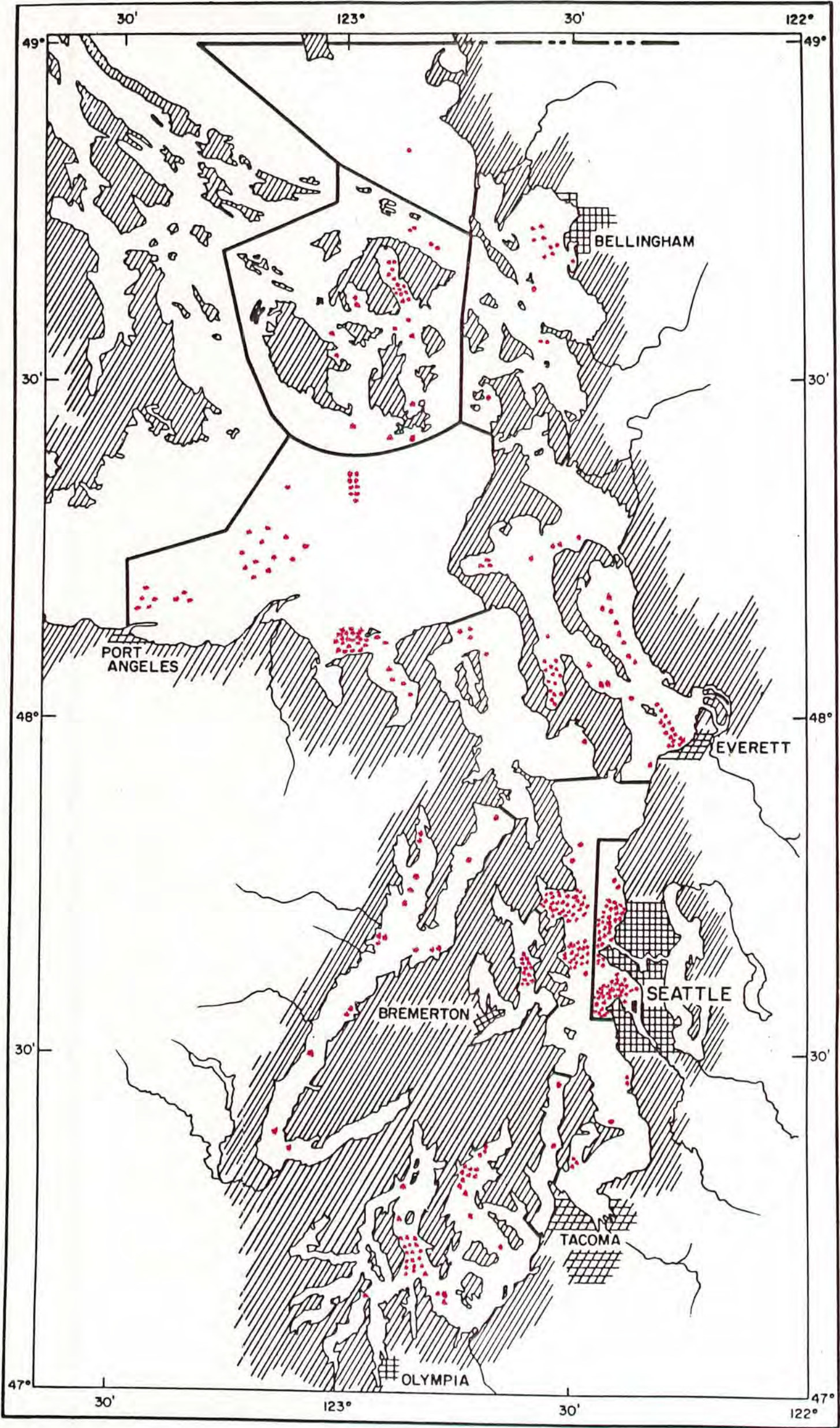
*Citharichthys stigmaeus*

Bothidae

Miscellaneous Logs

- 8-PO (off south of Fletcher Bay):  
Sea Grant, 73008.
- 1-SS (off Nisqually River-McAllister  
Creek Flats): Sea Grant, 1973.
- 5-HC (off southwest of Big Beef  
Harbor): Sea Grant, 1973.
- 3-B (beach seine: Wildcat Cove):  
Sea Grant, 1973.
- 21-SS (McLane Cove toward Stretch  
Island): Sea Grant, 1973-74.
- 21-SS (west side of Dougall Point):  
Sea Grant, 1973-74.
- 22-SS (mid-channel, McLane Cove to  
Stretch Island):  
Sea Grant, 1973-74.
- 20-HC (off Union):  
Sea Grant, 1973-74.
- 1-HC (mid-channel, off Union):  
Sea Grant, 1973.
- 17-HC (off Skokomish Flats):  
Sea Grant, 1973-74.
- 1-HC (mid-channel, off Skokomish  
Flats): Sea Grant, 1974.
- 1-AI (Mutiny Bay):  
Sea Grant, 73049.
- 3-CS (south end of Bainbridge  
Island, southeast of Orchard  
Rocks): Sea Grant, 1973.
- 4-SS (Cormorant Pass.):  
Sea Grant, 73059 and 73060.
- 1-SS (Tatsolo Point):  
Sea Grant, 73059.
- 1-E (Everett city):  
WSDF, Sport Fish., 1965-70.







*Atheresthes stomias*

## Pleuronectidae

Published Records

- 3-GS: Smith, 1936.  
 4-B (Bellingham Bay):  
     Smith, 1936 (one is museum 3837,  
     south end of Chuckanut Island).  
 1-JF (Discovery Bay): Smith, 1936.  
 9-SJ (mid-channel, northwest of  
     Dungeness Spit): Greenwood, 1957  
     (also NMFS, Cobb-25).  
 16-S (Duwamish Head): Salo, 1969.  
 1-E (Port Gardner Bay): Salo, 1969.  
 1-S (Seattle Harbor):  
     Townsend, 1935.  
 2-E (Saratoga Pass.; Holmes Harbor):  
     Townsend, 1935.  
 2-CS (Seahurst County Park):  
     Miller, 1971a (also boat 7113,  
     NIH 71101).  
 2-HC (Anderson Cove): Chew, 1970.

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- 1-E (Utsalady): 695.  
 1-SJ (Friday Harbor): 2207.  
 1-E (Saratoga Pass., off Sandy  
     Point): 2657.  
 2-S (Elliott Bay): 2908; 3795.  
 1-E (off Everett): 4543.  
 1-CS (off Port Madison):  
     5724 (also boat 497B).  
 2-SJ (mid East Sound):  
     18007 (also Friday Harbor log,  
     2/21/64); 18665 (also Friday  
     Harbor log, 6/5/64).  
 2-SJ (East Sound, south of Rosario  
     Point): 18644 (also NIH, 1964-  
     66); 19580 (also NIH, 1964-66).  
 1-SJ (East Sound): 19449.

Friday Harbor Laboratory Log

- 1-SJ (off Upright Head): 6/28/51-1.  
 9-JF (west of McArthur Bank):  
     7/12/51-1; 7/7/52-1; 7/9/52-1  
     (also boat 5220G); 8/3/55-1 (also  
     boat 5520A); 8/8/60; 8/3/69;  
     7/18/63-1; 7/19/63-1; 7/8/69-1.  
 1-SJ (north of Hunter Bay):  
     6/19/50-5 (also boat 5033G).  
 1-SJ (off northwest of Barnes  
     Island):  
     6/20/50-3 (also boat 5033J).  
 1-SJ (Lopez Sound and East Sound):  
     7/11/52.  
 2-SJ (West Sound): 7/9/52-3 (also  
     boat 5220I); 7/6/71-2.  
 1-SJ (Orcas Island to Matia Island):  
     7/14/52-3.  
 1-B (south of Eliza Island):  
     8/8/55-1.  
 1-SJ (off Iceberg Point):  
     8/4/55-1 (also boat 5520C).  
 1-SJ (west of Neck Point): 7/31/69.  
 1-SJ (southeast of Cattle Point):  
     8/3/55-2 (also boat 5520B).

- 1-SJ (Upright Head to Olga):  
     8/1/60-2.  
 2-SJ (East Sound):  
     6/20/61; 7/6/71-1.  
 1-SJ or JF (Cattle Point to Smith  
     Island): 6/28/61.  
 1-SJ (south of Lopez Island):  
     6/27/63-A.

University of Washington Boat Log

- 1-JF (Discovery Bay): 5318A.  
 1-SJ (training cruise area: East  
     Sound, north of Rosario Point):  
     6620H.  
 1-SJ (East Sound): 491E.  
 1-SJ (off Raccoon Point toward  
     Barnes Island): 491F.  
 1-B (Burrows Bay, east of Barrows  
     Island): 5033S.  
 3-B (training cruise area: southwest  
     of Post Point):  
     6603G; 6614G; 6630G.  
 1-E (Port Susan, off Spee-Bi-Dah):  
     5023D.  
 5-E (Holmes Harbor, south of  
     Classic):  
     5234E; 5312D,E; 5316E; 5321V.  
 3-E (Holmes Harbor):  
     5305M; 5325B; 5604D.  
 4-E (Holmes Harbor, off Rocky Point  
     to Dines Point):  
     5307K; 5312H,I; 5327C.  
 1-E (Saratoga Pass., off North Bluff  
     to off Greenbank): 5418M.  
 1-E (off Mukilteo): 5604C.  
 1-E (Penn Cove): 5613U.  
 1-E (near Penn Cove): 6822E.  
 2-E (training cruise area: Saratoga  
     Pass., north of Langley):  
     6815D; 6819D.  
 2-E (training cruise area: east of  
     Gedney Island): 6620C; 6630C.  
 1-AI (training cruise area: east of  
     north Marrowstone Island):  
     6630J.  
 1-HC (off Sisters light buoy):  
     499C.  
 1-HC (opposite Hoodspoint): 499F.  
 1-HC (off Thornedyke Bay): 499J.  
 3-HC (Dabob Bay): 5921; 6202D,E.  
 2-HC (Dabob Bay, Broad Spit to Long  
     Spit): 6828A; 7303F.  
 3-HC (off Pleasant Harbor):  
     7003I,J,L.  
 12-CS (Murden Cove): 6610C,D;  
     6713G,H; 6809H; 6818B; 6819X;  
     6821.5G; 6906C,E; 7008B; 7108.  
 12-CS (Port Madison): 1/22/49-1,2,  
     3; 5006D; 5048B; 5122A,B; 5132D;  
     5812A; 5924A; 5932A; 7011C.  
 1-CS (northeast of Apple Cove  
     Point): 5009A.  
 3-CS (mouth of Quartermaster  
     Harbor): 5042A; 5104B; 5115H.



*Atheresthes stomias*

## Pleuronectidae

University of Washington Boat Log

- 3-CS (off Port Madison):  
5043B,C; 5812E.
- 1-CS (Tramp Harbor): 5104A.
- 4-CS (off Agate Pass.):  
5302AA; 5310.2F; 5317C; 6003B.
- 4-CS (mid-channel, Meadow Point to Port Madison):  
5516A; 5608A; 5709B; 5911B.
- 4-CS (east of Point Monroe):  
5805C; 5813A,B,C.
- 1-CS (off Fay Bainbridge State Park): 5806C.
- 15-CS (training cruise area, mid-channel Skiff Point to West Point): 6512B; 6605B; 6607B; 6611B; 6614B; 6620B; 6626B; 6628B; 6815B; 6819B; 6908B; 6914B; 7110B; 7308B; 7313B.
- 1-CS (training cruise area: Wing Point to Four-Mile Rock):  
6507B8.
- 2-CS (off Murden Cove):  
6610B; 6710C2.
- 7-PO (off Fletcher Bay):  
5310.3B,.5G; 5801A; 5809; 5904B; 5919A; 6202.D2.
- 54-S (off Golden Gardens to Meadow Point):  
491A; 492F; 494C,E,F; 496B; 498B; 4910A; 5008C; 5009L; 5017C,E; 5028C; 5029A,B; 5033A; 5034D,E,G; 5039D; 5110B,C,D; 5112A,B,C; 5119C,H; 5129C,D; 5203D; 5233D; 5314A,C; 5329C; 5408B; 5416B,C; 5607B; 5704E; 5707J,K; 5907D; 5920B,E; 6005B; 6010B,C; 6112B; 6114A; 6311A,E,F; 6506C.
- 5-S (off Alki Point to Duwamish Head):  
5027A,B; 5603A; 5616D; 5702AM.
- 21-S (off Meadow Point to Carkeek Park): 5020A; 5039C; 5041B; 5044A; 5110A; 5119A,B; 5203A,B; 5211C; 5212B,C,D,E,F; 5216B; 5606A; 5915C,D; 5932C; 6414D.
- 1-S (off Four-Mile Rock to Pier 91):  
5027C.
- 2-S (south of West Point to off Four-Mile Rock): 5027D; 5602C.
- 1-S (off north of Carkeek Park):  
6206C.
- 1-S (Meadow Point to Richmond Beach): 6429B.
- 1-S (off Piper Creek): 6510D.
- 2-S (off West Point sewer outfall):  
6718-5,6.
- 1-S (Carkeek Park to Richmond Beach): 6719A.
- 1-CP (off Cove): 5133Q.
- 1-CP (off Camp Sealath): 5009F.
- 1-SS (off McLane Cove to Stretch Island): 7/20/49-3.
- 1-SS (mid-channel, Gibson Point to Gertrude Island): 5046D.
- 2-SS (Carr Inlet, off Minter Creek to Elgin): 5104I; 5227I.

- 7-SS (Carr Inlet, off Glen Cove to off Raft and Cutts Islands):  
5104K,M,N; 5204N; 5213D; 5613D,F.
- 1-SS (beach seine, one mile north of Minter Creek): 5126E.
- 1-SS (Case Inlet, west of Herron Island): 5126H.
- 3-SS (northwest end of Nisqually Reach): 5126J; 5201C; 5204F.
- 1-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-3.

Miscellaneous Logs

- 1-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
- 50+-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.
- 24-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.
- 2-PO (south of Fletcher Bay):  
U.W. Ocean., P.O., 1964-65.
- 3-S (Golden Gardens to Meadow Point):  
U.W. Ocean., Hoh, 1963-68.
- 3-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck):  
U.W. Ocean., Hoh, 1963-67.
- 18-SS (Case Inlet; off Taylor Bay to off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 43-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 3-E (Port Gardner Bay):  
U.W. Ocean., Hoh, 1963-67.
- 2-E (Penn Cove):  
U.W. Ocean., Hoh, 1963-67.
- 6-E (Port Susan):  
U.W. Ocean., Hoh, 1963-67.
- 2-E (off Demock Point to Utsalady Point):  
U.W. Ocean., Hoh, 1963-67.
- 1-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
- 1-AI (Useless Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Padilla Bay, near William Point; Bellingham Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Port Susan):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Discovery Bay): WSDf, Commercial Catch Comp., 1966-70.
- 2-JF (mid-channel, north of Dungeness Spit): NMFS, Cobb 25.
- 3-AI (east of Port Townsend and north of Marrowstone Island):  
NMFS, Cobb 35.
- 1-JF (Discovery Bay):  
NMFS, Cobb 35.
- 3-JF (west of Protection Island):  
NMFS, Cobb 35.



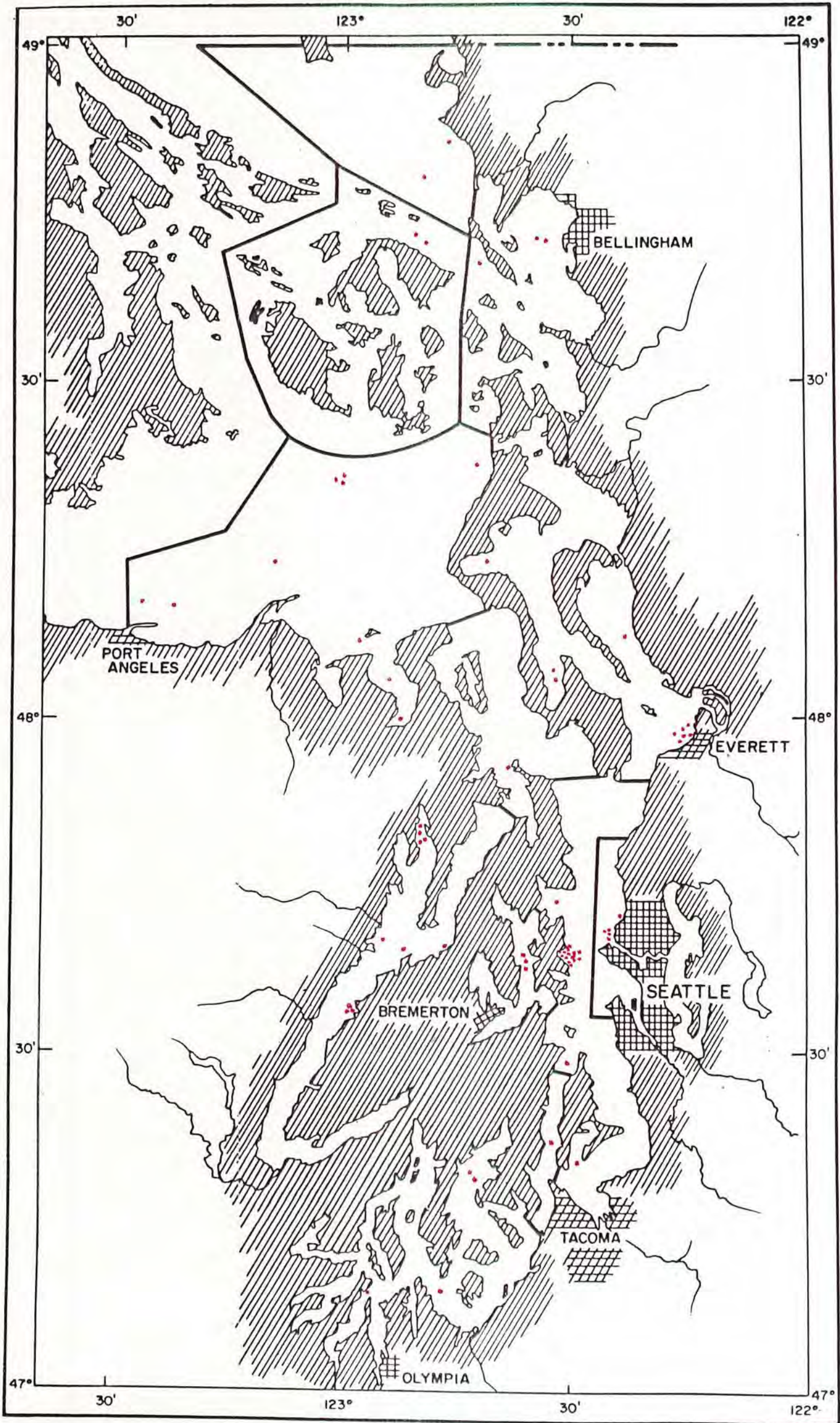
*Atheresthes stomias*

## Pleuronectidae

Miscellaneous Logs

- 1-JF (Protection Island to Discovery Bay): NMFS, Cobb 35.
- 1-HC (off Ayock Point):  
NMFS, Cobb 68.
- 3-JF (mid-channel, north of Morse Creek): NMFS, Cobb 90.
- 1-JF (west of Hein Bank):  
NMFS, Cobb 90.
- 1-JF (northwest of Dungeness Spit):  
NMFS, Cobb 92.
- 6-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 1-SJ (East Sound): NIH, 1968-71.
- 1-B (Bellingham Bay, off Nooksack River to Marine Drive):  
NIH, 1968-71.
- 1-S (Duwamish Head to Alki Point):  
NIH, 1968-71.
- 4-CS (Port Madison):  
Van Cleve, trap, 1961-65.
- 1-SS (entrance to Eld Inlet):  
Van Cleve, trap, 1961-65.
- 5-JF (north of Ediz Hook):  
NMFS, Cobb 25.
- 21-JF (west of Protection Island):  
NMFS, Cobb, 2/28/73.
- 2-HC (off Big Beef Harbor):  
Sea Grant, 72026.
- 1-S (off southwest of West Point):  
Sea Grant, 1973.
- 1-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 1-HC (mid-channel, off Union):  
Sea Grant, 1973.
- 1-CS (in Appletree Cove):  
Doug Olander, Sport Catch Log, 1972-73.
- 3-HC: WSDF, Sport Fish., 1965-70.







*Eopsetta jordani*

## Pleuronectidae

Published Records

- 1-PS: Jordan and Gilbert, 1882.  
 1-PS: Kincaid, 1919.  
 1-E (Coupeville): Smith, 1936.  
 1-JF (mid-channel, north of Dungeness Spit): Greenwood, 1957 (also NMFS, Cobb 25).  
 1-E (Holmes Harbor): Townsend, 1935.  
 2-HC (Anderson Cove): Chew, 1970.

University of Washington  
Museum Collection

- 1-PS: 1864.  
 2-JF (west of McArthur Bank): 17694; 17698 (also Friday Harbor log 6313 and 6315).

Friday Harbor Laboratory Log

- 1-JF (west of McArthur Bank): 7/12/51-1.

University of Washington Boat Log

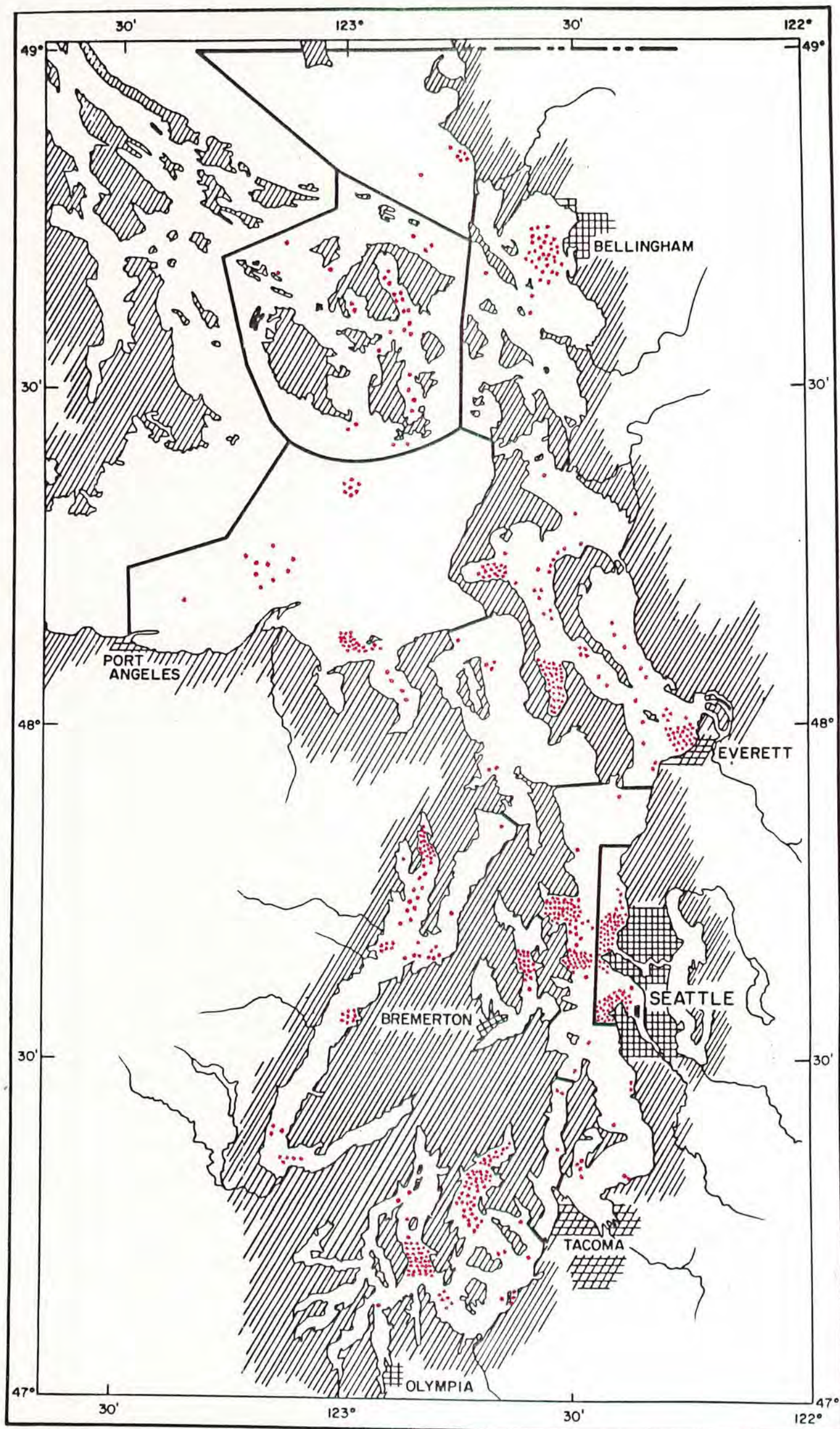
- 1-SJ (Puffin Island to Orcas Island): 491E.  
 1-SJ (off Raccoon Point toward Barnes Island): 491F.  
 1-GS (north of Alden Bank): 491G.  
 4-S (off Golden Gardens): 5033A; 5129C; 5203C; 6311A.  
 1-SS (off Glen Cove, Carr Inlet): 5102B.  
 1-SS (Carr Inlet, off Cutts Island): 5104J.  
 1-CS (mouth of Quartermaster Harbor): 5115H.  
 1-SS (west end of Nisqually Reach): 5204J.  
 1-E (Holmes Harbor): 5307K.  
 1-JF (off Ediz Hook to Green Point): 5705E.  
 1-PO (off Fletcher Bay): 6101A.  
 1-CS (Vashon Island, off Sylvan Beach): 6703A.  
 4-HC (Dabob Bay, Broad Spit to Long Spit): 6724A; 6629E; 7202F; 6902H.  
 1-HC (Anderson Cove): 7009D.  
 2-CS (off Murden Cove): 6906I; 7308A.  
 10-CS (Murden Cove): 6609A; 6616; 6713G,H; 6818B; 6906D,E,G; 6812F; 6821.5G.  
 1-HC (west of Misery Point): 7202A.  
 1-PO (probably off Fletcher Bay): 6916H.  
 1-HC (off Pleasant Harbor): 7003I.  
 5-CS (Murden Cove): 7016C,H; 3-7103.  
 1-AI (east side of Hood Canal entrance, just south of Foulweather Bluff): 7112E.

- 1-HC (northeast of Big Beef Harbor): 6902I.  
 1-GS (off Cherry Point): 491H.

Miscellaneous Logs

- 1-JF (off West Beach): WSDF, Sport Fish., 1965-70.  
 1-E (Everett): WSDF, Sport Fish., 1965-70.  
 5-SS: WSDF, Sport Fish., 1965-70.  
 4-HC: WSDF, Sport Fish., 1965-70.  
 3-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.  
 1-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.  
 1-JF (Protection Island): WSDF, groundfish trawl, through 1970.  
 1-CP (Point Richmond): WSDF, groundfish trawl, through 1970.  
 2-B (Bellingham Bay): WSDF, groundfish trawl, through 1970.  
 1-JF (Discovery Bay): WSDF, Commercial Catch Comp., 1966-71.  
 1-E (Everett Harbor): NMFS, Cobb, 1/20/61.  
 1-JF (south end of Discovery Bay): Jim Beam, Sport Catch, 1972.  
 1-S (Golden Gardens to Carkeek Park): NIH, 1968-71.  
 1-CS (Port Madison): Van Cleve, trap, 1961-65.  
 1-PO (off Fletcher Bay): Van Cleve, trap, 1961-65.  
 1-SS (Eld Inlet entrance): Van Cleve, trap, 1961-65.  
 1-JF (mid-channel, north of Ediz Hook): NMFS, Cobb 25.  
 1-E (Everett Bay): WSDF, groundfish trawl, 1972.  
 1-B (west of Lummi Island): WSDF, Commercial Catch Comp., 1966-71.







*Glyptocephalus zachirus*

## Pleuronectidae

Published Records

- 2-AI (north of Tala Point; northwest of Tala Point):  
Evermann and Goldsborough, 1907.  
1-PS: Kincaid, 1919.  
1-HC (Holly):  
Schultz and DeLacy, 1935-36.  
2-GS (Georgia Strait): Smith, 1936.  
2-E (Coupeville): Smith, 1936.  
1-JF (Sequim Bay): Smith, 1936.  
1-JF (Discovery Bay):  
Smith, 1936 (also museum 3872).  
1-SS (Hale Pass.): Smith, 1936.  
5-B (Bellingham Bay): Smith, 1936  
(also one is museum 3838, south end of Chuckanut Island).  
2-HC (Hoodspoint): Smith, 1937.  
2-HC (Skokomish Flats; Quilcene Bay): Smith, 1937.  
2-HC (Holly): Smith, 1937.  
2-SS (Carr Inlet; Dofflemeyer Point): Smith, 1937.  
4-E (Elger Bay; Mukilteo; Columbia Beach; Gedney Island):  
Smith, 1937.  
7-JF (mid-channel, north and northwest of Dungeness Spit):  
Greenwood, 1957 (also NMFS, Cobb 25).  
2-E (Skagit and Similk Bays):  
Stober and Salo, 1970b.  
2-S (Duwamish Head): Salo, 1969.  
2-E (Port Gardner Bay; Skagit Bay):  
Salo, 1969.  
1-S (Seattle): Townsend, 1935.  
3-E (Everett Harbor; Saratoga Pass.; Holmes Harbor): Townsend, 1935.  
1-CS (Dumas Bay): Miller, 1971b  
(also NIH 71105 and 71106).  
3-HC (Anderson Cove): Chew, 1970.  
2-CS (Seahurst County Park):  
Miller, 1971a (also boat 7113 and NIH 71101).

University of Washington  
Museum Collection

- 1-E (Utsalady): 863.  
1-E (east of Gedney Island): 2571.  
1-E (off Snohomish River): 2625.  
1-E (Saratoga Pass., Sandy Point):  
2659-1/2.  
4-E (off Everett):  
2905; 3688; 3708; 4742.  
2-SJ (Waldron Island; Upright Channel): 3554.  
1-S (off south of Richmond Beach):  
4697.  
1-S (off North Beach): 4793.  
1-SS (Carr Inlet): 5025.  
1-S (Elliott Bay): 5080.  
1-SJ (west of Ram Island):  
5700 (also boat 491P).  
1-S (off Golden Gardens):  
15948 (also boat 6114A).

- 2-JF (west of McArthur Bank):  
17869 (also Friday Harbor log, 6315); 17688 (also Friday Harbor log, 6313).  
1-SJ (Lopez Island): 16579.  
1-SJ (East Sound): 17066 (also Friday Harbor log, 6/20/63).  
1-S (Golden Gardens): 17138.  
1-S (Meadow Point): 17143.

Friday Harbor Laboratory Log

- 5-JF (west of McArthur Bank):  
7/12/51-1; 7/7/52-1; 7/9/52-1  
(also boat 5220G); 8/3/55-1 (also boat 5520A); 8/8/60; 7/8/69-1.  
1-B (Bellingham Bay): 7/26/51-2.  
1-SJ (off northwest of Barnes Island):  
6/20/50-3 (also boat 5033J).  
1-SJ (south of Orcas Island):  
6/24/52.  
1-SJ (Lopez Sound and East Sound):  
7/1/52.  
1-SJ (Salmon Banks): 7/7/52-3.  
1-B (south of Eliza Island):  
8/8/55-1.  
3-SJ (East Sound):  
8/11/52; 7/6/60-2; 7/6/71-1.  
2-SJ (Lopez Sound):  
7/28/55-1; 7/8/69-2.  
1-SJ (southeast of Cattle Point):  
8/3/55-2 (also boat 5520B).  
1-SJ (off Iceberg Point): 8/4/55-1.  
2-SJ (lower East Sound):  
8/22/55-5; 6/26/73-1.  
1-SJ (West Sound and Lopez Sound):  
6/27/60.  
1-SJ (Upright Head to Olga):  
8/1/60-2.  
2-SJ (West Sound):  
6/26/61; 6/20/69-2.  
1-SJ (south of Lopez Island):  
6/27/63-A.  
1-SJ (Upright Head to Foster Point):  
6/26/73-2.

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- 1-GS (north of Alden Bank): 491G.  
1-JF (Discovery Bay): 5318A.  
1-SJ (off Johns Island): 491B.  
1-SJ (Skipjack Island to Turn Point): 491C.  
1-SJ (Puffin Island to Orcas Island): 491E.  
1-SJ (off Raccoon Point toward Barnes Island): 491F.  
1-SJ (training cruise area: north of Rosario Point, East Sound):  
7118H.  
1-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I.  
1-B (east of Vendovi Island): 491K.



*Glyptocephalus zachirus*

## Pleuronectidae

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- 9-B (training cruise area: southwest of Post Point): 6815G; 6614G; 6630G; 6819G; 6826G; 7118G; 7307G; 7313G; 6914G.
- 1-B (Bellingham Bay): 6822G.
- 1-E (Port Susan, off Spee-Bi-Dah): 5023D.
- 2-E (mouth of Penn Cove, off Long Point to off Snatelum Point): 5213A; 5220E.
- 1-E (off Oak Harbor, to Blower Bluff): 5220F.
- 1-E (north end of Saratoga Pass.): 5220M.
- 3-E (Holmes Harbor, off Rocky Point to Dines Point): 5220O; 5234A,C; 5307D,K,L; 5327C,E.
- 17-E (Holmes Harbor, south of Classic): 5234E,F; 5305A; 5307E,F,O,P,U; 5312C,N; 5316D,E; 5501A,B,C,E,F.
- 18-E (Holmes Harbor): 5305F,G,H,I,J,L; 5325C; 5405B,C,D,E,F; 5604D,E,F; 56130; 5614E; 5810A.
- 3-E (Holmes Harbor, off Dines Point to Classic): 5312G; 5405G; 5501D.
- 2-E (Penn Cove, off Coupeville to Lovejoy Point): 5316I,J.
- 1-E (off Mukilteo): 5604C.
- 3-E (Elger Bay): 5321M; 5405Q; 5418I.
- 1-E (Saratoga Pass., off Saratoga to Langley): 5321O.
- 3-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5330F; 5418H; 5712C.
- 3-E (Saratoga Pass., off Onamac Point to Indian Beach): 5405L,M,N.
- 6-E (Penn Cove): 5418G; 5522G; 5613X; 5614J; 5712A; 5810H.
- 1-E: 5712B.
- 1-E (off north of Kayak Point, Port Susan): 7204A.
- 1-E (Port Susan, off Kayak Point): 6702C.
- 3-E (training cruise area: east of Gedney Island): 6620C; 6722C; 6815C.
- 3-AI (training cruise area: east of north Marrowstone Island): 6507J; 6603J; 6614J.
- 6-HC (off Pleasant Harbor): 499E; 6804E; 6902K,L; 7003I,J.
- 1-HC (opposite Hoodsport): 499F.
- 12-HC (Dabob Bay): 5903B; 5921; 6202A,C,D,F; 7102J (or I),K,L,O; 7112A,B.
- 1-HC (west of Misery Point): 7202A.
- 31-HC (Dabob Bay, Broad Spit to Long Spit): 6503A,C,D,E,F,G,H; 6601A,C,D; 6629A; 6702D,E,F; 6724A; 6804F,H; 6902E,F; 7003B,D,E,A; 7202E,G,I; 7303B,C,D,E,F.
- 1-HC (south of Oak Head): 6601E.
- 2-HC (Anderson Cove): 7009B,D.
- 1-HC (south of Hood Canal bridge): 7112D.
- 7-CS (Port Madison): 1/22/49-1; 492A; 5006D; 5122A; 5132D; 5932A; 7011C.
- 1-CS (northeast of Apple Cove Point): 5009A.
- 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.
- 2-CS (off Port Madison): 5043B,C.
- 1-CS (Tramp Harbor): 5104A.
- 1-CS (east of Blake Island): 5115I.
- 2-CS (west of Point Monroe): 5223C; 5315D.
- 4-CS (off Agate Pass., Port Madison): 5232A; 5302AA; 5310.2F; 5317C.
- 3-CS (mid-channel, Meadow Point to Port Madison): 5608A; 5709B; 5911B.
- 5-CS (east of Point Monroe): 5805B,C; 5813A,B,C.
- 1-CS (off Fay Bainbridge State Park): 5806C.
- 9-CS (Murden Cove): 6610C; 6713H; 6809A; 6818B; 6823-1,2; 6906D,E; 7008B.
- 3-CS (Murden Cove): 6610B; 6710C2,D2.
- 1-CS (off West Point): 7017Y.
- 13-CS (training cruise area: mid-channel, Skiff Point to West Point): 6512B; 6614B; 6628B; 6815B; 6819B; 6914B; 7017B,Z; 7110B; 7118B; 7213B; 7308B; 7313B.
- 1-CS (training cruise area: Wing Point to Four-Mile Rock): 6507B8.
- 2-CS (Vashon Island, off Sylvan Beach): 6703A,B.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 16-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5230F; 5232C; 5236E; 5301B; 5315B; 5317A; 5421; 5707B; 5707C; 5809A; 5919A,B; 5922A; 5923B; 6016A2; 6707.
- 1-PO (probably off Fletcher Bay): 7105-2.
- 1-PO ("B-2" to "B-1"): 6205C1.
- 3-S (off Alki Point to Duwamish Head): 5027A,B; 5603A.
- 52-S (off Golden Gardens to Meadow Point): 491A; 492F; 493B; 494C,E,F; 496B; 497E; 498B; 4910A; 5003A; 5008C; 5009L; 5017C; 5028A,C; 5029A,B,E; 5033A; 5034D,E; 5039D; 5041A; 5112A,B,C; 5119C,G,H; 5127A; 5129C,D; 5131C; 5132A; 5314A,C; 5329C; 5408B; 5516C; 5702AN; 5707J,K; 5713G; 5920B,E; 5924C; 6005B; 6010C; 494CD; 6311A,E.



*Glyptocephalus zachirus*

## Pleuronectidae

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- 18-S (off Meadow Point to Carkeek Park): 5020A; 5039C; 5041B; 5110A; 5119A,B; 5203A; 5211C; 5212C,E,F; 5216A,B; 5606A; 6406A; 6414C,D; 6510B.
- 2-S (off north of Carkeek Park): 6206C; 6414E.
- 1-S (Carkeek Park to Richmond Beach): 6719A.
- 1-S (off Piper Creek): 6510D.
- 1-S (Meadow Point to Richmond Beach): 6429B.
- 1-CP (off Camp Sealath): 5104CC.
- 1-CP (off Cove): 5133Q.
- 1-CP (Cove to Fragaria): 5135E.
- 6-SS (northwest end of Nisqually Reach): 7/20/49-5; 5009I; 5126J; 5201C,D; 5204E.
- 1-SS (north end of Pickering Pass. to off McLane Cove): 5009H.
- 2-SS (Carr Inlet, southwest of Green Point): 5037A; 5104T.
- 11-SS (Carr Inlet, off Minter Creek to Elgin): 5045G,J; 5104D,V; 5126D; 5135A,C,D; 5227D,F,I.
- 2-SS (mouth of Carr Inlet, Gibson Point to Gertrude Island): 5046D; 5104C.
- 3-SS (Carr Inlet, off Wauna): 5404G,W; 5227C.
- 1-SS (Carr Inlet, off north of Home to off Horsehead Bay Spit): 5104R.
- 15-SS (Carr Inlet; off Glen Cove to off Cutts and Raft Islands): 5101B,E,F; 5102A; 5104L,P,Y; 5115F; 5126C,M; 5201A; 5213D; 5227B; 5613A,D.
- 1-SS (Case Inlet, off west of Herron Island): 5126H.
- 1-SS (west of Ketron Island): 5126K.
- 1-SS (between Fox and Day Islands towing toward Toliva Shoal): 5201E.
- 1-SS (Carr Inlet): 5522C.
- 1-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-3.
- 1-SS (Case Inlet, east of Hartstene Island): 6724C.
- 1-CS (Murden Cove): 7108.

Miscellaneous Logs

- 1-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
- 39-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
- 14-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
- 2-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
- 6-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.

- 1-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 2-HC (Seabeck): U.W. Ocean., Hoh, 1963-67.
- 35-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
- 8-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 3-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.
- 28-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
- 5-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
- 3-E (Saratoga Pass., off Demock Point): U.W. Ocean., Hoh, 1963-67.
- 2-E (off Demock Point to Utsalady Point): U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
- 5-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
- 2-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 4-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
- 1-B (Bellingham Bay): U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Protection Island): WSDF, groundfish trawl, through 1970.
- 6-B (Bellingham Bay): WSDF, groundfish trawl, through 1970.
- 1-E (Holmes Harbor): WSDF, Commercial Catch Comp., 1969-70.
- 1-B (west of Lummi Island): WSDF, Commercial Catch Comp., 1969-70.
- 1-SS (Carr Inlet): WSDF, Commercial Catch Comp., 1969-70.
- 1-AI (east of Port Townsend): NMFS, Cobb 35.
- 2-JF (Discovery Bay; Protection Island to Discovery Bay): NMFS, Cobb-35.
- 1-E (lower Port Susan): NMFS, Cobb-78.
- 1-JF (mid-channel, north of Morse Creek): NMFS, Cobb 90.
- 1-JF (northwest of Dungeness Spit): NMFS, Cobb 92.
- 2-E (Everett Harbor): NMFS, Cobb, 1/20/61.
- 1-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 6-B (off Nooksack River to Marine Drive): NIH, 1968-71.
- 2-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 1-PO (off Fletcher Bay): NIH, 1968-71.
- 1-HC (Big Beef Harbor): NIH, 69042.
- 6-CS (Port Madison): Van Cleve, trap, 1961-65.

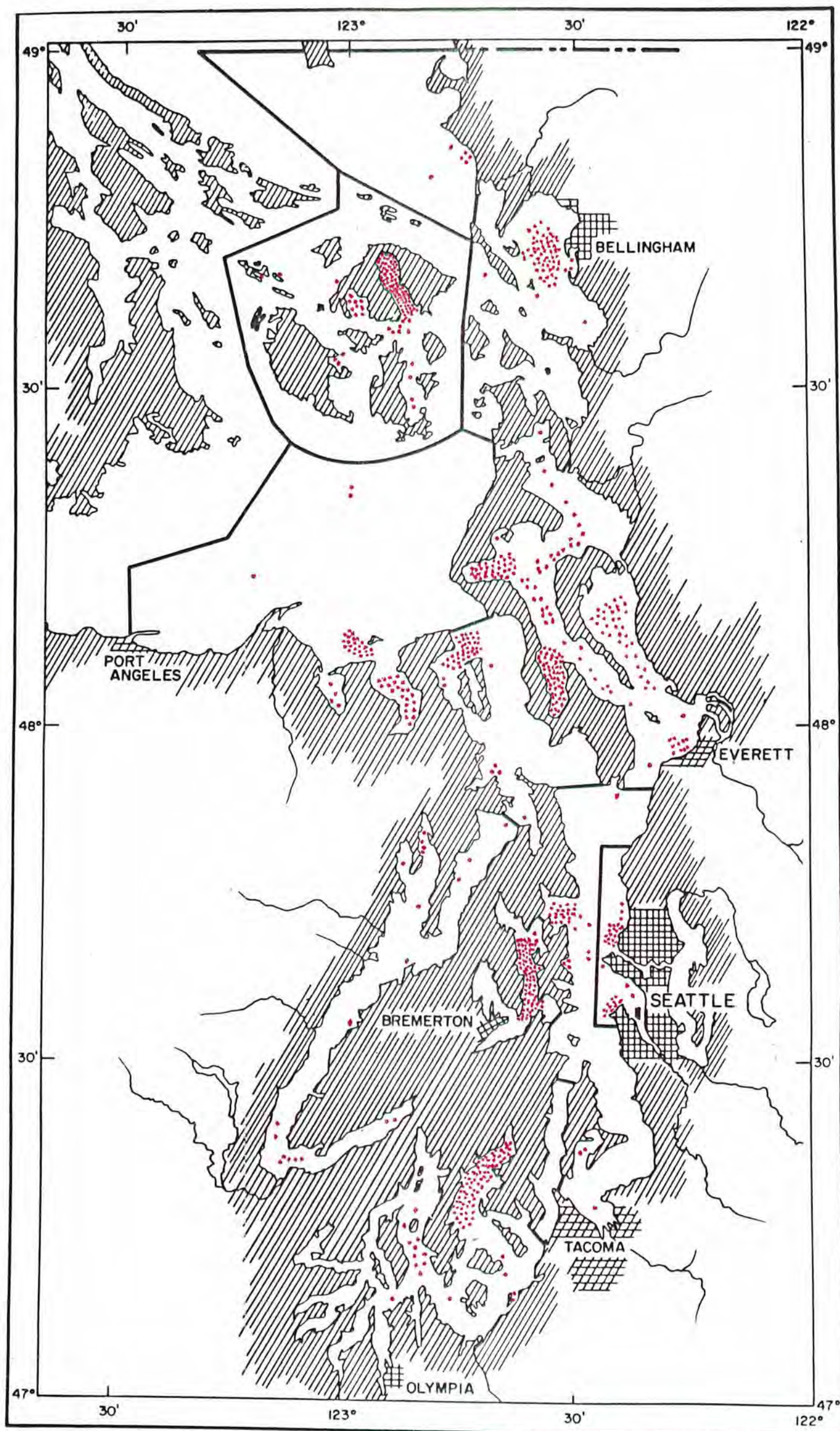
*Glyptocephalus zachirus*

## Pleuronectidae

Miscellaneous Logs

- 3-E (Holmes Harbor; west side of  
Saratoga Pass. just south of Penn  
Cove; Penn Cove):  
Van Cleve, trap, 1961-65.
- 1-JF (Discovery Bay):  
Battelle, 1967-69.
- 1-GS (tow area 3, off Cherry Point):  
WSDF, Gulf Georgia, 1969-71.
- 21-JF (west of Protection Island):  
NMFS, Cobb, 2/28/73.
- 1-CS (south of Possession Point):  
NMFS, Cobb, 2/28/73.
- 5-GS (south of Cherry Point):  
Sea Grant, 1972.
- 3-HC (off Big Beef Harbor):  
Sea Grant, 1973.
- 2-HC (mid-channel, off Union):  
Sea Grant, 1973-74.
- 1-B (Bellingham Bay, mid-channel off  
Nooksack River Flats):  
Sea Grant, 72035.
- 1-B (mid-channel, off Point  
Frances): Sea Grant, 72035.
- 8-S (off northwest side of West  
Point): Sea Grant, 1973.
- 6-S (off southwest side of West  
Point): Sea Grant, 1973.
- 2-S (deep otter trawl: of West  
Point): Sea Grant, 1973.
- 5-S (southwest of Alki Point):  
Sea Grant, 1973.
- 12-S (deep otter trawl: off  
southwest of Alki Point):  
Sea Grant, 1973.
- 1-HC (off southwest of Big Beef  
Harbor): Sea Grant, 1973.
- 1-SS (mid-channel, McLane Cove to  
Stretch Island):  
Sea Grant, 1973.
- 2-HC (mid-channel, off Skokomish  
River): Sea Grant, 1973-74.
- 1-HC (off King Spit to Carlson  
Point): Sea Grant, 73039.
- 3-SS (Cormorant Pass.):  
Sea Grant, 73059 and 73060.
- 1-JF (mid-channel, north of  
Dungeness Spit): NMFS, Cobb 25.
- 1-SJ (East Sound): NIH, 1968-71.







*Hippoglossoides elassodon*

## Pleuronectidae

Published Records

- 1-S (Seattle): Jordan and Gilbert, 1882; Jordan and Starks, 1896.  
 1-CS (Tacoma): Jordan and Gilbert, 1882; Jordan and Starks, 1896.  
 2-AI (north of Kala Point): Evermann and Goldsborough, 1907.  
 3-AI (north of Tala Point): Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-SJ (San Juan Channel, off Friday Harbor): Wismer and Swanson, 1935.  
 3-GS: Smith, 1936.  
 11-B (Bellingham Bay): Smith, 1936 (also museum 4570, 3835, 3864 south end of Chuckanut Island).  
 5-E (Coupeville): Smith, 1936.  
 1-E (Oak Harbor): Smith, 1936.  
 2-JF (Discovery Bay; Sequim Bay): Smith, 1936.  
 1-SJ (East Sound): Smith, 1937.  
 2-AI (Port Townsend; Port Gamble): Smith, 1936.  
 4-HC (Skokomish Flats; Holly; Hoodspoint; Quilcene Bay): Smith, 1937.  
 1-E (Dines Point): Smith, 1937.  
 2-SS (Carr Inlet; McNeil Island): Smith, 1937.  
 2-E (Skagit and Similk Bays): Stober and Salo, 1970b.  
 1-S (Duwamish Head): Salo, 1969.  
 5-E (Skagit Bay): Salo, 1969.  
 1-S (Seattle Harbor): Townsend, 1935.  
 3-E (Saratoga Pass; Holmes Harbor; Utsalady): Townsend, 1935.  
 1-SJ (Orcas Island): Townsend, 1935.  
 60-PO (south of Fletcher Bay): Cooney, 1967 (also U.W. Ocean., P.O., 1964-65).

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Museum Collection

- 2-E (Utsalady): 696; 862.  
 2-SJ (near Olga): 1122; 1211.  
 1-SJ (West Sound): 2241.  
 4-SJ (East Sound): 2281; 14813 (also Friday Harbor log, 8/11/52); 17065 (also Friday Harbor log, 6/20/63); 17141.  
 1-SJ (Friday Harbor): 2522.  
 1-E (off Snohomish River): 2622.  
 1-E (Saratoga Pass., Sandy Point): 2660.  
 1-E (Holmes Harbor): 3680.  
 1-E (Saratoga Pass., Watsak Point): 5217.  
 1-CS (Port Madison): 5378.  
 1-SS (off Minter Creek): 5683 (also boat, 7/19/49-1).  
 1-E (mouth of Holmes Harbor): 5694 (also boat 491Q).

- 1-B (east of Point Frances): 5695 (also boat 491J).  
 1-SJ (north end of East Sound): 5696 (also boat 491M).  
 1-HC (off Thorndike Bay): 5824 (also boat 499J).  
 1-S (off north of Alki Point): 5855 (also boat 5027A).  
 1-S (south off West Point): 5856 (also boat 5027D).  
 1-E (Port Susan, off Warm Beach): 5957 (also boat 5023B).  
 1-SJ (Friday Harbor night light): 10653.  
 1-SJ (west side of Orcas Island): 14811.  
 1-S (Alki Point Beach): 14812.  
 1-E (off Tulalip): 14815.  
 1-S (off Meadow Point): 15149.  
 1-JF (west of McArthur Bank): 17871 (also Friday Harbor log, 7/19/63-1).  
 1-SS (Carr Inlet): 6101.  
 1-PS: 8307.  
 1-PO (off Fletcher Bay): 17118 (also boat 6406C).  
 1-SJ (mid East Sound): 18673 (also Friday Harbor log, 6/5/64).

Friday Harbor Laboratory Log

- 1-SJ (off Upright Head): 6/28/51-1.  
 1-SJ (Lopez Sound, off Spencer Spit): 6/28/51-3.  
 2-B (Bellingham Bay): 7/26/51-2; 6/22/55.  
 1-B (south of Eliza Island): 8/8/55-1.  
 1-SJ (south of Orcas Island): 6/24/52.  
 1-SJ (Lopez Sound and East Sound): 7/1/52.  
 1-SJ (Reid Harbor, Stuart Island): 7/9/52-2 (also boat 5220H).  
 7-SJ (West Sound): 7/9/52-3 (also boat 5220I); 7/26/60-2; 8/13/60-1; 6/26/61; 6/27/63-B; 6/20/69-2; 7/6/71-2.  
 1-SJ (north of Upright Head): 8/22/55-1.  
 1-SJ (West Sound and Lopez Sound): 6/27/60.  
 5-SJ (lower East Sound): 7/28/55-2; 8/11/55-3; 8/22/55-5; 6/20/50-2 (also boat 5033I); 6/26/73-1.  
 1-SJ (East Sound, or West Sound): 7/25/55.  
 6-SJ (mid East Sound): 8/22/55-7; 1/17/64; 2/21/64; 4/3/64; 7/11/64; 6/20/69-1.  
 6-SJ (East Sound): 7/6/60-2; 7/26/60-1; 8/13/60-1; 6/20/61; 5/11/62; 7/6/71-1.  
 2-SJ (Upright Head to Olga): 8/1/60-2; 7/10/61-2.



*Hippoglossoides elassodon*

## Pleuronectidae

Friday Harbor Laboratory Log

- 1-SJ (Lopez Sound): 8/22/60-4.  
 1-SJ or JF (Cattle Point to Smith Island): 6/28/61-1.  
 1-SJ (west of McArthur Bank): 7/8/69-1.  
 1-SJ (Upright Head to Foster Point): 6/26/73-2.

University of Washington Boat Log

- 1-GS (north of Alden Bank): 491G.  
 1-JF (Sequim Bay): 5318A.  
 1-SJ (off Johns Island): 491E.  
 1-SJ (West Sound): 5033L.  
 2-SJ (East Sound): 5033M; 6512I.  
 14-SJ (training cruise area: East Sound north of Rosario Point): 6507H; 6603H; 6614H; 6620H; 6630H; 6717H; 6722H; 6815H; 6908H; 6914H; 7010H; 7017H; 7118H; 7313H.  
 2-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7118I; 7307I.  
 1-B (east of Point Frances): 491J.  
 2-B (Bellingham Bay): 6715G; 6822G.  
 20-B (training cruise area: southwest of Post Point): 6507G9; 6517G; 6603G; 6614G; 6620G; 6630G; 6717G; 6722G; 6815G; 6819G; 6826G; 6908G; 6914G; 7017G,G.1; 7110G; 7118G; 7307G; 7313G; 7010G.  
 2-E (off Tulalip Bay): 7/1/49-1,2.  
 1-E (off Spee-Bi-Dah, Port Susan): 5023D.  
 4-E (mouth of Penn Cove, off Long Point to off Snatelum Point): 5213A; 5220E; 5321F; 5330H.  
 6-E (Penn Cove, off Coupeville to off Lovejoy Point): 5213B; 5316I,J; 5321A,H; 5418E.  
 18-E (Holmes Harbor, off Rocky Point to Dines Point): 5220D,O; 5234A,C; 5237E,F; 5307C,D,L,Q,R,S; 5312H,I; 5321S; 5327C,D,E.  
 2-E (off Oak Harbor to Blower Bluff): 5220F,N.  
 1-E (north end of Saratoga Pass.): 5220M.  
 10-E (Holmes Harbor, off Dines Point to Classic): 5234D; 5312F,G; 5316A,B,C; 5405G,H; 5712E,F.  
 2-E (Penn Cove, off Lovejoy Point to Long Point): 5321B,G.  
 32-E (Holmes Harbor, south of Classic): 5234E,F; 5237A,B; 5305A,B,G; 5307E,F,G,H,O,P,T,U; 5312B,C,D,E,N; 5316D,E,M,N; 5321T; 5501A,B,C,E,F; 5611B; 5310E.  
 43-E (Holmes Harbor): 5305E,H,I,J,K,L; 5325B; 5327A,B; 5330A,B,C,L,M; 5405B,C,D,E,F; 5418A,B,C,D; 5420A,B,H; 5522D,E;

- 5604D,E,F; 56130,P,Q,R,S,T; 5614D,E,F; 5703E,G,H.  
 4-E (Saratoga Pass., Snatelum Point to Onamac Point): 5316L; 5330I; 5418H; 5712C.  
 1-E (off Utsalady Point): 5321C.  
 2-E (Saratoga Pass., off Snatelum Point): 5321I,J.  
 5-E (Saratoga Pass., Onamac Point to Indian Beach): 5321K; 5330D; 5405L,M,N.  
 1-E: 5712B.  
 1-E (Saratoga Pass., Cama Beach to Lowell Point): 5712D.  
 18-E (Penn Cove): 5327F,G; 5330G; 5405I,K; 5418F,G; 5420G; 5522F,G; 5613U,V,W,X; 5614H,I,J; 5712A.  
 1-E (off north of Kayak Point, Port Susan): 7204A.  
 3-E (training cruise area: Saratoga Pass., north of Langley): 6914D; 7017D; 7307D.  
 3-E (Port Susan, north of Kayak Point to Tulalip): 3-7112.  
 1-E (Port Susan, off Kayak Point): 6702B.  
 1-E (Saratoga Pass.): 6810B.  
 1-E (near Mukilteo): 6407.  
 2-E (training cruise area: off Penn Cove): 6826E; 7110E.  
 1-E (Elger Bay): 7112.  
 1-AI (training cruise area: east of north Marrowstone Island): 6630J.  
 2-CS (mid Quartermaster Harbor): 5042C,D.  
 1-CS (off Port Madison): 5043C.  
 1-CS (east of Point Monroe): 5805C.  
 4-CS (Port Madison): 5122A; 5132D; 5924A; 5932A.  
 3-CS (Port Madison, off Agate Pass.): 5232A; 5302AA; 5310.2F.  
 1-CS (mid-channel, Meadow Point to Port Madison): 5709B.  
 2-CS (training cruise area: mid-channel, Skiff Point to West Point): 6628B; 7313B.  
 3-CS (Murden Cove): 6710B; 6818B; 6906D.  
 77-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5207E; 5223B; 5226A; 5228F; 5230F; 5232C; 5235P; 5236C,E; 5301A,B; 5309A; 5310.3B,.5D,.5G; 5315B; 5317A,B; 5323A; 5402X; 5413A; 5421A; 5422A,B,C; 5503A; 5504; 5507; 5523A,B; 5602A,B; 5615A,B,C; 5707A,B,G,H; 5709C; 5711A; 5809A; 5901AK; 5904A,B,C; 5919B; 5923A,B; 5924B; 5932B; 6001AM; 6008A,B; 6011A; 6016A1,B1,A2,B2,A3,B3,A4,A5,B5; 6021A,B; 6205D1,D2,D3; 6320A; 6403AF; 6425-2A; 6427A,B; 6505A; 6507K; 6707.



*Hippoglossoides elassodon*

## Pleuronectidae

University of Washington Boat Log

- 11-PO (off south of Fletcher Bay):  
5229A,C,D; 5413B,D,F; 5421B;  
5801A,C; 6016B4; 6118A.
- 14-PO ("B-2" to "B-1"):  
5236F; 5301C; 5526A; 6205C1.
- 1-PO (off Manzanita to off Seabold):  
5310.2B.
- 2-PO (off Battle Point and north):  
5310.3A; 5422F.
- 14-PO (most off Fletcher Bay):  
5812B; 5926A; 6002A; 6214; 6711C;  
6713A,F; 6715; 6821.5F; 7011A,B;  
7107A,B; 7313X.
- 5-S (off Golden Gardens to Meadow  
Point):  
497E; 5129C; 5314A; 5920A; 5924C.
- 1-S (off Meadow Point to Carkeek  
Park): 5606A.
- 2-S (off north of Carkeek Park):  
6206C; 6414E.
- 1-HC (Dabob Bay): 7102C.
- 1-HC (mid-channel, off Hoodspoint to  
Potlatch): 6804D.
- 4-HC (Dabob Bay, Broad Spit to Long  
Spit): 6807B; 6724A; 6804B,H.
- 1-HC (opposite Vinland): 7112C.
- 1-HC (west of Misery Point): 7202A.
- 1-HC (just south of floating  
bridge): 7112D.
- 39-SS (Carr Inlet, off Glen Cove to  
Raft and Cutts Islands):  
5009J; 5037C; 5045A,B,C; 5101B,E,  
F; 5102A,B; 5104J,L,P,Q,Y,Z,AA;  
5115F; 5126M; 5201A,O; 5204A,B,C,  
D,K,L,N; 5213D; 5227B; 5613A,B,C,  
D,E,F,G,H,I.
- 24-SS (Carr Inlet, off Minter Creek  
to Elgin): 5037H; 5045G,J;  
5046C; 5101C; 5102C; 5104D,V,X;  
5107A; 5126D,F; 5133B; 5135A,B,C,  
D; 5201G; 5213E,F; 5227D,F,G,I.
- 9-SS (Carr Inlet, off Wauna):  
5037I; 5101A; 5104E,F,G,W; 5126L;  
5227A,C.
- 1-SS (mouth of Carr Inlet, Gibson  
Point to Gertrude Island):  
5046D.
- 1-SS (Carr Inlet, off north of Home  
to off Horsehead Bay Spit):  
5104R.
- 1-SS (Carr Inlet, southwest of Green  
Point): 5104T.
- 1-SS (Case Inlet, west of Herron  
Island): 5126H.
- 1-SS (northwest end of Nisqually  
Reach): 5201C.
- 1-SS (Dana Pass., off Unsal Point):  
5201J.
- 9-SS (Carr Inlet):  
5522A,B,C; 5605A,B,D; 5703A,C,D.
- 2-SS (Case Inlet): 5613J,K.
- 2-SS (Carr Inlet, Glen Cove to Green  
Point): 6724B-2,3.
- 1-SS (Case Inlet, east of Hartstene  
Island): 6724C.

Miscellaneous Logs

- 7-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.
- 3-S (Meadow Point):  
U.W. Ocean., 1964-67.
- 6-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.
- 4-S (Golden Gardens to Meadow  
Point):  
U.W. Ocean., Hoh, 1963-68.
- 43-PO (south and north of Fletcher  
Bay): U.W. Ocean., Hoh, 1963-67.
- 2-HC (Lynch Cove):  
U.W. Ocean., Hoh, 1963-67.
- 3-SS (Case Inlet, off Taylor Bay to  
off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.
- 7-SS (Carr Inlet, off Horsehead  
Bay): U.W. Ocean., Hoh, 1963-67.
- 10-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 25-E (Port Susan):  
U.W. Ocean., Hoh, 1963-67.
- 2-E (Port Gardner Bay):  
U.W. Ocean., Hoh, 1963-67.
- 3-E (Penn Cove):  
U.W. Ocean., Hoh, 1963-67.
- 4-E (off Demock Point to off  
Utsalady Point):  
U.W. Ocean., Hoh, 1963-67.
- 1-E (Saratoga Pass., off Demock  
Point):  
U.W. Ocean., Hoh, 1963-67.
- 2-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Case Inlet, off Taylor Bay to  
off Whiteman Cove):  
U.W. Ocean., Commando, 1968.
- 1-E (Port Susan): U.W. Ocean.,  
herring trawl, 1968-69.
- 3-AI (Port Townsend Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Discovery Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Samish Bay; Bellingham Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 3-SJ (East Sound):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Susan; Port Gardner Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 14-JF (Discovery Bay): WSDF,  
groundfish trawl, through 1970.
- 1-E (Holmes Harbor): WSDF,  
groundfish trawl, through 1970.
- 8-B (Bellingham Bay): WSDF,  
groundfish trawl, through 1970.
- 3-JF (Discovery Bay): WSDF,  
Commercial Catch Comp., 1966-71.
- 1-E (Holmes Harbor): WSDF,  
Commercial Catch Comp., 1966-71.
- 1-E (Saratoga Pass.): WSDF,  
Commercial Catch Comp., 1966-68.
- 1-B (west of Lummi Island): WSDF,  
Commercial Catch Comp., 1969-70.
- 1-SS (Carr Inlet): WSDF, Commercial  
Catch Comp., 1969-70.



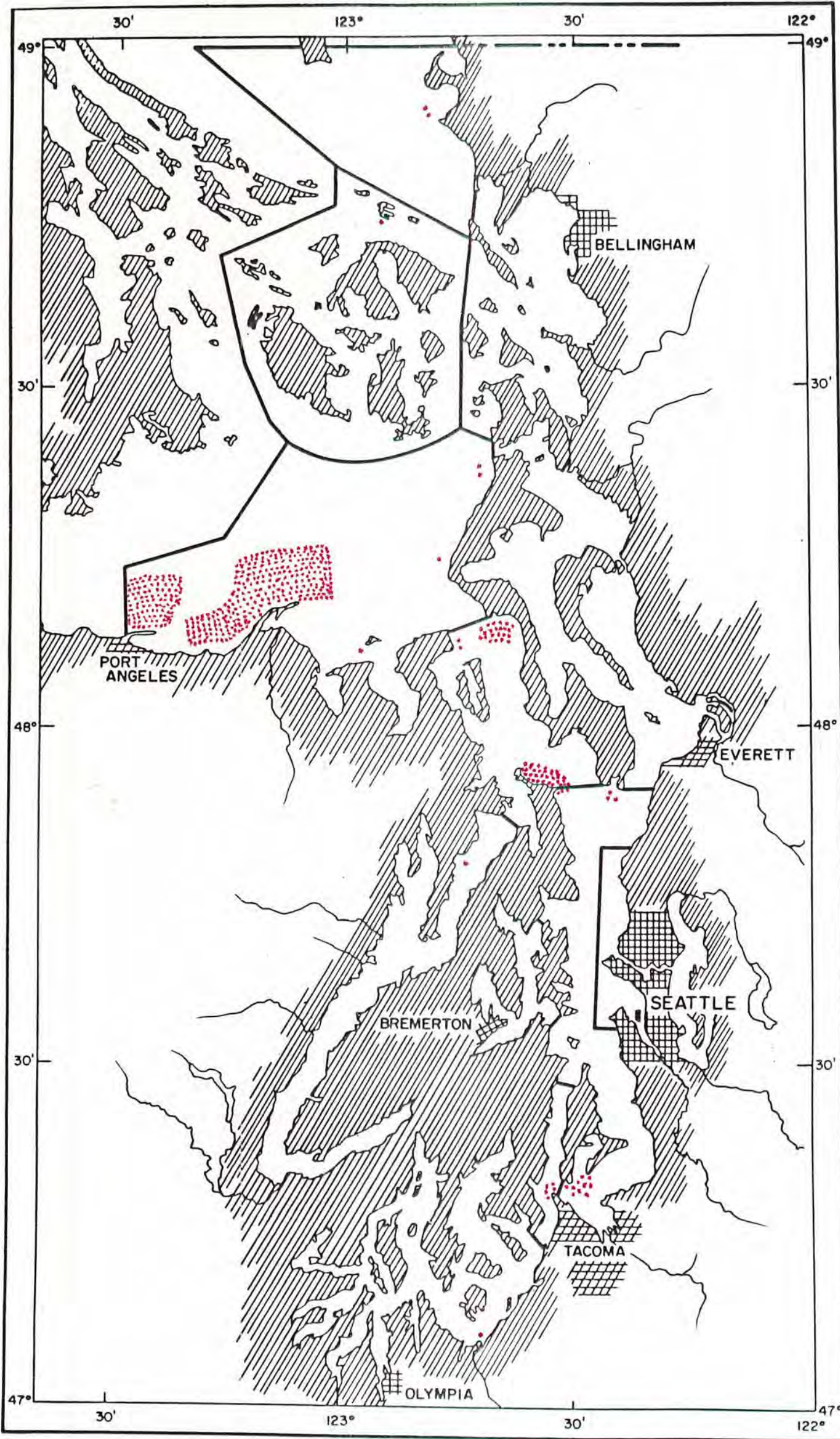
*Hippoglossoides elassodon*

## Pleuronectidae

Miscellaneous Logs

- 2-SS (Case Inlet): WSDF, Commercial Catch Comp., 1969-70.
- 29-AI (east of Port Townsend): NMFS, Cobb 35.
- 5-JF (west of Protection Island): NMFS, Cobb 35.
- 2-JF (Discovery Bay): NMFS, Cobb 35.
- 3-SS (Carr Inlet): NMFS, Cobb 68.
- 1-E (Holmes Harbor): NMFS, Cobb 68.
- 3-PO (Narrows, south of Fletcher Bay): NMFS, Cobb 68.
- 1-E (Holmes Harbor): NMFS, Cobb 70.
- 1-JF (northwest of Dungeness Spit): NMFS, Cobb 92.
- 1-E (Everett Harbor): NMFS, Cobb, 1/20/61.
- 116-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 7-SJ (East Sound): NIH, 1968-71.
- 3-B (Bellingham Bay, off Nooksack River to Marine Drive): NIH, 1968-71.
- 1-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 1-PO (off Fletcher Bay): NIH, 1968-71.
- 2-CS (Port Madison): Van Cleve, trap, 1961-65.
- 2-E (Holmes Harbor): Van Cleve, trap, 1961-65.
- 1-JF (lower Sequim Bay): Sea Grant, 71110.
- 1-JF (lower Discovery Bay): Sea Grant, 71111.
- 1-GS (tow area 3, off Cherry Point): WSDF, Gulf Georgia, 1969-71.
- 19-JF (west of Protection Island): NMFS, Cobb, 2/28/73.
- 1-CS (south of Possession Point): NMFS, Cobb, 2/28/73.
- 4-GS (south of Cherry Point): Sea Grant, 1972.
- 2-B (Bellingham Bay: mid-channel off Nooksack Flats; mid-channel off Point Frances): Sea Grant, 72035.
- 3-PO (off south of Fletcher Bay): Sea Grant, 73008.
- 1-B (Bellingham Bay, off Nooksack River Flats): Sea Grant, 73032.
- 4-HC (mid-channel, off Union): Sea Grant, 1973-74.
- 1-HC (mid-channel, off Skokomish Delta): Sea Grant, 1973.
- 2-SS (Cormorant Pass.): Sea Grant, 73060.







*Hippoglossus stenolepis*

## Pleuronectidae

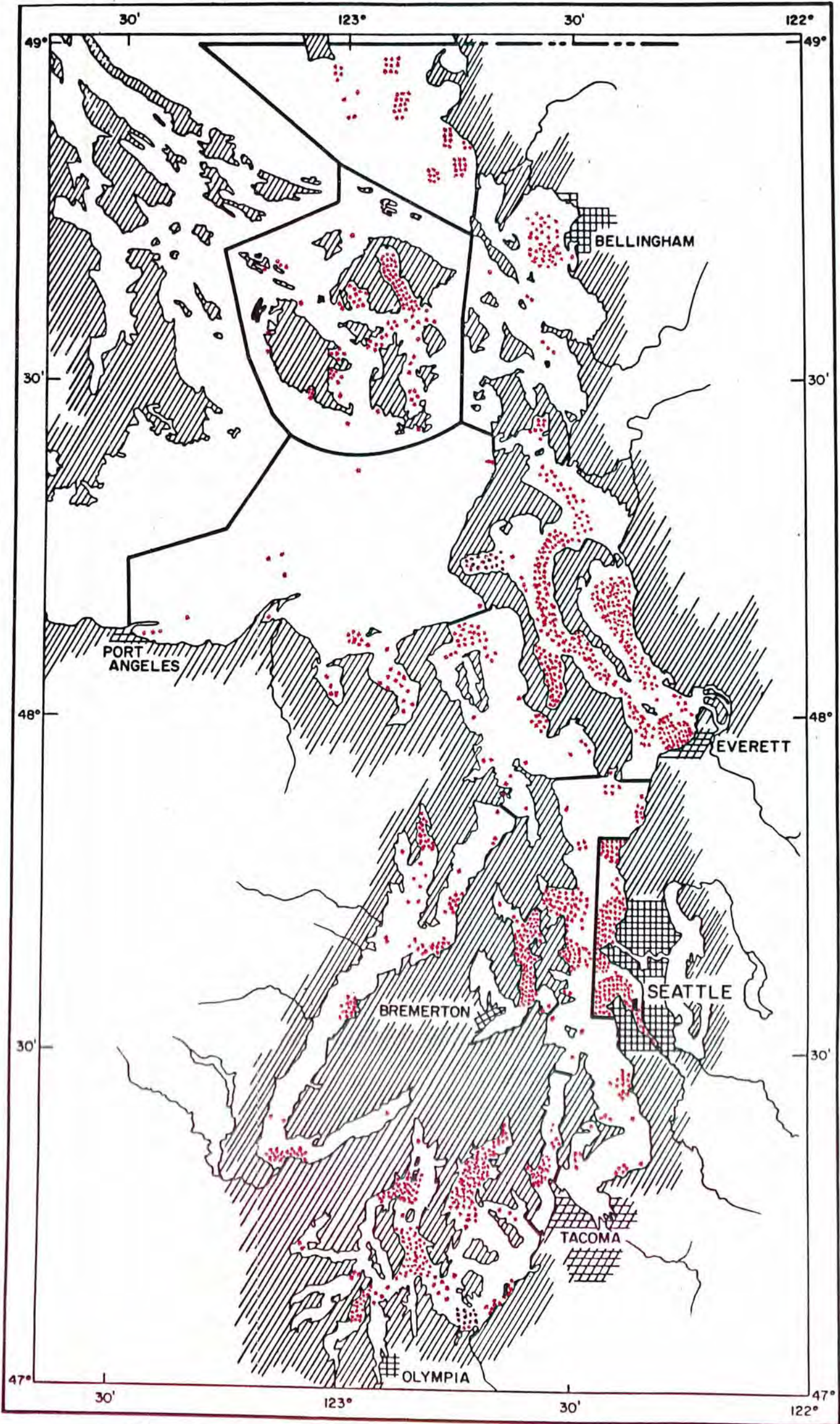
Published Records

- 50+-JF (fishing grounds: north of Ediz Hook; northeast of Dungeness Spit; mid-channel northeast and north of Dungeness Spit): Collins, 1892; Thompson and Freeman, 1930.
- 10+-AI (fishing grounds: tip of Foulweather Bluff to south of Point No Point): Collins, 1892; Thompson and Freeman, 1930.
- 1-PS: Kincaid, 1919.
- 1-JF (mid-channel, north of Dungeness Spit): Greenwood, 1957 (also NMFS, Cobb 25).
- 1-GS: Smith, 1936.
- 1-JF (west coast of Whidbey Island): Schultz and DeLacy, 1935-36.
- 10+-AI (Admiralty Head): Haw and Buckley, 1971.
- 50+-JF (Sport Catch, off Dungeness Spit and off Green Point): Haw and Buckley, 1971.
- 1-CS (off Possession Point): Fishing and Hunting News, 6/24/72.
- 1-SS (near Nisqually River mouth): Slipp, 1948a.
- 5-CP (Point Defiance area): Slipp, 1948a.
- 10+-CS (mouth of Quartermaster Harbor): Slipp, 1948a.

Miscellaneous Logs

- 2-JF (off West Beach): WSDF, Sport Fish., 1965-70.
- 1-HC: WSDF, Sport Fish., 1965-70.
- 1-JF (Protection Island): WSDF, groundfish trawl, through 1970.
- 1-SJ (Sucia Island): Allyn Johnson, Sport Catch, 1972.
- 2-AI (east of Port Townsend): NMFS, Cobb 35.
- 1-JF (off Dungeness Spit): NMFS, Cobb 69.
- 2-JF (off Dungeness Spit): Bill High, personal communication, 8/2/71.
- 2-GS (off Birch Bay to off Point Whitehorn): Larry Roberts, 4/22/67 and Mr. Bayley, 5/22/72, Sport Catch; Tom McCalib, Birch Bay Marine, personal communication, 5/24/72.
- 1-HC (Thorndike Bay): Percy Washington, personal communication, 1973.
- 1-CS (off Possession Point to off Cultus Bay): Bill Nelson, personal communication, 1973.
- 1-CS (off Possession Point to off Cultus Bay): Percy Washington, personal communication, 1973.







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## Pleuronectidae

Published Records

- 1-PS: Jordan and Gilbert, 1882.  
 1-JF (beach seine: Port Angeles):  
     Gilbert, 1895.  
 1-AI (Port Ludlow): Starks, 1896b.  
 1-SJ: Starks, 1911.  
 1-PS: Kincaid, 1919.  
 1-PS: Norman, 1934.  
 1-SJ: Shelford et al., 1935.  
 1-SJ (Friday Harbor):  
     Wisner and Swanson): 1935.  
 1-HC (Holly):  
     Schultz and DeLacy, 1935-36.  
 2-AI (north of Tala Point;  
     Marrowstone Point):  
     Evermann and Goldsborough, 1907.  
 1-JF (off Admiralty Head):  
     Evermann and Goldsborough, 1907.  
 4-GS: Smith, 1936.  
 9-B (Bellingham Bay): Smith, 1936.  
 5-E (Coupeville): Smith, 1936.  
 1-JF (Sequim Bay): Smith, 1936.  
 2-AI (Port Townsend; Port Gamble):  
     Smith, 1936.  
 2-HC (Dabob Bay; Bangor):  
     Smith, 1936.  
 1-SS (Hale Pass.): Smith, 1936.  
 4-SS (Anderson Island; Nisqually  
     Flats; Dofflemeyer Point; Hale  
     Pass.): Smith, 1937.  
 1-CS (north of Point Pully):  
     Smith, 1937.  
 2-E (Gedney Island): Smith, 1937.  
 4-E (Columbia Beach; Langley;  
     Camano; Watsak Point):  
     Smith, 1937.  
 1-CS (Meadowdale): Smith, 1937.  
 2-HC (Holly; Hoodspoint):  
     Smith, 1937.  
 1-HC (Quilcene Bay): Smith, 1937.  
 3-SJ (Upright Channel; Obstruction  
     Island; Blakely Island):  
     Smith, 1937.  
 2-JF (mid-channel, north of  
     Dungeness Spit):  
     Greenwood, 1957.  
 1-E (Kiket Island):  
     Stober and Salo, 1970b.  
 2-E (Skagit and Similk Bays):  
     Stober and Salo, 1970b.  
 6-E (Similk Bay):  
     Stober and Salo, 1970a.  
 4-E (Skagit Bay):  
     Stober and Salo, 1970a.  
 8-S (Duwamish River estuary):  
     Salo, 1969.  
 103-S (Duwamish Head): Salo, 1969.  
 5-E (Port Gardner Bay): Salo, 1969.  
 19-E (Skagit Bay): Salo, 1969.  
 1-B (Bellingham Bay, north of Eliza  
     Island): Tyler, 1964.  
 4-CS (beach seine south side of  
     Point Jefferson): Kendall, 1966.  
 2-S (Seattle Harbor; Shilshole Bay):  
     Townsend, 1935.  
 1-E (Saratoga Pass.):  
     Townsend, 1935.  
 4-CS (Dumas Bay): Miller, 1971b  
     (also NIH, 71105 and 71106).  
 7-CS (Seahurst County Park):  
     Miller, 1971a (also boat 7113 and  
     NIH 71101).  
 50+-E (sport catch: Port Gardner;  
     Port Susan; and Saratoga Pass.):  
     Haw and Buckley, 1971.  
 50+-HC (sport catch):  
     Haw and Buckley, 1971.  
 50+-CS (sport catch):  
     Haw and Buckley, 1971.  
 50+-SS (sport catch):  
     Haw and Buckley, 1971.  
 5-HC (Anderson Cove): Chew, 1970.  
 10+-HC (commercial catch):  
     DiDonato, 1969.  
 13-S (beach seine: Golden Gardens):  
     Kendall, 1966.

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- 2-SJ (Flat Point): 687; 703.  
 10-S (Alki Point):  
     767; 782; 802; 868; 1922; 4460;  
     4482; 5133; 5135; 6109.  
 2-SJ (Deer Harbor): 813; 1233.  
 2-SJ (Peavine Pass.): 1095; 1337.  
 1-SJ (Davis Bay): 1193.  
 1-SJ (near Peavine Pass.): 1204.  
 1-SJ (near Olga): 1210.  
 1-SJ (East Sound, entrance): 1294.  
 1-SJ (northeast side of San Juan  
     Island): 1298.  
 1-PO (off Seabold): 4374.  
 1-S (Edmonds, hand seine): 4411.  
 6-S (Edmonds Beach): 4475; 5293;  
     5442; 5484; 5515; 5522.  
 1-S (beach seine: Alki Point):  
     4528.  
 2-S (beach seine, spit near Ballard  
     Locks): 4612; 4620.  
 3-PS: 4748; 11603; 5392.  
 1-AI (Skunk Bay): 4812.  
 1-JF (Port Angeles): 4959.  
 3-CS (Port Madison, off Indianola):  
     5890 (also boat 3/25/49-3); 6102;  
     6127.  
 1-CS (north side of Maury Island):  
     6134.  
 1-PO (Liberty Bay): 6188.  
 2-CS (Port Madison): 7640 (also  
     boat 1/22/49-1); 10353.  
 1-AI (Bywater Bay): 14678.  
 1-E (Gedney Island): 14830.  
 1-AI (Admiralty Inlet): 17021.  
 1-B (east northeast of Vendovi  
     Island): 7670.  
 1-SS (off Budd Inlet):  
     10352 (also boat 7/20/49-4).  
 1-E (Port Susan, off Warm Beach):  
     5954 (also boat 5023B).  
 1-AI (off Useless Bay):  
     5640 (also boat 5/7/49-1).



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- 2-CS (off Cultus Bay):  
5640 (also boat 5/7/49-2,3).
- 9-S (beach seine: Golden Gardens):  
6001 (also boat 5021A); 6015  
(also boat 5021B); 6008 (also  
boat 5021C); 6010 (also boat  
5021F); 14834 (also boat 5209A);  
14838 (also boat 5215U); 14851  
(also boat 5108C); 14902 (also  
boat 5001); 16580.
- 1-SJ (Griffin Bay): 2162.
- 3-S (Carkeek Park):  
5999 (also boat 5022B); 6054;  
12741 (also boat 5708B).
- 2-SJ (Friday Harbor): 2206; 14901.
- 1-SJ (West Sound): 2240.
- 1-SJ (Harney Channel): 2263.
- 1-S (beach seine: North Beach):  
4672.
- 1-S (off North Beach): 4677.
- 1-S (North Beach): 4683.
- 2-S (south of Richmond Beach):  
4715; 5346.
- 1-CS (beach seine: Redondo Beach):  
4743.
- 1-S (off Meadow Point): 4763.
- 1-S (Edmonds): 4922.
- 1-S (Edwards Point to Wells Point):  
4987.
- 1-S (three miles north of Ballard  
Locks): 5005.
- 1-PO (Agate Pass., buoy N4 to N6):  
5964 (also boat 3/25/49).
- 3-SJ (East Sound): 6070; 16679 and  
16695; 17062 (also Friday Harbor  
log, 6/20/63).
- 1-SJ (East Sound, south of Rosario  
Point):  
18663 (also NIH, 1964-66).
- 1-S (one mile south of Alki Point):  
6060.
- 2-S (off Golden Gardens):  
8283 (also boat 494B); 10647  
(also boat 495D).
- 1-B (east northeast of Vendovi  
Island): 8311 (also boat 491K).
- 2-S (Meadow Point to Spring Beach):  
10363; 10364.
- 1-S (Seattle): 10369.
- 1-S (Golden Gardens): 10372.
- 1-S (south of Meadow Point): 10657.
- 1-S (beach seine: Carkeek Park):  
14822.
- 1-AI (off White Rock):  
14829 (also boat 499K).
- 1-S (Richmond Beach): 14832.
- 1-CS (head to Quartermaster Harbor):  
14832 (also boat 5042B).
- 1-SJ (northeast of Waldron Island):  
14904.
- 1-S (Shilshole Bay): 15423.
- 1-SS (Johns Island, second bay):  
15846.
- 1-CS (beach seine: Cultus Bay):  
16620 (also boat 5217A).

- 1-S (one mile south of Duwamish  
Head): 16624.
- 1-PO (off Fletcher Bay):  
17115 (also boat 6406C).
- 1-B (Chuckanut Bay): 18096.
- 1-E (Port Susan, off Spee-Bi-Dah):  
17840.

Friday Harbor Laboratory Log

- 2-B (Bellingham Bay):  
7/26/51-2; 6/22/55.
- 1-SJ (off Upright Head): 6/28/51-1.
- 1-SJ (Lopez Sound, off Spencer  
Spit): 6/28/51-3.
- 1-JF (west of McArthur Bank):  
7/12/51-1.
- 1-SJ (Lopez Sound and East Sound):  
7/1/52.
- 1-SJ (Salmon Banks): 7/7/52-3.
- 1-SJ (Stuart Island, Reid Harbor):  
7/9/52-2 (also boat 5220H).
- 6-SJ (West Sound): 7/9/52-3 (also  
boat 5220I); 7/26/60-2; 6/26/61;  
6/27/63-B; 6/20/69-2; 7/6/72-2.
- 1-SJ (Friday Harbor lab): 8/3/52.
- 2-SJ (north side of Johns Island,  
second bay): 8/19/52-1,2.
- 1-SJ (Friday Harbor): 8/15-16/52.
- 5-SJ (False Bay):  
8/4/52-2; 7/24/60; 8/5/60;  
6/29/61; 6/21/63.
- 6-SJ (East Sound):  
8/11/52; 7/6/60-2; 7/26/60-1;  
8/13/60-1; 6/20/61; 7/6/72-1.
- 4-SJ (lower East Sound): 7/28/55-2;  
8/11/55-3; 6/20/50-2; 6/26/73-1.
- 1-SJ (East Sound or West Sound):  
7/25/55.
- 1-SJ (Upright Channel, Ogden Park):  
8/22/55-8.
- 3-SJ (Squaw Bay):  
8/1/55; 8/1/60-1; 7/10/61-1.
- 5-SJ (Argyle Bay):  
8/16/55-1; 8/11/60-3; 7/12/61-1;  
7/15/63; 7/10/69-4.
- 1-SJ (north of Flat Point):  
6/20/50-1 (also boat 5033H).
- 1-SJ: 7/14/67.
- 1-SJ (West Sound and Lopez Sound):  
6/27/60.
- 2-SJ (Upright Head to Olga):  
8/1/60-2; 7/10/61-2.
- 1-SJ (Mitchell Bay): 8/13/60-1.
- 2-SJ (North Bay): 8/18/60-1,2.
- 1-SJ (McArdle Bay): 8/22/60-3.
- 1-SJ (Lopez Sound): 8/22/60-4.
- 1-SJ (Smallpox Bay): 7/13/61.
- 6-SJ (mid East Sound):  
1/17/64; 2/21/64; 4/3/64; 6/5/64;  
7/11/64; 6/20/69-1.
- 1-SJ (Upright Head to Foster Point):  
6/26/73-2.



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- 1-JF (off Ediz Hook to Green Point): 5705E.  
 1-SJ (Lopez Sound, south of Spencer Spit): 5033P.  
 1-SJ (Lopez Sound, west of Ram Island): 5033R.  
 1-SJ (East Sound): 6512I.  
 4-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I; 7110I; 7118I; 7307I.  
 13-SJ (training cruise area: East Sound, north of Rosario Point): 6507H; 6517H; 6603H; 6614H; 6620H; 6630H; 6717H; 6815H; 6914H; 7010H; 7110H; 7118H; 7313H.  
 18-B (training cruise area: southwest of Post Point): 6507G9; 6517G; 6603G; 6614G; 6620G; 6630G; 6815G; 6819G; 6826G; 6908G; 6914G; 7010G; 7017G,G.1; 7110G; 7118G; 7307G; 7313G.  
 2-B (Bellingham Bay): 6517G; 6822G.  
 2-E (Port Susan, off Warm Beach): 5023A,C.  
 2-E (off Mission Beach): 5023E,F.  
 2-E (Penn Cove, off Coupeville to Lovejoy Point): 5213C; 5316J.  
 11-E (Holmes Harbor, Rocky Point to Dines Point): 5234A; 5307A,B,C,D,K,L,Q,R,S; 5312I.  
 22-E (Holmes Harbor, south of Classic): 5305A,G; 5307E,F,G,H,M,N,O,T,U; 5312B,C,D,E,L; 5316E,N; 5501A,B,C,E.  
 11-E (Holmes Harbor, Dines Point to Classic): 5305C,D; 5307I,J; 5312G,J,K; 5405G,H; 5501D; 5712F.  
 27-E (Holmes Harbor): 5305H,J,L,M; 5325B; 5327A,B; 5405A,B,C,D,E,F; 5418D; 5420A,B,C; 5522D; 5604D,E,F,G,H,I; 5703E,G; 6117A.  
 2-E (beach seine: Good Beach, Penn Cove): 5316G,H.  
 3-E (off Utsalady Point): 5321C,D,E.  
 1-E: 5712B.  
 7-E (Saratoga Pass., off Onamac Point to Indian Beach): 5321K,L; 5405L,M,N; 5418K,L.  
 9-E (in Elger Bay): 5321M,N; 5330J; 5405O,P,Q; 5418I,J; 7112.  
 2-E (Saratoga Pass., off Saratoga to Langley): 5321O; 5330K.  
 3-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5330F,I; 5712C.  
 7-E (Penn Cove): 5405I,J,K; 5420F,G; 5712A; 5810H.  
 1-E (Saratoga Pass., off north Bluff to off Greenbank): 5418M.  
 1-E (Saratoga Pass., Cama Beach to Lowell Point): 5712D.  
 1-E (Penn Cove mouth, off Long Point to off Snatelum Point): 5810G.  
 2-E (Saratoga Pass.): 6810B,C.  
 1-E (training cruise area: Saratoga Pass. north of Langley): 6614D.  
 1-E (training cruise area: off Penn Cove): 6614E.  
 1-E (north of Kayak Point to Tulalip in Port Susan): 7112.  
 1-AI (off Port Townsend): 5009B.  
 1-AI (in Oak Bay): 5009C.  
 1-AI (off Tala Point to Hood Head): 6902M.  
 3-AI (training cruise area: east of the north end of Marrowstone Island): 6507J; 6603J; 6630J.  
 1-HC (off Shine to off Sisters buoy): 12/28/48-2.  
 2-HC (off Lofall): 12/28/48-3,4.  
 1-HC (opposite Hoodsport): 499F.  
 1-HC (Dabob Bay, off Tabook Point): 499I.  
 4-HC (Dabob Bay): 6202A; 7102A,H,K.  
 1-HC (west of Seabeck Bay): 6902J.  
 1-HC (opposite Vinland): 7112C.  
 2-HC (off Pleasant Harbor): 6902K; 7003I.  
 3-HC (Anderson Cove): 7009B,C,D.  
 26-HC (Dabob Bay, Broad Spit to Long Spit): 6503C,E; 6601C,D; 6629A,D,E; 6702D,E,F; 6724A; 6804B; 6828A; 6902E,F; 7202D,E,F,G,H,I; 7303A,B,C,D,E.  
 18-CS (Port Madison): 1/22/49-2,3,4,5; 2/5/49-1; 2/22/49-1; 6/30/49; 492A; 5006B,C; 5043A; 5048B; 5122A; 5131B; 5812A; 5932A; 6203A; 7011C.  
 4-CS (off Port Madison): 5006E; 5043B,C; 5223A.  
 2-CS (off Cultus Bay): 5032A; 5042Q.  
 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.  
 1-CS (Tramp Harbor): 5104A.  
 1-CS (north of Des Moines): 5224A.  
 5-CS (off Agate Pass., Port Madison): 5232A; 5236A; 5302AA; 5310.2F; 5317C.  
 1-CS (west of Point Monroe): 5315D.  
 1-CS (mid-channel, Meadow Point to Port Madison): 5709B.  
 1-CS (off Fay Bainbridge State Park): 5805A.  
 4-CS (east of Point Monroe): 5805C; 5813A,B,C.  
 2-CS (beach seine: south of Fay Bainbridge State Park): 5806A,B.  
 44-CS (Murden Cove): 6610A,C,D; 6612A,B; 6613A,B; 6616; 6706B; 6710A; 6711D2; 6713C,D,G,H; 6806B; 6809A; 6812B,C,D,E; 6818A,B,C; 6819X; 6821.5G,H,I; 6823-1,2,3; 6906A,B,C,D,E; 6912; 7008A; 7108A,B,C,D; 4/4/73B; 7308A.



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- 1-CS (training cruise area: mid-channel, West Point to Skiff Point): 73083.
- 4-CS (off Murden Cove): 6610B; 6710A2,B2,C2.
- 1-CS (Vashon Island, off Sylvan Beach): 6703A.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 3-CS (trap, Port Madison): 6213-1,2,3.
- 1-CS (trap, Blake Island): 6217-4.
- 1-CS (Manchester): 6618.
- 1-CS (off West Point): 7017Y.
- 20-PO (Agate Pass., buoy N4 to N6): 2/5/49-2; 2/22/49-3,4; 3/25/49; 5006A; 5048A; 5106E; 5131A; 5132C; 5206A; 5309C; 5310.1b,.2E,.3D,.4F,.5C,.5F,.5J; 5315C; 6617B.
- 5-PO (south part of Agate Pass.): 495C; 4910B; 5011C; 5207G; 5401B.
- 1-PO (north of buoy N4): 5020B.
- 13-PO (off south of Fletcher Bay): 5229A,C,D; 5413B,C,E,F; 5926B,C,D,E; 6016B4; 6118A.
- 91-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5206B; 5207D,E; 5223B; 5226A,B; 5228E,F; 5230F; 5232C; 5235P; 5236C,D,E; 5301A,B,D; 5303; 5306A; 5309A; 5310.3B,.5D,.5G; 5315B; 5317A,B; 5323A; 5402X; 5404.1; 5409.1; 5421A; 5422A,B,C,D; 5503A; 5504; 5523A,B; 5602B; 5615A; 5707A,E,G,H; 5709C; 5711A; 5809A; 5901AK; 5904A,B,C; 5906A; 5912A; 5915A,E; 5919A,B; 5923B; 5924B; 5927C; 6001AN; 6003A; 6006A,B; 6008A; 6011A; 6016A1,B1,A2,B2,A3,B3,A4,B5; 6021A,B,C,D,E; 6101C; 6109A; 6111A,B; 6205D1,D2,D3; 6320C; 64C3AF; 6425; 6427B.
- 13-PO (off Manzanita to Seabold): 5236B; 5310.1C,.1D,.2B,.2C,.2D,.4A,.4B,.5A,.5B,.5E; 6215A,B.
- 5-PO (off Battle Point and north): 5309B; 5310.1A,.3A; 5422F,G.
- 2-PO ("B-2" to "B-1"): 5301C; 5526A.
- 1-PO (in Manzanita Bay): 5310.3C.
- 2-PO (Point Bolin to Keyport): 5310.4D,.4E.
- 25-PO (most off Fletcher Bay): 5812B; 5926A; 6002A; 6007B; 6009A; 6203C,D; 6204A; 6214; 6419; 6515; 6713A,B,E,F; 6715; 6821.5F; 7011A,B; 7020; 7104-1; 7105-1,2; 7302A; 7313X.
- 6-PO (beach seine: one mile north of Illahee Dock): 6205A1.1,1.2,2.1,2.2,3.1,3.2.
- 3-PO ("B-2" to "B-3"): 6205C1,2,3.
- 1-PO (off Seabold Wharf): 6617A.
- 1-PO (Brownsville to White Point): 6806A.
- 20-S (off Meadow Point to Carkeek Park): 5020A; 4/16/49-3; 5039E; 5041B; 5211A,B; 5212A,B,D; 5216A; 5233A; 5606A; 5713A,D; 6414B,C; 6510A,B; 7120A,B.
- 101-S (off Golden Gardens to Meadow Point): 4/2/49-1,2; 4/16/49-2,4,5; 491A; 494C; 496A,C; 497E; 498A,B; 5003A; 5007B; 5008B; 5009K; 5011D; 5014C; 5017C,D,F; 5028A,B; 5029C,D; 5033A; 5034A,B,D; 5039D; 5110B,E,F; 5112A,C,E; 5119C,D,G,H; 5127B; 5129C; 5131C; 5132A,B; 5136A; 5203C,D; 5233B,C; 5314C; 5324B,C,D; 5329A,C,D; 5408A; 5416A; 5512E,F,G; 5521A,D,E; 5607A,B; 5616A,B; 5702AN; 5704D,E; 5707J,K; 5709A; 5713G; 5907B,C,D; 5911A; 5920A,B,E,F; 5924C; 6005A; 6010B,C,D; 6018A; 6112A,B,C; 6114A; 6206A,B; 6311A,D; 6506A,C; 6510C.
- 21-S (beach seine: Carkeek Park): 5022A,C; 5219A,B; 5220A,C; 5221B,C; 5225A,B; 5231A; 5311A,B; 5313A,B,C; 5708B,C,D; 5808A,B.
- 189-S (beach seine: Golden Gardens to Meadow Point): 492E; 5007D; 5010A; 5012B,C; 5015A; 5016A,B,C,D; 5018A; 5019C; 5021G; 5024A,C,D; 5030B; 5032.1A,C; 5036A; 5047A,B,C; 5105A; 5108A,B; 5110G,H; 5112G; 5114A,B; 5116A,C1,C2,D1,E,F,G1; 5119E,F; 5121B; 5127C; 5129B; 5134A,B; 5137A,B; 5208A,B; 5209C,D; 5214A1,A2,B1,B2,C1,C2,D1,D2,E1,E2,F; 5215A,B,C,D,E,F,H,I,J,K,L,M,N; 5308A,B; 5320A; 5322A; 5324E; 5328A; 5329E; 5404A; 5406; 5407; 5409; 5412A; 5415J,M,O,B,P; 5417A; 5424B; 5505B; 5508C; 5513C,D; 5609A,B; 5612A; 5706A,B,C; 5710A,B; 5804A; 5807A,B; 5909D,E; 5913A; 5914A,C; 5920K,M,N,O; 5925A,B; 6019A; 6110; 6113A,B,C; 6115A; 6116A,B; 6207A,B,C; 7209A,B,D; 6211; 8-6309; 12-6310; 6311C; 6410A,B; 6411A,B; 6-6417; 6508A,B,C,D; 6509A,B,C,D; 6511C,D,E,F; 6513A; 6518A,B; 6708A,B,C; 6709B; 6711A2,B2,C2; 6716A.
- 4-S (off Alki Point to Duwamish Head): 5027A,B; 5616D; 5702AM.
- 2-S (off south of West Point to off Four-Mile Rock): 5027D; 5602C.
- 1-S (Meadow Point): 6414A.
- 1-S (north of Meadow Point): 6406A.
- 1-S (north of Carkeek Park): 6414E.
- 1-S (Meadow Point to Richmond Beach): 6429A.
- 2-S (west of Duwamish Head): 6615A,B.
- 1-S (one mile southwest of West Point): 6806C.



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- 1-S (off West Point sewer outfall): 6718-6.  
 16-S (beach seine: Alki Point to Duwamish Head): 16-6619.  
 8-S (beach seine: north side of West Point): 7310A2,A3,A4,B1,B2; 7311A,B,C.  
 1-CP (off Paradise Cove to Point Sandford): 5126N.  
 4-CP (off Camp Sealath): 5009E,F; 5104CC,DD.  
 1-CP (off south of Point Sandford): 7/18/49-1.  
 1-CP (south end of West Pass.): 7/21/49-1.  
 1-SS (Drayton Pass.): 7/19/49-2.  
 2-SS (off McLane Cove to Stretch Island): 7/20/49-3; 5201L.  
 1-SS (Case Inlet, west of Herron Island): 5009G.  
 1-SS (north end of Pickering Pass to off McLane Cove): 5009H.  
 5-SS (northwest end of Nisqually Reach): 5009I; 5201C,D,M; 5204F.  
 33-SS (Carr Inlet, off Glen Cove to off Raft and Cutts Islands): 5009J; 5037G; 5045A,B,C,H; 5101B,E; 5104J,K,L,M,N,O,P,Y,AA; 5115F; 5126M; 5201A,B,O; 5204C,D,M,N; 5213D; 5227B; 5613B,C,G,H,I.  
 2-SS (Carr Inlet, east side of Cutts Island): 5037D,F.  
 1-SS (Hale Pass, off Arletta to Cromwell): 5046B.  
 23-SS (Carr Inlet, off Minter Creek to Elgin): 5037H; 5045J; 5046C; 5101C; 5102C; 5104D,I,V,X; 5126F; 5133F,J; 5135A,C,D; 5201G,P; 5213F; 5227D,E,F,G,I.  
 10-SS (Carr Inlet, off Wauna): 5037I; 5045I; 5101A; 5104E,F,G,W; 5126L; 5227A,C.  
 1-SS (Carr Inlet, off north of Home to off Horsehead Bay Spit): 5104R.  
 1-SS (Carr Inlet, southwest of Green Point): 5104T.  
 2-SS (Oakland Bay, off Shelton): 5115B,C.  
 1-SS (Case Inlet, off Victor): 5126G.  
 3-SS (Totten Inlet, off Windy Point to Steamboat Island): 5115D; 5201K; 5204I.  
 1-SS (Dana Pass., off Unsal Point): 5201J.  
 1-SS (Dana Pass., off Brisco Point to Dofflemeyer Point): 5204H.  
 6-SS (Carr Inlet): 5522C; 5605B,D; 5703A,B,C.  
 2-SS (Case Inlet): 5613K,L.  
 5-SS (Eld Inlet, trap area, one mile northeast of Flapjack Point): 6208A,B; 6217-2; 6219-1,2.  
 2-SS (Carr Inlet, Glen Cove to Green Point): 6724E-2,3.

Miscellaneous Logs

- 1-JF (off West Beach): WSDF, Sport Fish., 1965-70.  
 1-E (Skagit and Similk Bays): WSDF, Sport Fish., 1965-70.  
 7-E (Everett): WSDF, Sport Fish., 1965-70.  
 1-AI (off Bush Point): WSDF, Sport Fish., 1965-70.  
 3-SS: WSDF, Sport Fish., 1965-70.  
 10+-HC: WSDF, Sport Fish., 1968.  
 50+-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.  
 50+-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.  
 271-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.  
 50+-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.  
 50+-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.  
 1-HC (Lynch Cove): U.W. Ocean., Hoh, 1963-67.  
 21-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.  
 3-HC (Seabeck Bay): U.W. Ocean., Hoh, 1963-67.  
 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.  
 3-SS (Nisqually Flats): U.W. Ocean., Hoh, 1963-67.  
 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.  
 2-CS (Norma Beach): U.W. Ocean., Hoh, 1963-68.  
 50+-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.  
 18-E (Port Susan): U.W. Ocean., Hoh, 1963-67.  
 16-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.  
 19-E (off Demock Point to Utsalady Point): U.W. Ocean., Hoh, 1963-67.  
 9-E (Saratoga Pass., Demock Point): U.W. Ocean., Hoh, 1963-67.  
 8-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.  
 2-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.  
 2-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.  
 1-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.  
 4-CS (Apple Cove Point): U.W. Ocean., Hoh, S.J., 1966.  
 1-CS (Pilot Point): U.W. Ocean., Hoh, S.J., 1966.  
 2-AI (Mutiny Bay): U.W. Ocean., Hoh, S.J., 1966.  
 1-AI (Admiralty Bay, off Greenbank): U.W. Ocean., Hoh, S.J., 1966.  
 3-AI (Port Townsend Bay): U.W. Ocean., Hoh, S.J., 1966.



*Lepidopsetta bilineata*

## Pleuronectidae

Miscellaneous Logs

- 3-AI (Useless Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 3-JF (Discovery Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 6-E (Penn Cove):  
U.W. Ocean., Hoh, S.J., 1966.
- 3-B (Padilla Bay near William Point;  
Samish Bay; Bellingham Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 3-SJ (West Sound):  
U.W. Ocean., Hoh, S.J., 1966.
- 3-SJ (East Sound):  
U.W. Ocean., Hoh, S.J., 1966.
- 5-E (Utsalady):  
U.W. Ocean., Hoh, S.J., 1966.
- 3-S (Port Susan):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Gardner Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Holmes Harbor):  
U.W. Ocean., Hoh, S.J., 1966.
- 8-B (Bellingham Bay): WSDf,  
groundfish trawl, through 1970.
- 4-JF (Discovery Bay): WSDf,  
Commercial Catch Comp., 1966-71.
- 1-E (Holmes Harbor): WSDf,  
Commercial Catch Comp., 1966-71.
- 1-E (Saratoga Pass.): WSDf,  
Commercial Catch Comp., 1966-68.
- 1-B (west of Lummi Island): WSDf,  
Commercial Catch Comp., 1969-70.
- 2-SS (Case Inlet): WSDf, Commercial  
Catch Comp., 1969-70.
- 16-AI (east of Port Townsend):  
NMFS, Cobb 35.
- 5-JF (west of Protection Island):  
NMFS, Cobb 35.
- 2-JF (Discovery Bay; Protection  
Island to Discovery Bay):  
NMFS, Cobb 35.
- 2-PO (narrows south of Fletcher  
Bay): NMFS, Cobb 68.
- 1-JF (off Dungeness Spit):  
NMFS, Cobb 69-7.
- 1-E (Elger Bay):  
NMFS, Cobb, 1/20/61.
- 20-SJ (East Sound, south of Rosario  
Point): NIH, 1964-66.
- 3-SJ (East Sound): NIH, 1968-71.
- 4-B (Bellingham Bay, off Nooksack  
River to Marine Drive):  
NIH, 1968-71.
- 103-S (Golden Gardens to Carkeek  
Park): NIH, 1968-71.
- 2-S (Duwamish Head to Alki Point):  
NIH, 1968-71.
- 1-PO (off Fletcher Bay):  
NIH, 1968-71.
- 2-PO (Clam Bay): NIH, 1968-71.
- 2-HC (Big Beef Harbor): NIH, 69042.
- 3-SS (Case Inlet, Stretch Island to  
Herron Island; Henderson Inlet;  
Budd Inlet): NIH, 1968-71.
- 27-CS (Port Madison):  
Van Cleve, trap, 1961-65.
- 7-PO (off Fletcher Bay):  
Van Cleve, trap, 1961-65.
- 1-S (off Edmonds):  
Van Cleve, trap, 1961-65.
- 48-SS (entrance of Eld Inlet):  
Van Cleve, trap, 1961-65.
- 2-E (Holmes Harbor):  
Van Cleve, trap, 1961-65.
- 1-E (Penn Cove):  
Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Dungeness  
embayment):  
Peninsula College, 1971.
- 1-JF (beach seine: Port Angeles  
embayment):  
Peninsula College, 1971.
- 1-JF (Sequim Bay):  
Battelle, 1967-69.
- 2-JF (lower Sequim Bay):  
Sea Grant, 71110.
- 2-JF (upper Discovery Bay):  
Sea Grant, 71111.
- 2-JF (lower Discovery Bay):  
Sea Grant, 71111.
- 9-GS (tow area 1, mouth of Boundary  
Bay):  
WSDf, Gulf Georgia, 1969-71.
- 14-GS (tow area 2, off Birch Bay):  
WSDf, Gulf Georgia, 1969-71.
- 8-GS (tow area 3, off Cherry Point):  
WSDf, Gulf Georgia, 1969-71.
- 11-GS (tow area 4, off north of  
Neptune Beach):  
WSDf, Gulf Georgia, 1969-71.
- 8-GS (tow area 5, north of Alden  
Bank):  
WSDf, Gulf Georgia, 1969-71.
- 1-CS (off Skiff Point):  
U.W. Ocean., Commando, 1968.
- 5-GS (tow area 6, southeast of Point  
Roberts):  
WSDf, Gulf Georgia, 1969-71.
- 2-GS (tow area 7, mid-channel):  
WSDf, Gulf Georgia, 1969-71.
- 1-GS (tow area 8, mid-channel):  
WSDf, Gulf Georgia, 1969-71.
- 1-GS (tow area 9, mid-channel):  
WSDf, Gulf Georgia, 1969-71.
- 4-CS (Pully Point): Bruce Miller,  
Diving Log, 9/13/64; 9/17/64;  
3/17/67; 5/10/68.
- 1-S (Edmonds ferry): Bruce Miller,  
Diving Log, 10/11/64.
- 1-SJ (southeast shore of East  
Sound): Bruce Miller, Diving  
Log, 8/18/66.
- 2-S (Alki Point): Bruce Miller,  
Diving Log, 6/16/67; 5/17/68.
- 1-CS (Port Blakely): Bruce Miller,  
Diving Log, 5/24/68.
- 1-CS (Vashon Island, Tramp Harbor,  
Standard Oil docks): Bruce  
Miller, Diving Log, 5/31/68.
- 1-PO (Fletcher Bay): Bruce Miller,  
Diving Log, 6/25/69-2.



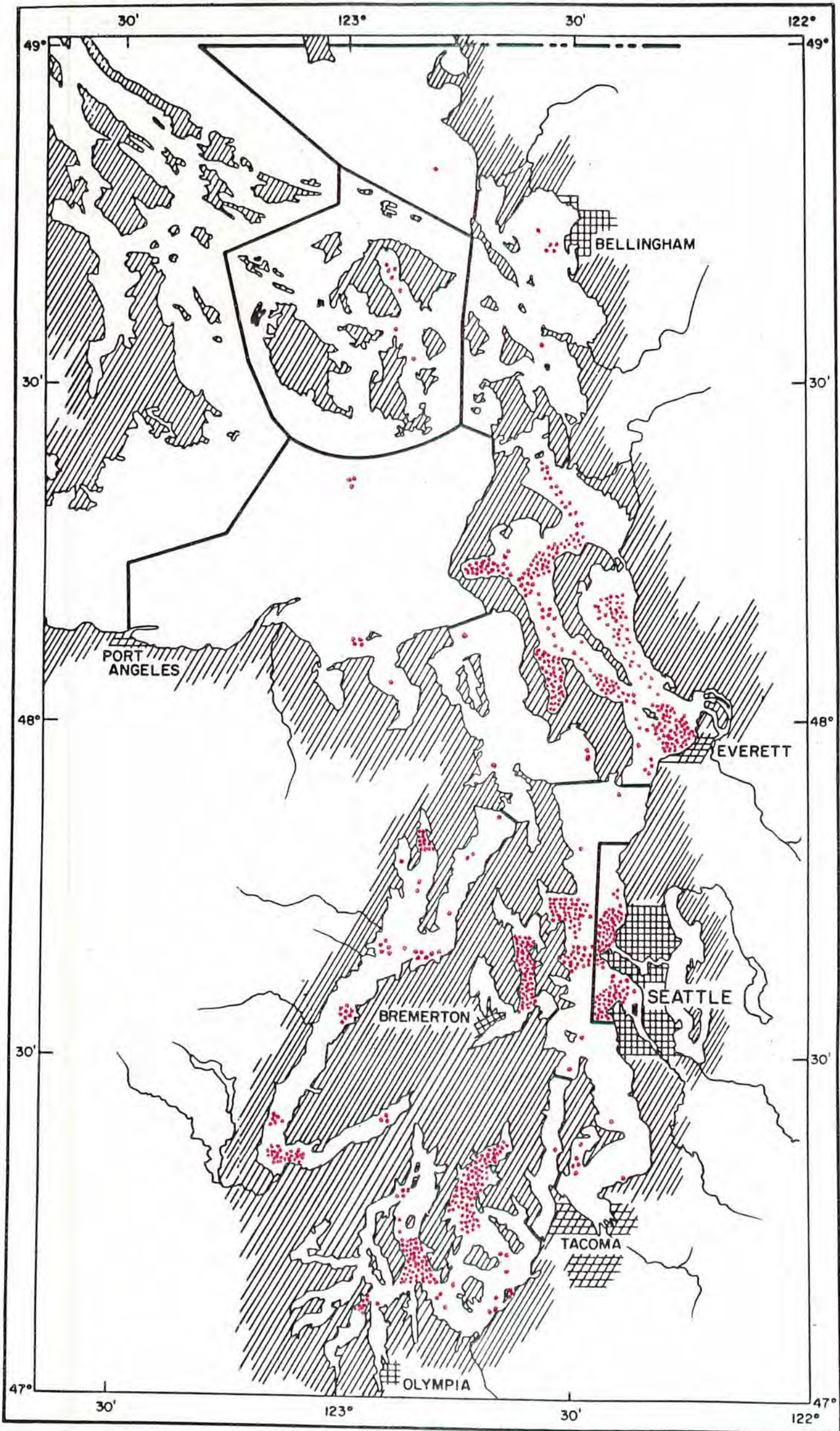
*Lepidopsetta bilineata*

## Pleuronectidae

Miscellaneous Logs

- 1-CS (Picnic Point Beach): Bruce Miller, Diving Log, 10/2/70.  
 1-CS (Dumas Bay): Bruce Miller, Diving Log, 7/1/71.  
 4-JF (west of Protection Island): NMFS, Cobb, 2/28/73.  
 1-CS (south of Possession Point): NMFS, Cobb, 2/28/73.  
 1-S (south of Carkeek Park): Sea Grant, 3/17/71.  
 18-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).  
 7-CP (off Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).  
 5-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).  
 1-GS (beach seine: south of Cherry Point): Sea Grant, 72008.  
 1-B (north part of Bellingham Bay): Sea Grant, 72004.  
 3-AI (beach seine: Mutiny Bay, launch ramp): Sea Grant, 1972.  
 2-CS (beach seine: Seahurst County Park): Sea Grant, 72016.  
 1-JF (beach seine: West Beach): Sea Grant, 72017.  
 2-GS (south of Cherry Point): Sea Grant, 72019.  
 11-SS (off Nisqually River-McAllister Creek flats): Sea Grant, 1972.  
 14-S (beach seine: Golden Gardens): Sea Grant, 1973.  
 2-S (Duwamish River estuary, north of 1st Ave. S. bridge to 16th Ave. S. bridge): Sea Grant, 72024.  
 4-CP (off Gig Harbor Spit): Sea Grant, 72025.  
 3-HC (off Big Beef Harbor): Sea Grant, 72026.  
 2-HC (off Big Beef Harbor): Sea Grant, 72031.  
 2-B (Bellingham Bay, mid-channel, off Nooksack Flats): Sea Grant, 72035.  
 1-E (east and northeast of Gedney Island): NMFS, Streeter, 2/21/73.  
 38-S (beach seine: north side of West Point): Sea Grant, 1973.  
 5-S (beach seine: north of Meadowdale at Lunds Gulch): Sea Grant, 73002.  
 27-S (off northwest side of West Point): Sea Grant, 1973.  
 25-S (off southwest side of West Point): Sea Grant, 1973.  
 25-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.  
 25-S (southwest of Alki Point): Sea Grant, 1973.  
 5-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.  
 3-PO (off south of Fletcher Bay): Sea Grant, 73008.  
 3-S (Duwamish estuary, 1st Ave. S. bridge to 16th Ave. S. bridge): Sea Grant, 1973.  
 6-S (Duwamish estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.  
 11-SS (off Nisqually River-McAllister Creek flats): Sea Grant, 1973.  
 3-SS (McAllister Creek estuary): Sea Grant, 1973.  
 5-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.  
 1-B (Bellingham Bay, off Nooksack River flats): Sea Grant, 73032.  
 21-SS (McLane Cove toward Stretch Island): Sea Grant, 1973-74.  
 17-SS (west side of Dougall Point): Sea Grant, 1973-74.  
 11-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973-74.  
 13-HC (off Union): Sea Grant, 1973-74.  
 2-HC (mid-channel, off Union): Sea Grant, 1973.  
 14-HC (off Skokomish Flats): Sea Grant, 1973-74.  
 1-HC (off Carlson Point to King Spit): Sea Grant, 73039.  
 5-AI (Mutiny Bay): Sea Grant, 73049.  
 6-HC (Bangor Annex): Kramer, Chin and Mayo, NCEL Survey, 1973.  
 1-CS (Port Madison): Doug Olander, Sport Catch Log, 1972-73.  
 7-S (wreck, north of Meadow Point): Doug Olander, Sport Catch Log, 1972-73.  
 5-SS (Tatsolo Point): Sea Grant, 73059.  
 6-SS (Cormorant Pass.): Sea Grant, 73059 and 73060.  
 1-CP (next to and around Gig Harbor Spit): Sea Grant, 72025.







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## Pleuronectidae

Published Records

- 1-S (Seattle):  
Jordan and Gilbert, 1882.  
1-S (Seattle):  
Evermann and Goldsborough, 1907.  
1-AI (north of Tala Point):  
Evermann and Goldsborough, 1907.  
1-SJ: Starks, 1911.  
4-E (Coupeville): Smith, 1936.  
3-SS (Carr Inlet; McNeil Island;  
Dofflemeyer Point): Smith, 1937.  
6-E (Camano Head; Mukilteo; Columbia  
Beach; Langley; Dines Point;  
Camano): Smith, 1937.  
3-E (Gedney Island): Smith, 1937.  
5-HC (Hoodsport): Smith, 1937.  
2-HC (Skokomish Flats; Seabeck):  
Smith, 1937.  
2-HC (Holly): Smith, 1937.  
1-HC (Quilcene Bay):  
Smith, 1937 (also museum 4278).  
21-S (Duwamish Head): Salo, 1969.  
13-E (Port Gardner Bay):  
Salo, 1969.  
20-E (Skagit Bay): Salo, 1969.  
1-S (Seattle Harbor):  
Townsend, 1935.  
2-E (Saratoga Pass.; Holmes Harbor):  
Townsend, 1935.  
1-CS (Dumas Bay): Miller, 1971b  
(also NIH, 71105 and 71106).  
3-HC (Anderson Cove): Chew, 1970.

University of Washington  
Museum Collection

- 1-E (Utsalady): 865.  
1-CS (Port Madison): 1432.  
1-E (Saratoga Pass., Camano Head):  
2543.  
1-E (east of Gedney Island): 2569.  
1-E (off Snohomish River): 2639.  
1-E (Saratoga Pass., off Sandy  
Point): 2659-1/2.  
2-S (Seattle Harbor): 3687; 3791.  
1-E (off Everett): 4544.  
1-S (south of Richmond Beach):  
5345.  
1-SS (off Minter Creek):  
5682 (also boat 7/19/49-1).  
1-SS (west end of Nisqually Reach):  
5820 (also boat 5009I).  
1-CP (off Camp Sealth):  
5822 (also boat 5009F).  
1-E (off Mission Bar):  
5870 (also boat 5023E).  
1-E (Port Susan, off Warm Beach):  
5922 (also boat 5023B).  
1-HC (off Thorndike Bay): 7669.  
1-SS (Carr Inlet): 10359.  
2-S (off Golden Gardens):  
14927 (also boat 492F); 8318  
(also boat 5034E).  
1-E (Port Susan, off Spee-Bi-Dah):  
14978 (also boat 5023D).  
1-PO (off Fletcher Bay): 17117.  
1-SJ (East Sound): 17142.

- 1-E (Saratoga Pass.): 18059.  
1-JF (west of McArthur Bank):  
18389 (also Friday Harbor log,  
7/18/63).

Friday Harbor Laboratory Log

- 1-SJ (Upright Head): 6/28/51-1.  
1-SJ (Lopez Sound, Spencer Spit):  
6/28/51-3.  
1-B (Bellingham Bay): 7/26/51-2.  
2-JF (west of McArthur Bank):  
8/8/60; 7/8/69-1.  
1-SJ (East Sound): 7/26/60.

University of Washington Boat Log

- 1-JF (Discovery Bay): 5318A.  
1-GS (north of Alden Bank): 491G.  
3-SJ (training cruise area: East  
Sound, north of Rosario Point):  
6620H; 6722H; 7307H.  
3-B (training cruise area: southwest  
of Post Point):  
6815G; 6603G; 6630G.  
1-B (Bellingham Bay): 6822G.  
2-E (off Tulalip Bay): 7/1/49-1,2.  
20-E (Holmes Harbor, off Rocky Point  
to Dines Point): 491Q; 5220D,0;  
5234A,C; 5237E; 5307C,D,K,L,Q,R,  
S; 5312H,I; 5321R,S; 5327C,D,E.  
2-E (Penn Cove mouth, off Long Point  
to off Snatelum Point):  
5213A; 5220E.  
2-E (off Oak Harbor to Blower  
Bluff (5220F,N.  
2-E (north end of Saratoga Pass.):  
5220M; 6821.5B.  
1-E (near Penn Cove): 6822E.  
11-E (Holmes Harbor, Dines Point to  
Classic): 5234D; 5312F,G; 5316A,  
B,C; 5405G,H; 5501D; 5712E,F.  
27-E (Holmes Harbor, south of  
Classic):  
5234E,F; 5237B; 5305A,B,G; 5307E,  
F,O,P,T,U; 5312B,C,D,E,N; 5316D,  
E,M,N; 5321T; 5501A,C,E,F; 5810E.  
44-E (Holmes Harbor):  
5305E,F,H,I,J,K,L,M; 5325A,B,C;  
5327A,B; 5405A,B,C,D,E,F; 5418A,  
B,C,D; 5420A,B,H; 5522D; 5604D,F,  
G; 56130,P,Q,R,S,T; 5614B,D,E,F,  
G; 5703H; 5810A; 6821.5E.  
4-E (Penn Cove, off Coupeville to  
Lovejoy Point):  
5316J; 5321A,H; 5418E.  
5-E (Saratoga Pass., off Snatelum  
Point to Onamac Point):  
5316K,L; 5330F; 5418H; 5712C.  
2-E (Penn Cove, off Lovejoy Point to  
Long Point): 5321B,G.  
1-E (off Utsalady Point): 5321C.  
1-E: 5712B.  
2-E (Saratoga Pass., off Snatelum  
Point): 5321I,J.

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## Pleuronectidae

University of Washington Boat Log

- 4-E (Saratoga Pass., Onamac Point to Indian Beach):  
5321K; 5405L; 5418K,L.  
17-E (Penn Cove): 5327F,G; 5405K;  
5418F,G; 5420E,F,G; 5522F,G;  
5613U,V,W,X; 5614I,J; 5712A.  
1-E (Elger Bay): 5418I.  
4-E (Saratoga Pass.):  
6801.5; 6810B,C; 6821.5D.  
2-E (Saratoga Pass., off North Bluff to Greenbank): 5418M,N.  
3-E (off Mukilteo): 5604C,B; 5613N.  
18-E (training cruise area: east of Gedney Island): 6512C; 6603C;  
6614C; 6620C; 6630C; 6717C;  
6722C; 6815C; 6819C; 6826C;  
6908C; 6914C; 7010C; 7017C;  
7118C; 7213C; 7307C; 7313C.  
1-E (Everett): 6620D.  
2-E (Port Susan): 6810A; 6821.5C.  
17-E (training cruise Area; Saratoga Pass., north of Langley):  
6507D8; 6512D; 6603D; 6614D;  
6630D; 6717D; 6722D; 6815D;  
6819D; 6826D; 6914D; 7010D;  
7017D; 7110D; 7118D; 7213D;  
7307D.  
14-E (training cruise area: off Penn Cove): 6614E; 6620E; 6717E;  
6815E; 6819E; 6826E; 6908E;  
7010E; 7017E; 7110E; 7118E;  
7213E; 7307E; 7313E.  
3-E (Port Susan, off Kayak Point):  
6702A,B,C.  
2-E (south end of Saratoga Pass.):  
6722X,Y.  
1-E (Saratoga Pass., off Camano Head): 6822D.  
1-HC (off Shine to off Sisters buoy): 499C.  
1-HC (off south of Brinnon): 499D.  
4-HC (off Pleasant Harbor):  
499E; 6804E; 6902L; 7003J.  
1-HC (opposite Hoodsport): 499F.  
1-HC (off Union): 499H.  
1-HC (off Thorndike Bay): 499J.  
2-HC (Dabob Bay): 5921; 7102L.  
1-HC (west of Seabeck Bay): 6902J.  
15-HC (Dabob Bay, Broad Spit to Long Spit):  
6601A; 6629D,E; 6702D,E,F; 6724A;  
6804G,H; 6902C,H; 7202E,F,G,H.  
3-HC (Anderson Cove): 7009A,B,D.  
10-CS (Port Madison):  
492A; 5006D; 5048B; 5122A,B;  
5132D; 5812A; 5932A; 492B; 7011C.  
6-CS (off Port Madison):  
495A,B; 497B; 5006E; 5043B,C.  
1-CS (northeast of Apple Cove Point): 5009A.  
3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.  
1-CS (mid Quartermaster Harbor):  
5042D.  
1-CS (Tramp Harbor): 5104A.  
1-CS (east of Blake Island): 5115I.  
2-CS (Port Madison, off Agate Pass): 5232A; 5317C.  
5-CS (east of Point Monroe):  
5805B,C; 5813A,B,C.  
1-CS (off Fay Bainbridge State Park): 5806C.  
1-CS (mid-channel, Meadow Point to Port Madison): 5911B.  
3-CS (off Murden Cove):  
6610B; 6710C2,D2.  
19-CS (training cruise area: mid-channel, Skiff Point to West Point): 6507B8; 6603B; 6605B;  
6606B; 6607B; 6611B; 6614B;  
6620B; 6623B; 6626B; 6722B;  
6815B; 6819B; 5914B; 7017B,Z;  
7118B; 7213B; 7313B.  
8-CS (Murden Cove):  
6713H; 6806B; 6818A,B; 6819X;  
6821.5G; 6823-3; 7008B; 7108.  
1-CS (off West Point): 7017Y.  
2-CS (Vashon Island, off Sylvan Beach): 6703A,B.  
1-CS (Vashon Island, east of Neill Point): 6703C.  
7-PO (off south of Fletcher Bay):  
5229A,C; 5413C,D,E; 5801A;  
6016B4.  
35-PO (off Fletcher Bay to south of Battle Point and Brownsville):  
5228F; 5230F; 5232C; 5235P;  
5236E; 5310.5G; 5317A,B; 5323A;  
5523A; 5602A; 5615A; 5707B,G,H;  
5709C; 5809A; 5919A; 5922A;  
5923B; 5932B; 6001AN; 6008B;  
6016B1,B2,B3,B5; 6205D1,D2,D3;  
6307; 6320A; 6427B,C; 6707.  
8-PO (most off Fletcher Bay):  
6002A; 6203C; 6204A; 6214; 6713F;  
6821.5F; 7313X; 7011A.  
1-PO ("B-2" to "B-1"): 6205C2.  
1-PO (Brownsville to White Point):  
6806A.  
56-S (off Golden Gardens to Meadow Point): 491A; 492D; 493B; 494D,  
E,F; 496B; 497E; 498B; 4910A;  
5003A; 5008C; 5009L; 5017C,E;  
5028A,B,C; 5029A,B,E; 5033A;  
5034C,D,G; 5039A,D; 5041A; 5110C,  
D; 5112A,B,C; 5119C,G; 5126A;  
5127A; 5129A,C,D; 5131C; 5314A,C;  
5329C; 5408B; 5416B; 5516B;  
5707J,K; 5713G; 5920E; 6018A;  
6114A; 6311A,E,F.  
24-S (off Meadow Point to Carkeek Park): 5020A; 5039B,C; 5041B;  
5044A; 5110A; 5119A,B; 5203A,B;  
5211B,C; 5212C,E,F; 5216A; 5606A;  
5915C,D; 6414C,D; 6510B; 7120A,B.  
5-S (Alki Point to Duwamish Head):  
5027A,B; 5603A; 5702AM; 6001AO.  
1-S (off Four-Mile Rock to Pier 91):  
5027C.  
1-S (south of West Point to off Four-Mile Rock): 5027D.



*Lyopsetta exilis*

## Pleuronectidae

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- 4-S (beach seine: Golden Gardens to Meadow Point):  
5047C; 6417; 6518A,B.  
1-S (north of Meadow Point): 6406A.  
1-S (north of Carkeek Park): 6414E.  
2-S (Carkeek Park to Richmond Beach): 6719A,D.  
2-S (off West Point sewer outfall):  
6718-2,3.  
1-SS (Drayton Pass.): 7/19/49-2.  
2-SS (northwest end of Nisqually Reach): 7/20/49-5; 5126J.  
28-SS (Carr Inlet, off Glen Cove to off Cutts and Raft Islands):  
5009J; 5037C; 5045K; 5101B,E,F;  
5102A,B; 5104J,K,L,M,P,Q,Y,Z,AA;  
5115F; 5126C,M; 5204M; 5227B;  
5613A,C,D,E,F,G.  
3-SS (Carr Inlet, southwest of Green Point): 5037E; 5104S,T.  
20-SS (Carr Inlet, off Minter Creek to Elgin):  
5037H; 5045G,J; 5046C; 5101C;  
5102C; 5104D,V,X; 5126D,F; 5135A,  
B,C,D; 5213F; 5227D,F,G,I.  
6-SS (Carr Inlet, off Wauna):  
5037I; 5104E,F,W; 5126L; 5227A.  
2-SS (mouth of Carr Inlet, Gibson Point to Gertrude Island):  
5046D; 5104C.  
1-SS (Carr Inlet, off north of Home to off Horsehead Bay spit):  
5104R.  
1-SS (Case Inlet, off west of Herron Island): 5126H.  
1-SS (west of Ketron Island):  
5126K.  
4-SS (Carr Inlet):  
5522A,C; 5605B; 5703D.  
1-SS (Case Inlet): 5613J.  
2-SS (Carr Inlet, Glen Cove to Green Point): 6724B-1,3.  
1-SS (Case Inlet, east of Hartstene Island): 6724C.

Miscellaneous Logs

- 50+-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.  
50+-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.  
70-PO (south of Fletcher Bay):  
U.W. Ocean., P.O., 1964-65.  
22-S (Golden Gardens to Meadow Point):  
U.W. Ocean., Hoh, 1963-68.  
43-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.  
3-HC (Lynch Cove):  
U.W. Ocean., Hoh, 1963-67.  
3-HC (Seabeck):  
U.W. Ocean., Hoh, 1963-67.  
50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.

- 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.  
50+-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.  
17-E (Port Gardner Bay):  
U.W. Ocean., Hoh, 1963-67.  
30-E (Port Susan):  
U.W. Ocean., Hoh, 1963-67.  
6-E (Penn Cove):  
U.W. Ocean., Hoh, 1963-67.  
13-E (Saratoga Pass., off Demock Point):  
U.W. Ocean., Hoh, 1963-67.  
4-E (off Demock Point to Utsalady Point):  
U.W. Ocean., Hoh, 1963-67.  
16-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.  
2-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.  
12-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.  
5-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.  
1-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.  
2-AI (Useless Bay):  
U.W. Ocean., Hoh, S.J., 1966.  
1-B (Padilla Bay, near William Point):  
U.W. Ocean., Hoh, S.J., 1966.  
4-E (Penn Cove):  
U.W. Ocean., Hoh, S.J., 1966.  
2-E (Utsalady):  
U.W. Ocean., Hoh, S.J., 1966.  
3-E (Port Susan):  
U.W. Ocean., Hoh, S.J., 1966.  
2-E (Port Gardner Bay):  
U.W. Ocean., Hoh, S.J., 1966.  
4-E (Holmes Harbor):  
U.W. Ocean., Hoh, S.J., 1966.  
1-E (Holmes Harbor): WSDF, groundfish trawl, through 1970.  
1-E (Holmes Harbor): WSDF, Commercial Catch Comp., 1969-70.  
1-AI (east of Port Townsend):  
NMFS, Cobb 35.  
2-E (Saratoga Pass.; Holmes Harbor):  
NMFS, Cobb 68.  
3-PO (narrows south of Fletcher Bay): NMFS, Cobb 68.  
3-E (Everett Harbor):  
NMFS, Cobb, 1/20/61.  
1-E (Saratoga Pass.):  
NMFS, Cobb, 1/20/61.  
2-S (Golden Gardens to Carkeek Park): NIH, 1968-71.  
71-CS (Port Madison):  
Van Cleve, trap, 1961-65.  
9-SS (entrance to Eld Inlet):  
Van Cleve, trap, 1961-65.  
2-E (Holmes Harbor; Penn Cove):  
Van Cleve, trap, 1961-65.  
3-E (Holmes Harbor):  
Van Cleve, trap, 1961-65.



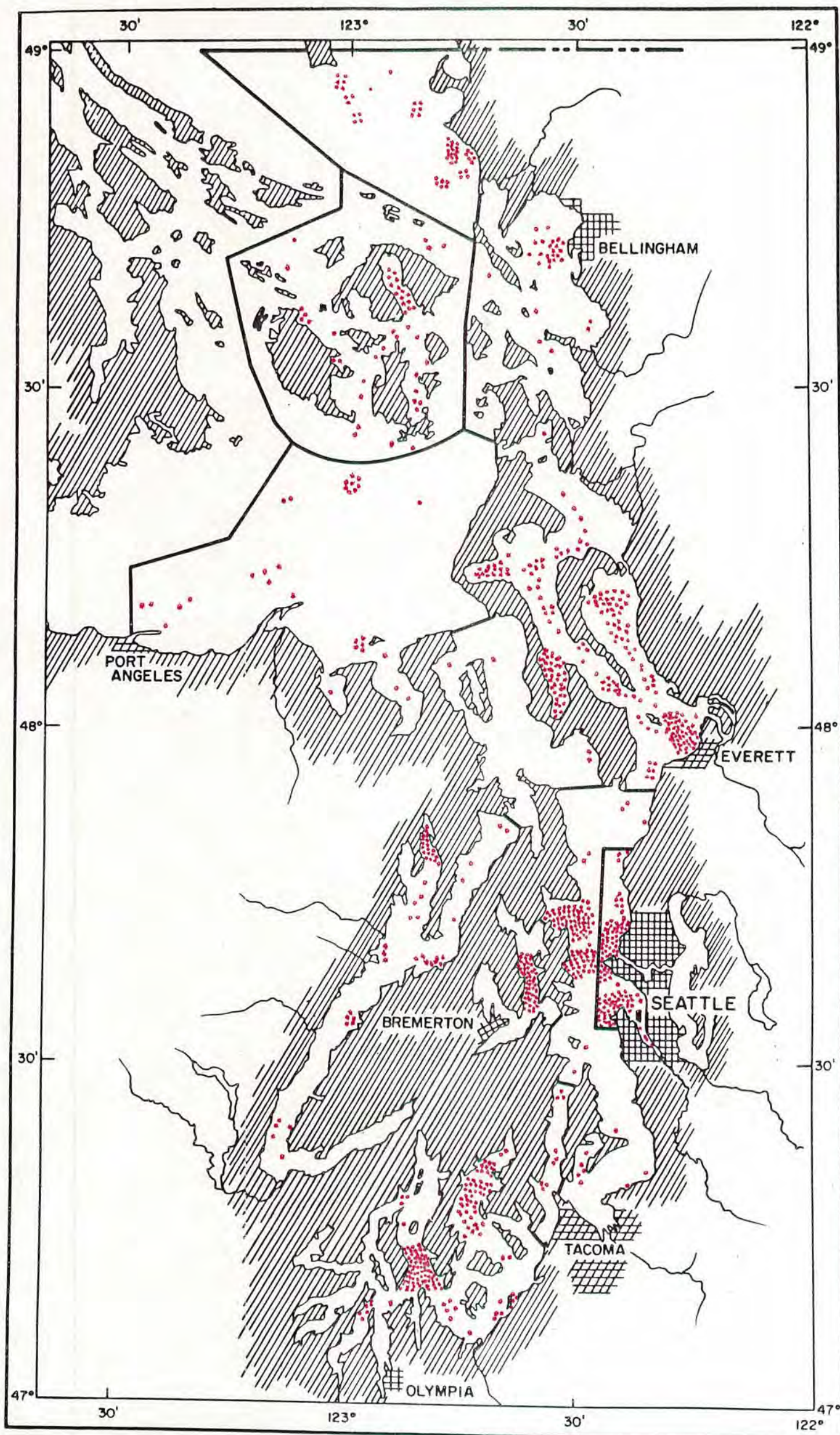
*Lyopsetta exilis*

## Pleuronectidae

Miscellaneous Logs

- 8-E (Saratoga Pass., west side just south of Penn Cove):  
Van Cleve, trap, 1961-65.
- 4-JF (west of Protection Island):  
NMFS, Cobb, 2/28/73.
- 1-CS (south of Possession Point):  
NMFS, Cobb, 2/28/73.
- 2-HC (off Big Beef Harbor):  
Sea Grant, 1972.
- 1-E (east and northeast of Gedney Island):  
NMFS, Streeter, 2/21/73.
- 4-S (beach seine: north side of West Point): Sea Grant, 1973.
- 7-S (off northwest side of West Point): Sea Grant, 1973.
- 3-S (off southwest side of West Point): Sea Grant, 1973.
- 1-S (deep otter trawl: off West Point): Sea Grant, 1973.
- 4-S (southwest of Alki Point):  
Sea Grant, 1973.
- 14-S (deep otter trawl: off southwest of Alki Point):  
Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay):  
Sea Grant, 73008.
- 1-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 4-SS (mid-channel, McLane Cove to Stretch Island):  
Sea Grant, 1973-74.
- 6-HC (off Union): Sea Grant, 1973.
- 9-HC (mid-channel, off Union):  
Sea Grant, 1973.
- 2-HC (off Skokomish Flats):  
Sea Grant, 1973.
- 12-HC (mid-channel, off Skokomish Delta): Sea Grant, 1973-74.
- 1-HC (off Carlson Point to King Spit): Sea Grant, 73039.
- 3-SS (Cormorant Pass.):  
Sea Grant, 73059 and 73060.
- 2-SS (Tatsolo Point):  
Sea Grant, 73059.







*Microstomus pacificus*

## Pleuronectidae

Published Records

- 1-JF (Dungeness): Tanner, 1894.  
 1-SJ (San Juan Channel):  
     Schultz, 1930.  
 1-SJ: Starks, 1911.  
 1-SJ: Norman, 1934.  
 1-SJ: Shelford et al., 1935.  
 1-S (Seattle):  
     Jordan and Gilbert, 1882.  
 1-GS: Smith, 1936.  
 2-E (Coupeville): Smith, 1936.  
 1-JF (Sequim Bay): Smith, 1936.  
 1-JF (Discovery Bay):  
     Smith, 1936 (also museum 3873).  
 2-B (Bellingham Bay): Smith, 1936.  
 1-E (Camano Head): Smith, 1937.  
 1-E (Mukilteo):  
     Smith, 1937 (also museum 4538).  
 4-E (Gedney Island): Smith, 1937.  
 2-HC (Hoodsport): Smith, 1937.  
 2-JF (mid-channel, north and  
     northwest of Dungeness Spit):  
     Greenwood, 1957 (also NMFS Cobb  
     25):  
 2-E (Skagit and Similk Bays):  
     Stober and Salo, 1970b.  
 36-S (Duwamish Head): Salo, 1969.  
 15-E (Port Gardner Bay):  
     Salo, 1969.  
 3-E (Skagit Bay): Salo, 1969.  
 1-S (Seattle Harbor):  
     Townsend, 1935.  
 2-E (Saratoga Pass; Holmes Harbor):  
     Townsend, 1935.  
 1-CS (Dumas Bay): Miller, 1971b  
     (also NIH 71105 and 71106).  
 2-HC (Anderson Cove): Chew, 1970.

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Museum Collection

- 1-E (Utsalady): 694.  
 1-SJ (San Juan Channel): 1329.  
 2-SJ (Friday Harbor): 2102; 5121.  
 1-SJ (Rocky Bay): 2151.  
 1-SJ (Rocky Point; San Juan Island):  
     2215.  
 1-E (Saratoga Pass., Camano Head):  
     2544.  
 1-E (east of Gedney Island): 2570.  
 1-E (off Snohomish River): 2624.  
 1-E (Saratoga Pass., Sandy Point):  
     2658.  
 1-S (Elliott Bay): 2909.  
 1-E (Holmes Harbor): 3060.  
 2-E (off Tulalip): 3669; 10365.  
 1-JF (Ediz Hook): 4867.  
 1-E (Saratoga Pass.): 4990.  
 1-E (Everett): 5120.  
 1-SJ (west of Ram Island):  
     5699 (also boat 491P).  
 1-S (off Golden Gardens):  
     5849 (also boat 493B).  
 1-HC (off Pleasant Harbor):  
     14841 (also boat 499E).

- 1-SJ (East Sound): 17078 (also  
     Friday Harbor log, 6/20/63).  
 2-SJ (East Sound, south of Rosario  
     Point): 18666 (also NIH, 1964-  
     66); 19565 (also NIH, 1964-66).  
 2-JF (west of McArthur Bank):  
     17690 (also Friday Harbor log,  
     7/18/63-1); 17870 (also Friday  
     Harbor log, 7/19/63-1).

Friday Harbor Laboratory Log

- 1-SJ (Upright Head): 6/28/51-1.  
 1-SJ (off Rocky Bay): 6/30/51-1.  
 6-SJ (west of McArthur Bank):  
     7/12/51-1; 7/7/52-1; 7/9/52-1  
     (also boat log 5220G); 8/8/60;  
     8/3/55-1 (also boat 5520A);  
     7/8/69-1.  
 1-B (Bellingham Bay): 7/26/51-2.  
 1-SJ (Lopez Sound and East Sound):  
     7/1/54.  
 1-SJ (Salmon Banks): 7/7/52-3.  
 1-SJ (east of Willow Island):  
     7/28/52-1.  
 1-SJ (southeast of Cattle Point):  
     8/3/55-2 (also boat 5520B).  
 1-JF (off Hein Bank): 8/3/55-3.  
 1-SJ (off Iceberg Point):  
     8/4/55-1 (also boat 5520C).  
 1-SJ (lower East Sound): 8/22/55-5.  
 1-SJ (Mineral Point): 8/25/55-3.  
 1-SJ (off northwest of Barnes  
     Island):  
     6/20/50-3 (also boat 5033J).  
 1-SJ (Upright Head to Olga):  
     8/1/60-2.  
 1-JF (Smith Island): 8/6/60-2.  
 1-JF or SJ (Cattle Point to Smith  
     Island): 6/28/61-1.  
 2-SJ (Upright Channel):  
     7/14/61; 7/2/69-2.  
 2-SJ (Lopez Sound):  
     7/28/61; 7/8/69-2.  
 1-SJ (south of Lopez Island):  
     6/27/63.  
 2-SJ (mid East Sound):  
     2/21/64; 6/20/69-1.  
 1-SJ (west of Neck Point): 7/31/69.  
 1-SJ (north of Hunter Bay):  
     6/19/50-5 (also boat 5033G).  
 1-SJ (lower East Sound): 6/26/73-1.  
 1-SJ (Upright Head to Foster Point):  
     6/26/73-2.

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- 1-JF (Discovery Bay): 5318A.  
 1-GS (north of Alden Bank): 491G.  
 1-SJ (Puffin Island to Orcas  
     Island): 491E.  
 1-SJ (off Raccoon Point toward  
     Barnes Island): 491F.  
 1-SJ (Skipjack Island to Turn  
     Island): 491C.



*Microstomus pacificus*

## Pleuronectidae

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- 1-SJ (off Johns Island): 491B.  
 1-B (Bellingham Bay): 6822G.  
 1-B (Hale Pass.): 491I.  
 1-B (east of Point Frances): 491J.  
 1-SJ (training cruise area: East Sound, north of Rosario Point): 6507H.  
 1-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I.  
 1-B (east of Vendovi Island): 491K.  
 12-B (training cruise area: southwest of Post Point): 6620G; 6815G; 6908G; 6603G; 6614G; 6630G; 6819G; 6826G; 6914G; 7017G.1; 7118G; 7313G.  
 2-E (off Tulalip Bay): 7/1/49-1,2.  
 11-E (Holmes Harbor, off Rocky Point to Dines Point): 491Q; 5220D,O; 5234A,C; 5307K,R,S; 5312H,I; 5327C.  
 1-E (Port Susan, off Spee-Bi-Dah): 5023D.  
 2-E (off Mission Beach): 5023E; 7204C.  
 1-E (Penn Cove mouth, off Long Point to Snatelum Point): 5213A.  
 1-E (north end of Saratoga Pass.): 5220M.  
 1-E (off Oak Harbor to Blower Bluff): 5220N.  
 17-E (Holmes Harbor, south of Classic): 5237A,B; 5307E,F,P; 5312B,C,D,E,N; 5316D,E,M,N; 5321V; 5501E,F.  
 25-E (Holmes Harbor): 5305J,K; 5325A,C; 5405C,E,F; 5418A,B,C; 5420A,H; 5522D; 5604F,G; 56130,Q,R,S; 5614D,E,F; 5703E,G; 5810A.  
 3-E (Penn Cove, off Coupeville to off Lovejoy Point): 5316J; 5321A; 5418E.  
 8-E (Holmes Harbor, Dines Point to Classic): 5312F,G; 5316A,C; 5405G; 5501D; 5712E,F.  
 3-E (Saratoga Pass., off Snatelum Point to off Onamac Point): 5316L; 5330F; 5418H.  
 2-E (off Utsalady Point): 5321D,E.  
 2-E (Elger Bay): 5321M; 5418I.  
 1-E (Saratoga Pass., off Saratoga to Langley): 53200.  
 5-E (Saratoga Pass., off Onamac Point to Indain Beach): 5330D; 5405L,N; 5418K,L.  
 6-E (Penn Cove): 5420G; 5522F,G; 5613U,W; 5614J.  
 5-E (off Mukilteo): 5604A,B,C; 5613M,N.  
 18-E (training cruise area: east of Gedney Island): 6507C8; 6512C; 6517C; 6614C; 6620C; 6630C; 6722C; 6815C; 6819C; 6908C; 6914C; 7010C; 7017C; 7110C; 7118C; 7213C; 7307C; 7313C.  
 5-E (training cruise area: off Penn Cove): 6819E; 6826E; 6908E; 7213E; 7313E.  
 10-E (training cruise area: Saratoga Pass., north of Langley): 6507D8; 6512D; 6614D; 6722D; 6815D; 6826D; 6914D; 7110D; 7213D; 7307D.  
 1-E (Saratoga Pass.): 6821.5D.  
 1-E (Saratoga Pass., off Camano Head): 6822D.  
 2-E Port Susan, off Kayak Point): 6702A,B.  
 1-E (Everett): 6620D.  
 1-AI (training cruise area: east of north end of Marrowstone Island): 6603J.  
 1-HC (off Shine to off Sisters buoy): 499C.  
 1-HC (off south of Brinnon): 499D.  
 1-HC (opposite Hoodspport): 499F.  
 1-HC (off Thorndike Bay): 499J.  
 5-HC (Dabob Bay): 5903B; 5921; 7102C,G; 7205I.  
 1-HC (mid-channel, Hoodspport to Potlatch): 6804D.  
 1-HC (off Pleasant Harbor): 7003J.  
 23-HC (Dabob Bay, Broad Spit to Long Spit): 6503A,B,D,F; 6601C,D; 6629; 6702D,E,F; 6804A,B,G; 6807A,B; 6828A,B; 6902A,B,E,F; 7003D; 7303F.  
 3-HC (Anderson Cove): 7009B,D,A.  
 1-HC (opposite Vinland): 7112C.  
 1-HC (south of floating bridge): 7112D.  
 13-CS (Port Madison): 1/22/49-2,3; 492A,B; 5006D; 5043A; 5048B; 5122A,B; 5132D; 5924A; 5932A; 7011C.  
 7-CS (off Port Madison): 495A,B; 497A,B; 5006E; 5043B,C.  
 1-CS (northeast of Apple Cove Point): 5009A.  
 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.  
 1-CS (mid Quartermaster Harbor): 5042C.  
 1-CS (Tramp Harbor): 5104A.  
 1-CS (off Point Jefferson): 5112D.  
 1-CS (east of Blake Island): 5115I.  
 1-CS (off West Point): 5115J.  
 3-CS (Port Madison, off Agate Pass.): 5310.2F; 5317C; 6003B.  
 5-CS (mid-channel, Meadow Point to Port Madison): 5314B; 5516A; 5608A; 5709B; 5911B.  
 1-CS (west of Point Monroe): 5315D.  
 5-CS (east of Point Monroe): 5805B,C; 5813A,B,C.  
 1-CS (off Fay Bainbridge State Park): 5806C.  
 26-CS (training cruise area: mid-channel, Skiff Point to West Point): 6507B8; 6512B; 6603B;



*Microstomus pacificus*

## Pleuronectidae

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- 6605B; 6606B; 6607B; 6611B;  
 6614B; 6620B; 6623B; 6626B;  
 6627B; 6628B; 6722B; 6815B;  
 6819B; 6908B; 6914B; 7017B,Z;  
 7110B; 7118B; 7213B; 7307B;  
 7308B; 7313B.
- 1-CS (Vashon Island, off Sylvan Beach): 6703A.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 1-CS (trap area, Port Madison): 6213.
- 2-CS (off Murden Cove):  
 6610B; 6710C2.
- 17-CS (Murden Cove):  
 6610C; 6613C; 6713G,H; 6809A;  
 6818A,B; 6819X; 6821.5G,H; 6906E;  
 6912; 7008B; 7016C,H; 2-7108.
- 22-PO (off Fletcher Bay to south of Battle Point and Brownsville):  
 5228F; 5230F; 5232C; 5236E;  
 5301B; 5302BB; 5317A,B; 5323A;  
 5402X; 5421; 5707B,G,H; 5709C;  
 5809A; 5907A; 5931B; 6016B1,B2;  
 6320A; 6707.
- 4-PO (off south of Fletcher Bay):  
 5229D; 5413C; 5711C; 6016B4.
- 12-PO (most off Fletcher Bay):  
 5306B; 6916D,H; 7011A,B; 7020;  
 7104-1; 7105-2; 7107A,B; 7206;  
 7313X.
- 1-PO ("B-2" to "B-1"): 5236F.
- 23-S (off Meadow Point to Carkeek Park): 5020A; 5039B,C,E; 5041B;  
 5044A; 5110A; 5119A,B; 5203A;  
 5211C; 5212C,D,E,F; 5216A,B;  
 5606A; 5915C,D; 6414C,D; 6510B.
- 75-S (off Golden Gardens to Meadow Point): 4/16/49-2,4; 491A; 492D;  
 494C,D,E,F; 496B; 497E; 498B;  
 4910A; 5003A; 5008C; 5009L;  
 5014C; 5017B,C,E; 5028A,B,C;  
 5029A,B,E; 5033A; 5034D,E,G;  
 5039A,D; 5041A; 5110C,D; 5112A,B,  
 C; 5119C,G,H; 5126A; 5127A,B;  
 5129C,D; 5131C; 5203D; 5233D;  
 5314A,C; 5329C; 5408B; 5416B;  
 5512E,G; 5516C; 5702AN; 5707J,K;  
 5713G; 5920B,E,F; 6005B,C; 6018A;  
 6112B; 6114A,B; 493B; 494CD;  
 6311A,D,E,F.
- 18-S (beach seine: Golden Gardens to Meadow Point): 5001; 5007D;  
 5040A; 5047A,B,C; 5209C,D; 5214B;  
 5612A; 5925B; 6310; 6311B; 6518A,  
 B; 6708A; 6711A2; 6716A.
- 5-S (off Alki Point to Duwamish Head):  
 5027A,B; 5603A; 5616D; 5802JJ.
- 1-S (off Four-Mile Rock to Pier 91): 5027C.
- 1-S (off West Point to off Four-Mile Rock): 5027D.
- 2-S (off north of Carkeek Park):  
 6206C; 6414E.

- 1-S (beach seine: north side of West Point): 7310A4.
- 1-S (Meadow Point to Richmond Beach): 6429B.
- 4-S (off West Point sewer outfall):  
 6718-2,3,5,6.
- 3-S (Carkeek Park to Richmond Beach): 6719A,C,D.
- 1-S (one mile southwest of West Point): 6806C.
- 1-S (off Piper Creek): 6510D.
- 1-CP (off south of Sandford Point):  
 7/18/49-1.
- 2-CP (off Camp Sealath): 5104CC,DD.
- 1-CP (off Paradise Cove to Point Sandford): 5126N.
- 1-CP (Cove to Fragaria): 5135E.
- 1-CP (west side south of Command Point): 5133P.
- 1-CP (off Cove): 5133Q.
- 1-SS (off McLane Cove to Stretch Island): 7/20/49-3.
- 11-SS (Carr Inlet, off Minter Creek to Elgin):  
 7/19/49-1; 5037H; 5045G,J; 5104D,  
 V; 5126F; 5201G; 5227D,F,I.
- 5-SS (northwest end of Nisqually Reach): 7/20/49-5; 5009I; 5126J;  
 5201C; 5204F.
- 1-SS (north end of Pickering Pass., to off McLane Cove): 5009H.
- 2-SS (Carr Inlet, southwest of Green Point): 5037A; 5104T.
- 18-SS (Carr Inlet, off Glenn Cove to off Raft and Cutts Islands):  
 5045A; 5037C; 5045K; 5101E,F;  
 5102A,B; 5104O,P,Q,Z; 5115F;  
 5126C,M; 5201A; 5204E; 5213D;  
 5613A.
- 2-SS (mouth of Carr Inlet, Gibson Point to Gertrude Island):  
 5046D; 5104C.
- 2-SS (Carr Inlet, off Wauna):  
 5104G,W.
- 1-SS (Case Inlet, west of Herron Island): 5126H.
- 1-SS (west of Ketron Island):  
 5126K.
- 1-SS (Dana Pass., Brisco Point to Dofflemeyer Point): 5204H.
- 1-SS (Carr Inlet): 5605A.
- 1-E (Port Susan, north of Kayak Point to Tulalip): 7112.

Miscellaneous Logs

- 50+-S (Duwamish Head to Alki Point):  
 U.W. Ocean., 1964-67.
- 50+-E (Port Gardner Bay):  
 U.W. Ocean., P.G., 1962-67.
- 1-PO (south of Fletcher Bay):  
 U.W. Ocean., P.O., 1964-65.
- 50+-S (Golden Gardens to Meadow Point):  
 U.W. Ocean., Hoh, 1963-68.



*Microstomus pacificus*

## Pleuronectidae

Miscellaneous Logs

- 2-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 3-HC (Seabeck):  
U.W. Ocean., Hoh, 1963-67.
- 45+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.
- 11-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 50+-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 1-CS (Norma Beach):  
U.W. Ocean., Hoh, 1963-68.
- 46-E (Port Gardner Bay):  
U.W. Ocean., Hoh, 1963-67.
- 27-E (Port Susan):  
U.W. Ocean., Hoh, 1963-67.
- 3-E (Penn Cove):  
U.W. Ocean., Hoh, 1963-67.
- 4-E (off Demock Point to Utsalady Point):  
U.W. Ocean., Hoh, 1963-67.
- 11-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.
- 3-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 5-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
- 1-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.
- 1-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
- 1-CS (Apple Cove Point):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-AI (Useless Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Port Townsend Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Samish Bay):  
U.S. Ocean., Hoh, S.J., 1966.
- 2-B (Padilla Bay near William Point; Bellingham Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Penn Cove; Port Susan):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Gardner Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Holmes Harbor):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Protection Island): WSDF, groundfish trawl, through 1970.
- 1-E (Port Susan, off Camano Head):  
WSDF, groundfish trawl, through 1970.
- 2-E (Everett Bay): WSDF, groundfish trawl, through 1970.
- 3-S (Edmonds): WSDF, groundfish trawl, through 1970.
- 1-CS (Possession Point): WSDF, groundfish trawl, through 1970.
- 1-E (Saratoga Pass.): WSDF, Commercial Catch Comp., 1966-68.
- 1-B (west of Lummi Island): WSDF, Commercial Catch Comp., 1966-71.
- 1-SS (Case Inlet): WSDF, Commercial Catch Comp., 1969-70.
- 2-JF (mid-channel, north of Dungeness Spit): NMFS, Cobb 25.
- 1-JF (Protection Island to Discovery Bay): NMFS, Cobb 35.
- 1-CS (Poverty Bay): NMFS, Cobb 68.
- 2-JF (mid-channel, north of Morse Creek): NMFS, Cobb 90.
- 1-JF (west of Hein Bank):  
NMFS, Cobb 90.
- 2-E (north end of Saratoga Pass.):  
NMFS, Cobb 91.
- 2-E (Everett Harbor):  
NMFS, Cobb, 1/20/61.
- 1-E (Elger Bay):  
NMFS, Cobb, 1/20/61.
- 9-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 3-B (Bellingham Bay, Marine Drive to off mouth of Nooksack River):  
NIH, 1968-71.
- 1-PO (off Fletcher Bay):  
NIH, 1968-71.
- 7-S (Golden Gardens to Meadow Point): NIH, 1968-71.
- 1-HC (Big Beef Harbor): NIH, 69042.
- 17-CS (Port Madison):  
Van Cleve, trap, 1961-65.
- 6-SS (entrance to Eld Inlet):  
Van Cleve, trap, 1961-65.
- 1-E (Holmes Harbor):  
Van Cleve, trap, 1961-65.
- 2-JF (mid-channel, north of Ediz Hook): NMFS, Cobb 25.
- 1-GS (tow area 1, mouth of Boundary Bay):  
WSDF, Gulf Georgia, 1969-71.
- 6-GS (tow area 2, off Birch Bay):  
WSDF, Gulf Georgia, 1969-71.
- 16-GS (tow area 3, off Cherry Point):  
WSDF, Gulf Georgia, 1969-71.
- 4-GS (tow area 4, off north of Neptune Beach):  
WSDF, Gulf Georgia, 1969-71.
- 5-GS (north of Alden Bank, area 5):  
WSDF, Gulf Georgia, 1969-71.
- 8-GS (tow area 6, southeast of Point Roberts):  
WSDF, Gulf Georgia, 1969-71.
- 4-GS (tow area 7: mid-channel):  
WSDF, Gulf Georgia, 1969-71.
- 3-GS (tow area 8: mid-channel):  
WSDF, Gulf Georgia, 1969-71.
- 3-GS (tow area 9: mid-channel):  
WSDF, Gulf Georgia, 1969-71.
- 4-JF (west of Protection Island):  
NMFS, Cobb, 2/28/73.
- 1-CS (south of Possession Point):  
NMFS, Cobb, 2/28/73.
- 6-GS (south of Cherry Point):  
Sea Grant, 1972.
- 1-S (Duwamish River estuary, north of 1st Ave. S. bridge to 16th Ave. S. bridge):  
Sea Grant, 72024.



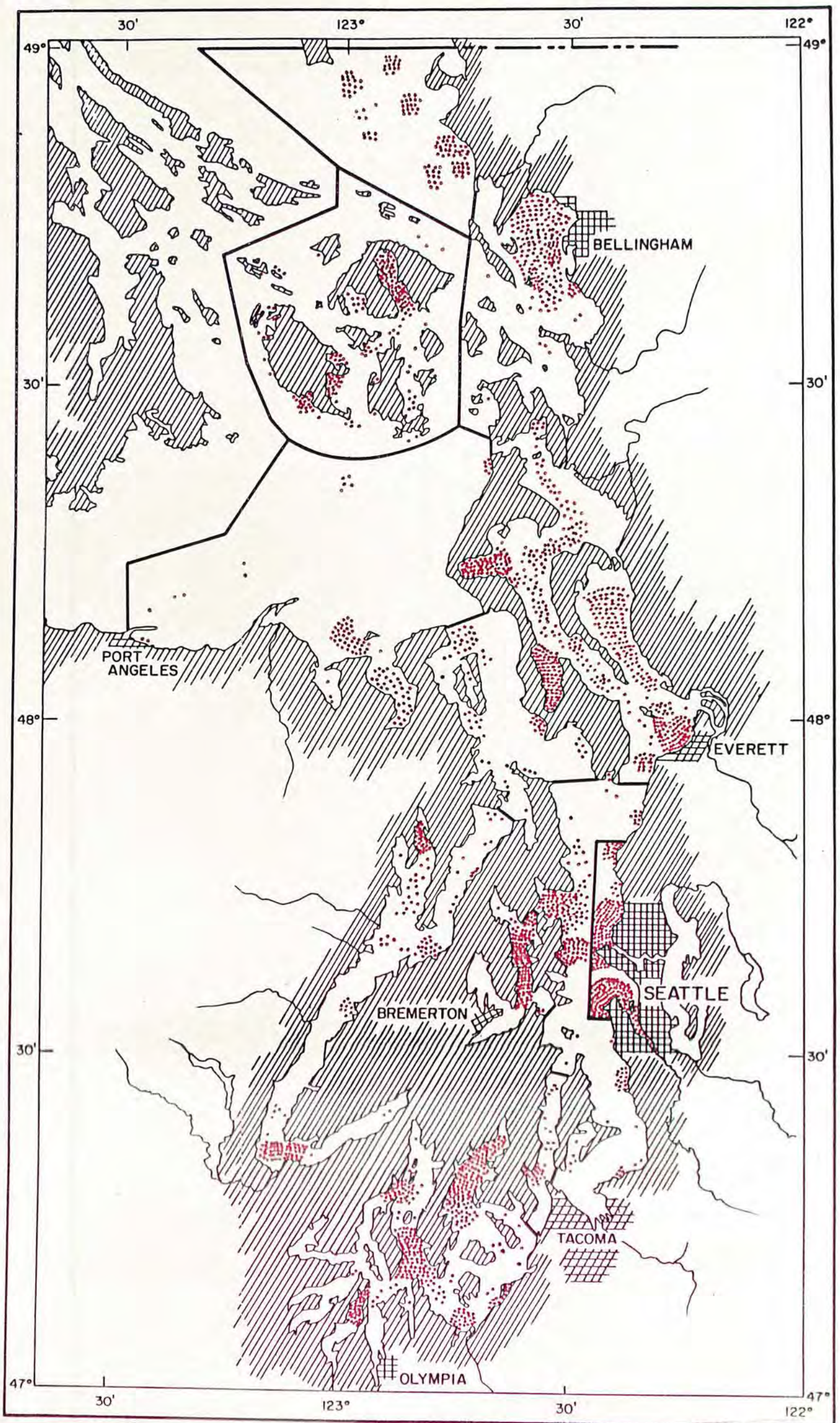
*Microstomus pacificus*

## Pleuronectidae

Miscellaneous Logs

- 4-S (beach seine: Golden Gardens):  
Sea Grant, 1972.
- 3-HC (off Big Beef Harbor):  
Sea Grant, 72031 and 72026.
- 1-E (east and northeast of Gedney Island):  
NMFS, Streeter, 2/21/73.
- 5-S (beach seine): north side of West Point): Sea Grant, 1973.
- 14-S (off northwest side of West Point): Sea Grant, 1973.
- 10-S (off southwest side of West Point): Sea Grant, 1973.
- 14-S (deep otter trawl: off West Point): Sea Grant, 1973.
- 1-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 9-S (southwest of Alki Point):  
Sea Grant, 1973.
- 15-S (deep otter trawl: off southwest of Alki Point):  
Sea Grant, 1973.
- 6-PO (off south of Fletcher Bay):  
Sea Grant, 73008.
- 2-S (Duwamish River estuary, 1st Ave. S. to 16th Ave. S. bridge):  
Sea Grant, 1973.
- 1-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
- 1-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 1-SS (mid-channel, McLane Cove to Stretch Island):  
Sea Grant, 1973.
- 1-HC (mid-channel, off Skokomish River delta): Sea Grant, 1973.
- 1-HC (off Carlson Point to King Spit): Sea Grant, 73039.
- 4-SS (Cormorant Pass):  
Sea Grant, 73059 and 73060.
- 3-SS (Tatsolo Point):  
Sea Grant, 73059.
- 1-SS (Nisqually Reach):  
A.C. DeLacy, personal communication, 1956.
- 1-SJ (East Sound): A.C. DeLacy, personal communication, 1969.
- 2-CS (off Skiff Point):  
U.W. Ocean., Commando, 1968.
- 1-SJ (East Sound): Bruce Miller, Diving Log, 8/20/65.
- 1-CP (beach seine: Gig Harbor spit):  
Sea Grant, 72003 (also boat 7208).
- 2-CP (off Gig Harbor spit): Sea Grant, 72003 (also boat 7208).







*Parophrys vetulus*

## Pleuronectidae

Published Records

- 1-PS: Jordan, 1887.  
 1-JF (beach seine: Port Angeles):  
     Gilbert, 1895.  
 1-PS: Jordan and Gilbert, 1882.  
 2-AI (Marrowstone Point):  
     Evermann and Goldsborough, 1907.  
 2-AI (Kilisut Harbor):  
     Evermann and Goldsborough, 1907.  
 4-AI (Port Townsend; north of Kala  
     Point; north of Tala Point;  
     northwest of Tala Point):  
     Evermann and Goldsborough, 1907.  
 1-S (Seattle):  
     Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-HC (Holly):  
     Schultz and DeLacy, 1935-36.  
 1-PS: Norman, 1934.  
 4-GS: Smith, 1936.  
 11-B (Bellingham Bay): Smith, 1936.  
 6-E (near Coupeville): Smith, 1936.  
 1-E (near Oak Harbor): Smith, 1936.  
 2-JF (Sequim Bay; Discovery Bay):  
     Smith, 1936.  
 2-AI (Port Townsend; Port Gamble):  
     Smith, 1936.  
 2-HC (Bangor; Dabob Bay):  
     Smith, 1936.  
 1-SS (Hale Pass.): Smith, 1936.  
 5-SS (Carr Inlet; Anderson Island;  
     Nisqually Flats; Dofflemeyer  
     Point; Case Inlet): Smith, 1937.  
 2-CS (north of Point Pully;  
     Meadowdale): Smith, 1937.  
 5-E (Mukilteo; Langley; Camano;  
     Watsak Point; Utsalady):  
     Smith, 1937.  
 2-E (Gedney Island): Smith, 1937.  
 4-HC (Hoodsport): Smith, 1937.  
 1-HC (Skokomish Flats):  
     Smith, 1937.  
 1-SJ (Blakely Island): Smith, 1937.  
 1-JF (northwest of Dungeness Spit):  
     Greenwood, 1957.  
 1-E (Kiket Island):  
     Stober and Salo, 1970b.  
 2-E (Skagit and Similk Bays):  
     Stober and Salo, 1970b.  
 6-E (Similk Bay):  
     Stober and Salo, 1970a.  
 20-E (Duwamish River estuary):  
     Salo, 1969.  
 101-E (Duwamish Head): Salo, 1969.  
 26-E (Port Gardner Bay):  
     Salo, 1969.  
 29-E (Skagit Bay): Salo, 1969.  
 2-E (Kiket Island to Strawberry  
     Point): Stober and Salo, 1970b.  
 50+-B: DiDonato, 1969.  
 50+-HC: DiDonato, 1969.  
 70-B (beach seine: Bellingham Bay,  
     north of Eliza Island):  
     Tyler, 1964.  
 1-B (tow net: Bellingham Bay, north  
     of Eliza Island): Tyler, 1964.  
 5-B (Bellingham Bay):  
     McArn et al., 1968.  
 3-E (Port Susan):  
     McArn et al., 1968.  
 1-E (Port Gardner):  
     McArn, et al., 1968.  
 5-E (upper Saratoga Pass.):  
     Menasveta, 1958.  
 5-CS (beach seine: south side of  
     Point Jefferson): Kendall, 1966.  
 29-S (beach seine: Golden Gardens):  
     Kendall, 1966.  
 2-S (beach seine: pump house  
     somewhere between Golden Gardens  
     and Carkeek Park; Carkeek Park):  
     Kendall, 1966.  
 1-E (beach seine: Everett):  
     Kendall, 1966.  
 2-S (Seattle Harbor; Shilshole Bay):  
     Townsend, 1935.  
 1-E (Saratoga Pass.):  
     Townsend, 1935.  
 1-SJ (San Juan Island):  
     Townsend, 1935.  
 6-E (Saratoga Pass.):  
     Menasveta, 1958.  
 6-E Port Susan): Menasveta, 1958.  
 6-E (Everett Harbor):  
     Menasveta, 1958.  
 11-E (Penn Cove): Menasveta, 1958.  
 10-E (mid Saratoga Pass.):  
     Menasveta, 1958.  
 11-E (Holmes Harbor):  
     Menasveta, 1958.  
 1-SS (Chambers Creek, Fox Island):  
     Menasveta, 1958.  
 1-JF (West Beach): Menasveta, 1958.  
 7-E (lower Saratoga Pass.):  
     Menasveta, 1958.  
 2-E (Port Susan): Menasveta, 1958.  
 11-E (Port Gardner):  
     Menasveta, 1958.  
 8-CS (north "central Puget Sound" to  
     Apple Cove): Menasveta, 1958.  
 1-SS (Carr Inlet): Menasveta, 1958.  
 2-S (West Point; Golden Gardens):  
     Good, 1940.  
 1-CS (Redondo Beach): Good, 1940.  
 2-S (Golden Gardens; Alki):  
     Pacis, 1932.  
 1-S (Golden Gardens):  
     Holland, 1969.  
 1-CS (Port Madison): Holland, 1969.  
 2-SS (Carr Inlet; Case Inlet):  
     Holland, 1969.  
 1-S (Golden Gardens):  
     El-Sayed, 1959.  
 5-CS (Dumas Bay): Miller, 1971b  
     (also NIH 71105 and 71106).  
 8-CS (Seahurst County Park):  
     Miller, 1971a (also boat 7113 and  
     NIH 71101).  
 4-E (Skagit Bay):  
     Stober and Salo, 1970a.



*Parophrys vetulus*

## Pleuronectidae

Published Records

- 50+-E (Port Susan; Port Gardner; and  
Saratoga Pass.):  
Haw and Buckley, 1971.  
E (Penn Cove; Saratoga Pass; and  
Holmes Harbor):  
Van Cleve and Pruter, 1956  
(duplicated in boat log).  
SJ: MacPhee and Clemens, 1962  
(duplicated by Friday Harbor lab  
log record).  
6-HC (Anderson Cove): Chew, 1970.  
1-HC (fyke net, in Big Beef Harbor):  
Anderson and Chew, 1972.  
1-S (Elliott Bay, foot of Queen Anne  
Hill): Acena y Puntanilla, 1942.  
S (Golden Gardens): Allen et al.,  
1960 (duplicated in boat log).

University of Washington  
Museum Collection

- 16-S (Alki Point): 669; 799; 854;  
1922; 4392; 789; 6219; 4461;  
4516; 4827; 4885; 5004; 5131 and  
5132; 10356; 16583; 16589.  
1-SJ: 729.  
4-S (Seattle):  
833; 845; 855; 10368.  
4-SJ (Squaw Bay):  
852; 2300; 2081; 2178.  
1-SJ (Upright Head): 857.  
1-SJ (Cattle Point): 1020.  
1-SJ (Peavine Pass.): 1094.  
2-SJ (Brown Island): 1118; 2141.  
5-SJ (False Bay):  
1133; 1161; 1177; 2158; 2269.  
1-SJ (Davis Bay): 1194.  
1-E (off Snohomish River): 2623.  
1-B (eight miles south of  
Bellingham): 3427.  
1-S (south of West Point): 4367.  
1-AI (Useless Bay): 4422, 4424 and  
4427 (same collection).  
1-HC (Quilcene Bay): 4448.  
1-CS (beach seine: Fauntleroy):  
4464.  
8-S (Edmonds Beach):  
4547; 4477; 4590; 5441; 5468;  
5486; 5511; 5523.  
1-E (Saratoga Pass., Watsak Point):  
5213.  
1-SS (Carr Inlet, ambi-colored):  
5259.  
3-CS (Redondo Beach):  
5311; 4999; 4794.  
1-PO (north of buoy N4, Agate  
Pass.): 5829.  
1-CS (Port Madison, Indianola):  
6180.  
1-PO (Liberty Bay): 6191.  
1-CS (beach seine: Cultus Bay):  
10394 and 16593 (also boat 5217).  
1-SS (Fox Island): 14860.  
1-SJ (Kanaka Bay): 1155.  
1-SJ (lower East Sound): 1290.  
2-SJ (Friday Harbor): 2153; 11164.  
1-SJ (Griffin Bay): 2163.  
1-AI (Useless Bay): 4564.  
1-S (south of Richmond Beach):  
4862.  
3-SJ (East Sound):  
2279; 16678; 17077 (also Friday  
Harbor log, 6/20/63).  
2-SJ (East Sound, south of Rosario  
Point): 18667 (also NIH, 1964-  
66); 18668 (also NIH, 1964-66).  
2-S (beach seine: Edmonds):  
4385; 4410.  
2-S (beach seine: spit near Ballard  
Locks): 4579; 4614.  
1-S (beach seine: south of Ballard  
Locks): 4399.  
6-S (North Beach):  
4491 and 4495; 4627; 4647; 4839  
and 4841; 5036; 5070.  
1-S (off North Beach): 5071.  
6-S (Edmonds): 4925; 4935; 4939;  
5011; 5493; 5502.  
1-S (Edwards Point to Point Wells):  
4976.  
1-S (Shilshole Bay): 5118.  
1-S (off Blue Ridge): 5053.  
3-S (Meadow Point):  
5396; 16588; 17144.  
1-CS (off Port Madison):  
5725 (also boat 497B).  
9-S (Carkeek Park): 5532; 5558;  
5564; 5998 (also boat 5022B);  
5920; 6062; 8892; 8893; 10654.  
18-S (beach seine: Golden Gardens):  
8911 (also boat 5121B); 6013  
(also boat 5030B); 5941 (also  
boat 5032.1A); 5933 (also boat  
5032.1B); 5905 (also boat  
5032.1C); 5932 (also boat  
5032.1D); 5919 (also boat  
5032.1E); 11162 (also boat  
5129B); 11163 (also boat 5209A);  
11165 (also boat 5215A); 11166  
(also boat 5209D); 11167 (also  
boat 5108B); 14852 (also boat  
5108C); 14853 (also boat 5084B);  
14870 (also boat 5215B); 14928  
(also boat 5116H); 16584 (also  
boat 5040A); 14864.  
1-SS (northwest end of Stretch  
Island):  
5670 (also boat 7/20/49-1).  
1-SS (Carr Inlet, off Glen Cove):  
5815 (also boat 5009J).  
1-PS: 10371.  
2-S (off Golden Gardens):  
5850 (also boat 493B); 5734 (also  
boat 497E).  
1-SJ (south of Frost Island):  
5991 (also Friday Harbor log  
6/19/50-2 and boat 5033D).  
1-S (one mile south of Alki Point):  
6058.  
1-SS (Dofflemeyer Point): 6096.  
1-SJ (Fisherman's Bay): 6206.  
1-S (south of Duwamish Head): 7695.



*Parophrys vetulus*

## Pleuronectidae

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- 5-S (Golden Gardens): 8857; 10656;  
14862; 16925; 16574.  
1-S (Ballard Beach): 10355.  
1-S (near Ballard Locks): 10361.  
2-S (Edmonds): 10370; 16616.  
1-S (3/4 mile south of Richmond  
Beach): 10643.  
1-S (south of Richmond Beach):  
10649.  
1-SS (mouth of Carr Inlet, mid-  
channel, west of Gibson Point):  
11168 (also boat 5104C).  
1-SJ (north side of Johns Island,  
second bay): 14858 (also Friday  
Harbor log, 8/19/52-1).  
2-S (beach seine: Carkeek Park):  
14842 (also boat 5220A); 14850  
(also boat 5311C).  
1-PS (off Oceanographic Inst.):  
14857.  
1-PO (Agate Pass., buoy N4-N6):  
14863 (also boat 5315C).  
1-SJ (Argyle Bay): 15836 (also  
Friday Harbor log, 8/18/60-1).  
1-SJ (San Juan Island): 15961.  
1-PO (off Fletcher Bay):  
17114 (also boat 6406C).  
1-SJ (Upright Channel): 17210 (also  
Friday Harbor log, 7/5/63).  
1-JF (west of MacArthur Bank):  
17851 (also Friday Harbor log,  
7/19/63-1).  
1-SJ (Deadman Bay): 18222.

Friday Harbor Laboratory Log

- 2-B (Bellingham Bay):  
7/26/51-2; 6/22/55.  
1-B (Bellingham Bay, south of Eliza  
Island): 8/8/55-1.  
2-SJ (off Upright Head):  
6/28/51-1; 8/22/55-3.  
1-SJ (south of Orcas Island):  
6/24/52.  
1-SJ (Lopez Sound and East Sound):  
7/1/52.  
1-SJ (Reid Harbor, Stuart Island):  
7/9/52-2 (also boat 5220H).  
6-SJ (West Sound): 7/9/52-3 (also  
boat 5220I); 8/13/60-2; 6/26/61;  
6/27/63-B; 6/20/69-2; 7/6/71-2.  
15-SJ (Argyle Bay):  
7/21/52; 8/16/55-3; 7/5/60;  
7/15/60-2; 8/11/60-2,3,4; 7/8/61;  
7/12/61-1,3,4; 8/3/61; 7/15/63;  
7/8/67; 7/10/69-4.  
1-SJ (north side of Johns Island,  
second bay): 8/19/52-1.  
4-SJ (Friday Harbor Lab): 8/3/52;  
8/18/55; 7/19/60; 8/4/60-1.  
10-SJ (False Bay):  
8/4/52-1,2; 7/17/50-1; 7/24/60;  
8/5/60; 6/29/51; 7/26/61;  
6/21/63; 7/18/67; 7/1/69-8.

- 4-SJ (lower East Sound):  
7/28/55; 8/11/55-3; 8/22/55-6;  
6/20/50-2 (also boat 5033I).  
8-SJ (East Sound):  
8/11/52; 7/6/60-2; 7/26/60;  
8/13/60-1; 6/20/61; 5/11/62;  
6/29/71-1; 7/6/71-1.  
1-SJ (Roche Harbor): 8/19/52.  
1-SJ (East Sound or West Sound):  
7/25/55.  
1-SJ (southeast of Cattle Point):  
8/3/55-2 (also boat 5520B).  
1-SJ (Trump Island to Decatur Head):  
8/11/55-2.  
1-SJ (Eagle Point): 7/13/50-3.  
2-SJ (outside False Bay):  
8/17/55-1,2.  
1-SJ (Cowlitz Bay): 8/25/55-1.  
1-SJ (Johns Island): 7/10/50-2.  
1-SJ (west of Decatur Head):  
7/24/50-1.  
1-SJ (San Juan Island, opposite  
Henry Island): 7/31/50-1.  
1-SJ (north of Hunter Bay):  
6/19/50-5 (also boat 5033G).  
1-SJ (off northwest of Barnes  
Island):  
6/20/50-3 (also boat 5033J).  
1-SJ (West Sound and Lopez Sound):  
6/27/60.  
2-SJ (Squaw Bay):  
8/1/60-1; 7/10/61-1.  
2-SJ (Upright Head to Olga):  
8/1/60-2; 7/10/61-2.  
2-SJ (Mitchell Bay):  
8/16/60-1; 7/17/61-2.  
3-JF (west of McArthur Bank):  
8/8/60; 8/3/69; 7/8/69-1.  
1-SJ (Westcott Bay): 8/16/60-2.  
1-SJ (White Beach): 8/16/60-4.  
1-SJ (North Bay): 8/16/60-2.  
1-SJ (McArdle Bay): 8/22/60-3.  
2-SJ (Lopez Sound):  
8/22/60-4; 6/21/71-2.  
1-SJ (Friday Harbor): 6/27/61.  
1-JF or SJ (Cattle Point to Smith  
Island): 6/28/61-1.  
3-SJ (Argyle Lagoon):  
7/12/61-2; 7/10/69-2,3.  
1-SJ (Smallpox Bay): 7/13/61.  
1-SJ (Mosquito Pass.): 7/17/61-1.  
2-SJ (Cattle Point):  
8/6/61; 6/23/67-1.  
1-SJ (San Juan Island): 5/62.  
1-SJ (south of Lopez Island):  
6/27/63-A.  
7-SJ (mid East Sound):  
1/17/64; 2/21/64; 4/3/64; 6/5/64;  
7/11/64; 6/20/69-1; 6/21/71-1.  
1-SJ (Squaw Bay or West Sound):  
6/30/67.  
1-SJ: 7/14/67.  
1-SJ (Squaw-Ogden): 6/27/69.  
1-SJ (Friday Harbor lab night  
light): 1969.



*Parophrys vetulus*

## Pleuronectidae

Friday Harbor Laboratory Log

1-SJ (lower East Sound): 6/26/73-1.

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1-JF (Discovery Bay): 5318A.  
 1-JF (west of McArthur Bank): 5520A.  
 1-GS (north of Alden Bank): 491G.  
 1-GS (off Cherry Point): 491H.  
 1-SJ (Puffin Island to Orcas Island): 491E.  
 1-SJ (off Raccoon Point toward Barnes Island): 491F.  
 1-SJ (north end of East Sound): 491M.  
 2-SJ (East Sound): 5033M; 6512I.  
 1-SJ (beach seine: Fisherman's Bay): 5033O.  
 1-SJ (Lopez Sound, south of Spencer Spit): 5033P.  
 17-SJ (training cruise area: East Sound, north of Rosario Point): 6507H; 6517H; 6603H; 6614H; 6620H; 6630H; 6717H; 6815H; 6819H; 6908H; 6914H; 7010H; 7017H; 7110H; 7118H; 7307H; 7313H.  
 3-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I; 7118I; 7307I.  
 1-SJ (Lopez Sound, west of Ram Island): 491P.  
 1-B (east of Point Frances): 491J.  
 1-B (east of Vendovi Island): 491K.  
 1-B (east of Burrows Island): 5033S.  
 2-B (Bellingham Bay): 6715G; 6822G.  
 20-B (training cruise area: southwest of Post Point): 6507G9; 6512G; 6517G; 6603G; 6614G; 6620G; 6630G; 6717G; 6815G; 6819G; 6826G; 6908G; 6914G; 7010G; 7017G; 7110G; 7118G; 7307G; 7313G.  
 1-E (off Tulalip Bay): 7/1/49-1.  
 26-E (Holmes Harbor, off Rocky Point to Dines Point): 491Q; 5220D,O; 5234A,C; 5237D,E,F,L; 5307B,C,D,K,L,R,S; 5312H,I; 5321R,S; 5327C,D,E; 5509E,F; 5611C.  
 3-E (Port Susan, off Warm Beach): 5023A,B,C.  
 1-E (Port Susan, off Spee-Bi-Dah): 5023D.  
 2-E (off Mission Beach): 5023E,F.  
 5-E (Penn Cove mouth, off Long Point to off Snatelum Point): 5213A; 5220E; 5321F; 5330H; 5810G.  
 7-E (Penn Cove, off Coupeville to Lovejoy Point): 5213B,C; 5316I,J; 5231A,H; 5418E.  
 2-E (off Oak Harbor to Blower Bluff): 5220F,N.  
 21-E (Holmes Harbor, off Dines Point to Classic): 5234D; 5237C,M; 5305C,D; 5307I,J;

5312F,G,J,K; 5316A,B,C; 5321X; 5405G,H; 5501D; 5509C,D; 5712F.  
 43-E (Holmes Harbor, south of Classic): 5234E,F; 5237A,B,G,I,J,K; 5305A,B,G; 5307E,F,G,H,M,N,O,P,T,U; 5312B,C,D,E,L,N; 5316D,E,M,N; 5321T,U,V,W; 5321Y; 5501A,B,C,E,F; 5611B; 5810E.  
 1-E (beach seine: Good Beach, Penn Cove): 5316G.  
 10-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5316K,L; 5330F,I; 5418H; 5712C; 5509M,N,Q,R.  
 77-E (Holmes Harbor): 5305E,F,H,I,J,K,L,M; 5325A,B,C,D,E; 5327A,B; 5330A,B,C,L,M; 5405A,B,C,D,E,F; 5418A,B,C,D; 5420A,B,C,H; 5509A,B,G,H,I,J,S,T,U; 5522D,E; 5604D,E,F,G,H,I; 5613O,P,Q,R,S,T; 5614E,F,G; 5703E,G,H; 5810A; 5928A,B,C,D,E,F,Q; 5933D,G,H,I,J; 6821.5E.  
 2-E (Penn Cove, off Lovejoy Point to Long Point): 5321B,G.  
 3-E (off Utsalady Point): 5321C,D,E.  
 2-E (Saratoga Pass., off Snatelum Point): 5321I,J.  
 8-E (Saratoga Pass., off Onamac Point to Indian Beach): 5321K,L; 5330D; 5405L,M,N; 5418K,L.  
 7-E (Elger Bay): 5321M,N; 5330J; 5405O,P,Q; 5418I,J; 7112.  
 4-E (Saratoga Pass., off Saratoga to off Langley): 5321O,P,Q; 5330K.  
 1-E (off southwest of Everett): 5525C.  
 39-E (Penn Cove): 5327F,G; 5330G; 5405I,J,K; 5418F,G; 5420D,E,F,G; 5509K,L,O,P; 5522F; 5613U,V,W,X; 5614H,I,J; 5712A; 5810F,H; 5928G,H,I,J,K,L,M,N,O,P; 6117D,E.  
 2-E (Saratoga Pass., off North Bluff to off Greenbank): 5418M,N.  
 17-E (off Mukilteo): 5525A,B,E,F,H,I,J,K,L,M,N; 5604A,B,C; 5613M,N; 6407.  
 2-E (off north of Mukilteo to Gedney Island): 5525D,G.  
 1-E (Saratoga Pass., off Cama Beach to Lowell Point): 5712D.  
 4-E (Holmes Harbor or Penn Cove): 6117I,J,K,L.  
 14-E (training cruise area: east of Gedney Island): 6507C8; 6512C; 6517C; 6620C; 6630C; 6722C; 6815C; 6819C; 6908C; 6914C; 7010C; 7017C; 7118C; 7313C.  
 7-E (training cruise area: off Penn Cove): 6614E; 6717E; 6826E; 6908E; 7110E; 7213E; 7307E.  
 3-E (training cruise area: Saratoga Pass., north of Langley): 6603D; 7010D; 7017D.



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## Pleuronectidae

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- 4-E (Saratoga Pass.):  
6801.5; 6810B,C; 6821.5D.
- 1-E (Port Susan, off Kayak Point):  
6702C.
- 1-E (Port Susan, off north of Kayak Point to Tulalip): 7112.
- 2-AI (training cruise area: east of north Marrowstone Island):  
6507J; 6603J.
- 1-AI (just south of Foulweather Bluff on east side of Hood Canal entrance): 7112E.
- 1-AI (off Tala Point to Hood Head):  
6902M.
- 1-AI (off White Rock): 499K.
- 1-AI (in Oak Bay): 5009C.
- 3-HC (off Shine to Sisters buoy):  
499C; 12/28/48-1,2.
- 2-HC (off Lofall): 12/28/48-3,4.
- 1-HC (opposite Hoodsport): 499F.
- 1-HC (off Sisters Point): 499G.
- 1-HC (off Tabook Point, Dabob Bay):  
499I.
- 1-HC (off Thorndike Bay): 499J.
- 18-HC (Dabob Bay): 5903B; 5921;  
6105A; 6202A,F; 7102A,C,E,H,J (or I),K,L,N,P; 7112; 7205I,M,N.
- 1-HC (west of Misery Point): 7202A.
- 5-HC (off Pleasant Harbor): 6804E;  
6828E; 6902L; 7003I; 7202C.
- 46-HC (Dabob Bay, Broad Spit to Long Spit):  
6503A,C,D,E,G,H; 6601A,D; 6629A,B,D; 6702D,E,F; 6724A; 6804A,B,F,G,H; 6807A,B; 6328A,B; 6902A,B,C,E,F,H; 7003A,B,E; 7202D,E,F,G,H,I,J; 7303A,B,C,D,E,F.
- 1-HC (mid-channel, off Hoodsport to Potlatch): 6804D.
- 1-HC (northeast of Big Beef):  
6902I.
- 1-HC (west of Seabeck Bay): 6902J.
- 3-HC (Anderson Cove): 7009B,C,D.
- 1-HC (opposite Vinland): 7112C.
- 1-HC (south of Hood Canal floating bridge): 7112D.
- 4-CS (off Port Madison):  
5812E; 5006E; 5043C,B.
- 17-CS (Port Madison):  
1/22/49-1,2,3,5; 2/5/49-1; 5048B; 5122A; 5131B; 5132D; 6/30/49; 492A; 5006C; 5043A; 5812A; 5932A; 6204B; 7011C.
- 1-CS (northeast of Apple Cove Point): 5009A.
- 1-CS (off Cultus Bay): 5032A.
- 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.
- 1-CS (mid Quartermaster Harbor):  
5042C.
- 1-CS (Tramp Harbor): 5104A.
- 1-CS (off Point Jefferson): 5112D.
- 1-CS (beach seine: Cultus Bay):  
5217B.
- 1-CS (north of Des Moines): 5224A.
- 5-CS (off Agate Pass., Port Madison): 5232A; 5236A; 5302AA;  
5310.2F; 5317C.
- 5-CS (mid-channel, Meadow Point to Port Madison): 5314B; 5516A;  
5608A; 5709B; 5911B.
- 1-CS (west of Point Monroe): 5315D.
- 2-CS (off Fay Bainbridge State Park): 5805A; 5806C.
- 4-CS (east of Point Monroe):  
5805C; 5813A,B,C.
- 2-CS (beach seine: south of Fay Bainbridge State Park): 5806A,B.
- 22-CS (training cruise area: mid-channel, Skiff Point to West Point): 6512B; 6603B; 6606B;  
6607B; 6611B; 6614B; 6620B; 6623B; 6626B; 6627B; 6628B; 6722B; 6815B; 6908B; 6914B; 7017B; 7110B; 7118B; 7213B; 7307B; 7308B; 7313B.
- 4-CS (off Murden Cove):  
6610B; 6710A2,B2,C2.
- 1-CS (Vashon Island, off Sylvan Beach): 6703A.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 3-CS (trap, Port Madison):  
6213-2,3; 6217-1.
- 1-CS (off West Point): 7017Y.
- 47-CS (Murden Cove):  
6610A,C,D; 6612A,B; 6613A,B; 6616; 6705; 6706B; 6710A; 6711D2; 6713C,D,G,H; 6801B; 6806B; 6809A; 6812B,C,D,E; 6818A,B,C; 6819X; 6821.5G,H,I; 6823-1,2,3; 6906A,B,C,D,E; 6912; 7008A,B; 7108A,B,C,D; 4/4/73B; 7308A.
- 1-CS (trap, Blake Island): 6217-4.
- 10-PO (Agate Pass., buoy N4 to N6):  
5006A; 3/25/49-2; 5048A; 5131A; 5132C; 5310.4F,.5C,.5F,.5J; 6617B.
- 1-PO (south part of Agate Pass.):  
5011C.
- 19-PO (off south of Fletcher Bay):  
5229A,C; 5413B,D,E,F; 5421B; 5801A,B,C; 5926B,C,D,E; 6016B4; 6118A,B,C,D.
- 8-PO (off Manzanita to off Seabold):  
5236B; 5310.1D,.2B,.4B,.5B,.5E; 6215A,B.
- 5-PO (between "B-2" and "B-1"):  
5236F; 5526A; 6205C1,C2,C3; 5301C.
- 130-PO (off Fletcher Bay to south of Battle Point and Brownsville):  
5206B; 5207D,E; 5223B; 5226A,B; 5228E,F; 5230F; 5232C; 5235P; 5236C,D,E; 5301A,B,D; 5302BB; 5303; 5306A; 5309A; 5310.3B,.5D,.5G; 5315B; 5317A,B; 5323A; 5401A; 5402X; 5404.1; 5409.1; 5413A; 5414.1C; 5421A; 5422A,B,C; 5423A; 5503A; 5504; 5507; 5523A,



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## Pleuronectidae

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- B; 5524; 5602A,B; 5603E; 5615A,B,  
C,D; 5707A,B,G,H; 5709C; 5711A;  
5809A; 5901AK,AL; 5904A,B,C;  
5905A; 5906A; 5907A; 5910A;  
5912A; 5915A,B; 5919A,B; 5922A;  
5923A,B; 5924B; 5927C; 5931B;  
5932B; 6001AM,AN; 6003A; 6006A,B;  
6008A; 6011A; 6015B; 6016A1,B1,  
A2,B2,A3,B3,A4,A5,B5; 6020;  
6021A,B,C,D,E; 6101A; 6103; 6107;  
6109A; 6111A,B; 6119I; 6201;  
6202.5; 6205D1,D2,D3; 6311.5;  
6317; 6320A; 6322.5; 6403AF;  
64251-A,2A; 6427A,B; 6504;  
6504.5B; 6505A; 6507K; 6707;  
6913.
- 1-PO (Brownsville to White Point):  
6806A.
- 45-PO (most off Fletcher Bay):  
5306B; 5812B; 5926A; 6002A;  
6007A,B; 6009A; 6203B,C; 6204A,C;  
6214; 6302.5; 6312.5; 6402;  
6407.1,.2; 6415; 6419; 6515-1,2;  
6711C; 6713A,B,E,F; 6715; 6716.5;  
6801; 6806; 6813.5; 6821.5F;  
6916D,H; 7011A,B; 7020; 7104-1,2;  
7105-1,2; 7107A,B; 7302A; 7313X.
- 3-PO (off Battle Point and north):  
5309B; 5310.3A; 5422F.
- 2-PO (Point Bolin to Keyport):  
5310.4D,E.
- 1-PO (Agate Pass., north of buoy  
N4): 5709D.
- 3-PO (beach seine: one mile north of  
Illahee Dock): 6205A2.2,3.1,3.2.
- 1-PO (off Seabold Wharf): 6617A.
- 2-S (1/2 mile west of Duwamish  
Head): 6615A,B.
- 1-S (off Piper Creek): 6510D.
- 112-S (off Golden Gardens to Meadow  
Point): 4/2/49-1,2; 4/16/49-2,4;  
491A; 492F; 494A,B,C,E; 495D;  
496A,C; 498A,B; 4910A; 5003A;  
5007B,C; 5008B,C; 5009K,L; 5014B,  
C; 5017C,D,F; 5028A,B; 5029B,C,D;  
5033A; 5034A,B,D,E; 5039D; 5110B,  
C; 5112A,B,C,E; 5119C,D,G,H;  
5127B; 5129C; 5131C; 5132A,B;  
5203C,D; 5233B; 5314C; 5324B,C;  
5329C,D; 5401D; 5408A,B; 5416A,B;  
5512E,F,G; 5521A,D; 5607A,B;  
5702AN; 5704I,E; 5707J,K; 5713G;  
5907B,C,D; 5911A; 5920A,B,E,F;  
5924C; 5931A; 6005A,B,C; 6010A,B,  
C,D; 6018A; 6112A,B,C; 6114A;  
6206A,B; 6311A,D,E,F; 6414A;  
6506A,C; 651CC.
- 3-S (off West Point sewer outfall):  
6718-3,5,6.
- 2-S (off south of West Point to off  
Four-Mile Rock): 5602C; 5027D.
- 273-S (beach seine: Golden Gardens  
to Meadow Point):  
492E; 5001; 5007D; 5010A,D;  
5012A,B,C; 5013; 5015A,B,C,D;
- 5016A,B,C,D; 5018A; 5019A,B,C;  
5021A,F,G; 5024A,C,D; 5036A,B;  
5047A,B,C; 5105A; 5108A; 5110H;  
5112F,G; 5114A,B,C,D; 5116A,B,C1,  
D2,E,F,G1,G2; 5119E,F; 5127C;  
5134A,B; 5137A,B; 5208B,D; 5209B,  
C; 5214A1,A2,B1,B2,C1,C2,D1,D2,  
E1,E2,F1,F2; 5215U,C,D,E,F,G,H,I,  
J,K,L,M,N; 5314D; 5320A,B; 5322A;  
5324E; 5326A; 5328A; 5329E;  
5404A; 5406; 5407; 5409; 5411A,B;  
5412A,B,C,D,E; 5414A,D,F; 5415A,  
C,E,D,F,I,J,M,O,B,G,K,P; 5417A;  
5419; 5424A,B; 5505A,B,C,D,E,F;  
5508A,B,C,D; 5510A,B,E,F; 5513A,  
B,C,D; 5514A,B,C,D; 5609A,B;  
5612A; 5706A,B,C; 5710A,B,C,D;  
5804A; 5807A,C; 5909C,D,E; 5913A,  
B; 5914A,B,C; 5920J,K,L,M,N,O;  
5925A,B; 6014A,B,C; 6019A,B,C;  
6110; 6113A,B,C; 6115A,B; 6116A,  
B,C; 6207A,B,C; 6210C; 6209A,B,D;  
6211; 17-6309; 15-6310; 6311B,C;  
6319; 6410A,B,C; 6411A,B; 6-6417;  
6508A,B,C,D; 6509A,B,C,D; 6511A,  
B,C,D,E,F; 6513A,B; 6518A,B;  
6708A,B,C; 6709B,C; 6711A2,B2,C2;  
6716A,B,C.
- 30-S (off Meadow Point to Carkeek):  
5020A; 5039E; 5041B; 5044A;  
5110A; 5119B; 5203A,B; 5211B,C;  
5212B,D,E,F; 5216A; 5233A; 5401C;  
5606A; 5915C,D; 7119A,B; 7120A,B;  
6406A; 6414B,C,D; 6510A,B.
- 23-S (beach seine: Carkeek Park):  
5022A,C; 5219A,B; 5220C; 5221A,B,  
C; 5225A,B; 5231A; 5311A,B;  
5313A,B,C,D; 5708A,B,C,D; 5808A,  
B.
- 6-S (off Alki Point to Duwamish  
Head): 5027A; 5603A; 5616D;  
5702AM; 5802JJ; 6001AO.
- 1-S (off Edmonds): 6119.
- 1-S (off north of Carkeek Park):  
6206C.
- 2-S (off West Point): 6721A-1,2.
- 1-S (Meadow Point to Richmond  
Beach): 6429A.
- 21-S (beach seine: Alki Point to  
Duwamish Head): 21-6619.
- 1-S (Carkeek Park to Richmond  
Beach): 6719A.
- 2-S (southwest of West Point):  
6806C; 6818D.
- 5-S (beach seine: north side of West  
Point): 7310A4; 7311A,C,B; 7311.
- 2-CP (off Sandford Point):  
7/18/49; 5126N.
- 1-CP (south end of West Pass.):  
7/21/49-1.
- 4-CP (off Camp Sealath):  
5009E,F; 5104CC,DD.
- 3-CP (off Cove):  
5046A; 5133Q; 5135E.
- 1-CP (west side off south of Command  
Point): 5133P.



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## Pleuronectidae

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- 1-CP (Olalla to Maplewood): 6703D.  
 2-SS (off McLane Cove to Stretch Island): 7/20/49-3; 5201L.  
 1-SS (off mouth of Budd Inlet): 7/20/49-4.  
 9-SS (northwest end of Nisqually Reach): 7/20/49-5; 5009I; 5126J; 5201C,D,M; 5204F,G,J.  
 39-SS (Carr Inlet, off Minter Creek to Elgin): 7/19/49-1; 5037H; 5045D,E,EE,F,G,J; 5046C; 5101C; 5102C; 5104D,H,I,V,X; 5107A; 5126D,F; 5133B,C,F,J,K,M,N; 5135A,B,C,D; 5201G,H,P; 5213E,F; 5227D,E,F,G,I.  
 2-SS (Case Inlet, west of Herron Island): 5009G; 5126H.  
 1-SS (north end of Pickering Pass., to off McLane Cove): 5009H.  
 2-SS (southwest of Green Point, Carr Inlet): 5037A; 5104T.  
 48-SS (Carr Inlet, off Glen Cove to off Cuts and Raft Islands): 5037C,G; 5045A,B,C,K; 5101B,E,F; 5102A,B; 5104J,K,L,M,N,O,P,Q,Y,Z, AA; 5115F; 5126C,M; 5201A,B,O; 5204A,B,C,D,E,K,L,M,N; 5213D; 5227B; 5613A,B,C,D,E,F,G,H,I.  
 9-SS (Carr Inlet, off Wauna): 5037I; 5045I; 5101A; 5104E,F,G,W; 5126L; 5227A.  
 2-SS (mouth of Carr Inlet, Gibson Point to Gertrude Island): 5046D; 5104C.  
 2-SS (Carr Inlet, east side of Cutts Island): 5037D,F.  
 2-SS (Carr Inlet, mid-channel, off north of Home): 5104R; 5201I.  
 2-SS (Totten Inlet, Windy Point to Steamboat Island): 5115D; 5201K.  
 1-SS (beach seine: Carr Inlet, one mile north of Minter Creek): 5126E.  
 1-SS (Case Inlet, off Victor): 5126G.  
 1-SS (west of Ketron Island): 5126K.  
 1-SS (Dana Pass., off Unsal Point): 5201J.  
 1-SS (Hale Pass., Wollochet Bay to Point Fosdick): 5201N.  
 9-SS (Carr Inlet): 5522A,B,C; 5635B,D; 5703A,B,C,D;  
 1-SS (beach seine: just south of Minter Creek, Carr Inlet): 5227H.  
 1-SS (Dana Pass., Brisco Point to Dofflemeyer Point): 5204H.  
 3-SS (Case Inlet): 5613J,K,L.  
 4-SS (Eld Inlet, trap area, one mile northeast of Flapjack Point): 6208A,B; 6219-1,2.  
 1-SS (Case Inlet, east of Hartstene Island): 6724C.  
 3-SS (Carr Inlet, Glenn Cove to Green Point): 6724B-1,2,3.

- 1-SS (Drayton Pass.): 6724D.

Miscellaneous Logs

- 2-S (West Point to Magnolia): Metro, 1963-70.  
 5-S (beach seine: Duwamish River estuary): Metro, 1963-70.  
 135-S (Duwamish River estuary): Metro, 1966-70.  
 1-E (Everett): WSDf, Sport Fish., 1965-70.  
 5-HC: WSDf, Sport Fish., 1965-70.  
 50+-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.  
 50+-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.  
 350-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.  
 50+-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.  
 50+-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.  
 2-HC (Lynch Cove): U.W. Ocean., Hoh, 1963-67.  
 2-HC (Seabeck): U.W. Ocean., Hoh, 1963-67.  
 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.  
 3-SS (Nisqually Flats): U.W. Ocean., Hoh, 1963-67.  
 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.  
 50+-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.  
 2-CS (Norma Beach): U.W. Ocean., Hoh, 1963-68.  
 30-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.  
 23-E (Port Susan): U.W. Ocean., Hoh, 1963-67.  
 9-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.  
 13-E (off Demock Point to Utsalady Point): U.W. Ocean., Hoh, 1963-67.  
 5-E (Saratoga Pass., off Demock Point): U.W. Ocean., Hoh, 1963-67.  
 1-S (Edmonds ferry dock): A.C. DeLacy, personal communication, 1962.  
 21-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.  
 1-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Commando, 1968.  
 1-PO: U.W. Ocean., Commando, 1968.  
 1-E (Port Susan): U.W. Ocean., Commando, 1968.  
 5-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.



*Parophrys vetulus*

## Pleuronectidae

Miscellaneous Logs

- 4-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.  
 5-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.  
 6-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.  
 3-CS (Apple Cove Point): U.W. Ocean., Hoh, S.J., 1966.  
 1-CS (Pilot Point): U.W. Ocean., Hoh, S.J., 1966.  
 4-AI (Useless Bay): U.W. Ocean., Hoh, S.J., 1966.  
 2-AI (Port Townsend Bay): U.W. Ocean., Hoh, S.J., 1966.  
 1-AI (Skunk Bay): U.W. Ocean., S.J., Hoh, 1966.  
 2-AI (Mutiny Bay): U.W. Ocean., Hoh, S.J., 1966.  
 2-SJ (Discovery Bay): U.W. Ocean., Hoh, S.J., 1966.  
 3-B (Padilla Bay near William Point): U.W. Ocean., Hoh, S.J., 1966.  
 2-B (Samish Bay): U.W. Ocean., Hoh, S.J., 1966.  
 3-B (Bellingham Bay): U.W. Ocean., Hoh, S.J., 1966.  
 2-SJ (West Sound): U.W. Ocean., Hoh, S.J., 1966.  
 4-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.  
 12-E (Penn Cove): U.W. Ocean., Hoh, S.J., 1966.  
 6-E (Utsalady): U.W. Ocean., Hoh, S.J., 1966.  
 4-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.  
 4-E (Port Gardner Bay): U.W. Ocean., Hoh, S.J., 1966.  
 7-E (Holmes Harbor): U.W. Ocean., Hoh, S.J., 1966.  
 14-JF (Protection Island): WSDF, groundfish trawl, through 1970.  
 19-JF (Discovery Bay): WSDF, groundfish trawl, through 1970.  
 1-E (Holmes Harbor): WSDF, groundfish trawl, through 1970.  
 4-AI (Port Townsend): WSDF, groundfish trawl, through 1970.  
 7-AI (Oak Bay): WSDF, groundfish trawl, through 1970.  
 2-AI (Olele Point; Skunk Bay): WSDF, groundfish trawl, through 1970.  
 1-S (Edmonds): WSDF, groundfish trawl, through 1970.  
 2-SS (Drayton Pass; Dana Pass.): WSDF, groundfish trawl, through 1970.  
 2-SS (Eld Inlet): WSDF, groundfish trawl, through 1970.  
 1-SS (Carr Inlet): NMFS, Cobb 68.  
 34-B (Bellingham Bay): WSDF, groundfish trawl, through 1970.  
 1-CS (Apple Cove Point): WSDF, groundfish trawl, through 1970.  
 6-JF (Discovery Bay): WSDF, Commercial Catch Comp., 1966-71.  
 2-E (Holmes Harbor; Saratoga Pass.): WSDF, Commercial Catch Comp., 1966-71.  
 1-E (Bellingham Bay, west of Lummi Island): WSDF, Commercial Catch Comp., 1969-70.  
 1-SS (Carr Inlet): WSDF, Commercial Catch Comp., 1969-70.  
 3-SS (Case Inlet): WSDF, Commercial Catch Comp., 1969-70.  
 13-AI (east of Port Townsend): NMFS, Cobb 35.  
 6-SJ (west of Protection Island): NMFS, Cobb 35.  
 2-JF (Discovery Bay): NMFS, Cobb 35.  
 1-JF (Protection Island to Discovery Bay): NMFS, Cobb 35.  
 1-CS (Poverty Bay): NMFS, Cobb 68.  
 2-E (Saratoga): NMFS, Cobb 68.  
 4-PO (south of Fletcher Bay): NMFS, Cobb 68.  
 1-E (Holmes Harbor): NMFS, Cobb 70.  
 1-SS (Case Inlet, off Wilson Point): NMFS, Cobb 72.  
 1-E (lower Port Susan): NMFS, Cobb 78.  
 2-JF (mid-channel, north of Morse Creek): NMFS, Cobb 90.  
 3-E (north end of Saratoga Pass.): NMFS, Cobb 91.  
 5-E (Holmes Harbor): NMFS, Cobb 91.  
 1-JF (northwest of Dungeness Spit): NMFS, Cobb 92.  
 1-S (off Golden Gardens): NMFS, Cobb 75.  
 1-SS (Carr Inlet): NMFS, Cobb 75.  
 3-E (Everett Harbor): NMFS, Cobb 1/20/61.  
 1-E (Elger Bay): NMFS, Cobb 1/20/61.  
 2-SJ (East Sound): NIH, 1968-71.  
 21-SJ (East Sound, south of Rosario Point): NIH, 1964-66.  
 2-SJ (Argyle Spit): NIH, 1968-71.  
 1-SJ (False Bay): NIH, 1968-71.  
 8-B (Bellingham Bay, off Nooksack River to Marine Drive): NIH, 1968-71.  
 151-S (Golden Gardens to Carkeek Park): NIH, 1968-71.  
 2-S (Duwamish Head to Alki Point): NIH, 1968-71.  
 1-PO (off Fletcher Bay): NIH, 1968-71.  
 2-PO (Clam Bay): NIH, 1968-71.  
 2-HC (Big Beef Harbor): NIH, 69042.  
 3-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.  
 1-S (Henderson Inlet): NIH, 1968-71.  
 43-CS (Port Madison): Van Cleve, trap, 1961-65.



*Parophrys vetulus*

## Pleuronectidae

Miscellaneous Logs

- 8-PO (off Fletcher Bay):  
Van Cleve, trap, 1961-65.
- 82-SS (entrance to Eld Inlet):  
Van Cleve, trap, 1961-65.
- 8-E (Holmes Harbor):  
Van Cleve, trap, 1961-65.
- 1-SS (north part of Pickering Pass.):  
Van Cleve, trap, 1961-65.
- 5-E (Saratoga Pass., west side just south of Penn Cove):  
Van Cleve, trap, 1961-65.
- 1-E (Penn Cove):  
Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Port Angeles embayment):  
Peninsula College, 1971.
- 1-JF (north of Ediz Hook):  
NMFS, Cobb 25.
- 2-JF (lower Sequim Bay):  
Sea Grant, 71110.
- 2-JF (upper Discovery Bay; lower Discovery Bay):  
Sea Grant, 71111.
- 17-GS (tow area 1, mouth of Boundary Bay):  
WSDF, Gulf Georgia, 1969-71.
- 19-GS (tow area 2, off Birch Bay):  
WSDF, Gulf Georgia, 1969-71.
- 20-GS (tow area 3, off Cherry Point):  
WSDF, Gulf Georgia, 1969-71.
- 14-GS (tow area 4, off north of Neptune Beach):  
WSDF, Gulf Georgia, 1969-71.
- 14-GS (tow area 5, north of Alden Bank):  
WSDF, Gulf Georgia, 1969-71.
- 18-GS (tow area 5, southeast of Point Roberts):  
WSDF, Gulf Georgia, 1969-71.
- 6-GS (tow area 7, mid-channel):  
WSDF, Gulf Georgia, 1969-71.
- 4-GS (tow area 8, mid-channel):  
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 9, mid-channel):  
WSDF, Gulf Georgia, 1969-71.
- 1-S (Alki Beach): Bruce Miller, Diving Log, 6/16/67.
- 21-JF (west of Protection Island):  
NMFS, Cobb 2/28/73.
- 1-CS (south of Possession Point):  
NMFS, Cobb 2/28/73.
- 1-S (off south of Carkeek Park):  
Sea Grant, 3/17/71.
- 11-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 5-CP (off Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 5-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).
- 2-GS (beach seine: south of Cherry Point): Sea Grant, 72008.
- 6-GS (south of Cherry Point):  
Sea Grant, 1972.
- 9-S (Duwamish River estuary, 16th Ave. S. to 1st Ave. S. bridge):  
Sea Grant, 1972.
- 9-AI (beach seine: Mutiny Bay):  
Sea Grant, 2-72011; 72014; 5-72015; 72033.
- 1-CS (hand net, one mile south of Fay Bainbridge State Park):  
Sea Grant, 72012.
- 7-CS (beach seine: Seahurst County Park):  
Sea Grant, 72013; 6-72016.
- 6-JF (beach seine: West Beach, Whidbey Island):  
Sea Grant, 72017.
- 11-SS (off Nisqually River to McAllister Creek):  
Sea Grant, 6-72020; 5-72034.
- 21-S (beach seine: Golden Gardens):  
Sea Grant, 5-72022; 4-72023; 4-72027; 8-72032.
- 2-HC (off Big Beef Harbor):  
Sea Grant, 72031.
- 3-CP (off Gig Harbor Spit):  
Sea Grant, 72025.
- 4-HC (off Big Beef Harbor):  
Sea Grant, 72026.
- 1-SS (beach seine: Nisqually Head):  
Sea Grant, 72030.
- 2-B (Bellingham Bay, mid-channel, off Nooksack River Flats):  
Sea Grant, 72035.
- 5-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
- 3-B (Bellingham Bay, east of Eliza Island): Sea Grant, 72035.
- 1-E (east and northeast of Gedney Island):  
NMFS, Streeter, 2/21/73.
- 53-S (beach seine: north side of West Point): Sea Grant, 1973.
- 27-S (beach seine: south side of West Point): Sea Grant, 1973.
- 6-CS (beach seine: north of Meadowdale at Lunds Gulch):  
Sea Grant, 73002.
- 28-S (off northwest side of West Point): Sea Grant, 1973.
- 24-S (off southwest side of West Point): Sea Grant, 1973.
- 8-S (deep otter trawl: off West Point): Sea Grant, 1973.
- 34-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 22-S (southwest of Alki Point):  
Sea Grant, 1973.
- 10-S (deep otter trawl: off southwest of Alki Point):  
Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay):  
Sea Grant, 73008.
- 12-S (Duwamish River estuary, 1st Ave. S. to 16th Ave. S. bridge):  
Sea Grant, 1973.



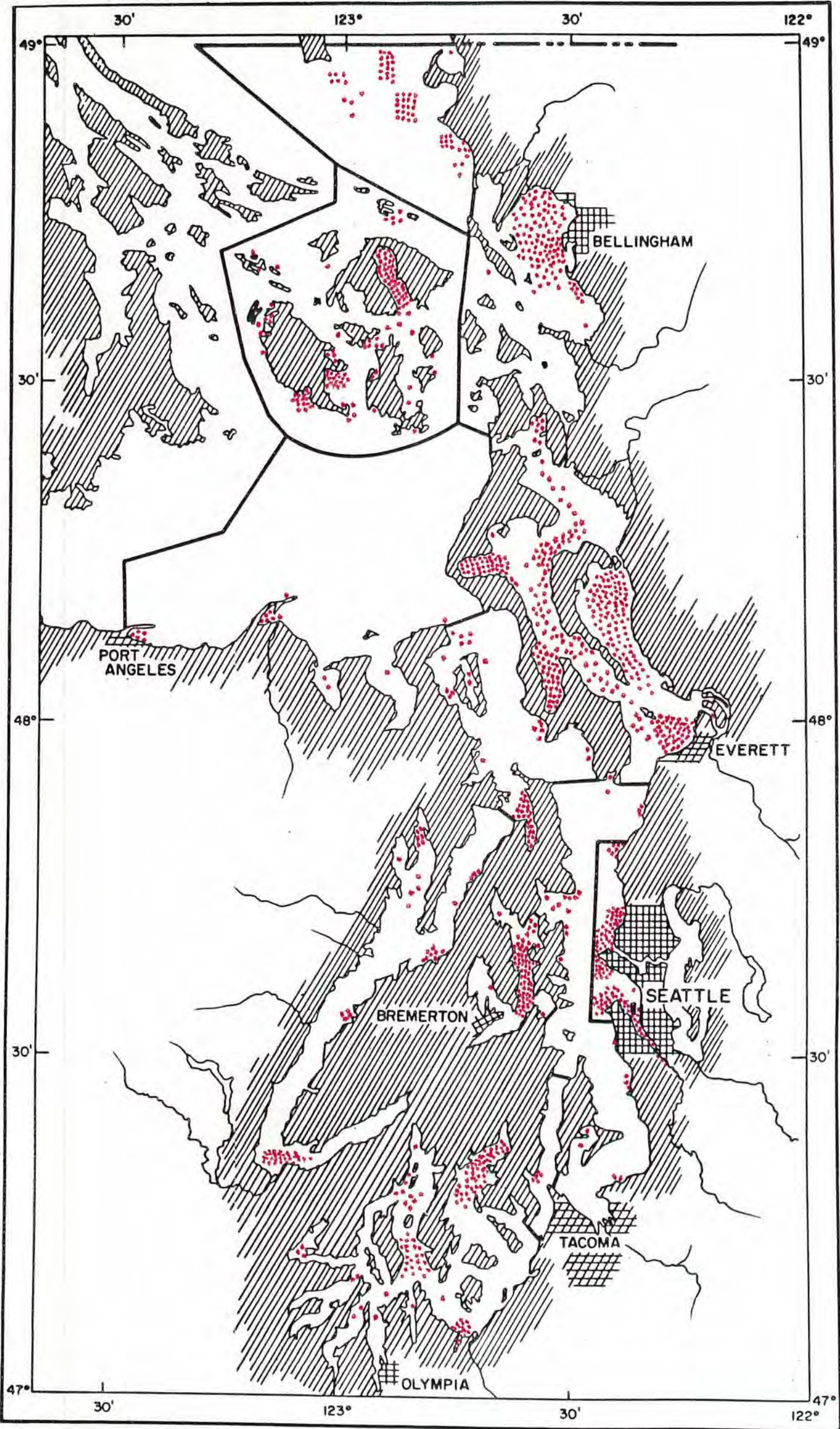
*Parophrys vetulus*

## Pleuronectidae

Miscellaneous Logs

- 2-S (Duwamish River estuary,  
upstream from 16th Ave. S.  
bridge): Sea Grant, 1973.
- 8-S (Duwamish River estuary,  
downstream from 1st Ave. S.  
bridge): Sea Grant, 1973.
- 10-SS (off Nisqually River-  
McAllister Creek Flats):  
Sea Grant, 1973.
- 1-SS (McAllister Creek estuary):  
Sea Grant, 1973.
- 6-HC (off southwest of Big Beef  
Harbor): Sea Grant, 1973.
- 3-B (Bellingham Bay, off Nooksack  
River flats): Sea Grant, 73032.
- 9-B (beach seine: Wildcat Cove):  
Sea Grant, 1973.
- 6-SS (McLane Cove toward Stretch  
Island): Sea Grant, 1973-74.
- 8-SS (west side of Dougall Point):  
Sea Grant, 1973.
- 18-SS (mid-channel, McLane Cove to  
Stretch Island):  
Sea Grant, 1973-74.
- 13-HC (off Union):  
Sea Grant, 1973-74.
- 12-HC (mid-channel, off Union):  
Sea Grant, 1973-74.
- 18-HC (off Skokomish Flats):  
Sea Grant, 1973-74.
- 9-HC (mid-channel, off Skokomish  
Flats): Sea Grant, 1973-74.
- 4-HC (beach seine: just north of  
Vinland): Sea Grant, 73038.
- 1-HC (off Carlson Point to King  
Spit): Sea Grant, 73039.
- 3-AI (Mutiny Bay):  
Sea Grant, 73049.
- 1-HC (Bangor Annex): Kramer, Chin,  
and Mayo NCEL Survey, 1973.
- 1-CS (in Appletree Cove):  
Doug Olander, Sport Catch Log,  
1972-73.
- 9-SS (Cormorant Pass.):  
Sea Grant, 73059 and 73060.
- 5-SS (Tatsolo Point):  
Sea Grant, 73059.
- 2-E (Holmes Harbor): NMFS, Cobb 68.







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## Pleuronectidae

Published Records

- 1-JF (beach seine: Port Angeles):  
Gilbert, 1895.
- 1-PS: Jordan and Starks, 1896.
- 1-AI (Port Ludlow): Starks, 1896b.
- 1-PS: Jordan, 1887.
- 2-AI (Kilisut Harbor; Marrowstone Point):  
Evermann and Goldsborough, 1907.
- 1-SJ: Starks, 1911.
- 1-PS: Norman, 1934.
- 1-SJ: Shelford et al., 1935.
- 1-HC (Holly):  
Schultz and DeLacy, 1935-36.
- 1-GS: Smith, 1936.
- 9-B (Bellingham Bay): Smith, 1936.
- 4-E (Coupeville): Smith, 1936.
- 1-E (Oak Harbor): Smith, 1936.
- 2-JF (Sequim Bay; Discovery Bay):  
Smith, 1936.
- 1-HC (Dabob Bay): Smith, 1936.
- 1-E (Kiket Island):  
Stober and Salo, 1970b.
- 2-E (Skagit and Similk Bays):  
Stober and Salo, 1970b.
- 1-E (beach seine: Kiket Island):  
Stober and Salo, 1970a.
- 5-E (Similk Bay):  
Stober and Salo, 1970a.
- 2-E (Skagit Bay):  
Stober and Salo, 1970a.
- 16-S (Duwamish River estuary):  
Salo, 1969.
- 1-S (Duwamish Head): Salo, 1969.
- 21-E (Port Gardner): Salo, 1969.
- 7-E (Skagit Bay): Salo, 1969.
- 1-SJ (San Juan Island):  
Weiss, 1969.
- 1-SJ (Friday Harbor): Lloyd, 1936.
- 50+-B (Bellingham Bay):  
DiDonato, 1969.
- 1+-B (Bellingham Bay, north of Eliza Island): Tyler, 1964.
- 5-B (Bellingham Bay):  
McArn et al., 1968.
- 2-E (Port Susan; Port Gardner):  
McArn et al., 1968.
- 4-CS (beach seine: south side of Point Jefferson): Kendall, 1966.
- 17-S (beach seine: Golden Gardens):  
Kendall, 1966.
- 1-S (Shilshole Bay):  
Townsend, 1935.
- 1-JF (Dungeness Spit):  
Townsend, 1935.
- 1-GS (Semiamoo Bay):  
Townsend, 1935.
- 2-CS (Dumas Bay): Miller, 1971b  
(also NIH, 71105 and 71106).
- 3-CS (Seahurst County Park):  
Miller, 1971a (also boat 7113 and NIH, 71101).
- 50+-E (sport catch: Port Susan, Port Gardner and Saratoga Pass.):  
Haw and Buckley, 1971.
- 1-HC (Anderson Cove): Chew, 1970.
- 4-HC (fyke net: Big Beef Harbor):  
Anderson and Chew, 1972.
- University of Washington  
Museum Collection
- 1-S (Seattle): 837.
- 1-SJ (False Bay): 1088.
- 1-SJ (Davis Bay): 1192.
- 2-S (Alki Point): 1922; 4879.
- 1-SJ (Squaw Bay): 2177.
- 1-S (beach seine: Edmonds): 4387.
- 1-S (beach south of Ballard Locks):  
4402.
- 1-CS (Fauntleroy): 4463.
- 4-S (Edmonds Beach):  
4474; 5514; 5520; 4911.
- 2-S (North Beach): 4494; 4632.
- 1-S (beach seine: spit near Ballard Locks): 4609.
- 1-E (Snohomish Slough): 4960.
- 1-E (Saratoga Pass., Watsak Point):  
5212.
- 1-PO (Agate Pass., north of buoy N4): 5830 (also boat 5020B).
- 1-E (off Mission Bar):  
5875 (also boat 5023E).
- 1-CS (mouth of Port Madison): 6084.
- 1-PO (Liberty Bay): 8315.
- 2-SJ (East Sound): 10644; 18669.
- 1-SJ (near False Bay): 10648 (also Friday Harbor Log, 8/4/52-1).
- 1-SJ (Westcott Bay near White Point): 14868.
- 1-CS (beach seine: Cultus Bay):  
16619 (also boat 5217).
- 1-JF (slough near Dungeness River mouth): 16912.
- 11-S (beach seine: Golden Gardens):  
6005 (also boat 5021A); 5940 (also boat 5032.1A); 5906 (also boat 5032.1C); 5917 (also boat 5032.1E); 3580; 8832 (also boat 5007D); 8894 (also boat 5010A); 10652 (also boat 5108A); 14865 (also boat 5108B); 14866 (also boat 5208B); 14867 (also boat 5209D).
- 1-S (Ballard Locks tidepool): 5113.
- 1-S (Carkeek Park): 6065.
- 1-SJ (Fisherman Bay): 6204.
- 3-S (Golden Gardens):  
8274; 8859; 16737.
- 1-S (beach seine: Carkeek Park):  
12740 (also boat 5708C).
- 1-HC (beach seine: Quilcene Bay):  
14734.
- 1-S (one mile south of Duwamish Head): 16576.
- 1-PO (off Fletcher Bay): 17116.
- 1-SJ (Upright Channel): 17213 (also Friday Harbor log, 7/5/63).
- 1-SJ (mid East Sound): 18644 (also Friday Harbor log, 6/5/64).
- 1-HC (Anderson Creek): 18720.



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## Pleuronectidae

Friday Harbor Laboratory Log

- 5-SJ (West Sound):  
6/23/51; 6/26/61; 6/27/63-B;  
6/20/69-2; 7/6/71-2.
- 10-SJ (East Sound): 6/28/51-2;  
8/11/52; 7/6/60-2; 7/26/60;  
8/13/60-1; 6/20/61; 5/11/62;  
6/20/63; 6/29/71-1; 7/6/71-1.
- 4-SJ (lower East Sound):  
7/28/55-2; 8/11/55-3; 6/20/50-2  
(also boat 5033I); 6/26/73-1.
- 2-SJ (Garrison Bay):  
7/19/51-3; 6/25/55-3.
- 2-B (Bellingham Bay):  
7/26/51-2; 6/22/55.
- 1-SJ (Rosario, East Sound):  
6/24/52-2.
- 1-SJ (east of Cattle Point):  
7/7/52-4.
- 1-SJ (Reid Harbor, Stuart Island):  
7/9/52-2 (also boat 5220H).
- 1-SJ (Fish Creek): 7/21/52-1.
- 1-SJ (Roche Harbor): 8/19/52.
- 16-SJ (False Bay): 8/4/52-2;  
7/17/50-1; 8/5/60; 6/29/61;  
7/26/61; 8/8/61; 6/21/63;  
7/1/69-1,6,8,9,10,11,12,14,15.
- 1-SJ (Friday Harbor): 6/21/55-1.
- 1-SJ (East Sound or West Sound):  
7/25/55.
- 1-SJ (Ogden Park, Upright Channel):  
8/1/55.
- 1-SJ (Trump Island to Decatur Head):  
8/11/55-2.
- 14-SJ (Argyle Bay):  
8/16/55-1,2,4; 7/15/60-2;  
8/11/60-3,4; 6/22/61; 6/23/61;  
7/8/61; 7/12/61-3; 7/18/61-2;  
8/3/61; 7/15/63; 7/10/69-4.
- 1-SJ (outside False Bay):  
8/17/55-2.
- 1-SJ (Johns Island): 7/10/50-2.
- 1-SJ (Satellite Island):  
7/10/50-5,6.
- 1-SJ (west of Goose Island):  
7/13/50-4.
- 1-SJ (west of Decatur Head):  
7/24/50-1.
- 1-SJ (west of Armitage Island):  
7/24/50-8.
- 1-SJ (south of Neck Point):  
8/14/50-1.
- 1-SJ (West Sound and Lopez Sound):  
6/27/60.
- 1-SJ (White Beach): 8/16/60-4.
- 6-SJ (Argyle Lagoon):  
7/15/60-3; 8/11/60-1; 7/12/61-2;  
7/10/69-2,3; 7/9/73.
- 1-SJ (Friday Harbor Lab): 7/19/60.
- 2-SJ (Squaw Bay):  
8/1/60-1; 7/10/61-1.
- 2-SJ (Upright Head to Olga):  
8/1/60-2; 7/10/61-2.
- 2-SJ (Mitchell Bay):  
8/16/60-1; 7/17/61-2.
- 2-SJ (North Bay): 8/18/60-1,2.
- 1-SJ (McArdle Bay): 8/22/60-3.

- 1-SJ (Smallpox Bay): 7/13/61.
- 1-SJ (Mosquito Pass.): 7/17/61-1.
- 1-SJ (Lopez Sound): 7/28/61.
- 1-SJ (East Sound and Lopez Sound):  
7/11/63.
- 1-SJ (Cattle Point): 8/6/61.
- 1-SJ (San Juan Island): 5/62.
- 6-SJ (mid East Sound):  
1/17/64; 2/21/64; 4/3/64;  
7/11/64; 6/20/69-1; 6/21/71-1.
- 1-SJ (Squaw Bay or West Sound):  
6/30/67.
- 1-SJ (Squaw-Ogden): 6/27/69.
- 1-SJ (Upright Head to Foster Point):  
6/26/73-2.

University of Washington Boat Log

- 1-SJ (north end of East Sound):  
491M.
- 1-SJ (West Sound): 5033L.
- 2-SJ (East Sound): 5033M; 6512I.
- 1-SJ (beach seine: Fisherman Bay):  
50330.
- 1-SJ (Lopez Sound, west of Ram  
Island): 5033R.
- 17-SJ (training cruise area: East  
Sound, north of Rosario Point):  
6507H; 6517H; 6603H; 6614H;  
6620H; 6630H; 6717H; 6815H;  
6819H; 6908H; 6914H; 7010H;  
7017H; 7110H; 7118H; 7307H;  
7313H.
- 1-B (east of Point Frances): 491J.
- 2-B (Bellingham Bay): 6715G; 6822G.
- 19-B (training cruise area:  
southwest of Post Point):  
6507G; 6517G; 6603G; 6614G;  
6620G; 6630G; 6722G; 6826G;  
6815G; 6819G; 6908G; 6914G;  
7010G; 7017G, G.1; 7110G; 7118G;  
7307G; 7313G.
- 1-E (off Mission Beach): 5023F.
- 3-E (Port Susan, off Warm Beach):  
5023A, B, C.
- 1-E (Penn Cove mouth, off Long Point  
to Snatelum Point): 5213A.
- 4-E (Penn Cove, off Coupeville to  
off Lovejoy Point):  
5213B, C; 5316J; 5418E.
- 7-E (Holmes Harbor, off Rocky Point  
to Dines Point):  
5234C; 5307A, B, K, Q, S; 5312I.
- 8-E (Holmes Harbor, off Dines Point  
to Classic): 5305C, D; 5307I, J;  
5312G, J, K; 5405H.
- 21-E (Holmes Harbor): 5305I; 5307V;  
5312M; 5325A, C, D; 5327A, B; 5330A,  
M; 5405A, B, C; 5420A, B, C; 5522D, E;  
5604I; 5703E, G.
- 16-E (Holmes Harbor, south of  
Classic): 5307G, H, M, N, O, P, T;  
5312B, C, D, L; 5316D, E, M, N; 5321Y.
- 3-E (beach seine, Good Beach, Penn  
Cove): 5316F, G, H.



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## Pleuronectidae

University of Washington Boat Log

- 4-E (Saratoga Pass., Onamac Point to Indian Beach): 5321L; 5405L,M,N.  
 1-E: 5712B.  
 10-E (Penn Cove): 5405I,J,K; 5420D, E,G; 5509K,L; 5810F; 5327G.  
 4-E (Elger Bay): 54050,P,Q; 7112.  
 1-E (Holmes Harbor or Penn Cove): 6117L.  
 1-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5712C.  
 1-E (Saratoga Pass., off Cama Beach to Lowell Point): 5712D.  
 1-E (training cruise area: Saratoga Pass., north of Langley): 7017D.  
 1-E (training cruise area: off Penn Cove): 7110E.  
 1-AI (training cruise area: east of north Marrowstone Island): 6603J.  
 1-HC (off Sister Point): 499G.  
 1-HC (Anderson Cove): 7009C.  
 3-HC (Dabob Bay): 7102A,H,O.  
 6-HC (Dabob Bay, Broad Spit to Long Spit): 7202D,G; 7303A,B,C,D.  
 1-CS (Port Madison): 7011C.  
 1-CS (Port Madison, off Miller Bay): 5006C.  
 1-CS (off Cultus Bay): 5032.  
 1-CS (head of Quartermaster Harbor): 5042B.  
 1-CS (mid Quartermaster Harbor): 5042C.  
 1-CS (beach seine: south of Fay Bainbridge State Park): 5806A.  
 1-CS (Murden Cove): 4/4/73B.  
 1-PO (south part of Agate Pass.): 5011C.  
 2-PO (Agate Pass., buoy N4-N6): 5106E; 5315C.  
 53-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5206B; 5207D,E; 5301A,B; 6202.5; 5302BB; 5306A; 5309A; 5323A; 5404.1; 5410; 5422A; 5504; 5507; 5602B; 5707A,B,G,H; 5709C; 5711A; 5809A; 5901AK; 5904A,B,C; 5905A; 5906A; 5907A; 5912A; 5915B; 5919B; 5922A; 5924B; 6001AN; 6003A; 6006A,B; 6008A; 6011A; 6016A1,B1,A2,32,B3,A4,B5; 6101A; 6109A; 6111A; 6205D1,2.  
 8-PO (off Fletcher Bay): 6320C; 6403AF; 6425; 6427A; 6504; 6504.5; 6507K; 6707.  
 5-PO (off south of Fletcher Bay): 5229C; 5503B; 5801A; 6016B4; 6118A.  
 1-PO (off Battle Point and north): 5310.1A.  
 8-PO (off Manzanita to Seabold): 5310.2A,B,D,.4A,.5B,E; 6215A,B.  
 1-PO (in Manzanita Bay): 5310.3C.  
 1-PO (beach seine: south of Agate Pass. Bridge, probably west side): 5315A.  
 4-PO ("B-2" to "B-1"): 5526A; 6205C1,C2,C3.  
 22-PO (most off Fletcher Bay): 5812B; 5926B; 6002A; 6007A,B; 6009A; 6713E; 6214; 6305.2; 6419; 6515-2; 6713A; 6715; 6916D; 7011A,B; 7104-1; 7105-1,2; 7107A, B; 7302A.  
 4-PO (beach seine: one mile north of Illahee Dock): 6205A1.1,1.2,2.1,3.2.  
 1-PO (Brownsville to White Point): 6806A.  
 1-PO (off Seabold Wharf): 6617A.  
 228-S (beach seine: Golden Gardens to Meadow Point): 492E; 5001; 5010B,C; 5012B; 5013; 5015A,B; 5016A,C,D; 5018A; 5019B,C; 5021F, H; 5024A; 5030B; 5036A; 5040A; 5047A,B,C; 5105A; 5108C; 5110H; 5112F; 5114A,B,C,D; 5116B,C1,C2, D2,E,F; 5129B; 5134A,B; 5137A,B; 5208D; 5209A,B,C; 5214A1,A2,B,C, D1,D2,E,F1,F2; 5215U,A,C,E,G,H,I, J,L,N; 5308A,B; 5314D; 5320A; 5322A; 5328A; 5329E; 5404A; 5406; 5407; 5409; 5411A,B,C; 5412A,B,C, D,E; 5414A,D,F; 5415A,D,F,I,J,M, B,G,K,P; 5419; 5424A,B; 5505A,B, C,D,E,F; 5508A,C,D; 5510A,B,E,F; 5513B,C,D; 5514A,B,C,D; 5609A,B; 5612A; 5706A,B,C; 5710A,B,C; 5804A,B; 5807A; 5909C,D,E; 5913A, B; 5914A,B,C; 5920L,M,N; 5925A,B; 6014A,B,C; 6019A,B; 6110; 6113A, B,C; 6115A,B; 6116A,B,C; 6207A,B, C; 6210C; 6211; 17-6309; 13-6310; 6311B,C; 6319; 6410A,C; 6411A; 6-6417; 6508A,C,D; 6509A; 6511A, C,D; 6513A; 6518A,B; 6708A,C; 6709A,B,C; 6711A2,B2,C2; 6716A; 7209A,B,D.  
 1-S (beach seine: north side of Meadow Point): 6513B.  
 10-S (beach seine: Alki Point to Duwamish Head): 10-6619.  
 19-S (beach seine: Carkeek Park): 5022A; 5219A,B; 5220A,C; 5221A,B, C; 5225B; 5231A; 5311A,B; 5313A, B,C,D; 5708D; 5808A,B.  
 9-S (off Golden Gardens to Meadow Point): 5110F; 5329A,D; 5907C; 5924C; 6010B,D; 6018A; 6206A.  
 2-S (1/2 mile west of Duwamish Head): 6615A,B.  
 7-S (beach seine: north side of West Point): 7310A2,A3,B1,B2,B3; 7311A,C.  
 1-SS (beach seine: mainland opposite Stretch Island): 7/20/49-2.  
 24-SS (Carr Inlet, off Minter Creek to Elgin): 7/19/49-1; 5045D,E, EE,G,J; 5046C; 5101C; 5102C; 5104V; 5126D,F; 5133F; 5135A,B,D; 5201G,P; 5213F; 5227D,E,F,G,I.



*Platichthys stellatus*

## Pleuronectidae

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- 1-SS (Carr Inlet, east side of Cutts Island): 5037F.  
 9-SS (Carr Inlet, off Wauna): 5037I; 5045I; 5101A; 5104E,F,W; 5126L; 5227A,C.  
 15-SS (Carr Inlet, off Glen Cove to off Raft and Cutts Islands): 5045A,B,C; 5101E; 5104AA; 5126M; 5201A; 5204B,D,M,N; 5227B; 5613G, H,I.  
 3-SS (Oakland Bay, off Shelton): 5115A,B,C.  
 2-SS (Totten Inlet, off Windy Point to Steamboat Island): 5115D; 5204I.  
 1-SS (trap, Eld Inlet, one mile northeast of Flapjack Point): 5115E.  
 1-SS (beach seine: Carr Inlet, one mile north of Minter Creek): 5126E.  
 1-SS (Case Inlet, off Victor): 5126G.  
 1-SS (Case Inlet, west of Herron Island): 5126H.  
 1-SS (off McLane Cove to Stretch Island): 5201L.  
 1-SS (Dana Pass., Brisco Point to Dofflemeyer Point): 5204H.  
 1-SS (northwest end of Nisqually Reach): 5204J.  
 1-SS (beach seine: Carr Inlet, just south of Minter Creek): 5227H.  
 7-SS (Carr Inlet): 5522A; 5605A,B,D; 5703A,C,D.  
 3-SS (Case Inlet): 5613J,K,L.  
 1-SS (Carr Inlet, Glenn Cove to Green Point): 6724B-2.  
 1-SS (Case Inlet, east of Hartstene Island): 6724C.

Miscellaneous Logs

- 50+-AI (Port Gamble): Bill High, Diving, personal communication, 10/22/63.  
 3-AI (Hadlock): Bill High, Diving, personal communication, 10/22/63.  
 13-B (Bellingham Bay): FRI, Tyler Data Sheets, 1965.  
 1-SJ (East Sound): A.C. DeLacy, personal communication, 6/20/69.  
 4-S (West Point to Magnolia): Metro, 1963-70.  
 10+-S (beach seine: Duwamish River estuary): Metro, 1963-70.  
 238-S (Duwamish River estuary): Metro, 1966-70.  
 1-E (Skagit and Similk Bay): WSDF, Sport Fish., 1965-70.  
 3-E (Everett): WSDF, Sport Fish., 1965-70.  
 3-HC: WSDF, Sport Fish., 1965-70.  
 18-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.

- 50+-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.  
 50+-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.  
 30-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.  
 18-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.  
 24-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.  
 6-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.  
 1-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.  
 21-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-68.  
 14-E (Port Susan): U.W. Ocean., Hoh, 1963-68.  
 16-E (Penn Cove): U.W. Ocean., Hoh, 1963-68.  
 14-E (off Demock Point to Utsalady Point): U.W. Ocean., Hoh, 1963-67.  
 5-E (Saratoga Pass., Demock Point): U.W. Ocean., Hoh, 1963-67.  
 11-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.  
 1-SS (Case Inlet, Taylor Bay to Whiteman Cove): U.W. Ocean., Commando, 1968.  
 1-PO: U.W. Ocean., Commando, 1968.  
 1-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.  
 5-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.  
 2-AI (Useless Bay): U.W. Ocean., Hoh, S.J., 1966.  
 1-AI (Port Townsend Bay): U.W. Ocean., Hoh, S.J., 1966.  
 2-B (Samish Bay; Bellingham Bay): U.W. Ocean., Hoh, S.J., 1966.  
 2-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.  
 8-E (Penn Cove): U.W. Ocean., Hoh, S.J., 1966.  
 3-E (Utsalady): U.W. Ocean., Hoh, S.J., 1966.  
 3-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.  
 4-E (Port Gardner Bay): U.W. Ocean., Hoh, S.J., 1966.  
 3-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.  
 3-SS (Case Inlet): WSDF, Commercial Catch Comp., 1966-71.  
 1-B (west of Lummi Island): WSDF, Commercial Catch Comp., 1966-71.  
 5+-SJ (Sucia Island): Allyn Johnson, Sport Catch, 1972.  
 4-AI (east of Port Townsend): NMFS, Cobb 35.  
 1-B (Eliza Island): NMFS, Cobb 68.  
 1-SS (Carr Inlet, off north of Glen Cove): NMFS, Cobb 72.



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## Pleuronectidae

Miscellaneous Logs

- 23-SJ (East Sound, south of Rosario Point): NIH, 1964-66.  
 3-SJ (East Sound): NIH, 1968-71.  
 2-SJ (Argyle Spit): NIH, 1968-71.  
 3-SJ (False Bay): NIH, 1968-71.  
 19-B (Bellingham Bay, off mouth of Nooksack River to Marine Drive): NIH, 1968-71.  
 41-S (Golden Gardens to Carkeek Park): NIH, 1968-71.  
 1-PO (Clam Bay): NIH, 1968-71.  
 2-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.  
 2-SS (Henderson Inlet; Budd Inlet): NIH, 1968-71.  
 1-SS (entrance to Eld Inlet): Van Cleve, trap, 1961-65.  
 3-E (Holmes Harbor): Van Cleve, trap, 1961-65.  
 2-E (west side of Saratoga Pass, just south of Penn Cove; Penn Cove): Van Cleve, trap, 1961-65.  
 2+-AI (off Port Gamble): Bill High, Diving, personal communication, 8/2/71.  
 1-AI (south side of Point Wilson): Bill High, Diving, personal communication, 8/2/71.  
 1-JF (north side of Point Wilson): Bill High, Diving, personal communication, 8/2/71.  
 5-JF (beach seine: Dungeness embayment): Peninsula College, 1971.  
 4-JF (beach seine: Port Angeles embayment): Peninsula College, 1971.  
 1-JF (Sequim Bay): Battelle, 1967-69.  
 20-GS (tow area 1, mouth of Boundary Bay): WSDF, Gulf Georgia, 1969-71.  
 19-GS (tow area 2, off Birch Bay): WSDF, Gulf Georgia, 1969-71.  
 1-SJ (Waldron Island): Bruce Miller, Diving Log, 8/23/65.  
 9-GS (tow area 3, off Cherry Point): WSDF, Gulf Georgia, 1969-71.  
 3-GS (tow area 4, off north of Neptune Beach): WSDF, Gulf Georgia, 1969-71.  
 4-GS (tow area 6, southeast of Point Roberts): WSDF, Gulf Georgia, 1969-71.  
 1-GS (tow area 7, mid-channel): WSDF, Gulf Georgia, 1969-71.  
 2-GS (tow area 8, mid-channel): WSDF, Gulf Georgia, 1969-71.  
 1-GS (tow area 9, mid-channel): WSDF, Gulf Georgia, 1969-71.  
 1-SJ (Friday Harbor): Bruce Miller, Diving Log, 6/63.  
 1-SJ (East Sound): Bruce Miller, Diving Log, 6/26/66.  
 3-S (Alki Point; Golden Gardens; Carkeek Park): S.L. Ralston, Diving Log, 1971.  
 5-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).  
 1-GS (beach seine: south of Cherry Point): Sea Grant, 72008.  
 4-GS (south of Cherry Point): Sea Grant, 1972.  
 8-S (Duwamish River estuary, 16th Ave. S. bridge to 1st Ave. S. bridge): Sea Grant, 1972.  
 2-B (northern Bellingham Bay): Sea Grant, 72004.  
 1-CS (hand net: one mile south of Fay Bainbridge State Park): Sea Grant, 72012.  
 4-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 1972.  
 1-PO (beach seine: Dyes Inlet at Tracyton launch ramp): Sea Grant, 72018.  
 7-SS (beach seine: Nisqually Head): Sea Grant, 1972.  
 6-S (beach seine: Golden Gardens): Sea Grant, 1972.  
 1-HC (off Big Beef Harbor): Sea Grant, 72026.  
 1-HC (beach seine: below and above bridge at Big Beef Harbor): Sea Grant, 72028.  
 1-B (beach seine: Wildcat Cove): Sea Grant, 72029.  
 1-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 72034.  
 3-B (Bellingham Bay, mid-channel off Nooksack River Flats): Sea Grant, 72035.  
 35-S (beach seine: north side of West Point): Sea Grant, 1973.  
 26-S (beach seine: south side of West Point): Sea Grant, 1973.  
 3-CS (beach seine: north of Meadowdale at Lunds Gulch): Sea Grant, 73002.  
 1-S (off northwest side of West Point): Sea Grant, 1973.  
 5-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.  
 4-PO (off south of Fletcher Bay): Sea Grant, 73008.  
 12-S (Duwamish River estuary, 1st to 16th Ave. S. bridge): Sea Grant, 1973.  
 3-S (Duwamish River estuary, upstream from 16th Ave. S. bridge): Sea Grant, 1973.  
 2-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.  
 9-SS (McAllister Creek estuary): Sea Grant, 1973.  
 2-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.

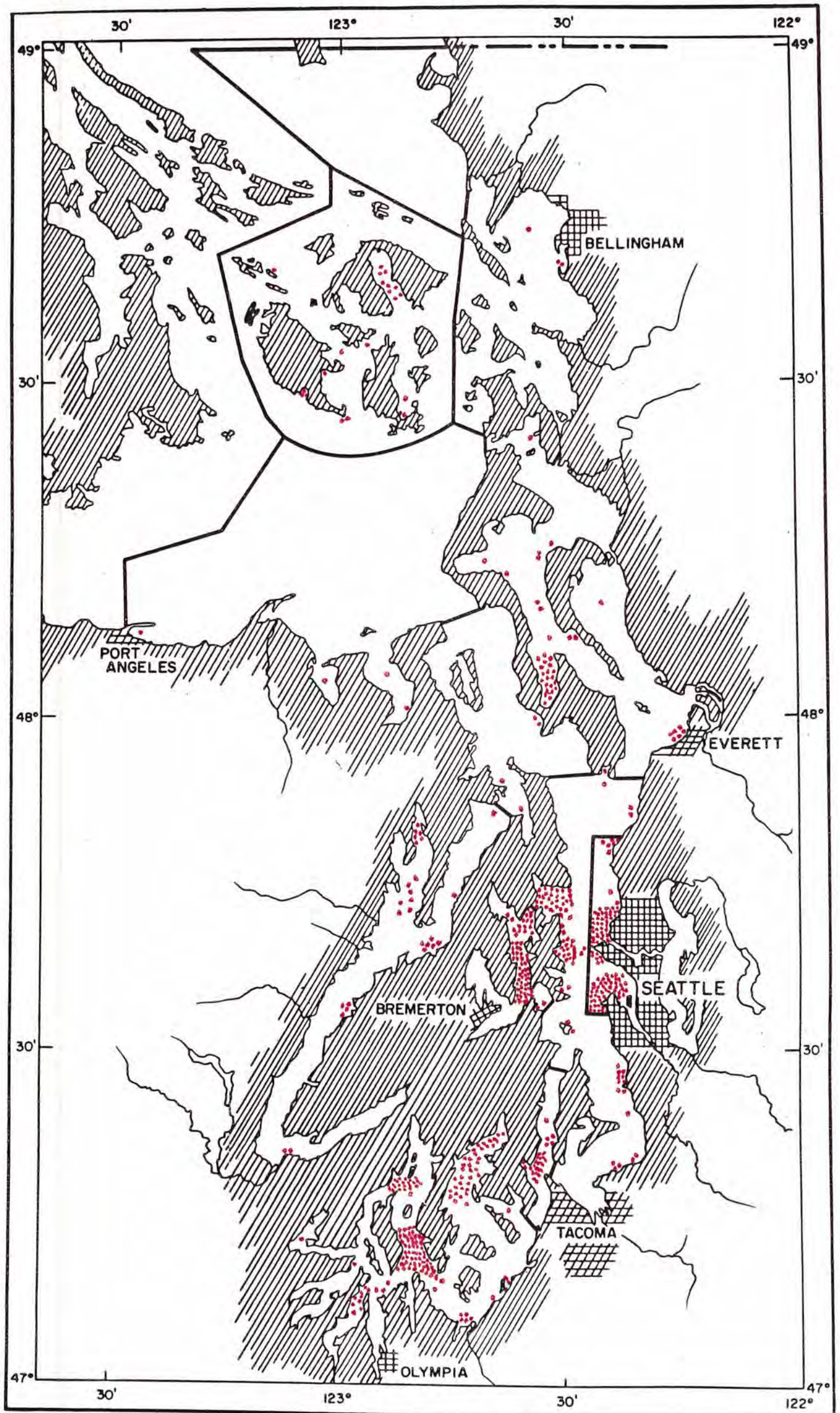
*Platichthys stellatus*

## Pleuronectidae

Miscellaneous Logs

- 1-AI (Mutiny Bay):  
Sea Grant, 73049.
- 3-HC (beach seine: above bridge at  
Big Beef Creek):  
Sea Grant, 1973.
- 3-B (off Nooksack Flats):  
Sea Grant, 73032.
- 7-B (beach seine: Wildcat Cove):  
Sea Grant, 1973.
- 1-SS (north of Stretch Island  
bridge): Steve Borton, personal  
communication, 4/12/73.
- 1-SS (mid-channel, McLane Cove to  
Stretch Island): Sea Grant, 1974.
- 15-HC (off Union):  
Sea Grant, 1973-74.
- 19-HC (off Skokomish Flats):  
Sea Grant, 1973-74.
- 3-HC (beach seine: north of  
Vinland): Sea Grant, 73038.
- 1-HC (beach seine: Bangor Annex):  
Kramer, Chin and Mayo NCEL  
Survey, 1973.







*Pleuronichthys coenosus*

## Pleuronectidae

Published Records

- 1-PS: Jordan and Gilbert, 1882.  
 1-CS (Port Madison): Jordan, 1887.  
 1-SJ: Starks, 1911.  
 1-SJ (San Juan Channel, Friday Harbor):  
 Wismer and Swanson, 1935.  
 1-SJ: Norman, 1934.  
 1-SJ: Starks and Thompson, 1911.  
 1-HC (Holly):  
 Schultz and DeLacy, 1935-36.  
 1-B (Bellingham Bay): Smith, 1936.  
 1-E (Coupeville): Smith, 1936.  
 1-JF (Sequim Bay):  
 Smith, 1936 (also museum 3886).  
 1-AI (Port Gamble): Smith, 1936.  
 2-HC (Bangor; Dabob): Smith, 1936.  
 1-SS (Hale Pass.): Smith, 1936.  
 1-E (Kiket Island):  
 Stober and Salo, 1970b.  
 41-S (Duwamish Head): Salo, 1969.  
 2-CS (beach seine: south side of Point Jefferson): Kendall, 1966.  
 2-S (beach seine: Golden Gardens): Kendall, 1966.  
 1-S (Seattle Harbor):  
 Townsend, 1935.  
 2-E (Saratoga Pass.; Holmes Harbor):  
 Townsend, 1935.  
 3-CS (Dumas Bay): Miller, 1971b (also NIH 71105 and 71106).  
 7-CS (Seahurst County Park):  
 Miller, 1971a (also boat 7113 and NIH 71101).  
 2-HC (Anderson Cove): Chew, 1970.  
 206-PO (south of Fletcher Bay):  
 Cooney, 1967 (also U.W. Ocean., P.O., 1964-65).

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Museum Collection

- 6-S (Alki Point):  
 803; 870; 1922; 3694; 4880; 4905.  
 2-S (Bellingham Bay, south end of Chuckanut Island): 3840; 3866.  
 1-S (beach seine: Alki Point):  
 4517.  
 1-S (beach seine: spit near Ballard Locks): 4610.  
 3-S (North Beach):  
 4633; 5224; 5385.  
 1-CS (beach seine: Redondo Beach):  
 4732.  
 1-CS (Indianola, Port Madison):  
 6126.  
 2-S (beach seine: Golden Gardens):  
 6009 (also boat 5021F); 10375.  
 1-S (Carkeek Park):  
 6000 (also boat 5022B).  
 4-S (Edmonds Beach):  
 4920; 5487; 5508; 5521.  
 1-CS (Redondo Beach): 5126.  
 1-CS (beach seine: Cultus Bay):  
 16618 (also boat 5217A).  
 1-S (Ballard): 16722.

- 1-S (off Golden Gardens): 16725.  
 1-PO: 16844.  
 2-S (Golden Gardens): 16847; 16929.

Friday Harbor Laboratory Log

- 1-SJ (Reef Bay, northeast side Johns Island): 7/5/51-1.  
 1-SJ (east of Cattle Point):  
 7/7/52-4.  
 1-SJ (Mud Bay): 8/15/55-3.  
 3-SJ (False Bay):  
 8/5/60; 6/29/61; 6/21/63.  
 1-SJ (Argyle Bay): 7/15/63.  
 1-SJ (mid East Sound): 1/17/64.  
 1-SJ (Cattle Point): 6/23/67-1.  
 1-SJ (Squaw Bay or Ogden Park):  
 6/27/69.

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- 3-SJ (training cruise area: East Sound, north of Rosario Point):  
 6603H; 6620H; 7118H.  
 1-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7118I.  
 1-E (Port Susan, off Warm Beach):  
 5023A.  
 5-E (off Dines Point to Classic):  
 5305C,D; 5307I,J; 5312K.  
 6-E (Holmes Harbor):  
 5305M; 5307V; 5604D,E,H,I.  
 3-E (Holmes Harbor, off Rocky Point to Dines Point): 5307A,B,Q.  
 2-E (Holmes Harbor, south of Classic): 5307M,N.  
 2-E (Saratoga Pass., off Onamac Point to Indian Beach): 5405M,N.  
 2-E (Elger Bay): 5405O,P.  
 1-AI (off White Rock): 499K.  
 1-HC (Shine ferry crossing):  
 12/28/48-1.  
 1-HC (Dabob Bay, off Tabook Point):  
 499I.  
 6-HC (Dabob Bay, Broad Spit to Long Spit):  
 6629D; 6702D; 7202D,G,H,I.  
 1-HC (Anderson Cove): 7009C.  
 5-HC (Dabob Bay): 7102E,G,K,N,O.  
 13-CS (Port Madison): 1/22/49-2,4,  
 5; 2/5/49-1; 2/22/49-1;  
 3/25/49-3; 6/30/49; 492A; 5006C;  
 5043A; 5131B; 6203A; 6204B.  
 2-CS (off Port Madison):  
 5006E; 5043C.  
 1-CS (off Cultus Bay): 5032A.  
 1-CS (north of Des Moines): 5224A.  
 1-CS (off Agate Pass., Port Madison): 5232A.  
 1-CS (off Fay Bainbridge State Park): 5805A.  
 2-CS (beach seine: south of Fay Bainbridge State Park): 5806A,B.



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## Pleuronectidae

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26-CS (Murden Ccve):  
 6610A,C,D; 6613A,B; 6706B; 6710A;  
 6713C,G,H; 6806B; 6809A; 6812B,C;  
 6823-3; 6906A,B,C,D,E; 6912;  
 7108A,B,C,D; 7308A.  
 1-CS (off Murder Cove): 6710A2.  
 1-CS (trap: Port Madison): 6213.  
 1-CS (trap: Blake Island): 6217-4.  
 1-CS (training cruise area: mid-channel Skiff Point to West Point): 6914B.  
 9-PO (Agate Pass., buoy N4-N6):  
 2/22/49-3; 3/25/49-3; 5006A;  
 5048A; 5106E; 5131A; 5132C;  
 5206A; 5310.5F.  
 4-PO (south part of Agate Pass.):  
 495C; 4910B; 5011C; 5207G.  
 1-PO (north of buoy N4): 5020B.  
 30-PO (off Fletcher Bay to south of Battle Point and Brownsville):  
 5223B; 5226B; 5228E; 5232C;  
 5235P; 5236C,D; 5301A,D; 5310.3B;  
 5323A; 5422A,B; 5707A,G; 5919A;  
 5924B; 5932B; 6008A; 6015A;  
 6016A1,B1,A2,A3,A4; 6021A; 6109A;  
 6111A,B; 6205D2.  
 4-PO ("B-2" to "B-1"):  
 5236F; 6205C1,C2,C3.  
 4-PO (off Battle Point and north):  
 5309B; 5310.1A; 5422F,G.  
 7-PO (off Manzanita to off Seabold):  
 5310.1D,.2D,.4A,.4B,.5B,.5E;  
 6215B.  
 2-PO (Point Bolin to Keyport):  
 5310.4D,.4E.  
 2-PO (off south of Fletcher Bay):  
 5711C; 6118A.  
 8-PO (most off Fletcher Bay):  
 6203B,C,D; 6713A,B,E,F; 7313X.  
 6-PO (beach seine: one mile north of Illahee Dock):  
 6205A1.1,1.2,2.1,2.2,3.1,3.2.  
 1-PO (off Seabold Wharf): 6617A.  
 46-S (off Golden Gardens to Meadow Point): 4/2/49-2; 4/16/49-2,5;  
 495D; 496C; 497E; 498A; 5008B;  
 5009K; 5011D; 5014C; 5017D,F;  
 5028B; 5034A; 5110B,E,F; 5112C;  
 5119C,D,H; 5132A,B; 5203C,D;  
 5233C; 5512F,G; 5521A; 5607A,B;  
 5704E; 5707J; 5907B,C; 5911A;  
 5920E; 6010B,D; 6112A,C; 6206A,B;  
 6506A,C.  
 11-S (off Meadow Point to Carkeek Park):  
 4/16/49-3; 5211A,B; 5212B,D,E;  
 5233A; 6022C; 6510A; 7120A,B.  
 1-S (1/2 mile west of Duwamish Head): 6615A.  
 1-S (Meadow Point to Richmond Beach): 6429A.  
 109-S (beach seine: Golden Gardens to Meadow Point):  
 5007D; 5012B,C; 5015A; 5016A,B,D;  
 5018A; 5021A,G; 5024C,D; 5030B;  
 5032.1A,C; 5036A; 5047A,B,C;

5108C; 5114A,B; 5116A,B,C1;  
 5119F; 5127C; 5129B; 5134A,B;  
 5137A,B; 5208A,D; 5209A,D; 5214A,  
 B1,B2,F1,F2; 5215A,B,C,D,F,K,L;  
 5308B; 5322A; 5328A; 5404A; 5406;  
 5407; 5412A; 5417A; 5424B; 5508C;  
 5609B; 5612A; 5706C; 5804A;  
 5807B; 5913B; 5920K; 6019A; 6110;  
 6113B; 6116A; 6207A,C; 6210C;  
 6211; 5-6309; 7-6310; 6311C;  
 6319; 6411A,B; 3-6417; 6508A,D;  
 6509A,B,C,D; 6511D; 6513A; 6518A,  
 B; 6708A; 6711A2,C2; 6716A,B;  
 6721A-2; 7209B.  
 17-S (beach seine: Carkeek Park):  
 5022A,C; 5219A,B; 5220A,C; 5221B,  
 C; 5225B; 5231A; 5311A,B; 5313C;  
 5708A,B; 5808A,B.  
 1-S (off Edmonds): 6119U.  
 3-S (beach seine: Alki Point to Duwamish Head): 6619D,E,R.  
 1-S (off West Point): 6721A-2.  
 1-S (Meadow Point): 6414A.  
 1-S (beach seine: north side of West Point): 7311A.  
 1-CP (off Point Sandford): 7/18/49.  
 1-CP (south end of West Pass.):  
 7/21/49-1.  
 4-CP (off Camp Sealath):  
 5009E,F; 5104CC,DD.  
 2-SS (off McLane Cove to Stretch Island): 7/20/49-3; 5201L.  
 1-SS (off mouth of Budd Inlet):  
 7/20/49-4.  
 3-SS (northwest end of Nisqually Reach): 5009I; 7/20/49-5; 5204G.  
 1-SS (north end of Pickering Pass.):  
 5009H.  
 1-SS (beach seine: Carr Inlet, west side of Cutts Island): 5037E.  
 9-SS (off Glen Cove to off Raft and Cutts Islands, Carr Inlet):  
 5037G; 5045B; 5101E; 5104K,L,M,N,  
 O,AA.  
 5-SS (Carr Inlet, off Wauna):  
 5037I; 5045I; 5101A; 5104E;  
 5227C.  
 1-SS (Oakland Bay, off Shelton):  
 5115C.  
 6-SS (Carr Inlet, off Minter Creek to Elgin): 5102C; 5104D; 5133J;  
 5135D; 5227D,E.  
 1-SS (Totten Inlet, off Windy Point to Steamboat Island): 5115D.  
 1-SS (Dana Pass., off Unsal Point):  
 5201J.  
 1-SS (Dana Pass., Brisco Point to Dofflemeyer Point): 5204H.  
 1-SS (Carr Inlet): 5522C.  
 2-SS (Eld Inlet, trap, one mile northeast of Flapjack Point):  
 6208A; 6219-1.

Miscellaneous Logs

1-HC: WSDF, Sport Fish., 1965-70.



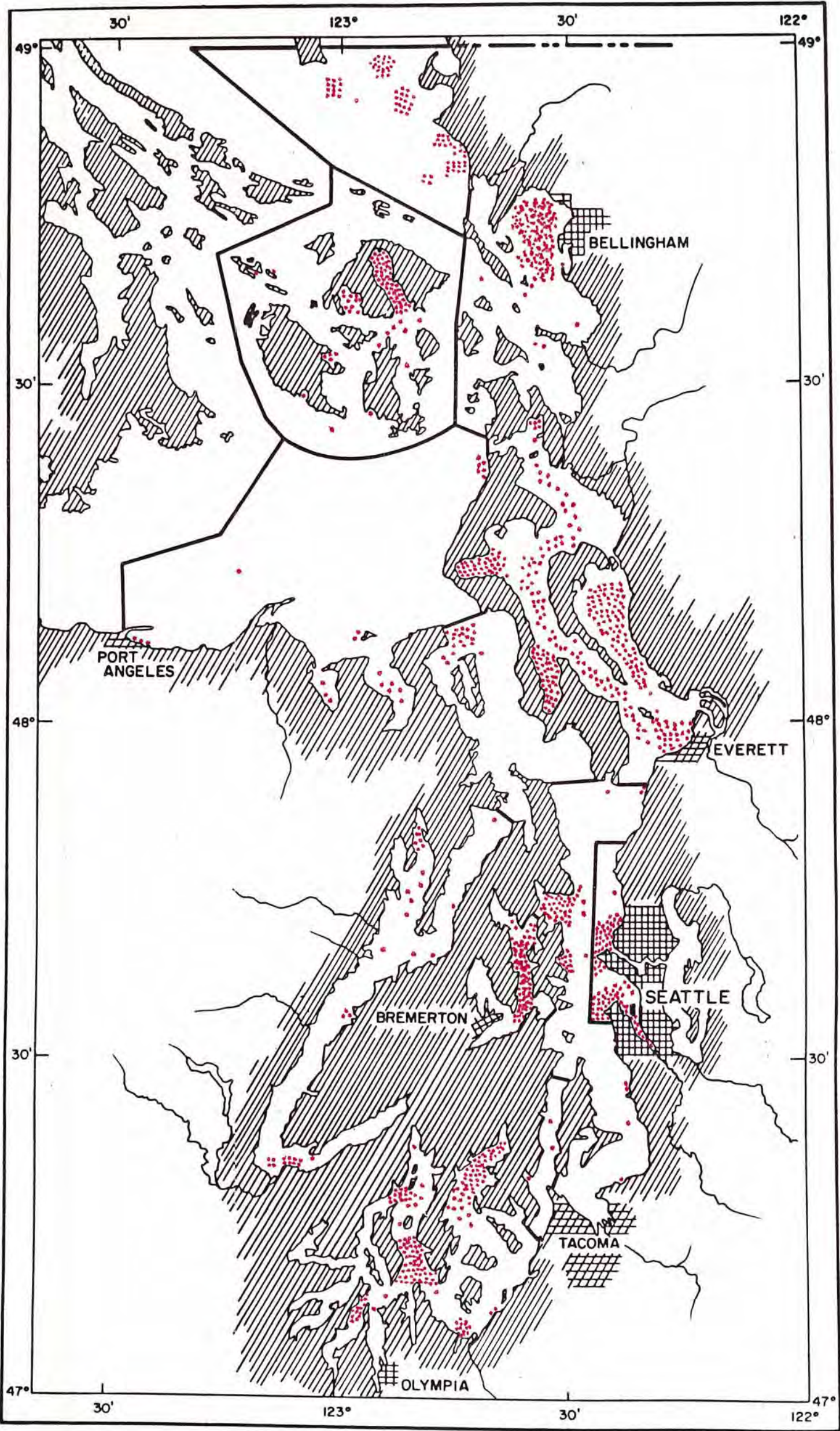
*Pleuronichthys coenosus*

## Pleuronectidae

Miscellaneous Logs

- 50+-S (Duwamish Head to Alki Point):  
U.W. Ocean., 1964-67.
- 6-E (Port Gardner Bay):  
U.W. Ocean., P.G., 1962-67.
- 50+-S (Golden Gardens to Meadow Point):  
U.W. Ocean., Hoh, 1963-68.
- 46-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):  
U.W. Ocean., Hoh, 1963-67.
- 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 41-CS (Port Madison):  
U.W. Ocean., Hoh, 1963-68.
- 1-CS (Norma Beach):  
U.W. Ocean., Hoh, 1963-68.
- 2-E (Saratoga Pass., off Demock Point):  
U.W. Ocean., Hoh, 1963-67.
- 1-E (off Demock Point to off Utsalady Point):  
U.W. Ocean., Hoh, 1963-67.
- 7-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.
- 1-JF (Discovery Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Holmes Harbor):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-SS (Case Inlet): WSDF, Commercial Catch Comp., 1969-70.
- 4-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 66-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 2-S (Duwamish Head to Alki Point): NIH, 1968-71.
- 1-PO (off Fletcher Bay): NIH, 1968-71.
- 2-PO (Clam Bay): NIH, 1968-71.
- 1-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
- 9-CS (Port Madison):  
Van Cleve, trap, 1961-65.
- 3-PO (off Fletcher Bay):  
Van Cleve, trap, 1961-65.
- 1-S (off Edmonds):  
Van Cleve, trap, 1961-65.
- 1-CS (Blake Island):  
Van Cleve, trap, 1961-65.
- 8-SS (entrance to Eld Inlet):  
Van Cleve, trap, 1961-65.
- 1-E (Saratoga Pass., west side just south of Penn Cove):  
Van Cleve, trap, 1961-65.
- 1-SS (Case Inlet):  
Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Port Angeles embayment):  
Peninsula College, 1971.
- 1-JF (lower Discovery Bay):  
Sea Grant, 71111.
- 1-SJ (East Sound): Bruce Miller, Diving Log, 9/9/65.
- 2-CS (Three-Tree Point):  
Bruce Miller, Diving Log, 2/3/67; 5/10/68.
- 2-S (Alki Beach): Bruce Miller, Diving Log, 6/16/67; 5/17/68.
- 2-CS (Port Blakely): Bruce Miller, Diving Log, 5/24/68; 7/12/68.
- 1-S (Golden Gardens): Bruce Miller, Diving Log, 12/4/68.
- 1-S (south of Carkeek Park):  
Sea Grant, 3/17/71.
- 13-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 5-CP (off Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 3-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).
- 1-S (beach seine: Golden Gardens):  
Sea Grant, 72023.
- 1-CP (off Gig Harbor Spit):  
Sea Grant, 72025.
- 2-HC (off Big Beef Harbor):  
Sea Grant, 1972.
- 4-S (beach seine: north side of West Point): Sea Grant, 1973.
- 1-CS (beach seine: north of Meadowdale at Lunds Gulch):  
Sea Grant, 73002.
- 8-S (off northwest side of West Point): Sea Grant, 1973.
- 8-S (off southwest side of West Point): Sea Grant, 1973.
- 9-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 14-S (southwest of Alki Point):  
Sea Grant, 1973.
- 5-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 1973.
- 4-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 13-SS (McLane Cove toward Stretch Island): Sea Grant, 1973-74.
- 5-SS (west side of Dougall Point):  
Sea Grant, 1973-74.
- 14-SS (mid-channel, McLane Cove to Stretch Island):  
Sea Grant, 1973-74.
- 2-HC (off Union):  
Sea Grant, 1973-74.
- 2-AI (Mutiny Bay):  
Sea Grant, 73049.
- 3-SS (Cormorant Pass.):  
Sea Grant, 73059 and 73060.
- 1-SS (Tatsolo Point):  
Sea Grant, 73059.







*Psettichthys melanostictus*Published Records

- 1-PS: Jordan and Gilbert, 1882.  
 1-S (Seattle):  
   Evermann and Goldsborough, 1907.  
 1-AI (Marrowstone Point):  
   Evermann and Goldsborough, 1907.  
 1-SJ: Starks, 1911.  
 1-SJ: Shelford et al., 1935.  
 1-JF (Sequim Bay): Smith, 1936.  
 3-GS: Smith, 1936.  
 10-B (Bellingham Bay): Smith, 1936.  
 1-B (Bellingham Bay, south end of  
   Chuckanut Island):  
   Smith, 1936 (also museum 3836).  
 4-E (Coupeville): Smith, 1936.  
 1-AI (Port Townsend): Smith, 1936.  
 2-HC (Bangor; Dabob Bay):  
   Smith, 1936.  
 3-SJ (Upright Channel; Obstruction  
   Island; East Sound):  
   Smith, 1937.  
 1-SS (Dofflemeyer Point):  
   Smith, 1937.  
 1-JF (mid-channel, northwest of  
   Dungeness Spit): Greenwood, 1957  
   (also NMFS, Cobb 25).  
 1-E (Kiket Island):  
   Stober and Salo, 1970b.  
 1-E (Skagit and Similk Bays):  
   Stober and Salo, 1970b.  
 5-E (Similk Bay):  
   Stober and Salo, 1970a.  
 2-E (Skagit Bay):  
   Stober and Salo, 1970a.  
 19-S (Duwamish Head): Salo, 1969.  
 20-E (Port Gardner Bay):  
   Salo, 1969.  
 10-E (Skagit Bay): Salo, 1969.  
 22-SJ (East Sound): Sommani, 1969.  
 1-S (Golden Gardens):  
   Sommani, 1969.  
 50+-B (Bellingham Bay):  
   DiDonato, 1969.  
 1-B (Bellingham Bay):  
   McArn et al., 1968.  
 2-E (Port Susan):  
   McArn et al., 1968.  
 10-S (beach seine: Golden Gardens):  
   Kendall, 1966.  
 4-CS (beach seine: south side of  
   Point Jefferson): Kendall, 1966.  
 1-S (Seattle Harbor):  
   Townsend, 1935.  
 2-SJ (Orcas Island; Lopez Island):  
   Townsend, 1935.  
 1-CS (Dumas Bay): Miller, 1971b  
   (also NIH 71105 and 71106).  
 2-CS (Seahurst County Park):  
   Miller, 1971a (also boat 7113 and  
   NIH 71101).  
 50+-E (Saratoga Pass.; Port Susan;  
   Port Gardner Bay; sport catch):  
   Haw and Buckley, 1971.  
 2-HC (Anderson Cove): Chew, 1970.

## Pleuronectidae

University of Washington  
Museum Collection

- 1-SJ (Davis Bay): 1195.  
 1-SJ (San Juan Island): 1428.  
 4-S (Alki Point):  
   1443; 3570; 4896; 10655.  
 2-SJ (West Sound): 2242; 2524.  
 4-SJ (East Sound):  
   2280; 6071; 17067 (also Friday  
   Harbor Log, 6/20/63); 18657.  
 3-SJ (East Sound, south of Rosario  
   Point): 18658; 18719; 19567 (all  
   also NIH 1964-66).  
 1-SJ (mid East Sound): 18659 (also  
   Friday Harbor Log, 4/3/64).  
 1-SJ (Friday Harbor): 2521.  
 1-SJ (Friday Harbor night light):  
   10651.  
 1-B (eight miles south of  
   Bellingham): 3429.  
 1-B (south end of Bellingham Bay):  
   3524.  
 2-S (Edmonds): 4924; 5518.  
 1-S (North Beach): 5037.  
 1-E (Saratoga Pass., Watsak Point):  
   5214.  
 1-S (south of Richmond Beach):  
   5347.  
 1-E (Port Susan, off Warm Beach):  
   5956 (also boat 5023B).  
 1-E (off Mission Bar):  
   5874 (also boat 5023E).  
 1-SS (Carr Inlet): same collection:  
   8284, 8285, 8286 and 8287.  
 1-S (Golden Gardens): 16928.  
 1-B and E (tagged in Bellingham Bay,  
   recovered at Coupeville): 4603.

Friday Harbor Laboratory Log

- 5-SJ (West Sound): 6/23/51;  
   7/9/52-3 (also boat 5220I);  
   6/26/61; 6/20/69-2; 7/6/71-2.  
 1-SJ (Upright Head): 6/28/51-1.  
 1-SJ (Lopez Sound, Spencer Spit):  
   6/28/51-3.  
 1-B (Bellingham Bay): 6/22/55.  
 1-B (Bellingham Bay, south of Eliza  
   Island): 8/8/55-1.  
 1-SJ (south of Orcas Island):  
   6/24/52.  
 1-SJ (Reid Harbor, Stuart Island):  
   7/9/52-2 (also boat 5220H).  
 1-SJ (west of Salmon Banks, three  
   fathoms): 7/22/52-2.  
 8-SJ (East Sound):  
   8/11/52; 7/6/60-2; 7/26/60;  
   8/13/60-1; 6/20/61; 5/11/62;  
   6/29/71-1; 7/6/71-1.  
 4-SJ (lower East Sound): 7/28/55-2;  
   8/11/55-3; 8/22/55-5; 6/26/73-1.  
 1-SJ (north side Johns Island,  
   second bay): 8/19/52-1.  
 1-SJ (East Sound or West Sound):  
   7/25/55.



*Psettichthys melanostictus*

## Pleuronectidae

Friday Harbor Laboratory Log

- 1-SJ (West Sound and Lopez Sound):  
6/27/60.  
1-SJ (White Beach): 8/16/60-4.  
1-SJ (False Bay): 6/29/61.  
1-SJ (Upright Head into East Sound):  
7/10/61-2.  
1-SJ (East Sound and Lopez Sound):  
7/11/63.  
5-SJ (mid East Sound):  
1/17/64; 2/21/64; 6/5/64;  
7/11/64; 6/20/69-1.  
1-SJ (Friday Harbor Lab):  
7/12/69-2.  
1-SJ (Friday Harbor Lab night  
light): 1969.

University of Washington Boat Log

- 1-SJ (north end of East Sound):  
491M.  
1-SJ (West Sound): 5033L.  
2-SJ (East Sound): 5033M; 6512I.  
17-SJ (training cruise area: East  
Sound, north of Rosario Point):  
6507H; 6517H; 6603H; 6614H;  
6620H; 6630H; 6717H; 6815H;  
6819H; 6908H; 6914H; 7010H;  
7017H; 7110H; 7118H; 7307H;  
7313H.  
1-B (Bellingham Bay): 6822G.  
21-B (training cruise area:  
Bellingham Bay, southwest of Post  
Point):  
6507G9; 6512G; 6517G; 6603G;  
6614G; 6620G; 6630G; 6717G;  
6722G; 6815G; 6819G; 6826G;  
6908G; 6914G; 7010G; 7017G,G.1;  
7110G; 7118G; 7307G; 7313G.  
1-E (Port Susan, off Warm Beach):  
5023A.  
2-E (Penn Cove mouth, off Long Point  
to off Snatelum Point):  
5213A; 5810G.  
4-E (Penn Cove, off Coupeville to  
off Lovejoy Point):  
5213B,C; 5316I,J.  
16-E (Holmes Harbor, south of  
Classic):  
5305A,G; 5307G,H,M,N,U; 5312B,C,  
L; 5316E,M,N; 5501A,B,C.  
5-E (Holmes Harbor, off Dines Point  
to Classic):  
5305C,D; 5307I,J; 5312J.  
22-E (Holmes Harbor):  
5305E,H,L; 5325D; 5327A,B; 5405A,  
B,C,D,E,F; 5420C; 5522D,E; 5604D,  
E,F,H,I; 56130; 5703E.  
3-E (Holmes Harbor, off Rocky Point  
to Dines Point): 5307B,Q; 5327E.  
12-E (Penn Cove):  
5327F,G; 5330G; 5405I,J,K; 5420G;  
5522F,G; 5712A; 5810F; 6117C.  
2-E (Saratoga Pass., off Snatelum  
Point to off Onamac Point):  
5330F; 5712C.

- 3-E (Saratoga Pass., off Onamac  
Point to Indian Beach):  
5405L,M,N.  
1-E (Elger Bay): 5405Q.  
1-E: 5712B.  
2-E (Holmes Harbor or Penn Cove):  
6117G,I.  
1-E (Saratoga Pass., Cama Beach to  
Lowell Point): 5712D.  
1-E (Port Susan, north of Kayak  
Point to Tulalip): 7112.  
1-E (training cruise area: Saratoga  
Pass., north of Langley): 7017D.  
1-E (training cruise area: off  
Strawberry Point): 6717F.  
1-E (training cruise area: east of  
Gedney Island): 6908C.  
1-HC (off Sisters light buoy):  
499C.  
1-HC (off Sisters Point): 499G.  
1-HC (off Pleasant Harbor): 7003I.  
1-HC (Anderson Cove): 7009C.  
4-HC (Dabob Bay): 7102B,H,K,N.  
7-HC (Dabob Bay, Broad Spit to Long  
Spit): 6902F,E; 6828A; 7202G,H;  
7303A; 7003A.  
7-CS (Port Madison):  
1/22/49-5; 3/25/49-3; 6/30/49;  
492A; 5006C; 5043A; 5131B.  
1-CS (off Cultus Bay): 5032A.  
1-CS (north of Des Moines): 5224A.  
2-CS (off Agate Pass., Port  
Madison): 5302AA; 5310.2F.  
1-CS (mid-channel, Meadow Point to  
Port Madison): 5709B.  
1-CS (training cruise area: mid-  
channel, Skiff Point to West  
Point): 7118B.  
16-CS (Murden Cove):  
6612A; 6613B; 6713H; 6812B;  
6821.5G; 6906B,C,E,A; 6610A;  
6823; 3-7108; 4/4/73; 7308A.  
4-PO (Agate Pass., buoy N4-N6):  
5006A; 5048A; 5131A; 5315C.  
1-PO (south part of Agate Pass.):  
5011C.  
21-PO (off south of Fletcher Bay):  
5229A,C,D; 5413B,C,D,E,F; 5421B;  
5503B; 5801A,C; 5926B,C,D,E;  
6016B4; 6118A,B,C,D.  
8-PO (off Manzanita to Seabold):  
5236B; 5310.1D,.2A,.4B,.5B,.5E;  
6215A,B.  
6-PO ("B-2" to "B-1"): 5236F;  
5301C; 5526A; 6205C1,C2,C3.  
2-PO (Point Bolin to Keyport):  
5310.4D,.4E.  
1-PO (trap): 6305.2.  
111-PO (off Fletcher Bay to south of  
Battle Point and Brownsville):  
5206B; 5207D,E; 5223B; 5226A,B;  
5228E,F; 5230F; 5232C; 5235P;  
5236C,D,E; 5301A,B; 5303; 5306A;  
5309A; 5310.3B; 5315B; 5317A,B;  
5323A; 5401A; 5402X; 5404.1;  
5409.1; 5413A; 5414.1C; 5421A;



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## Pleuronectidae

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5422A,B,C; 5423A; 5503A; 5504A,B;  
 5507; 5523A,E; 5602A,B; 5615A,B,  
 C; 5707A,B,G,H; 5709C; 5711A;  
 5809A; 5814; 5901AK; 5904A,B,C;  
 5906A; 5912A; 5915A,B; 5919A;  
 5922A; 5923A,B; 5924B; 5927C;  
 5931B; 6001AM,AN; 6003A; 6006A;  
 6008A,B; 6011A; 6016A1,B1,A2,B2,  
 A3,B3,A4,B5,A5; 6021A,B,C,D,E;  
 6100; 6101A; 6103; 6111A; 6201;  
 6202.5; 6205D1,D2,D3; 6317;  
 6320A; 6403AF; 6406C; 6425-1A,2A;  
 6427A,B; 6504; 6504.5; 6507K;  
 6707.  
 1-PO (off Seabold Wharf): 6617A.  
 1-PO (Brownsville to White Point):  
 6806A.  
 36-PO (most off Fletcher Bay):  
 5306B; 5812B; 5926A; 6002A;  
 6007B; 6203C; 6214; 6303.1;  
 6407.2; 6415; 6419; 6515-1,2;  
 6711C; 6713A,B,E,F; 6715; 6716.5;  
 6801; 6813.5; 6821.5F; 6916D,H;  
 7011A,B; 702C; 7104-1,2; 7105-1,  
 2; 7107A,B; 7302A; 7313X.  
 3-PO (off Battle Point and north):  
 5309B; 5310.3A; 5422F.  
 17-S (off Golder Gardens to Meadow  
 Point): 496C; 5008B; 5110F;  
 5203C,D; 5512F; 5607B; 5907D;  
 5931A; 6005A; 6010A; 6112A,B,C;  
 6206A; 6506A,C.  
 18-S (beach seine: Golden Gardens to  
 Meadow Point): 5012B; 5030B;  
 5116F; 5407; 5609A; 5612A; 5706A;  
 5804A; 6310; 6311C,D; 6319;  
 6411A; 6511D; 6518A,B; 7209A,B.  
 3-S (beach seine: Carkeek Park):  
 5022A; 5219A; 5808A.  
 5-S (off Meadow Point to Carkeek  
 Park):  
 5233A; 6414B; 6510A; 7120A,B.  
 2-S (beach seine: north side of West  
 Point): 7311A,C.  
 3-S (beach seine: Alki Point to  
 Duwamish Head): 6619J,N,P.  
 1-CP (off north of Camp Sealth):  
 7/21/49-2.  
 1-CP (Olalla to Maplewood): 6703D.  
 2-SS (off McLane Cove to Stretch  
 Island): 7/20/49-3; 5201L.  
 1-SS (north end of Pickering Pass.  
 to off McLane Cove): 5009H.  
 27-SS (Carr Inlet, off Glen Cove to  
 off Raft and Cutts Islands):  
 5009J; 5045A,B,C; 5101E,F; 5104M,  
 Y,AA; 5126M; 5201A,B,O; 5204A,B,  
 C,E; 5213D; 5227B; 5613B,C,D,E,F,  
 G,H,I.  
 25-SS (Carr Inlet, off Minter Creek  
 to Elgin): 5037H; 5045D,E,G,J;  
 5046C; 5101C; 5102C; 5104D,I,V;  
 5126D,F; 5133J; 5135A,B,D; 5201G,  
 P; 5213F; 5227D,E,F,G,I.

9-SS (Carr Inlet, off Wauna):  
 5045I; 5101A; 5104E,F,W; 5126L;  
 5227A,C; 5037I.  
 1-SS (Carr Inlet, mid-channel, north  
 of Home): 5104R.  
 1-SS (Case Inlet, off Victor):  
 5126G.  
 1-SS (Case Inlet, west of Herron  
 Island): 5126H.  
 1-SS (northwest end of Nisqually  
 Reach): 5204G.  
 1-SS (Dana Pass., Brisco Point to  
 Dofflemeyer Point): 5204H.  
 6-SS (Carr Inlet):  
 5522A,B,C; 5605A,B,D.  
 2-SS (Case Inlet): 5613K,L.  
 2-SS (trap, Eld Inlet entrance):  
 6217-3; 6219-2.  
 2-SS (Carr Inlet, Glen Cove to Green  
 Point): 6724B-2,3.  
 1-SS (Case Inlet, north of Herron  
 Island): 6724C.

Miscellaneous Logs

2-S (West Point to Magnolia):  
 Metro, 1963-70.  
 1-JF (off West Beach):  
 WSDF, Sport Fish., 1965-70.  
 1-E (Everett):  
 WSDF, Sport Fish., 1965-70.  
 1-S (Elliott Bay):  
 WSDF, Sport Fish., 1965-70.  
 3-SS: WSDF, Sport Fish., 1965-70.  
 3-HC: WSDF, Sport Fish., 1965-70.  
 23-S (Duwamish Head to Alki Point):  
 U.W. Ocean., 1964-67.  
 50+-E (Port Gardner Bay):  
 U.W. Ocean., P.G., 1962-67.  
 241-PO (south of Fletcher Bay):  
 U.W. Ocean., P.O., 1964-65.  
 27-S (Golden Gardens to Meadow  
 Point):  
 U.W. Ocean., Hoh, 1963-68.  
 50+-PO (south and north of Fletcher  
 Bay): U.W. Ocean., Hoh, 1963-67.  
 1-HC (Seabeck):  
 U.W. Ocean., Hoh, 1963-67.  
 50+-SS (Case Inlet, off Taylor Bay  
 to off Whiteman Cove):  
 U.W. Ocean., Hoh, 1963-67.  
 1-SS (Nisqually Flats):  
 U.W. Ocean., Hoh, 1963-67.  
 7-SS (Carr Inlet, off Horsehead  
 Bay): U.W. Ocean., Hoh, 1963-67.  
 47-CS (Port Madison):  
 U.W. Ocean., Hoh, 1963-68.  
 20-E (Port Gardner Bay):  
 U.W. Ocean., Hoh, 1963-67.  
 12-E (Port Susan):  
 U.W. Ocean., Hoh, 1963-67.  
 10-E (Penn Cove):  
 U.W. Ocean., Hoh, 1963-67.  
 7-E (Saratoga Pass., off Demock  
 Point):  
 U.W. Ocean., Hoh, 1963-67.



*Psettichthys melanostictus*

## Pleuronectidae

Miscellaneous Logs

- 11-E (off Demock Point to Utsalady Point):  
U.W. Ocean., Hoh, 1963-67.
- 9-E (Holmes Harbor):  
U.W. Ocean., Hoh, 1963-67.
- 1-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 3-AI (Port Townsend Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Discovery Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Padilla Bay, near William Point):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-B (Samish Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-SJ (West Sound):  
U.W. Ocean., Hoh, S.J., 1966.
- 6-SJ (East Sound):  
U.W. Ocean., Hoh, S.J., 1966.
- 7-E (Penn Cove):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Utsalady):  
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Susan):  
U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Port Gardner Bay):  
U.W. Ocean., Hoh, S.J., 1966.
- 3-E (Holmes Harbor):  
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Discovery Bay): WSDf, groundfish trawl, through 1970.
- 4-AI (Port Townsend): WSDf, groundfish trawl, through 1970.
- 4-JF (Discovery Bay): WSDf, Commercial Catch Comp., 1966-70.
- 2-E (Holmes Harbor; Saratoga Pass.): WSDf, Commercial Catch Comp., 1966-70.
- 1-SS (Carr Inlet): WSDf, Commercial Catch Comp., 1969-70.
- 3-SS (Case Inlet): WSDf, Commercial Catch Comp., 1969-70.
- 14-AI (east of Port Townsend):  
NMFS, Cobb 35.
- 1-JF (west of Protection Island):  
NMFS, Cobb 35.
- 3-PO (south of Fletcher Bay):  
NMFS, Cobb 68.
- 1-B (Eliza Island, Bellingham Bay):  
NMFS, Cobb 68.
- 21-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 2-SJ (East Sound): NIH, 1968-71.
- 6-B (Bellingham Bay, off Nooksack River to Marine Drive):  
NIH, 1968-71.
- 39-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 3-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
- 9-CS (Port Madison):  
Van Cleve, trap, 1961-65.
- 1-PO (off Fletcher Bay):  
Van Cleve, trap, 1961-65.
- 12-SS (entrance to Eld Inlet):  
Van Cleve, trap, 1961-65.
- 4-E (Holmes Harbor):  
Van Cleve, trap, 1961-65.
- 2-E (Saratoga Pass. on west side just south of Penn Cove; Penn Cove): Van Cleve, trap, 1961-65.
- 3-JF (beach seine: Port Angeles embayment):  
Peninsula College, 1971.
- 2-JF (lower Sequim Bay):  
Sea Grant, 71110.
- 19-GS (tow area 1, mouth of Boundary Bay):  
WSDf, Gulf Georgia, 1969-71.
- 18-GS (tow area 2, off Birch Bay):  
WSDf, Gulf Georgia, 1969-71.
- 11-GS (tow area 3, off Cherry Point):  
WSDf, Gulf Georgia, 1969-71.
- 13-GS (tow area 4, off north of Neptune Beach):  
WSDf, Gulf Georgia, 1969-71.
- 4-GS (tow area 5, north of Alden Bank):  
WSDf, Gulf Georgia, 1969-71.
- 12-GS (tow area 6, southeast of Point Roberts):  
WSDf, Gulf Georgia, 1969-71.
- 1-GS (tow area 9, mid-channel):  
WSDf, Gulf Georgia, 1969-71.
- 1-SJ (East Sound): Bruce Miller, Diving Log, 9/9/65.
- 1-JF (west of Protection Island):  
NMFS, Cobb, 2/28/73.
- 1-S (south of Carkeek Park):  
Sea Grant, 3/17/71.
- 1-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).
- 1-GS (beach seine: south of Cherry Point): Sea Grant, 72008.
- 3-GS (south of Cherry Point):  
Sea Grant, 72009.
- 8-S (Duwamish River estuary, between 16th and 1st Ave. S. bridges):  
Sea Grant, 1972.
- 5-JF (beach seine: West Beach):  
Sea Grant, 72017.
- 2-GS (south of Cherry Point):  
Sea Grant, 72019.
- 7-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 1972.
- 4-S (beach seine: Golden Gardens):  
Sea Grant, 1972.
- 1-HC (off Big Beef Harbor):  
Sea Grant, 72026.
- 1-SS (beach seine: Nisqually Head):  
Sea Grant, 72030.
- 2-B (Bellingham Bay, off Nooksack Flats): Sea Grant, 72035.
- 8-S (beach seine: north side of West Point): Sea Grant, 1973.
- 4-S (beach seine: south side of West Point): Sea Grant, 1973.
- 5-S (off northwest side of West Point): Sea Grant, 1973.



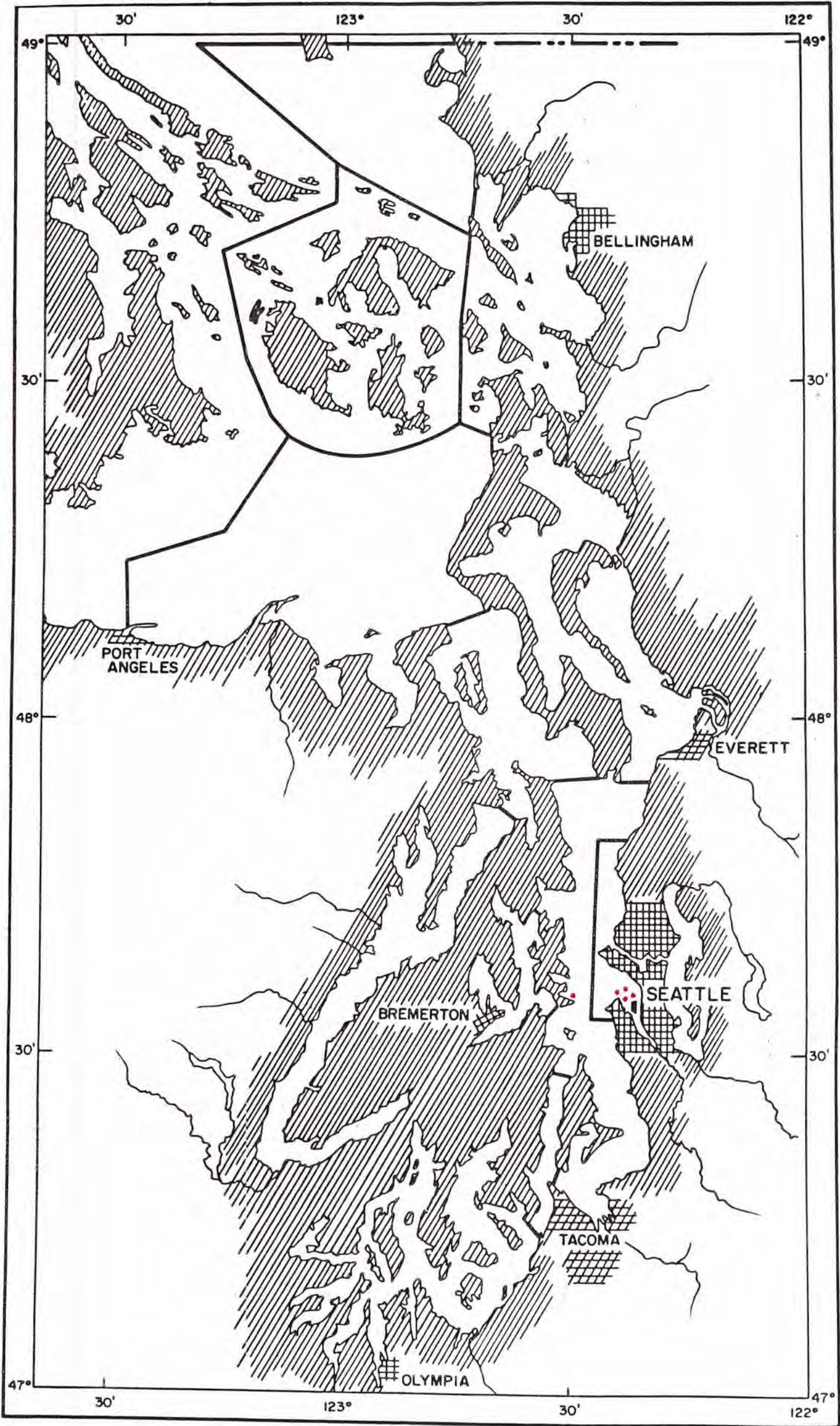
*Psettichthys melanostictus*

## Pleuronectidae

Miscellaneous Logs

- 3-S (off southwest side of West Point): Sea Grant, 1973.
- 4-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 4-S (southwest of Alki Point): Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay): Sea Grant, 73008.
- 8-S (Duwamish River estuary, between 1st and 16th Ave. S. bridges): Sea Grant, 1973.
- 7-S (Duwamish River estuary, upstream from 16th Ave. S. bridge): Sea Grant, 1973.
- 6-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
- 6-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 1973.
- 3-B (Bellingham Bay, off Nooksack River Flats): Sea Grant, 1973.
- 1-SS (McLane Cove to Stretch Island): Sea Grant, 1973.
- 1-SS (west side of Dougall Point): Sea Grant, 1973.
- 11-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973-74.
- 8-HC (off Union): Sea Grant, 1973.
- 4-HC (off Skokomish River Flats): Sea Grant, 1973.
- 2-SS (Tatsolo Point): Sea Grant, 73059.
- 1-B (west of Lurmi Island): WSDF, Commercial Catch Comp., 1966-71.







Published Records

- 1-PS: Kincaid, 1919.
- 1-S (off Duwamish Head launch ramp):  
Seattle Times, 8/26/59, p. 44.
- 3-S (off Duwamish Head; near West  
waterway; Elliott Bay):  
Seattle Times, 8/28/62, p. 11.

Miscellaneous Logs

- 1-CS (Blakely Rock):  
Bill High, Diving, 9/23/62.