

VOLUME 2

Family Percichthyidae (Temperate Basses) 32.1
through
Family Hexagrammidae (Greenlings) 54.6

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

Bruce S. Miller and Steven F. Borton

Fisheries Research Institute, College of Fisheries
University of Washington, Seattle, Washington 98195

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

September 1980

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Bruce S. Miller

BRUCE S. MILLER
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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.

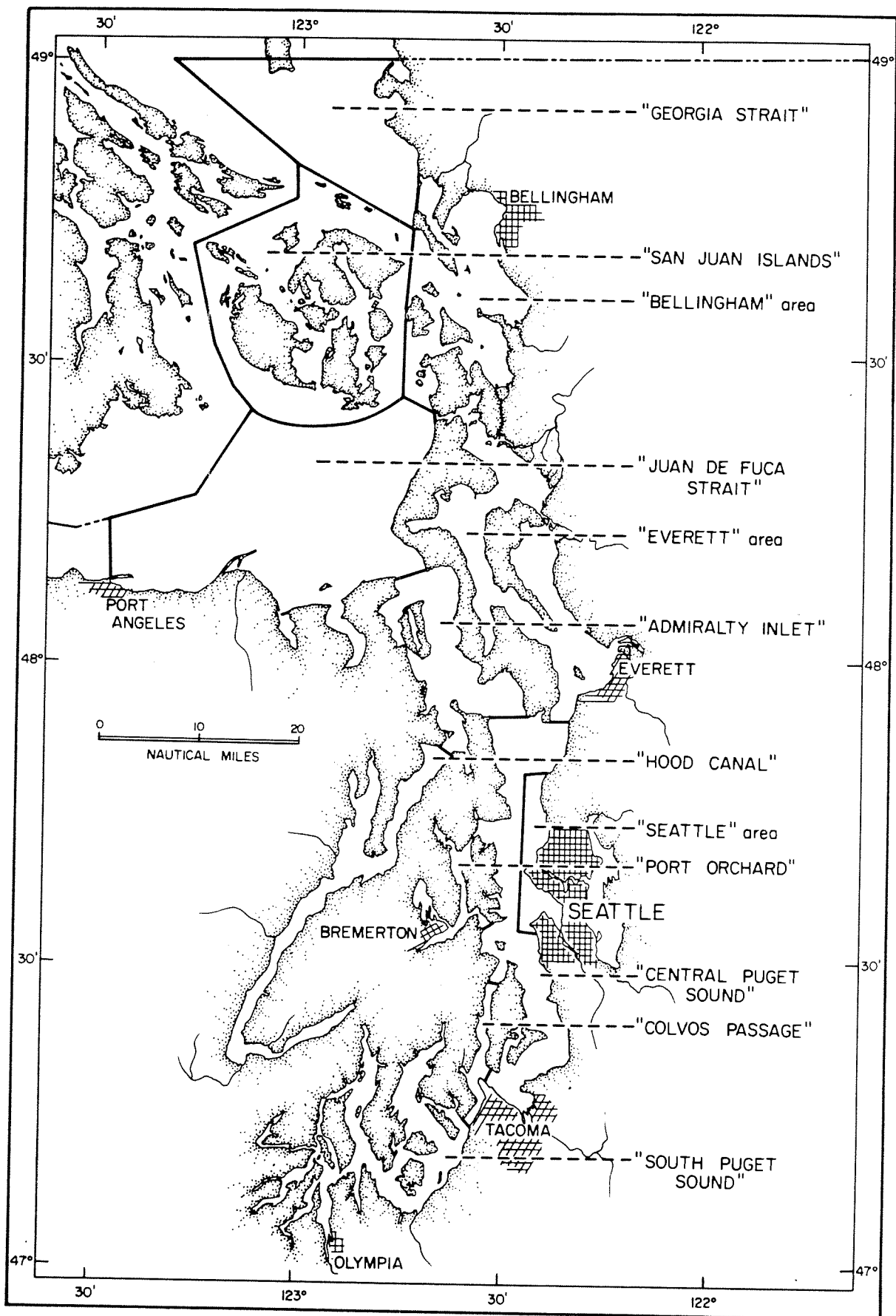


Figure 1. The 12 sampling areas used to group reports of fish occurrence in Puget Sound.

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

3-AI: (White Rock; Port Townsend; north of Olele Pt.): Evermann and Goldsborough, 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.

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<i>Malacocottus kincaidi</i> , blackfin sculpin	55.23
<i>Myoxocephalus polyacanthocephalus</i> , great sculpin	55.24
<i>Nautichthys oculofasciatus</i> , sailfin sculpin	55.25
<i>Oligocottus maculosus</i> , tidepool sculpin	55.26
<i>Oligocottus rimensis</i> , saddleback sculpin	55.27
<i>Oligocottus snyderi</i> , fluffy sculpin	55.28
<i>Psychrolutes paradoxus</i> , tadpole sculpin	55.29
<i>Radulinus asprellus</i> , slim sculpin	55.30
<i>Radulinus boleoides</i> , darter sculpin	55.31
<i>Rhamphocottus richardsoni</i> , grunt sculpin	55.32
<i>Scorpaenichthys marmoratus</i> , cabezon	55.33
<i>Synchirus gilli</i> , manacled sculpin	55.34
<i>Triglops macellus</i> , roughspine sculpin	55.35
<i>Triglops pingeli</i> , ribbed sculpin	55.36
FAMILY AGONIDAE (Poachers)	
<i>Agonopsis ermelane</i> , northern spearnose poacher	56.1
<i>Agonus acipenserinus</i> , sturgeon poacher	56.2
<i>Anoplagonus inermis</i> , smooth alligatorfish	56.3
<i>Asterotheca alascana</i> , gray starsnout	56.4
<i>Asterotheca infraspinata</i> , spinycheek starsnout	56.5
<i>Asterotheca pentacanthus</i> , bigeye poacher	56.6
<i>Bathyagonus nigripinnis</i> , blackfin poacher	56.7
<i>Bothragonus swani</i> , rockhead	56.8
<i>Hypsagonus quadricornis</i> , fourhorn poacher	56.9
<i>Ocella verrucosa</i> , warty poacher	56.10
<i>Odontopyxis trispinosa</i> , pygmy poacher	56.11
<i>Pallasina barbata</i> , tubenose poacher	56.12
<i>Xeneretmus latifrons</i> , blacktip poacher	56.13
<i>Xeneretmus triacanthus</i> , bluespotted poacher	56.14
FAMILY CYCLOPTERIDAE (Lumpfishes and Snailfishes)	
<i>Careproctus melanurus</i> , blacktail snailfish	57.1
<i>Eumicrotremus orbis</i> , Pacific spiny lumpsucker	57.2
<i>Liparis caliyodon</i> , spotted snailfish	57.3
<i>Liparis cyclopus</i> , ribbon snailfish	57.4
<i>Liparis denryi</i> , marbled snailfish	57.5
<i>Liparis florae</i> , tidepool snailfish	57.6
<i>Liparis fucensis</i> , slipskin snailfish	57.7
<i>Liparis pulchellus</i> , showy snailfish	57.8
<i>Nectoliparis pelagicus</i> , tadpole snailfish	57.9
<i>Polypera beringiana</i> , Bering snailfish	57.10
<i>Polypera greeni</i> , lobefin snailfish	57.11
FAMILY BOTHIDAE (Lefteye Flounders)	
<i>Citharichthys sordidus</i> , Pacific sanddab	58.1
<i>Citharichthys stigmaeus</i> , speckled sanddab	58.2
FAMILY PLEURONECTIDAE (Righteye Flounders)	
<i>Atheresthes stomias</i> , arrowtooth flounder	59.1
<i>Eopsetta jordani</i> , petrale sole	59.2
<i>Glyptocephalus zachirus</i> , rex sole	59.3
<i>Hippoglossoides elassodon</i> , flathead sole	59.4
<i>Hippoglossus stenolepis</i> , Pacific halibut	59.5
<i>Isopsetta isolepis</i> , butter sole	59.6
<i>Lepidopsetta bilineata</i> , rock sole	59.7
<i>Lyopsetta exilis</i> , slender sole	59.8

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FAMILY PLEURONECTIDAE (continued)	
<i>Microstomus pacificus</i> , Dover sole	59.9
<i>Parophrys vetulus</i> , English sole	59.10
<i>Platichthys stellatus</i> , starry flounder	59.11
<i>Pleuronichthys coenosus</i> , C-O sole	59.12
<i>Psettichthys melanostictus</i> , sand sole	59.13
FAMILY MOLIDAE (Molas)	
<i>Mola mola</i> , ocean sunfish	60.1

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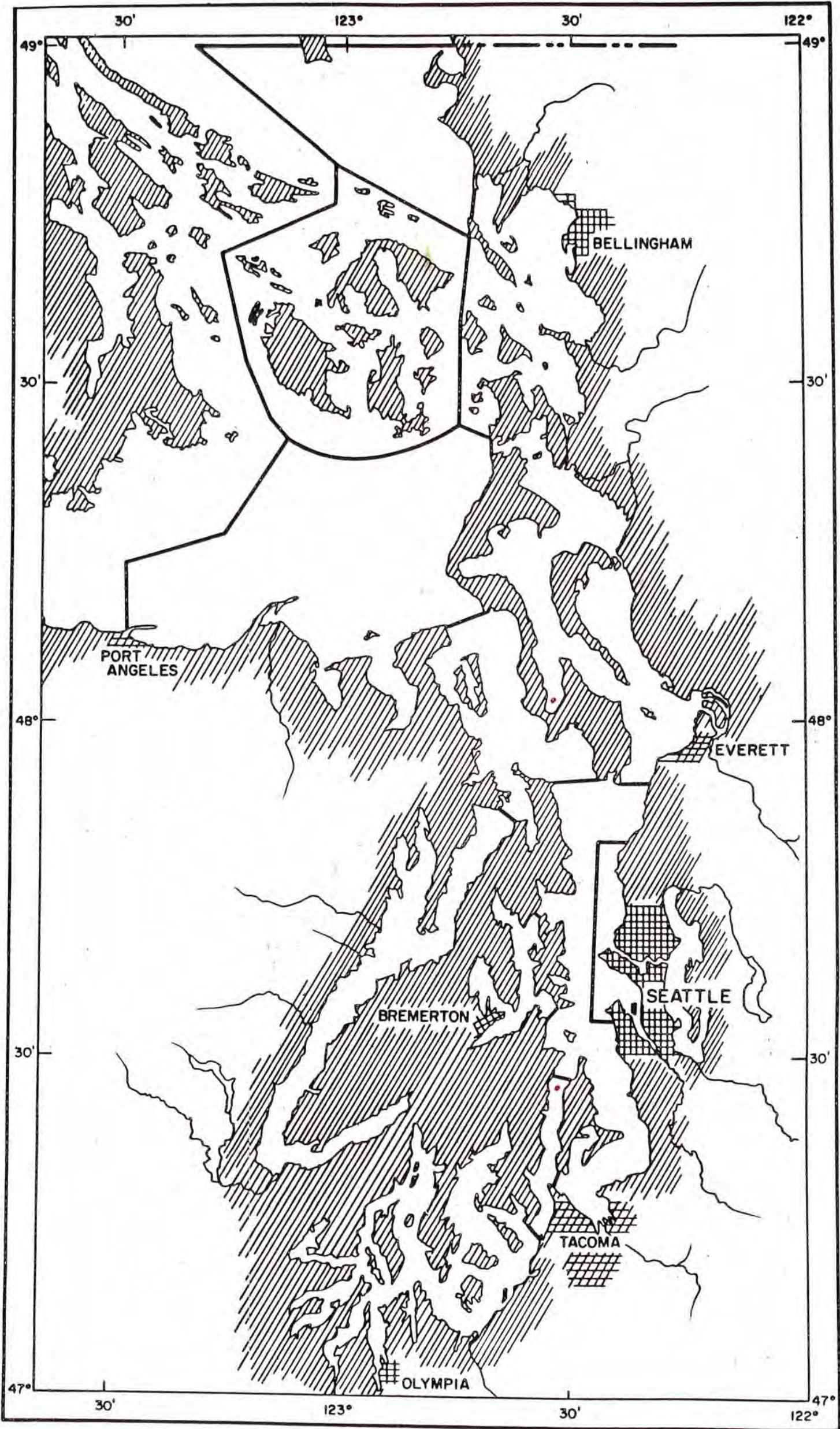
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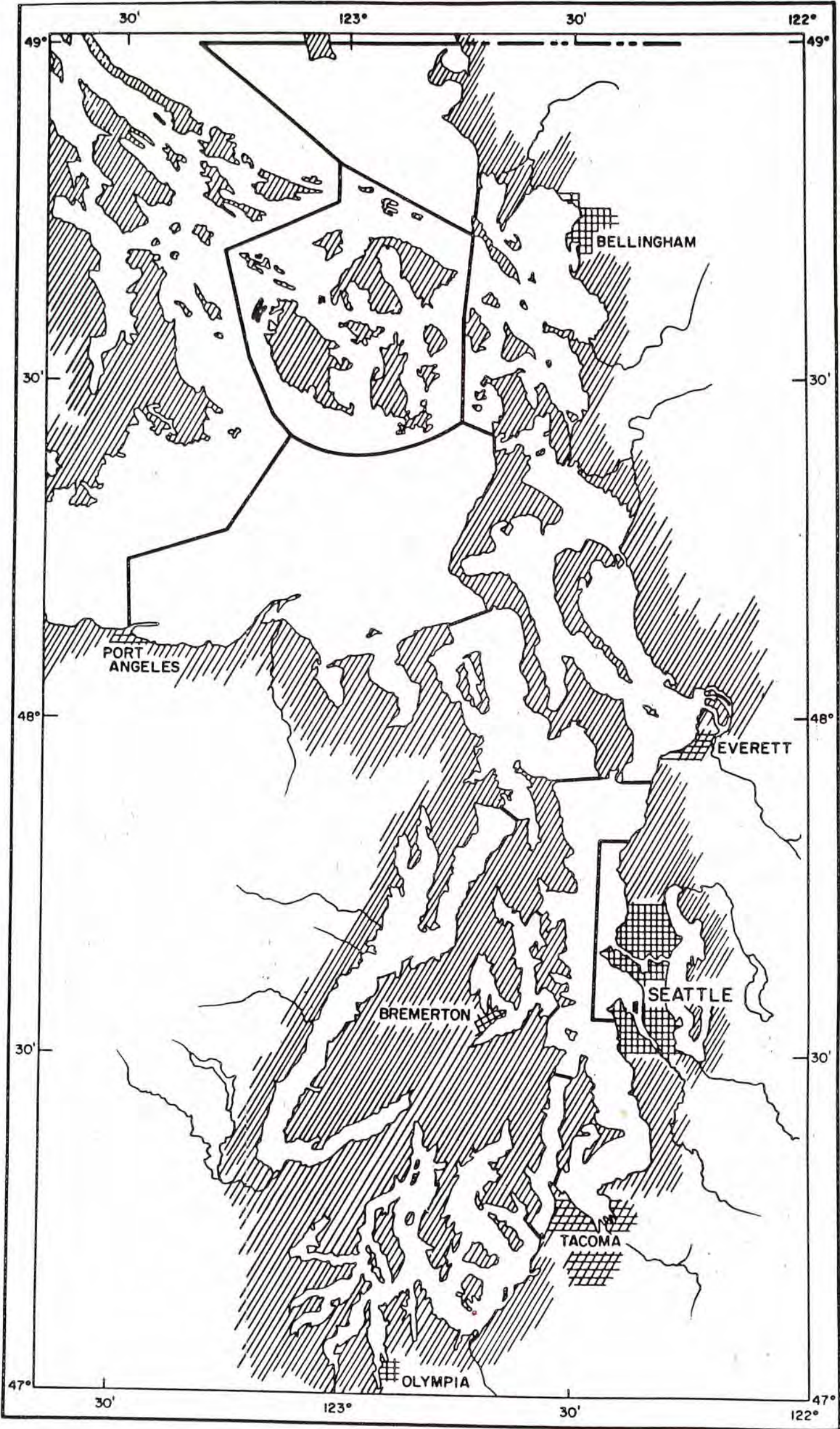


Morone saxatilis

Percichthyidae

Published Records

- 1-E (Holmes Harbor near the herring trap, sport catch): Seattle Post Intelligencer, p. 27, 4/30/68.
- 1-CP (West Pass. across from Vashon Island, gillnetter): Fishing and Hunting News, p. 1, 9/29/73.

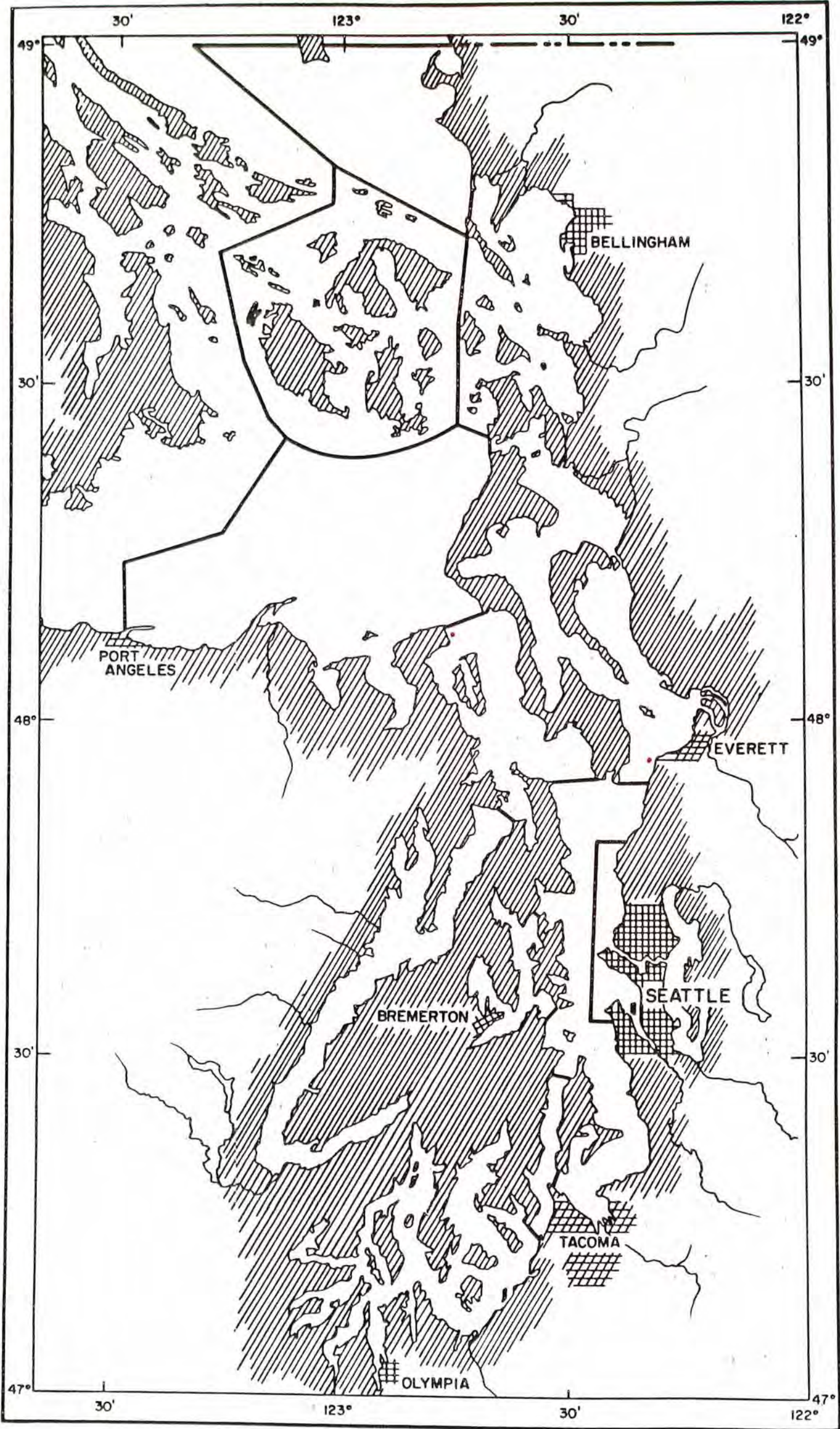


Trachurus symmetricus

Carangidae

Miscellaneous Logs

1-SS (off Lyle Point, Anderson
Island): sport catch by Dr.
Erickson (October 23, 1975),
identified by Ray Buckley.



Brama japonica

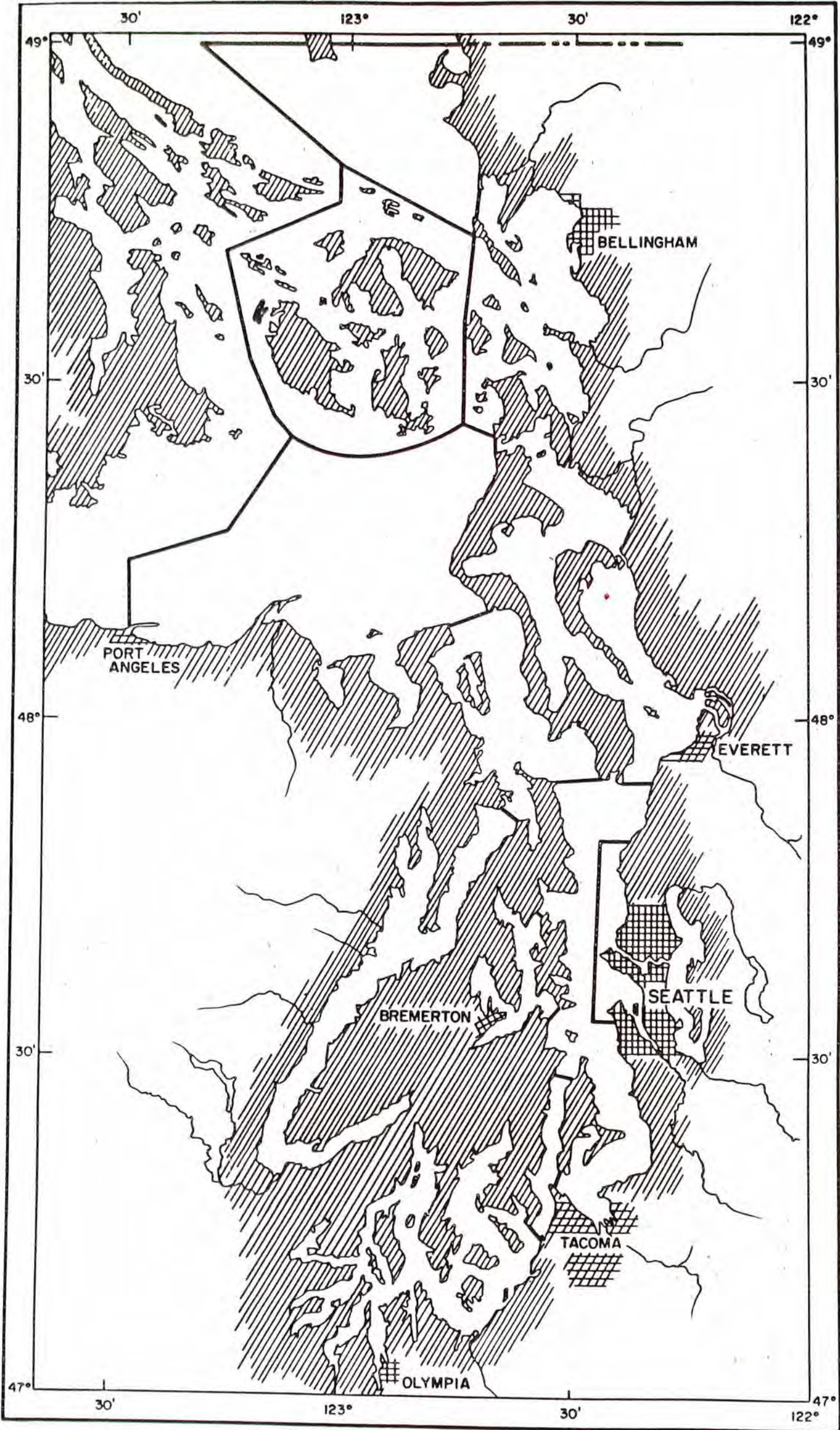
Bramidae

Published Records

- 1-AI (Port Townsend): Bean, 1884;
Jordan and Starks, 1896.
1-PS: Kincaid, 1919.

Miscellaneous Records

- 1-E (Mukilteo): Frank Haw, personal
communication, 6/4/63.

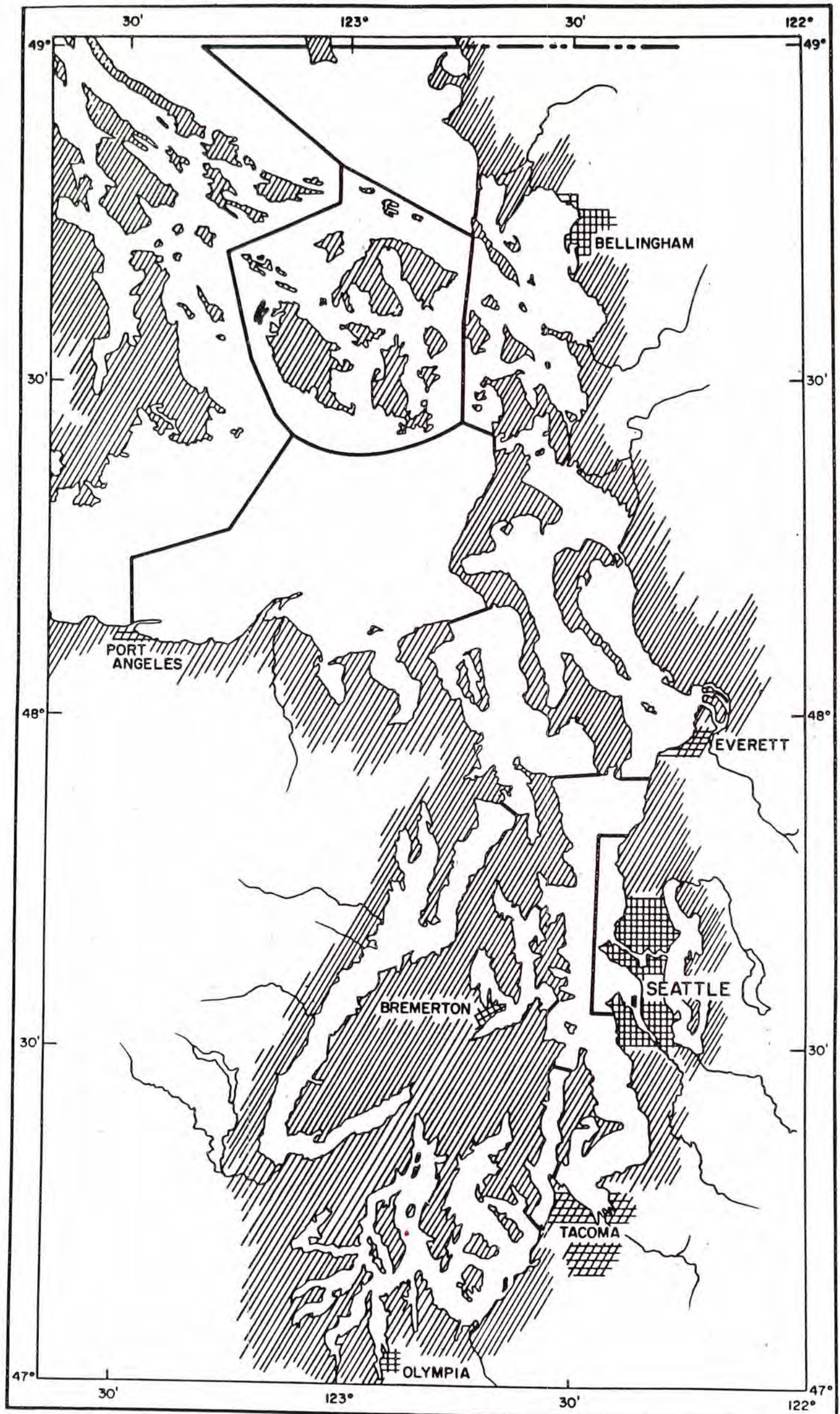


Cynoscion nobilis

Sciaenidae

Published Records

- 1-PS: Kincaid, 1919.
- 1-E (between Camano Island and the mainland, off the Stillaguamish River): Bonham and Olson, 1956.

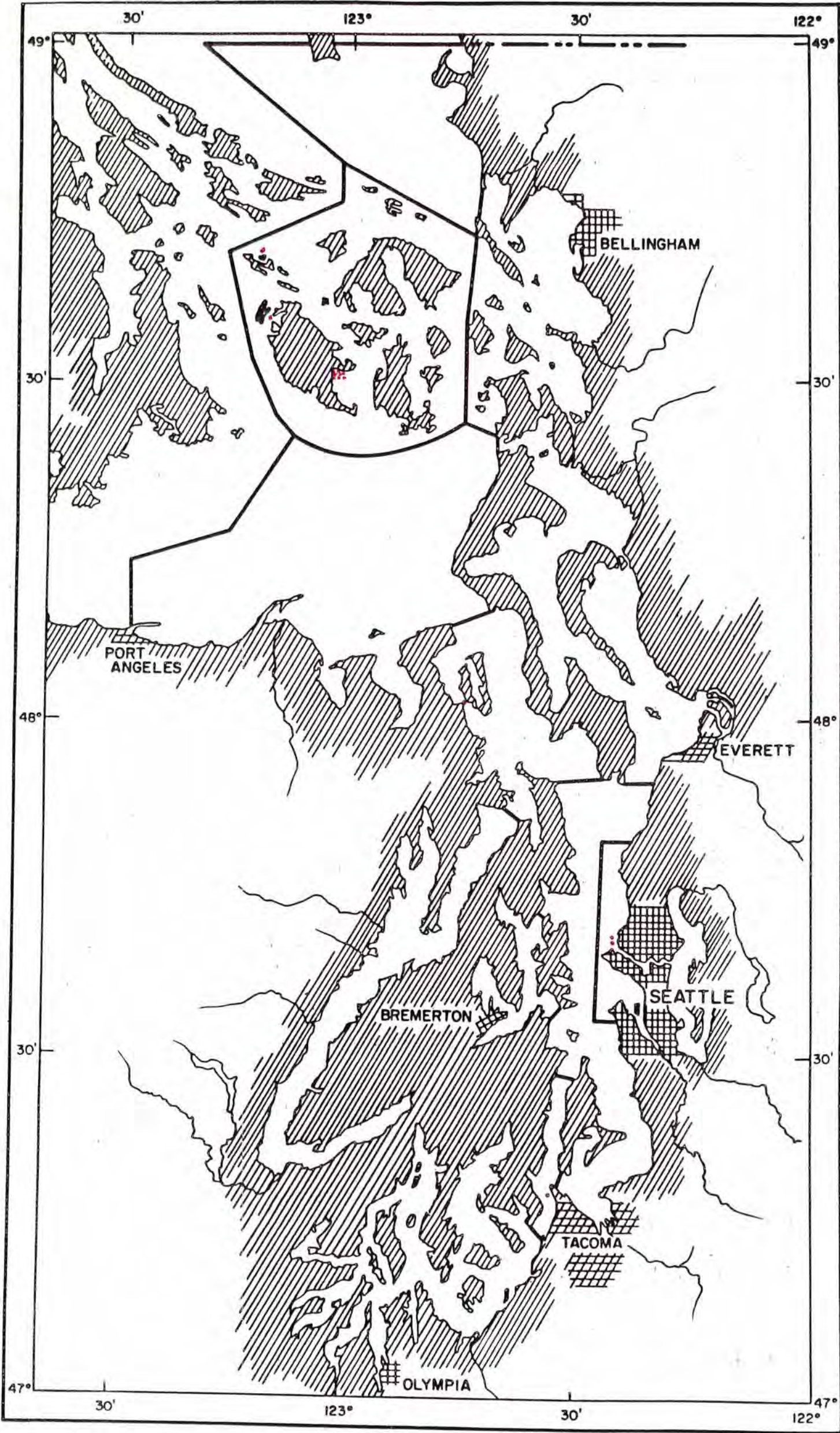


Genyonemus lineatus

Sciaenidae

University of Washington
Museum Collection

1-SS (Case Inlet, near Shelton,
otter trawl, 15 fathoms):
200542.



Brachyistius frenatus

Embiotocidae

Published Records

1-PS: Kincaid, 1919.

University of Washington
Museum Collection

1-CP (Tacoma Narrows): 15199.

Friday Harbor Laboratory Log

1-SJ (Satellite Island): 7/5/51-3.

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

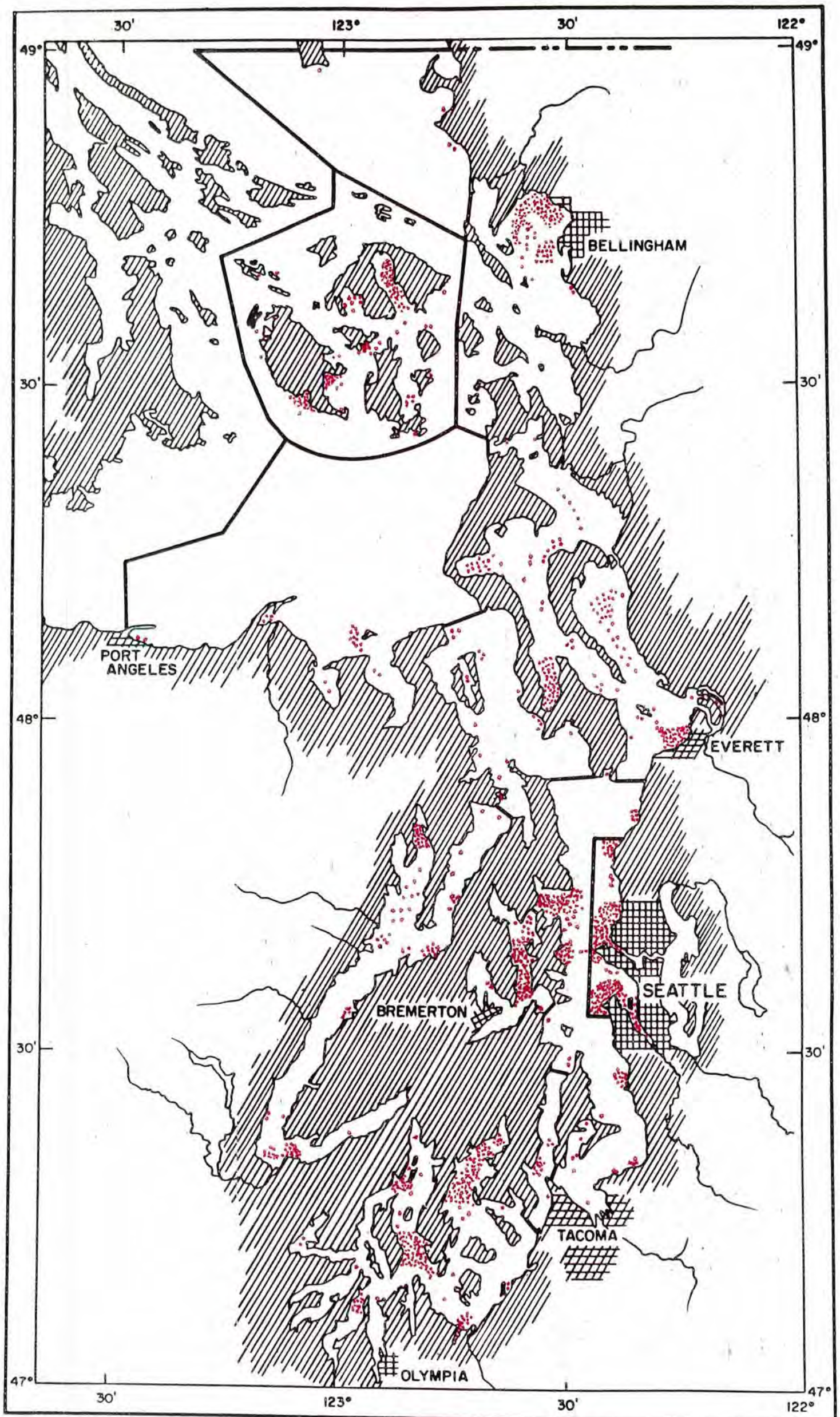
6-SJ (Argyle Bay):
7/21/52; 8/16/55-2; 8/11/60-2;
6/22/61; 7/8/61; 7/12/61-1.

1-SJ (Argyle Lagoon): 7/12/61-2.

Miscellaneous Logs

2-S (Shilshole breakwater): David
Somerton, Diving Log, 1973-74.

1-AI (Port Townsend Canal): David
Somerton, Diving Log, 1973-74.



Cymatogaster aggregata

Embiotocidae

Published Records

- 1-SJ: Gunther, 1862.
 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: Starks, 1911.
 1-SJ (near Friday Harbor): Powers, 1921.
 1-HC (Holly): Schultz and DeLacy, 1935-36.
 2-GS: Smith, 1936.
 4-B (Bellingham Bay): Smith, 1936.
 2-E (Coupeville): Smith, 1936.
 1-JF (Sequim Bay): Smith, 1936.
 1-JF (Discovery Bay): Smith, 1936 (also museum 3871).
 1-SS (Hale Pass.): Smith, 1936.
 1-SS (Carr Inlet): Smith, 1937 (also museum 4343).
 2-SS (Nisqually Flats; Dofflemeyer Point): Smith, 1937.
 1-CS (north of Point Pully): Smith 1937.
 2-E (Gedney Island): Smith, 1937.
 4-E (Columbia Beach; Langley; Elger Bay; Camano): Smith, 1937.
 2-HC (Hoodsport): Smith, 1937 (also museum 3910).
 6-S (Duwamish River estuary): Salo, 1969.
 17-S (Duwamish Head): Salo, 1969.
 5-E (Port Gardner): Salo, 1969.
 6-E (Skagit Bay): Salo, 1969.
 1-SJ (Friday Harbor): Lloyd, 1936.
 48-B (beach seine: Bellingham Bay, north of Eliza Island): Tyler, 1964.
 4-CS (beach seine: south side of Point Jefferson): Kendall, 1966.
 2-CS (beach seine: Dumas Bay): Miller, 1971b.
 4-CS (Seahurst County Park): Miller, 1971a.
 2-HC (Anderson Cove): Chew, 1970.
 5-HC (fyke net: in Big Beef Harbor): Anderson and Chew, 1972.
 1-E (beach seine: Kiket Island): Stober and Salo, 1970a.
 1-SJ (San Juan Island): Weiss, 1969.
 1-S (Alki Point): Suomela, 1931.
 1-SJ: Suomela, 1931.
 1-S (Golden Gardens): Allen et al., 1960 (duplicated in boat log).

University of Washington
Museum Collection

- 3-S (Seattle): 411; 715; 866.
 4-SJ (Squaw Bay): 567; 853; 2298; 2170.

- 13-SJ (False Bay): 571; 573; 2265; 2978; 2998; 3440; 3558; 1125; 1157; 1172; 2155; 9815; 14209 (also Friday Harbor Log, 8/4/52-2).
 1-SJ (East Sound, White Beach): 596.
 6-SJ (East Sound): 634; 698; 16689; 17136; 18682 (also NIH, 1964-66); 18685 (also NIH, 1964-66).
 22-S (Alki Point): 667; 756; 761; 762; 763; 764; 792; 4441; 2914; 3630; 4215; 4340; 4391; 4397; 4462; 4481; 4897; 4907; 860; 1440; 1922; 6196.
 1-SJ (Flat Point): 718.
 1-E (Saratoga Pass., Camano Head): 2536.
 1-E (Saratoga Pass.): 4267.
 7-S (Golden Gardens): 776; 4508; 8181 (also boat 5137A); 8183 (also boat 5215U); 8186 (also boat 5137B); 8187; 8189 (also boat 492E).
 1-SJ (east side of Orcas Island): 851.
 2-SJ: 858; 4311.
 2-SJ (near Peavine Pass.): 1101; 2092.
 1-E (off Everett): 2902.
 1-PO (Seabold): 4341.
 3-CS (Redondo Beach): 4365; 4996; 5127.
 2-AI (Bywater Bay): 4433; 14653.
 1-HC (Squamish Harbor): 4444.
 1-AI (Useless Bay): 4569.
 1-PS: 4634.
 1-CS (Tacoma Smelter): 4665.
 3-E (Steamboat Slough, Snohomish River): 4706; 4707; 9811.
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 1-SS (northwest end of Stretch Island): 5667 (also boat 7/20/49-1).
 1-SS (northwest end of Nisqually Reach): 5675 (also boat 7/20/49-5).
 1-HC (opposite Hoodsport): 5783 (also boat 499F).
 1-SS (Carr Inlet, off Glen Cove): 5811 and 5814 (also boat 5009J).
 1-SS (Case Inlet, west of Herron Island): 5817 (also boat 5009G).
 2-CS (Port Madison): 5879 (also boat 5006D); 6074 (also boat 1/22/49).
 1-PO (Agate Pass.): 4214.
 6-S (Edmonds): 4253; 4921; 5499; 7787; 8184; 11311.
 2-S (Ballard Beach): 4266; 4274.
 2-S (south side of West Point): 4371; 4406.
 1-S (off Ballard Locks): 4378.

Cymatogaster aggregata

Embiotocidae

University of Washington
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1-S (North Beach): 4499.
 2-S (off North Beach): 4661; 4664.
 8-S (Edmonds Beach):
 4560; 5291; 5439; 5460; 5474;
 5513; 5516; 9810.
 5-S (Carkeek Park):
 5527; 5538; 5553; 5560; 5680.
 2-S (beach seine: spit near Ballard
 Locks): 4578; 4616.
 2-S (spit south of Ballard Locks):
 4660; 5383.
 1-CS (beach seine: Redondo Beach):
 4734.
 1-S (Alki Beach house): 4782.
 1-S (Point Edwards to Point Wells):
 4980 and 4988.
 1-S (south of Richmond Beach):
 5054.
 1-S (below Government Locks): 952.
 1-SJ (east side of Shaw Island):
 1323.
 1-S (West Seattle): 1773.
 1-SJ (West Sound): 2223.
 2-S (Richmond Beach):
 5580; 5893 (also boat 2/13/50).
 1-SS (beach seine: mainland opposite
 Stretch Island):
 6122 (also boat 7/20/49-2).
 7-S (off Golden Gardens):
 5847 (also boat 493B); 5984 (also
 boat 495D); 5335 (also boat
 496C); 5731 (also boat 497E);
 6020 (also boat 5009L); 10424
 (also boat 5132A); 16253 (also
 boat 5131C).
 2-S (off Carkeek Park):
 5982 (also boat 5020A); 7991
 (also boat 5212B).
 1-SS (west of Stretch Island):
 7837.
 1-S (1 mile south of Duwamish Head):
 8182.
 1-E (Snohomish River mouth): 8185.
 1-S (south of West Point):
 8188 (also boat 5027D).
 1-SS (beach seine: Carr Inlet, 1
 mile north of Minter Creek):
 8190 (also boat 5126E).
 1-HC (off Thorndike Bay): 8215.
 1-SS (Carr Inlet, off Minter Creek):
 8375 (also boat 5126D).
 2-S (beach seine: Carkeek Park):
 8379 (also boat 5525A,B).
 1-SJ: 9816.
 1-CS (beach seine: Cultus Bay):
 9819 (also boat 5217A).
 1-S (beach seine: Golden Gardens):
 11310 (also boat 5215B).
 1-CS (mid Quartermaster Harbor):
 11312 (also boat 5042D).
 1-S (1/2 mile south of Edmonds
 ferry): 16255.
 1-PO (off Fletcher Bay):
 17112 (also boat 6406C).

1-SJ (Upright Channel): 17211 (also
 Friday Harbor Log, 7/5/63).
 1-S (Ballard Locks): 18683.
 1-SJ (mid East Sound): 18684 (also
 Friday Harbor Log, 6/5/64).
 1-SJ (East Sound, south of Rosario
 Point):
 19576 (also NIH, 1964-66).

Friday Harbor Laboratory Log

1-SJ (Jackle's Lagoon, Cattle
 Point): 6/29/51.
 1-SJ (Argyle Pond): 7/3/52.
 20-SJ (Argyle Bay):
 7/21/52; 7/5/60; 8/16/55-1,2,3,4;
 7/15/60-2; 8/11/60-2,3,4;
 6/22/61; 6/23/61; 7/8/61;
 7/12/61-1,2,3; 7/18/61-2;
 7/15/63; 6/19/69; 7/10/69-4.
 8-SJ (False Bay):
 7/17/50-1; 8/5/60; 6/29/61;
 7/26/61; 6/21/63; 7/1/69-1,2,3,4.
 5-SJ (East Sound):
 8/11/52; 7/26/60-1; 8/13/60-1;
 6/20/61; 5/11/62.
 1-SJ (north side of Johns Island,
 second bay): 8/19/52-1.
 2-SJ (lower East Sound):
 7/28/55-2; 8/11/55-3.
 1-SJ (south of Satellite Island):
 8/15/55-2.
 3-SJ (Squaw Bay):
 8/1/55; 8/1/60-1; 7/10/61-1.
 1-SJ (outside False Bay):
 8/17/55-2.
 1-SJ (west of Decatur Head):
 7/24/50-1.
 1-SJ (West Sound and Lopez Sound):
 6/27/60.
 8-SJ (Argyle Lagoon): 7/2/60;
 7/11/60-1; 7/15/60-3; 7/31/60;
 8/11/60; 7/12/61-2; 7/10/69-2,3.
 5-SJ (West Sound):
 7/26/60-2; 8/13/60-2; 6/26/61;
 7/27/63-B; 6/20/69-2.
 2-SJ (Mitchell Bay):
 8/16/60-1; 7/17/61-2.
 1-SJ (Westcott Bay): 8/16/60-2.
 1-SJ (White Beach): 8/16/60-4.
 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.
 5-SJ (mid East Sound):
 1/17/64; 2/21/64; 4/3/64;
 7/11/64; 6/20/69-1.
 2-SJ (Upright Head to Olga):
 8/1/60-2; 7/10/61-2.
 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 (False Bay): 6/23/73.
 1-SJ (Argyle Lagoon): 7/9/73.

Cymatogaster aggregata

Embiotocidae

University of Washington Boat Log

- 1-SJ (Lopez Sound, west of Ram Island): 5033R.
- 14-SJ (training cruise area: East Sound, north of Rosario Point): 6603H; 6614H; 6620H; 6630H; 6722H; 6815H; 6819H; 6908H; 6914H; 7010H; 7017H; 7118H; 7307H; 7313H.
- 4-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I; 7110I; 7118I; 7307I.
- 2-B (Bellingham Bay): 6715G; 6822G.
- 16-B (training cruise area: Bellingham Bay, southwest of Post Point): 6603G; 6614G; 6620G; 6630G; 6722G; 6819G; 6826G; 6908G; 6914G; 7010G; 7017G,G.1; 7118G; 7307G; 7313G.
- 11-HC (Dabob Bay): 6202A,F; 7205N; 7102A,B,E,H,K,L; 7112A,B.
- 1-HC (just south of floating bridge): 7112D.
- 2-HC (west of Seabeck Bay and Misery Point): 6902J; 7202A.
- 8-HC (off Pleasant Harbor): 6828E; 6902K,L; 7003I,J,K; 7202C; 7303G.
- 29-HC (Dabob Bay, Broad Spit to Long Spit): 6503A,B,G; 6601A,C,D; 6629A,D,E; 6702D,F; 6804A,F; 6807A,B; 6828A,B; 6902E,F; 7003A; 7202D,E,H,I,J; 7303C,B,D,F.
- 1-HC (opposite Vinland): 7112C.
- 2-HC (Anderson Cove): 7009B,D.
- 1-AI (Tala Point to Hood Head): 6902M.
- 1-AI (east side of Hood Canal entrance, just south of Foulweather Bluff): 7112E.
- 1-AI (Oak Bay, north of Olele Point): 5009C.
- 2-E (Port Susan, off Warm Beach): 5023A,B.
- 1-E (Port Susan, off Spee-Bi-Dah): 5023D.
- 1-E (mouth of Penn Cove, off Long Point to off Snatelum Point): 5213A.
- 1-E (Penn Cove, off Coupeville to off Lovejoy Point): 5213B.
- 12-E (Holmes Harbor, south of Classic): 5305B,G; 5307F,G,P,U; 5312B,C,E,L,N; 5501C.
- 1-E (Holmes Harbor, Dines Point to Classic): 5305C.
- 11-E (Holmes Harbor): 5305I,L,M; 5325B; 5327A,B; 5420A; 5522D; 5604D; 5703E,H.
- 1-E (Holmes Harbor, Rocky Point to Dines Point): 5307K.
- 3-E (Penn Cove, beach seine at Good Beach): 5316F,G,H.
- 3-E (Penn Cove): 5405K; 5614J; 5810H.
- 1-E (Saratoga Pass.; Onamac Point to Indian Beach): 5405L.
- 1-E: 5712B.
- 1-E (Saratoga Pass., Snatelum Point to Onamac Point): 5712C.
- 2-E (training cruise area: off Penn Cove): 6826E; 7118E.
- 2-E (training cruise area: Saratoga Pass., north of Langley): 6630D; 7017D.
- 1-E (training cruise area: east of Gedney Island): 6815C.
- 1-E (Port Susan, off Kayak Point): 6702B.
- 2-E (Port Susan, north of Kayak Point to Tulalip): 7112.
- 1-E (Saratoga Pass., Elger Bay): 7112.
- 2-AI (training cruise area: east of north Marrowstone Island): 6614J; 6630J.
- 6-CS (Port Madison): 1/22/49; 5043A; 5132D; 6203A; 6204B; 5302X.
- 1-CS (head of Quartermaster Harbor): 5042B.
- 1-CS (Tramp Harbor): 5104A.
- 1-CS (off Port Madison): 5043B.
- 2-CS (mouth of Quartermaster Harbor): 5104B; 5115H.
- 3-CS (off Agate Pass.): 5232A; 5302AA; 5310.2F.
- 3-CS (east of Point Monroe): 5805C; 5813B,C.
- 1-CS (beach seine: south of Fay Bainbridge State Park): 5806B.
- 31-CS (Murden Cove): 6610B,D; 6612B; 6613B; 6616; 6710A,B2,C2; 6713C,D,G,H; 6806B; 6809A; 6812E; 6818A,B,C; 6819X; 6821.5G,H,I; 6823-1,2,3; 6906D,E,G; 6912; 7008A; 4/4/73B.
- 2-CS (Vashon Island, off Sylvan Beach): 6703A,B.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 1-CS (training cruise area: mid-channel, Skiff Point to West Point): 6614B.
- 1-CS (off West Point): 7017Y.
- 1-CS (Manchester): 6618.
- 5-PO (Agate Pass, buoy N4 to N6): 5048A; 5131A; 5132C; 5310.5J; 6617B.
- 49-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5206B; 5223B; 5236E; 5301B; 5310.3B; 5317A,B; 5420X; 5413A; 5809A; 5523A; 5707B,G,H; 5709C; 5904B; 5907A; 5915B; 5919A; 5923B; 5924B; 6001AM,AN; 6008A; 6016B1,A2,B2,A3,B3,A4,A5,B5; 6101A; 6109A; 6111A,B; 6119J; 6201; 6205D1,D2,D3; 6307; 6320A; 6403AF; 6425-1A,2A; 6427A; 6507K; 6707.
- 1-PO (off Battle Point and north): 5310.3A.

Cymatogaster aggregata

Embiotocidae

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- 1-PO (Point Bolin to Keyport):
5310.4D.
- 3-PO (off Manzanita to off Seabold):
5310.5B,E; 6215A.
- 5-PO (off south of Fletcher Bay):
5413D; 5801A,C; 6016B4; 6118C.
- 21-PO (most probably off Fletcher Bay):
6002A; 6009A; 6203C; 6204A; 6214;
6711C; 6713A,B,E,F; 6715;
6821.5F; 7011A; 7020; 7104-1,2;
7105-1,2; 7107; 7302A; 7313X.
- 1-PO ("B-2" to "B-1"): 6205C3.
- 2-PO (beach seine: 1 mile north of Illahee Dock): 6205A3.1,A3.2.
- 1-PO (off Seabold Wharf): 6617A.
- 1-PO (Brownsville to White Point):
6806A.
- 12-S (off Meadow Point to Carkeek):
4/16/49-3; 5203A; 5211B,C; 5212C,
D,E; 5216A; 5606A; 6506C; 7119A,
B; 7120A.
- 38-S (off Golden Gardens to Meadow Point):
494D,E; 4910A; 5007C;
5008B,C; 5014C; 5017C,D; 5028A,C;
5110B; 5112C,E; 5119C,G,H; 5129C;
5132B; 5203D; 5314C; 5329C,D;
5512G; 5607B; 5702AN; 5704E;
5707J,K; 5907C,D; 5920B,E,F;
6112B; 6114A; 6206B; 6510C.
- 99-S (beach seine: Golden Gardens to Meadow Point):
5001; 5007D;
5015A,C; 5016C; 5019B,C; 5024C;
5032.1A,.1C; 5036A; 5040A; 5047A,
B,C; 5105A,B; 5110H; 5114A,B,C,D;
5116C1,C2,E; 5121B; 5127C; 5129B;
5134A,B; 5209C,D; 5214A,B; 5215E,
F,G,I,J,K,L,N; 5320A; 5322A;
5324E; 5326A; 5328A; 5329E;
5404A; 5412A; 54150,B,P; 5417A;
5419; 5424A,B; 5505D,E,F; 5508C,
D,; 5510E,F; 5513C; 5514C,D;
5609A; 5612A; 5706A; 5710B,D;
5807A,B; 5913B; 5920N,O; 6019A;
6210C; 6211; 6-6309; 6417;
4-6310; 6319; 6411A,B; 6508D;
6509D; 6518A,B; 6716A.
- 14-S (beach seine): Carkeek Park):
5219A,B,; 5220A,C; 5221B,C;
5225A,B; 5231A; 5708A,B,C; 5808A,
B.
- 1-S (off Alki Point to off Duwamish Head): 5702AM.
- 1-S (beach seine: north side of West Point): 7311A.
- 4-S (Golden Gardens):
6311A; 6511D,E,F.
- 13-S (beach seine: Alki Point to Duwamish Head): 13-6619.
- 1-S (off West Point sewer outfall):
6718-6.
- 1-S (off West Point): 6721-A2.
- 1-S (1 mile southwest of West Point): 6806C.
- 3-CP (off Camp Sealth):
5009E; 5104CC,DD.

- 1-SS (north end of Pickering Pass to off McLane Cove): 5009H.
- 1-SS (off east side of Cutts Island, Carr Inlet): 5037D.
- 1-SS (beach seine: Carr Inlet, west side of Cutts Island): 5037E.
- 8-SS (Carr Inlet, off Wauna):
5037I; 5101A; 5104F,G,W; 5126L;
5227A,C.
- 14-SS (Carr Inlet, off Glen Cove to off Cutts and Raft Islands):
5045H,K; 5101B; 5102A; 5104K,L,M,
Y,Z,AA; 5115F; 5126M; 5213D;
5227B.
- 16-SS (Carr Inlet, Minter Creek to Elgin): 5045J; 5046C; 5101C;
5102C; 5104D,V,X; 5107A; 5126F;
5135A,B,D; 5213F; 5227D,E,I.
- 2-SS (Oakland Bay, off Shelton):
5115B,C.
- 1-SS (Totten Inlet, Windy Point to Steamboat Island): 5115D.
- 1-SS (Case Inlet, off Victor):
5126G.
- 1-SS (off McLane Cove to Stretch Island): 5201L.
- 1-SS (east of Hartstene Island, Case Inlet): 6724C.
- 5-SS (Carr Inlet):
5522C,A; 5703B,C,D.
- 1-SS (trap: Eld Inlet): 6219-2.
- 1-SS (Drayton Pass.): 6724D.
- 2-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-1,2.

Miscellaneous Logs

- 1-HC (beach seine: Twanoh State Park): R. Dryfoos, personal communication, 9/63.
- 10+-S (beach seine: Duwamish River estuary): Metro, 1963-70.
- 10+-S (Duwamish River estuary):
Metro, 1966-70.
- 50+-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 50+-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 287-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 50+-S (Golden Gardens to Meadow Point):
U.W. Ocean., Hoh, 1963-67.
- 50+-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.
- 50+-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 21-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 6-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.

Cymatogaster aggregata

Embiotocidae

Miscellaneous Logs

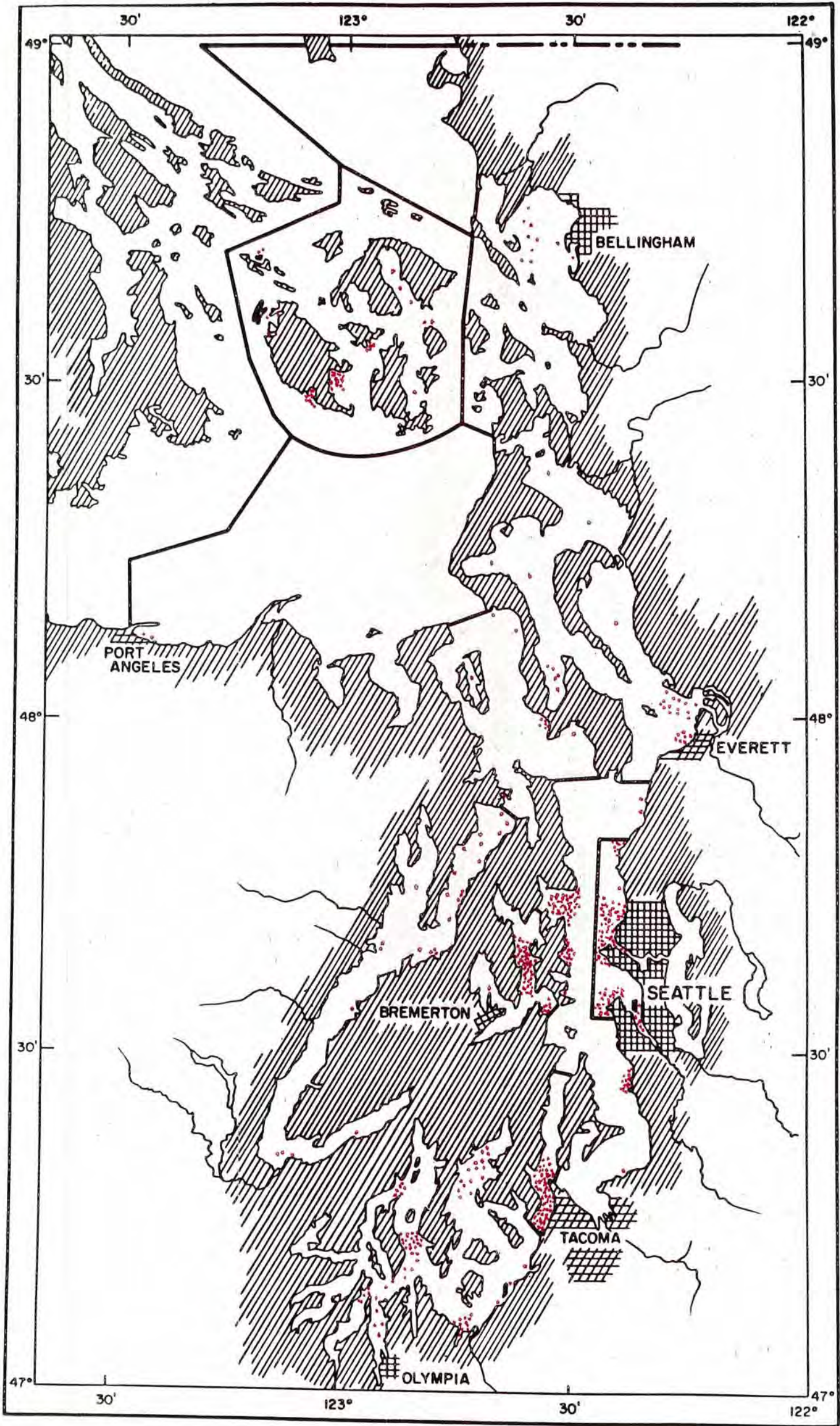
- 5-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 5-E (off Rocky Point to off Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Saratoga Pass., Rocky Point):
U.W. Ocean., Hoh, 1963-67.
- 7-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 1-CS (herring trawl: Skiff Point to Point Jefferson):
U.W. Ocean., 1968-69.
- 2-SS (herring trawl: mouth of Carr Inlet):
U.W. Ocean., 1968-69.
- 9-PO (herring trawl: south of Fletcher Bay):
U.W. Ocean., 1968-69.
- 3-AI (east of Port Townsend):
NMFS, Cobb-35.
- 2-B (Bellingham Bay, Eliza Island):
NMFS, Cobb-68.
- 1-E (Elger Bay):
NMFS, Cobb, 1/20/61.
- 17-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 1-SJ (East Sound): NIH, 1968-71.
- 1-SJ (False Bay): NIH, 1968-71.
- 1-B (Bellingham Bay, off Nooksack River to Marine Drive):
NIH, 1968-71.
- 13-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 1-S (Duwamish Head to Alki Point):
NIH, 1968-71.
- 2-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.
- 11-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 4-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
- 14-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 5-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 4-JF (beach seine: Dungeness embayment):
Peninsula College, 1971.
- 1-JF (beach seine: Port Angeles embayment):
Peninsula College, 1971.
- 1-JF (Discovery Bay):
Battelle, 1967-69.
- 1-JF (lower half of Sequim Bay):
Sea Grant, 71110.
- 1-CS (Port Madison): Bruce Miller, Diving Log, 9/22/64.
- 1-S (Edmonds ferry dock): Bruce Miller, Diving Log, 10/11/64.
- 10-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-S (Alki Point):
S.L. Ralston, Diving Log, 1971.
- 1-CP (Salmon Beach):
S.L. Ralston, Diving Log, 1971.
- 4-S (Golden Gardens):
S.L. Ralston, Diving Log, 1971.
- 1-AI (South Whidbey State Park):
S.L. Ralston, Diving Log, 1971.
- 1-E (Bowman Bay):
S.L. Ralston, Diving Log, 1971.
- 8-CP (beach seine: Gig Harbor spit):
Sea Grant, 72003 (also boat 7208).
- 2-CP (off Gig Harbor spit): Sea Grant, 72003 (also boat 7208).
- 3-GS (Birch Bay; Cherry Point; Point Roberts): Al Millikan, personal communication, 2/17/70.
- 1-GS (south of Cherry Point):
Sea Grant, 72009.
- 3-S (Duwamish River estuary, 16th Ave. S. to 1st Ave. S. bridge):
Sea Grant, 72010.
- 2-AI (beach seine: Mutiny Bay):
Sea Grant, 72015.
- 5-CS (beach seine: Seahurst County Park): Sea Grant, 72016.
- 2-PO (beach seine: Dyes Inlet, Tracyton launch ramp):
Sea Grant, 72018.
- 3-SS (beach seine: Nisqually Head):
Sea Grant, 72021.
- 9-S (beach seine: Golden Gardens):
Sea Grant, 1972.
- 4-S (Duwamish River estuary, 16th Ave. S. to 1st Ave. S. bridge):
Sea Grant, 72024.
- 1-CP (off Gig Harbor spit):
Sea Grant, 72025.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 2-B (beach seine: Wildcat Cove):
Sea Grant, 72029.
- 3-SS (beach seine: Nisqually Head):
Sea Grant, 72030.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72031.
- 2-AI (beach seine: Mutiny Bay):
Sea Grant, 72033.
- 1-SS (off Nisqually Delta):
Sea Grant, 72034.
- 3-B (Bellingham Bay, off Nooksack River): Sea Grant, 72035.
- 1-B (Bellingham Bay, east of Eliza Island): Sea Grant, 72035.
- 17-S (beach seine: north side of West Point): Sea Grant, 1973.
- 13-S (beach seine: south side of West Point): Sea Grant, 1973.
- 6-CS (beach seine: at Lunds Gulch, north of Meadowdale):
Sea Grant, 73002.
- 9-S (off northwest side of West Point): Sea Grant, 1973.
- 6-S (off southwest side of West Point): Sea Grant, 1973.
- 4-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.

Cymatogaster aggregata

Embiotocidae

Miscellaneous Logs

- 4-S (southwest of Alki Point):
Sea Grant, 1973.
- 2-S (deep otter trawl: off southwest
of Alki Point): Sea Grant, 1973.
- 4-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.
- 2-S (Duwamish River estuary,
downstream from 1st Ave. S.
bridge): Sea Grant, 1973.
- 2-SS (off Nisqually River delta):
Sea Grant, 1973.
- 8-SS (McAllister Creek estuary):
Sea Grant, 1973.
- 2-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
- 4-SS (McLane Cove toward 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.
- 10-HC (off Union):
Sea Grant, 1973-74.
- 6-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 8-HC (off Skokomish River delta):
Sea Grant, 1973-74.
- 1-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 4-HC (deep otter trawl: mid-channel,
off Skokomish River delta):
Sea Grant, 1973-74.
- 1-HC (Carlson Point to King Spit):
Sea Grant, 73039.
- 3-HC (Bangor Annex): Kramer, Chin,
and Mayo, NCEL Survey, 1973.
- 3-SS (Cormorant Pass.):
Sea Grant, 73059, 73060.
- 2-B (Bellingham Bay): Tyler, 1965.
- 1-SS (Carr Inlet): WSDF, Commercial
Catch Comp., 1966-71.
- 1-JF (west of Protection Island):
NMFS, Cobb-35.



Embiotoca lateralis

Embiotocidae

Published Records

1-SS (Fort Steilacoom):
 Girard, 1859; Suckley, 1860;
 Girard, 1856a.
 1-JF (beach seine: Port Angeles):
 Gilbert, 1895.
 1-AI (Kilisut Harbor):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-E (Skagit and Similk Bays):
 Stober and Salo, 1970a.
 1-S (Duwamish River): Salo, 1969.
 1-S (Duwamish Head): Salo, 1969.
 1-E (Skagit Bay): Salo, 1969.
 3-S (Alki Point; off Ballard Locks;
 Edmonds Beach):
 Sivalingam, 1953.
 6-S (Golden Gardens):
 Sivalingam, 1953.
 10-S (Carkeek Park):
 Sivalingam, 1953.
 8-B (beach seine: Bellingham Bay,
 north of Eliza Island):
 Tyler, 1964.
 1-CS (Dumas Bay): Miller, 1971b.
 1-CS (Seahurst County Park):
 Miller, 1971a.
 10+-SS (Case Inlet to Olympia):
 Haw and Buckley, 1971.
 50+-CP (Tacoma Narrows):
 Haw and Buckley, 1971.
 2-HC (fyke net: in Big Beef Harbor):
 Anderson and Chew, 1972.
 1+-SJ: MacPhee and Clemens, 1962
 (also Friday Harbor Lab Log).
 10+-HC (north part):
 Haw and Buckley, 1971.

University of Washington
Museum Collection

1-S (Seattle): 93.
 3-SJ (False Bay):
 572; 2266; 14212 (also Friday
 Harbor Log, 8/4/52-2).
 1-SJ (East Sound, White Beach):
 595.
 1-SJ: 731.
 12-S (Alki Point): 766; 875; 931;
 1441; 1920; 3124; 3633; 4217;
 4372; 4395; 4412; 4908.
 4-S (Golden Gardens):
 770; 798; 17131; 18050.
 1-SJ (near Peavine Pass.): 1102.
 1-SJ (Peavine Pass.): 2091.
 1-SJ (Squaw Bay): 2301.
 1-AI (Useless Bay): 4415.
 1-AI (Bywater Bay): 4455.
 1-PS: 4636.
 1-S (Shilshole Bay): 15449.
 1-S (off Ballard Locks): 4380.
 1-S (south of Ballard Locks): 4843.
 2-S (beach seine: spit near Ballard
 Locks): 4582; 4618.

3-S (off Golden Garden): 5853 (also
 boat 493B); 5983 (also boat
 495D); 5836 (also boat 496C).
 3-S (Edmonds): 4930; 5226; 4910.
 5-S (Edmonds Beach):
 5409; 5461; 5475; 5512; 5517.
 7-S (Carkeek Park):
 5528; 5540; 5551; 5562; 5678 and
 5679; 5701; 11687.
 1-S (Duwamish Head): 8113.
 1-S (beach seine: Golden Gardens):
 8159 (also boat 5137A).
 1-S (Duwamish River): 11315.
 2-S (beach seine: Carkeek Park):
 14210 (also boat 5219A); 14211
 (also boat 5221B).
 1-SS (beach seine: 1 mile north of
 Minter Creek):
 14213 (also boat 5126E).
 1-SJ (Upright Channel): 17203.

Friday Harbor Laboratory Log

2-SJ (Satellite Island):
 7/5/51-3; 7/10/50-6.
 1-SJ (San Juan Island, White Point):
 7/19/51-1.
 15-SJ (Argyle Bay):
 7/21/52; 8/16/55-2,3; 7/5/60;
 8/11/60-2,3; 6/22/61; 6/23/61;
 7/8/61; 7/12/61-1,3,4; 7/18/61-2;
 7/15/63; 7/10/69-4.
 2-SJ (False Bay): 8/5/60; 6/29/61.
 3-SJ (Squaw Bay):
 8/1/55; 8/1/60-1; 7/10/61-1.
 1-SJ (outside False Bay):
 8/17/55-2.
 1-SJ (Argyle Lagoon): 8/11/60.
 1-SJ (Mitchell Bay): 8/16/60-1.
 1-SJ (Westcott Bay): 8/16/60-2.
 1-SJ (North Bay): 8/18/60-1.
 1-SJ (San Juan Island): 5/62.
 2-HC (off Pleasant Harbor):
 7202C; 7003I.
 1-CS (beach seine: south of Fay
 Bainbridge State Park): 5806A.
 11-CS (Murden Cove):
 6710A; 6821.5H; 6610C; 6612B;
 6713C,G; 6812B,C; 6818A,C; 6823.
 2-E (Holmes Harbor): 5522D; 5604D.
 1-E (Saratoga Pass., south of
 Snatelum Point): 5712C.
 2-PO (off Fletcher Bay):
 5413E; 7206.
 3-PO (probably off Fletcher Bay):
 6214; 6916H; 7104-1.
 23-S (off Golden Gardens to Meadow
 Point): 494B; 498A; 5009K;
 5014C; 5110B; 5112C; 5119H;
 5131C; 5132A,B; 5203D; 5233B,C;
 5329D; 5512G; 5607B; 5907C;
 5920F; 6018A; 6112B,C; 6026A,B.
 5-S (beach seine: Alki Point to
 Duwamish Head): 5-6619.

Embiotoca lateralis

Embiotocidae

Friday Harbor Laboratory Log

- 125-S (beach seine: Golden Gardens to Meadow Point): 492E; 5007D; 5012C; 5016A,C; 5018A; 5019B,C; 5021A,D,F,G; 5024A,C,D; 5030B; 5032.1A,.1C; 5036A; 5040A; 5047A, B,C; 5108A; 5110G,H; 5112F,G; 5114B,D; 5116A,B,Cl,Dl,E; 5119F; 5121B; 5127C; 5129B; 5134A,B; 5137B; 5209C,D; 5214A1,A2,B,C,Dl, D2,E1,E2,F1,F2; 5215U,B,C,G,K; 5320A; 5322A; 5324E; 5406; 5407; 5409; 5415J,G; 5417A; 5609A,B; 5612A; 5706A,B,C; 5710B,C,D; 5804A; 5807A,B; 5913B; 5914A; 5920L,O; 5925A; 6014A; 6019A,B,C; 6115A,B; 6116A,B; 6207B,C; 6210C; 6211; 3-6309; 4-6310; 6311B,C; 6319; 6410B,C; 5-6417; 6508C,D; 6509A,B,D; 6513A; 6518A; 6711B2; 6716A; 7209B,D.
- 15-S (beach seine: Carkeek Park): 5022A; 5219B; 5220A; 5221C; 5225A,B; 5231A; 5311A; 5313C; 5708A,B,C,D; 5808A,B.
- 5-S (off Meadow Point to Carkeek Park): 5211A; 7119A,B; 7120A,B.
- 5-S (beach seine: north side of West Point): 7310B1,B2,B3; 7311A,B.
- 2-S (Golden Gardens): 6311A; 6511F.
- 2-S (off Meadow Point): 6506A,C.
- 1-S (Meadow Point to Richmond Beach): 6429A.
- 2-S (off Alki Point to Duwamish Head): 6615A,B.
- 1-SS (north end of Pickering Pass. to off McLane Cove): 5009H.
- 1-SS (beach seine: Carr Inlet, west side of Cutts Island): 5037E.
- 3-SS (off Minter Creek to Elgin): 5101C; 5104D; 5135D.
- 6-SS (Carr Inlet, off Glen Cove to Raft and Cutts Islands): 5045H; 5101B; 5104K,L,M,N.
- 2-SS (Carr Inlet): 5522C; 5605B.
- 1-SS (trap: Eld Inlet): 6219-2.
- 1-SJ (training cruise area: East Sound, north of Rosario Point): 7017H.
- 1-B (training cruise area: Bellingham Bay, southwest of Post Point): 7017G.
- 1-HC (Dabob Bay): 7102B.
- 1-SJ (training cruise area: south-west of Center Island): 7017I.
- 1-PO (probably off Fletcher Bay): 7313X.
- 1-S (West Point to Magnolia): Metro, 1963-70.
- 9-S (beach seine: Duwamish River estuary): Metro, 1963-70.
- 1-S (Duwamish River estuary): Metro, 1966-70.
- 5-S (Duwamish Head): U.W. Ocean., 1964-67.
- 1-S (Duwamish River): U.W. Ocean., 1964-67.
- 7-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
- 50+-PO (just south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
- 50+-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-67.
- 17-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck): U.W. Ocean., Hoh, 1963-67.
- 14-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
- 3-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 29-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
- 1-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.
- 1-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 11-S (Golden Gardens to Meadow Point to Carkeek Park): NIH, 1968-71.
- 1-PO (Clam Bay): NIH, 1968-71.
- 1-CS (Port Madison): Van Cleve, trap, 1961-65.
- 1-PO (off Fletcher Bay): Van Cleve, trap, 1961-65.
- 3-SS (Eld Inlet entrance): Van Cleve, trap, 1961-65.
- 3-E (Holmes Habor): Van Cleve, trap, 1961-65.
- 1-E (Penn Cove): Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Port Angeles embayment): Peninsula College, 1971.
- 2-CS (3-Tree Point): Bruce Miller, Diving Log, 9/64.
- 1-S (Edmonds ferry dock): Bruce Miller, Diving Log, 10/11/64.
- 1-SJ (East Sound): Bruce Miller, Diving Log, 10/18/64.
- 1-CS (3-Tree Point): Bruce Miller, Diving Log, 2/3/67.
- 1-S (Alki Point): Bruce Miller, Diving Log, 5/17/68.
- 1-CS (reef on north side of Bainbridge Island): Bruce Miller, Diving Log, 6/21/68.
- 1-CS (Port Blakely): Bruce Miller, Diving Log, 7/12/68.
- 1-S (Golden Gardens): Bruce Miller, Diving Log, 12/4/68.

Miscellaneous Logs

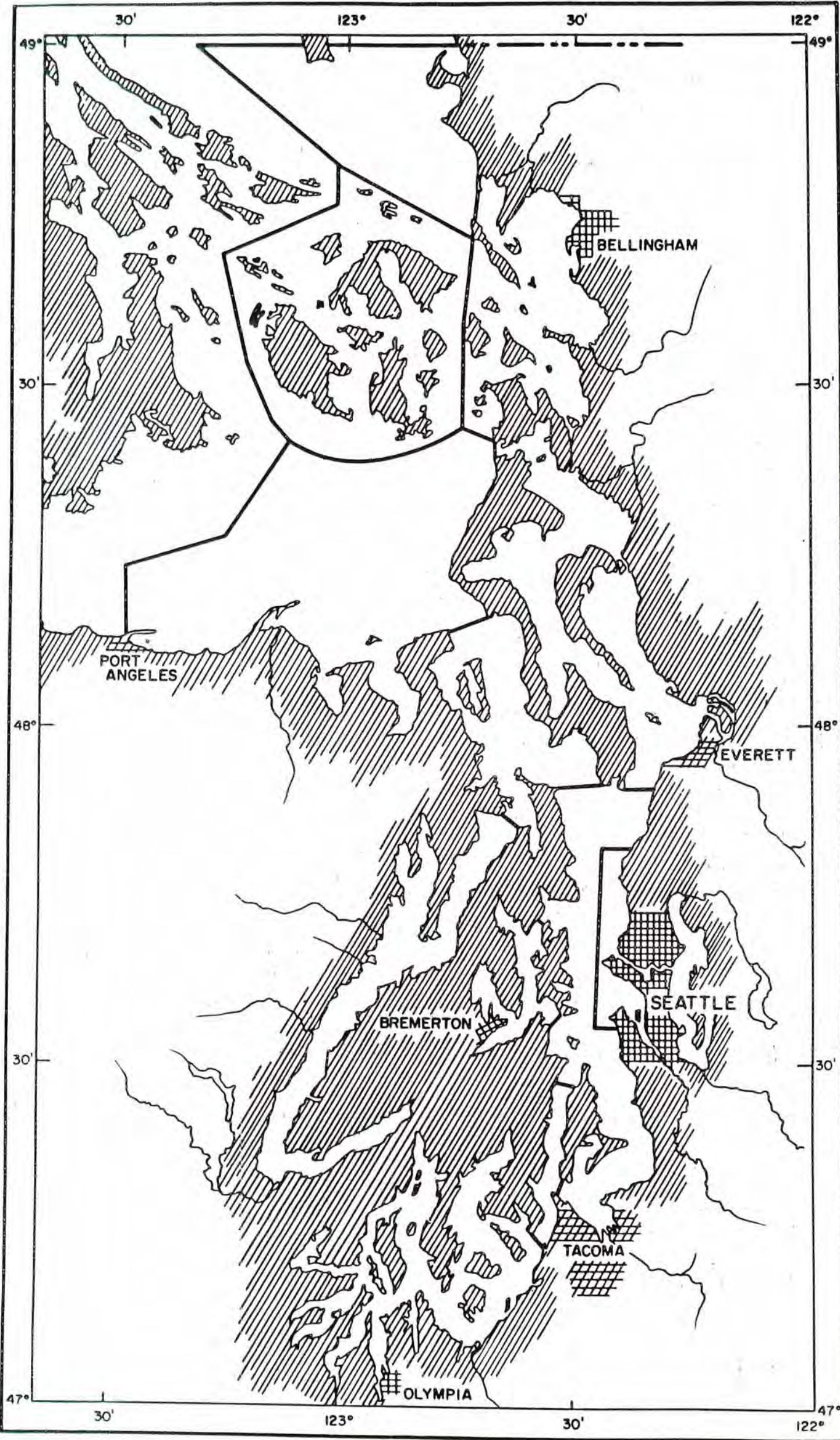
- 10+-E (east of Geedney Island): R. Tyler, personal communication, 6/3/63.
- 1-HC (beach seine: Twanoh State Park): R. Dryfoos, personal communication, 9/63.

Embiotoca lateralis

Embiotocidae

Miscellaneous Logs

- 2-PO (Clam Bay):
Bruce Miller, Living Log, 1970.
- 1-PO (Orchard Rocks): Bruce Miller,
Diving Log, 9/11/70.
- 1-CS (Picnic Point): Bruce Miller,
Diving Log, 10/2/70.
- 2-S (Golden Gardens):
S.L. Ralston, Living Log, 1971.
- 1-AI (South Whidbey Island State
Park):
S.L. Ralston, Living Log, 1971.
- 1-S (south of Carkeek Park):
Sea Grant, 3/17/71.
- 13-CP (beach seine: Gig Harbor
spit): Sea Grant, 72003 (also
boat 7208).
- 1-S (Duwamish River estuary, 16th
Ave. S. to 1st Ave. S. bridge):
Sea Grant, 72010.
- 5-CS (beach seine: Seahurst County
Park): Sea Grant, 72016.
- 1-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.
- 3-SS (beach seine: Nisqually Head):
Sea Grant, 72021.
- 3-CP (off Gig Harbor spit):
Sea Grant, 72025.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72025.
- 6-S (beach seine: Golden Gardens):
Sea Grant, 1972.
- 2-SS (beach seine: Nisqually Head):
Sea Grant, 72030.
- 2-AI (beach seine: Mutiny Bay):
Sea Grant, 72033.
- 1-SS (off Nisqually Flats):
Sea Grant, 72034.
- 9-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 6-S (beach seine: south side of West
Point): Sea Grant, 1973.
- 1-CS (beach seine: at Lunds Gulch
north of Meadowdale):
Sea Grant, 73002.
- 2-S (off northwest of West Point):
Sea Grant, 1973.
- 4-S (off southwest of West Point):
Sea Grant, 1973.
- 12-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
- 1-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 1-SS (off Nisqually-McAllister
Creek delta): Sea Grant, 1973.
- 3-AI (beach seine: Mutiny Bay):
Sea Grant, 72015.
- 3-SS (McAllister Creek estuary):
Sea Grant, 1973.
- 2-SS (McLane Cove toward Stretch
Island): Sea Grant, 1973.
- 2-SS (west side of Dougall Point):
Sea Grant, 1973.
- 2-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.
- 1-HC (off Union): Sea Grant, 1973.
- 2-HC (off Skokomish River delta):
Sea Grant, 1973.
- 3-HC (Bangor Annex): Kramer, Chin
and Mayo, NCEL Survey, 1973.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.
- 1-SS (Cormorant Pass):
Sea Grant, 73060.
- 2-B (Chuckanut Bay; Pleasant Bay):
Al Milbun, Diving, 1961.
- 1-AI (Keystone ferry):
Al Milbun, Diving, 4/9/61.
- 1-S (southwest of Alki Point):
Sea Grant, 1973.

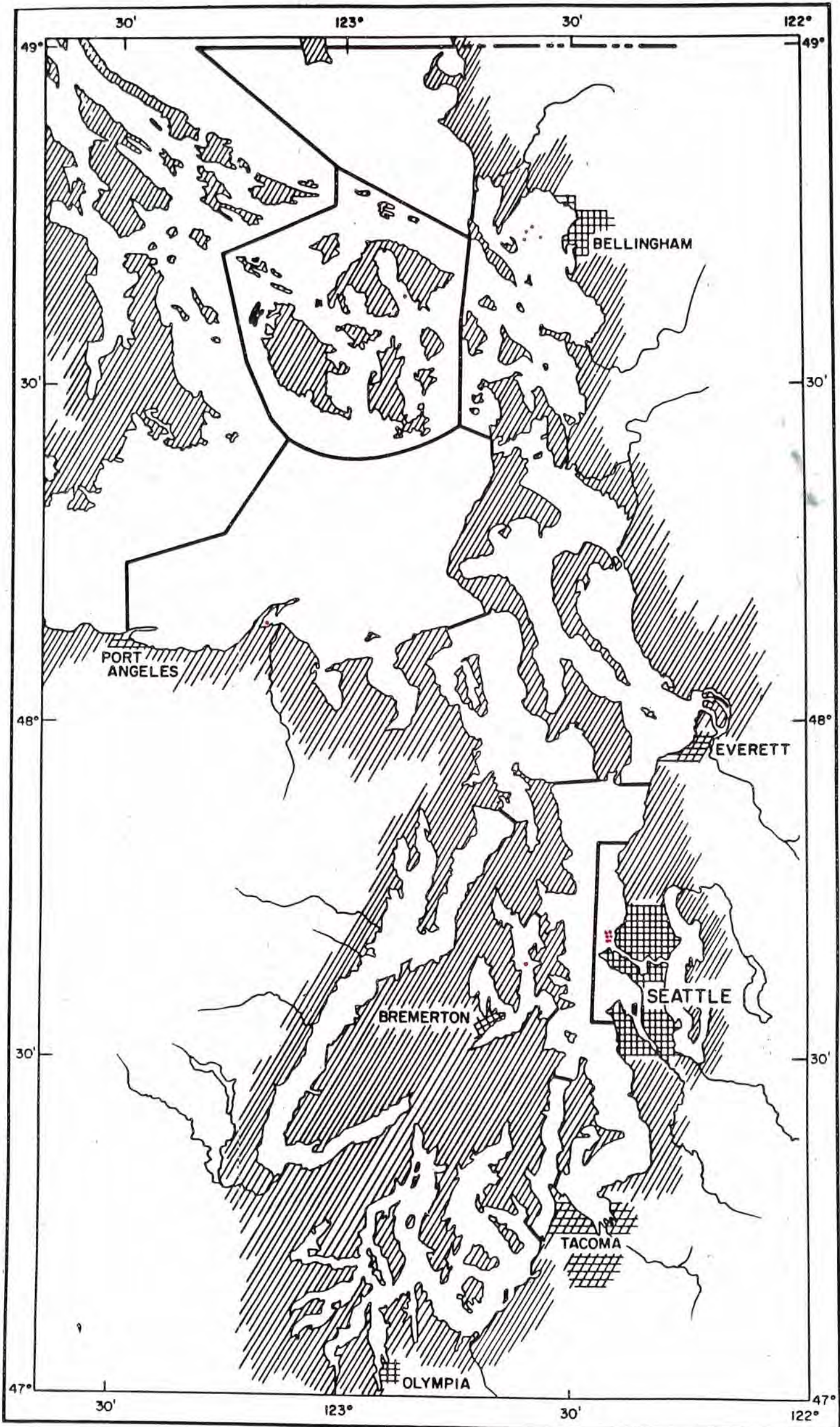


Hyperprosopon ellipticum

Embiotocidae

Published Records

- 1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-PS: Jordan and Gilbert, 1881c;
Jordan, 1884.
1-PS: Jordan and Starks, 1896.
1-PS: Kincaid, 1919.



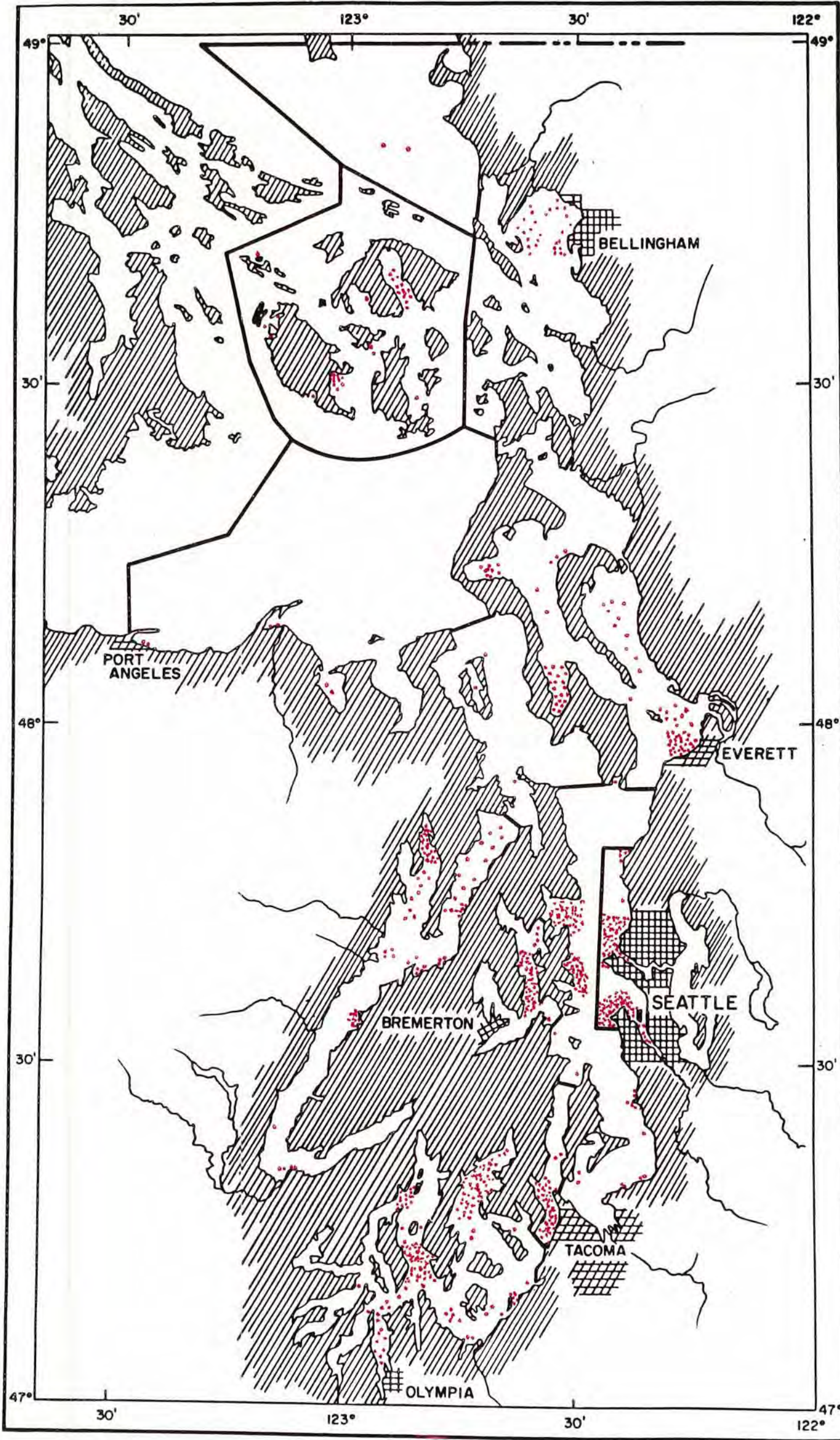
Phanerodon furcatus

Embiotocidae

Published Records

1-SJ: Starks, 1911.

University of Washington
Museum Collection1-SJ (East Sound):
17122 (Bruce Miller, 9/16/63).Miscellaneous Logs6-S (Golden Gardens to Meadow
Point):U.W. Ocean., Hoh, 1963-67.1-P0 (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.4-B (Bellingham Bay): WSDF,
groundfish trawl, through 1970.1-JF (beach seine: Dungeness embay-
ment): Peninsula College, 1971.



Rhacochilus vacca

Embiotocidae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1856a; 1859.
1-PS: Suckley, 1860.
1-JF (beach seine: Port Angeles):
Gilbert, 1895.
2-AI (Kilisut Harbor; Marrowstone
Point):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
2-GS: Smith, 1936.
2-B (Bellingham Bay): Smith, 1936.
5-E (Coupeville): Smith, 1936.
1-JF (Sequim Bay): Smith, 1936.
2-HC (Bangor; Dabob Bay):
Smith, 1936.
1-SS (Hale Pass): Smith, 1936.
1-HC (Hoodspoint): Smith, 1937.
2-SS (Anderson Island; Dofflemeyer
Point): Smith, 1937.
3-S Duwamish River): Salo, 1969.
14-S (Duwamish Head): Salo, 1969.
4-E (Port Gardner): Salo, 1969.
1-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
2-CS (Dumas Bay): Miller, 1971b.
2-CS (Seahurst County Park):
Bruce Miller, 1971a.
10+-HC (north part):
Haw and Buckley, 1971.
50+-CP (Tacoma Narrows):
Haw and Buckley, 1971.
10+-SS (Case Inlet to Olympia):
Haw and Buckley, 1971.
2-HC (Anderson Cove): Chew, 1970.
3-HC (fyke net: in Big Beef Harbor):
Anderson and Chew, 1972.
20-B (beach seine: Bellingham Bay,
north of Eliza Island):
Tyler, 1964.

University of Washington
Museum Collection

- 7-S (Alki Point): 765; 869; 874;
1921; 3123; 4265; 4480.
1-S (West Seattle): 916.
1-E (Saratoga Pass., Sandy Point):
2661.
1-S (beach seine: North Beach):
4523.
2-S (sandspit near Ballard Locks):
4576; 4659.
2-PS: 4638; 5593.
1-SS (Carr Inlet, off Glen Cove):
5812 (also boat 5009J).
1-SS (Case Inlet, west of Herron
Island): 5813 (also boat 5009G).
1-CS (Port Madison): 6089.
1-SS (beach seine: mainland opposite
Stretch Island):
6095 (also boat 7/20/49-2).
1-SS (off McLane Cove):
9813 (also boat 5009H).

- 1-CS (beach seine: Cultus Bay):
9818 and 16269 (also boat 5217A).
2-CS (Redondo Beach): 11677; 4795.
2-S (beach seine: Golden Gardens):
5869 (also boat 5/3/49); 16265
(also boat 5925A).
1-S (Golden Gardens):
5866 (also boat 6/29/49).
1-S (off Golden Gardens):
5742 (also boat 497E).
2-SJ (East Sound):
692; 18680 (also NIH, 1964-66).
1-S (Seattle): 841.
3-S (Edmonds Beach):
5524; 11319; 16258.
4-S (Carkeek Park):
5535; 5539; 5552; 5561.
1-SS (beach seine: 1 mile north of
Minter Creek):
10422 (also boat 5126E).
1-S (Meadow Point):
11318 (also boat 5129B).
1-S (Ballard Locks): 18681.

Friday Harbor Laboratory Log

- 1-SJ (Satellite Island): 7/5/51-3.
9-SJ (Argyle Bay):
7/21/52; 8/16/55-2,3; 8/11/60-2,
3; 6/22/61; 7/12/61-1; 7/18/61-2;
7/15/63.
1-SJ (False Bay): 8/4/52-2.
4-SJ (Argyle Lagoon): 7/31/60;
8/11/60-1; 7/12/61-2; 7/9/73.
2-SJ (Squaw Bay):
8/1/60-1; 7/10/61-1.
1-SJ (Mitchell Bay): 8/16/60-1.
1-SJ (Westcott Bay): 8/16/60-2.
1-SJ (White Beach): 8/16/60-4.
2-SJ (North Bay): 8/18/60-1,2.
1-SJ (Mosquito Pass): 7/17/61-1.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ (Squaw-Ogden): 6/27/69.

University of Washington Boat Log

- 3-SJ (training cruise area: East
Sound, north of Rosario Point):
6603H; 6630H; 7118H.
1-SJ (training cruise area: Lopez
Sound, southwest of Center
Island): 7118I.
5-B (training cruise area: south-
west of Post Point): 6630G;
6815G; 6826G; 6908G; 7313G.
6-E (Holmes Harbor):
5305L,M; 5327B; 5405A,B,D.
8-E (Holmes Harbor, south of
Classic):
5307F,G,T,U; 5312B,E,N; 5501C.
2-E (Holmes Harbor, Rocky Point to
Dines Point): 5307K,L.
1-E (Saratoga Pass.; Onamac Point to
Indian Beach): 5405N.

Rhacochilus vacca

Embiotocidae

University of Washington Boat Log

- 1-E (Saratoga Pass.; Onamac Point to Snatelum Point): 5712C.
 1-AI (off Tala Point to Hood Head): 6902M.
 3-HC (Anderson Cove): 7009A,B,D.
 4-HC (Dabob Bay): 6202A,F; 7205N; 7102B.
 2-HC (west of Misery Point and Seabeck Bay): 6902J; 7202A.
 29-HC (Dabob Bay, Broad Spit to Long Spit): 6503A,E,F,G; 6601C,D; 6629A,E; 6503C; 6702D,F; 6804F; 6807B; 6828A; 6902A,B,E,F; 7202D, E,F,H,J; 7303B,C,D,F; 7003A,B.
 4-HC (off Pleasant Harbor): 6804E; 6902L; 7003I; 7102M.
 1-CS (mouth of Quartermaster Harbor): 5115H.
 3-CS (Port Madison): 5131B; 5812A; 7011C.
 1-CS (north of Des Moines): 5224A.
 1-CS (off Fay Bainbridge State Park): 5805A.
 3-CS (east of Point Monroe): 5805C; 5813B,C.
 1-CS (beach seine: south of Fay Bainbridge State Park): 5806B.
 1-CS (Vashon Island off Sylvan Beach): 6703A.
 1-CS (Vashon Island, east of Neill Point): 6703C.
 1-CS (Manchester): 6618.
 42-CS (Murden Cove): 6610B,C,D; 6612A,B; 6613A; 6616; 6710A,A2,B2,C2; 6713C,D,G,H; 6806B; 6809A; 6812B,C,E; 6818A,B,C; 6819X; 6821.5G,H,I; 6823-1,3; 6906B,D,E; 6912; 7108A,B,C,D; 4/4/73B; 7308A; 7008A; 7016H,C.
 2-PO (Agate Pass, buoy N4 to N6): 5132C; 6617B.
 67-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5206B; 5207D; 5223B; 5226B; 5230F; 5235P; 5236C,E; 5301B; 5302BB; 5309A; 5310.3B,.5D; 5402X; 5504; 5507; 5523A,B; 5524; 5602A; 5615A,B,C; 5707A,B,G,H; 5709C; 5711A; 5809A; 5901AK; 5904A,B,C; 5905A; 5906A; 5907A; 5910A; 5912A; 5915B; 5919B; 5923B; 5924B; 5927C; 6001AM; 6006A; 6008A; 6011A; 6016A1,B1,B2,A3,B3,A4,B5; 6101A; 6111A,B; 6205D1,D3; 6307; 6320B; 6403AF; 6427A,B; 6507K; 6707.
 7-PO (off south of Fletcher Bay): 5229A,D; 5413F; 5801A,B; 6016B4; 6118A.
 5-PO ("B-2" to "B-1"): 5236F; 5301C; 6205C1,C2,C3.
 22-PO (most probably off Fletcher Bay): 5306B; 6002A; 6009A; 6214; 6515-2; 6711C; 6713A,B,E,F; 6715; 6716.5; 6821.5F; 7107A,B; 7302A; 7011A; 7313X; 6916D; 7020; 7105-1,2.
 3-PO (beach seine: 1 mile north of Illahee dock): 6205A1.2,2.1,3.1.
 1-PO (Manzanita to Seabold): 6215A.
 1-PO (off Seabold Wharf): 6617A.
 1-PO (Brownsville to White Point): 6806A.
 13-S (off Meadow Point to Carkeek Park): 5211A; 5212A,D,E; 5401C; 6414B; 6510A,B; 5233A; 7119A,B; 7120A,B.
 1-S (off Alki Point to Duwamish Head): 5027A.
 86-S (beach seine: Golden Gardens to Meadow Point): 492E; 5010B; 5015A; 5019B,C; 5021A,G; 5024C,D; 5030B; 5032.1A,C; 5036A; 5110H; 5112F; 5114C,D; 5116A,B,C2,D1,E,G1; 5119E,F; 5121B; 5209C; 5214A,B,C,D,E,F1,F2; 5215U,A,B,C,D,L,M; 5308B; 5328A; 5329E; 5406; 5407; 5409; 5415M,O; 5417A; 5424B; 5514D; 5612A; 5706A,C; 5710A; 5804A; 5807A,B; 5913A; 6019A,B,C; 6110; 6115A,B; 6116A; 6207A,B; 6210C; 6211; 2-6309; 2-6310; 6311D; 6319; 6410A; 6411B; 3-6417; 6509A,C,D; 6518A.
 31-S (off Golden Gardens to Meadow Point): 495D; 498A; 5028A,C; 2E; 5119G,H; 5129C; 5131C; 5132A,B; 5203C,D; 5233B; 5329A,C; 5401E; 5607B; 5702AN; 5707J,K; 5907B,C,D; 5911A; 5920A,B,E; 6010A,B,D.
 10-S (off Golden Gardens to Meadow Point): 6018A; 6112A,B,C; 6114A; 6206A,B; 6414A; 6506A,C.
 14-S (beach seine: Carkeek Park): 5219A,B; 5220A; 5221B,C; 5225B; 5231A; 5311A,B; 5313C; 5708A,B; 5808A,B.
 1-S (beach seine: north side of West Point): 7311B.
 1-S (Meadow Point to Richmond Beach): 6429A.
 1-S (Golden Gardens): 6511E.
 2-S (beach seine: Alki Point to Duwamish Head): 6619M,T.
 1-S (off West Point sewer outfall): 6718-6.
 2-CP (off Camp Sealth): 5009E; 5104CC.
 5-SS (northwest end of Nisqually Reach): 5009I; 5201C,D; 5204F,G.
 2-SS (Carr Inlet, off east side of Cutts Island): 5037D,F.
 16-SS (off Glen Cove to off Raft and Cutts Islands): 5045H; 5102A; 5104L,M,Y,AA; 5204A,B,C,D,K,L,M,N; 5213D; 5227B.
 10-SS (Carr Inlet, off Minter Creek to Elgin): 5045J; 5102C; 5104D,I,V; 5107A; 5135D; 5227D,E,I.

Rhacochilus vacca

Embiotocidae

University of Washington Boat Log

- 1-SS (off north of Home to off Horsehead Bay Spit): 5104R.
- 1-SS (Carr Inlet, southwest of Green Point): 5104T.
- 1-SS (Totten Inlet, Windy Point to Steamboat Island): 5115D.
- 3-SS (Carr Inlet, off Wauna): 5227A,C; 5104G.
- 1-SS (Carr Inlet): 5522C.
- 2-SS (Carr Inlet, off Glen Cove to Green Point): 6724B-1,2.
- 1-SS (Case Inlet, east of Hartstene Island): 6724C.
- 1-CS (off West Point): 7017Y.
- 4-HC (Dabob Bay): 7102E,F,L,Q.
- 1-PO: 7104-1.

Miscellaneous Logs

- 10+-E (east of Gadeney Island): R. Tyler, personal communication, 6/3/63.
- 37-S (off Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
- 31-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
- 215-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
- 38-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.
- 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.
- 50+-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
- 10-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
- 3-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.
- 5-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
- 2-E (off Rocky Point to off Utsalady Point): U.W. Ocean., Hoh, 1963-67.
- 1-E (Saratoga Pass, off Rocky Point): U.W. Ocean., Hoh, 1963-67.
- 1-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
- 1-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
- 1-E (Holmes Harbor): U.W. Ocean., Hoh, S.J., 1966.
- 3-PO (south of Fletcher Bay): NMFS, Cobb, 1968.
- 9-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 7-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 1-S (Duwamish Head to Alki Point): NIH, 1968-71.

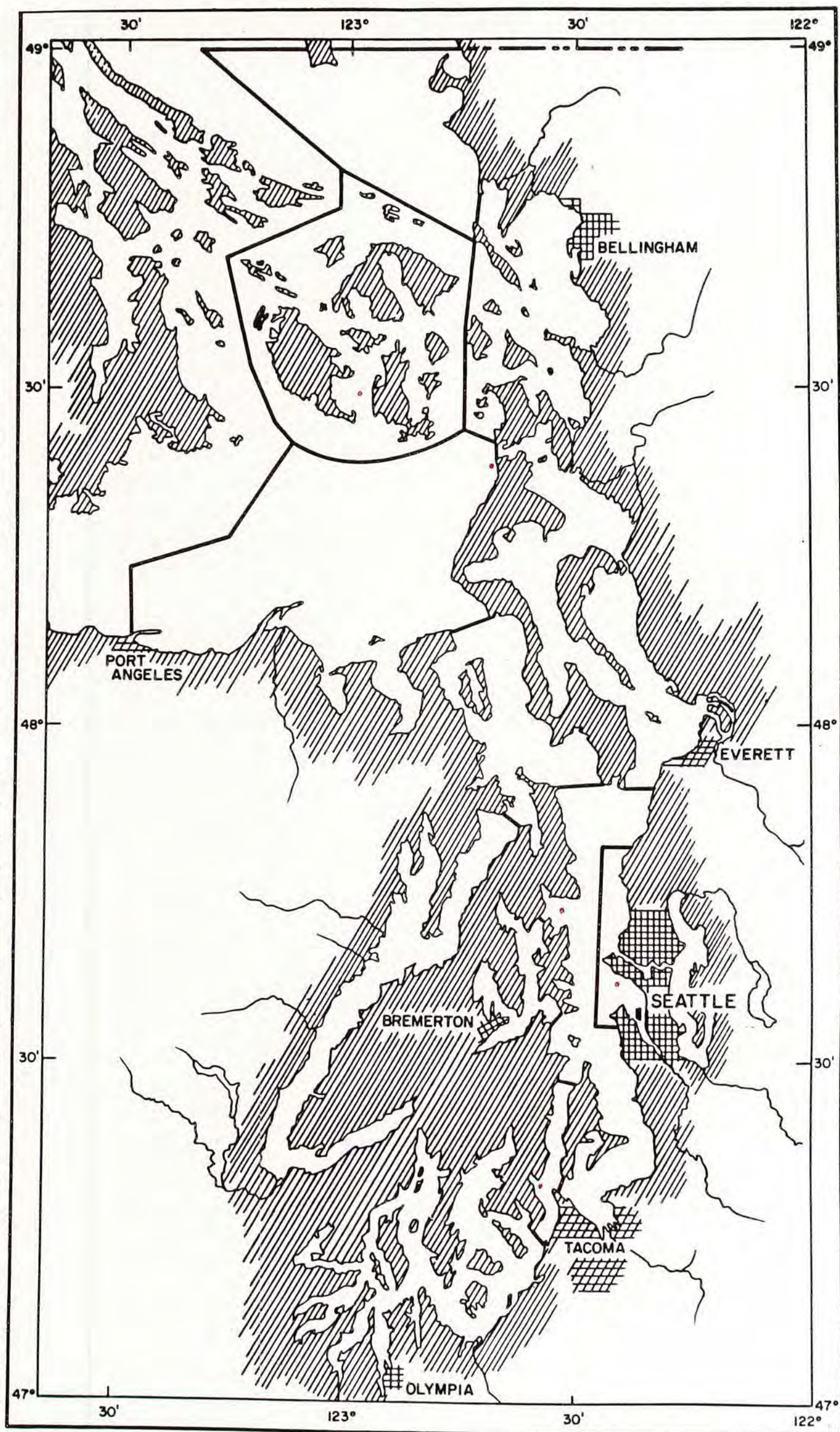
- 1-PO (Clam Bay): NIH, 1968-71.
- 3-CS (Port Madison): Van Cleve, trap, 1961-65.
- 1-SS (Eld Inlet entrance): Van Cleve, trap, 1961-65.
- 4-E (Holmes Harbor): Van Cleve, trap, 1961-65.
- 1-E (Penn Cove): Van Cleve, trap, 1961-65.
- 2-JF (beach seine: Dungeness embayment): Peninsula College, 1971.
- 1-JF (beach seine: Port Angeles embayment): Peninsula College, 1971.
- 1-JF (Sequim Bay): Battelle, 1967-69.
- 2-CS (3-Tree Point): Bruce Miller, Diving Log, 1964.
- 1-S (Edmonds ferry dock): Bruce Miller, Diving Log, 1964.
- 4-CP (beach seine: Gig Harbor spit): Sea Grant, 72003 (also boat 7208).
- 2-S (Duwamish River estuary): Sea Grant, 72010.
- 1-SS (beach seine: Nisqually Head): Sea Grant, 72021.
- 2-S (Duwamish River estuary, 1st Ave. S. to 16th Ave. S. bridge): Sea Grant, 72024.
- 2-CP (off Gig Harbor spit): Sea Grant, 72025.
- 5-S (beach seine: north side of West Point): Sea Grant, 1973.
- 1-S (off northwest side of West Point): Sea Grant, 1973.
- 2-S (off southwest side of West Point): Sea Grant, 1973.
- 5-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 2-S (Duwamish River estuary, 1st Ave. S. to 16th Ave. S. bridge): Sea Grant, 1973.
- 2-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
- 4-SS (McLane Cove toward Stretch Island): Sea Grant, 1973.
- 1-SS (west side of Dougall Point): Sea Grant, 1973.
- 6-HC (Seabeck dock): WSDF, Sport Fish., 1965-70.
- 9-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973-74.
- 2-HC (off Union): Sea Grant, 1973.
- 2-HC (off Skokomish River delta): Sea Grant, 1973.
- 4-HC (Bangor Annex): Kramer, Chin and Mayo, NCEL Survey, 1973.
- 5-SS (Cormorant Pass): Sea Grant, 73059 and 73060.
- 1-SS (Tatsolo Point): Sea Grant, 73059.
- 2-SS (off Nisqually River-McAllister Creek delta): Sea Grant, 1973.

Rhacochilus vacca

Embiotocidae

Miscellaneous Logs

1-SS (McLane Cove bridge):
L. Moulton, personal
communication, 9/11/73.



Sphyraena argentea

Sphyraenidae

Published Records

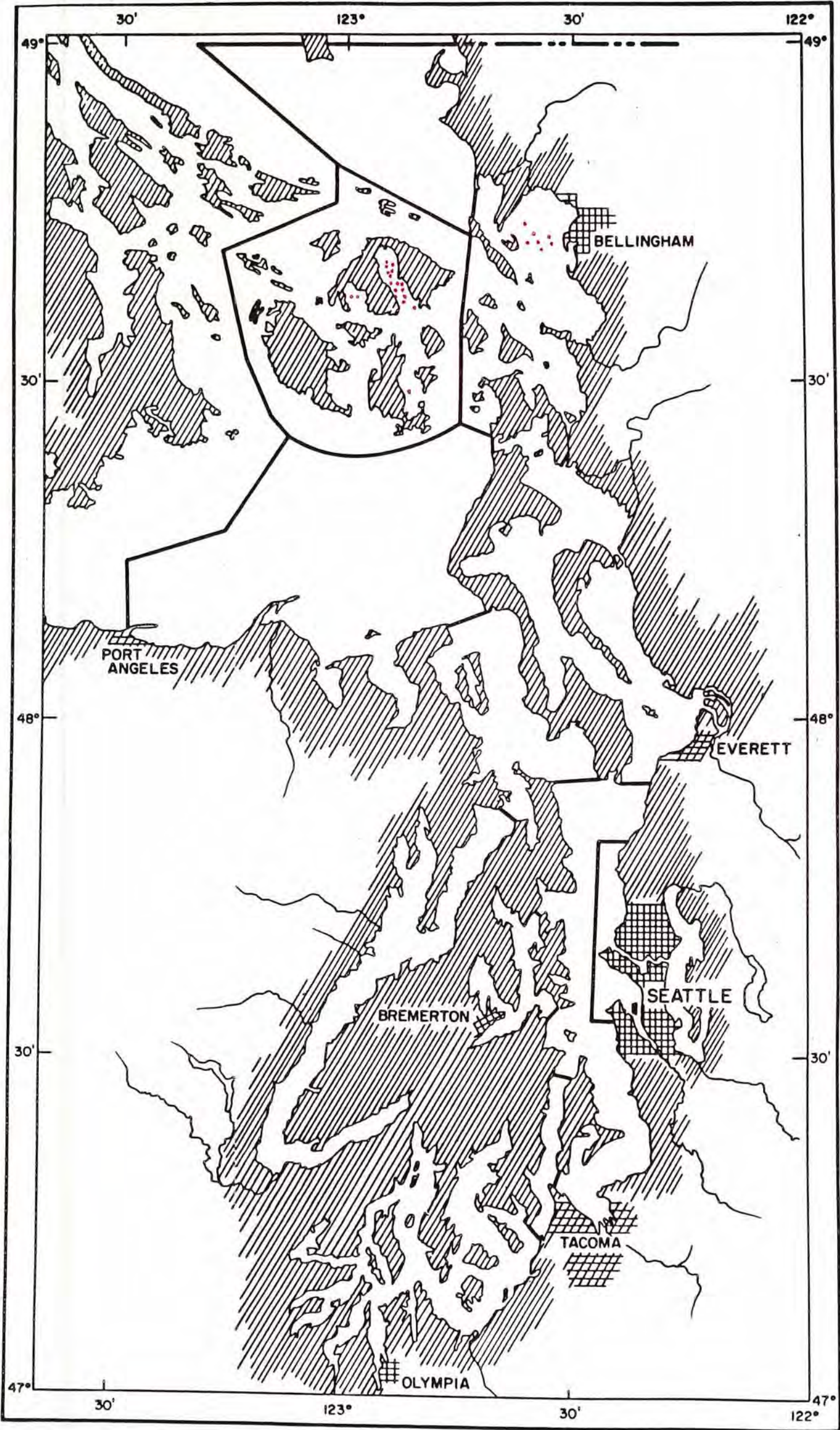
- 1-CP (Gig Harbor):
Steindachner, 1879.
1-S (Seattle): Starks, 1896b.
1-PS: Kincaid, 1919.

University of Washington
Museum Collection

- 1-CS (Port Madison): 4061.
1-JF (West Beach, off Whidbey
Island): 14505.

Miscellaneous Logs

- 1-SJ (San Juan channel):
Ed Best, purse seine, 1958.



Trichodon trichodon

Trichodontidae

University of Washington
Museum Collection

- 1-PS: 11482.
 1-SJ (East Sound): 17133.
 1-SJ (East Sound, off Rosario):
 18221 (also Friday Harbor Log,
 9/10/63).
 1-SJ (East Sound, south of Rosario
 Point):
 18698 (also NIH, 1964-66).
 1-B (Bellingham Bay): 19076.
 1-SJ (East Sound, south of Rosario
 Point):
 19454 (also NIH, 1964-66).
 1-SJ (Lopez Sound): 19458.
 3-SJ (East Sound, south of Rosario
 Point): 19555 (also NIH,
 1964-66); 19560; 19684 (also NIH,
 1964-66) and 19685.

Friday Harbor Laboratory Log

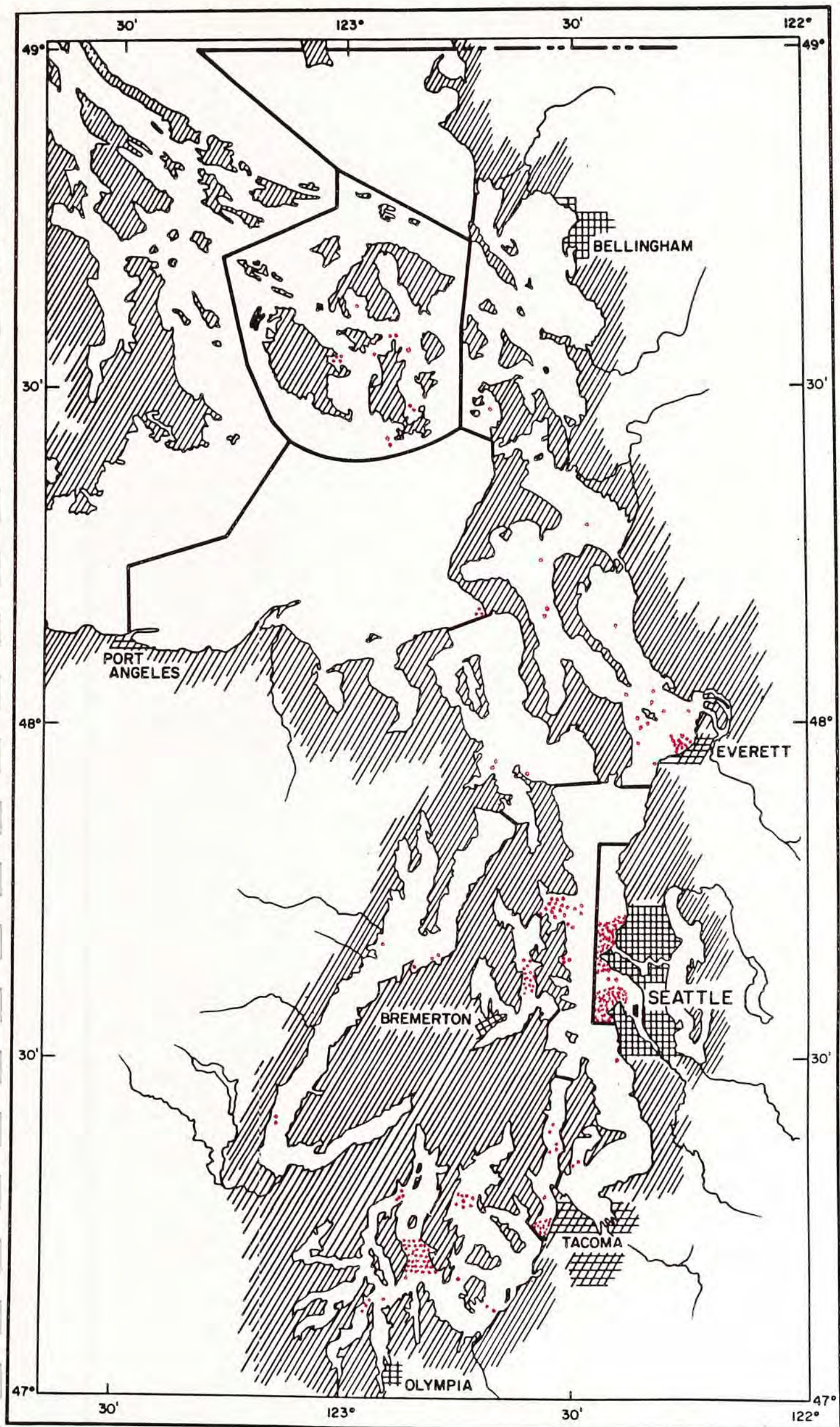
- 2-SJ (West Sound):
 7/25/55; 7/26/60-2.
 1-SJ (lower East Sound): 8/11/55-3.
 1-SJ (East Sound): 8/13/60-1.
 1-SJ: Summer, 1963.
 1-SJ (East Sound, east shore of
 entrance): 8/28/63.

University of Washington Boat Log

- 4-SJ (training cruise area: East
 Sound, north of Rosario Point):
 6620H; 6630H; 6722H; 6914H.
 1-B (training cruise area:
 southwest of Post Point): 6722G.
 1-B (Bellingham Bay): 6822G.

Miscellaneous Logs

- 3-B (Bellingham Bay):
 Bill High, personal
 communication, 12/9/63.
 1-B (Bellingham Bay):
 Bill High, personal
 communication, 12/30/66.
 5-SJ (East Sound, south of Rosario
 Point): NIH, 1964-66.



Ronquilus jordani

Bathymasteridae

Published Records

- 1-S (Seattle): Gilbert, 1889.
 1-S (Elliott Bay):
 Jordan and Starks, 1896.
 2-AI (Hood Canal entrance; north of
 Tala Point):
 Evermann and Goldsborough, 1907.
 3-JF (off Admiralty Head light):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 3-E (Gedney Island): Smith, 1937.
 3-E (Columbia Beach; Camano;
 Mukilteo): Smith, 1937.
 2-HC (Hoodsport): Smith, 1937.
 1-SS (Anderson Island):
 Smith, 1937.
 1-SJ: Shelford, et. al., 1935.
 27-S (Duwamish Head): Salo, 1969.
 1-E (Skagit Bay): Salo, 1969.

University of Washington
Museum Collection

- 1-CS (south of Seattle): 976.
 2-SJ (Friday Harbor): 1503; 2296.
 1-SJ (Flat Point): 1765.
 1-SJ (West Sound): 2199.
 1-PS (Hood Canal to Port Susan):
 2332.
 1-E (east of Gedney Island): 2565.
 1-E (off Snohomish River): 2631.
 1-E (Saratoga Pass., Sandy Point):
 2663.
 1-HC (Brinnon): 4805.
 1-AI (Skunk Bay): 4813.
 1-SS (off Budd Inlet):
 5662 (also boat 7/20/49-4).
 4-S (off Golden Gardens): 5687
 (also boat 491A); 5741 (also
 boat 497E); 5852 (also boat
 493B); 6069 (also boat 5029C).
 1-CP (lower Colvos Pass): 7463.
 1-SJ (Upright Channel): 10317.
 1-SJ (west of Ram Island):
 5747 (also boat 491P).
 1-E (off Mission Bar):
 5871 (also boat 5023E).
 1-S (off Carkeek Park):
 5979 (also boat 5020A).
 1-CS (off Port Madison):
 7468 (also boat 497B).
 1-CS (Port Madison):
 7488 (also boat 1/22/49-4).
 1-SS (Drayton Pass): 11382.
 1-S (Elliott Bay): 11486.
 1-SS (Carr Inlet): 5326.

Friday Harbor Laboratory Log

- 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).
 2-SJ (Friday Harbor Lab night
 light): 7/50; 1969.
 2-SJ (off Iceberg Point):
 7/22/52-1; 8/4/55-1 (also boat
 5520C).
 1-SJ (Upright Head): 8/2/52.

University of Washington Boat Log

- 1-SJ ("West Blakely" shoal, east of
 Humphrey Head): 5033N.
 1-B (Burrows Bay): 5033S.
 1-E (Saratoga Pass, Onamac Point to
 Indian Beach): 5418K.
 2-CS (mouth of Quartermaster
 Harbor): 5042A; 5115H.
 2-CS (off Port Madison): 5043B,C.
 3-CS (Port Madison):
 5122A; 5132D; 5924A.
 1-CS (off Agate Pass): 5616I.
 2-CS (east of Point Monroe):
 5805C; 5813C.
 2-PO (off Fletcher Bay):
 5915B; 6016B4.
 32-S (off Golden Gardens to Meadow
 Point): 494C,E; 498A,B; 5017C;
 5028A,C; 5029B; 5033A; 5034D;
 5110B; 5112B; 5119C,G; 5129C,D;
 5131C; 5132A; 5203D; 5314C;
 5329C; 5408B; 5512G; 5707J,K;
 5907D; 5920B; 6018A; 6112B;
 6114A; 6206B; 6311A.
 2-S (off Golden Gardens):
 494C; 5039D.
 1-S (off Alki Point to Duwamish
 Head): 5027A.
 1-S (south of West Point to off
 4-Mile Rock): 5027D.
 5-S (off Meadow Point to Carkeek
 Park): 5039C; 5041B; 5110A;
 5212C; 5216A.
 3-CS (Murden Cove): 6906H,I; 6818B.
 2-CP (off Point Sandford):
 7/18/49; 5126N.
 3-CP (off Camp Sealath):
 5009F; 5104CC,DD.

Miscellaneous Logs

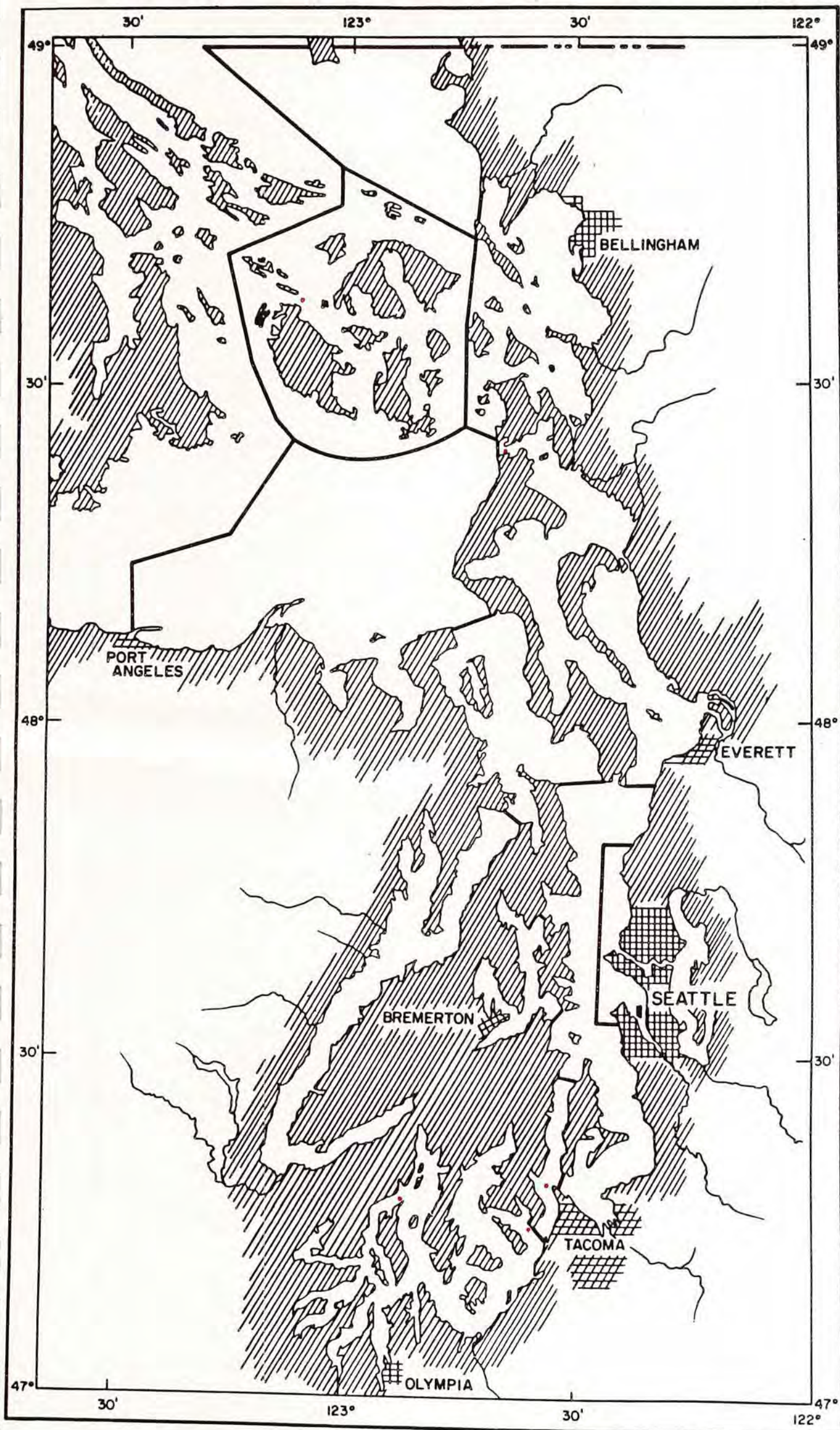
- 10+-CP (Titlows Beach, Day Island):
 Bill High, personal
 communication, 10/22/63.
 43-S (off Duwamish Head to Alki
 Point): U.W. Ocean., 1964-67.
 3-S (Magnolia Bluff):
 U.W. Ocean., 1964-67.
 12-S (Meadow Point):
 U.W. Ocean., 1964-67.
 14-E (Port Gardner Bay):
 U.W. Ocean., P.O., 1962-67.
 6-PO (south of Fletcher Bay):
 U.W. Ocean., P.G., 1964-65.
 28-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.
 1-HC (Seabeck):
 U.W. Ocean., Hoh, 1963-67.
 43-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.

Ronquilus jordani

Bathymasteridae

Miscellaneous Logs

- 10-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 2-E (Port Susan; Saratoga Pass,
Rocky Point):
U.W. Ocean., Hoh, 1963-67.
- 3-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
- 4-SS (Eld Inlet entrance):
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.
- 7-S (off northwest side of West
Point): Sea Grant, 1973.
- 8-S (off southwest side of West
Point): Sea Grant, 1973.
- 7-S (southwest of Alki Point):
Sea Grant, 1973.
- 2-S (deep otter trawl: off southwest
of Alki Point): Sea Grant, 1973.
- 1-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
- 4-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973-74.
- 1-SS (south of Tatsolo Point):
Sea Grant, 73059.



Anoplarchus insignis

Stichaeidae

Published Records

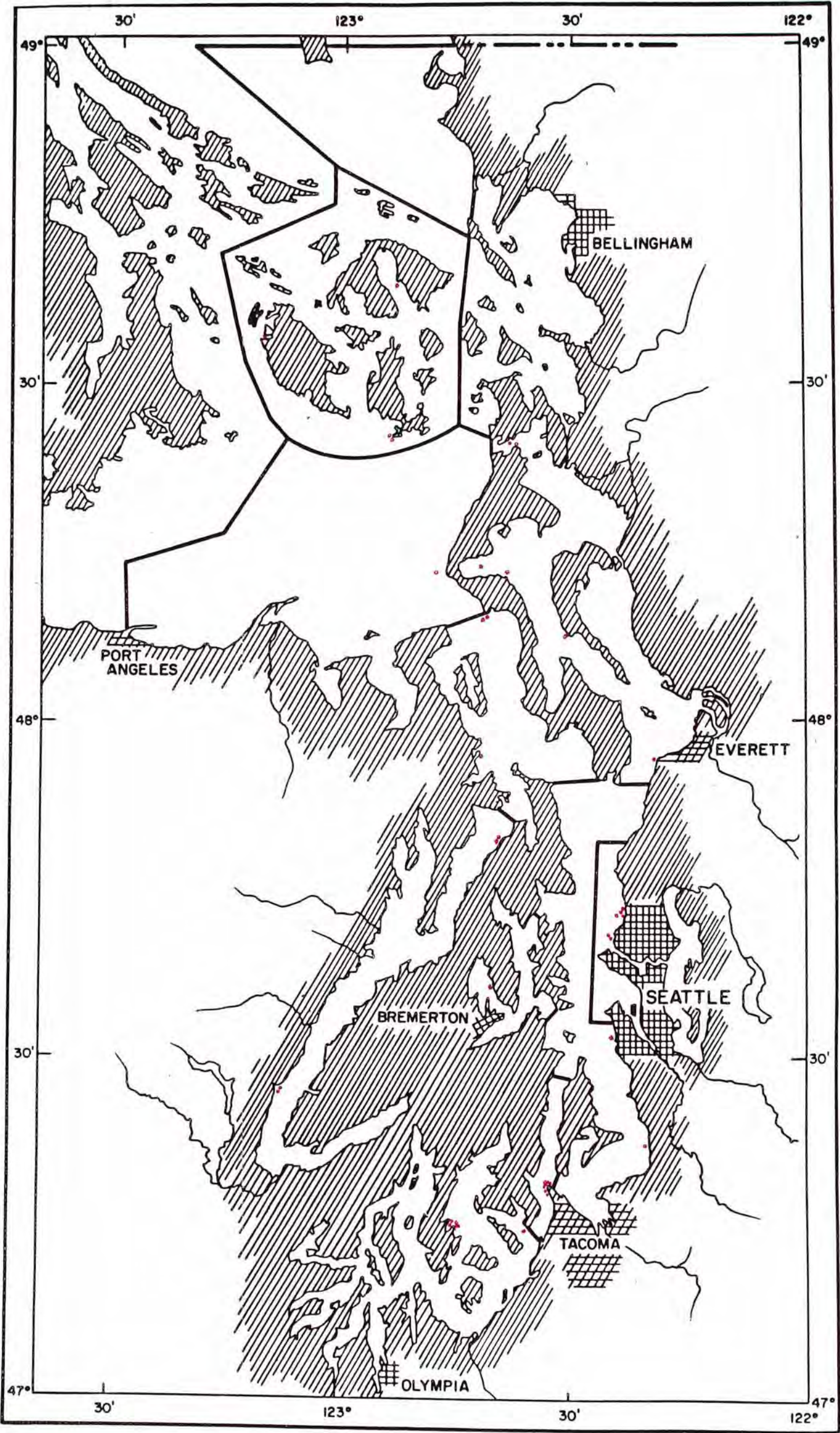
- 1-CP (Point Defiance):
Johnson, 1970.
1-SS (Point Fosdick):
Johnson, 1970.
1-E (Deception Pass):
Johnson, 1970.
1-SJ (San Juan Island):
Peden, 1966.

Friday Harbor Laboratory Log

- 1-SJ (Spieden Channel to Massacre
Bay): 7/14/67.

Miscellaneous Logs

- 1-SS (west side of Dougall Point):
Sea Grant, 1973.



Anoplarchus purpurescens

Stichaeidae

Published Records

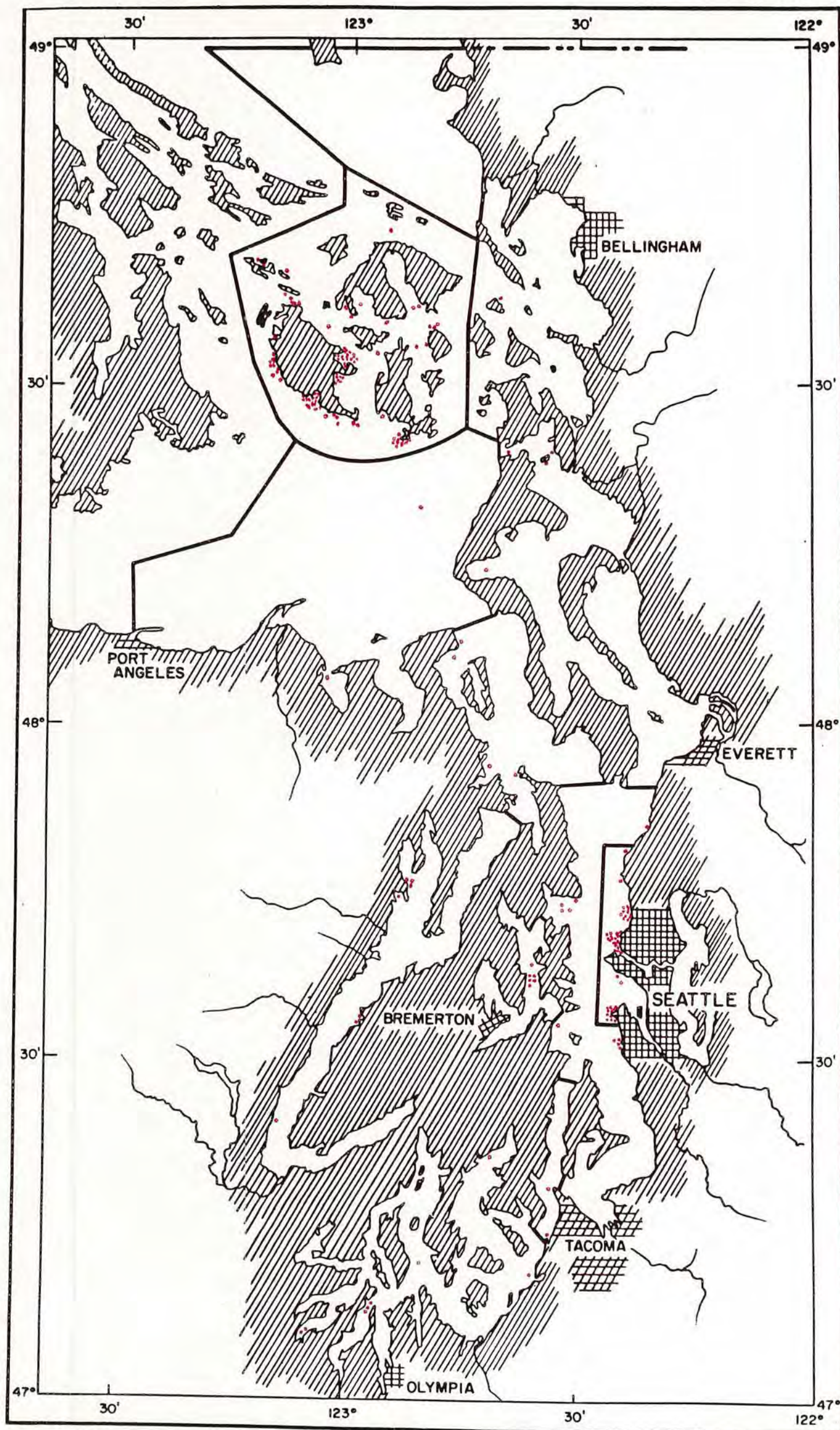
- 1-SJ (Rosario Beach):
Johnson, 1970.
- 3-E (Bowman Bay; Snatelum Point;
Camano Island State Park):
Johnson, 1970.
- 2-E (Hoypus Point): Johnson, 1970.
- 2-E (Penn Cove): Johnson, 1970.
- 2-AI (Admiralty Head):
Johnson, 1970.
- 1-JF (Point Partridge):
Johnson, 1970.
- 4-S (Carkeek Beach): Johnson, 1970.
- 2-S (Golden Gardens): Johnson, 1970.
- 2-CS (Lincoln Park; Saltwater State
Park): Johnson, 1970.
- 5-CP (Point Defiance):
Johnson, 1970.
- 1-SS (Point Fosdick):
Johnson, 1970.
- 5-SS (Penrose Point State Park):
Johnson, 1970.
- 2-HC (Kitsap Memorial State Park):
Johnson, 1970.
- 2-HC (Lilliwaup): Johnson, 1970.

Friday Harbor Laboratory Log

- 2-SJ (Iceberg Point tide pools):
6/29/73-1,2.
- 1-SJ (Mitchell Bay): 6/30/73.

Miscellaneous Logs

- 5+-SJ: Bruce Miller, personal
communication, 2/29/72.
- 1-AI (Snake Rock, Port Ludlow):
Allyn Johnson, personal
communication, 5/14/74.
- 1-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.
- 1-E (NMFS field station at
Mukilteo): Allyn Johnson,
captured on beach, 4/6/73.



**Anoplarchus* sp.

Stichaeidae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1859; Suckley, 1860.
- 1-AI (Port Ludlow): Starks, 1896b.
- 1-S (Seattle): Bean and Bean, 1897.
- 1-AI (Port Townsend):
Bean and Bean, 1897.
- 1-S (Seattle):
Shultz and DeLacy, 1932.
- 1-SJ: Starks, 1911.
- 1-SJ (Brown Island, Friday Harbor):
Miles, 1918.
- 1-CS (Meadowdale):
Shultz and DeLacy, 1935-36.
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 1-E (Lone Tree Point): Horn, 1932.
- 1-SJ (east side of San Juan Island,
beach seine): Sribhibhadh, 1959.
- 2-SJ (beach seine: Shaw Island):
Sribhibhadh, 1959.
- 2-CS (beach seine: Lincoln Park
Beach): Sribhibhadh, 1959.
- 1-CP (beach seine: Point Defiance):
Sribhibhadh, 1959.
- 1-SS (beach seine: Oyster Bay):
Sribhibhadh, 1959.
- 1-AI (beach seine: Twin Spits):
Sribhibhadh, 1959.
- 2-HC (beach seine: Point Whitney):
Sribhibhadh, 1959.
- 1-HC (beach seine: Hoodspoint):
Sribhibhadh, 1959.
- 4-SJ (Friday Harbor): Batts, 1961.
- 1-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
- 1-HC (Anderson Cove): Chew, 1970.
- 1-S (beach seine: Ballard Locks):
4401.
- 1-S (Ballard): 4643.
- 6-S (North Beach): 4468; 4687;
4830; 4840; 5058; 16478.
- 1-S (Edmonds Beach): 4561.
- 1-HC (Seal Rock): 7493.
- 1-E (Hope Island): 7568.
- 1-B (Sinclair Island): 11389.
- 1-PS: 12698.
- 1-CP (Day Island Beach): 14024.
- 1-HC (Point Whitney): 16575.
- 1-S (Richmond Beach):
5895 (also boat 2/13/50).
- 1-CS (reef north of Manchester
Rocks): 641.
- 1-SJ (Deer Harbor): 1229.
- 4-SJ (False Bay):
1279; 1487; 6183; 16474.
- 1-SJ (East Sound entrance): 1289.
- 1-SJ (between Lopez Island and
Blakely Island): 1309.
- 1-SJ (near Orcas Island): 1317.
- 1-SJ (west shore of Blakely Island):
2120.
- 2-SJ (Brown Island): 2139; 16446.
- 1-SJ (Rocky Bay): 2149.
- 1-SJ (Davis Bay): 2168.
- 1-SJ (Rocky Point, San Juan Island):
2213.
- 1-SJ (Harney Channel): 2262.
- 1-SS (Oyster Bay): 4807.
- 5-S (Alki Point):
4833; 5128; 6217; 14371; 16481.
- 1-S (Shilshole Bay): 4866.
- 1-SS (Carr Inlet, Allens Point):
5323.
- 1-SJ (beach seine: Friday Harbor):
6159.
- 1-SJ (beach seine: between False Bay
and Kanaka Bay): 10442.
- 1-SJ (Prevost Harbor): 10444 (also
Friday Harbor Log, 8/19/52).
- 1-SJ (reef north of Lime Kiln
light): 10766.
- 1-CS (Lincoln Park):
11358 and 11359.
- 1-SJ (Shaw Island, Parks Bay):
11391.
- 1-SJ (San Juan Channel, 90-m
dredge): 13996.
- 2-S (south of Alki Point):
14013; 14014.
- 1-S (near Seattle): 14017.
- 1-SJ (point east of Eagle Cove):
17418 (also Friday Harbor Log,
8/5/63).
- 1-SJ (Limestone Point):
17436, 17978, and 18038 (all the
same collection).

University of Washington
Museum Collection

- 1-S (Government Locks): 90.
- 1-S (Golden Gardens): 100.
- 1-S (Pipers Canyon): 145.
- 1-E (Deception Pass): 174.
- 1-S (West Seattle): 182.
- 1-S (Seattle): 709.
- 5-SJ (Friday Harbor):
998; 1045; 2191; 6220; 14015.
- 1-SJ (Cattle Point): 1005.
- 1-SJ (Lime Kiln): 1031.
- 1-SJ (2 miles south of Lime Kiln):
1068.
- 4-SJ (Kanaka Bay):
1085; 1149; 1258; 10440.
- 3-SJ (Peavine Passage):
1093; 1203; 1332.
- 1-SJ (near Olga): 1138.
- 1-SJ (Parker Reef, north of Orcas
Island): 1165.
- 1-CS (Lincoln Park Beach): 3573.

*These are records from before the division into two species. Almost all, however, are likely to be *A. purpureus*.

Anoplarchus sp.

Stichaeidae

Published Records

2-SJ (Deadman Bay): 17963 (Friday Harbor Log, 8/2/63); 18223 (also Friday Harbor Log, 6/22/63).

1-SJ: 17966.

1-SJ (Iceberg Point): 17998 (also Friday Harbor Log, 7/18/63-2).

1-SJ (Hannah Heights): 18005.

Friday Harbor Laboratory Log

1-SJ (Squaw Bay): 7/10/61-1.

1-SJ: 5/62.

1-SJ (American Camp): 7/6/52.

1-SJ (south of Smallpox Bay): 7/8/52.

1-SJ (Smallpox Bay): 7/13/61.

5-SJ (False Bay): 8/4/52-1; 7/10/60; 7/24/60; 8/5/60; 6/29/61.

4-SJ (Iceberg Point tide pool): 8/4/55-2; 8/22/60-1; 6/28/61-2; 7/19/63-2.

1-SJ (south of Satellite Island): 8/15/55-1.

5-SJ (Argyle Bay): 8/16/55-1; 8/11/60-4; 6/22/61; 6/23/61; 6/19/69.

1-SJ (outside False Bay): 8/17/55-1.

2-SJ (False Bay): 7/26/61; 8/8/61.

1-SJ (Johns Island): 7/10/50-1.

1-SJ (north of Neck Point): 8/14/50-2.

1-SJ (Pole Pass.): 7/30/60.

5-SJ (Friday Harbor Lab): 8/18/55; 6/23-30/60; 7/7/60; 8/4/60-1; 6/21/67-2.

4-SJ (Argyle Lagoon): 7/2/60; 7/31/60; 7/10/69-2,3.

2-SJ (Minnesota Reef): 7/11/60-2; 8/4/60-2.

2-SJ (Friday Harbor): 8/6/60-1; 6/27/61; 7/25/61.

1-JF (Smith Island): 8/6/60-2.

1-SJ (Mitchell Bay): 8/16/60-1.

1-SJ (Kanaka Bay): 8/21/60.

1-SJ (West Sound): 8/24/60.

1-SJ (Cattle Point): 8/6/61.

1-SJ (Squaw Bay cr West Sound): 6/30/67.

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

1-SJ (Hannah Heights): 7/6/67.

4-SJ (Iceberg Point): 7/7/67; 6/30/69-1,2,3.

1-SJ (Deadman Bay): 7/11/67-1.

1-SJ (Squaw-Ogden): 6/27/69.

1-SJ (Spieden Channel): 7/15/69-2.

1-SJ (Reed Harbor): 7/15/69-3.

University of Washington Boat Log

1-SS (beach seine: 1 mile north of Minter Creek): 5126E.

2-S (beach seine: Golden Gardens to Meadow Point): 5129B; 5612A.

1-S (off Golden Gardens to Meadow Point): 5709A.

Miscellaneous Logs

9-S (Golden Gardens to Meadow Point):

U.W. Ocean., Hoh, 1963-68.

5-PO (south of Fletcher Bay):

U.W. Ocean., P.O., 1964-65.

1-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.

1-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-E (Penn Cove):

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

1-AI (Port Townsend Bay):

U.W. Ocean., Hoh, S.J., 1966.

2-CS (Port Madison):

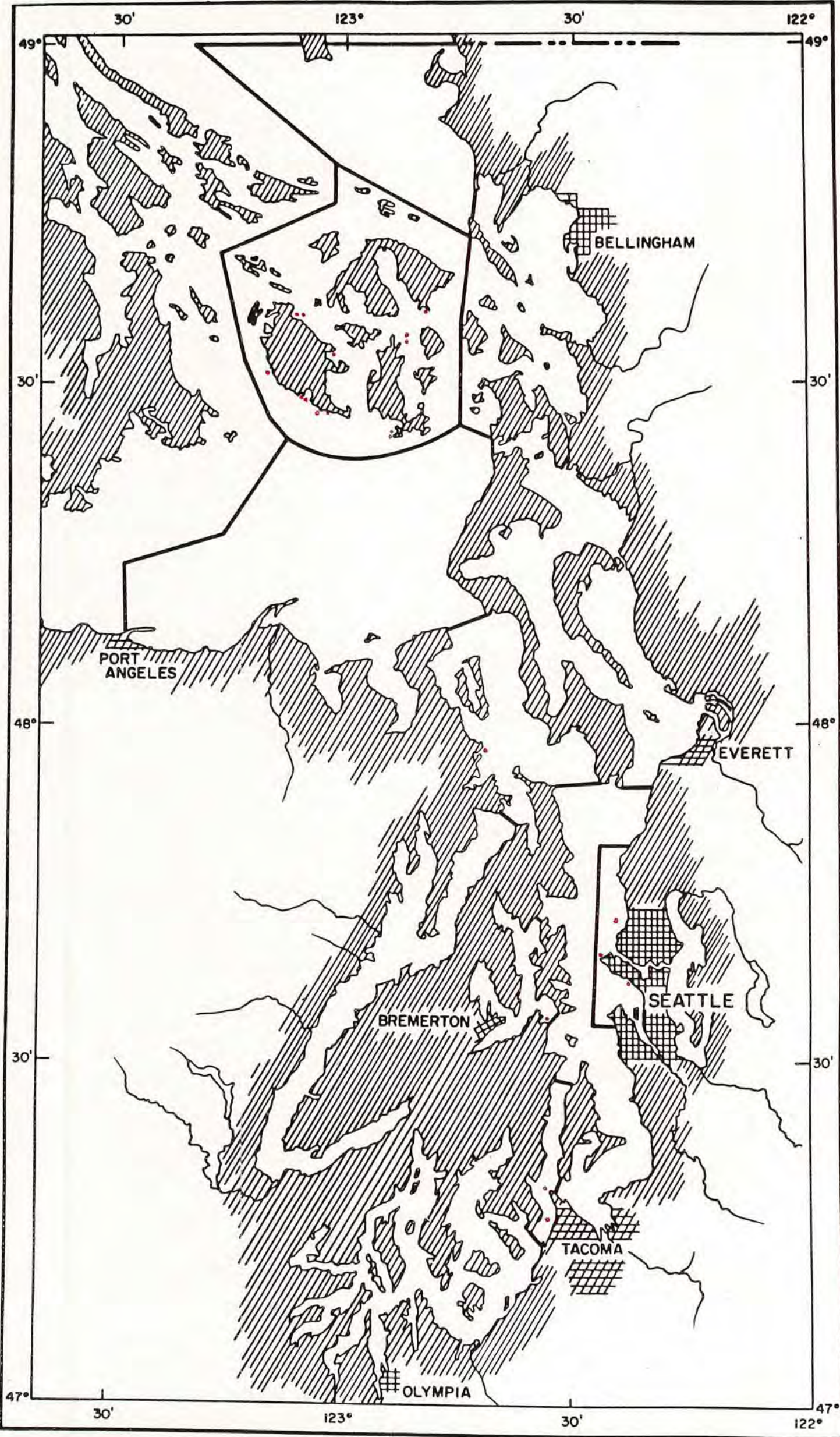
Van Cleve, trap, 1961-65.

3-SS (entrance to Eld Inlet):

Van Cleve, trap, 1961-65.

1-JF (Sequim Bay):

Battelle, 1969-71.



Chirolophis mugator

Stichaeidae

Published Records

- 1-PO (Orchard Point):
 Jordan and Starks, 1896.
 1-PS: Kincaid, 1919.
 1-S (Seattle):
 Jordan and Starks, 1896.

University of Washington
Museum Collection

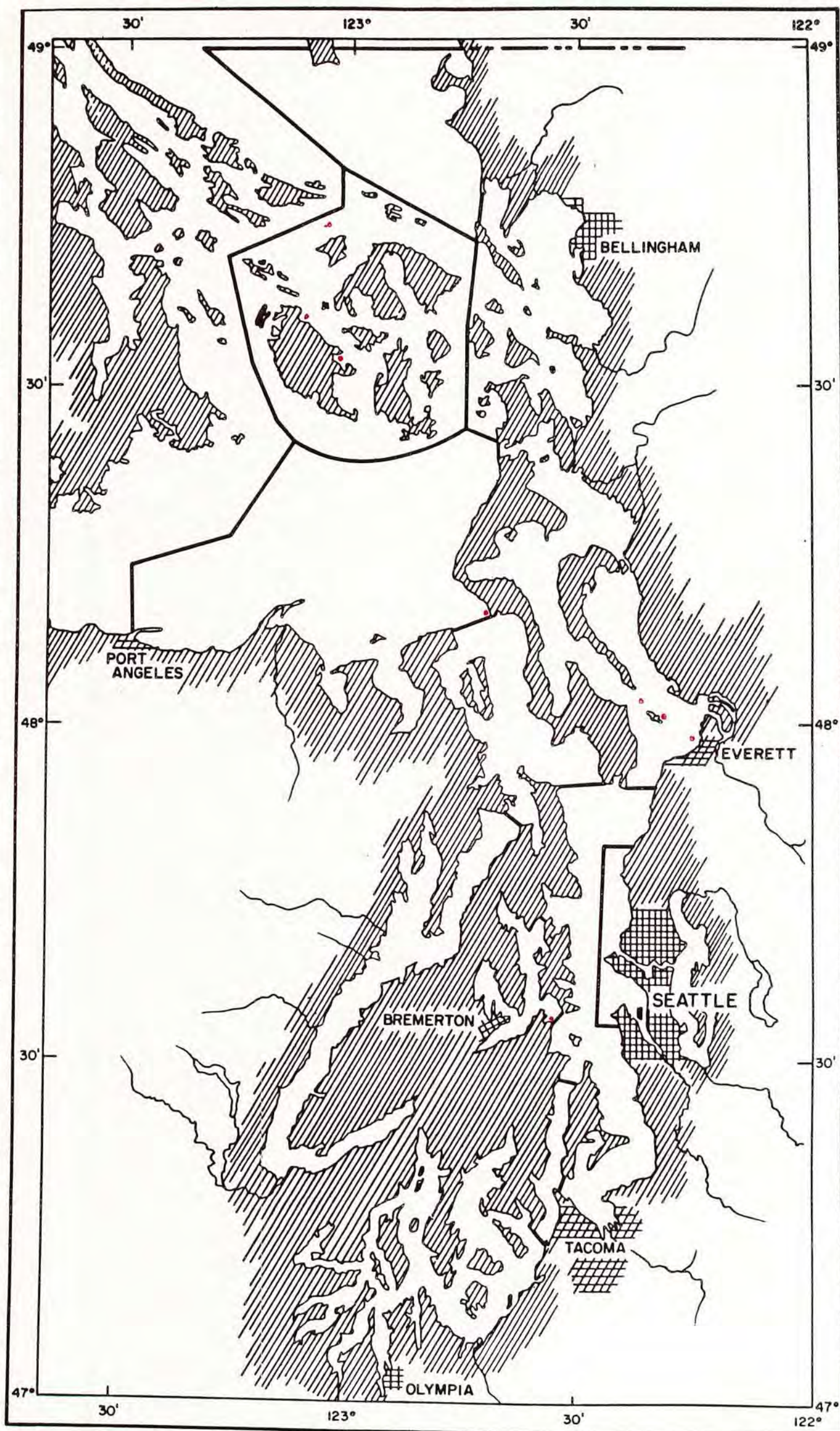
- 1-SJ (Kanakan Bay): 1070.
 1-SJ (False Bay Reef): 1485.
 1-SJ (Rocky Bay): 2150.
 1-SJ (Rocky Point, San Juan Island):
 2214.
 1-SJ (west of Blakely Sound): 7582.
 1-CP (Point Defiance): 14018.
 1-AI (Mats Point, Port Ludlow):
 16453.
 1-S (West Point): 19503.

Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor Lab): 7/20/60.
 1-SJ (Iceberg Point): 6/28/61-2.
 1-SJ (Deadman Bay): 6/22/63.
 1-SJ (point east of Eagle Cove):
 8/5/63.
 1-SJ (Eagle Point): 7/5/67.
 1-SJ (Iceberg Point): 6/30/69-4.
 1-SJ (Obstruction Pass, 10-fathom
 dredge): 8/20/69-2.

University of Washington Boat Log

- 1-S (off Carkeek Park): 5110A.
 1-SJ ("West Blakely" Shoal, east of
 Humphrey Head): 5033N.
 1-CP (north of the Narrows Bridge):
 5115G.



Chirolophis polyactocephalus

Stichaeide

Published Records

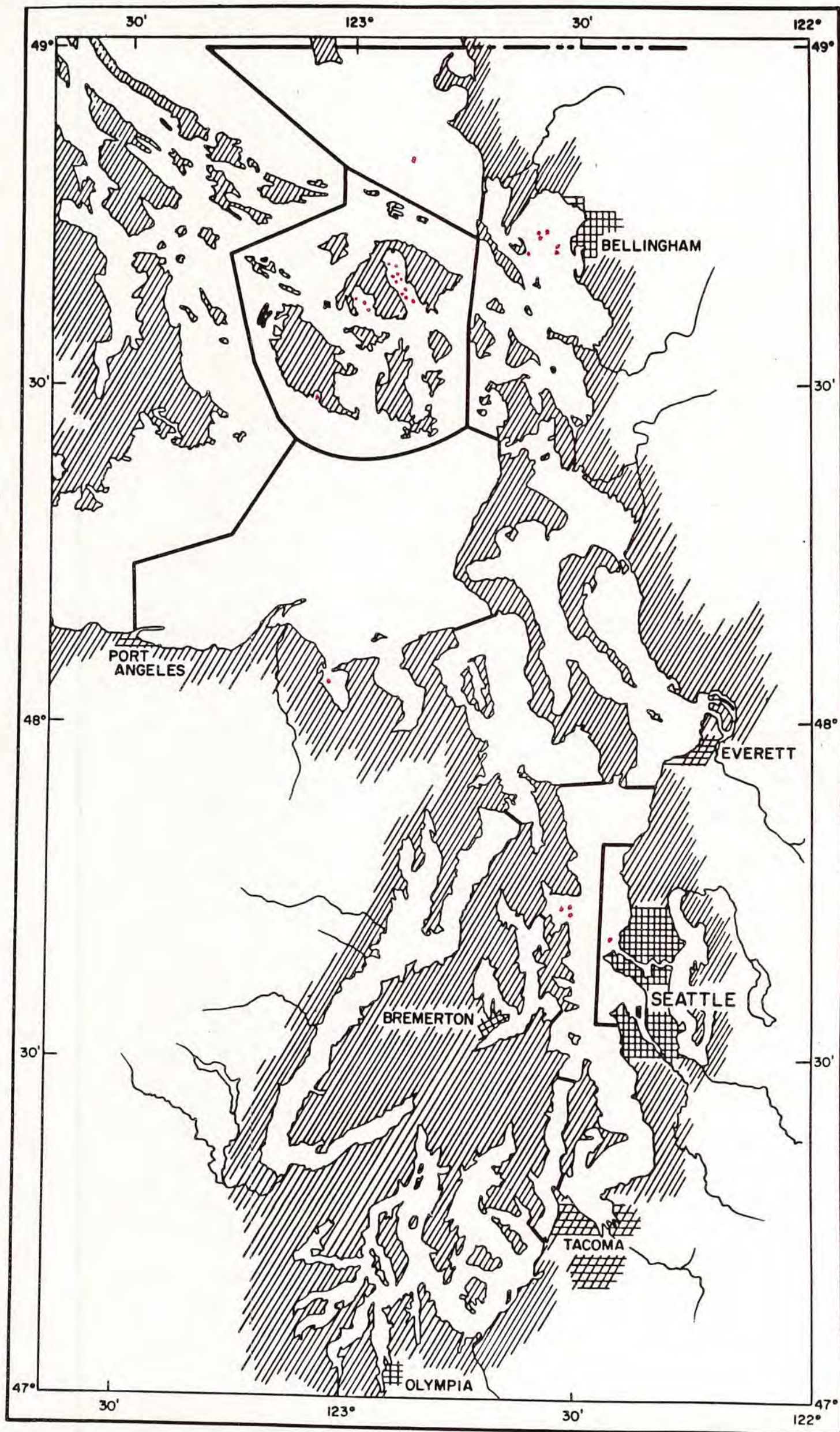
- 1-JF (off Admiralty Head):
Evermann and Goldsborough, 1907.
1-PO (Orchard Point):
Jordan and Starks, 1896.
1-PS: Kincaid, 1919.
1-SJ: Shelford et al., 1935.

University of Washington
Museum Collection

- 1-SJ (Friday Harbor): 1426.
1-E (east of Gedney Island): 2574.
1-E (off Everett): 2901.
1-E (Saratoga Pass-Port Susan):
2929.
1-E (Port Susan): 2937.
1-SJ (Rocky Bay): 3556.

Friday Harbor Laboratory Log

- 1-SJ (north of Skipjack Island,
dredge 45-85 fathoms): 8/6/69.



Lumpenus maculatus

Stichaeidae

Published Records

- 1-GS (Georgia Strait): Smith, 1936.
- 2-B (Bellingham Bay, near Point Frances):
Smith, 1936 (one is museum 3970).
- 1-JF (Sequim Bay): Smith, 1936.

University of Washington
Museum Collection

- 1-SJ (West Sound): 2236.
- 3-SJ (East Sound): 2286; 18689
(also NIH, 1964-65); 19640.
- 1-B (Bellingham Bay): 4317.
- 1-CS (off Port Madison):
8389 (also boat 5043C).

Friday Harbor Laboratory Log

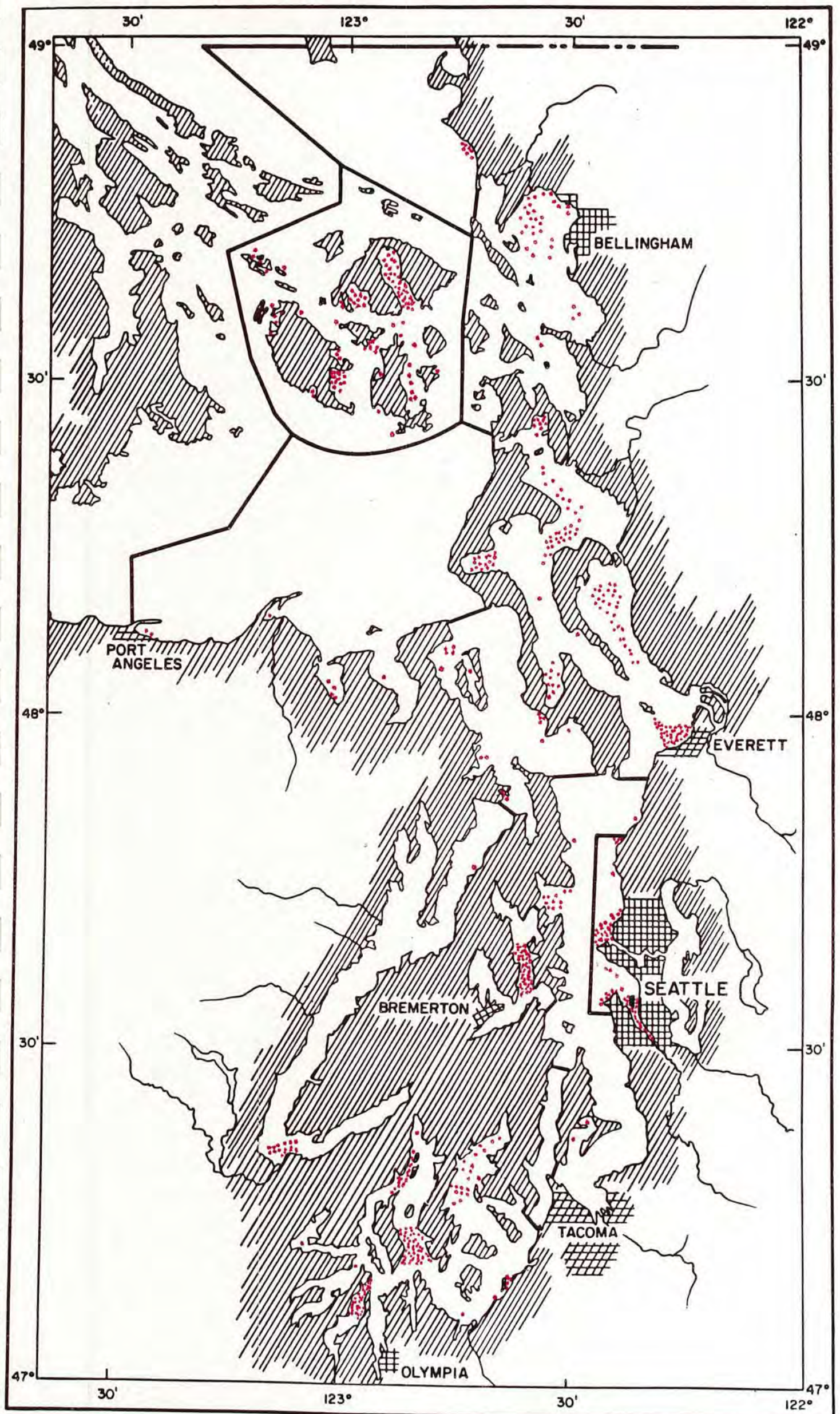
- 1-SJ (Lopez Sound and East Sound):
7/1/52.
- 2-SJ (East Sound):
8/11/52; 6/20/61.
- 2-SJ (West Sound):
7/26/60-2; 6/27/63.
- 1-SJ (False Bay): 6/29/61.
- 1-SJ (Reid Harbor, Stuart Island):
7/9/52-2 (also boat 5220H).
- 1-SJ (West Sound and Lopez Sound):
6/27/60.

University of Washington Boat Log

- 1-SJ (north end of East Sound):
491M.
- 3-SJ (training cruise area: East
Sound, north of Rosario Point):
6614H; 6620H; 7010H.
- 1-B (Bellingham Bay): 6822G.
- 1-B (training cruise area: southwest
of Post Point): 7307G.

Miscellaneous Logs

- 1-S (off Golden Gardens):
NMFS, Cobb-75.
- 1-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
- 2-B (north part Bellingham Bay, off
Nooksack River estuary):
Sea Grant, 72035.
- 3-CS (Port Madison):
Van Cleve, trap, 1961-65.



Lumperus sagitta

Stichaeidae

Published Records

- 1-B (Bellingham Bay):
Girard, 1859; Suckley, 1860.
1-PS: Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-E (off Everett):
Schultz and DeLacy, 1935-36.
1-SJ: Shelford et al., 1935.
1-S (Seattle):
Evermann and Goldsborough, 1907.
3-AI (Kilisut Harbor; north of Kala
Point; north of Tala Point):
Evermann and Goldsborough, 1907.
1-HC (Skokomish Flats):
Smith, 1937 (also museum 4344).
1-JF (Sequim Bay): Smith, 1936.
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.
11-S (Duwamish River): Salo, 1969.
3-S (Duwamish Head): Salo, 1969.
7-E (Port Gardner): Salo, 1969.
10-E (Skagit Bay): Salo, 1969.
16-B (beach seine: Bellingham Bay,
north of Eliza Island):
Tyler, 1964.
2-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
1+-SJ: MacPhee and Clemens, 1962
(also Friday Harbor Lab Log).
2-E (Skagit Bay):
Stober and Salo, 1970a.

University of Washington
Museum Collection

- 1-PS (Whidbey Island): 16.
1-GS or -B (Whatcom County): 78.
2-PS: 197; 6148.
5-SJ (Squaw Bay):
566; 690; 652; 2075; 2176.
1-SJ (False Bay): 582.
1-SJ (White Beach, East Sound):
590.
1-SJ (Davis Bay): 602.
1-SJ (Upright Head and Shoal Bay):
677.
2-SJ (Flat Point): 682; 2219.
2-S (Seattle): 711; 835.
2-SJ: 726; 11362.
1-SJ (Friday Harbor): 1048.
3-AI (Bywater Bay):
4434; 4458; 14639.
3-S (Edmonds Beach):
4559; 5507; 5295.
1-SS (off Minter Creek):
6111 (also boat 5037H).
1-CS (Browns Bay): 6117.
6-S (Golden Gardens): 4870; 5657;
5902 (also boat 5032.1C); 5809
(also boat 5036A); 16475; 16740.

- 5-SJ (East Sound):
745; 2287; 17063 (also Friday
Harbor Log, 6/20/63); 17137;
18690 (also NIH, 1964-66).
2-SJ (Deer Harbor): 811; 1232.
2-S (beach seine: Golden Gardens):
8247 (also boat 5007D); 16889
(also boat 6309).
1-S (Richmond Beach): 8850.
1-AI (off Double Bluff): 10269.
1-S (Shilshole Bay): 15450.
1-SJ (north part of East Sound):
5764 (also boat 491M).
1-SJ (west of Ram Island):
5752 (also boat 491P).
1-SJ (Lopez Island to Blakely
Island): 1308.
1-SJ (O'Neal Island): 1767.
1-SJ (Brown Island): 2138.
2-SJ (West Sound):
2237; 8253 (also boat 5033L).
1-S (Edmonds): 4263.
1-S (Carkeek Park Beach): 5975.
1-SJ (south of Spencer Spit, Lopez
Sound): 6034 (also boat 5033P).
1-SJ (beach seine: Fishermans Bay):
6207.
1-SJ (north side Johns Island,
second bay): 13986 (also Friday
Harbor Log, 9/19/52-2).
1-SJ (Westcott Bay): 13992.
1-SJ? (Graham Island?, Rose Spit):
16451.
1-SJ (East Sound):
16476 (also boat 5033M).
1-SS (beach seine: mainland opposite
Island):
16479 (also boat 7/20/49-2).
1-SJ (Lopez Sound): 16684 (also
Friday Harbor Log, 7/11/63).
1-SJ (mid East Sound): 18691 (also
Friday Harbor Log, 6/5/64).
1-SJ (East Sound, south of Rosario
Point):
19578 (also NIH, 1964-66).

Friday Harbor Laboratory Log

- 1-SJ (north of Stuart Island):
7/5/51-2.
1-SJ (Satellite Island): 7/5/51-3.
1-SJ (Garrison Bay): 7/19/51-3.
1-SJ (Lopez Sound and East Sound):
7/1/52.
1-SJ (Reid Harbor, Stuart Island):
7/9/52-2 (also boat 5220H).
13-SJ (Argyle Bay):
7/21/52; 8/16/55-2,3; 8/11/60-2,
3; 8/11/60-4; 6/22/61; 7/8/61;
7/12/61-1,3,4; 8/3/61; 7/10/69-4.
8-SJ (East Sound):
8/11/52; 8/13/60-1; 7/6/60-2;
7/26/60-1; 6/20/61; 5/11/62;
6/29/71-1; 7/6/71-1.
1-SJ (Roche Harbor): 8/19/52.

Lumpenus sagitta

Stichaeidae

Friday Harbor Laboratory Log

- 1-SJ (East or West Sound): 7/25/55.
 1-SJ (north of Neck Point):
 8/14/50-2.
 3-SJ (Squaw Bay):
 8/1/55; 8/1/60-1; 7/12/61-1.
 1-SJ (off Iceberg Point): 8/4/55-1.
 1-SJ (Trump Island to Decatur Head):
 8/11/55-2.
 3-SJ (lower East Sound):
 8/11/55-3; 8/22/55-6; 6/20/50-2
 (also boat 5033I).
 1-SJ (south of Satellite Island):
 8/15/55-1.
 1-SJ (Prevost Harbor): 7/10/50-4.
 1-SJ (west of Decatur Head):
 7/24/50-1.
 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).
 1-SJ (West Sound and Lopez Sound):
 6/27/60.
 1-SJ (Friday Harbor Lab): 7/19/60.
 1-SJ (Upright Head to Olga):
 8/1/60-2.
 2-SJ (Westcott Bay): 8/16/60-2,3.
 5-SJ (West Sound):
 7/26/60-2; 8/13/60-2; 6/16/61;
 7/27/63-B; 6/20/69-2.
 3-SJ (Argyle Lagoon):
 8/11/60-1; 7/10/69-2,3.
 1-SJ (Mitchell Bay): 8/16/60-1.
 1-SJ (White Beach): 8/16/60-4.
 2-SJ (North Bay): 8/18/60-1,2.
 1-SJ (False Bay): 6/29/61.
 2-SJ (mid East Sound):
 7/11/64; 6/20/69-1.
 1-SJ: 7/14/67.
 1-SJ (Lopez Sound): 7/8/69-2.
 1-SJ (lower East Sound): 6/26/73-1.
 1-SJ (Upright Head to Foster Point):
 6/26/73-2.
 1-SJ (Argyle Lagoon): 7/9/73.

University of Washington Boat Log

- 1-SJ (north end of East Sound):
 491L.
 2-SJ (training cruise area: Lopez
 Sound, southwest of Center
 Island): 6603I; 7017I.
 2-SJ (training cruise area: East
 Sound, north of Rosario Point):
 6717H; 6908H.
 1-B (Bellingham Bay): 6822G.
 1-B (training cruise area: southwest
 of Post Point): 7118G.
 3-E (Holmes Harbor):
 5316E; 5522D; 5604D.
 1-E (Elger Bay): 5418I.
 2-E (beach seine: Good Beach, Penn
 Cove): 5316G,H.
 1-E (Saratoga Pass, Onamac Point):
 5418L.
 1-E (Penn Cove): 5810H.
 1-CS (head of Quartermaster Harbor):
 5042B.

- 1-CS (mid Quartermaster Harbor):
 5042D.
 1-CS (off Indianola): 5043A.
 1-PO (beach seine: 1 mile north
 Illahee Dock): 6205A3.
 7-S (off Golden Gardens to Meadow
 Point): 494B; 5119C; 5132B;
 5329C; 5920F; 6112B; 498B.
 31-S (beach seine: Golden Gardens to
 Meadow Point):
 5040A; 5047C; 5121B; 5127C;
 5129B; 5134A; 5215B,G,H,M; 5328A;
 5415P; 5417A; 5612A; 5710A,B,C,D;
 5807A,B; 5920M,N; 63100,P,Q,R;
 6311B; 6319; 6513A; 6518A,B.
 2-S (Golden Gardens): 6511E,F.
 2-S (beach seine: north side of West
 Point): 7310B2; 7311C.
 5-SS (off Glen Cove to off Raft and
 Cutts Islands):
 5037G; 5126M; 5227B; 5613A,G.
 2-SS (off Wauna): 5037I; 5126L.
 4-SS (off Minter Creek to Elgin):
 5045G,J; 5126F; 5227I.
 1-SS (Oakland Bay, off Shelton):
 5115K.
 1-SS (Totten Inlet, off Windy Point
 to south end of Steamboat
 Island): 5115D.
 1-SS (Case Inlet, off Victor):
 5126G.
 1-SS (Carr Inlet): 5522C.
 2-SS (Eld Inlet, trap, 1 mile
 northeast of Flapjack Point):
 6208A,B.
 1-SS (east of Cutts Island): 5037D.

Miscellaneous Logs

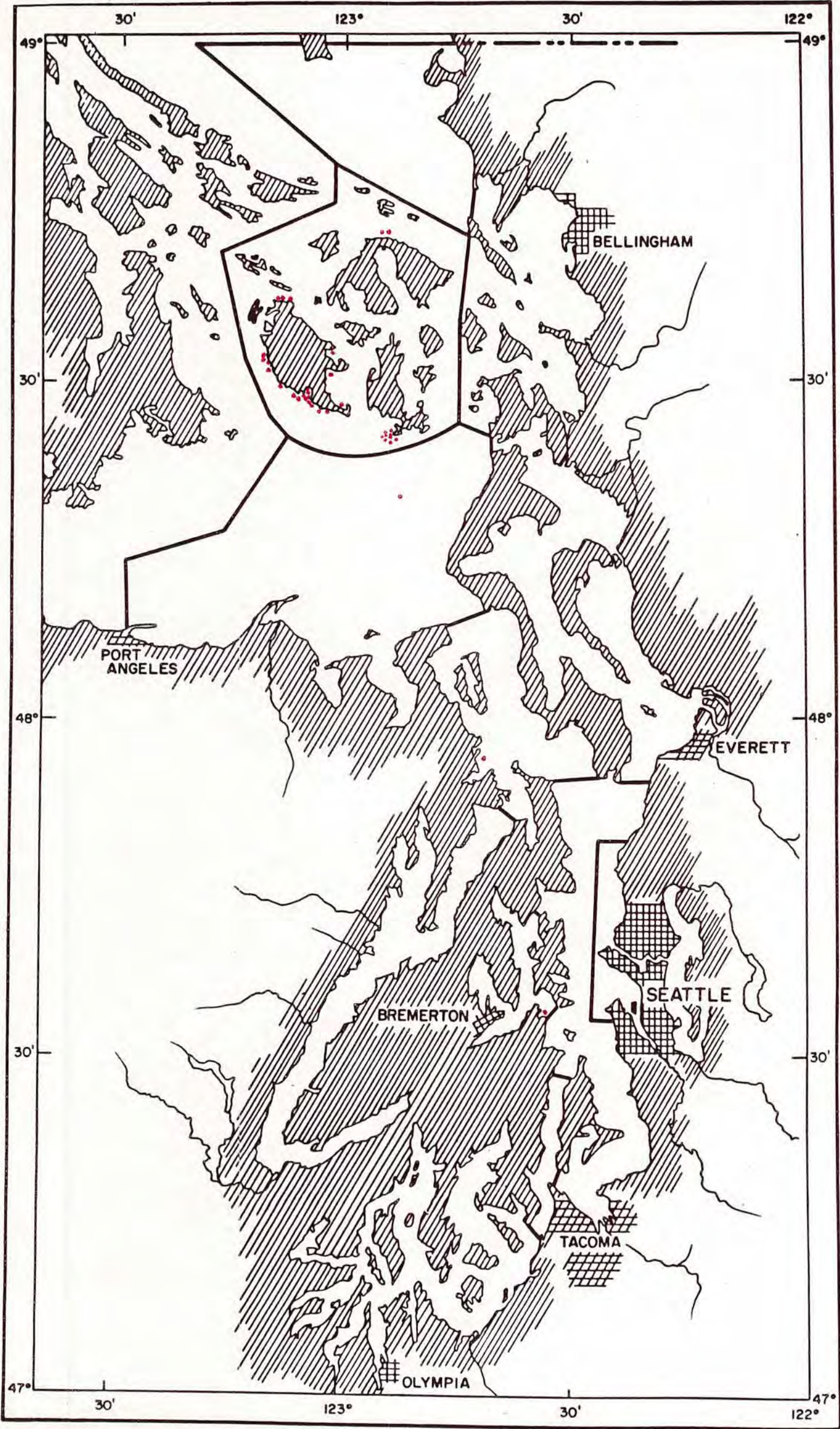
- 1-SJ (East Sound): A.C. DeLacy,
 personal communication, 6/20/69.
 10+-S (beach seine: Duwamish River):
 Metro, 1963-70.
 10+-S (trawl: Duwamish River):
 Metro, 1966-70.
 5-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 10-S (Duwamish River):
 U.W. Ocean., 1964-67.
 50+-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 50+-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 12-S (Golden Gardens to Meadow
 Point):
 U.W. Ocean., Hoh, 1963-68.
 14-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.
 10-SS (Carr Inlet, off Horsehead
 Bay): U.W. Ocean., Hoh, 1963-67.
 6-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.

Lumpenus sagitta

Stichaeidae

Miscellaneous Logs

- 28-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Saratoga Pass., Rocky Point):
U.W. Ocean., Hoh, 1963-67.
- 6-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 16-E (off Rocky Point to off
Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 9-E (Port Gardner Bay):
U.W., Ocean., Hoh, 1963-67.
- 4-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 1-CS (Apple Cove Point):
U.W. Ocean., Hoh, S.J., 1966.
- 4-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Useless 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; Lummi Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 3-B (Samish Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 3-B (Bellingham Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 7-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 10-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 6-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Port Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 18-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
- 2-SJ (East Sound): NIH, 1968-71.
- 1-B (Bellingham Bay, off Nooksack to
Marine Drive): NIH, 1968-71.
- 1-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
- 2-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 53-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 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.
- 2-JF (Sequim Bay, lower half);
Sea Grant, 71110.
- 4-GS (south of Cherry Point):
Sea Grant, 72009.
- 8-S (Duwamish River estuary, 16th
Ave. S. to 1st Ave. S. bridge):
Sea Grant, 1972.
- 4-AI (beach seine: Mutiny Bay):
Sea Grant, 1972.
- 3-GS (south of Cherry Point):
Sea Grant, 72019.
- 2-B (Bellingham Bay, mid-channel,
off Nooksack estuary):
Sea Grant, 72035.
- 1-S (off north west side of West
Point): Sea Grant, 1973.
- 1-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
- 3-S (Duwamish River estuary, between
1st and 16th Ave. S. bridges):
Sea Grant, 1973.
- 2-S (Duwamish River estuary,
downstream from 1st Ave. S.
bridge): Sea Grant, 1973.
- 1-SS (off Nisqually River-McAllister
Creek): Sea Grant, 1973.
- 3-B (Bellingham Bay, off Nooksack
River estuary):
Sea Grant, 73032.
- 4-SS (McLane Cove toward Stretch
Island): Sea Grant, 1973.
- 5-SS (west side of Dougall Point):
Sea Grant, 1973.
- 2-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973-74.
- 6-HC (off Union): Sea Grant, 1973.
- 3-HC (mid-channel, off Union):
Sea Grant, 1973.
- 5-HC (off Skokomish River delta):
Sea Grant, 1973.
- 1-HC (beach seine: just north of
Vinland): Sea Grant, 73038.
- 4-SS (Cormorant Pass.):
Sea Grant, 1973.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.
- 3-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 11-S (beach seine: north side of
West Point): Sea Grant, 1973.



Phytichthys chirus

Stichaeidae

Published Records

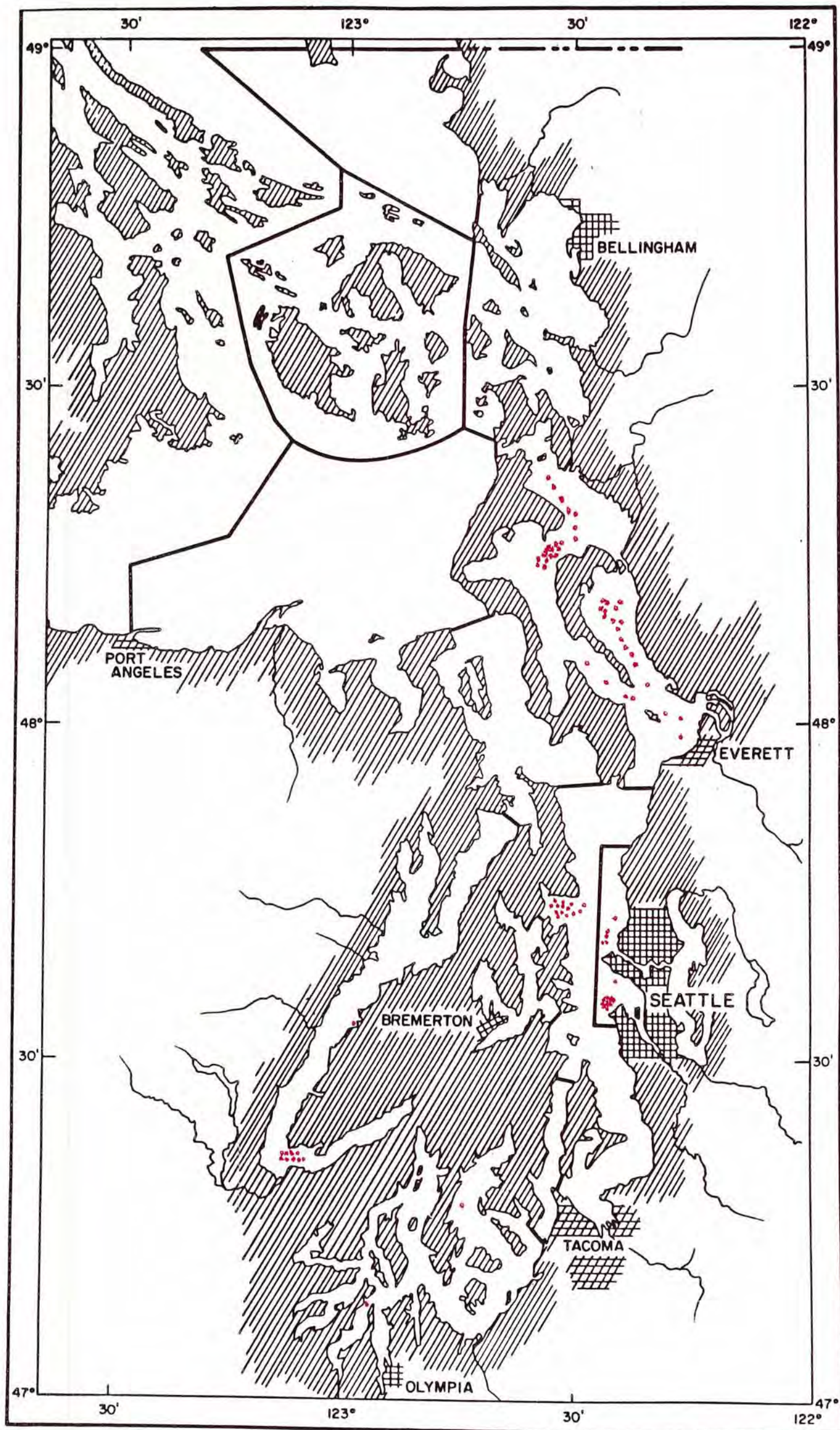
- 1-PO (Orchard Point):
Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.

University of Washington
Museum Collection

- 1-SJ (2 miles south of Lime Kiln):
1062.
3-SJ (Kanaka Bay):
1083; 1151; 1256.
2-SJ (Parker Reef, north of Orcas
Island): 1168; 2179.
1-SJ (False Bay): 1276.
2-PS: 1433; 1444.
2-SJ (False Bay Reef): 1488; 3219.
1-SJ (reef north of Lime Kiln
light): 10767.
1-SJ (south of Smallpox Bay): 14002
(also Friday Harbor Log, 7/8/52).
1-SJ (Iceberg Point tide pool):
14036 (also Friday Harbor Log,
7/22/52-3).
1-SJ (south of False Bay): 16486.
1-SJ (Hannah Heights): 17929 (also
Friday Harbor Log, 8/3/63).
1-SJ: 17959.
1-SJ (Iceberg Point): 18026 (also
Friday Harbor Log, 7/18/63-2).
1-SJ (Deadman Bay): 18205 (also
Friday Harbor Log, 6/22/63).
1-SJ (Limestone Point): 17427 (also
Friday Harbor Log, 6/23/63).
1-SJ (point east of Eagle Cove):
17422 (also Friday Harbor Log,
8/5/63).

Friday Harbor Laboratory Log

- 1-SJ (south of Smallpox Bay):
7/8/52.
1-SJ (Fish Creek): 7/21/52-1.
1-SJ (Argyle Bay): 7/21/52.
2-SJ (Iceberg Point tide pool):
8/4/55-2 (also boat 5520D);
8/22/60-1.
2-SJ (False Bay): 7/10/60; 6/29/61.
1-JF (Smith Island): 8/6/60-2.
1-SJ (Kanaka Bay): 8/21/60.
5-SJ (Iceberg Point): 6/28/61-2;
7/19/63-2; 7/7/67; 6/30/69-1,2.
1-SJ (Hannah Heights): 7/6/67.
1-SJ (Friday Harbor Lab):
6/21/67-2.
1-SJ (Eagle Point): 7/5/67.
1-SJ (either False Bay or Argyle
Bay): May, 1962.
1-SJ (Iceberg Point tide pool):
6/29/73-1.



Plectobranchnus evides

Stichaeidae

Published Records

- 1-HC: Gilbert and Thompson, 1905.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-E (Gedney Island, near Camano
 Head): Smith, 1937.
 7-E (Skagit Bay): Salo, 1969.

University of Washington
Museum Collection

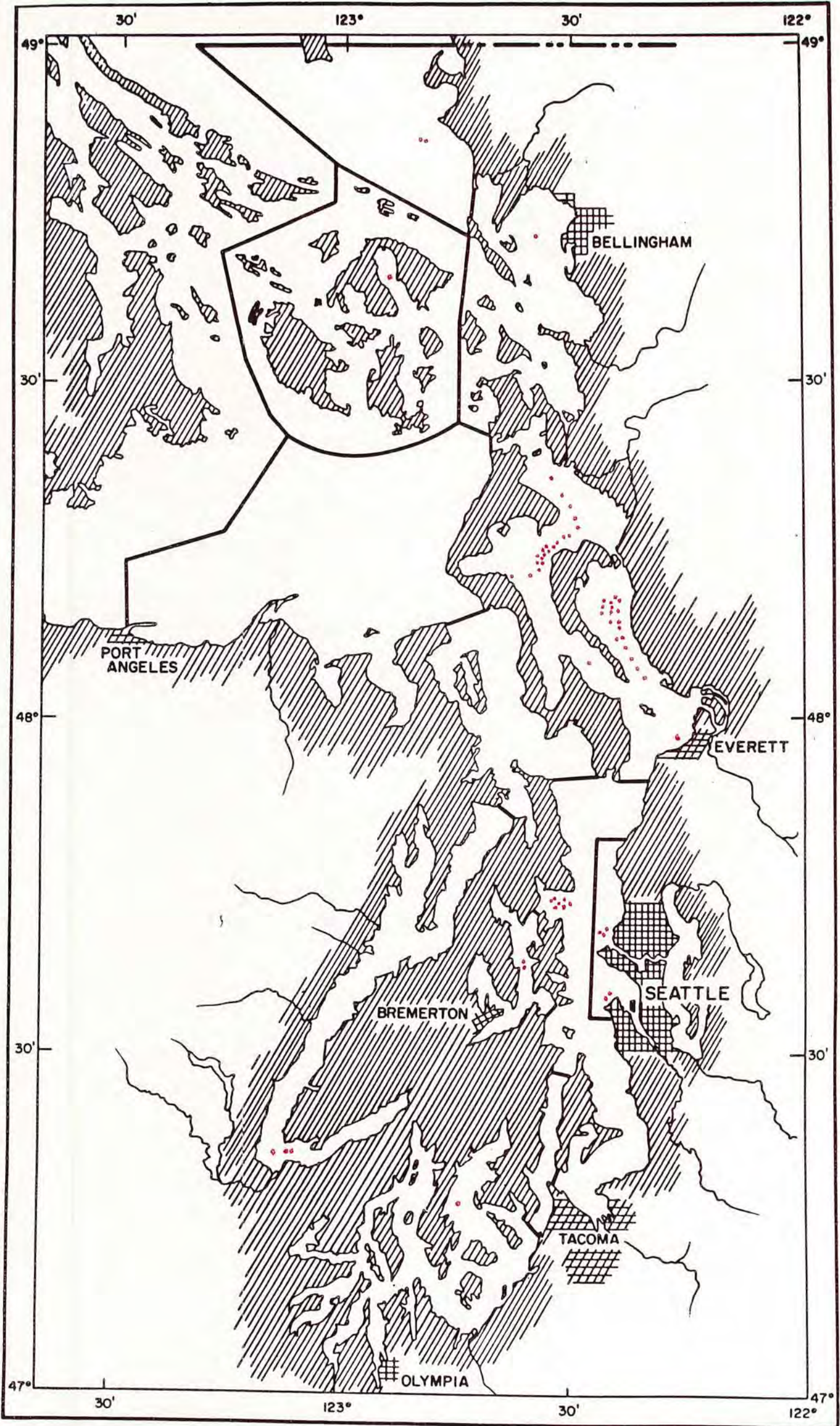
- 1-E (east of Gedney Island): 2572.
 1-E (off Snohomish River): 2615.
 1-E (Saratoga Pass, Sandy Point):
 2669.
 1-E (Saratoga Pass.): 2918.
 1-E (Port Susan): 2939.
 1-E (off Everett): 2945.
 1-E (off Tulalip Bay):
 5950 (also bcat 7/1/49-1).
 3-S (off Golden Gardens): 5688
 (also boat 491A); 5846 (also boat
 493B); 5860 (also boat 5034E).
 1-S (off 4-Mile Rock to Pier 91):
 5883 (also bcat 5027C).
 1-S (off Meadow Point):
 5959 (also bcat 496B).
 1-CS (Port Madison, mid off
 Indianola):
 7453 (also boat 492B).
 1-CS (off Port Madison):
 8389 (also boat 5043C).
 1-E (Saratoga Pass.): 19627.

University of Washington Boat Log

- 1-S (off Carkeek Park): 5039C.
 1-CS (off Port Madison): 497B.
 1-E (training cruise area: off Penn
 Cove): 6826E; 7118E).

Miscellaneous Logs

- 11-S (Off Duwamish Head to Alki
 Point): U.W. Ocean., 1964-67.
 1-SS (Carr Inlet, off Horsehead
 Bay): U.W. Ocean., Hoh, 1963-67.
 4-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 9-E (Saratoga Pass., Rocky Point):
 U.W. Ocean., Hoh, 1963-67.
 13-E (Port Susan):
 U.W. Ocean., Hoh, 1963-67.
 3-E (off Rocky Point to off Utsalady
 Point):
 U.W. Ocean., Hoh, 1963-67.
 7-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 7-HC (mid-channel, off Union):
 Sea Grant, 1973-74.
 2-HC (mid-channel, off Skokomish
 River delta): Sea Grant, 1973.
 1-SS (entrance to Eld Inlet):
 Van Cleve, trap, 1961-65.



Poroclinus rothrocki

Stichaeidae

Published Records

- 2-GS (2.5 miles southwest of Point Whitehorn):
 Smith, 1936 (also museum 3803).
 5-E (Skagit Bay): Salo, 1969.

University of Washington
Museum Collection

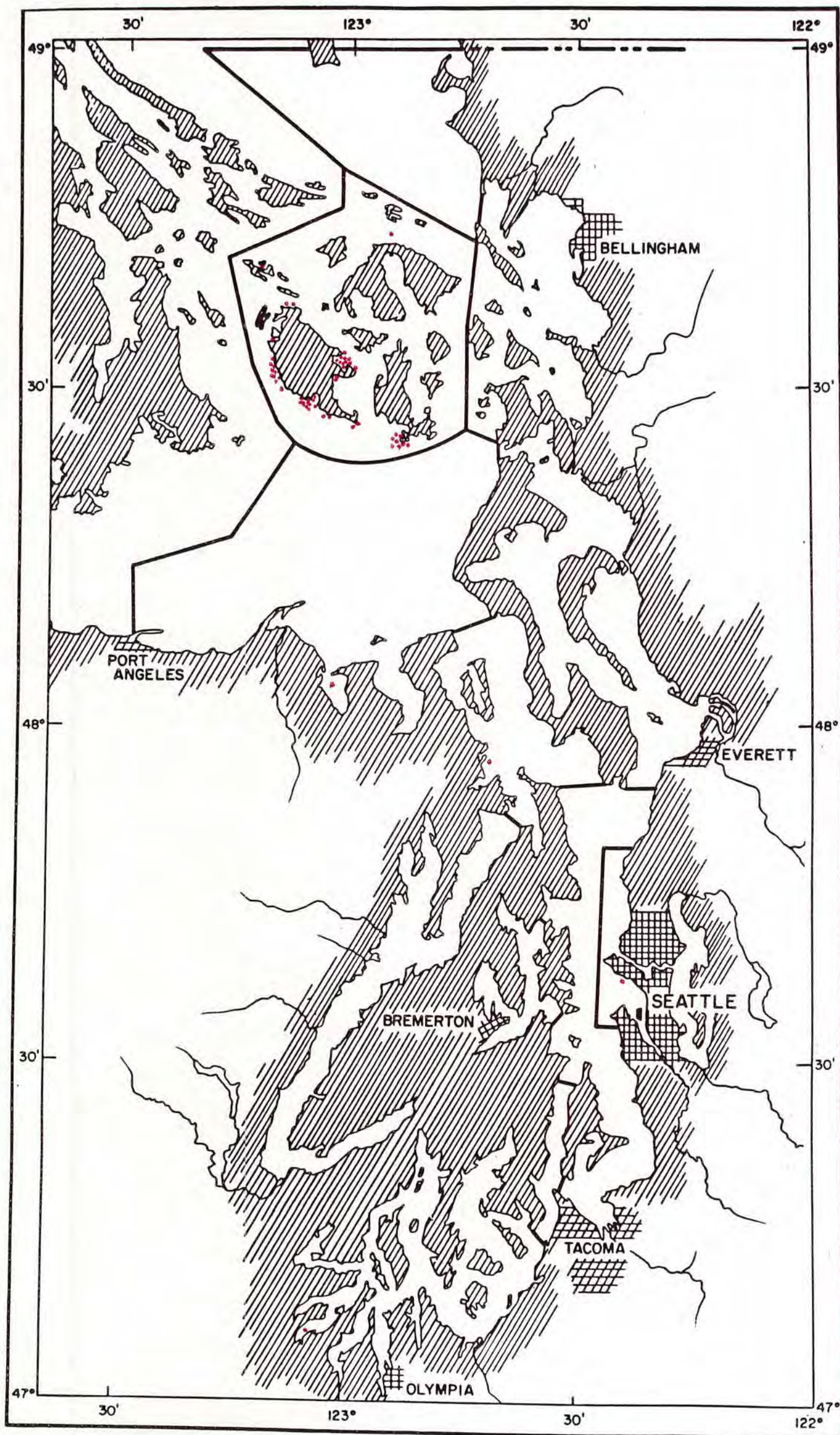
- 1-E (off Tulalip): 2912.
 1-E (Saratoga Passage): 2919.
 1-E (Port Susan): 2940.
 1-E (Port Susan): 19179.

University of Washington Boat Log

- 1-E (Saratoga Passage, south of Snatelum Point): 5418H.
 1-PO (trap, off Fletcher Bay): 6203C.

Miscellaneous Logs

- 1-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
 1-SJ (East Sound): Bill High, personal communication, 12/9/63.
 2-S (off Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
 1-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
 3-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.
 1-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
 4-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
 14-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
 10-E (Saratoga Pass., Rocky Point): U.W. Ocean., Hoh, 1963-67.
 2-E (off Rocky Point to off Utsalady Point): U.W. Ocean., Hoh, 1963-67.
 1-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.
 1-PO (off Fletcher Bay): Van Cleve, trap, 1961-65.
 2-E (Saratoga Passage, west side just south of Penn Cove): Van Cleve, trap, 1961-65.
 2-HC (mid-channel, off Union): Sea Grant, 1973.
 1-HC (mid-channel, off Skokomish River delta): Sea Grant, 1973.
 3-CS (Port Madison): Van Cleve, trap, 1961-65.



Xiphister atropurpureus

Stichaeidae

Published Records

- 1-S (Seattle):
 Jordan and Starks, 1896.
 1-AI (Port Ludlow): Starks, 1896b.
 1-SJ (Friday Harbor): Batts, 1961.

University of Washington
Museum Collection

- 1-SJ (Friday Harbor): 1001.
 1-SJ (Cattle Point): 1019.
 1-SJ (Lime Kiln): 1032.
 1-SJ (2 miles south of Lime Kiln):
 1069.
 4-SJ (Kanaka Bay):
 1086; 1152; 1257; 10436.
 1-SJ (Parker Reef, north of Orcas
 Island): 1163.
 1-SJ (False Bay): 1280.
 1-SJ (False Bay Reef): 1470.
 1-SS (Oyster Bay): 4808.
 1-SJ (reef north of Lime Kiln
 light): 10768.
 1-SJ (Iceberg Point tide pool):
 14040 (also Friday Harbor Log,
 7/22/52-3).
 1-SJ: 17938.
 2-SJ (Deadman Bay):
 17951 (also Friday Harbor Log,
 8/2/63); 18225 (also Friday
 Harbor Log, 6/22/63).
 1-SJ (Iceberg Point): 18025
 1-SJ (Limestone Point): 17439 (also
 Friday Harbor Log, 6/23/63).
 1-SJ (Hannah Heights): 17999 (also
 Friday Harbor Log, 8/3/63).
 1-SJ (point east of Eagle Cove):
 17421 (also Friday Harbor Log,
 8/5/63).

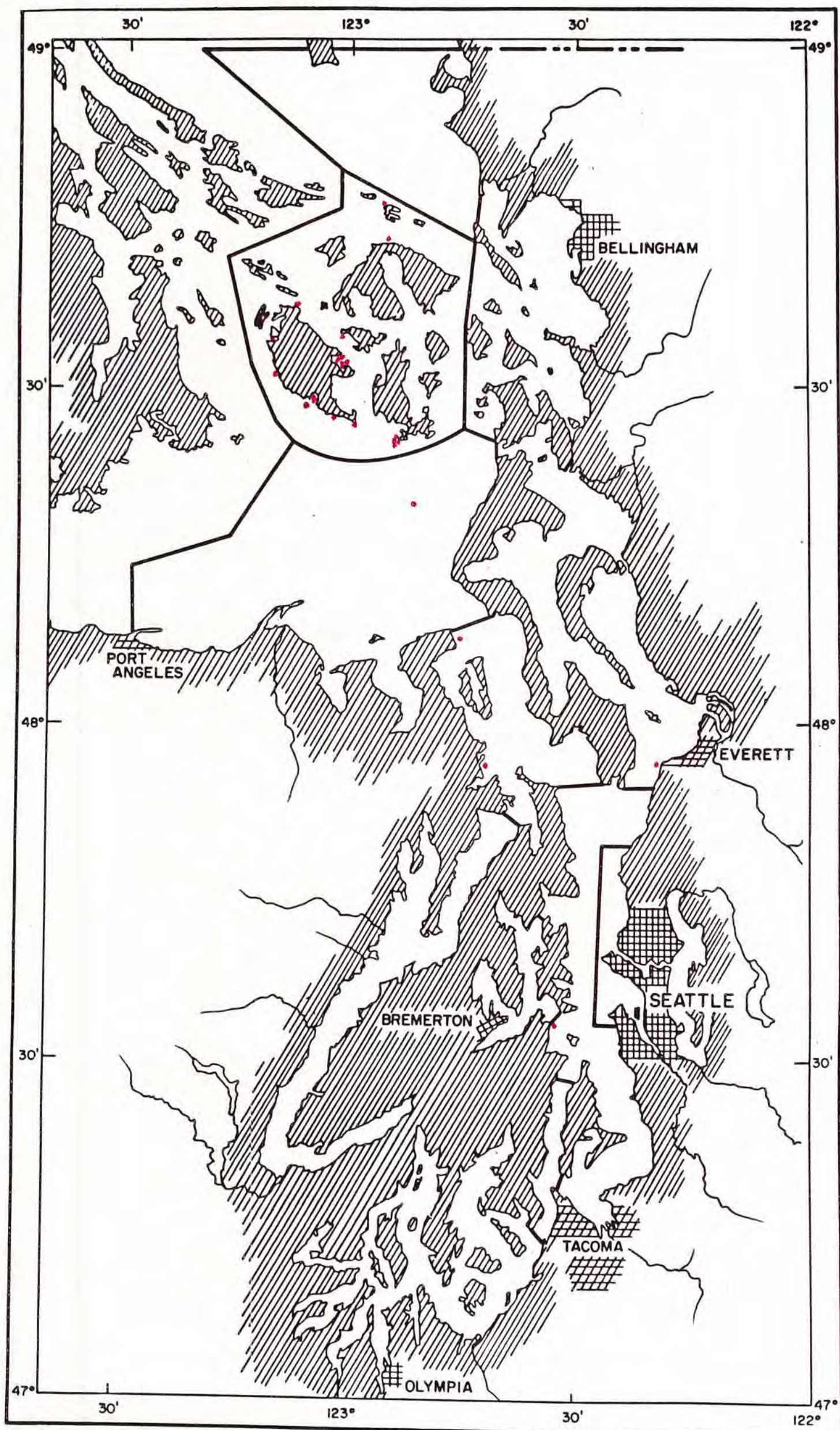
Friday Harbor Laboratory Log

- 1-SJ (south of Smallpox Bay):
 7/8/52.
 4-SJ (Friday Harbor): 6/21/55-1;
 8/6/60-1; 6/27/61; 7/25/61.
 2-SJ (Iceberg Point tide pool):
 8/4/55-2 (also boat 5520D);
 8/22/60-1.
 1-SJ (south of Satellite Island):
 8/15/55-1.
 2-SJ (Argyle Bay): 8/16/55-1,2.
 4-SJ (Friday Harbor Lab):
 6/23-30/60; 7/7/60; 8/4/60-1;
 6/21/67-2.
 2-SJ (Minnesota Reef):
 7/11/60-2; 8/4/60-2.
 1-SJ (Kanaka Bay): 8/21/60.
 5-SJ (Iceberg Point):
 6/28/61-2; 7/18/63-2; 7/19/63-2;
 7/7/67; 6/30/69-3.
 2-SJ (False Bay): 6/29/61; 7/26/61.
 1-SJ (Turn Island): 7/30/61.
 3-SJ (Deadman Bay):
 6/27/67; 7/3/67; 7/11/67-1.
 1-SJ (Cattle Point): 6/22/67.

- 1-SJ (Eagle Point): 7/5/67.
 1-SJ (Iceberg Point tide pool):
 6/29/73-72.
 1-SJ: May, 1962.
 1-SJ (Mitchell Bay): 6/30/73.

Miscellaneous Logs

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



Xiphister mucosus

Stichaeidae

Published Records

- 1-AI (Port Townsend): Bean, 1884.
 1-AI (Port Ludlow): Starks, 1896b.
 1-SJ: Starks, 1911.
 1-SJ (Brown Island, Friday Harbor):
 Miles, 1918.

University of Washington
Museum Collection

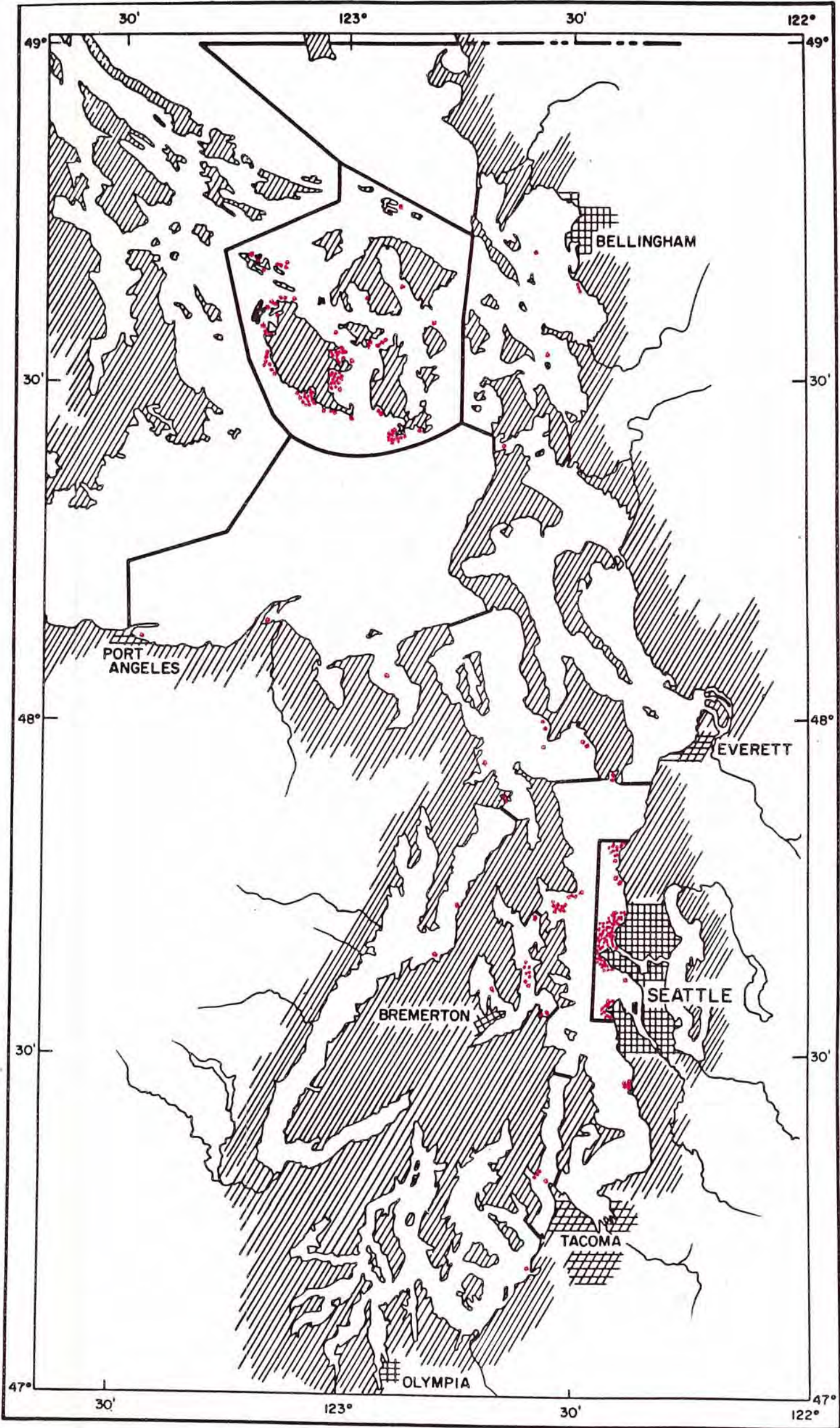
- 3-SJ (Friday Harbor):
 999; 1044; 14372.
 1-SJ (Parker Reef, north of Orcas
 Island): 1164.
 1-SJ (False Bay): 6161.
 1-CS (reef north of Manchester
 Rocks): 639.
 1-SJ (Limestone Point): 17432.
 1-SJ: 17932.
 1-SJ (Iceberg Point): 18030 (also
 Friday Harbor Log, 7/18/63-2).
 1-SJ (point east of Eagle Cove):
 17423 (also Friday Harbor Log,
 8/5/63).

Friday Harbor Laboratory Log

- 1-SJ (south of Neck Point):
 8/14/50-1.
 1-SJ (Friday Harbor Lab): 8/18/55.
 1-SJ (Minnesota Reef): 7/11/60-2.
 1-JF (Smith Island): 8/6/60-1.
 1-SJ (Kanaka Bay): 8/21/60.
 1-SJ (Iceberg Point tide pool):
 8/22/60-1.
 1-SJ: May, 1962.
 2-SJ (False Bay): 6/29/61; 7/26/61.
 1-SJ (Cattle Point): 8/6/61.
 1-SJ (Deadman Bay): 6/22/63.
 2-SJ (Iceberg Point):
 7/19/63-2; 6/30/69-3.
 1-SJ (Mitchell Bay): 6/30/73.

Miscellaneous Logs

- 1-SJ (northwest beach of Sucia
 Island): Allyn Johnson, personal
 communication, Diving, 4/2/72.
 1-E (1 block north of Mukilteo ferry
 dock): Allyn Johnson, personal
 communication, 4/18/72.



Apodichthys flavidus

Pholidae

Published Records

- 1-SS (Fort Steilacoom):
 Girard, 1859; Suckley, 1860.
 1-PO (Orchard Point):
 Jordan and Starks, 1896.
 1-AI (Port Ludlow): Starks, 1896b.
 1-SJ (Sucia Island):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-B (Bellingham Bay, north of Eliza
 Island): Tyler, 1964.
 4-CS (beach seine: south side of
 Point Jefferscn): Kendall, 1966.

University of Washington
Museum Collection

- 1-E (Deception Pass): 171.
 1-SJ (Argyle Bay): 554.
 1-SJ (East Sound, White Beach):
 591.
 1-SJ (East Sound): 617.
 2-SJ (Davis Bay): 598; 1191.
 1-SJ (San Juans): 727.
 1-S (Seattle): 842.
 1-S (West Seattle): 917.
 3-SJ (Kanaka Bay):
 1084; 1148; 1255.
 1-SJ (Peavine Pass): 1110.
 2-SJ (False Bay): 1277; 2156.
 1-S (off Ballard Locks): 4377.
 1-S (beach seine: Edmonds): 4383.
 2-AI (Useless Bay):
 4425 and 4426; 4566.
 2-AI (Bywater Bay): 4432; 14652.
 1-S (North Beach): 4469.
 1-S (beach seine: Alki Point):
 4519.
 3-S (Edmonds Beach):
 4548; 4588; 5509.
 2-S (beach seine: spit near Ballard
 Locks): 4580; 4615.
 1-PO (Agate Pass, north of buoy N4):
 5831.
 2-CS (beach seine: Cultus Bay):
 5926 (also boat 5032A); 8853 and
 16473 (also boat 5217).
 3-PS: 6164; 7491; 14027.
 1-AI (off Double Bluff): 10268.
 1-CP (Point Defiance): 16468.
 2-S (Richmond Beach):
 5892 (also boat 2/13/50); 13990.
 1-SJ (False Bay Reef): 1471.
 3-SJ (Friday Harbor):
 2193; 13995; 14021.
 1-SJ (Roche Harbor): 2950.
 1-S (Edwards Point to Wells Point):
 4983.
 1-S (Carkeek Park beach): 5969.
 11-S (beach seine: Golden Gardens):
 5943 (also boat 5032.1A); 5936
 (also boat 5032.1B); 5901 (also
 boat 5032.1C); 5929 (also boat
 5032.1D); 5915 (also boat
 5032.1E); 5800 (also boat 5036A);

- 14027 (also boat 5129B); 14029
 (also boat 5215U); 14856 (also
 boat 5804B); 16448 (also boat
 5925A); 16450 (also boat 5040A).
 3-S (Edmonds): 4261; 4917; 6125.
 4-S (Alki Point):
 4818; 4889; 4899; 4902.
 2-S (off Golden Gardens):
 7581; 16920.
 1-S (beach seine: Meadow Point):
 10330.
 1-SJ (False Bay entrance): 10457.
 3-S (Golden Gardens):
 14023; 17970; 18035.
 1-S (beach seine: Carkeek Park):
 14030 (also boat 5221C).
 1-B (Saddlebag Island): 16693.
 1-SJ (Upright Channel): 17215 (also
 Friday Harbor Log, 7/5/63).
 1-SJ (point east of Eagle Cove):
 17414 (also Friday Harbor Log,
 8/5/63).
 1-SJ (Limestone Point):
 17431 and 17986 (also Friday
 Harbor Log, 6/23/63).
 2-SJ (Deadman Bay):
 17931 and 17948 (also Friday
 Harbor Log, 8/2/63); 18224 (also
 Friday Harbor Log, 6/22/63).
 1-SJ: 17933.
 1-SJ (Iceberg Point): 18016 (also
 Friday Harbor Log, 7/18/63-2).

Friday Harbor Laboratory Log

- 1-SJ (Johns Island, Reef Bay):
 7/5/51-1.
 1-SJ (American Camp): 7/6/52.
 1-SJ (south of Smallpox Bay):
 7/8/52.
 3-SJ (Iceberg Point tide pool):
 7/22/52-3; 8/4/55-2 (also boat
 5520D); 8/22/60-1.
 9-SJ (False Bay):
 8/4/52-1; 7/10/60; 7/24/60;
 8/5/60; 6/29/61; 7/26/61;
 6/21/63; 7/18/67; 7/1/69-2,4.
 2-SJ (north Johns Island, second
 bay): 8/19/52-1,2.
 1-SJ (Roche Harbor): 8/19/52.
 3-SJ (Friday Harbor):
 6/21/55-1; 8/6/60-1; 7/25/61.
 4-SJ (Mitchell Bay): 6/25/55-2;
 6/24/60; 8/16/60-1; 7/17/61-2.
 1-SJ (Johns Island): 7/10/50-2.
 3-SJ (Squaw Bay):
 8/1/55; 8/1/60-1; 7/10/61-1.
 1-SJ (Upright Channel, Odlin Park):
 8/1/55.
 1-SJ (Brown Island): 8/2/55.
 1-SJ (south of Satellite Island):
 8/15/55-1.
 7-SJ (Argyle Bay):
 8/16/55-1,3; 8/11/60-2,3;
 6/22/61; 7/12/61-3; 7/15/63.

Apodichthys flavidus

Pholidae

Friday Harbor Laboratory Log

- 2-SJ (outside False Bay):
8/17/55-1,2.
4-SJ (Friday Harbor Lab): 8/18/55;
7/9/60; 8/4/60-1; 6/18/69.
1-SJ (Prevost Harbor): 7/10/50-4.
1-SJ (San Juan Island, opposite
Henry Island): 7/31/50-1.
1-SJ (south of Neck Point):
8/14/50-1.
3-SJ (Argyle Lagoon):
7/2/60; 7/15/60-3; 7/9/73.
1-SJ (Westcott Bay): 8/16/60-2.
1-SJ (White Beach): 8/16/60-4.
2-SJ (North Bay): 8/18/60-1,2.
1-SJ (Kanaka Bay): 8/21/60.
6-SJ (Iceberg Point):
8/22/60-2; 6/28/61-2; 7/19/63-2;
7/7/67; 6/30/69-1,2,3.
1-SJ (Turn Island): 7/30/61.
1-SJ: 5/62.
2-SJ (Deadman Bay):
6/27/67; 7/11/67-1.
2-SJ (Hannah Heights):
8/3/63; 7/6/67.
1-SJ (Cattle Point): 6/23/67-1.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ (Eagle Point): 7/5/67.
1-SJ (Squaw-Ogden): 6/27/69.
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 (Reid Harbor): 7/15/69-3.
1-SJ (Iceberg Point tide pool):
6/29/73-2.

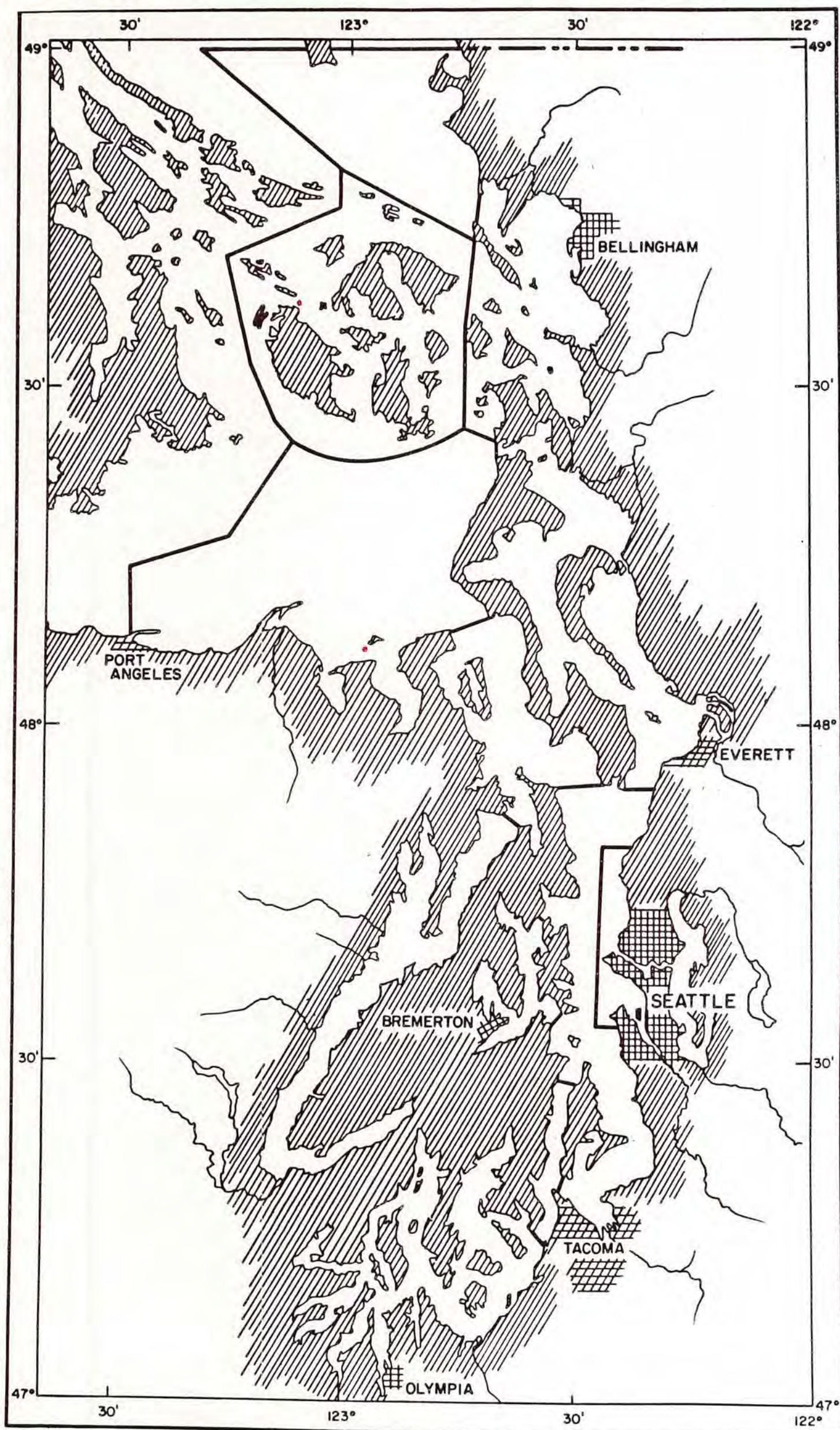
University of Washington Boat Log

- 30-S (beach seine: Golden Gardens to
Meadow Point): 5024D; 5116F;
5134A; 5137A; 5214A,B1,B2,D;
5215B,C,D,G,J,K; 5320A; 5322A;
5612A; 5706A; 5710C,D; 5804A;
5909E; 5913A; 5920I; 6116A,B,C;
6211; 6311C; 6319.
2-E (Holmes Harbor or Penn Cove):
6117F,H.
1-S (1/2 mile west of Duwamish
Head): 6615A.
2-S (beach seine: Carkeek Park):
5708B; 5808A.
2-S (beach seine: north side of West
Point): 7311A,B.
1-S (6-foot seine, north side of
Meadow Point): 6513B.

Miscellaneous Logs

- 2-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
5-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
50+-S (Golden Gardens and Meadow
Point):
U.W. Ocean., Hoh, 1963-68.

- 2-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
9-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
1-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.
4-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
1-PO (Clam Bay): NIH, 1968-71.
1-JF (beach seine: Dungeness embay-
ment): Peninsula College, 1971.
1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
1-S (Edmonds ferry): Bruce Miller,
Diving Log, 10/11/64.
1-SJ (Argyle Bay): Bruce Miller,
Diving Log, 7/20/66.
1-SJ (Friday Harbor): Bruce Miller,
Diving Log, 7/22/66.
3-CP (beach seine: Gig Harbor spit):
Sea Grant, 72003 (also boat
7208).
1-AI (beach seine: Mutiny Bay):
Sea Grant, 72014.
3-AI (beach seine: Mutiny Bay):
Sea Grant, 72015.
5-CS (beach seine: Seahurst County
Park): Sea Grant, 72016.
1-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.
1-SS (beach seine: Nisqually Head):
Sea Grant, 72021.
1-HC (off Big Beef Harbor):
Sea Grant, 72026.
2-S (beach seine: Golden Gardens):
Sea Grant, 72027.
7-S (beach seine: north side of West
Point): Sea Grant, 1973.
9-S (beach seine: south side of West
Point): Sea Grant, 1973.
1-S (off southwest side of West
Point): Sea Grant, 1973.
7-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
1-S (southwest of Alki Point):
Sea Grant, 1973.
3-B (beach seine: Wildcat Cove):
Sea Grant, 1973.
1-HC (Bangor Annex): Kramer, Chin,
and Mayo, NCEL Survey, 1973.
1-S (Edmonds ferry dock):
A.C. DeLacy, personal
communication, 1959.
1-S (Shilshole Bay):
Metro, 1966-70.
1-SJ (Edwards Reef, west-central San
Juan Island): Bruce Miller,
Diving Log, 8/16/66.



Pholis clemensi

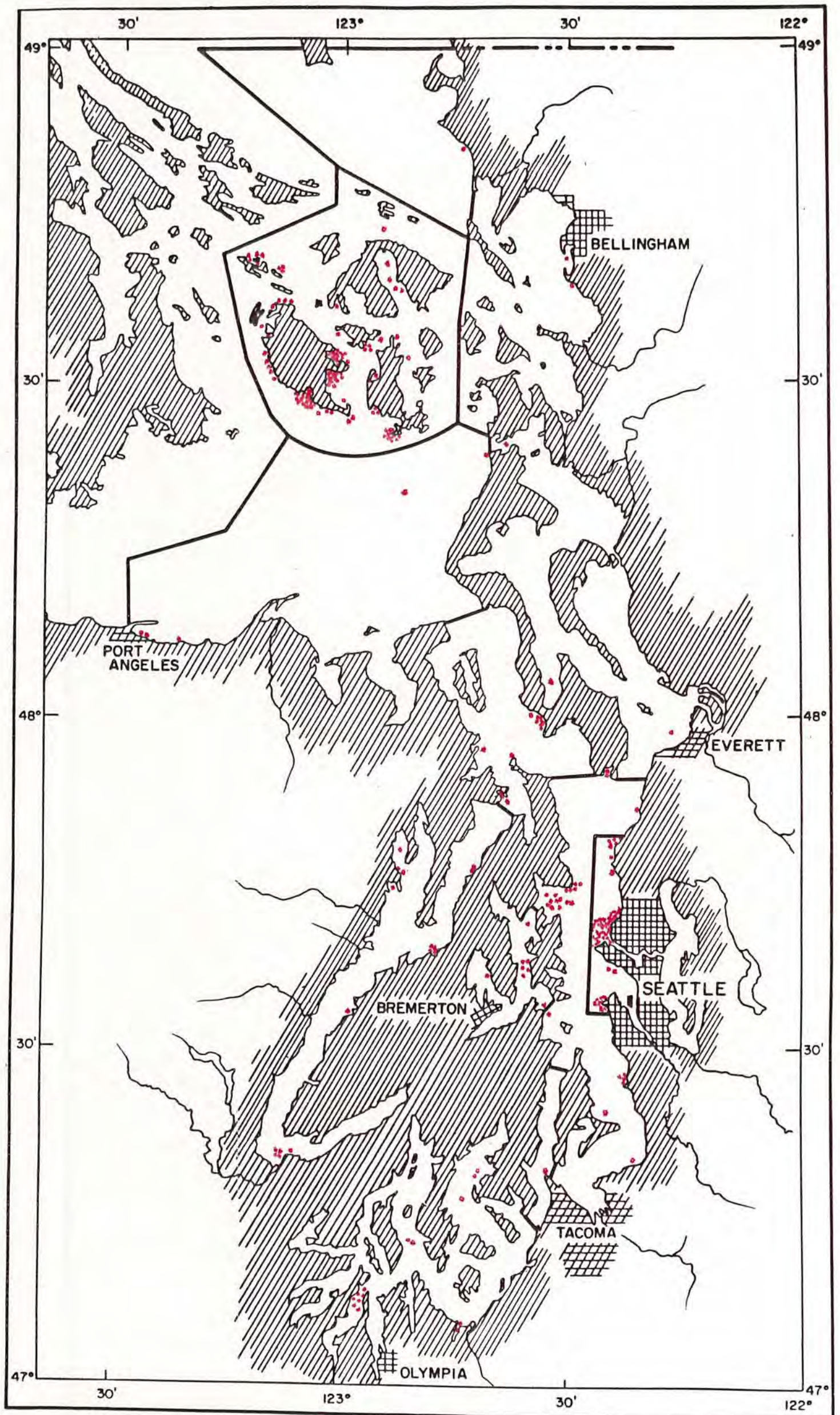
Pholidae

Published Records

1-JF (Protection Island, 30 fathoms, dredge): Rosenblatt, 1964 (also museum 5258).

Friday Harbor Laboratory Log

1-SJ (probably Spieden Channel off Deer Harbor, possibly Massacre Bay): 7/14/67.



Pholis laeta

Pholidae

Published Records

1-PS: Jordan and Gilbert, 1882.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-SJ: Shelford et al., 1935.
 4-CS (beach seine: south side of
 Point Jefferson): Kendall, 1966.
 S (south of Meadow Point):
 DeLacy and English, 1954
 (duplicated in boat log).

University of Washington
Museum Collection

3-SJ (East Sound): 632; 739; 2971.
 1-PS (near Whidbey Island): 15.
 1-E (Deception Pass): 173.
 1-SJ (Upright Head and Shoal Bay):
 672.
 2-S (Seattle): 831; 3082.
 1-SJ (Cattle Point): 1004.
 1-SJ (Lime Kiln): 1036.
 3-SJ (Friday Harbor):
 1047; 2192; 13991.
 1-SJ (2 miles south of Lime Kiln):
 1067.
 3-SJ (Kanaka Bay):
 1147; 1087; 10437.
 1-SJ (Parker Reef, north of Orcas
 Island): 1167.
 3-SJ (Davis Bay): 1190; 2169; 3085.
 1-E (off Everett): 2900.
 6-S (Alki Point): 2916; 3086; 3784;
 4016; 4597; 4824.
 1-S (beach seine: south of Ballard
 Locks): 4400.
 3-HC (Bywater Bay):
 4439; 4453; 14638.
 5-S (North Beach):
 4470; 4599; 4684; 4829; 5064.
 1-S (beach seine: Alki Point):
 4526.
 2-S (Edmonds Beach): 4555; 5506.
 2-PS: 4637; 11386.
 1-PS (Vashon Island): 5596.
 1-CS (north side of Maury Island):
 6136.
 1-CS (Indianola): 6170.
 1-HC (Seal Rock): 7485.
 1-CS (Cultus Bay): 7515.
 1-JF (1 mile north of Smith Island):
 7567.
 1-AI (Foulweather Bluff):
 11379 and 11380.
 1-CS (Jefferson Head): 14026.
 1-JF (beach near Morse Creek):
 14634.
 2-HC (Dabob Bay, Point Whitney):
 14687; 16445.
 1-HC (Quilcene Bay): 14735.
 1-CP (Point Defiance): 16447.
 1-CS (beach seine: Cultus Bay):
 16469 (also boat 5217).
 1-B (Chuckanut Bay): 18285.
 1-PO (Orchard Point): 3074.
 1-CS (reef north of Manchester
 Rocks): 3084.

1-S (Richmond Beach):
 5896 (also boat 2/13/50).
 1-S (Carkeek Park):
 5953 (also boat 5022C).
 7-S (Golden Gardens):
 5900 (also boat 5032.1C); 5796
 (also boat 5036A); 5914; 8847;
 5645; 5654; 12203.
 1-SJ (Deer Harbor): 1230.
 6-SJ (False Bay): 1278; 2157; 3076;
 3081; 3083; 11385.
 1-SJ (Peavine Pass): 1334.
 1-SJ (False Bay reef): 1484.
 1-SJ (Squaw Bay): 2076.
 1-SJ (Roche Harbor): 2948.
 2-SJ (Iceberg Point):
 2956; 18004 (also Friday Harbor
 Log, 7/18/63-2).
 1-SJ (off Brown Island): 2995.
 1-SJ (East Sound, White Beach):
 3077.
 3-SJ: 3078; 3537; 17957.
 1-SJ (Flat Point): 3079.
 1-CS (Redondo Beach): 4595.
 3-S (Edmonds): 4600; 4928; 4941.
 1-S (Edwards Point to Wells Point):
 4978.
 1-SJ (Iceberg Point tide pool):
 13988 (also Friday Harbor Log,
 7/22/52-3).
 3-S (beach seine: Golden Gardens):
 14570 (also boat 5137A); 16466;
 11387 (also boat 5129B).
 2-S (1 mile south of Alki Point):
 6048; 7579.
 1-SJ (beach seine: Friday Harbor):
 6115.
 1-SS (west side of Cutts Island):
 7584.
 1-SJ (False Bay entrance): 10460.
 1-S (beach seine: Golden Gardens):
 10328 (also boat 5105B).
 1-SJ (Prevost Harbor): 10445 (also
 Friday Harbor Log, 8/19/52).
 1-SJ (Reef north of Lime Kiln
 light): 10764.
 1-SJ (Upright Channel): 17220 (also
 Friday Harbor Log, 7/5/63).
 1-SJ (north side Johns Island,
 second bay): 16443 (also Friday
 Harbor Log, 8/19/52-1).
 1-SJ (point east of Eagle Cove):
 17413 (also Friday Harbor Log,
 8/5/63).
 1-SJ (Limestone Point): 17438 (also
 Friday Harbor Log, 6/23/63).
 2-SJ (Deadman Bay):
 17934 (also Friday Harbor Log,
 8/2/63); 18204 (also Friday
 Harbor Log, 6/22/63).
 1-SJ (Hannah Heights): 18024 (also
 Friday Harbor Log, 8/3/63).
 1-SJ (south of Frost Island):
 5989 (also Friday Harbor Log,
 6/19/50-2 and boat 5033D).

Pholis laeta

Pholidae

Friday Harbor Laboratory Log

- 1-SJ (American Camp): 7/6/52.
 1-SJ (off Fish Creek): 7/21/52-1.
 14-SJ (Argyle Bay): 7/21/52;
 7/5/60; 7/12/61-1; 8/16/55-1,2,3;
 8/11/60-2,3,4; 7/12/61-3,4;
 7/18/61-2; 7/15/63; 7/10/69-4.
 3-SJ (Iceberg Point tide pool):
 8/4/55-2; 8/22/60-1; 6/29/73-2.
 4-SJ (Iceberg Point): 6/28/61-2;
 7/19/63-2; 7/7/67; 6/30/69-1.
 6-SJ (Friday Harbor Lab):
 7/31/52; 8/18/55; 7/9/60;
 8/4/60-1; 6/67; 1969 night light.
 1-SJ (north side Johns Island,
 second bay): 8/19/52-2.
 1-SJ (Prevost Harbor): 7/10/50-4.
 4-SJ (Friday Harbor): 6/21/55-1;
 8/6/60-1; 6/27/61; 7/25/61.
 1-SJ (Fisherman Bay): 6/24/55-1.
 3-SJ (Squaw Bay):
 8/1/55; 8/1/60-1; 7/10/61-1.
 1-SJ (Upright Channel, Odlin Park):
 8/1/55.
 1-SJ (Brown Island): 8/2/55.
 1-SJ (south of Satellite Island):
 8/15/55-1.
 2-SJ (outside False Bay):
 8/17/55-1,2.
 1-SJ (Johns Island): 7/10/50-1.
 2-SJ (Satellite Island):
 7/10/50-3,6.
 1-SJ (south of Neck Point):
 8/14/50-1.
 9-SJ (False Bay):
 7/17/50-1; 7/24/60; 8/5/60;
 6/29/61; 7/26/61; 6/21/63;
 7/18/67; 7/1/69-2,4.
 1-SJ (Mitchell Bay): 8/16/60-1.
 2-SJ (North Bay): 8/18/60-1,2.
 1-SJ (Kanaka Bay): 8/21/60.
 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (Mosquito Pass): 7/17/61-1.
 1-SJ (Turn Island): 7/30/61.
 1-SJ: 5/62.
 1-SJ (Hannah Heights): 7/6/67.
 1-SJ (Cattle Point): 6/23/67-1.
 1-SJ (Squaw Bay or West Sound):
 6/30/67.
 1-SJ (Eagle Point): 7/5/67.
 1-SJ (Squaw-Ogden): 6/27/69.
 1-SJ (Argyle Lagoon): 7/9/73.

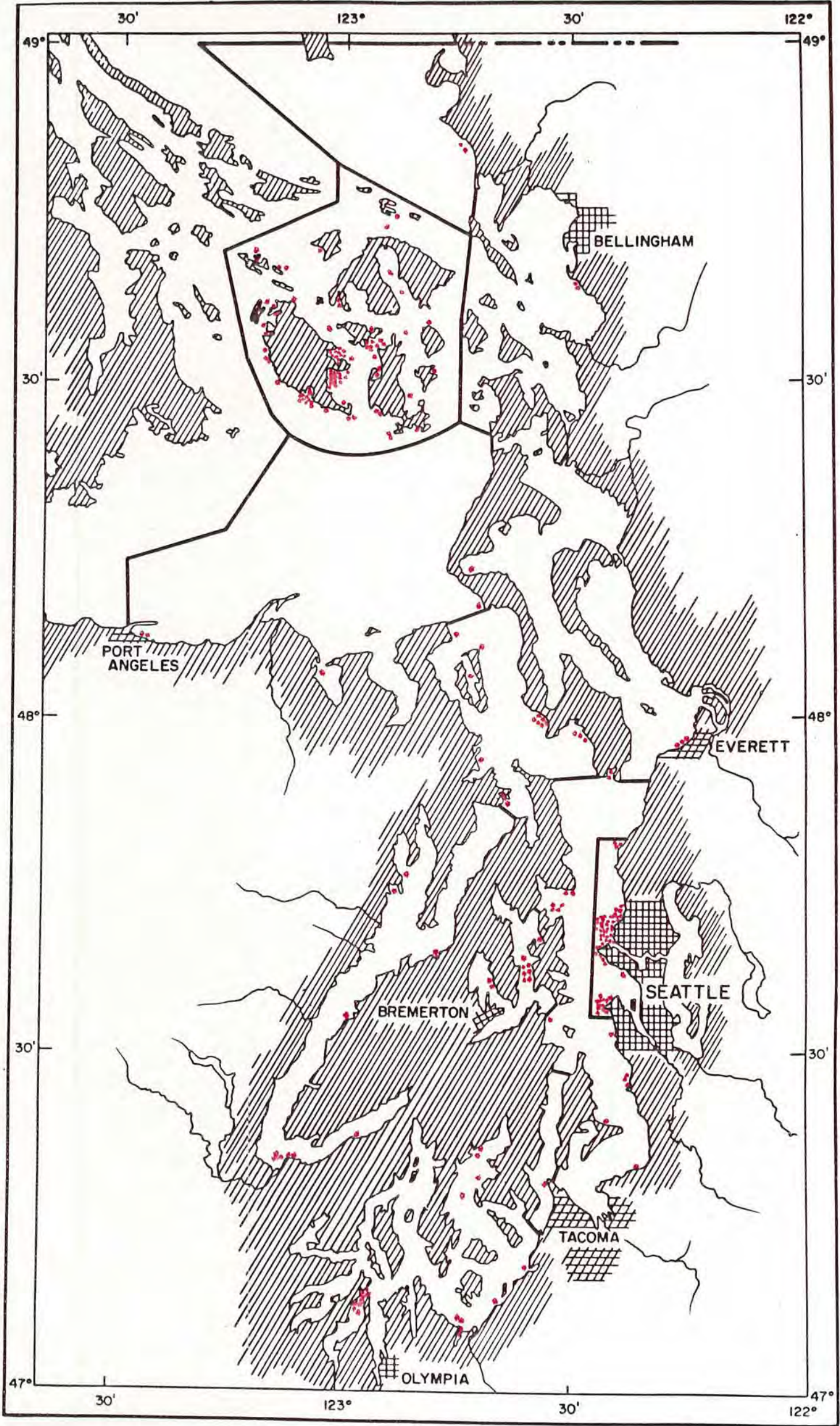
University of Washington Boat Log

- 30-S (beach seine: Golden Gardens to
 Meadow Point): 5012C; 5016C;
 5019C; 5021F; 5024C; 5108A;
 5110H; 5112F,G; 5114C; 5116A,D1,
 F,G1; 5119F; 5127C; 5134A,B;
 5137B; 5208A; 5214B,C,D,E,F;
 5710C; 5804A; 2-6417; 7209A.
 1-S (off Golden Gardens to Meadow
 Point): 5119H.
 1-S (beach seine: Carkeek Park):
 5225A.

- 1-SS (beach seine: west side of
 Cutts Island): 5037E.
 1-PO (south part of Agate Pass):
 5048A.
 1-CS (south edge of Port Madison):
 5315D.
 1-CS (trap: Port Madison): 6203A.
 1-SS (trap: Eld Inlet): 6219-1.

Miscellaneous Logs

- 5-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.
 2-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.
 1-E (Holmes Harbor):
 U.W. Ocean., Hoh, S.J., 1966.
 1-SJ (East Sound): NIH, 1968-71.
 7-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 7-SS (Eld Inlet entrance):
 Van Cleve, trap, 1961-65.
 2-JF (Port Angeles embayment):
 Peninsula College, 1971.
 1-GS (beach seine: south of Cherry
 Point): Sea Grant, 72008.
 8-AI (beach seine: Mutiny Bay launch
 ramp): Sea Grant, 1972.
 4-CS (beach seine: Seahurst County
 Park): Sea Grant, 72016.
 1-JF (beach seine: West Beach, north
 of Naval Air Station):
 Sea Grant, 72017.
 2-PO (beach seine: Dyes Inlet,
 Tracyton launch ramp):
 Sea Grant, 72018.
 7-S (beach seine: Golden Gardens):
 Sea Grant, 1972.
 1-HC (beach seine: Big Beef Creek
 bridge): Sea Grant, 72028.
 1-B (beach seine: Wildcat Cove):
 Sea Grant, 72029.
 1-S (beach seine: north side of West
 Point): Sea Grant, 1973.
 1-CS (beach seine: north of
 Meadowdale at Lunds Gulch):
 Sea Grant, 73002.
 2-SS (McAllister Creek estuary):
 Sea Grant, 1973.
 3-HC (beach seine: Big Beef Creek
 above bridge): Sea Grant, 1973.
 1-HC (off Union): Sea Grant, 1973.
 4-HC (Skokomish River delta):
 Sea Grant, 1973.
 2-HC (beach seine: just north of
 Vinland): Sea Grant, 73038.
 1-AI (Snake Rock, Port Ludlow):
 Allyn Johnson, personal
 communication, 5/14/72.



Pholis ornata

Pholidae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1859; Suckley, 1860.
1-JF (beach seine: Port Angeles):
Gilbert, 1985.
1-PS: Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-SJ: Starks, 1911.
1-SJ: Miles, 1918.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
2-AI (Marrowstone Point; Kilisut
Harbor):
Evermann and Goldsborough, 1907.
1-JF (Admiralty Head):
Evermann and Goldsborough, 1907.
1-AI (Port Townsend):
Evermann and Goldsborough, 1907.
1-PS (Whidbey Island):
Evermann and Goldsborough, 1907.
1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
1-SJ: Shelford et al., 1935.
1-SJ (San Juan Channel):
Wisner and Swanson, 1935.
2-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
2-HC (fyke net in Big Beef Harbor):
Anderson and Chew, 1972.

University of Washington
Museum Collection

- 1-CS (reef north of Manchester
Rocks): 644.
2-SJ (Davis Bay): 635; 600.
1-S (Pipers Canyon): 150.
1-S (West Seattle): 184.
1-SJ (Argyle Bay): 552.
2-SJ (Squaw Bay): 562; 2077.
2-SJ (False Bay): 569; 585.
1-SJ (East Sound, White Beach):
589.
1-S (Seattle): 707.
1-SJ (Flat Point): 723.
4-SJ: 734; 1198; 3542; 17962.
5-S (Golden Gardens):
769; 5934 (also boat 5032.1B);
5655; 14016; 17975.
5-S (Alki Point):
922; 4596; 4834; 5130; 6216.
3-SJ (Friday Harbor):
1000; 1046; 2112.
1-SJ (Cattle Point): 1003.
1-SJ (2 miles south of Lime Kiln):
1066.
1-CS (Lincoln Park Beach): 3574.
1-S (beach seine: Edmonds): 4389.
2-AI (Useless Bay): 4423; 4563.
3-AI (Bywater Bay):
4431; 4452; 14637.
1-S (beach seine: Alki Point): 4525.
2-S (Edmonds Beach): 4552; 4589.
2-S (beach seine: sandspit near
Ballard Locks): 4577; 4613.

- 1-S (Ballard blinker light): 4845.
1-S (west of Ballard Locks): 4944.
1-SS (north of Minter Creek): 5634.
1-CS (north side of Maury Island):
6135.
1-HC (Dabob Bay, Seal Rock): 7484.
1-S (south of Alki Point): 7555.
1-CS (beach seine: Cultus Bay):
8854 (also boat 5217).
1-SS (Carr Inlet): 10327.
1-HC (Twano State Park): 13987.
1-CP (Point Defiance): 14025.
1-AI: 16455.
1-HC (Dabob Bay, Point Whitney):
16578.
1-SJ (near Peavine Pass): 1111.
1-SJ (Parker Reef, north of Orcas
Island): 1166.
2-SJ (Deer Harbor): 1231; 2967.
1-SJ (Brown Island): 2137.
1-SJ (Blind Bay): 2249.
1-SJ (Roche Harbor): 2949.
1-SJ (Blakely Island to Shaw
Island): 2954.
2-SJ (East Sound): 2972; 7562.
1-SJ (off Brown Island): 2996.
1-S (North Beach): 4593.
1-CS (Redondo Beach): 4594.
1-CS (Cultus Bay): 7557.
3-S (Carkeek Beach Park):
5533; 5974; 14022.
1-S (1 mile south of Alki Point):
6049.
1-SJ (beach seine: Friday Harbor):
6157.
1-SJ (Fisherman Bay): 6205.
3-S (beach seine: Golden Gardens):
7576; 14028 (also boat 5134A);
16454.
1-SS (west side of Cutts Island):
7585.
1-SJ (entrance to False Bay):
10459 (also Friday Harbor Log,
8/4/52-1).
1-SJ (Crescent Beach, Orcas Island):
16452.
1-SJ (Upright Channel): 17216 (also
Friday Harbor Log, 7/5/63).
1-SJ (point east of Eagle Cove):
17411 (also Friday Harbor Log,
8/5/63).
1-SJ (Limestone Point): 17428 (also
Friday Harbor Log, 6/23/63).
2-SJ (Deadman Bay):
17930 (also Friday Harbor Log,
8/2/63); 18226 (also Friday
Harbor Log, 6/22/63).
1-S (Golden Gardens): 19644.

Friday Harbor Laboratory Log

- 1-SJ (Reef Bay, northeast side Johns
Island): 7/5/51-1.
1-SJ (off Fish Creek): 7/21/52-1.

Pholis ornata

Pholidae

Friday Harbor Laboratory Log

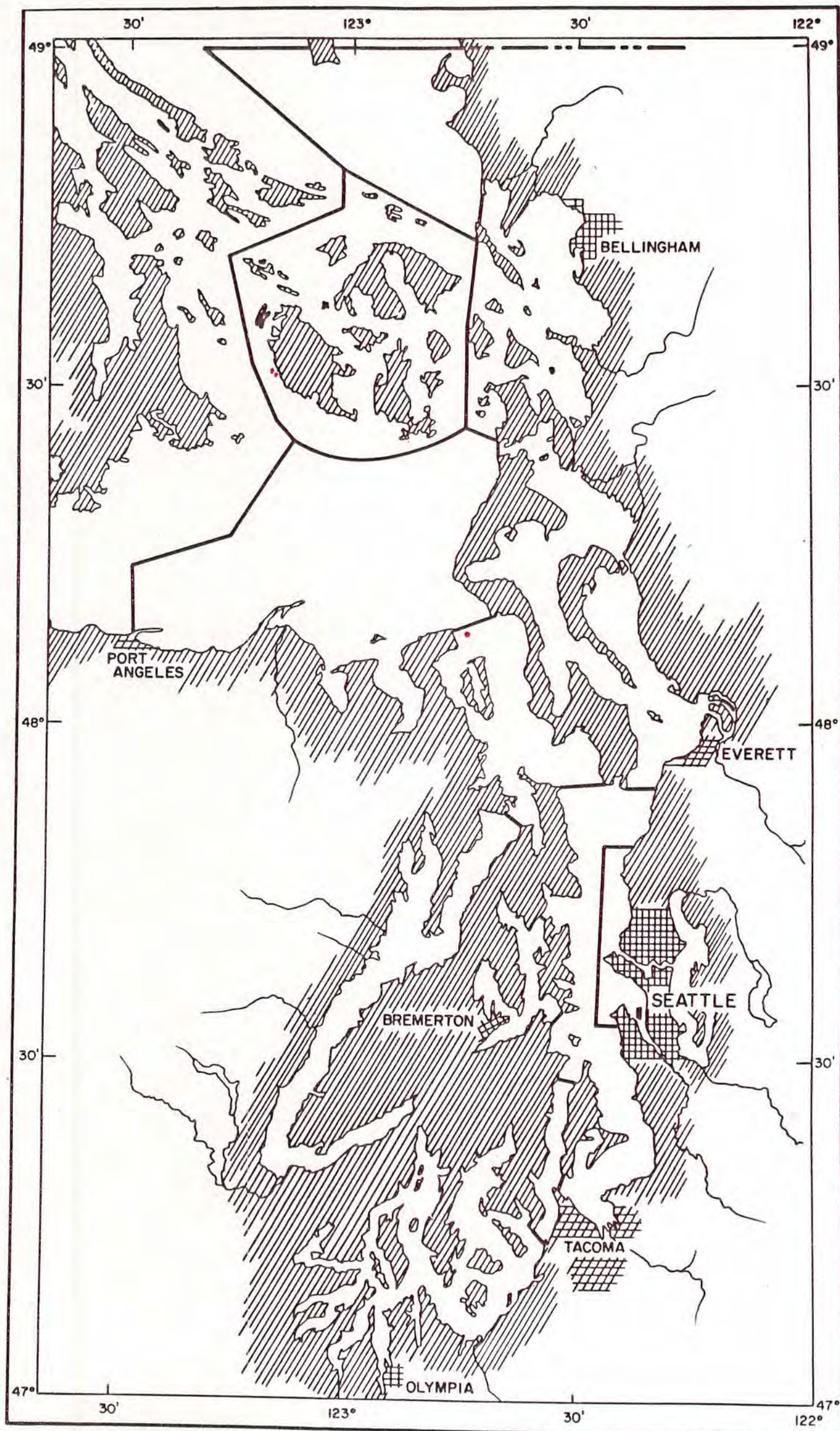
- 14-SJ (Argyle Bay): 7/21/52;
8/16/55-1,2,3; 7/5/60; 8/11/60-2,
3,4; 6/23/61; 7/12/61-1,3,4;
7/15/63; 7/10/69-4.
- 7-SJ (False Bay): 8/4/52-2; 8/5/60;
6/29/61; 7/26/61; 8/8/61;
6/21/63; 7/1/69-4.
- 5-SJ (Friday Harbor Lab):
8/8/52; 8/18/55; 7/9/60; 7/19/60;
8/4/60-1.
- 1-SJ (north side Johns Island,
second bay): 8/19/52.
- 2-SJ (Friday Harbor):
6/21/55-1; 8/6/60-1.
- 3-SJ (Squaw Bay):
8/1/55; 8/1/60-1; 7/10/61-1.
- 1-SJ (Upright Channel, Odlin Park):
8/1/55.
- 1-SJ (Brown Island): 8/2/55.
- 1-SJ (south of Satellite Island):
8/15/55-1.
- 1-SJ (Cowlitz Bay): 8/25/55-2.
- 1-SJ (Satellite 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.
- 4-SJ (Argyle Lagoon): 7/2/60;
7/31/60; 8/11/60-1; 7/12/61-2.
- 2-SJ (Mitchell Bay):
8/16/60-1; 7/17/61-2.
- 1-SJ (Westcott Bay): 8/16/60-2.
- 1-SJ (White Beach, East Sound):
8/16/60-4.
- 2-SJ (North Bay): 8/18/60-1,2.
- 2-SJ (Iceberg Point tide pool):
8/22/60-1; 6/29/73-2.
- 1-SJ (Turn Island): 7/30/61.
- 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: 5/62.
- 1-SJ (Cattle Point): 6/23/67-1.
- 1-SJ (Squaw Bay or West Sound):
6/30/67.
- 1-SJ (Squaw-Ogden): 6/27/69.

University of Washington Boat Log

- 1-SS (beach seine: 1 mile north of
Minter Creek): 5126E.
- 1-E (beach seine: Good Beach, Penn
Cove): 5316H.
- 1-PO (night light in Manzanita Bay):
5518.
- 2-SS (Eld Inlet, trap):
6217; 6219-1.
- 1-S (beach seine: Alki Point to
Duwamish Head): 6619A.
- 1-SJ (beach seine: Fisherman Bay):
50330.
- 2-S (beach seine: Golden Gardens to
Meadow Point): 5127C; 5612A.
- 1-S (beach seine: Carkeek Park):
5225A.

Miscellaneous Logs

- 3-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 6-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 15-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.
- 1-AI (Useless Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 4-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 15-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
- 1-JF (Sequim Bay):
Battelle, 1967-69.
- 2-GS (beach seine: just south of
Cherry Point): Sea Grant, 72008.
- 6-AI (beach seine: Mutiny Bay launch
ramp): Sea Grant, 1972.
- 3-CS (beach seine: Seahurst County
Park): Sea Grant, 72016.
- 2-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.
- 3-SS (beach seine: Nisqually Head):
Sea Grant, 1972.
- 2-B (beach seine: Wildcat Cove):
Sea Grant, 72029.
- 1-S (beach seine: Golden Gardens):
Sea Grant, 72032.
- 2-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 4-S (beach seine: south side of West
Point): Sea Grant, 1973.
- 1-SS (McAllister Creek estuary):
Sea Grant, 1973.
- 3-HC (Skokomish River delta):
Sea Grant, 1973.
- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 2-HC (off Union): Sea Grant, 1973.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.



Pholis schultzi

Pholidae

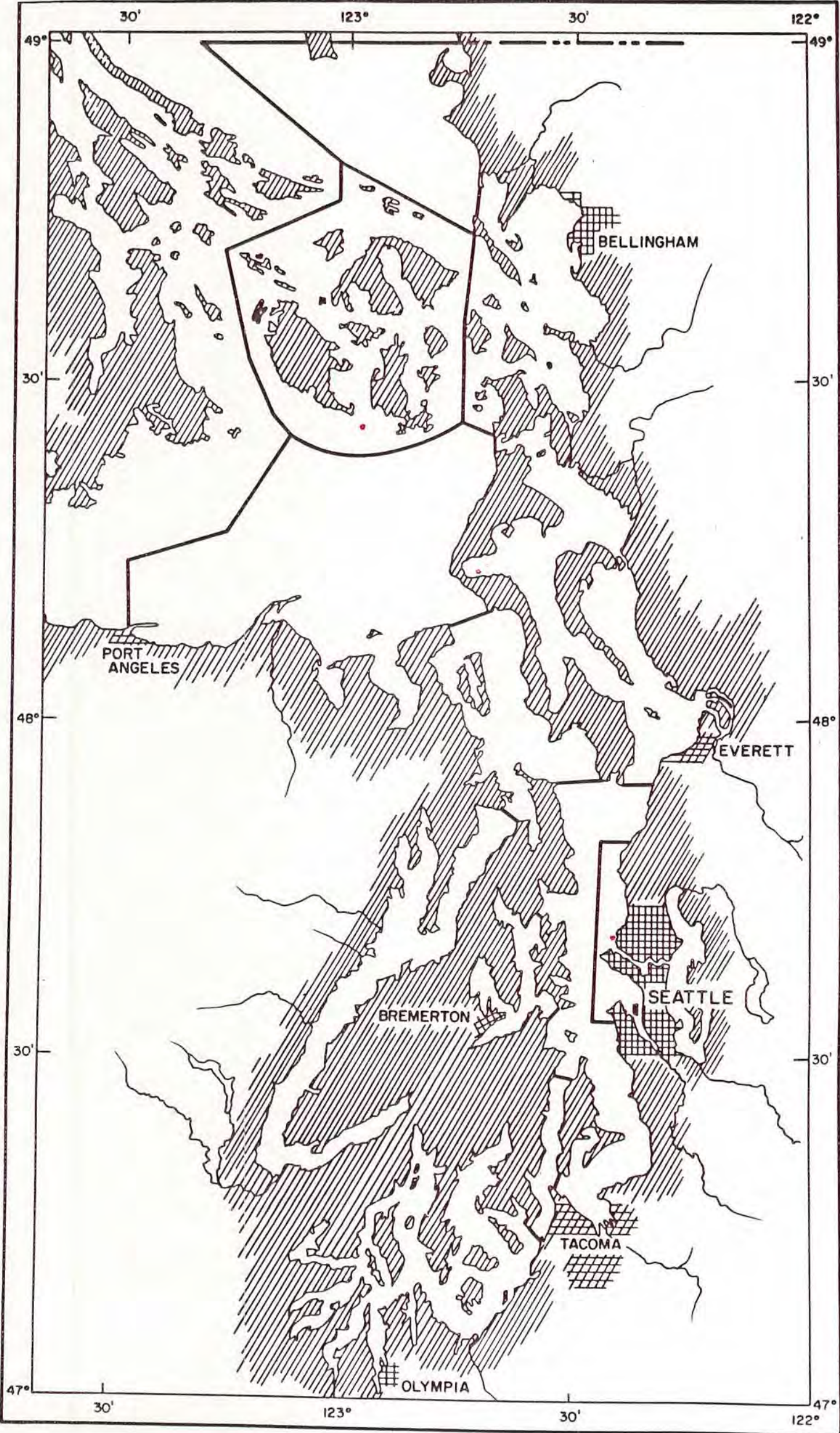
University of Washington
Museum Collection

1-SJ (reef at lighthouse, supposedly
Lime Kiln, San Juan Island):
3080.

1-AI (Admiralty Inlet): 16573.

Friday Harbor Laboratory Log

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



Xererpes fucorum

Pholidae

Published Records

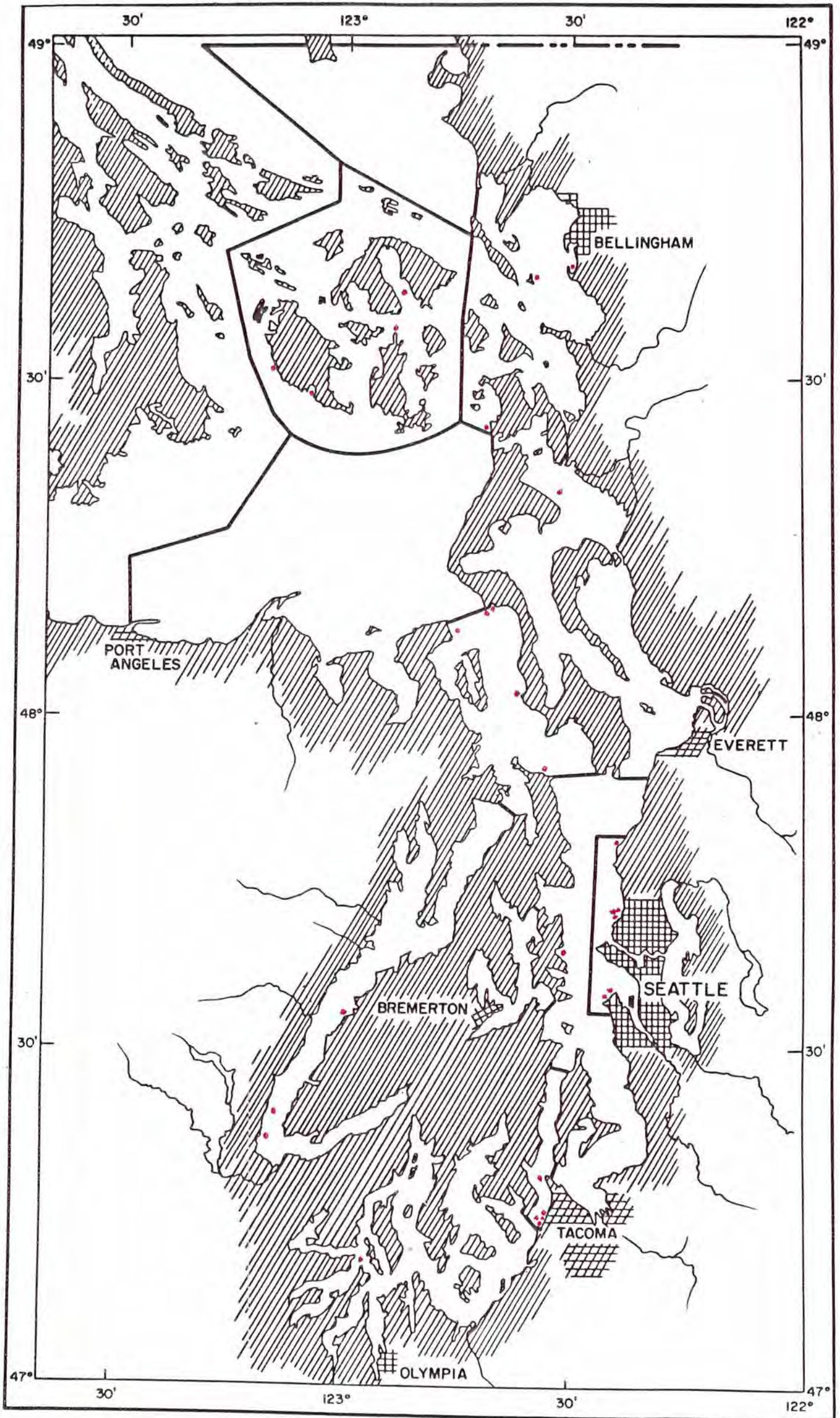
1-PS: Kincaid, 1919.

1-PS:

Jordan and Gilbert, 1881c; 1882.

1-SJ: Schultz and DeLacy, 1935-36.

University of Washington
Museum Collection1-S (beach seine: Golden Gardens):
11388.University of Washington Boat Log1-E (beach seine: Good Beach, Penn
Cove): 5316H.



Anarrhichthys ocellatus

Anarrhichadidae

Published Records

- 1-AI (Port Townsend): Bean, 1884.
 1-PS: Kincaid, 1919.
 1-PS: Schultz, 1930.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-E (Skagit and Similk Bays):
 Stober and Salo, 1970b.
 1-S (Duwamish Head): Salo, 1969.

- 1-B (Eliza Island): NMFS, Cobb-68.
 1-SS (Steamboat Island):
 Dick Geist, personal
 communication, January 1977.

University of Washington
Museum Collection

- 1-PS: 265.
 1-HC (Hoodspoint): 374.
 1-SJ (False Bay): 1330.
 1-HC (near Potlatch): 3222.
 1-SJ (East Sound): 4459.
 1-AI (Hansville): 6229.
 1-CP (Point Defiance): 8549.
 1-AI (Bush Point): 10313.
 1-PS (Whidbey Island): 12671.

Friday Harbor Laboratory Log

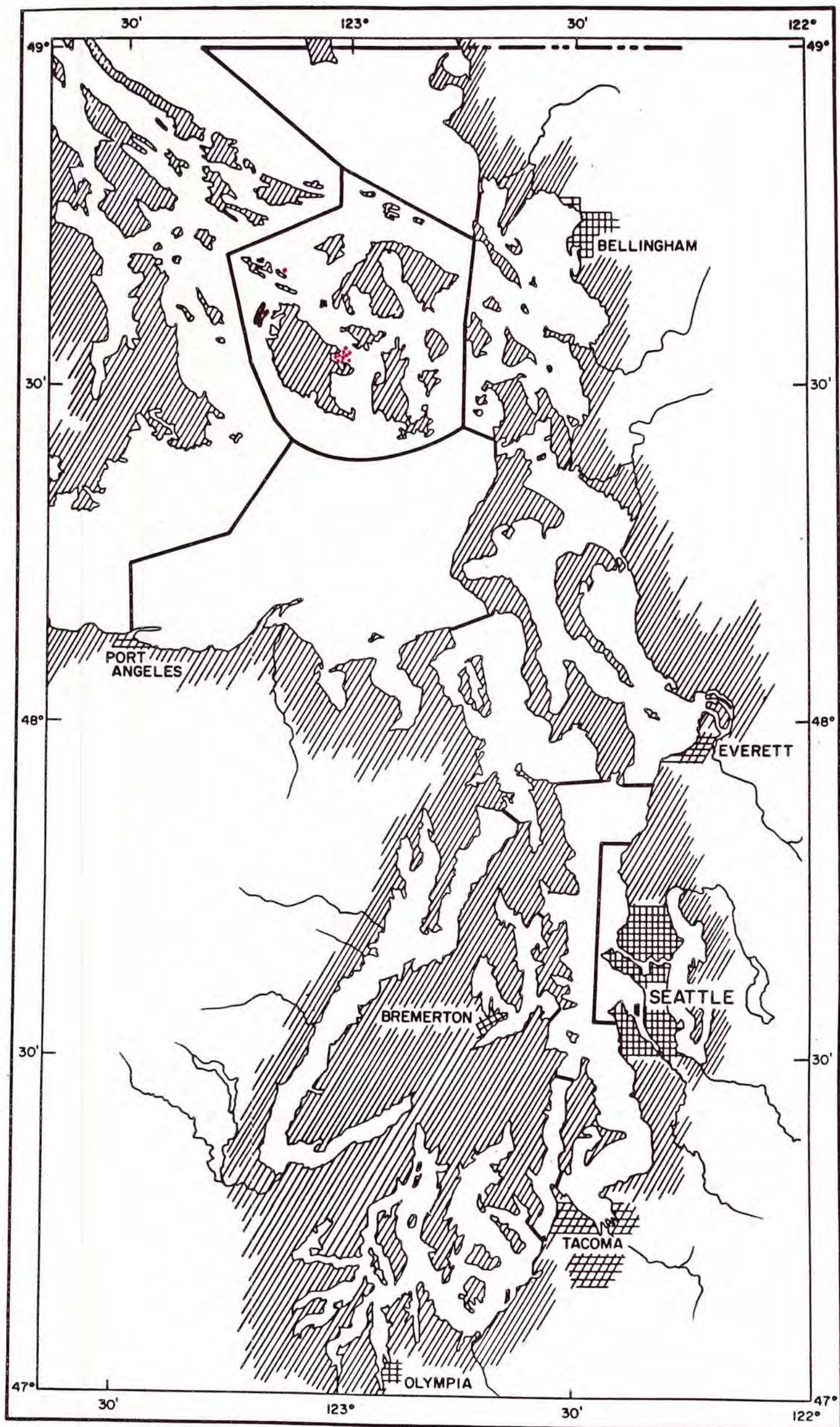
- 1-SJ (Upright Head): 6/28/51-1.

University of Washington Boat Log

- 1-CS (Murden Cove): 6823.

Miscellaneous Logs

- 6-SJ (San Juan Island):
 Bill High, Diving, personal
 communication, 10/22/63.
 1-B (Rosario Head):
 Bill High, Diving, personal
 communication, 10/22/63.
 1-HC: Bill High, Diving, personal
 communication, 10/22/63.
 1-CP (Diving, Tacoma Narrows):
 Bill High, personal
 communication, 10/22/63.
 1-SJ (Diving, south of Lime Kiln):
 Bill High, personal
 communication, 12/30/66.
 1-AI (Diving, Keystone ferry):
 Bill High, personal
 communication, 12/30/66.
 2-CP (Diving, Tacoma Narrows, Day
 Island): Bill High, personal
 communication, 12/30/66.
 1-S (Carkeek Park):
 NMFS, Cobb 69-1.
 1-AI (Diving, Keystone ferry):
 Al Milbun, personal
 communication, 1961.
 1-B (Diving, Pleasant Bay):
 Al Milbun, personal
 communication, 1961.
 1-S (Edmonds ferry):
 Bruce Miller, Diving Log, 5/3/68.
 2-S (Carkeek Park):
 S.L. Ralston, Diving Log, 1971.
 1-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.



Ptilichthys goodei

Ptilichthyidae

Published Records

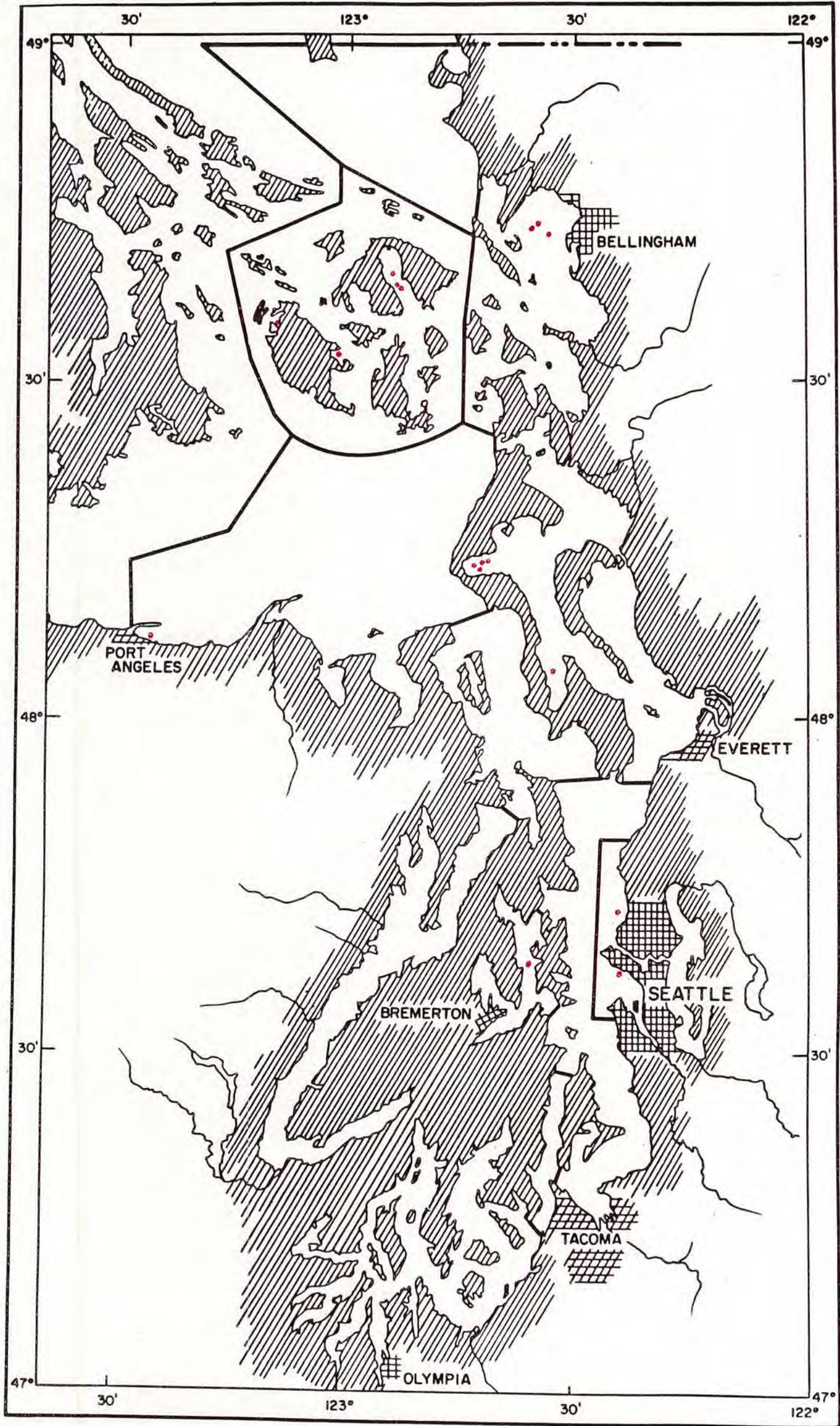
SJ (Friday Harbor):
Schultz, 1930; Chapman and
DeLacy, 1933; Walker, 1953
(duplicated by museum records).

University of Washington
Museum Collection

6-SJ (Friday Harbor):
51; 2105; 3707; 10326; 14004;
13999 (also Friday Harbor Log,
7/31/52 and/or 8/1/52).
1-SJ (north of Johns Island):
14708.

Friday Harbor Laboratory Log

3-SJ (night light, Friday Harbor
lab): 7/50; 1969; 8/72.
5-SJ (Friday Harbor lab):
7/31/52 or 8/1/52; 7/6/52;
7/30/55; 7/63; 7/12/69-2.



Delolepis gigantea

Cryptacanthodidae

Published Records

- 1-JF (Port Angeles beach):
Bean, 1884.
1-S (Seattle):
Jordan and Starks, 1896.

University of Washington
Museum Collection

- 1-E (Coupeville): 101.
1-S (North Beach): 4720.
1-SJ (Puget Sound Marine Station,
Friday Harbor): 10324.

Friday Harbor Laboratory Log

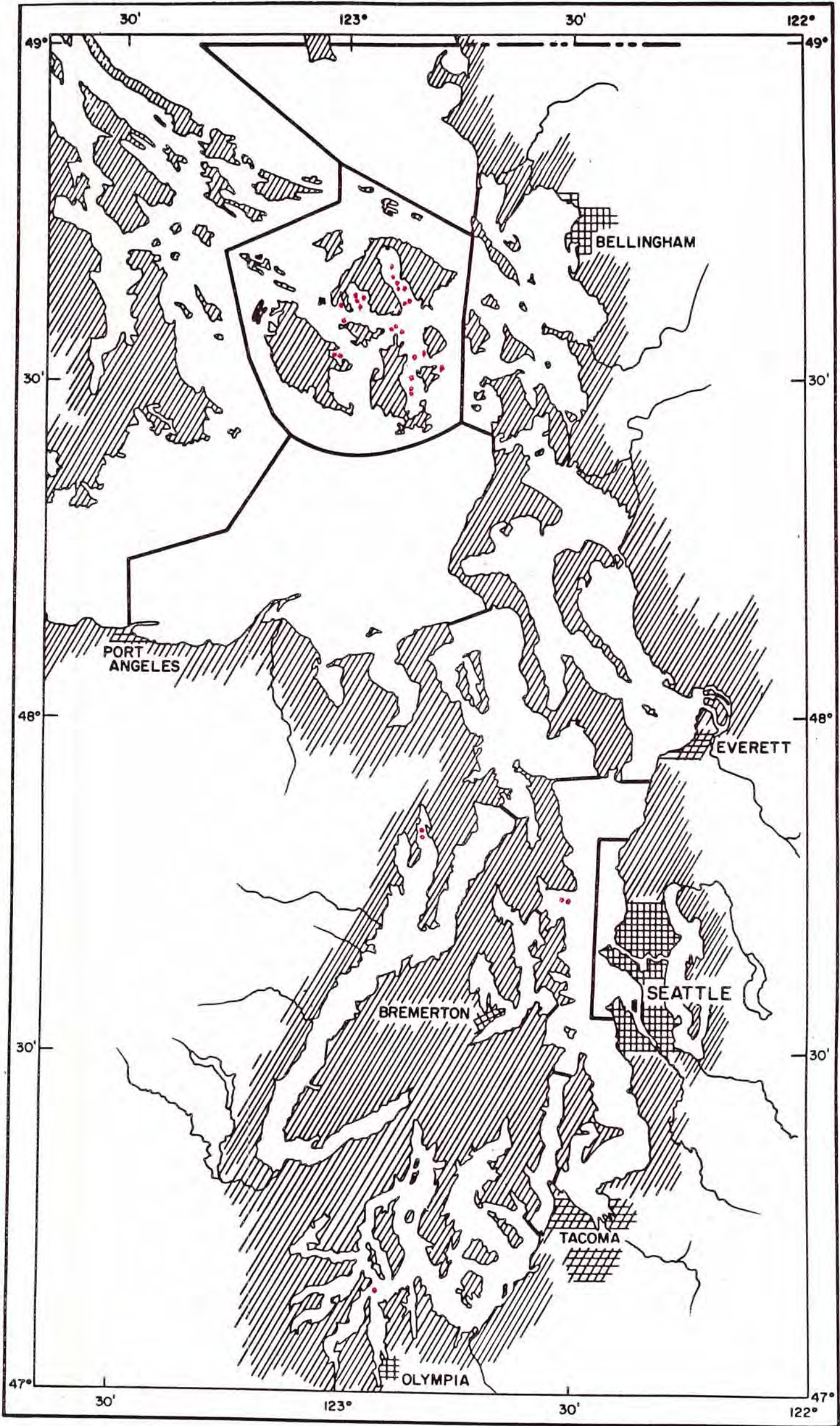
- 2-B (Bellingham Bay):
7/26/51-2; 7/5/52.
1-SJ (Garrison Bay): 7/17/50-4.
1-SJ (East Sound): 8/11/52.

University of Washington Boat Log

- 1-E (Holmes Harbor): 5325C.
2-E (Penn Cove): 5420F; 5522G.
1-E (probably Penn Cove): 5712B.
1-SJ (training cruise area: East
Sound, north of Rosario Point):
6603H.
1-PO (off Fletcher Bay and south):
6707.
1-B (training cruise area: southwest
of Post Point): 7017G.

Micellaneous Logs

- 1-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.



Lyconectes aleutensis

Cryptacanthodidae

Published Records

- 1-HC: Gilbert and Thompson, 1905.
 1-HC: Hubbs, 1928.
 1-SJ: Starks, 1911.
 SJ (Orcas Island): Schultz, 1930
 (duplicated by museum record).
 1-SJ (West Sound): Walker, 1953.

University of Washington
Museum Collection

- 2-SJ (East Sound, off Olga):
 575; 1119.
 1-SJ (Deer Harbor): 810.
 1-PS (Hood Canal to Port Susan):
 2333.
 1-SJ (Wasp Pass.): 2974.
 1-SJ: 3561.
 1-PS: 3624.
 2-SJ (Friday Harbor): 3695; 15520.
 2-SJ (near Orcas Island):
 11365; 1319.
 1-SJ (east of Willow Island):
 14000 (also Friday Harbor Log,
 7/28/52-2).
 1-HC (lower Hood Canal): 19137.
 1-SJ (Upright Head): 16834.
 1-SS (off Olympia, could be trap
 area, mouth of Eld Inlet):
 17598.
 1-CS (Port Madison): 18699 (also
 Van Cleve, trap, 1961-65).
 1-SJ (East Sound, south of Rosario
 Point): 19136.
 1-SJ (East Sound, south of Rosario
 Point): 19455.
 1-SJ (upper Lopez Sound): 19470.

Friday Harbor Laboratory Log

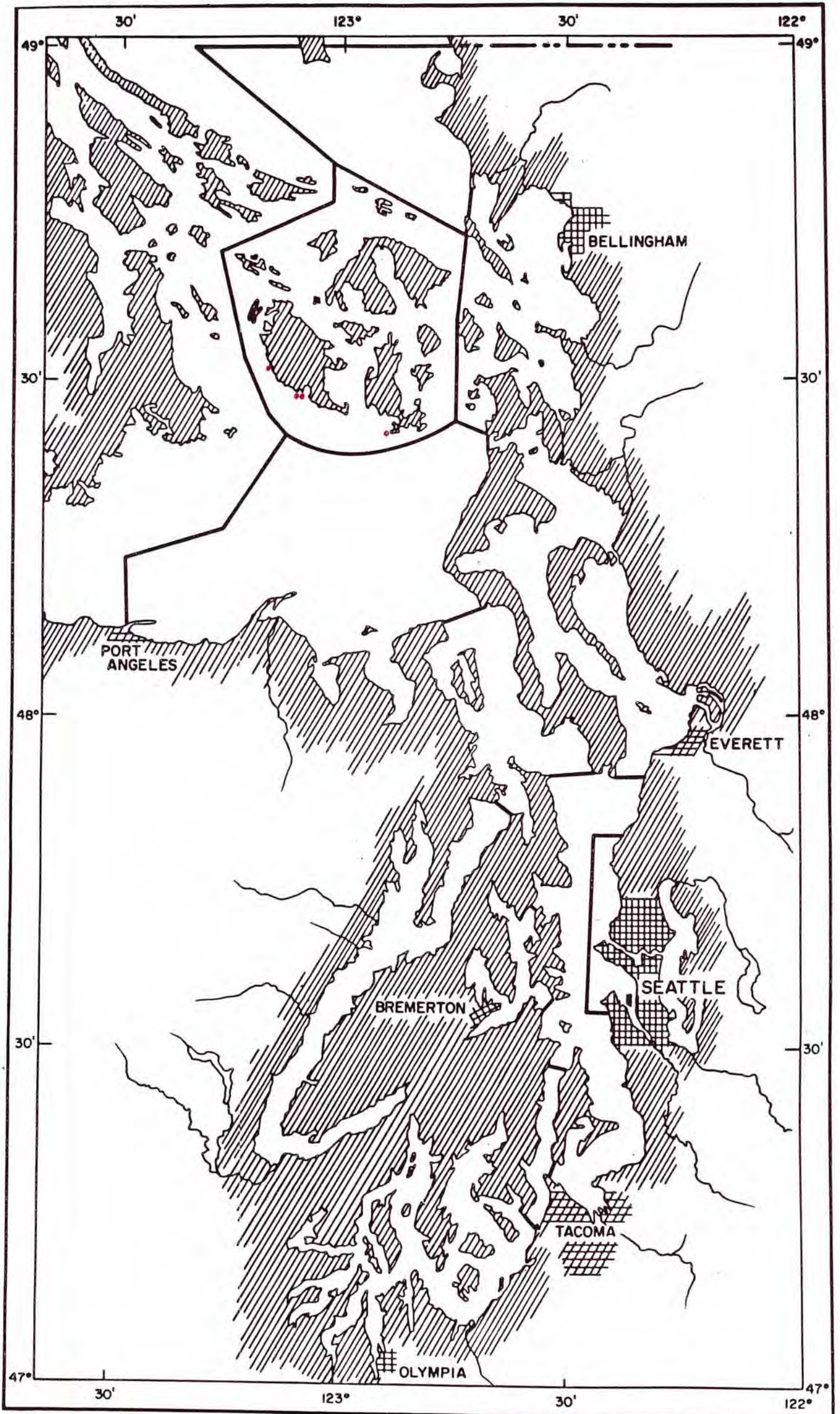
- 3-SJ (West Sound):
 7/6/50; 7/17/50-5; 8/24/60.
 1-SJ (east of Upright Head):
 8/22/55-2.
 1-SJ (Upright Head): 8/3/60.
 1-SJ (Lopez Sound): 8/5/60-2.
 1-SJ (Decatur Head): 7/7/61.
 1-SJ (East Sound): 7/18/61-1.
 1-SJ: 7/15/67.
 1-SJ (mid East Sound): 6/20/69-1.

University of Washington Boat Log

- 2-HC (Dabob Bay, Long Spit to Broad
 Spit): 6804G; 7003B.
 1-SJ (training cruise area, Lopez
 Sound, southwest of Center
 Island): 6603I.

Miscellaneous Logs

- 3-SJ (East Sound, south of Rosario
 Point): NIH, 1964-66.
 1-CS (Port Madison):
 Van Cleve, trap, 1961-65.



Scytalina cerdale

Scytalinidae

Published Records

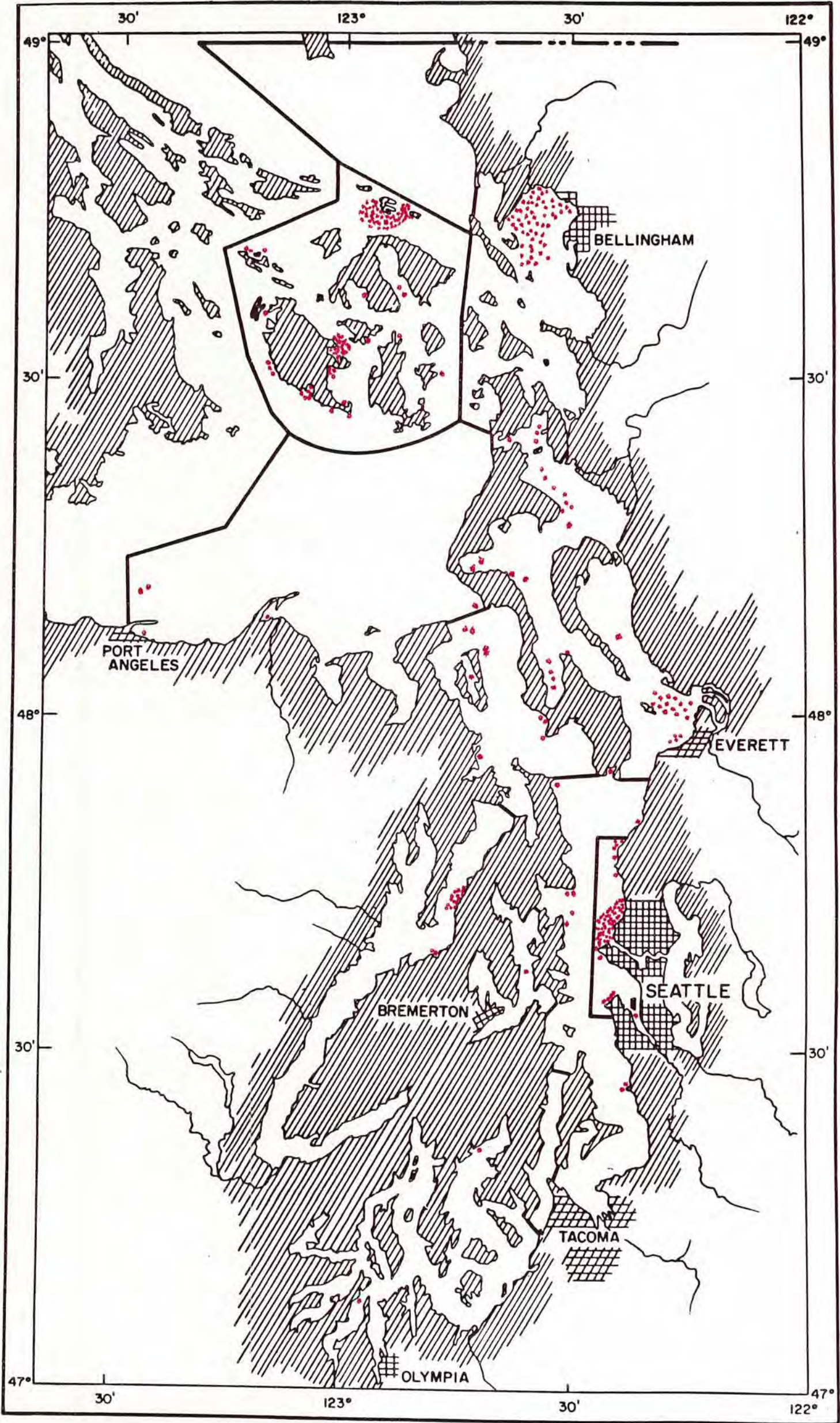
SJ (southwest shore of San Juan
Island): Schultz, 1930
(duplicated by museum records).

University of Washington
Museum Collection

1-SJ (Kanaka Bay): 1150.
1-SJ (Kanaka Bay reef): 1260.
1-SJ (Iceberg Point): 7483.

Friday Harbor Laboratory Log

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



Ammodytes hexapterus

Ammodytidae

Published Records

- 1-JF (beach seine, Port Angeles):
Gilbert, 1895.
1-PS: Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
1-JF (Admiralty Head):
Evermann and Goldsborough, 1907.
1-AI (Kilisut Harbor):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
2-CS (north of Point Pully;
Meadowdale): Smith, 1937.
1-SJ (East Sound): Smith, 1937.
7-E (towntnet: Kiket Island to
Strawberry Point):
Stober and Salo, 1970b.
1-E (otter trawl: Skagit and Similk
Bays): Stober and Salo, 1970b.
1-E (beach seine: Kiket Island):
Stober and Salo, 1970a.
29-B (beach seine: Bellingham Bay,
north of Eliza Island):
Tyler, 1964.
8-B (towntnet, Bellingham Bay, north
of Eliza Island): Tyler, 1964.
2-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
1-B (north end of Bellingham Bay):
Jamison, 1970.

University of Washington
Museum Collection

- 1-S (Pipers Canyon): 141.
1-SJ (Upright Head and Shoal Bay):
676.
1-SJ (East Sound): 691.
2-SJ (False Bay): 1132; 1160.
1-SJ (Kanakan Bay): 1154.
3-SJ (Friday Harbor):
2106; 3704; 11328.
3-PS: 3794; 7553; 11326.
1-S (Magnolia): 4295.
2-S (Edmonds Beach): 4472; 5290.
5-S (North Beach):
4602; 4681; 4809; 4676; 16460.
1-S (beach seine: spit near Ballard
Locks): 4611.
2-S (Edmonds): 4914; 4262.
1-S (Edwards Point to Wells Point):
4984.
1-CS (beach seine: Cultus Bay):
5927 (also boat 5032A).
1-AI (off Double Bluff): 10270.
1-S (Richmond Beach): 5584.
1-S (Meadow Point): 11329.
5-S (Golden Gardens): 6014 (also
boat 5021B); 6012 (also boat
5021E); 8855; 14032; 16754.
3-S (beach seine: Golden Gardens):
11321 (also boat 5116D2); 11323
(also boat 5215A); 14855 (also
boat 5804B).

- 1-CS (Browns Bay): 16463.
2-AI (Admiralty Inlet):
17026; 17027.
1-SJ (Deadman Bay): 17961 (also
Friday Harbor Log, 8/2/63).

Friday Harbor Laboratory Log

- 1-SJ (Jackles Lagoon, Cattle Point):
6/29/51.
3-SJ (north side of Stuart Island):
7/10/50-7,8,9.
1-SJ (American Camp): 7/6/52.
18-SJ (Friday Harbor Lab):
7/30/52; 7/6/52; 7/7/52; 7/8/52;
6/13/52; 7/31/52; 6/14/52;
6/15/52; 6/16/52; 7/29/55;
8/1/52; 8/2/52; 8/4/52; 8/9/52;
7/30/55; 7/50; 8/4/61-2; 6/67.
1-SJ (Friday Harbor): 6/21/55-2.
1-SJ (White Point): 5/25/55-1.
4-SJ (Argyle Bay): 8/16/55-3;
7/5/60; 7/12/61-4; 7/15/63.
1-SJ (James Island): 7/24/50-5.
1-SJ (Squaw Bay): 7/10/61-1.
1-SJ (San Juan Island): 5/62.
1-SJ (Deadman Bay): 6/22/63.
1-SJ (Cattle Point): 6/23/67-1.
3-SJ (False Bay):
7/18/67; 7/1/69-4,7.
1-SJ (night light, Friday Harbor
Lab): 1969.

University of Washington Boat Log

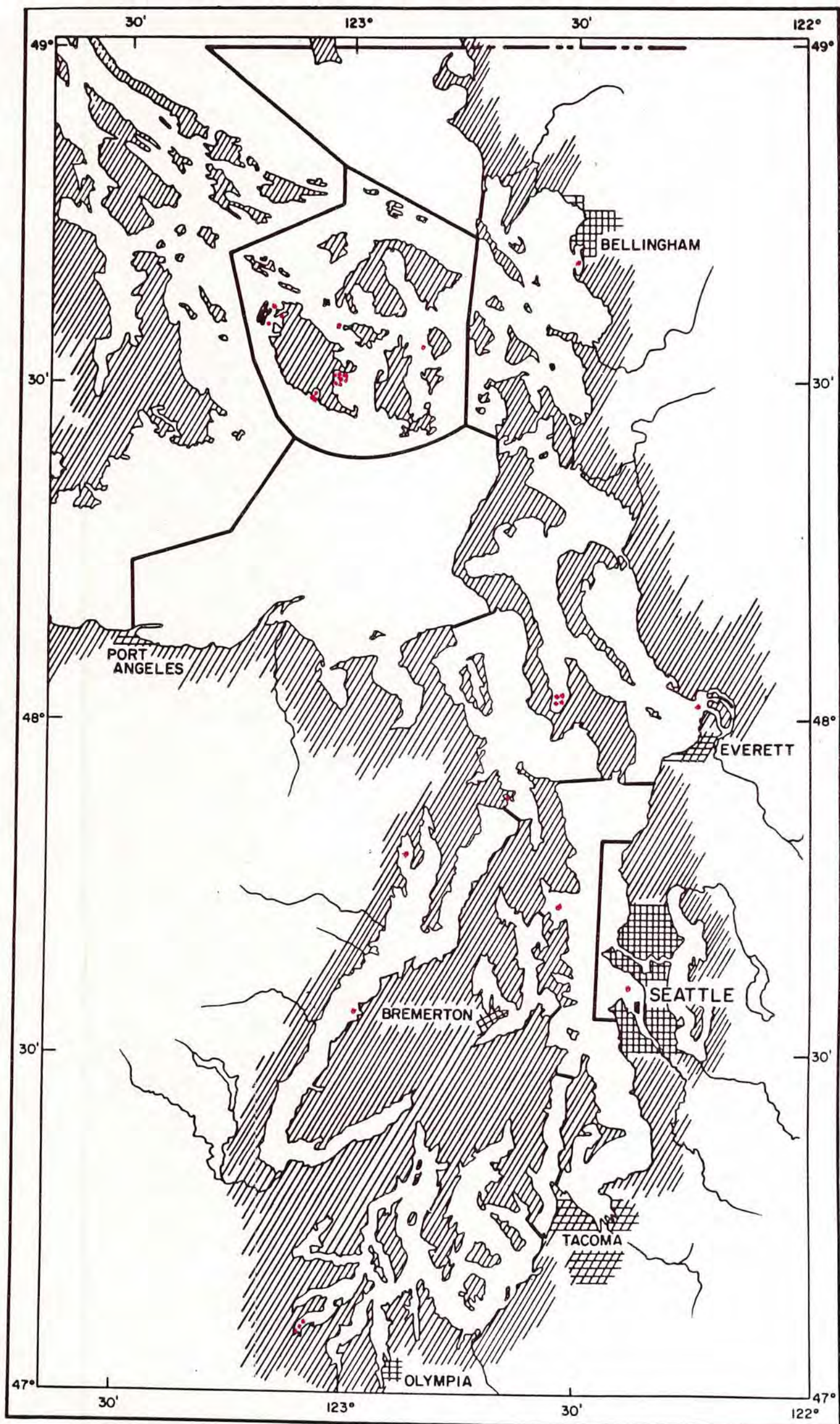
- 1-SS (beach seine: 1 mile north of
Minter Creek): 5126E.
1-E (beach seine: Penn Cove at Good
Beach): 5316G.
1-SS (trap: Eld Inlet entrance):
6219-1.
1-E (training cruise area: off
Strawberry Point): 6717F.
1-E (night light, Whidbey Island,
near East Point): 7213.
1-E (Saratoga Pass., Snatelum Point
to Onamac Point): 7307.
2-AI (training cruise area: east of
north Marrowstone Island):
6603J; 6614J.
1-PO (night light, in Manzanita
Bay): 5518.
22-S (beach seine: Golden Gardens to
Meadow Point): 5119E; 5215G,K;
5404A; 5411B,C; 5415A,D,G,K;
5505A,E; 5508A; 5513A; 5514A,B;
6115A,B; 2-6309; 6310; 6509.
1-S (Golden Gardens): 6511D.
2-S (beach seine: Carkeek Park):
5221B; 5708B.
4-S (beach seine: Alki Point to
Duwamish Head): 6619A,D,H,V.
1-E (Holmes Harbor): 7110D-2.

Ammodytes hexapterus

Ammodytidae

Miscellaneous Logs

- 10+-E (east of Gedney Island):
R. Tyler, personal communication,
6/3/63.
- 50+-E (salmon bait fishery):
Frank Haw, personal
communication, 6/4/63.
- 50+-AI (salmon bait fishery):
Frank Haw, personal
communication, 6/4/63.
- 20-B (Bellingham Bay):
FRI, Tyler Data Sheets, 1965.
- 2-S (beach seine: Duwamish River):
Metro, 1963-70.
- 4-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 49-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
- 2-E (Port Gardner Bay; Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 1-CS (Skiff Point to Point
Jefferson): J.W. Ocean., herring
trawl, 1968-69.
- 1-PO (south of Fletcher Bay): U.W.
Ocean., herring trawl, 1968-69.
- 1-CS (south of Point No Point):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
- 50+-SJ (Sucia Island):
Allyn Johnson, personal
communication, 1972.
- 5-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
- 1-E (Saratoga Pass., west side just
south of Penn Cove):
Van Cleve, trap, 1961-65.
- 3-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Dungeness embay-
ment): Peninsula College, 1971.
- 1-SJ (Friday Harbor): Bruce Miller,
Diving Log, 9/10/65.
- 1-SJ (Edwards Reef, west-central San
Juan Island): Bruce Miller,
Diving Log, 8/16/66.
- 1-S (Golden Gardens):
S.L. Ralston, Diving Log, 1971.
- 1-E (Bowman Bay):
S.L. Ralston, Diving Log, 1971.
- 2-AI (beach seine: Mutiny Bay):
Sea Grant, 1972.
- 1-CS (hand net, 1 mile south of Fay
Bainbridge State Park):
A.C. DeLacy, personal
communication, 7/10/72.
- 1-HC (beach seine: Big Beef Creek,
above and below bridge):
Sea Grant, 72028.
- 1-E (Strawberry Point):
Jim Blackburn, personal
communication, 1973.
- 5-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 1-HC (beach seine: Big Beef Creek,
above bridge): Sea Grant, 1973.
- 10+-HC (schools, bay south of Bangor
wharf): Sea Grant, 73038.
- 2-JF (mid-channel, north of Ediz
Hook): NMFS, Cobb-25.



Clevelandia ios

Gobiidae

Published Records

- 1-S (Elliott Bay):
 Jordan and Starks, 1896.
 1-HC: Kincaid, 1919.
 1-HC: Schultz and DeLacy, 1935-36.
 1-SJ: Shelford et al., 1935.
 1-SS (Oyster Bay): Carter, 1965.
 1-HC (Quilcene Bay): Carter, 1965.
 1-HC (Anderson Cove): Chew, 1970.

University of Washington
Museum Collection

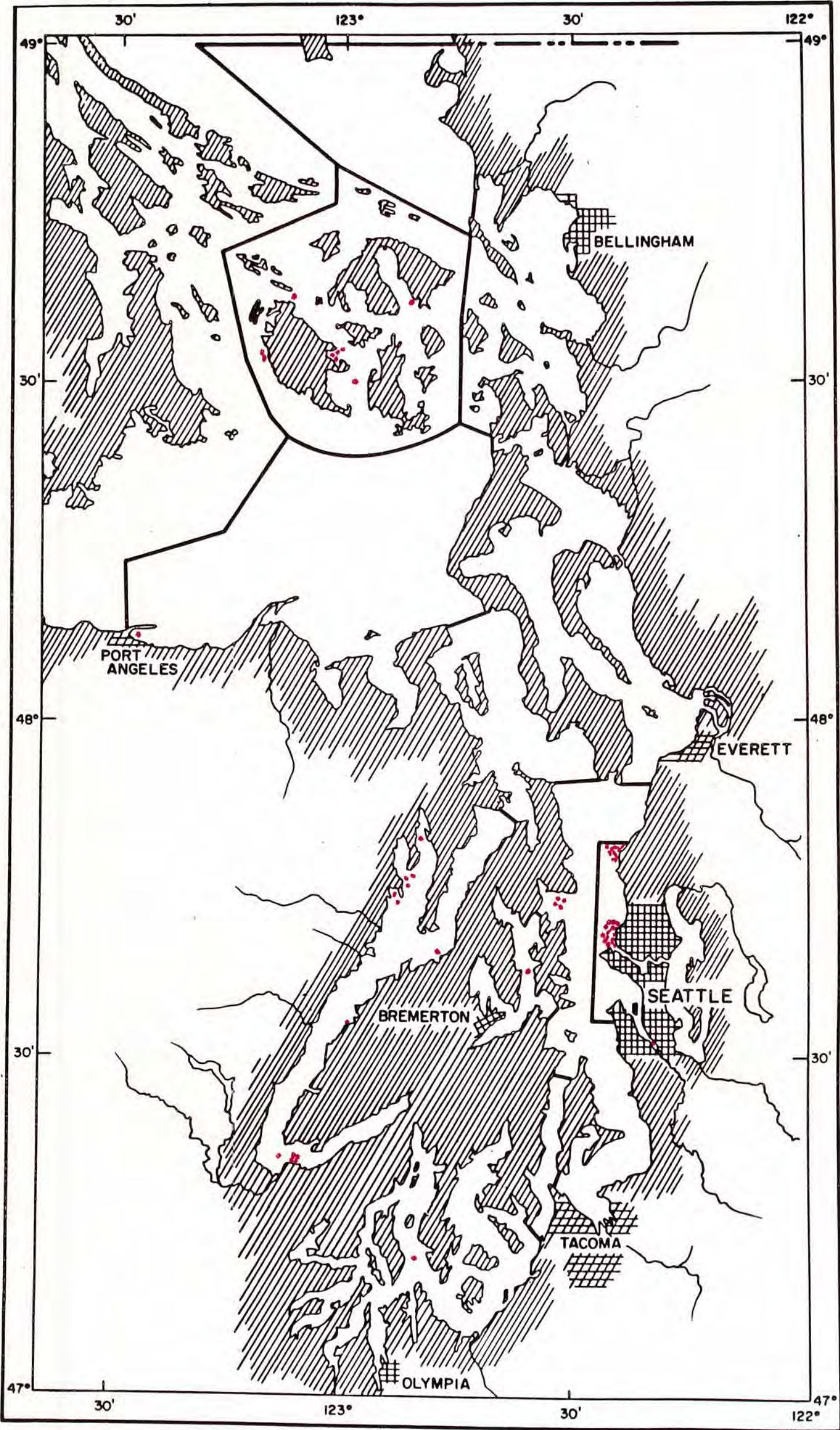
- 1-SJ (Blakely Island): 1113.
 1-SJ (Roche Harbor): 1322.
 1-SJ (Neck Point): 1491.
 1-SJ (Argyle): 2124.
 1-AI (Bywater Bay): 4507.
 1-CS (Port Madison Bay): 14691.
 1-SS (Oyster Bay): 16435.
 1-B (Chuckanut Bay): 18286.
 1-E (Snohomish River tide flats):
 13883.
 1-SS (Oyster Bay, Gallaghers Cove):
 19463.

Friday Harbor Laboratory Log

- 6-SJ (Argyle Lagoon):
 7/17/50-3; 7/11/60-1; 7/15/60-3;
 7/31/60; 8/11/60-1; 7/12/61-2.
 3-SJ (False Bay):
 7/14/60; 6/21/67-1; 7/1/69-16.
 1-SJ (Westcott Bay): 8/16/60-2.
 3-SJ (Argyle Bay):
 6/23/61; 7/18/61-2; 8/3/61.
 1-SJ (Mosquito Pass.): 7/17/61-1.

Miscellaneous Logs

- 4-E (Holmes Harbor):
 Van Cleve, trap, 1961-65.



Coryphopterus nicholsi

Gobiidae

Published Records

- 1-SJ (San Juan Channel):
Wismer and Swanson, 1935.
1-SJ: Kincaid, 1919.

University of Washington
Museum Collection

- 1-HC (Holly): 1562.
1-S (Duwamish River, near Boeing
No. 1): 4754.
2-HC (Seal Rock): 4859; 16436.
1-S (off Golden Gardens):
5986 (also boat 495D).
1-HC (probably north end): 13879.
1-PS: 13902.
1-HC (Dabob Bay, Point Whitney):
14686.
1-PO (south of Battle Point):
14697.
1-SJ (Brown Island): 16704.
1-SJ (west side of Brown Island):
17956 (also Friday Harbor Log,
6/15/63).

Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor): 8/17/60.

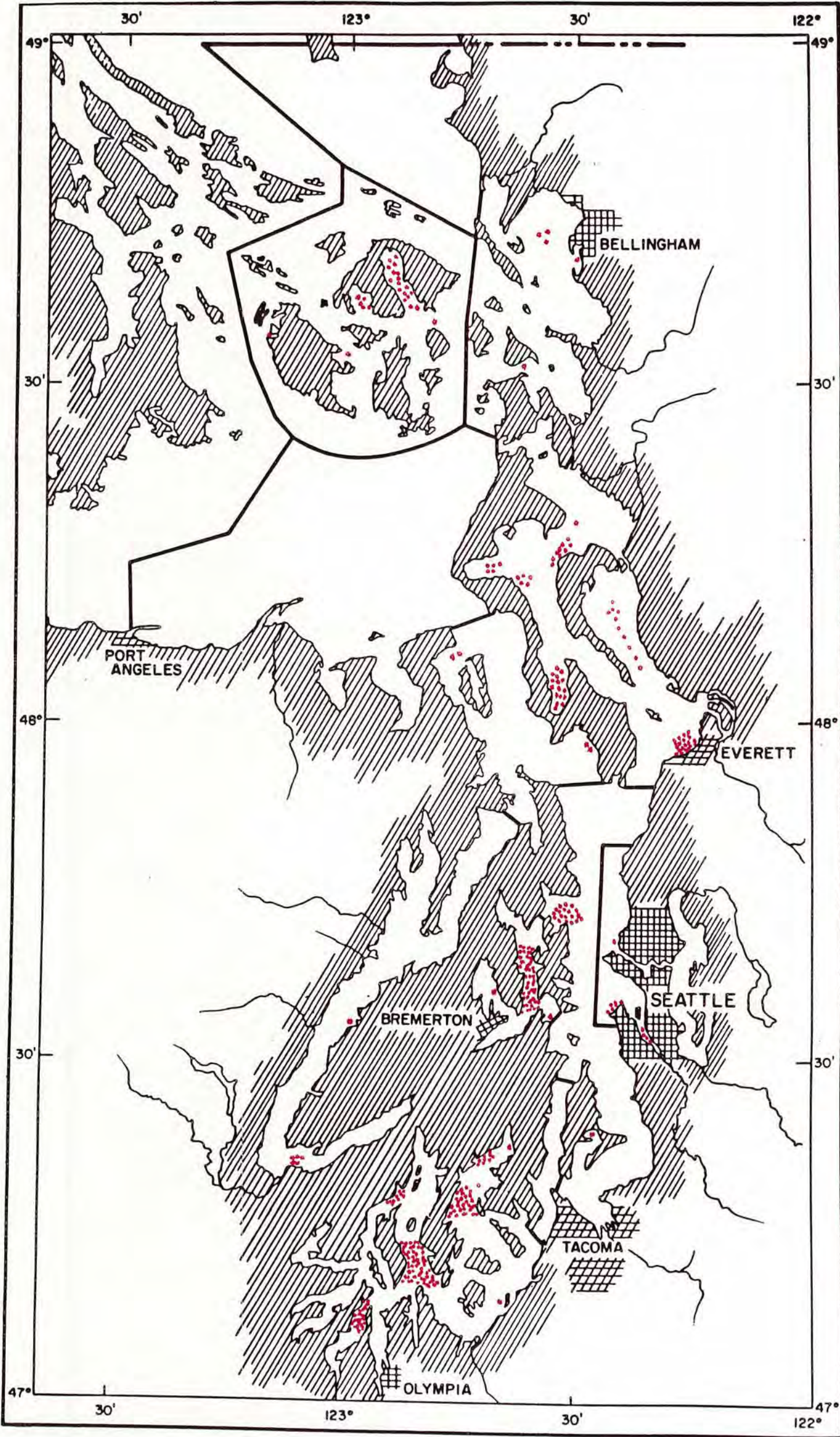
University of Washington Boat Log

- 1-S (beach seine: Golden Gardens):
5116F.
1-S (off Golden Gardens): 5127C.
1-CS (trap: Port Madison): 6213.
1-HC (Dabob Bay, Broad Spit to Long
Spit): 6629G.

Miscellaneous Logs

- 2-SJ (San Juan County Park):
Bill High, personal
communication, 12/30/66.
10+-S (Golden Gardens): Bill High,
personal communication, 12/30/66.
10+-S (Edmonds): Bill High,
personal communication, 12/30/66.
2-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
2-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
1-HC (Big Beef Harbor): NIH, 69042.
4-HC (off Union):
Sea Grant, 1973-74.
1-HC (off Skokomish River delta):
Sea Grant, 1973.
2-HC (Point Whitney): Alvin Seda,
personal communication, 1955.
1-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
1-CS (Port Madison):
Van Cleve, trap, 1961-65.
1-S (off Edmonds):
Van Cleve, trap, 1961-65.

- 1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
1-SJ (Brown Island):
Bruce Miller, Diving Log, 6/63.
1-S (Edmonds ferry): Bruce Miller,
Diving Log, 10/11/64.
1-SJ (Limestone Point): Bruce
Miller, Diving Log, 7/23/66.
1-SJ (southeast shore of East
Sound): Bruce Miller, Diving
Log, 8/18/66.



Lepidogobius lepidus

Gobiidae

Published Records

- 1-PO (Orchard Point):
Jordan and Starks, 1896.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
1-AI (Useless Bay):
Schultz and DeLacy, 1935-36.
4-S (Duwamish River estuary):
Salo, 1969.
1-S (Duwamish Head): Salo, 1969.
2-E (Port Gardner Bay): Salo, 1969.
1-E (Skagit Bay): Salo, 1969.

University of Washington
Museum Collection

- 1-B (Boat Harbor, Guemes Island):
1313.
2-SJ (West Sound): 2232; 2970.
3-SJ (East Sound):
2289; 13888 (also Friday Harbor
Log, 8/11/52); 19457.
1-AI (Useless Bay): 2875.
1-SJ (north part of East Sound):
5756.
2-PO (off Fletcher Bay):
16531 (also boat 6205D3); 16808
(also boat 62011).
1-B (Chuckanut Bay): 18287.
1-SJ (Peavine Pass.): 2977.
1-SJ (off Brown Island): 2994.
1-SJ (East Sound, south of Rosario
Point):
19556 (also NIH, 1964-66).

Friday Harbor Laboratory Log

- 4-SJ (East Sound): 7/17/50-2;
8/11/52; 7/26/60-1; 6/20/61.
2-SJ (lower East Sound):
8/22/55-5,6.
1-SJ (West Sound): 6/26/61.
2-SJ (mid East Sound):
8/22/55-7; 6/20/69-1.
1-SJ (Mitchell Bay): 7/17/61-2.

University of Washington Boat Log

- 1-SJ (West Sound): 5033L.
1-E (Holmes Harbor): 5325B.
1-E (off Snetelium Point): 5418H.
1-E (trap: Holmes Harbor): 6117B.
4-PO (trap: off Fletcher Bay):
6204A; 6203B,C,D.
1-PO (beach seine: 1 mile north of
Illahee dock): 6205A3.2.
1-CS (head of Quartermaster Harbor):
5042B.
8-SS (off Minter Creek to Elgin):
7/19/49-1; 5037H; 5045G,J; 5046C;
5126D,F; 5135A.
1-SS (west of Ketron Island):
5126G.
1-SS (Carr Inlet, off Wauna):
5126L.

- 2-SS (Carr Inlet, off Glenn Cove to
off Raft and Cutts Islands):
5126M; 5037C.
5-SS (trap: Eld Inlet entrance):
6208B; 6217-2,3; 6219-1,2.

Miscellaneous Logs

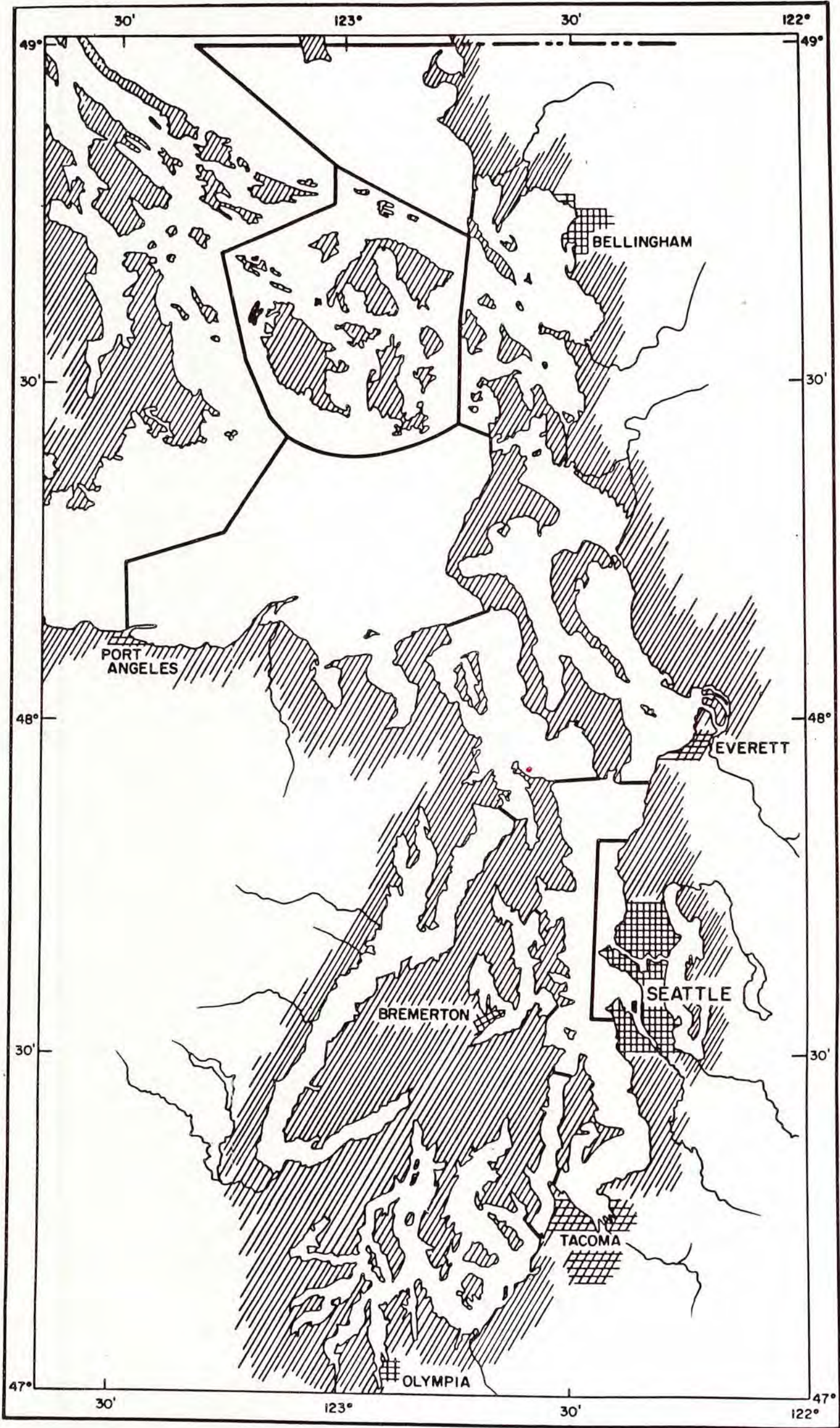
- 5-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
14-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
50+-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
1-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
50+-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
42+-SS (Case Inlet, off Taylor Bay
to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
16+-SS (off Horsehead Bay):
U.W. Ocean., Hoh, 1963-67.
2-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
9-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
2-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
8-E (off Rocky Point to off Utsalady
Point):
U.W. Ocean., Hoh, 1963-67.
2-E (Saratoga Pass., Rocky Point):
U.W. Ocean., Hoh, 1963-67.
5-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
2-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.
3-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
1-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
4-SJ (East Sound, south of Rosairio
Point): NIH, 1964-66.
1-SJ (East Sound): NIH, 1968-71.
26-CS (Port Madison):
Van Cleve, trap, 1961-65.
21-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
39-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
8-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
4-E (Saratoga Pass, west side just
south of Penn Cove):
Van Cleve, trap, 1961-65.
2-SS (Carr Inlet):
Van Cleve, trap, 1961-65.
2-B (Bellingham Bay, off Nooksack
flats): Sea Grant, 72035.
1-PO (off south of Fletcher Bay):
Sea Grant, 73008.
1-B (Bellingham Bay, off Nooksack
flats): Sea Grant, 73032.

Lepidogobius lepidus

Gobiidae

Miscellaneous Logs

- 1-SS (west side of Dougall Point):
Sea Grant, 1973.
- 8-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973-74.
- 2-HC (off Union): Sea Grant, 1973.
- 3-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 2-PO (south of Fletcher Bay): U.W.
Ocean., herring trawl, 1968-69.
- 1-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 3-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 3-SS (north end of Pickering Pass.):
Van Cleve, trap, 1961-65.
- 1-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.

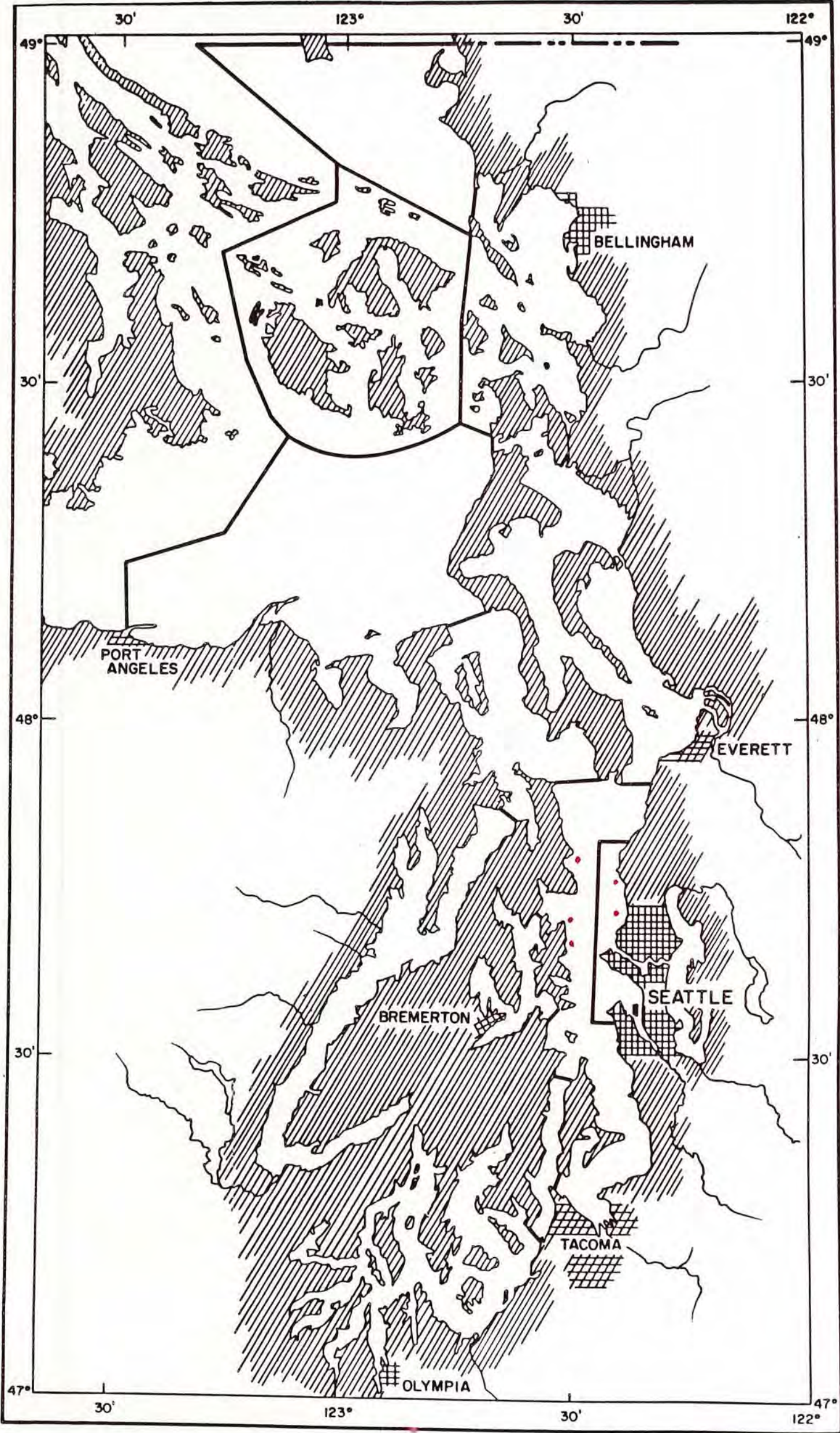


Benthodesmus simonyi

Trichiuridae

University of Washington
Museum Collection

1-AI (Skunk Bay): 10102.



Sarda chiliensis

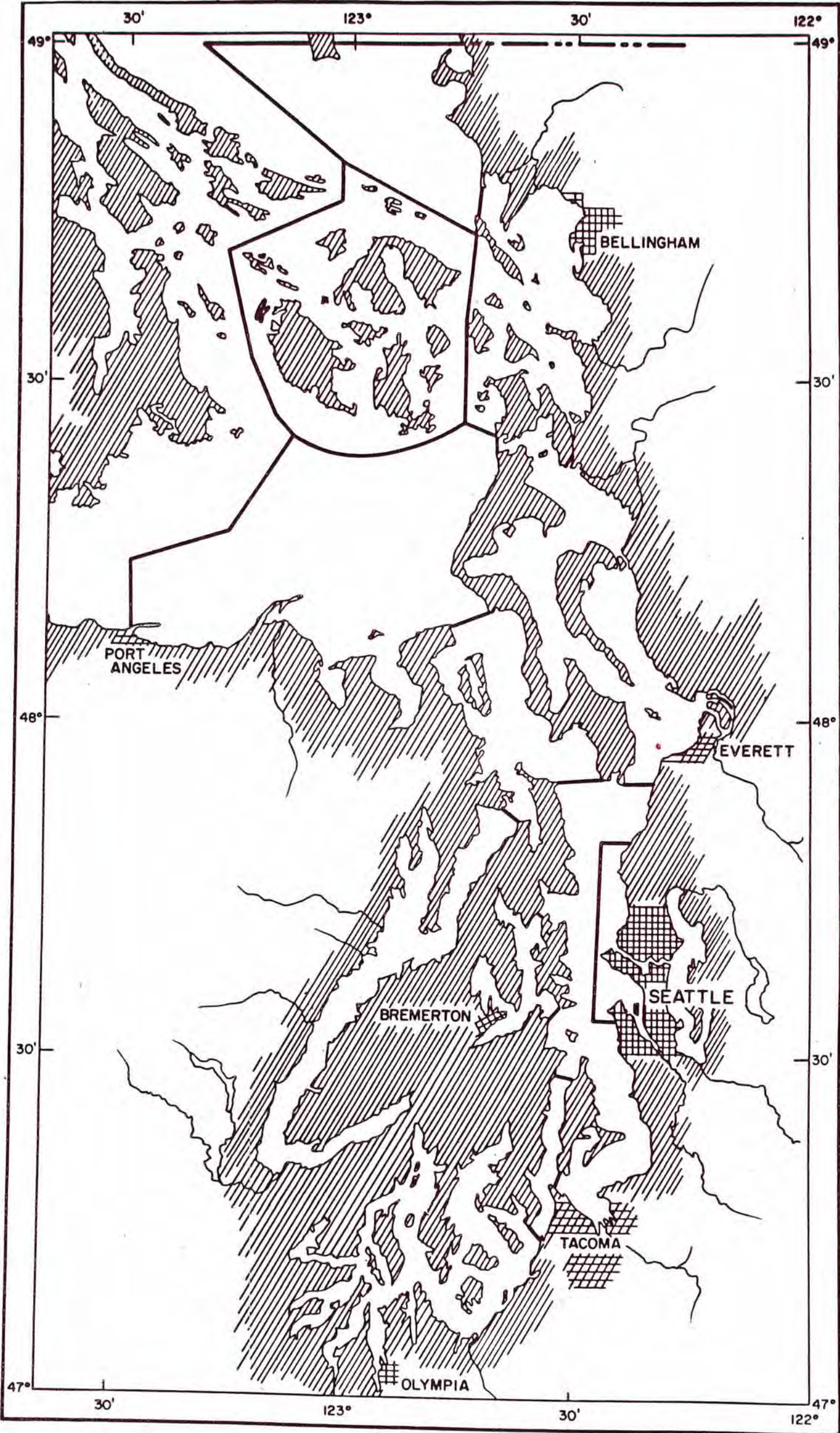
Scombridae

Published Records

- 1-PS: Kincaid, 1919.
1-CS (Rolling Bay): Fisherman's
News, 1963a (also museum 16529).
1-S (Richmond Beach):
Fisherman's News, 1963a.
1-S (Seattle):
Fisherman's News, 1963c.
1-CS (Point Monroe):
Patten, Rodman, and Waldron, 1965
(supposedly also museum 18499).

Miscellaneous Logs

- 1-CS (off Kingston): Ron Bulis,
personal communication, 10/17/72.



Scomber japonicus

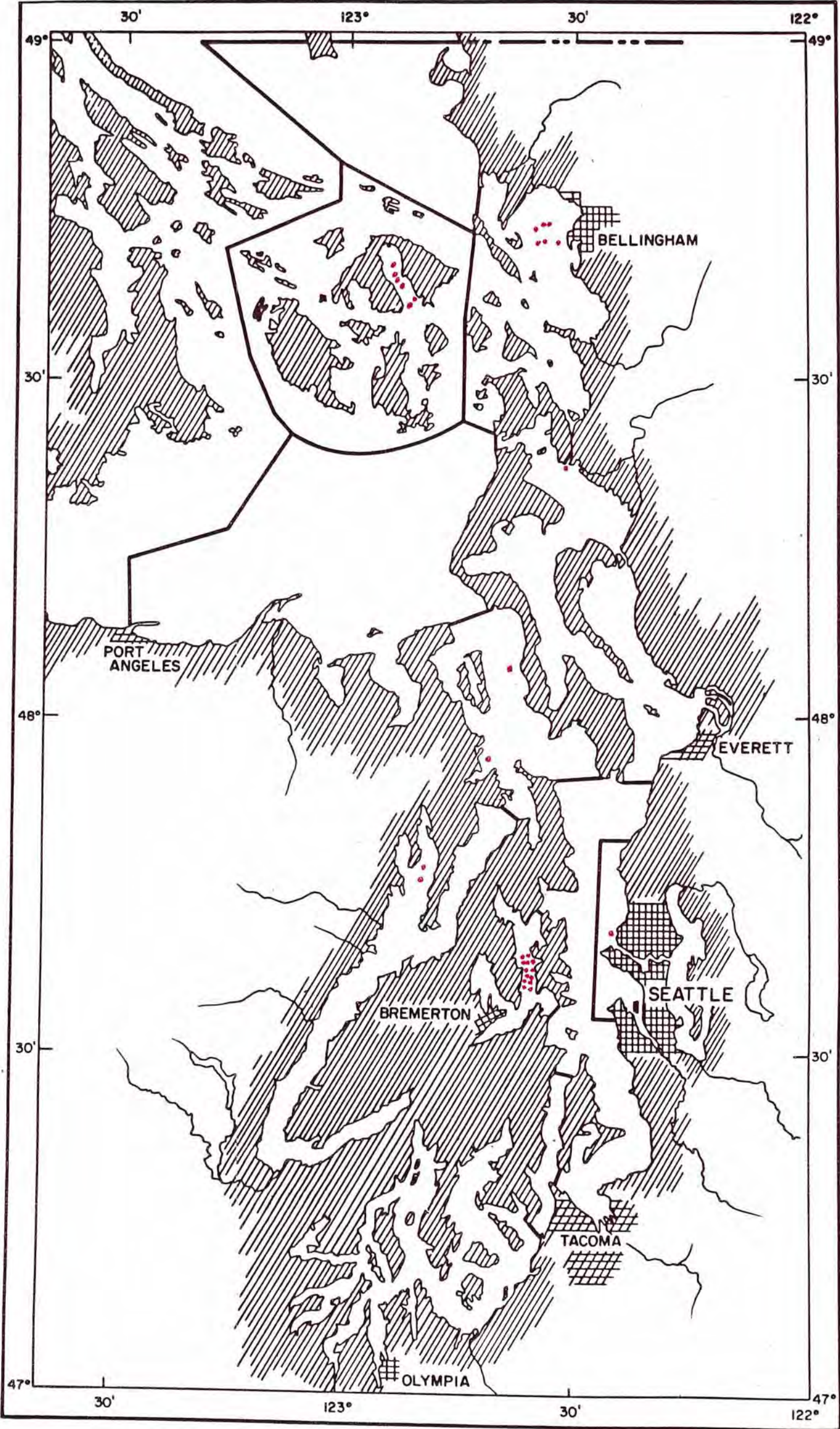
Scombridae

Published Records

1-PS: Kincaid, 1919.

1-E (Everett area):

Fisherman's News, 1963b.



Peprilus simillimus

Stromateidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
 1-PS: Jordan and Gilbert, 1881c.
 1-PS: Kincaid, 1919.
 PS (records from several areas):
 Batts, 1960 (duplicated by
 museum records).

University of Washington
Museum Collection

- 1-E (La Conner fish trap): 14572.
 1-B (Bellingham): 13405.
 5-PO (off Fletcher Bay):
 14655 (also boat 5932B); 14656
 (also boat 5931B); 14700 (also
 boat 6008A); 15974 (also boat
 6201); 17113 (also boat 6406C).
 1-PO (probably off Fletcher Bay):
 14699 (also boat 6007A).
 1-PO (between "B2" and "B1"):
 15121.
 1-SJ (east shore of East Sound):
 16755.
 1-SJ (East Sound entrance):
 17952 (also Friday Harbor Log,
 8/26/63).
 1-SJ (East Sound, off Rosario):
 18210 (also Friday Harbor Log,
 9/10/63).
 1-AI (Lagoon Point): 14621.
 1-HC (Dabob Bay):
 200565 (also boat 7102J or I).

Friday Harbor Laboratory Log

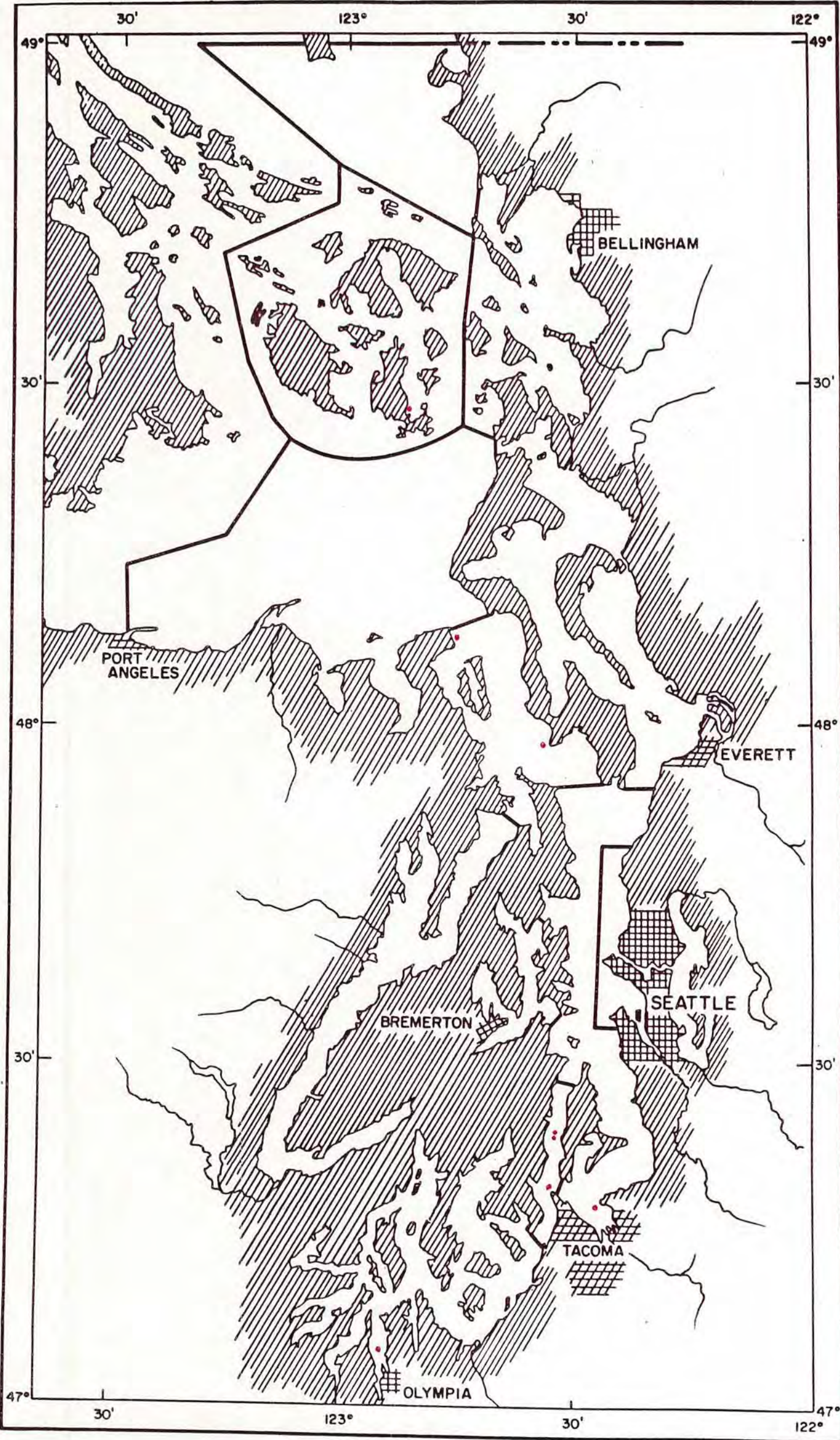
- 1-SJ (mid East Sound): 2/21/64.

University of Washington Boat Log

- 2-PO (probably off Fletcher Bay):
 6012A; 7104-1.
 5-PO (off Fletcher Bay):
 6016B1,B5; 6100; 6101B; 6403AF.
 1-PO (between "B-2" and "B-1"):
 6017G.
 1-S (off Golden Gardens): 6311A.
 1-SJ (training cruise area: East
 Sound, north of Rosario Point):
 6815H.
 1-B (training cruise area:
 Bellingham Bay, southwest of Post
 Point): 73073.
 1-HC (Dabob Bay): 7102B.

Miscellaneous Logs

- 4-B (Bellingham Bay): Bill High,
 personal communication, 12/9/63.
 1-PO (Narrows, south of Fletcher
 Bay): NMFS, Cobb-68.
 1-SJ (East Sound, south of Rosario
 Point): NIH, 1964-66.



Ichosteus aenigmaticus

Ichosteidae

Published Records

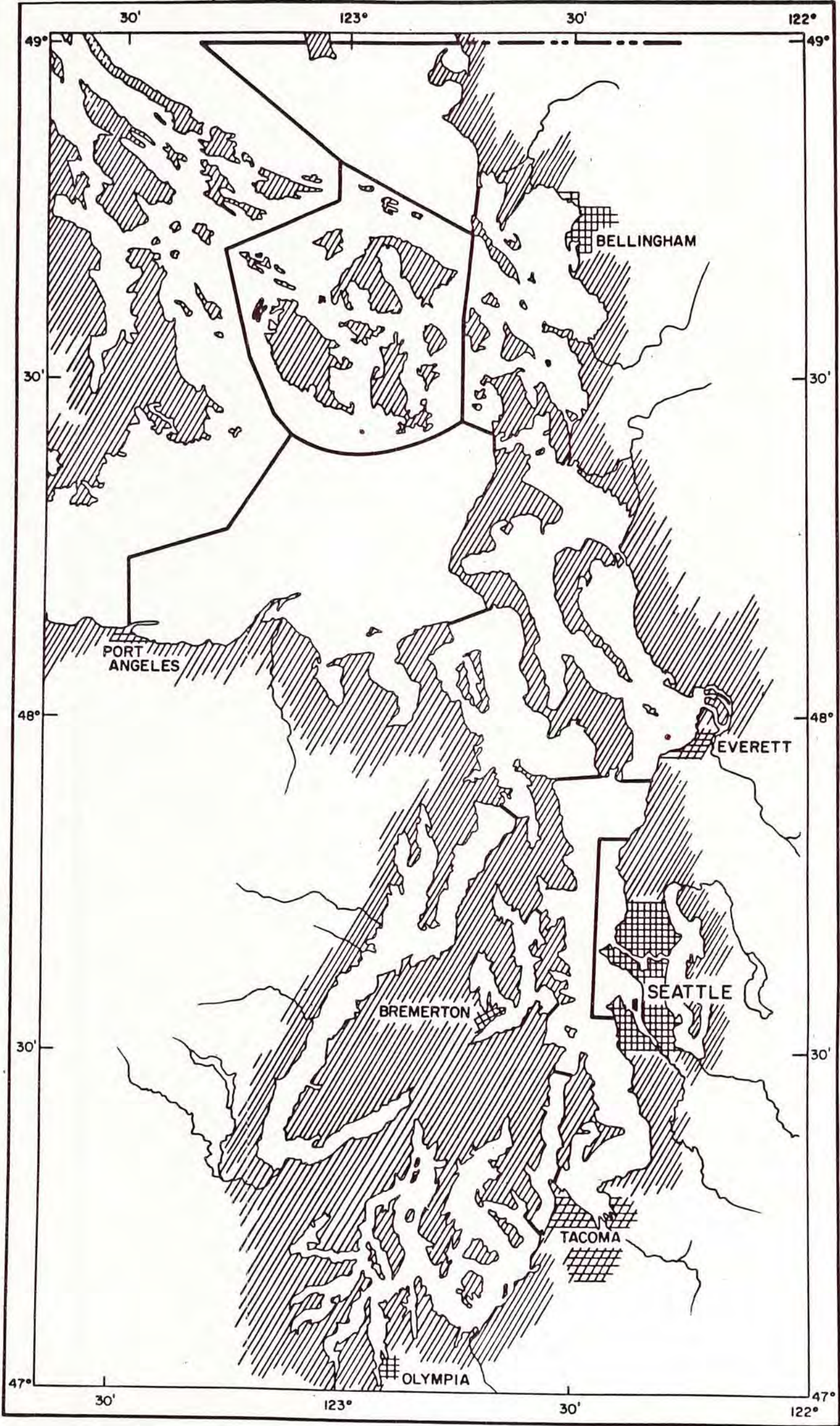
- 1-AI (found on beach near Port Townsend): Bean, 1899.
- 1-PS: Kincaid, 1919.
- 1-CP (Gig Harbor): Crawford, 1927.
- 1-SS (Olympia):
Schultz et al., 1932.

University of Washington
Museum Collection

- 1-AI (fish trap, north side of Double Bluff): 1630.
- 1-SJ (San Juan Island): 3221.
- 1-CP (west side of Vashon Island):
19637 (may be the same as the
miscellaneous Don Smith record).

Miscellaneous Records

- 1-CP (Colvos Pass, west side of Vashon Island):
Don Smith, personal
communication, 11/27-30/66.
- 1-SJ (Hunters Bay): Fred Fischer,
personal communication, 8/17/55.
- 1-CS (Commencement Bay):
John Slipp, personal communication, 6/5/74 (fish caught about
15 years prior).
- 1-CP (Point Defiance):
John Slipp, personal communication, 6/5/74 (fish caught about
15 years prior).



Sebastes aleutianus

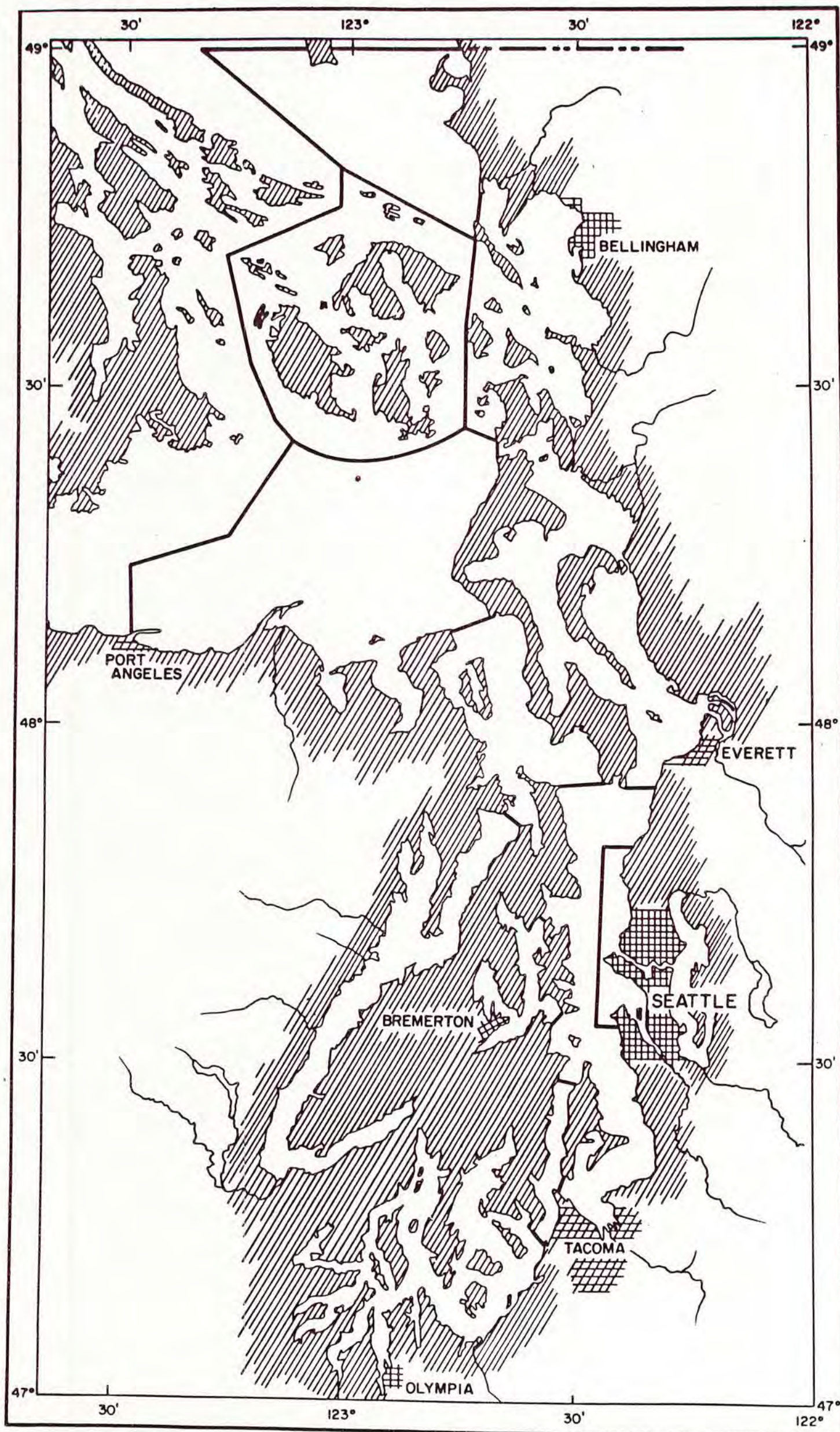
Scorpaenidae

Published Records

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

University of Washington
Museum Collection

- 1-PS: 2735.
- 1-E (off Everett): 3691.

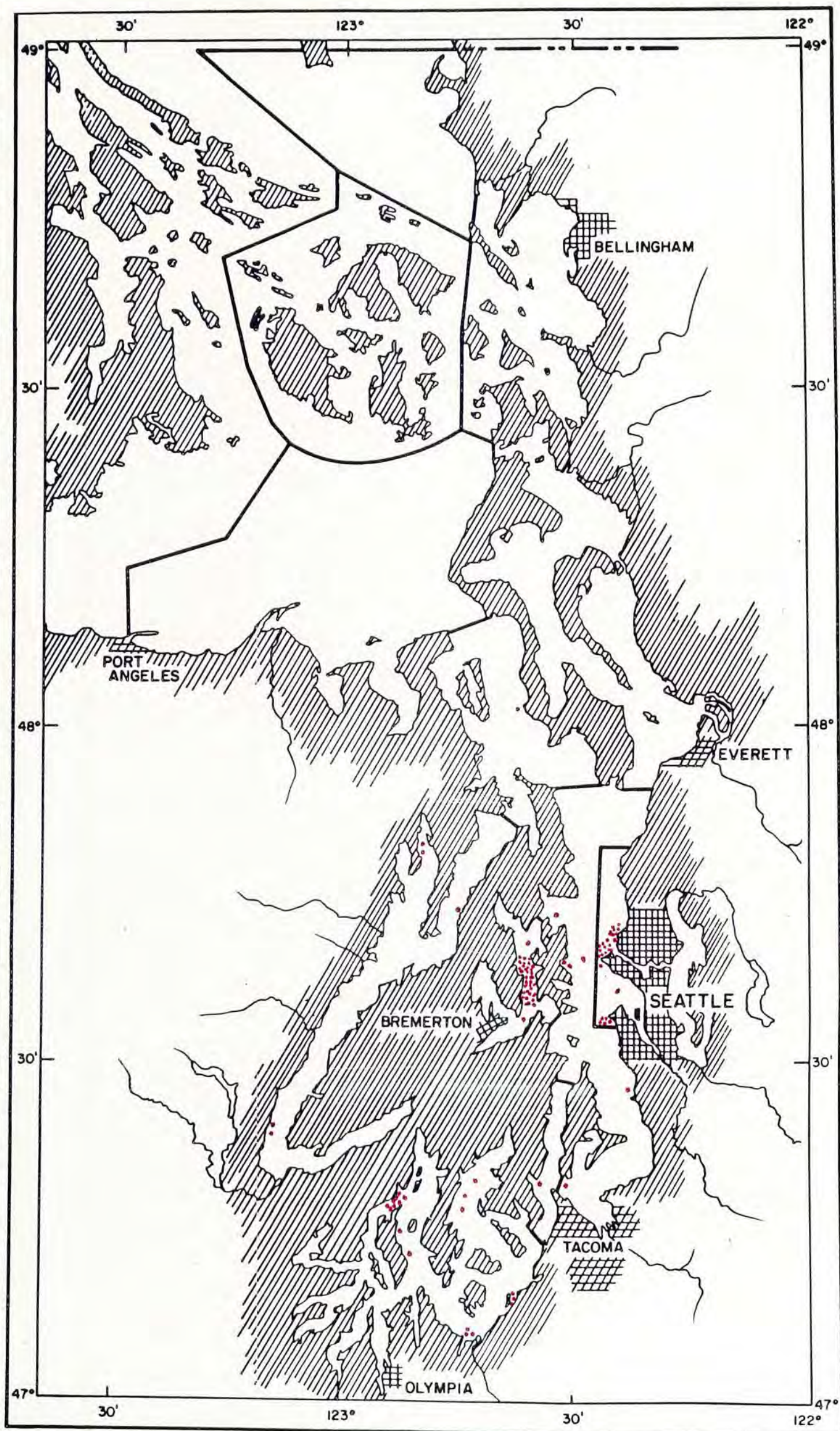


Sebastes alutus

Scorpaenidae

Friday Harbor Laboratory Log

1-JF (west of McArthur Bank):
8/8/60.



Sebastes auriculatus

Scorpaenidae

Published Records

1-PS: Jordan and Starks, 1896.

University of Washington
Museum Collection

1-HC (near Hoodsport): 4539.
1-S (North Beach): 5039.
2-PO (off Fletcher Bay):
10682; 17120 (also boat 6406C).
3-PO (Port Orchard):
15361; 15362; 15363.
1-S (beach seine: Golden Gardens):
15176.
1-S (Ballard blinker light): 4844.

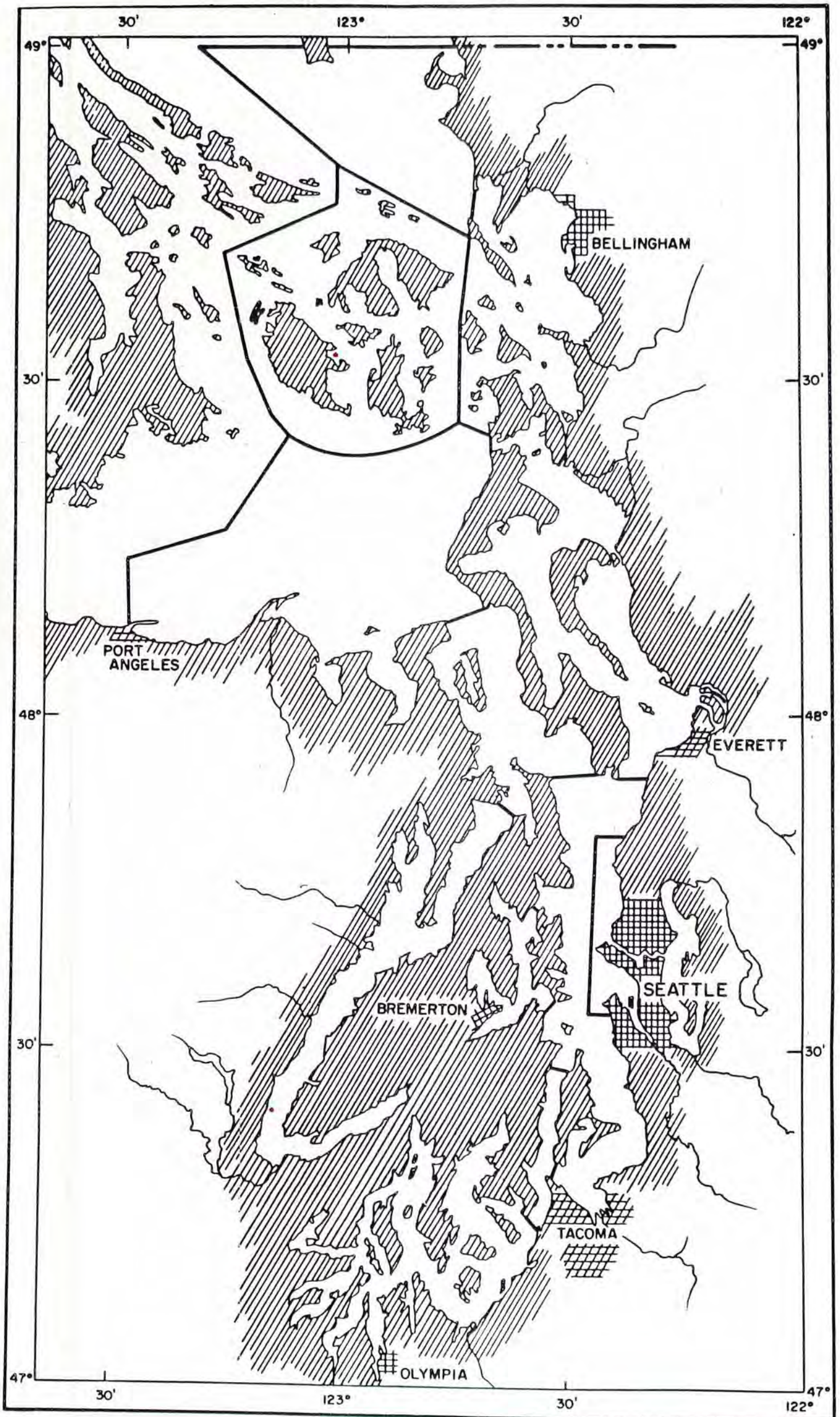
University of Washington Boat Log

24-PO (off Fletcher Bay to south of
Battle Point): 5315B; 5905A;
5906A; 5912A; 5919A,B; 5922A,B;
5923B; 5924B; 5931B; 6003A;
6006A,B; 6008A; 6016A2,B2,B3,B5;
6205D1,D2,D3; 6320A; 6507K.
16-PO (probably off Fletcher Bay):
5926A; 6002A; 6009A; 6713A,B;
6806; 7011A,E; 7104-1,2; 7105-2;
7107A,B; 7302A,B; 7313X.
2-PO (off south of Fletcher Bay):
5926B; 6118A.
2-PO (between "E-2" and "B-1"):
6205C1, C3.
1-PO (Manzanita to Seabold): 6215A.
1-S (off Golden Gardens): 497E.
1-SS (Carr Inlet, mid-channel, Glen
Cove to Raft and Cutts Islands):
5613F.
2-HC (Dabob Bay, Broad Spit to Long
Spit): 6629A,B.
1-SS (Carr Inlet, mid-channel, Glen
Cove to Green Point): 6724B.
1-SS (Case Inlet, east of Hartstene
Island): 6724C.
1-CS (Murden Cove): 6812.
1-CS (training cruise area: mid-
channel, Skiff Point to West
Point): 7118B.
1-CS (off Murden Cove): 4/4/73.

Miscellaneous Logs

1-HC (Hoodsport):
Bill High, Diving, personal
communication, 10/22/63.
1-AI (off Bush Point):
WSDF, Sport Fish., 1965-70.
1-S (Elliott Bay):
WSDF, Sport Fish., 1965-70.
4-HC: WSDF, Sport Fish., 1965-70.
1-SS (Carr Inlet): NMFS, Cobb-75.
1-SS (Case Inlet): NMFS, Cobb-75.
1-SS (off Nisqually River delta):
Sea Grant, 72020.
1-CP (off Gig Harbor spit):
Sea Grant, 72025.
15-S (off northwest side of West
Point): Sea Grant, 1973.

1-S (off southwest side of West
Point): Sea Grant, 1973.
2-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
5-S (southwest of Alki Point):
Sea Grant, 1973.
2-PO (off south of Fletcher Bay):
Sea Grant, 73008.
2-SS (off Nisqually River delta):
Sea Grant, 1973.
2-SS (west side of Dougall Point):
Sea Grant, 1973.
6-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.
1-HC (Bangor Annex): Kramer, Chin,
and Mayo, NCEL Survey, 1973.
1-CS (Vashon Island, Neill Point to
Point Dalco): Doug Olander,
Sport Catch, 1972-73.
5-S (north of Meadow Point): Doug
Olander, Sport Catch, 1972-73.
3-SS (Cormorant Pass.):
Sea Grant, 1973.
1-CS (Port Madison):
Van Cleve, trap, 1961-65.
1-CS (beach seine: Seahurst County
Park): Sea Grant, 72016.

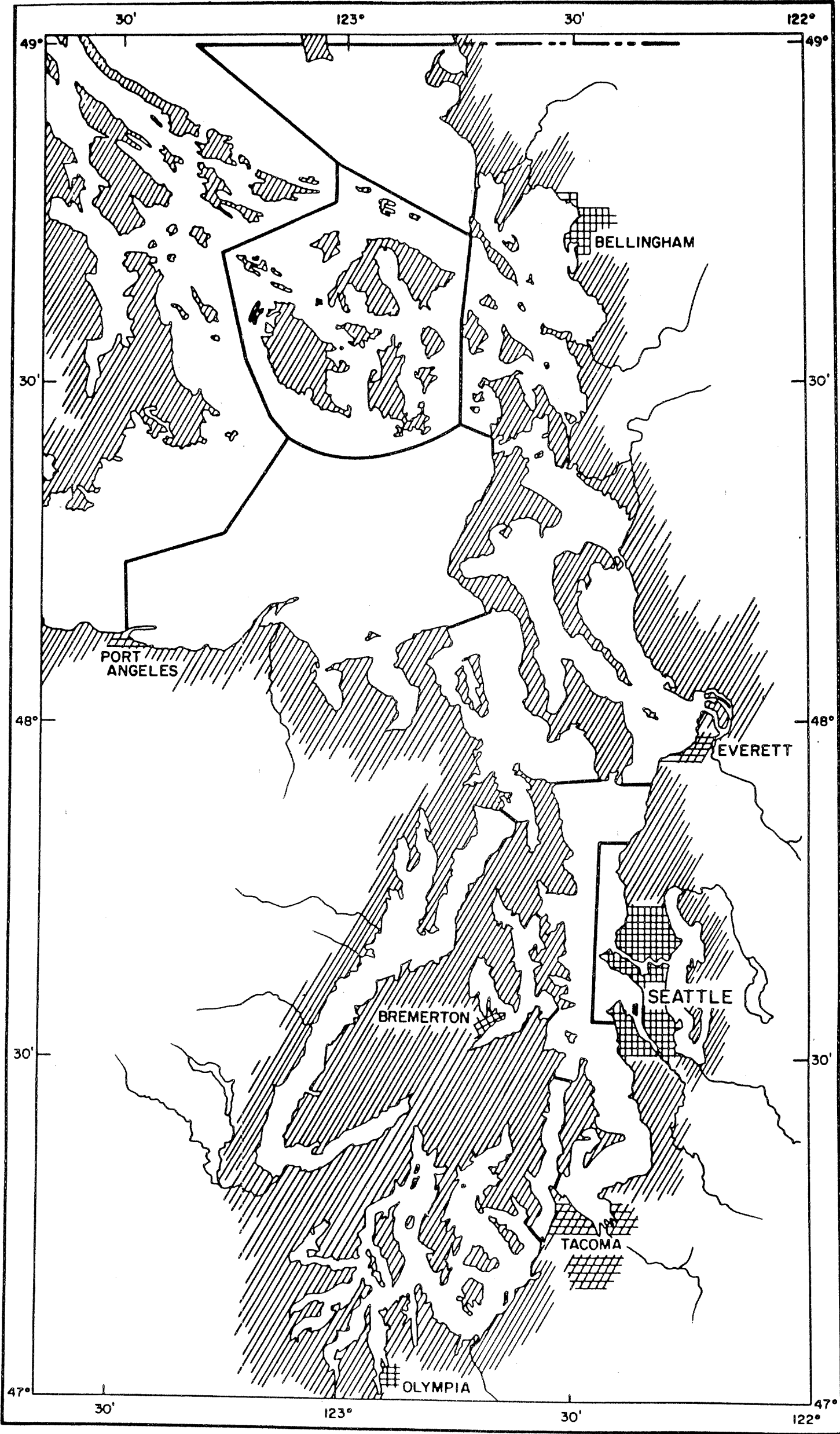


Sebastes babcocki

Scorpaenidae

University of Washington
Museum Collection

1-HC (near Hoodsport): 16013.
1-SJ (Friday Harbor): 16352.

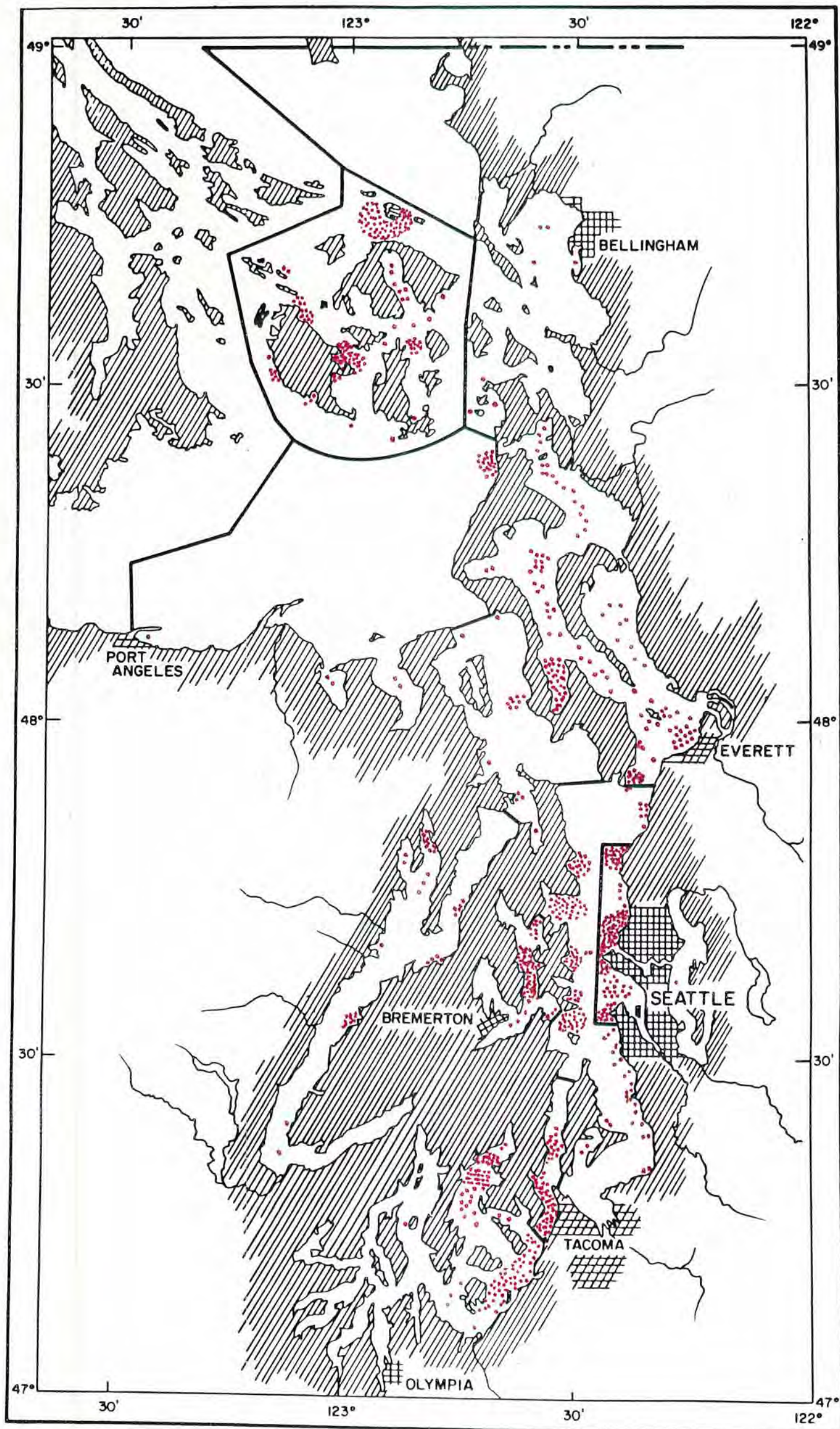


Sebastes brevispinis

Scorpaenidae

Miscellaneous Logs

- 1-SS (Carr Inlet, off north of Home
to between Glen Cove and Minter
Creek, 27-31 fathoms):
WSDF, Groundfish Trawl Log,
11/19/72 (I.D. by Jim Beam).
- 1-SJ (Reid Rock, San Juan Channel):
M. Barker, hook-and-line,
6/22/75.



Sebastes caurinus

Scorpaenidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
 1-S (Seattle):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-SJ: Shelford et al., 1935.
 2-B (Bellingham Bay): Smith, 1936.
 2-E (Coupeville): Smith, 1936.
 2-JF (Sequim Bay; Discovery Bay):
 Smith, 1936 (Discovery Bay record
 is also museum 3878).
 1-AI (Port Townsend): Smith, 1936.
 2-HC (Bangor; Dabob Bay):
 Smith, 1936.
 1-SS (Hale Pass): Smith, 1936.
 4-SS (Carr Inlet; McNeil Island;
 Anderson Island; Dofflemeyer
 Point): Smith, 1937.
 2-CS (Quartermaster Harbor;
 Meadowdale): Smith, 1937.
 2-E (Columbia Beach): Smith, 1937.
 3-E (Camano Head; Langley; Camano):
 Smith, 1937.
 4-E (Gedney Island): Smith, 1937.
 1-HC (Holly): Smith, 1937.
 2-SJ (Upright Channel; Obstruction
 Island): Smith, 1937.
 1-B (Shannon Point, Fidalgo Island):
 Halstead, 1950.
 1-CS (Seahurst County Park):
 Miller, 1971a.
 10+-JF (sport catch):
 Haw and Buckley, 1971.
 10+-SJ (sport catch):
 Haw and Buckley, 1971.
 10+-B (sport catch):
 Haw and Buckley, 1971.
 50+-E (sport catch, Port Gardner,
 Port Susan, and Saratoga Pass.):
 Haw and Buckley, 1971.
 50+-HC (sport catch):
 Haw and Buckley, 1971.
 1-B (beach seine: north of Eliza
 Island area of Bellingham Bay):
 Tyler, 1964.
 50+-CS (sport catch: Seattle to Des
 Moines, especially the south end
 of Bainbridge Island and the
 Kingston breakwater):
 Haw and Buckley, 1971.
 50+-S (sport catch: Shilshole and
 Edmonds breakwaters):
 Haw and Buckley, 1971.
 50+-CP (sport catch: Tacoma
 Narrows): Haw and Buckley, 1971.
 50+-SS (sport catch: Point Fosdick
 to Anderson Island):
 Haw and Buckley, 1971.
 3-HC (Anderson Cove): Chew, 1970.
 1-SJ (Brown Island):
 Kohlruss, 1933.
- University of Washington
Museum Collection
- 8-S (Alki Point): 755; 784; 872;
 1632; 1633; 1922; 2897; 3783.
- 6-SJ (Friday Harbor): 1052; 1054;
 1156; 1287; 1339; 2180.
 4-PS: 1847; 11742; 11765; 15178.
 1-HC (Holly): 1557.
 1-HC (Brinnon): 2731.
 1-SJ (Iceberg Point): 2992.
 1-S (Elliott Bay): 3103.
 1-JF (Sequim Bay): 3806.
 2-S (south of West Point):
 4368; 4407.
 1-HC (Quilcene Bay): 4450; 7248.
 2-E (Saratoga Pass): 4947; 15172.
 1-SS (Drayton Pass.):
 5692 (also boat 7/19/49-2).
 1-CS (off Port Madison):
 5722 (also boat 497B).
 1-HC (opposite Hoodsport): 16343.
 3-CS (Port Madison): 5786 (also
 boat 492B); 6092; 5878.
 1-CP (south of Point Sandford):
 5993.
 1-PO (Agate Pass., buoy N6 to N4):
 6112.
 1-CS (north side of Maury Island):
 6137.
 1-E (Holmes Harbor, off Dines
 Point): 6144.
 1-CS (Indianola): 6184.
 1-HC: 10148.
 1-PO (off Fletcher Bay): 10683.
 1-SJ (north side Johns Island,
 second bay): 11661 (also Friday
 Harbor Log, 8/19/52-2).
 4-PO (Port Orchard):
 15360; 15364; 15365; 15366.
 1-B (Bellingham Bay area, Chuckanut
 Bay): 18282.
 2-SS (northwest end of Nisqually
 Reach):
 5819 (also boat 7/20/49-5); 5827
 (also boat 5009I).
 4-S (off Golden Gardens):
 5985 (also boat 495D); 5967 (also
 boat 5007C); 5858 (also boat
 5034D); 5733.
 5-S (Golden Gardens):
 5947 (also boat 5032.1A); 5653;
 5910; 16735; 16846.
 1-S (beach seine: Alki Point):
 4488.
 1-S (off North Beach): 4662.
 1-S (North Beach): 5028.
 1-S (Ballard Locks): 5021.
 1-S (Richmond Highlands): 5069.
 2-CS (Redondo Beach): 4994; 5079.
 2-S (Edwards Point to Point Wells):
 5072; 5123.
 4-S (Edmonds Beach):
 5447; 5466; 5476; 5644.
 1-S (Carkeek Park beach): 5968.
 1-S (beach seine: Carkeek Park):
 14446.
 3-S (beach seine: Golden Gardens):
 11674 (also boat 5209-D); 14445;
 16341 (also boat 5134A).
 1-S (off Ballard): 14383.

Sebastes caurinus

Scorpaenidae

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Museum Collection

- 1-S (off Duwamish Head to Alki Point): 14674.
 2-S (Shilshole Bay): 15451; 15452.
 1-E (Columbia Beach): 16344.
 1-S (Meadow Point): 17149.
 1-SJ (Limestone Point): 17435 (also Friday Harbor Log, 6/23/63).

Friday Harbor Laboratory Log

- 1-SJ (Reef Bay, northeast side Johns Island): 7/5/51-1.
 1-SJ (False Bay): 7/13/50-2.
 1-SJ (Salmon Banks): 7/7/52-3.
 17-SJ (Friday Harbor Lab):
 8/2/52; 7/50; 8/9/52; 7/17/60;
 6/16-21/61; 6/24/67-2; 6/29/69;
 7/2/69-1; 7/3/69; 7/15/69-1,5;
 7/16/69-2; 7/20/69; 8/21/69;
 7/21/69-1; 7/22/69-1; 8/13/69-1.
 1-SJ (off Friday Harbor Lab):
 6/24/73.
 1-SJ (off Kanaka Bay): 8/4/52-3.
 3-SJ (Friday Harbor):
 8/60; 8/15-16/52; 6/21/55-1.
 1-SJ (Brown Island): 8/2/55.
 1-SJ (Mud Bay): 8/15/55-3.
 1-SJ (Turn Island): 7/30/61.
 3-SJ (Argyle Bay):
 7/15/63; 8/16/55-2,3.
 1-SJ (outside False Bay):
 8/17/55-2.
 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (East Sound-Lopez Sound):
 7/11/63.
 1-SJ (mid East Sound): 11/17/64.
 1-SJ (Upright Head to Foster Point):
 6/26/73-2.

University of Washington Boat Log

- 1-E (Port Susan, off Spee-Bi-Dah):
 5023D.
 13-E (Holmes Harbor, Rocky Point to Dines Point):
 5220D,O; 5234A; 5237E,F; 5307C,D,
 K,L,R,S; 5312H,I.
 3-E (Holmes Harbor, Dines Point to Classic): 5234D; 5316C; 5501D.
 5-E (Holmes Harbor, south of Classic):
 5234F; 5307N,O; 5312B; 5316E.
 4-E (Holmes Harbor):
 5305I,J; 5325B,C.
 2-E (Saratoga Pass., Onamac Point to Indian Beach): 5405L; 5418K.
 1-E (Saratoga Pass., off North Bluff to off Greenbank): 5418N.
 1-E (off Mukilteo): 5613N.
 1-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5712C.
 4-E (training cruise area: east of Gedney Island):
 6614C; 6717C; 7010C; 7313C.

- 1-E (Saratoga Pass.): 6801.5.
 6-E (training cruise area: off Penn Cove): 6614E; 6620E; 6617E;
 7010E; 7017E; 7110E.
 14-HC (Dabob Bay, Broad Spit to Long Spit): 6503A,B,C,D,E,F,G,H;
 6629D,E; 6724A; 7202E,I,J.
 2-HC (Dabob Bay): 7102E,K.
 2-HC (Anderson Cove): 7009B,D.
 6-CS (Port Madison): 492A; 5122B;
 5131B; 6203A; 6204B; 7011C.
 2-CS (off Port Madison): 5043B,C.
 1-CS (mid Quartermaster Harbor):
 5042D.
 1-CS (training cruise area: mid West Point to Skiff Point): 6614B.
 4-PO (off south of Fletcher Bay):
 5801A,B; 5926B; 6118A.
 21-CS (Murden Cove):
 6610A,B,C,D; 6612A; 6613A,B;
 6616; 6713C; 6809A; 6812B,C;
 6818C; 6819X; 6912; 7108A,B,C,D;
 4/4/73B; 7308A.
 4-PO (Agate Pass., buoy N6 to N4):
 5006A; 5048A; 5106E; 6617B.
 1-PO (Agate Pass.): 5011C.
 33-PO (off Fletcher Bay to south of Battle Point and Brownsville):
 5207D,E; 5228F; 5315B; 5809A;
 5901AK; 5904A,B,C; 5905A; 5906A;
 5912A; 5919A,B; 5922A,B; 5923B;
 5924B; 5931B; 6003A; 6006A,B;
 6008A; 6016A1,A3,B3,B5; 6205D2;
 5317B; 6320A; 6403AF; 6507K;
 5223B.
 3-PO (between "B-2" and "B-1"):
 6205C1,C2,C3.
 1-PO (Manzanita to Seabold): 6215B.
 1-PO (off Seabold Wharf): 6617A.
 21-PO (most off Fletcher Bay):
 5926A; 6002A; 6009A; 6012C; 6214;
 6419; 6515-2; 6713A,E; 6715;
 6916H; 7011A; 7104-1,2; 7105-1,2;
 7020; 7107A,B; 7302A,B.
 1-PO (Agate Pass., north of Buoy N4): 6012D.
 1-PO (beach seine: 1 mile north of Illahee dock): 6205A1.1.
 39-S (off Golden Gardens to Meadow Point): 496A,C; 498A; 5008B,C;
 5014C; 5017C,D; 5028A,B,C; 5029A,
 B,D,E; 5033A; 5034B; 5039D;
 5110B,F; 5112C; 5119C,D,H; 5127B;
 5131C; 5132B; 5203D; 5907C,D;
 6018A; 6112B; 6114A; 6206A,B;
 6311A,F; 6414A; 6510C.
 18-S (beach seine: Golden Gardens to Meadow Point):
 5012B; 5019B; 5040A; 5047A;
 5112F; 5116E; 5121B; 5129B; 6211;
 4-6310; 6311B; 3-6417; 6513A.
 1-S (off Alki Point to Duwamish Head): 5027B.
 1-S (off 4-Mile Rock to Pier 91):
 5027C.

Sebastes caurinus

Scorpaenidae

University of Washington Boat Log

1-S (south of West Point to off 4-Mile Rock): 5027D.
 13-S (off Meadow Point to Carkeek Park): 5119A,B; 5203A; 5212A,C, D,F; 5915C,D; 6414B,C,D; 6510B.
 1-S (north of Carkeek Park): 6414E.
 1-S (Meadow Point to Richmond Beach): 6429A.
 3-S (off West Point sewer outfall): 6718-3,4,6.
 1-S (Carkeek Park to Richmond Beach): 6719D.
 3-CP (off Camp Sealth): 5009E,F; 5104DD.
 1-CP (Paradise Cove to Point Sandford): 5126N.
 2-SS (west of Herron Island, Case Inlet): 5009G; 5126H.
 1-SS (east side of Cutts Island): 5037F.
 1-SS (Hale Pass., Arletta to Cromwell): 5046B.
 24-SS (off Glen Cove to off Raft and Cutts Islands, Carr Inlet): 5037G; 5045B,H,K; 5101B; 5102A,B; 5104L,M,N,O,F,Y,Z,AA; 5115F; 5126M; 5204A,B; 5227B; 5613D,F,G; 5037C.
 12-SS (Carr Inlet, off Minter Creek to Elgin): 5045EE; 5101C; 5104D,I,V; 5126D, F; 5135C,D; 5213F; 5227D,E.
 2-SS (Carr Inlet, off Wauna): 5104E,G.
 1-SS (off north of Home to off Horsehead Bay spit): 5104R.
 1-SS (mouth of Carr Inlet, southwest of Green Point): 5104T.
 2-SS (Carr Inlet): 5522B; 5703C.
 2-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-1,3.
 1-B (Burrows Bay): 5033S.
 1-CS (Murden Cove): 7008A.
 1-CS (off West Point): 7017Y.

Miscellaneous Logs

1-AI (Port Gamble): Bill High, Diving, personal communication, 10/22/63.
 1-HC: Bill High, Diving, personal communication, 10/22/63.
 1-AI (Keystone ferry): Bill High, Diving, personal communication, 12/30/66.
 18+-JF (off West Beach): WSDF, Sport Fish., 1965-70.
 10+-E (Skagit and Similk Bays): WSDF, Sport Fish., 1968-69.
 9-E (Everett): WSDF, Sport Fish., 1965-70.
 8-AI (off Bush Point): WSDF, Sport Fish., 1965-70.
 11+-S (Elliott Bay): WSDF, Sport Fish., 1965-70.

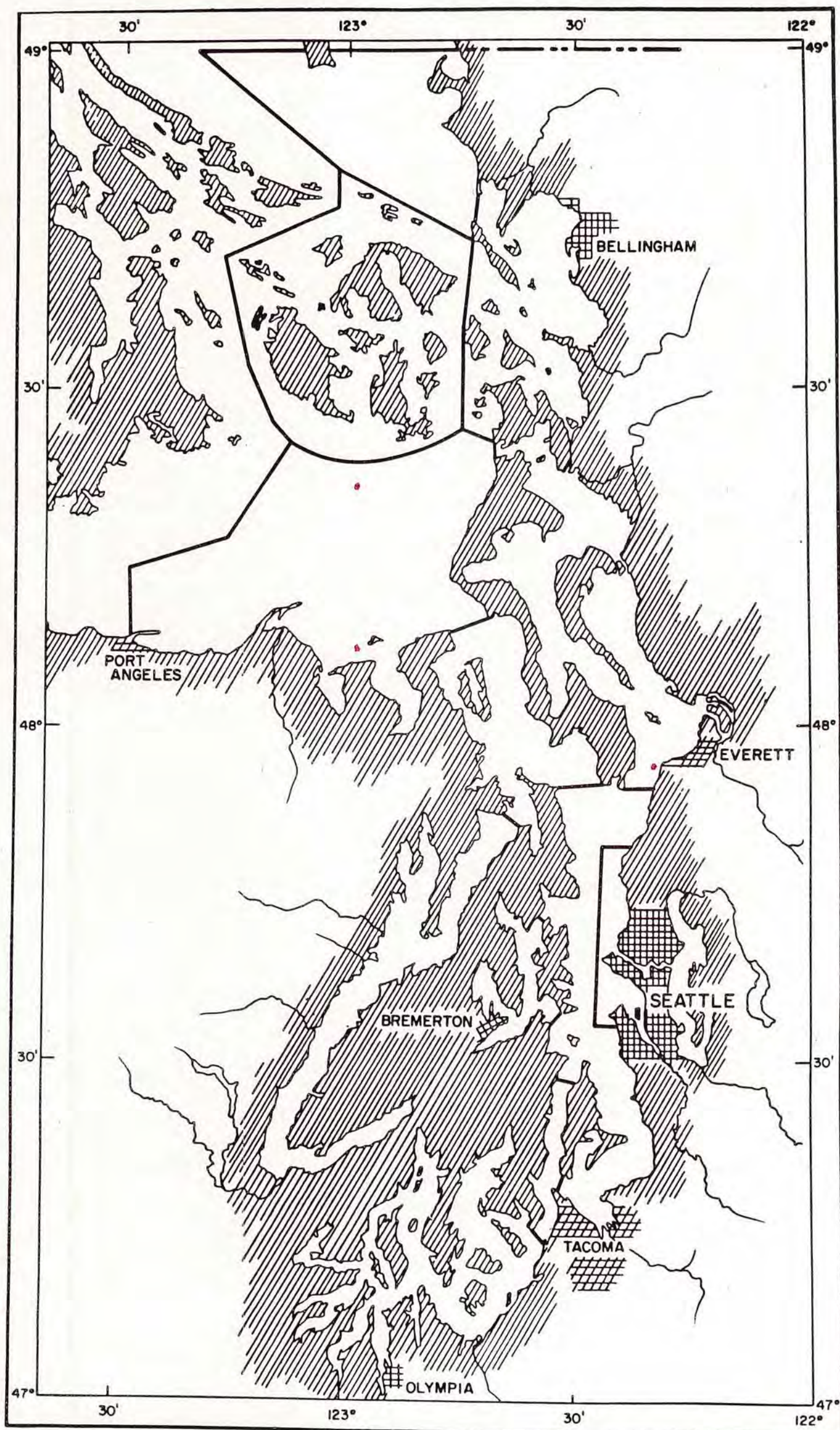
10+-SS: WSDF, Sport Fish., 1965-70.
 1-SJ: WSDF, Sport Fish., 1965-70.
 11+-HC: WSDF, Sport Fish., 1968.
 1-JF (Discovery Bay): WSDF, commercial catch comp., 1966-70.
 50+-SJ (Sucia Island): Allyn Johnson, personal communication, 1972.
 1-SS (Carr Inlet): NMFS, Cobb-68.
 1-E (Holmes Harbor): NMFS, Cobb-68.
 4-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
 4-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
 2-HC (Big Beef Harbor): NIH, 69042.
 24-CS (Port Madison): Van Cleve, trap, 1961-65.
 1-PO (off Fletcher Bay): Van Cleve, trap, 1961-65.
 1-JF (beach seine: Port Angeles embayment): Peninsula College, 1971.
 1-CS (Point Pully): Bruce Miller, Diving Log, 9/13/64.
 2-SJ (East Sound): Bruce Miller, Diving Log, 10/18/64; 2/10/66.
 14-SJ (Friday Harbor): Bruce Miller, Diving Log, 7/12/65; 8/2/65; 8/21/65; 9/5/65; 9/10/65; 1/24/66; 2/26/66; 3/12/66; 3/25/66; 4/5/66; 4/25/66; 6/18/66; 6/20/66; 7/22/66.
 4-SJ (Limestone Point): Bruce Miller, Diving Log, 9/6/65; 7/23/66; 7/30/66; 4/27/66.
 1-SJ (west-central side of San Juan Island): Bruce Miller, Diving Log, 3/27/66.
 1-SJ (Edwards Reef, west-central San Juan Island): Bruce Miller, Diving Log, 8/16/66.
 3-CS (Point Pully): Bruce Miller, Diving Log, 2/3/67; 3/17/67; 5/10/68.
 2-CS (Port Blakely): Bruce Miller, Diving Log, 5/24/68; 7/12/68.
 1-CS (Tramp Harbor, Standard Oil dock): Bruce Miller, Diving Log, 5/31/68.
 2-PO (Fletcher Bay): 6/25/69-1,2.
 2-PO (Port Orchard rocks): Bruce Miller, Diving Log, 6/25/69; 9/11/70.
 2-PO (Clam Bay): Bruce Miller, Diving Log, 6/12/70; 7/1/70.
 2-CP (off Gig Harbor spit): Sea Grant, 72003 (also boat 7208).
 4-CP (Gig Harbor): Sea Grant, 72003 (also boat 7208).
 1-SS (off Nisqually flats): Sea Grant, 72020.
 1-E (east and northeast of Gedney Island): NMFS, Streeter, 2/21/73.
 6-S (off northwest side of West Point): Sea Grant, 1973.

Sebastes caurinus

Scorpaenidae

Miscellaneous Logs

- 11-S (off southwest side of West Point): Sea Grant, 1973.
- 7-S (deep otter trawl: off West Point): Sea Grant, 1973.
- 3-S (southwest of Alki Point): Sea Grant, 1973.
- 6-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 5-S (Edmonds wreck): L. Moulton, personal communication, Sport Catch, 6/25/73.
- 1-HC (mid-channel, off Skokomish River delta): Sea Grant, 1973.
- 4-HC (Bangor Annex): Kramer, Chin, and Mayo, NCEL Survey, 1973.
- 6-CS (Picnic Point to Norma Beach): Doug Olander, Sport Catch, 1972-73.
- 12-CP (off Point Richmond): Doug Olander, Sport Catch, 1972-73.
- 5-CS (Port Madison): Doug Olander, Sport Catch, 1972-73.
- 2-S (south side of West Point): Doug Olander, Sport Catch, 1972-73.
- 13-E (east of Possession Point): Doug Olander, Sport Catch, 1972-73.
- 12-SJ (Lopez Sound, north of Flower Island): Doug Olander, Sport Catch, 1972-73.
- 3-AI (Point Hannon to Hood Head): Doug Olander, Sport Catch, 1972-73.
- 39-CS (south end of Bainbridge Island, southeast of Orchard Rocks): Doug Olander, Sport Catch, 1972-73.
- 1-SJ (Doe Bay): Doug Olander, Sport Catch, 1972-73.
- 6-CS (near Blakely Rock): Doug Olander, Sport Catch, 1972-73.
- 7-CS (in Appletree Cove): Doug Olander, Sport Catch, 1972-73.
- 4-S (wreck, north of Meadow Point): Doug Olander, Sport Catch, 1972-73.
- 14-S (Edmonds breakwater): Doug Olander, Sport Catch, 1972-73.
- 14-SJ (near Turn Island): Doug Olander, Sport Catch, 1972-73.
- 5-SJ (near Deadman Bay): Doug Olander, Sport Catch, 1972-73.
- 10-SJ (Rocky Bay): Doug Olander, Sport Catch, 1972-73.
- 1-B (west side of Allen Island): Steve Borton, Sport Catch, 7/22/74.
- 3-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
- 3-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.
- 2-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.



Sebastes crameri

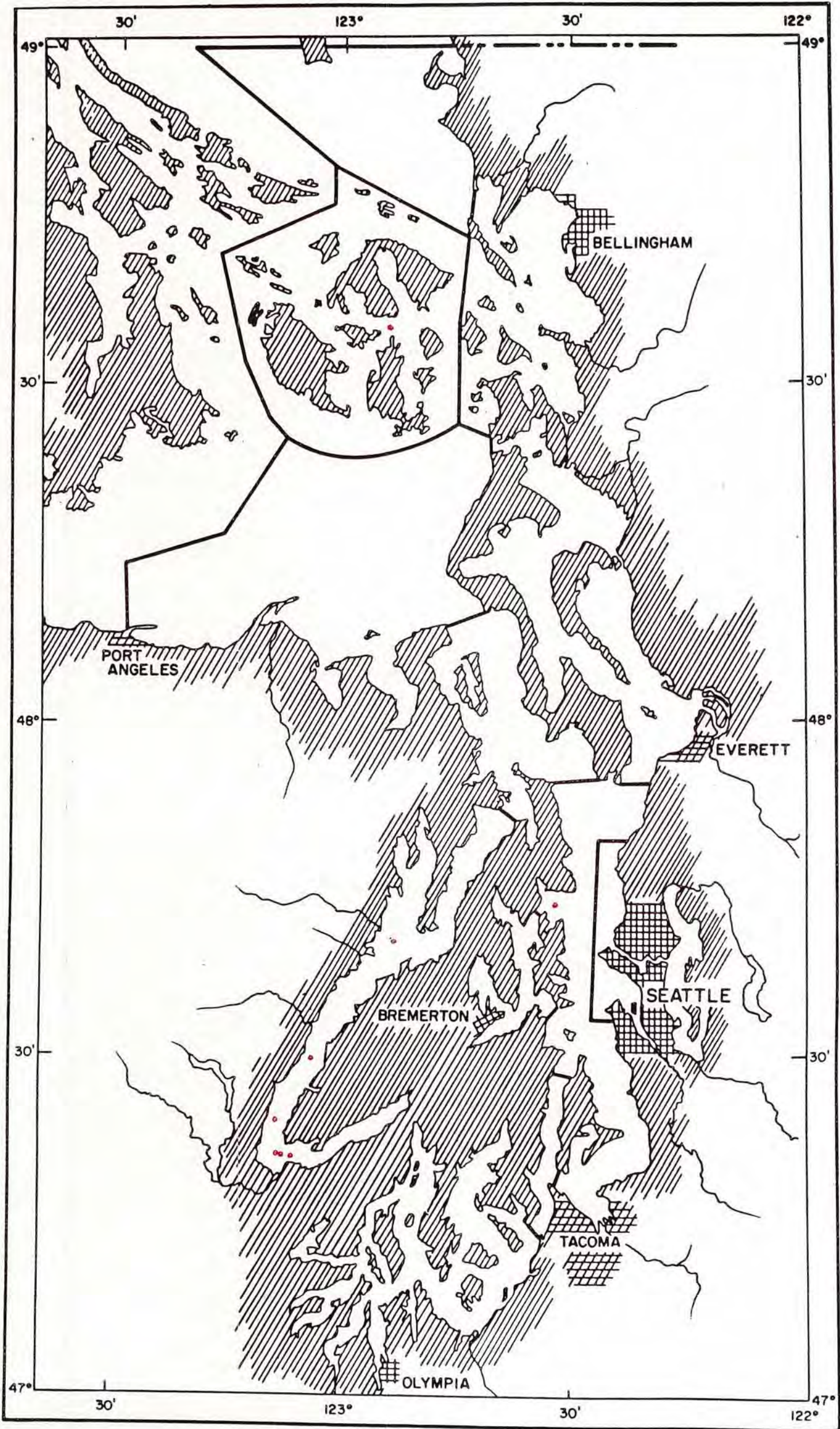
Scorpaenidae

University of Washington
Museum Collection

- 1-E (off Mukilteo): 4545.
- 1-JF (west of McArthur Bank): 11041.

Miscellaneous Logs

- 1-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.



Sebastes diploproa

Scorpaenidae

Published Records

1-HC: Hubbs, 1928.

University of Washington
Museum Collection

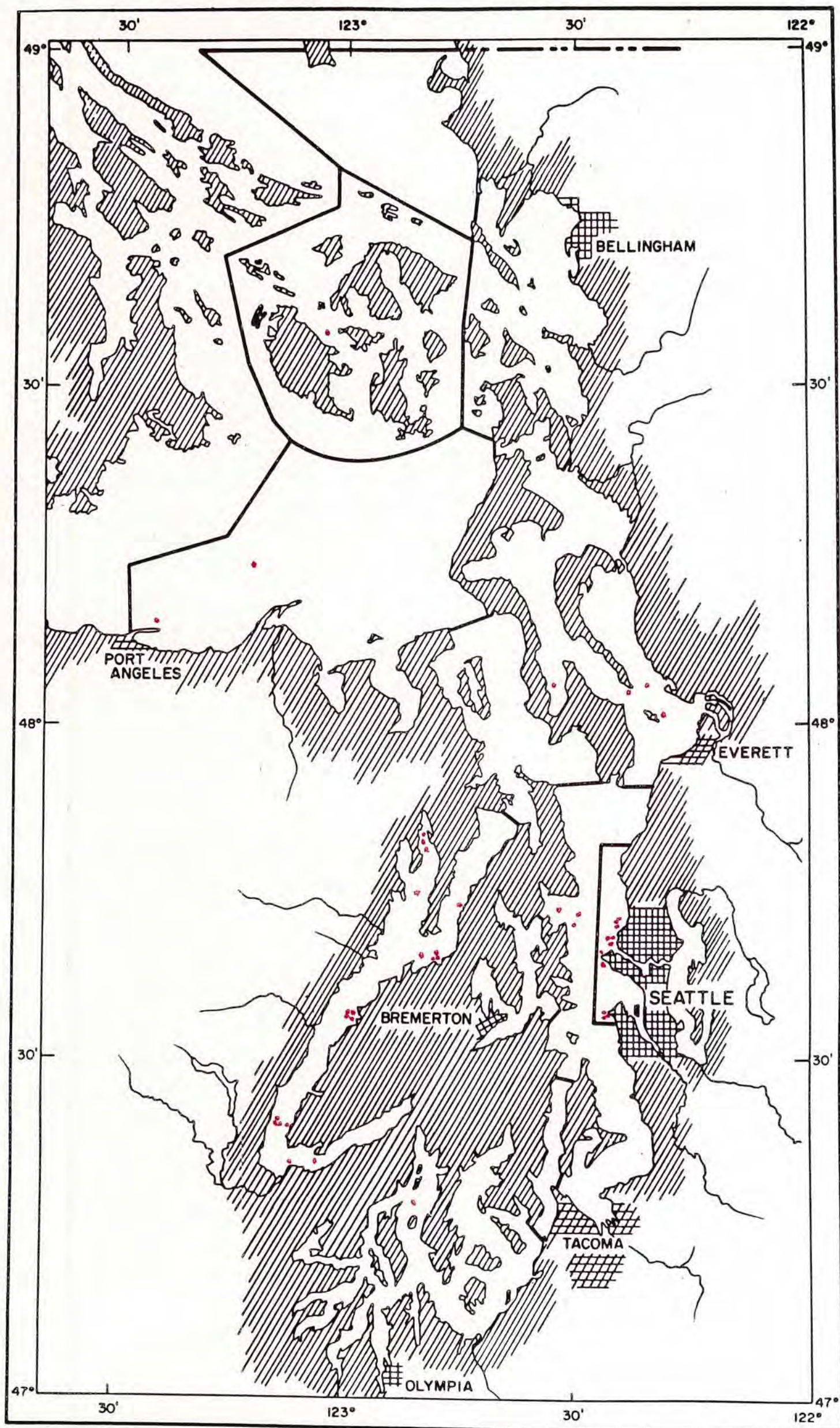
1-CS (mid Port Madison):
5744 (also bcat 492B).
1-HC (near Union): 10151.

Miscellaneous Logs

2-HC (mid-channel, off Skokomish
River delta): Sea Grant, 1973.
1-HC (off Dabob Bay):
NMFS, Cobb-68.
1-HC (off Ayock Point):
NMFS, Cobb-68.
1-HC (off Hoodsport):
NMFS, Cobb-71.

Friday Harbor Laboratory Log

1-SJ (Upright Head to Foster Point):
6/26/73-2.



Sebastes elongatus

Scorpaenidae

Published Records

- 1-HC: Hubbs, 1928.
 1-HC (Bangor): Smith, 1936
 (probably also museum 3776).
 2-HC (Hoodsport): Smith, 1937.
 1-HC (Seabeck): Smith, 1937.
 2-HC (Anderson Cove): Chew, 1970.

- 3-S (deep otter trawl: off southwest
 of Alki Point): Sea Grant, 1973.
 1-HC (off Union): Sea Grant, 1973.
 1-S (off southwest side of West
 Point): Sea Grant, 1973.

University of Washington
Museum Collection

- 1-E (Saratoga Pass., Camano Head):
 2737.
 1-E (Camano Head and Tulalip):
 4014.
 1-JF (Ediz Hook): 4868.
 1-CS (off Port Madison):
 5723 (also boat 497B).
 1-HC (opposite Hoodsport):
 5782 (also boat 499F).
 1-S (off Golden Gardens): 6149.
 1-HC: 10149.
 1-PS: 11746.
 1-CS (off Point Monroe):
 14399 (also boat 5805C).
 1-HC (Hoodsport): 4854.
 1-S (off Carkeek Park):
 16345 (also boat 5039C).

Friday Harbor Laboratory Log

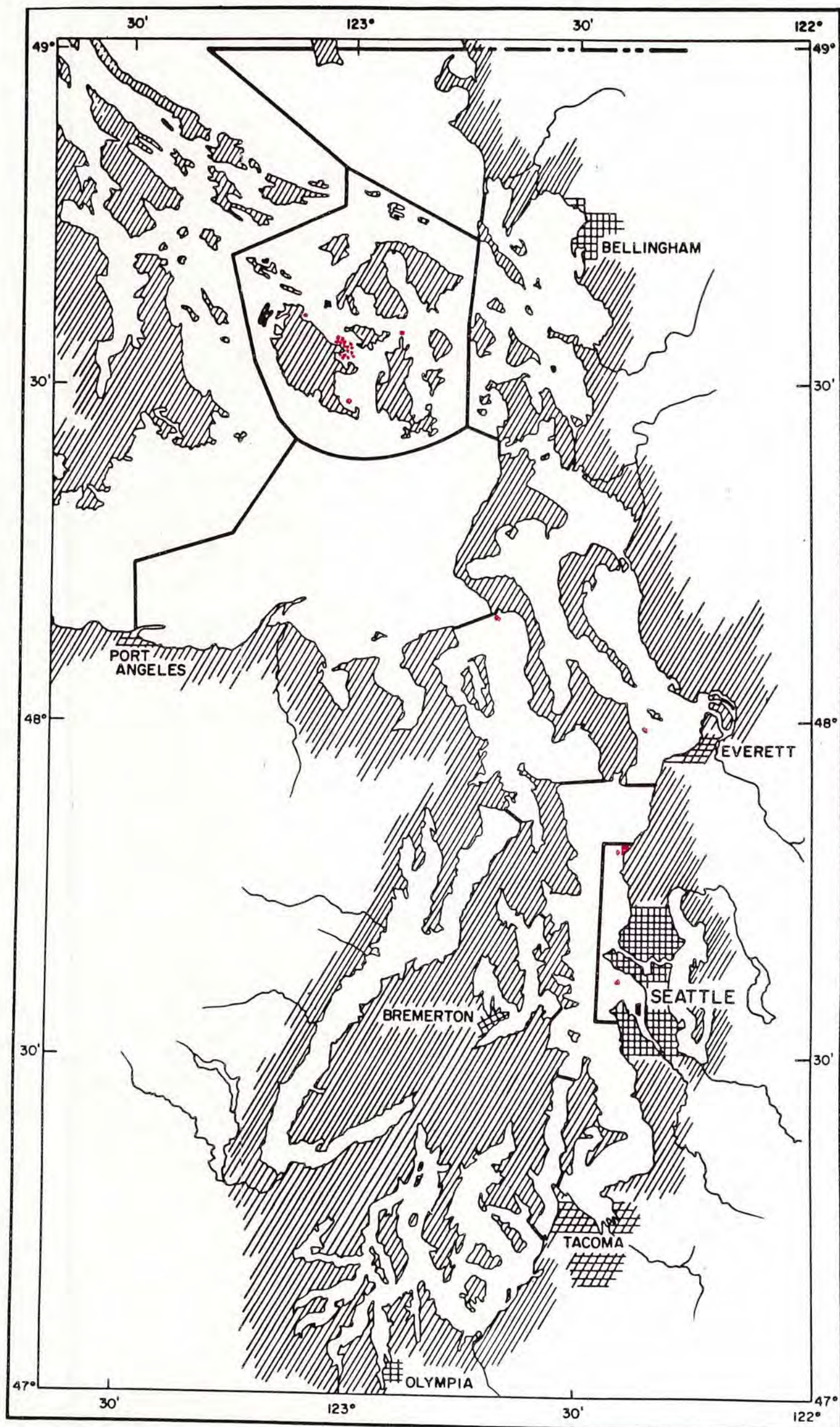
- 1-SJ (San Juan Channel, west of Neck
 Point, closer to San Juan
 Island): 7/31/69.

University of Washington Boat Log

- 1-S (Golden Gardens): 5034B.
 1-HC (off Sister Point): 499G.
 1-S (off Carkeek Park): 5041B.
 2-S (off Golden Gardens):
 5129D; 6510C.
 1-E (mid Holmes Harbor): 5501D.
 1-HC (Dabob Bay): 5903B.
 3-HC (Dabob Bay, Broad Spit to Long
 Spit): 6503A,B; 6629A.
 1-S (off Meadow Point to Carkeek
 Park): 6510B.
 1-E (training cruise area: east of
 Gedney Island): 6630C.
 1-CS (Port Madison): 7011C.
 3-HC (Anderson Cove): 7009A,B,D.

Miscellaneous Logs

- 10+-HC: WSDF, Sport Fish., 1965-70.
 1-JF (mid-channel, northwest of
 Dungeness Spit): NMFS, Cobb-25.
 1-SS (Case Inlet, Stretch Island to
 Herron Island): NIH, 1968-71.
 2-HC (Big Beef Harbor): NIH, 69042.
 1-HC (off Big Beef Harbor):
 Sea Grant, 72026.
 1-S (off northwest side of West
 Point): Sea Grant, 1973.



Sebastes emphaeus

Scorpaenidae

Published Records

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

University of Washington
Museum Collection

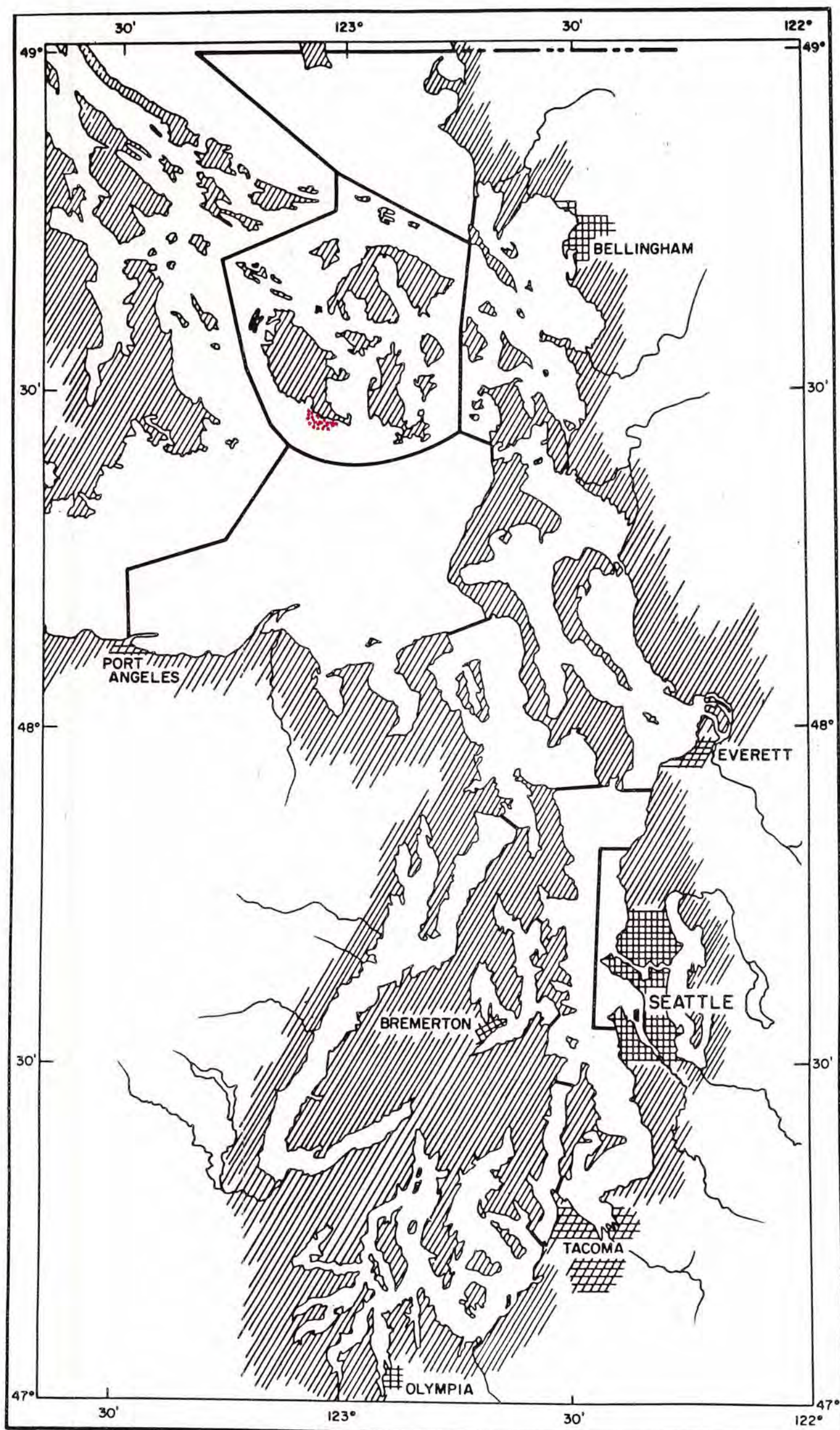
- 1-SJ (Griffin Bay): 2159.
1-SJ (Friday Harbor): 2200.
1-E (Saratoga Pass., off Clinton):
2723.
1-S (Elliott Bay): 2727.
2-SJ (O'Neal Island): 2729; 2734.
1-PS: 15177.

Friday Harbor Laboratory Log

- 1-SJ (Upright Head): 4/15/68.

Miscellaneous Logs

- 1-AI (Keystone jetty): David
Somerton, Diving Log, 1973-74.
5-S (Edmonds oil dock): David
Somerton, Diving Log, 1973-74.
3-SJ (Cantilever dock, Friday Harbor
Lab): Moulton and Miller, Diving
Log, 1973-74.
1-SJ (Point George): Moulton and
Miller, Diving Log, 1973-74.
9-SJ (Shady Cove area, San Juan
Island): Moulton and Miller,
Diving Log, 1973-74.
2-SJ (Friday Harbor Lab dock):
Moulton and Miller, Diving Log,
1973-74.

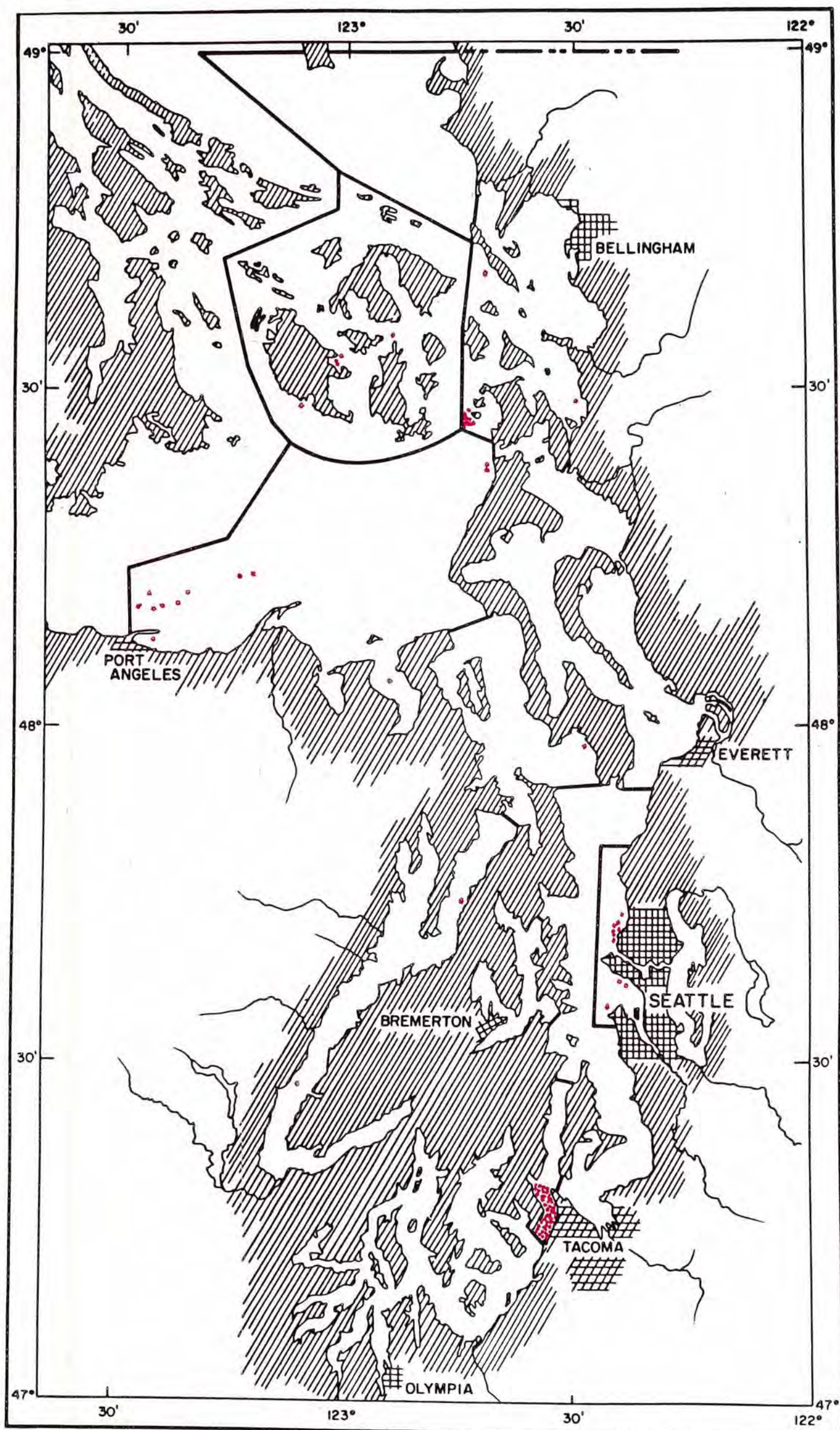


Sebastes entomelas

Scorpaenidae

Miscellaneous Logs

20+-SJ (Eagle Point):
Sport Catch (hook and line), Ed
DeMartini, 8/74.



Sebastes flavidus

Scorpaenidae

Published Records

50+-CP (Tacoma Narrows):
Haw and Buckley, 1971.

University of Washington
Museum Collection

1-SJ (Kanaka Bay): 1244.
1-S (beach seine: Alki Point):
4529.
1-SJ (Friday Harbor): 5337.
1-JF (Port Angeles): 5364.
1-PS: 5595.
1-S (Golden Gardens): 11672.
1-B (Bayview jetty): 7219.
1-S (off Golden Gardens): 12687.

Friday Harbor Laboratory Log

1-SJ (Upright Head): 6/28/51-1.
1-SJ (off Friday Harbor Lab):
6/24/73.
1-SJ (Friday Harbor Lab):
6/24/67-2.

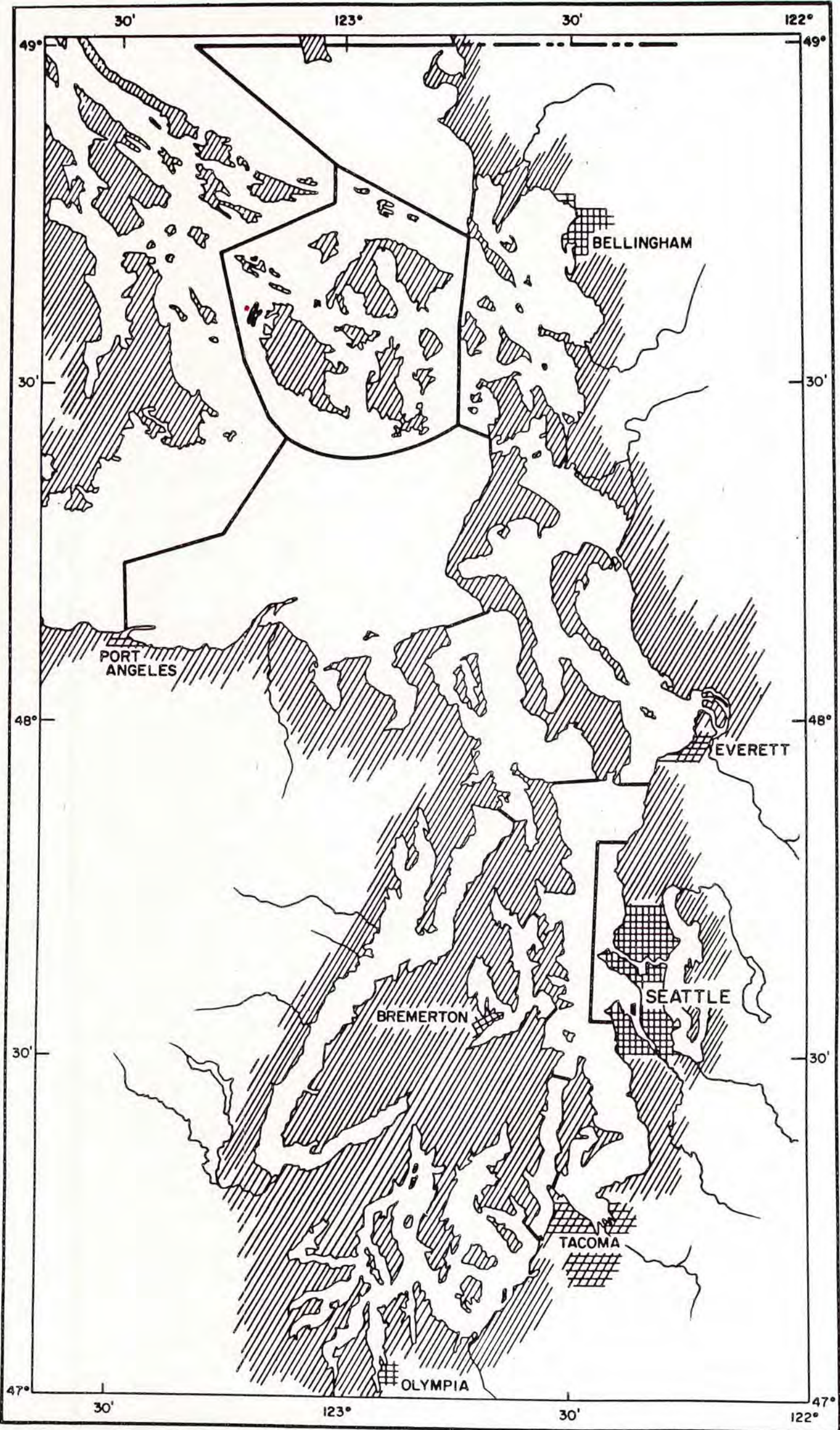
University of Washington Boat Log

1-S (off Carkeek Park): 5110A.
1-S (off Meadow Point to Carkeek
Park): 5203A.

Miscellaneous Logs

1-S (Shilshole): Bill High, Diving,
personal communication, 12/30/66.
2-JF (off West Beach):
WSDF, Sport Fish., 1965-70.
2-S (Elliott Bay):
WSDF, Sport Fish., 1965-70.
4-HC: WSDF, Sport Fish., 1965-70.
1-JF (Discovery Bay): WSDF,
commercial catch comp., 1966-70.
1-B (west of Lummi Island): WSDF,
commercial catch comp., 1969-70.
1-JF (mid-channel, northwest of
Dungeness Spit): NMFS, Cobb-25.
1-JF (northeast of Ediz Hook):
NMFS, Cobb-68.
2-JF (mid-channel, north of Morse
Creek): NMFS, Cobb-90.
1-JF (northwest of Dungeness Spit):
NMFS, Cobb-92.
3-JF (north of Ediz Hook):
NMFS, Cobb-25.
1-AI (Useless Bay): WSDF,
Groundfish Trawl Log, 1972.
1-HC (Bangor Annex): Kramer, Chin,
and Mayo, NCEL Survey, 1973.
2-S (wreck, north of Meadow Point):
Doug Olander, Sport Catch Log,
1972-73.
1-B (northwest corner of Allan
Island): Steve Borton, Sport
Catch, 4/9/74.
1-B (north side of Williamson
Rocks): Steve Borton and Bruce
Miller, Sport Catch, 6/11/74.

4-B (east side of Dennis Shoal):
Steve Borton and L. Moulton,
Sport Catch, 7/22/74.
1-HC (north of Liliwaup):
NMFS, Cobb-71.
2-B (east side of Dennis Shoal):
M. Barker and P. Duris, Sport
Catch, 10/19/74.

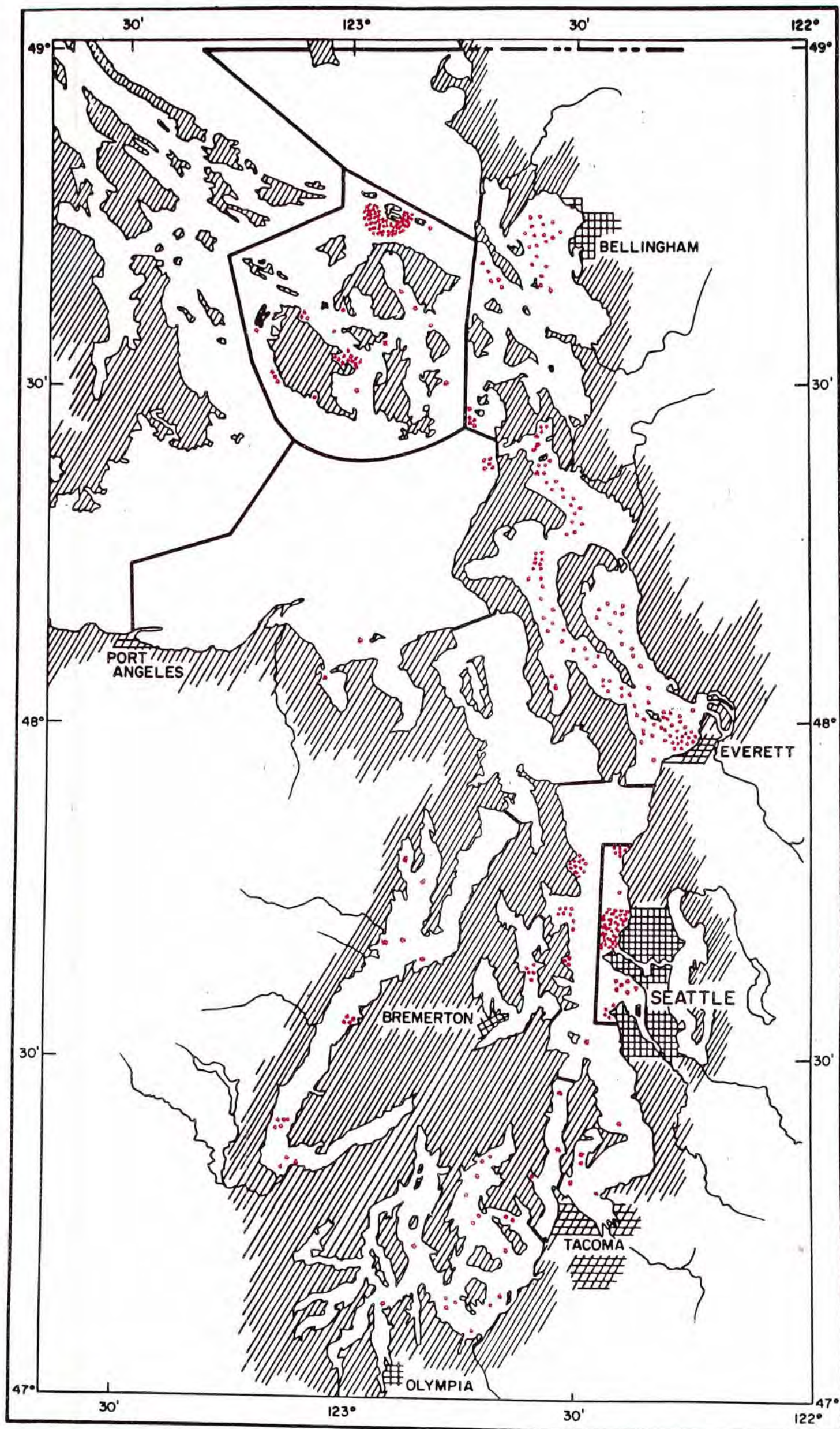


Sebastes helvomaculatus

Scorpaenidae

Miscellaneous Logs

1-SJ (off west side of Henry
Island): Gary Thomas, personal
communication, mid-summer, 1975.



Sebastes maliger

Scorpaenidae

Published Records

- 1-SJ: Shelford et al., 1935.
 4-B (Bellingham Bay): Smith, 1936.
 1-HC (Dabob Bay): Smith, 1936.
 1-SS (Hale Pass.): Smith, 1936.
 1-SJ (Upright Channel):
 Smith, 1937.
 5-HC (Hoodsport): Smith, 1937 (one
 also museum 3757).
 3-HC (Skokomish flats; Quilcene Bay;
 Seabeck): Smith, 1937.
 2-HC (Holly): Smith, 1937.
 7-E (Columbia Beach; Langley; Elger
 Bay; Camano; Camano Head;
 Mukilteo; Columbia Beach):
 Smith, 1937.
 4-E (Gedney Island): Smith, 1937.
 2-CS (Quartermaster Harbor; Point
 Brown): Smith, 1937.
 4-SS (Carr Inlet; Anderson Island;
 Dofflemeyer Point; Case Inlet):
 Smith, 1937.
 10+-JF (sport catch):
 Haw and Buckley, 1971.
 10+-SJ (sport catch):
 Haw and Buckley, 1971.
 10+-B (sport catch: Bellingham Bay
 area): Haw and Buckley, 1971.
 50+-E (sport catch: Port Susan, Port
 Gardner and Saratoga Pass.):
 Haw and Buckley, 1971.
 1-SJ (Friday Harbor): Lloyd, 1936.

University of Washington
Museum Collection

- 3-S (Alki Point): 661; 828; 2895.
 1-S (West Seattle): 918.
 1-SJ (near Peavine Pass): 1199.
 1-SJ (near Olga): 1205.
 1-SJ (San Juan Channel): 1240.
 1-SJ (Deer Harbor): 1286.
 2-HC (Holly): 1558; 4467.
 3-PS: 1846; 3115; 12199.
 1-E (Saratoga Pass., Camano Head):
 2552.
 1-E (east of Gedney Island): 2578.
 1-E (Saratoga Pass., off Clinton):
 2722.
 3-S (Elliott Bay):
 2725; 2896; 3102.
 1-SJ (O'Neal Island): 2730.
 1-HC (Brinnon): 2733.
 1-JF (Washington Harbor): 3807.
 1-E (Saratoga Pass.): 4180.
 1-S (south of Richmond Beach):
 4712.
 1-E (Holmes Harbor): 15358.
 1-S (off Golden Gardens):
 5733 (also boat 497E).
 1-SS (west end of Nisqually Reach):
 5827 (also boat 5009I).
 1-E (Snohomish River flats): 2724.

Friday Harbor Laboratory Log

- 1-SJ (False Bay): 7/13/50-2.
 1-SJ (west of James Island):
 7/24/50-4.
 1-SJ (Open Bay): 7/30/50-5.
 1-SJ (east of Puffin Island):
 6/20/50-4.
 1-SJ (night light, Friday Harbor
 Lab): 7/50.
 1-SJ (Friday Harbor): 8/12-13/52.
 3-SJ (Friday Harbor):
 6/21/55-1; 8/60; 7/10/69-1.
 1-SJ (west of Neck Point): 7/31/69.
 1-SJ (off Friday Harbor): 8/22/69.

University of Washington Boat Log

- 1-E (Holmes Harbor, Rocky Point to
 Dines Point): 491Q.
 3-E (training cruise area: east of
 Gedney Island):
 6603C; 6826C; 7213C.
 2-E (training cruise area: Saratoga
 Pass., north of Langley):
 6826D; 7213D.
 6-E (training cruise area: off Penn
 Cove): 6603E; 6815E; 6819E;
 6826E; 7213E; 7307E.
 6-CS (Port Madison): 492B; 5048B;
 5122A,B; 5132D; 5812A.
 1-CS (mouth of Quartermaster
 Harbor): 5042A.
 1-CS (Tramp Harbor): 5104A.
 1-CS (east of Blake Island): 5115I.
 1-CS (off Fay Bainbridge State
 Park): 5805A.
 1-CS (east of Point Monroe): 5805C.
 3-CS (Murden Cove): 6818B; 6812H,I.
 5-PO (off Fletcher Bay):
 5809A; 5901AK; 5904A,B,C.
 29-S (off Golden Gardens to Meadow
 Point): 494B,C,E,F; 496B,C;
 498B; 4910A; 5017C; 5033A; 5039B,
 D; 5110C,D; 5112A,B,C; 5119D,G;
 5126A; 5127A,B; 5129D; 5132A;
 5207H; 5920A; 6010B; 6506A,C.
 12-S (off Meadow Point to Carkeek
 Park): 5020A; 5039C; 5041B;
 5044A; 5110A; 5119A,B; 5203A,B;
 5212C,F; 7120B.
 4-S (beach seine: Golden Gardens to
 Meadow Point):
 5047A; 5129B; 5807A,B.
 1-CP (off Camp Sealath): 5104DD.
 1-CP (off Cove): 5133Q.
 2-SS (Carr Inlet, southwest of Green
 Point): 5037A; 5104T.
 2-SS (Carr Inlet, of Minter Creek to
 Elgin): 5045EE; 5135C.
 1-SS (Carr Inlet, off Glen Cove to
 off Cutts and Raft Islands):
 5045K.
 1-SS (Hale Pass., Arletta to
 Cromwell): 5046B.

Sebastes maliger

Scorpaenidae

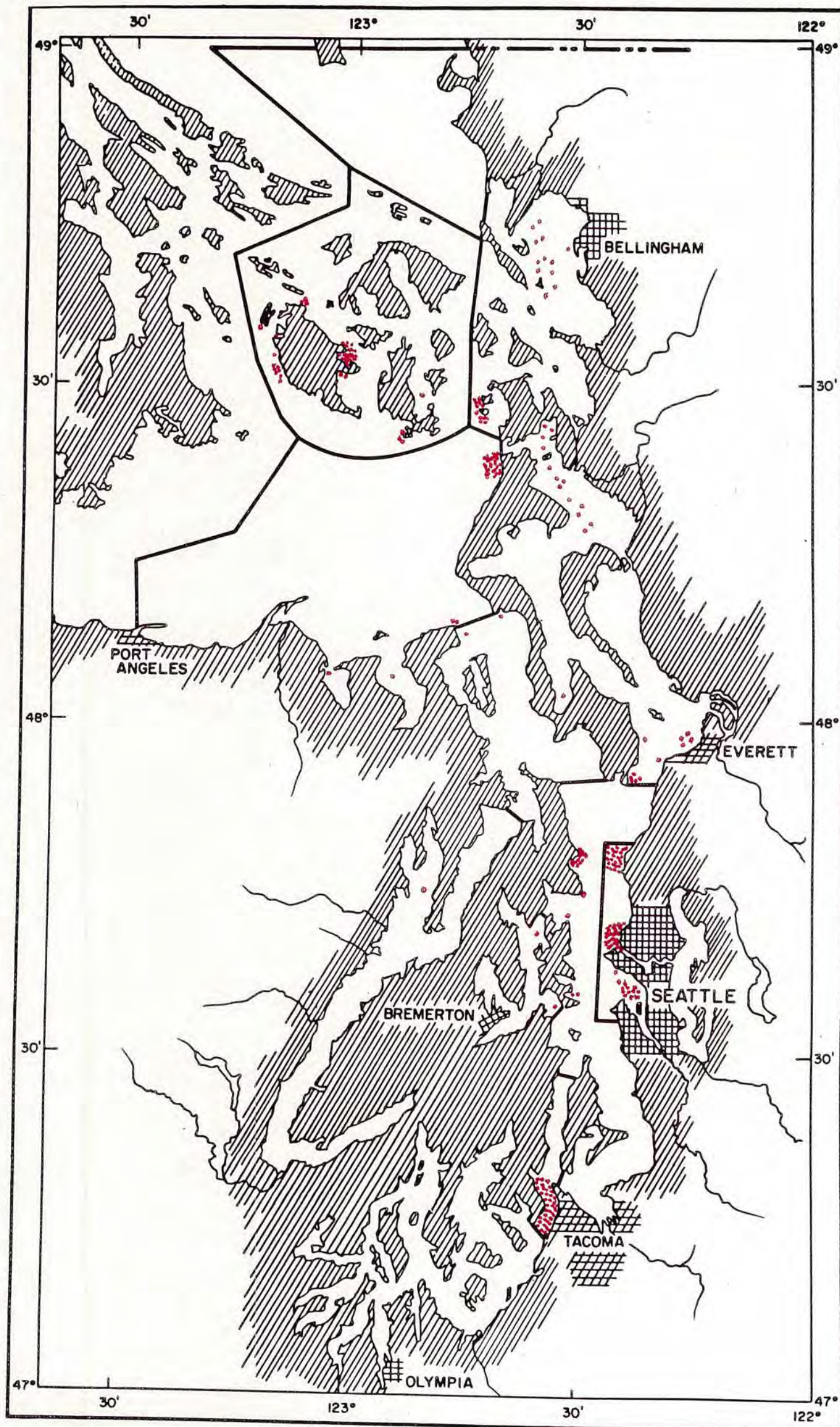
University of Washington Boat Log

- 1-SS (mid-channel, Gibson Point to Gertrude Island): 5046D.
- 2-SS (northwest end of Nisqually Reach): 5126J; 7/20/49-5.
- 1-SS (west of Ketron Island): 5126K.

Miscellaneous Logs

- 2-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
- 5-JF (off West Beach): WSDF, sport fish., 1965-70.
- 15+-E (Skagit Bay and Similk Bay): WSDF, sport fish., 1968-69.
- 3-E (Everett): WSDF, sport fish., 1965-70.
- 3-S (Elliott Bay): WSDF, sport fish., 1965-70.
- 7-SS: WSDF, sport fish., 1965-70.
- 7-SJ: WSDF, sport fish., 1965-70.
- 12+-HC: WSDF, sport fish., 1968.
- 5-B (west of Lummi Island): WSDF, commercial catch comp., 1969-70.
- 50+-SJ (sport catch: Sucia Island): Allyn Johnson, personal communication, 1972.
- 1-HC (off Dabob Bay): NMFS, Cobb-68.
- 1-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 1-JF (west of Protection Island): NMFS, Cobb, 2/28/73.
- 1-CP (Gig Harbor): Sea Grant, 72003 (also boat 7208).
- 1-E (east to northeast of Gedney Island): NMFS, Streeter, 2/21/73.
- 1-SJ (sport catch: West Bank, south of Sucia Island): Allyn Johnson, personal communication, 5/4/73.
- 1-SS (off Nisqually flats): Sea Grant, 1973.
- 1-HC (off Union): Sea Grant, 1973.
- 1-HC (mid-channel, off Skokomish delta): Sea Grant, 1973.
- 8-S (Edmonds breakwater): Doug Olander, Sport Catch Log, 1972-73.
- 20-CS (in Appletree Cove): Doug Olander, Sport Catch Log, 1972-73.
- 1-CS (Vashon Island, Neill Point to Point Dalco): Doug Olander, Sport Catch Log, 1972-73.
- 18-S (wreck, north of Meadow Point): Doug Olander, Sport Catch Log, 1972-73.
- 11-SJ (near Turn Island): Doug Olander, Sport Catch Log, 1972-73.
- 3-SJ (near Deadman Bay): Doug Olander, Sport Catch Log, 1972-73.

- 2-SJ (Rocky Bay): Doug Olander, Sport Catch Log, 1972-73.
- 1-B (northwest corner of Allen Island): Steve Borton, Sport Catch, 4/9/74.
- 1-B (north side of Williamson rocks): Steve Borton, Bruce Miller, Sport Catch, 6/11/74.
- 2-B (east side of Dennis Shoal): Steve Borton, L. Moulton, Sport Catch, 7/22/74.
- 1-B (east side of Dennis Shoal): Steve Borton, Sport Catch, 10/19/74.



Sebastes melanops

Scorpaenidae

Published Records

1-PS: Suckley, 1860.
 1-CP (Tacoma): Collins, 1892.
 1-PS: Jordan, 1887.
 1-PS: Jordan and Starks, 1896.
 1-SJ: Starks, 1911.
 1-PS: Kincaid, 1919.
 1-S (Seattle):
 Hubbs and Schultz, 1933.
 1-SJ: Shelford et al., 1935.
 10+-JF (sport catch):
 Haw and Buckley, 1971.
 10+SJ (sport catch):
 Haw and Buckley, 1971.
 10+-B (sport catch):
 Haw and Buckley, 1971.
 10+-CS (sport catch: Kingston
 breakwater):
 Haw and Buckley, 1971.
 10+-S (sport catch: Shilshole and
 Edmonds breakwater):
 Haw and Buckley, 1971.
 50+-CP (sport catch: Tacoma
 Narrows): Haw and Buckley, 1971.
 SJ: MacPhee and Clemens, 1962
 (duplicated by Friday Harbor Lab
 Log records).

University of Washington
Museum Collection

1-SJ (Deadman Bay): 1243.
 2-PS: 1845, 274C.
 1-SJ (Iceberg Point): 2957.
 1-SJ: 3545.
 1-JF (Washington Harbor): 3808.
 1-AI (Port Townsend): 4865.
 1-SJ (Friday Harbor): 11660.
 1-PO (south of Agate Pass.): 15165.
 1-S (Ballard Locks): 5022.

Friday Harbor Laboratory Log

1-SJ (Open Bay): 7/31/50-4.
 2-SJ (Iceberg Point tide pool):
 7/22/52-3; 8/4/55-2.
 15-SJ (Friday Harbor Lab): 8/4/52;
 8/9/52; 6/23-30/60; 7/18/60;
 6/16-21/61; 7/14/69; 7/22/69-1,2;
 8/10/69; 8/13/69-1; 7/15/69-5;
 7/16/69-2; 7/20/69; 7/21/69-1,2.
 2-SJ (Friday Harbor):
 8/60; 7/16/60.
 1-SJ (Argyle Lagcon): 8/11/60.
 1-SJ (Mitchell Bay): 8/16/60-1.
 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (Deadman Bay): 6/22/63.
 1-SJ (Argyle Bay): 7/15/63.
 1-SJ (off Friday Harbor Lab):
 6/24/73.

University of Washington Boat Log

1-E (Holmes Harbor, south of
 Classic): 5501E.
 1-B (training cruise area: southwest
 of Post Point): 7118G.

1-SJ (training cruise area: Lopez
 Sound, southwest of Center
 Island): 7017I.
 1-HC (Dabob Bay): 7102E.

Miscellaneous Logs

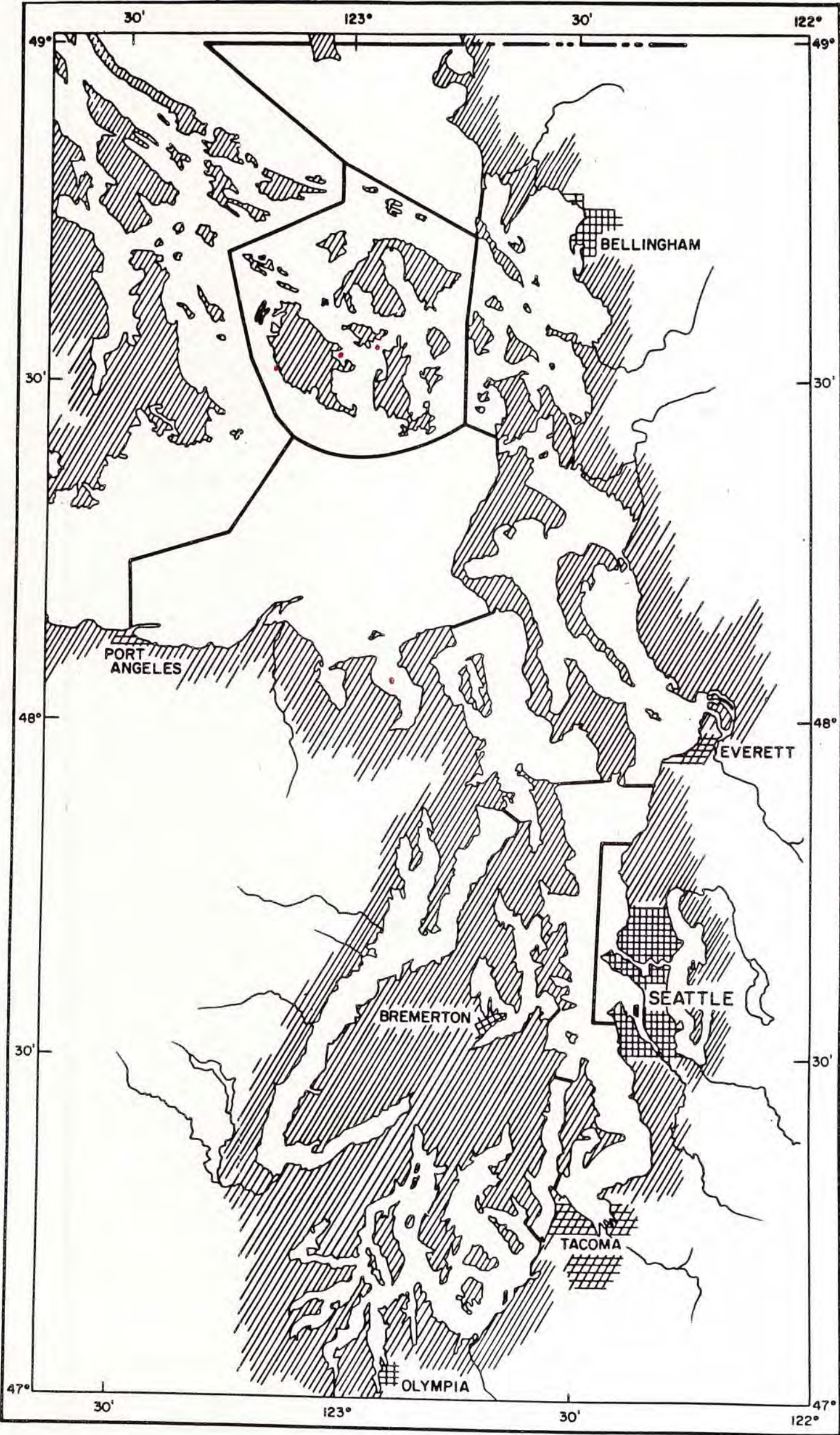
3-S (Seattle): Bill High, personal
 communication, 12/30/66.
 1-S (Edmonds): Bill High, personal
 communication, 12/30/66.
 1-AI (Keystone ferry): Bill High,
 personal communication, 12/30/66.
 1-E (Columbia Beach): Bill High,
 personal communication, 12/30/66.
 1-S (off Shilshole breakwater):
 Phil Grey, personal
 communication, 1964.
 20+-JF (off West Beach):
 WSDF, Sport Fish., 1968-69.
 11+-E (Skagit Bay and Similk Bay):
 WSDF, Sport Fish., 1965-70.
 2-E (Everett):
 WSDF, Sport Fish., 1965-70.
 15+-S (Elliott Bay):
 WSDF, Sport Fish., 1965-70.
 5-SJ: WSDF, Sport Fish., 1965-70.
 10+-HC: WSDF, Sport Fish., 1965-70.
 1-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 1-JF (Discovery Bay): WSDF,
 commercial catch comp., 1966-70.
 8-SJ (Friday Harbor): Bruce Miller,
 Diving Log, 9/5/65; 9/10/65;
 3/25/66; 4/5/66; 6/18/66;
 6/20/66; 7/22/66; 8/21/66.
 3-SJ (Limestone Point):
 Bruce Miller, Diving Log, 9/6/65;
 7/23/66; 7/30/66.
 1-SJ (Edwards Reef, west-central San
 Juan Island): Bruce Miller,
 Diving Log, 8/16/66.
 1-CS (Bainbridge Island, reef on the
 north side): Bruce Miller,
 Diving Log, 6/21/68.
 1-CS (Port Blakely): Bruce Miller,
 Diving Log, 7/12/68.
 1-PO (Port Orchard Rocks): Bruce
 Miller, Diving Log, 7/25/69.
 18-S (sport catch: Edmonds wreck):
 Larry Moulton, 6/25/73.
 1-E (Mukilteo oil dock):
 Doug Olander, Sport Catch Log,
 1972-73.
 5-E (just east of Possession Point):
 Doug Olander, Sport Catch Log,
 1972-73.
 18-S (Edmonds breakwater):
 Doug Olander, Sport Catch Log,
 1972-73.
 1-CS (near Blakely Rock):
 Doug Olander, Sport Catch Log,
 1972-73.
 10-S (north of Meadow Point):
 Doug Olander, Sport Catch Log,
 1972-73.

Sebastes melanops

Scorpaenidae

Miscellaneous Logs

- 3-SJ (near Deadman Bay):
Doug Olander, Sport Catch Log,
1972-73.
- 2-JF (Point Wilson): Bill High,
personal communication, 2/26/74.
- 7-B (southwest edge of Burrows
Island):
Bruce Miller, Diving, 5/7/74.
- 1-B (west side of Allen Island):
Steve Borton, Bruce Miller, Sport
Sport Catch, 6/11/74.
- 5-B (north side of Williamson
rocks): Steve Borton, Bruce
Miller, Sport Catch, 6/11/74.
- 1-CS (Jefferson Head): Bill High,
personal communication, 2/26/74.
- 1-B (beach seine: Bellingham Bay,
north of Eliza Island):
R. Tyler, personal communication,
1/18/74 (also Tyler, 1964).



Sebastes miniatus

Scorpaenidae

Published Records

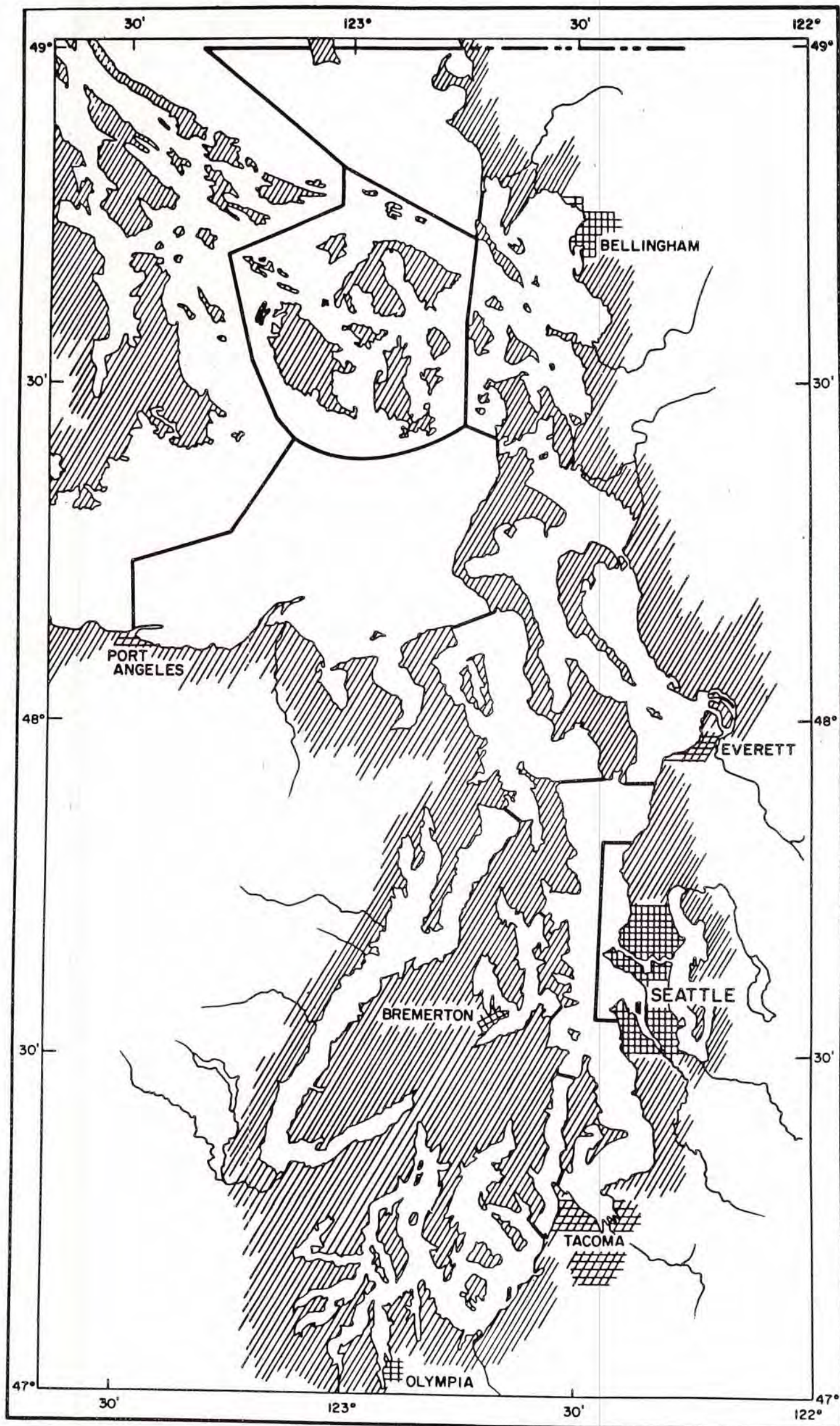
1-JF (Discovery Bay): Smith, 1936
(also museum 3877).

University of Washington
Museum Collection

1-PS: 3227.
1-SJ (Friday Harbor): 11669.
1-SJ (Upright Channel): 11670.

Miscellaneous Logs

1-SJ (Deadman Bay): Mike Huber,
spear fishing, 7/13/75.

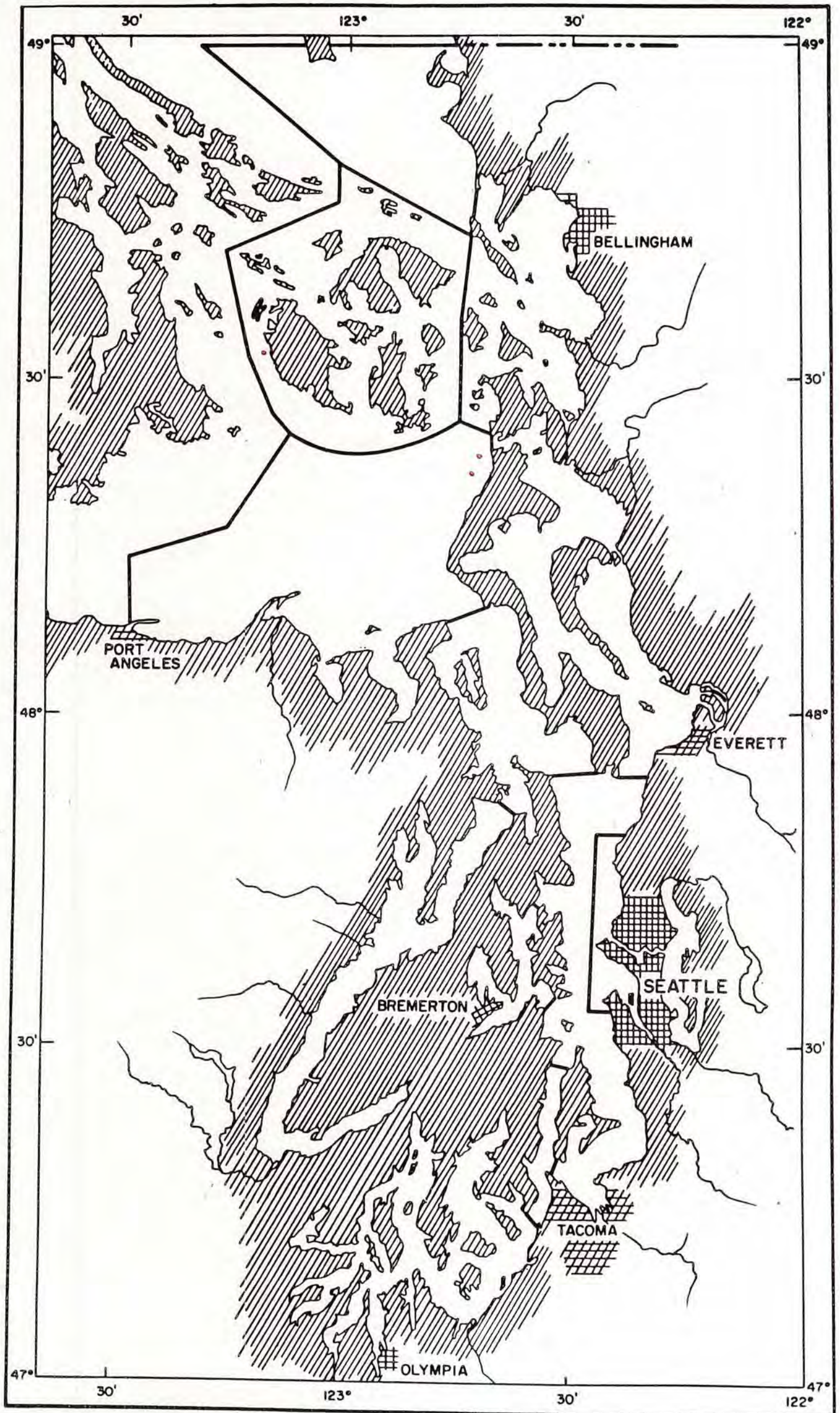


Sebastes mystinus

Scorpaenidae

Published Records

- 1-PS: Jordan and Gilbert, 1881c;
Jordan, 1884.
1-PS: Kincaid, 1919.



Sebastes nebulosus

Scorpaenidae

Published Records

1-PS: Jordan and Gilbert, 1881c,
1882; Jordan and Jouy, 1882;
Jordan, 1884.

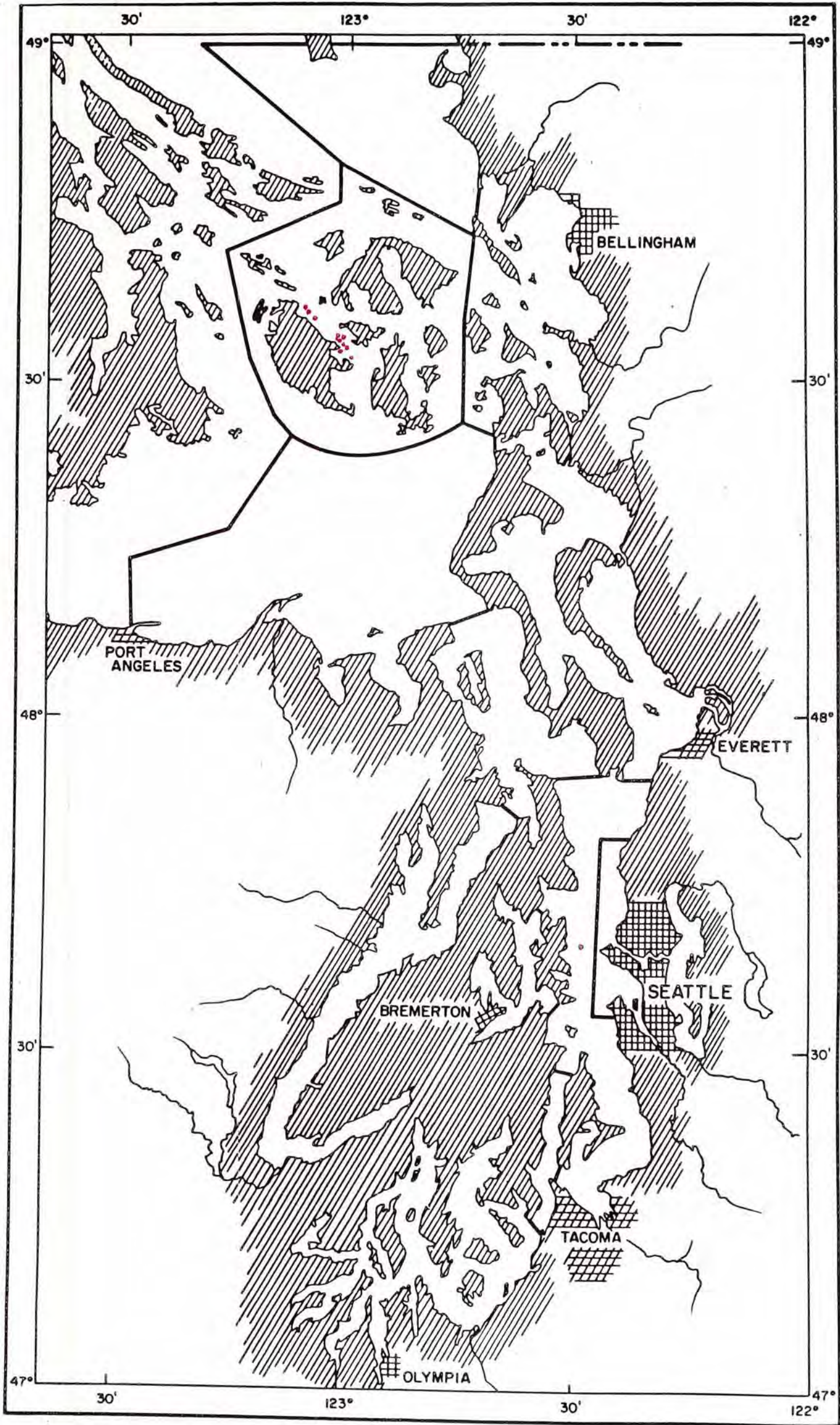
1-PS: Kincaid, 1919.

1-JF (near Whidbey Island):
Acena y Puntanilla, 1942.

Miscellaneous Logs

1-SJ (San Juan County Park):
Bill High, personal
communication, 12/30/66.

1-JF (off West Beach):
WSDF, Sport Fish., 1965-70.



Sebastes nigrocinctus

Scorpaenidae

Published Records

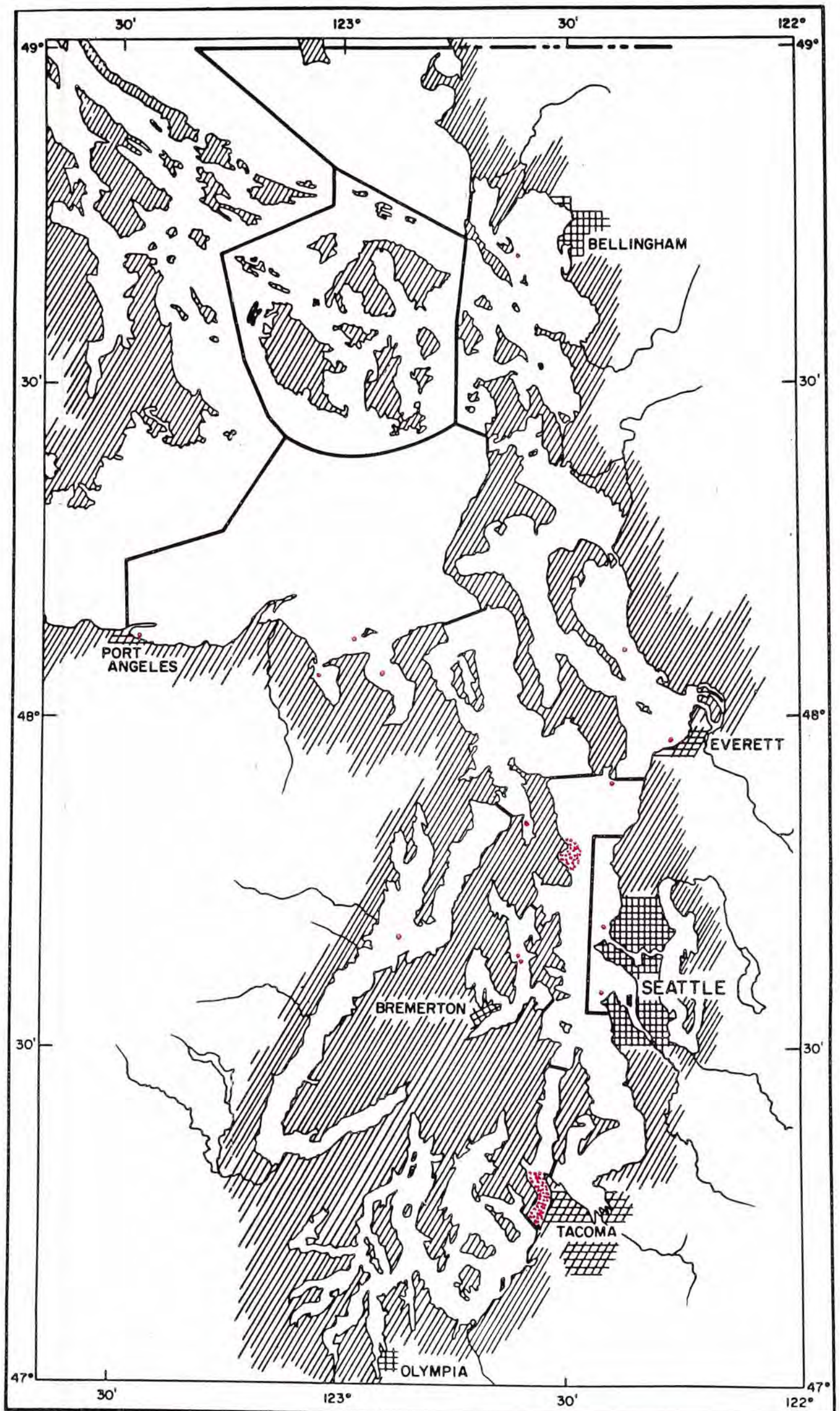
- 1-PS: Jordan and Gilbert, 1881c,
1882; Jordan and Jouy, 1882.
1-SJ: Kincaid, 1919.

University of Washington
Museum Collection

- 1-CS (training cruise area: mid-
channel, Skiff Point to West
Point): 18972 (also boat 6606B).

Miscellaneous Logs

- 3-SJ (San Juan Island, probably near
Rocky Bay): Bill High, personal
communication. Diving, 10/22/63;
5/30/66; 12/26/66.
1-SJ (Friday Harbor): Bruce Miller,
Diving Log, 9/10/65.
1-SJ (Point Caution):
Bruce Miller, Diving Log, 8/66.
6-SJ (Shady Cove area, San Juan
Island): Moulton and Miller,
Diving Log, 1973-74.
1-SJ (east side of Turn Island):
L. Moulton, Diving Log, 1974.



Sebastes paucispinis

Scorpaenidae

Published Records

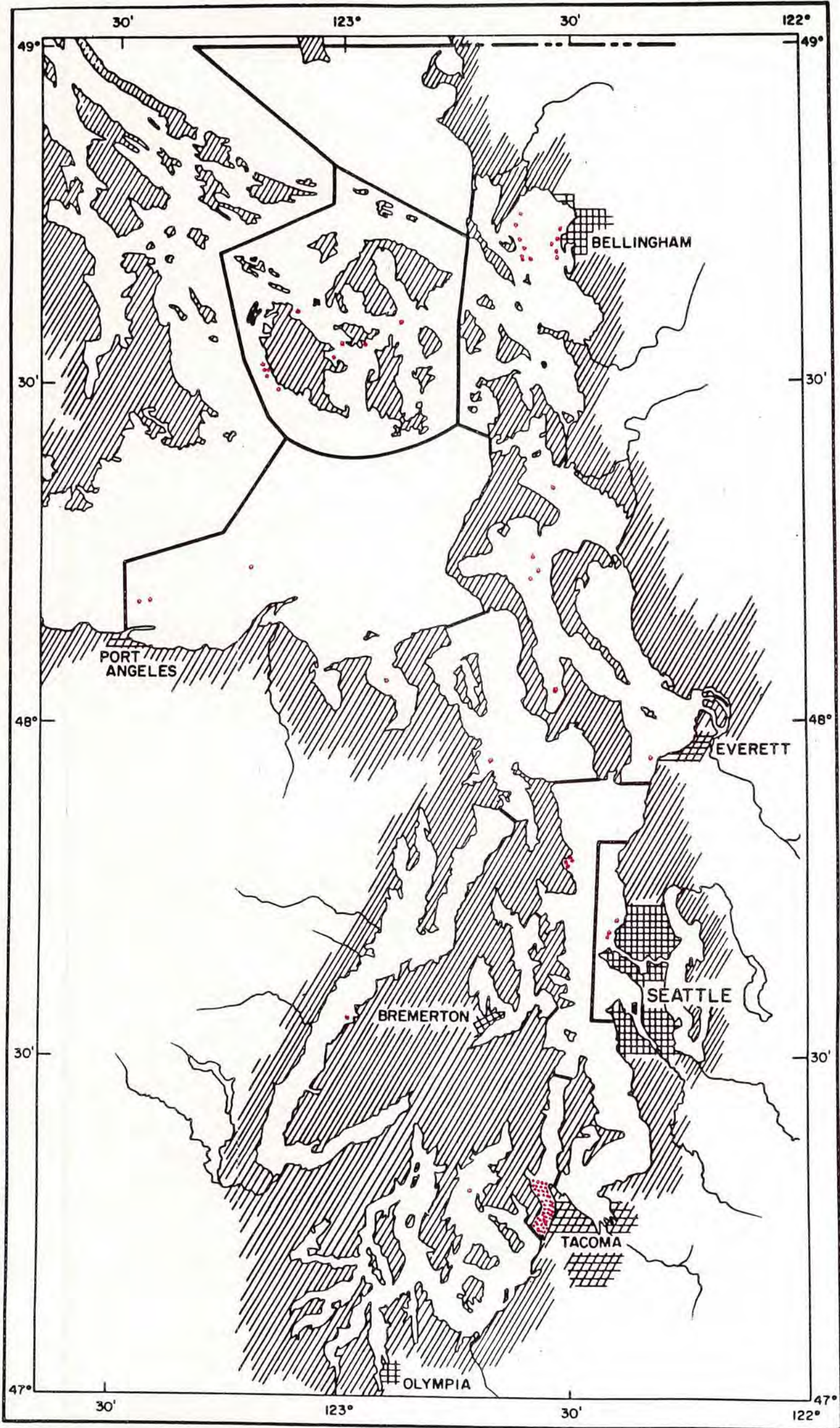
50+-CP (Tacoma Narrows):
Haw and Buckley, 1971.

University of Washington
Museum Collection

1-JF (Washington Harbor): 3875.
1-PS: 5594.
1-S (off Golden Gardens): 14558.
2-PO (off Fletcher Bay):
14580; 14701.
1-S (off Alki Point to Duwamish
Head): 14671.
1-CS (Possession Point): 15483.

Miscellaneous Logs

1-AI (Port Gamble):
Bill High, Diving, 5/6/62.
1-HC: Bill High, Diving, 2/8/60.
1-B (Bellingham Bay): Bill High,
personal communication, 12/9/63.
1-HC: WSDF, Sport Fish., 1965-70.
1-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
1-JF (Discovery Bay): WSDF,
commercial catch comp., 1966-70.
1-E (lower Port Susan):
NMFS, Cobb-78.
1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
48-CS (in Appletree Cove): Doug
Olander, Sport Catch, 1972-73.
1-CS (Appletree Cove): Bill High,
personal communication, 2/26/74.
1-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.



Sebastes pinniger

Scorpaenidae

Published Records

- 1-PS: Jordan and Starks, 1896;
Jordan, 1887.
- 1-AI (north of Tala Point):
Evermann and Goldsborough, 1907.
- 1-PS: Kincaid, 1919.
- 1-JF (Discovery Bay): Smith, 1936
(also museum 3876).
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 10+-JF (sport catch):
Haw and Buckley, 1971.
- 10+-SJ (sport catch):
Haw and Buckley, 1971.
- 10+-B (sport catch):
Haw and Buckley, 1971.
- 50+-CP (sport catch: Tacoma
Narrows): Haw and Buckley, 1971.
- 3-E (north end of Saratoga Pass.):
NMFS, Cobb-91.
- 4-CS (in Appletree Cove):
Doug Olander, Sport Catch Log,
1972-73.
- 1-SJ (Point George): Moulton and
Miller, Diving Log, 1973-74.

University of Washington
Museum Collection

- 1-S (off Golden Gardens): 5844.
- 1-SJ (Friday Harbor): 16196.

Friday Harbor Laboratory Log

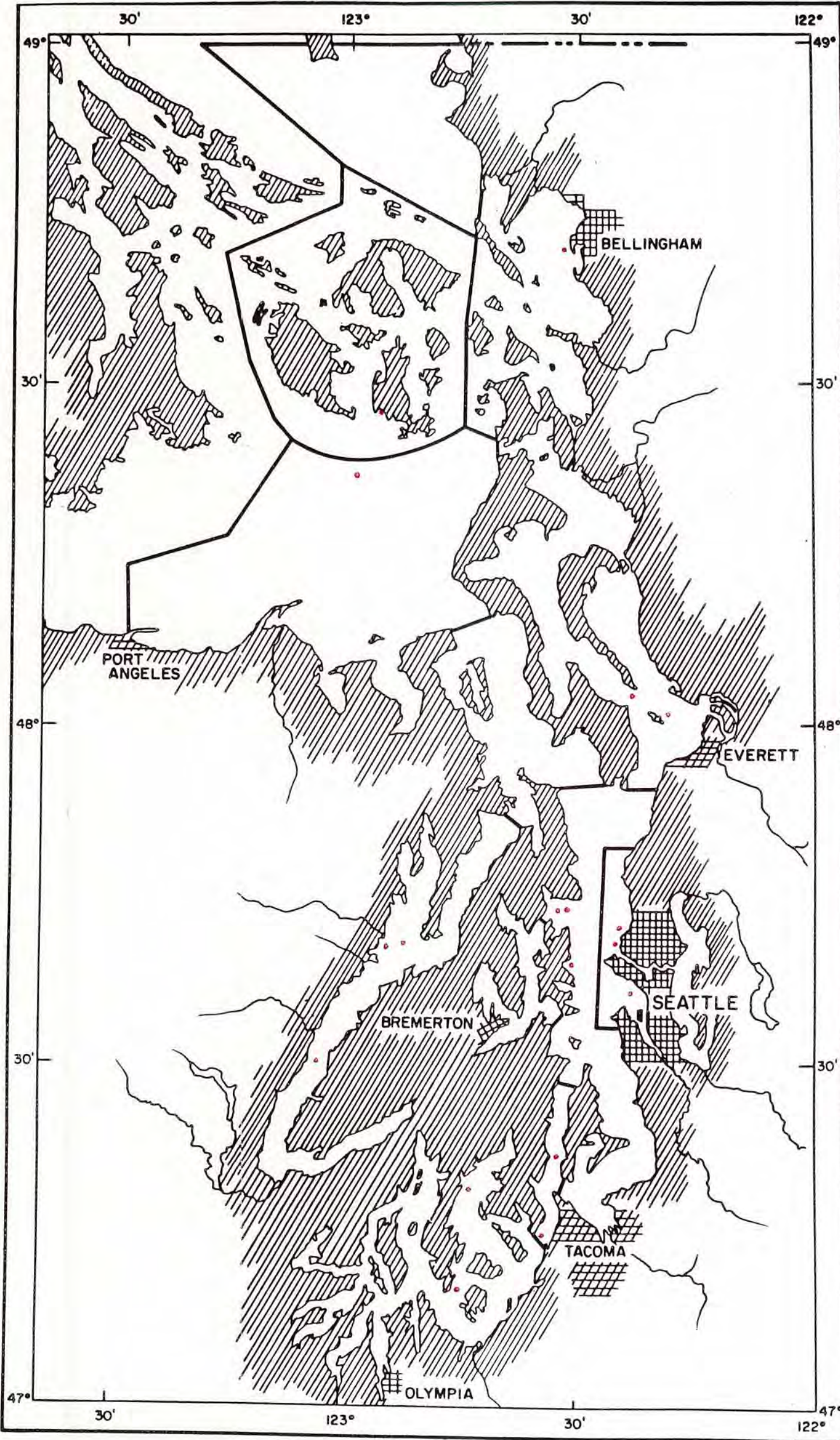
- 1-SJ (off Rocky Bay): 6/30/51-1.
- 1-SJ or JF (Cattle Point to Smith
Island): 6/23/61-1.
- 1-SJ (Squaw Bay): 7/10/61-1.
- 1-SJ (Upright Head to East Sound):
7/10/61-2.
- 1-SJ or JF (McArthur Bank or East
Sound): 6/23/67.

University of Washington Boat Log

- 1-S (off Golden Gardens): 5127A.
- 1-S (off Meadow Point to Carkeek
Park): 5203A.
- 1-SS (mid-channel, Glen Cove to
Green Point, Carr Inlet):
6724B-1.

Miscellaneous Logs

- 1-SJ (Heath's):
Bill High, Diving, 10/22/63.
- 1-E (Mukilteo): Bill High, Diving,
personal communication, 10/22/63.
- 3-SJ (south of Lime Kiln):
Bill High, Diving, personal
communication, 12/30/66.
- 1-E (Skagit or Similk Bay):
WSDF, Sport Fish., 1965-70.
- 13+-HC: WSDF, Sport Fish., 1965-70.
- 1-E (Holmes Harbor): NMFS, Cobb-91.
- 1-JF (northwest of Dungeness Spit):
NMFS, Cobb-92.
- 2-SJ (west side San Juan Island):
Bill High, Diving, personal
communication, 8/2/71.
- 2-JF (north of Ediz Hook):
NMFS, Cobb-25.



Sebastes proriger

Scorpaenidae

Published Records

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

University of Washington
Museum Collection

- 1-SJ (Davis Bay): 2164.
 1-E (Camano Head, Saratoga Pass.):
 2553.
 1-E (east of Gedney Island): 2579.
 1-S (Elliott Bay): 2726.
 1-HC (Brinnon):
 1-S (off Golden Gardens): 15674.
 1-CS (Murden Cove):
 19875 (also boat 6812H or I).

Friday Harbor Laboratory Log

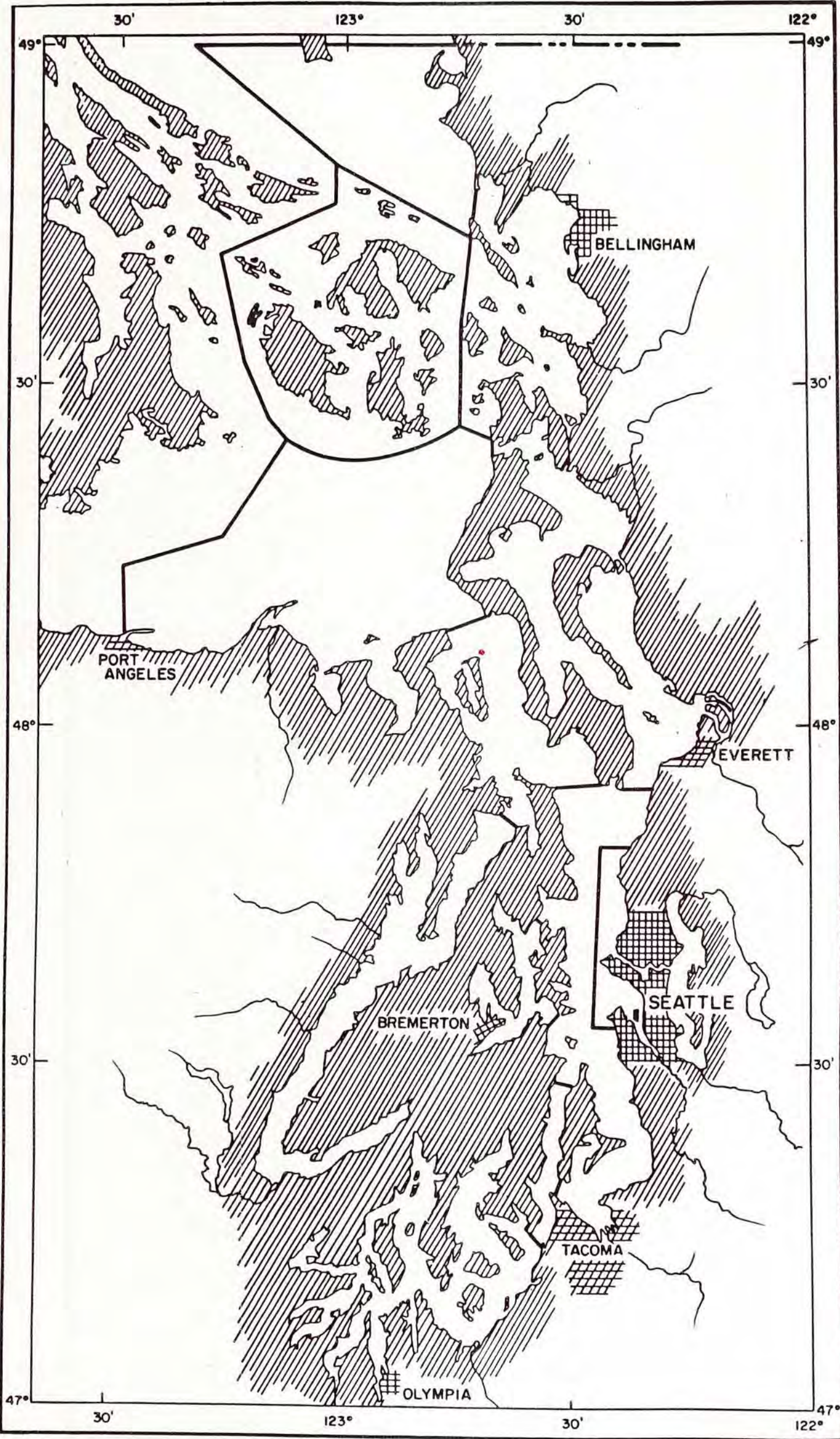
- 1-JF (west of McArthur Bank):
 7/19/63-1).

University of Washington Boat Log

- 1-S (off Meadow Point to Carkeek
 Park): 5203A.
 1-B (training cruise area: southwest
 of Post Point): 6815G.

Miscellaneous Logs

- 7-HC (sport catch):
 WSDF, Sport Fish., 1965-70.
 1-HC (off Dabob Bay):
 NMFS, Cobb-68.
 1-HC (off Ayock Point):
 NMFS, Cobb-68.
 2-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 1-CP (sport catch: south end of
 Tacoma Narrows near Point
 Fosdick): Stu Thornton, 5/15/73.
 1-SS (Drayton Pass.): WSDF,
 Groundfish Trawl Log, 1972.
 1-CP (off Camp Sealth): WSDF,
 Groundfish Trawl Log, 26, 21.
 1-SS (Carr Inlet, off north of Home
 to off between Glen Cove and
 Minter Creek): WSDF, commercial
 catch comp., 2/13/74.

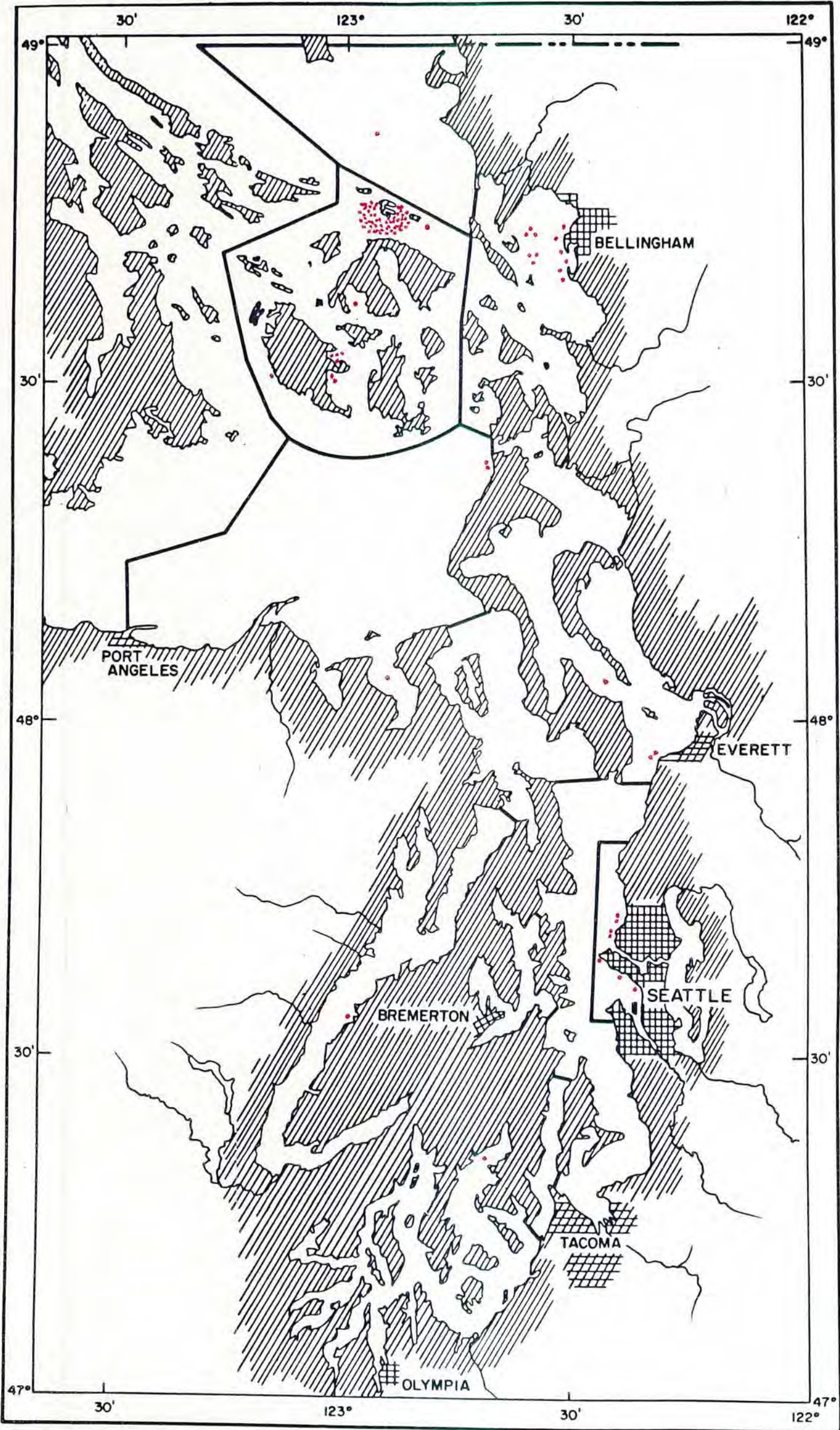


Sebastes rosaceus

Scorpaenidae

Published Records

1-AI (seined, Marrowstone Point):
Evermann and Goldsborough, 1907.



Sebastes ruberrimus

Scorpaenidae

Published Records

- 1-PS: Jordan and Starks, 1896.
- 1-S (Seattle): Jordan, 1884.
- 1-PS: Kincaid, 1919.
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 1-GS: Smith, 1936.
- 1-B (Bellingham Bay): Smith, 1936.
- 10+-SJ (sport catch):
Haw and Buckley, 1971.
- 10+-B (sport catch):
Haw and Buckley, 1971.
- 1-SJ (Friday Harbor):
Kohlruss, 1933.

University of Washington
Museum Collection

- 2-PS: 2728; 5591.
- 1-S (off wharf at Seattle): 2839.
- 1-S (off Carkeek Park): 14414.
- 1-E (Mukilteo): 15183.

Friday Harbor Laboratory Log

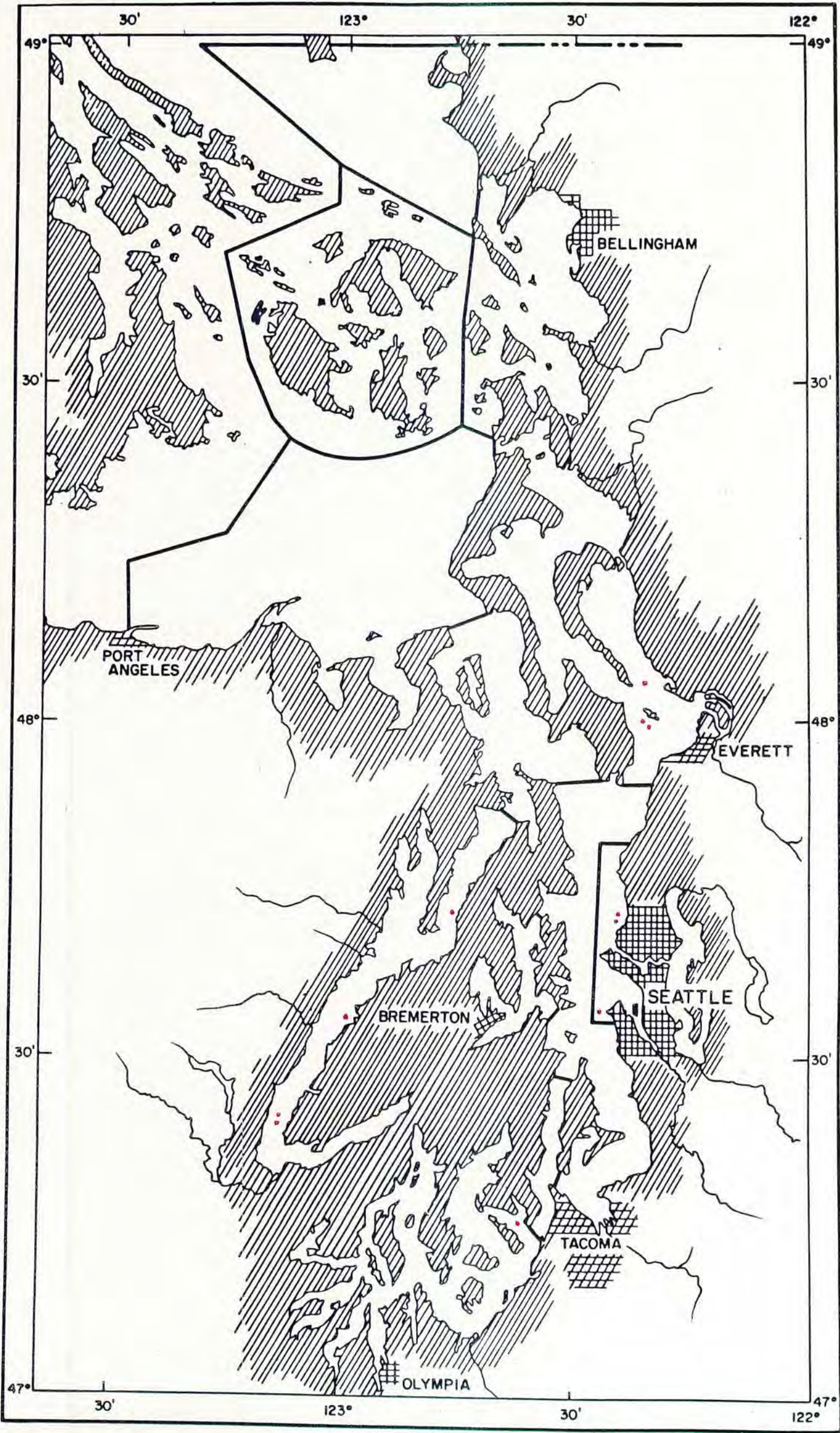
- 1-SJ (east of Puffin Island):
6/20/50-4.
- 1-SJ (West Sound): 7/26/60-2.
- 2-SJ (Argyle Bay):
8/11/60-2; 6/22/61.

University of Washington Boat Log

- 2-S (off Golden Gardens):
5017B; 5112A.
- 1-SS (off Minter Creek): 7/19/49-1.
- 1-S (off Meadow Point to Carkeek
Park): 5203B.
- 1-S (1 mile southwest of West
Point): 6806C.
- 1-E (training cruise area: Saratoga
Pass., north of Langley): 7213D.

Miscellaneous Logs

- 3-SJ (Friday Harbor; Hanna Point;
and San Juan Island):
Bill High, Diving, personal
communication, 10/22/63.
- 1-E (Mukilteo): Bill High, Diving,
personal communication, 10/22/63.
- 1-SJ (south of Lime Kiln):
Bill High, Diving, personal
communication, 12/30/66.
- 1-B (Bellingham Bay): Bill High,
personal communication, 12/9/63.
- 2-JF (off West Beach):
WSDF, Sport Fish., 1965-70.
- 2-SJ: WSDF, Sport Fish., 1965-70.
- 13+-HC: WSDF, Sport Fish., 1965-70.
- 1-JF (Discovery Bay): WSDF,
groundfish trawl, through 1970.
- 50+-SJ (Sucia Island): Allyn
Johnson, Sport Catch, personal
communication, 1972.



Sebastes saxicola

Scorpaenidae

Published Records

- 1-SS (Hale Pass.): Smith, 1936.
1-HC (Holly): Smith, 1937.
2-E (Gedney Island): Smith, 1937.

University of Washington
Museum Collection

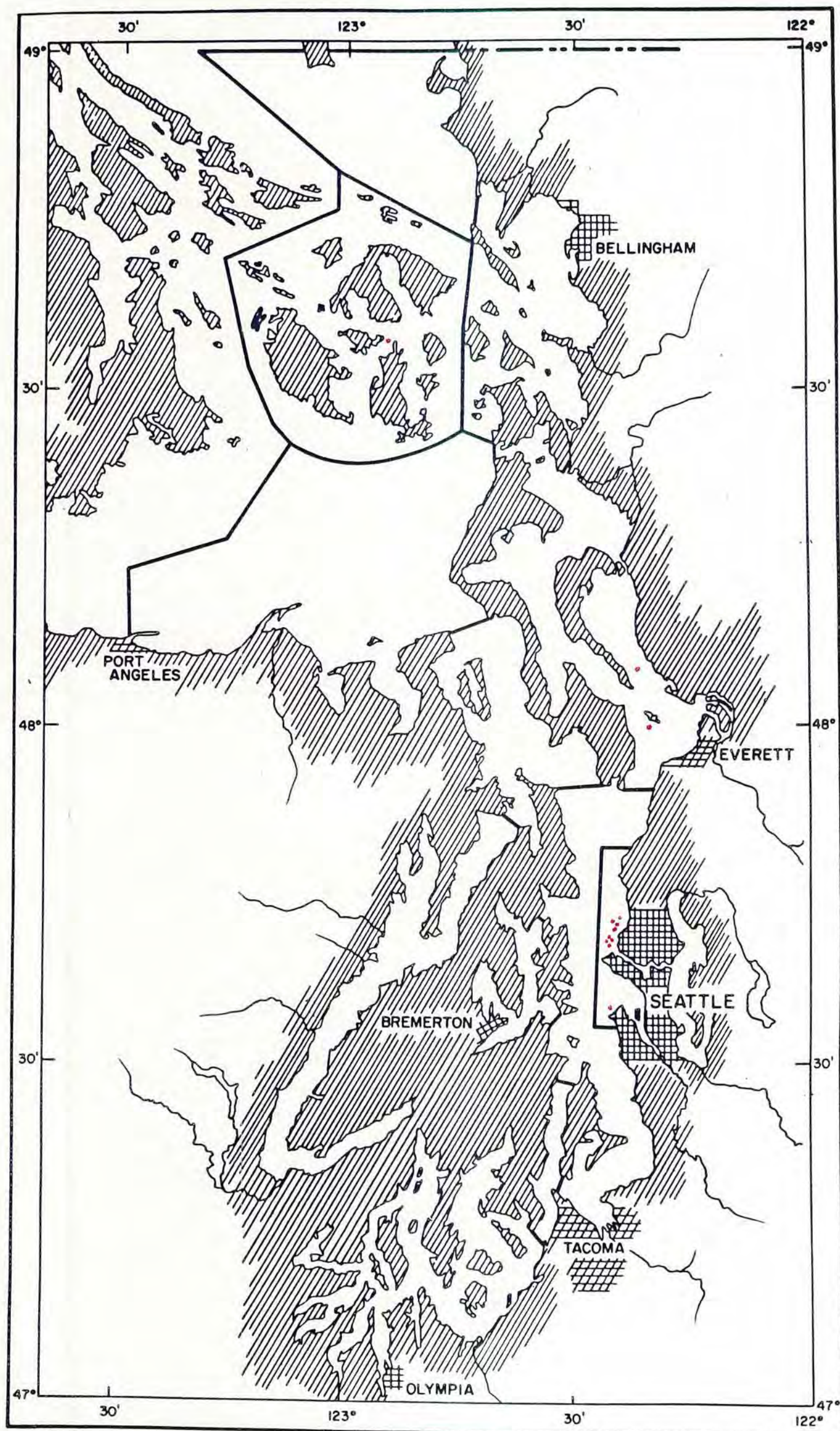
- 2-HC (off Hoodspoint): 3753; 3759.
1-E (Camano Island and mainland):
4015.
1-S (Alki Point): 4505.

University of Washington Boat Log

- 2-S (off Carkeek Park):
5041B; 5020A.

Miscellaneous Logs

- 1-HC (otter trawl: 75 to 85-foot
depth, Carlson Point to King
Spit): Sea Grant, 73039.



Sebastes zacentrus

Scorpaenidae

Published Records

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

University of Washington
Museum Collection

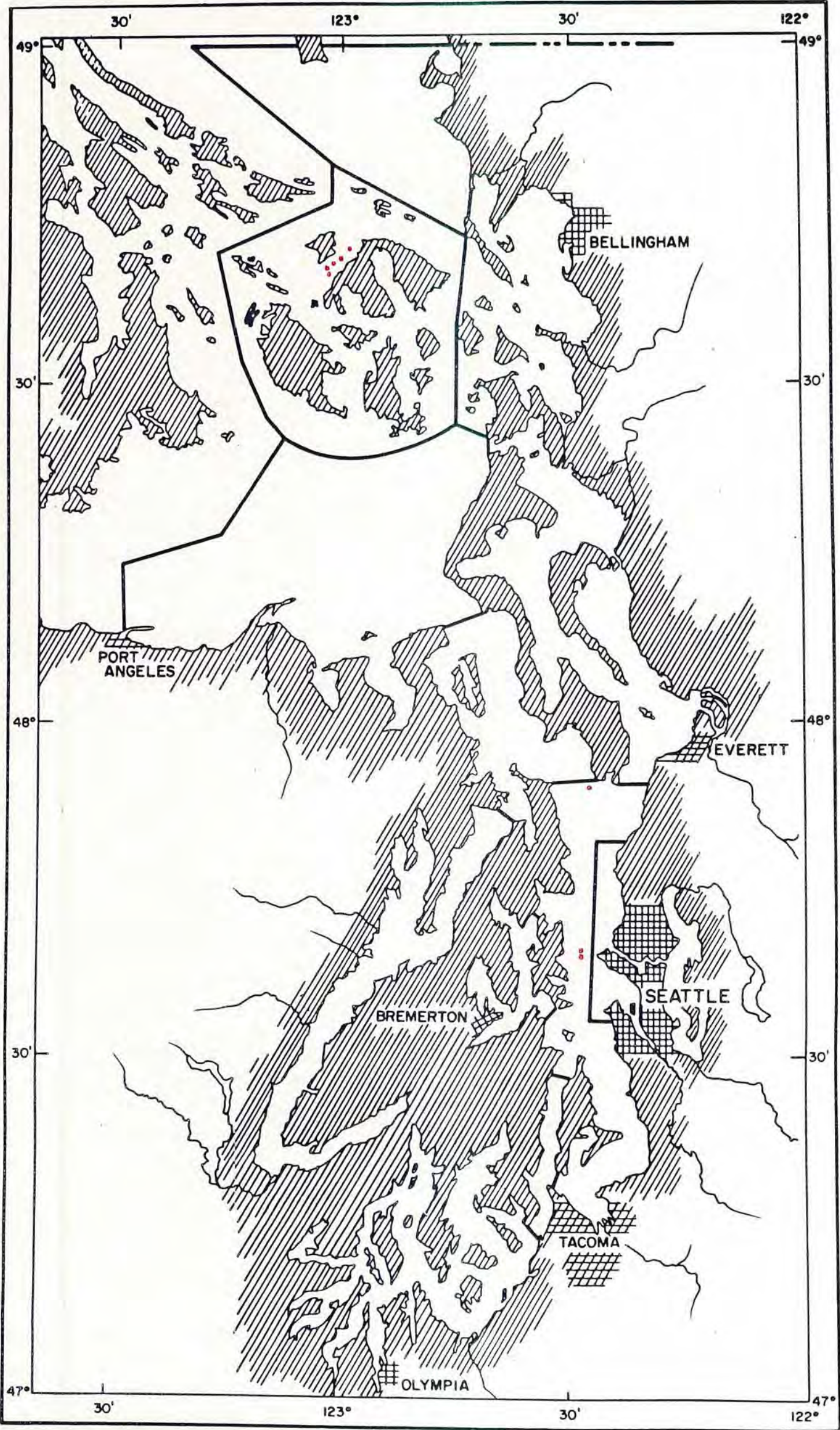
- 1-S (Golden Gardens): 6150.
1-S (off Golden Gardens):
14447 (also boat 496B).
1-S (off Duwamish Head to Alki
Point): 14672.
1-E (Gedney Island): 14418.
1-E (off Spee-Bi-Dah, Port Susan):
15166.
1-S (off Carkeek Park): 14396.

Friday Harbor Laboratory Log

- 1-SJ (north part of Upright
Channel): 6/19/50-1.

University of Washington Boat Log

- 2-S (off Golden Gardens):
5008C; 5033A.
2-S (off Carkeek Park):
5110A; 5020A.
1-S (off Meadow Point to Carkeek
Park): 5203A.



Sebastolobus alascanus

Scorpaenidae

University of Washington
Museum Collection

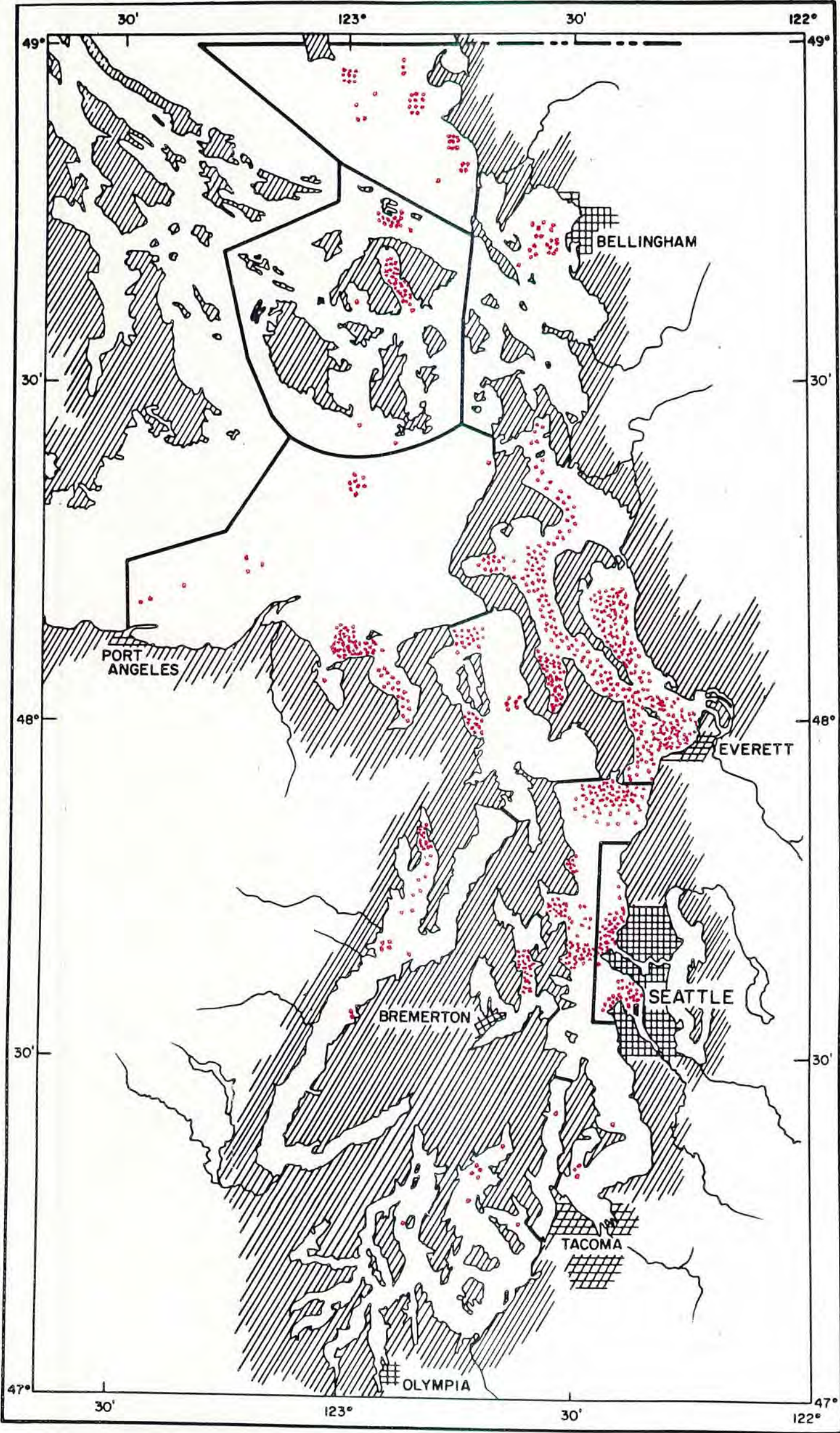
- 1-CS (Possession Point to Point No Point): 5572.
4-SJ (President Channel):
11671; 11743; 11744 (also Friday Harbor Log, 7/14/52-6); 16703.
1-CS (training cruise area: mid-channel, Skiff Point to West Point): 19501 (also boat 6606B).

Friday Harbor Laboratory Log

- 1-SJ (President Channel, southeast of Point Disney): 8/25/55-1.

University of Washington Boat Log

- 1-CS (training cruise area: mid-channel, Skiff Point to West Point): 6819B.



Anoplopoma fimbria

Anoplopomatidae

Published Records

- 1-S (Seattle, fishing from the wharfs):
Jordan and Gilbert, 1882.
- 1-GS: Smith, 1936.
- 1-B (Bellingham Bay): Smith, 1936.
- 1-E (Coupeville): Smith, 1936.
- 1-JF (Sequim Bay): Smith, 1936.
- 1-SS (Hale Pass.): Smith, 1936.
- 3-JF (mid-channel, northwest of Dungeness Spit): Greenwood, 1957 (also NMFS, Cobb-25).
- 1-E (Port Gardner Bay): Salo, 1969.
- 1-E (Skagit Bay): Salo, 1969.
- 50+-E (Port Gardner, Port Susan and Saratoga Pass.):
Haw and Buckley, 1971.
- 50+-CS (especially the Possession Bar area):
Haw and Buckley, 1971.

University of Washington
Museum Collection

- 1-PS: 194.
- 1-SJ (West Sound): 2252.
- 1-E (Holmes Harbor, off Dines Point): 6146.
- 1-S (off Carkeek Park):
7878 (also boat 5211B).
- 1-S (off Ballard): 14384.
- 1-CS (off Point Monroe):
14400 (also boat 5805C).
- 1-SJ (East Sound): 17071 (also Friday Harbor Log, 6/20/63).
- 3-JF (west of McArthur Bank):
17695 (also Friday Harbor Log, 6313); 17696 (also Friday Harbor Log, 6315); 18388 (also Friday Harbor Log, 7/18/63-1).

Friday Harbor Laboratory Log

- 3-SJ (East Sound):
6/28/51-2; 7/6/60-2; 8/13/60-1.
- 5-JF (west of McArthur Bank):
7/12/51-1; 7/7/52-1; 8/3/55-1 (also boat 5520A); 7/19/63-1; 7/8/69-1.
- 1-B (off Reil Harbor, Lummi Island):
7/26/51-1.
- 2-B (Bellingham Bay):
7/26/51-2; 6/22/55.
- 1-SJ (south part of East Sound):
6/20/50-2 (also boat 5033I).
- 1-SJ (Lopez Sound and East Sound):
7/1/52.
- 1-SJ (Orcas Island to Matia Island):
7/14/52-3.
- 1-SJ (East Sound or West Sound):
7/25/55.
- 1-JF or SJ (Cattle Point to Smith Island): 6/28/61-1.
- 1-SJ (south of Lopez Island):
6/27/63-A.

- 5-SJ (mid East Sound): 1/17/64;
2/21/64; 4/3/64; 6/5/64; 7/11/64.

University of Washington Boat Log

- 1-JF (Discovery Bay): 5318A.
- 9-SJ (training cruise area: East Sound, north of Rosario Point):
6603H; 6614H; 6620H; 6717H;
6815H; 6819H; 6908H; 6914H;
7118H.
- 1-SJ (southeast of Cattle Point):
5520B.
- 7-B (training cruise area: southwest of Post Point):
6717G; 6815G; 6826G; 6614G;
6630G; 6908G; 7010G.
- 1-B (Bellingham Bay): 6822G.
- 1-E (off Spee-Bi-Dah): 5023D.
- 2-E (Penn Cove mouth, off Long Point to off Snatelum Point):
5213A; 5220E.
- 3-E (Penn Cove, off Coupeville to off Lovejoy Point):
5213B,C; 5316I.
- 9-E (Holmes Harbor, Rocky Point to Dines Point): 5220D; 5307C,K,L,
R,S; 5312H,I; 5327C.
- 23-E (Holmes Harbor, south of Classic):
5234E; 5307E,F,G,P,T,U; 5312B,C,
D,E,N; 5316D,E,M; 5321Y; 5501A,C,
E,F; 5611B; 5810E; 5305G.
- 9-E (Holmes Harbor, Dines Point to Classic): 5305C; 5312F; 5316A,C;
5405G,H; 5501D; 5712E,F.
- 32-E (Holmes Harbor): 5305F,H,I,J,
K; 5325A,C; 5327A,B; 5405A,B,C,D,
F; 5418A,B,C,D; 5420A,B,C; 5522D;
5604D,F,G; 56130,Q,R; 5614D,F;
5810A; 6821.5E.
- 3-E (Saratoga Pass., Snatelum Point to Onamac Point):
5316K; 5330F; 5418H.
- 1-E (Penn Cove, Lovejoy Point to Long Point): 5321B.
- 4-E (Penn Cove):
5405K; 5420G; 5522G; 5613U.
- 2-E (Saratoga Pass., Onamac Point to Indian Beach): 5405L,N.
- 1-E (Saratoga Pass., Cama Beach to Lowell Point): 5712D.
- 2-E (Port Susan): 6821.5A,C.
- 1-E (near Penn Cove): 6822E.
- 1-E (Port Susan, north of Kayak Point to Tulalip): 7112.
- 1-E (south part of Saratoga Pass.):
6722X.
- 1-E (north part of Saratoga Pass.):
6821.5B.
- 1-E (Saratoga Pass.): 6821.5D.
- 3-E (training cruise area: Saratoga Pass., north of Langley):
6512D; 6815D; 7110D.

*Anoplopoma fimbria**Anoplopomatidae*University of Washington Boat Log

- 9-E (training cruise area: off Penn Cove): 6614E; 6717E; 6815E; 6819E; 6826E; 6908E; 7118E; 7213E; 7307E.
- 4-E (training cruise area: east of Gedney Island): 6620C; 6815C; 6826C; 7010C.
- 1-E (off Mission Beach): 7204C.
- 8-HC (Dabob Bay): 6105A; 6202F; 7205I; 7102B, J or I, K, Q; 7112.
- 16-HC (Dabob Bay, Broad Spit to Long Spit): 6724A; 6828A; 6902A, B, E, F; 6629B; 6804A, B, G; 7003B, C, A; 7303B, C, D.
- 4-HC (off Pleasant Harbor): 6828E; 6902L; 7003J, I.
- 1-HC (west of Seabeck Bay): 6902J.
- 2-HC (Anderson Cove): 7009A, C.
- 1-CS (off Port Madison): 5043C.
- 1-CS (Tramp Harbor): 5104A.
- 2-CS (mouth of Quartermaster Harbor): 5104B; 5115H.
- 4-CS (Port Madison): 5132D; 5812A; 5924A; 7011C.
- 2-CS (off Agate Pass.): 5310.2F; 5317C.
- 3-CS (mid-channel, Meadow Point to Port Madison): 5516A; 5709B; 5911B.
- 2-CS (east of Point Monroe): 5813B, C.
- 18-CS (training cruise area: mid-channel, Skiff Point to West Point): 6507B8; 6603B; 6605B; 6607B; 6611B; 6614B; 6620B; 6626B; 6627B; 6819B; 6908B; 7017B, Z; 7110B; 7118B; 7307B; 7308B; 7313B.
- 27-CS (Murdan Cove): 6610C; 6705; 6706B; 6710A, B2, C2; 6713G, H; 6806B; 6809A; 6812E; 6818B; 6821.5G, H, I; 6823-1; 6906D, E; 6912; 7008A, B; 7016C, H; 7108A, B, C, D.
- 1-CS (Vashon Island, off Sylvan Beach): 6703A.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 1-CS (off West Point): 7017Y.
- 3-PO (off south of Fletcher Bay): 5413B, C, D.
- 8-PO (most off Fletcher Bay): 6214; 6312.5; 6407.2; 7020; 6821.5F; 7011E; 6916H; 7104-1.
- 26-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5317B; 5413A; 5421; 5523A; 5615A, D; 5709C; 5809A; 5901A1; 5904A, B; 5915B; 5923A; 6016B1; 6100; 6101C; 6109B; 6111A; 6205D2, D3; 6317; 6425-1A, 2A; 6427A, B; 6311.5.
- 1-PO (Brownsville to Point White): 6806A.

- 1-AI (Oak Bay, north of Olele Point): 5009C.
- 1-AI (training cruise area: east of north Marrowstone Island): 6603J.
- 21-S (off Golden Gardens to Meadow Point): 496B; 4910A; 5017C; 5029A; 5033A; 5034E; 5112C; 5119G; 5127A; 5210A, C; 5314A; 5329C; 5408B; 5516C; 5907D; 5920F; 6114A; 6311A, E, F.
- 2-S (off Alki Point to Duwamish Head): 5603A; 5802JJ.
- 11-S (off Meadow Point to Carkeek Park): 5211C; 5212B, C, D, E, F; 5915C, D; 6414D; 6510B; 7120A.
- 1-S (off north of Carkeek Park): 6206C.
- 1-S (off West Point sewer outfall): 6718-6.
- 1-S (1 mile southwest of West Point): 6806C.
- 1-S (south of Richmond Beach): 6608A.
- 1-S (beach seine: Piper Creek): 6510D.
- 1-S (Meadow Point to Richmond Beach): 6429B.
- 4-SS (Carr Inlet, off Minter Creek to Glen Cove to off Cutts and Raft Islands): 5101B; 5104Y; 5115F; 5126F.
- 1-SS (Carr Inlet, off Wauna): 5104G.
- 1-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B.
- 1-SS (Case Inlet, Herron Island): 5126H.

Miscellaneous Logs

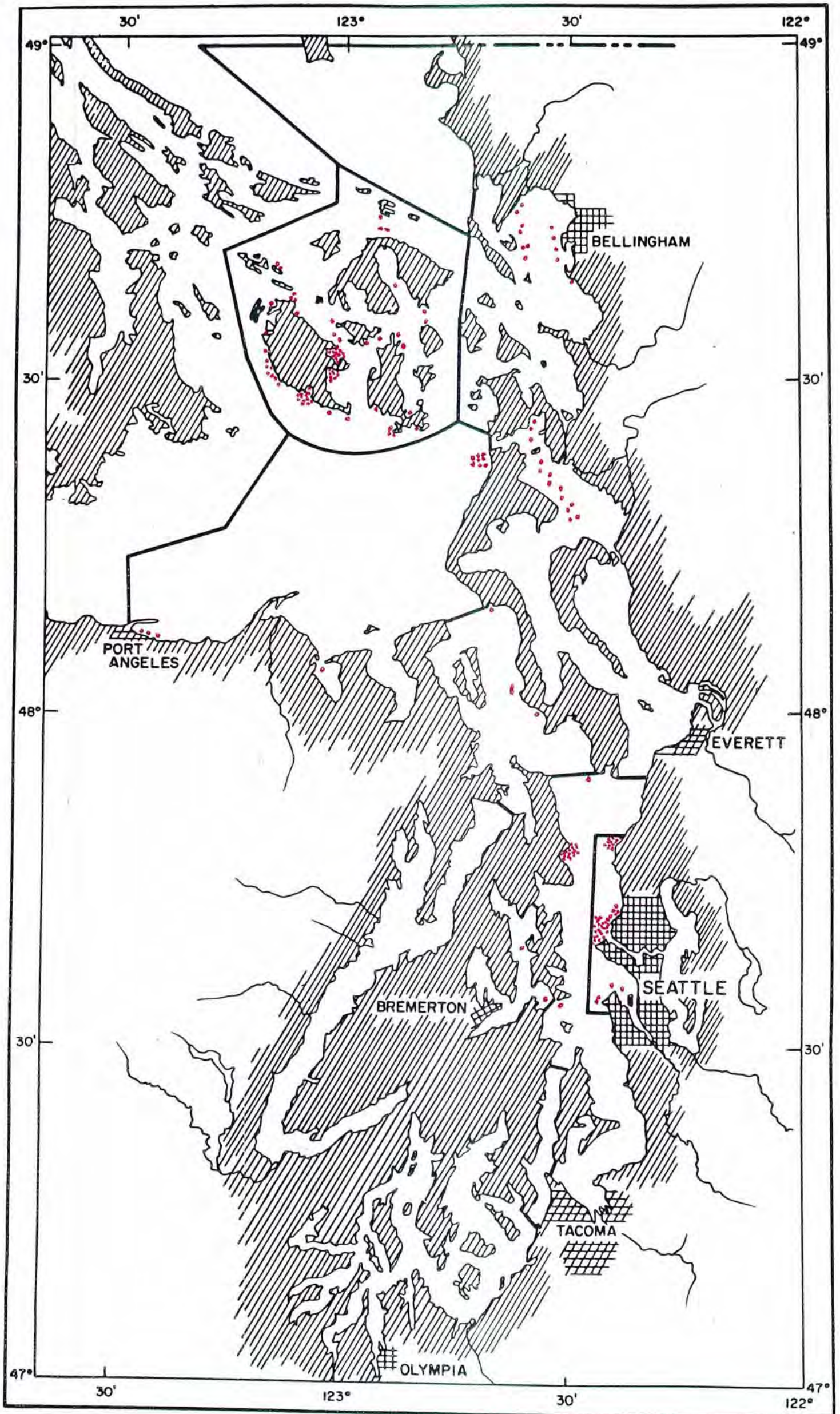
- 1-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
- 1-AI: Bill High, personal communication, 12/9/63.
- 1-JF (Discovery Bay): Bill High, personal communication, 12/9/63.
- 2-HC (upper Hood Canal, lower Hood Canal): Bill High, personal communication, 12/30/66.
- 1-JF (off West Beach): WSDF, Sport Fish., 1965-70.
- 21+-E (Skagit Bay and Similk Bay): WSDF, Sport Fish., 1969.
- 19+-E (Everett): WSDF, Sport Fish., 1968.
- 6-AI (off Bush Point): WSDF, Sport Fish., 1969.
- 17+-S (Elliott Bay): WSDF, Sport Fish., 1968.
- 12+-HC: WSDF, Sport Fish., 1968.
- 5-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
- 19-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.

Anoplopoma fimbria

Anoplopomatidae

Miscellaneous Logs

- 5-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 1-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 3-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 5-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-E (off Demock Point to Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 3-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 2-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 1-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 23-JF (Protection Island): WSDF, groundfish trawl, through 1970.
- 16-JF (Discovery Bay): WSDF, groundfish trawl, through 1970.
- 1-CP (Olalla and south): WSDF, groundfish trawl, through 1970.
- 2-AI (Port Townsend): WSDF, groundfish trawl, through 1970.
- 13-AI (Oak Bay): WSDF, groundfish trawl, through 1970.
- 8-B (Bellingham Bay): WSDF, groundfish trawl, through 1970.
- 17-AI (east of Port Townsend):
NMFS, Cobb-35.
- 4-JF (west of Protection Island):
NMFS, Cobb-35.
- 1-JF (Protection Island to Discovery Bay): NMFS, Cobb-35.
- 1-PO (south of Fletcher Bay):
NMFS, Cobb-35.
- 1-JF (mid-channel, north of Morse Creek): NMFS, Cobb-90.
- 2-S (north of Meadow Point):
NMFS, Cobb-91.
- 1-E (north end of Saratoga Pass.):
NMFS, Cobb-91.
- 4-E (Holmes Harbor): NMFS, Cobb-91.
- 1-E (Everett Harbor):
NMFS, Cobb, 1/20/61.
- 14-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 5-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 3-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-E (Penn Cove):
Van Cleve, trap, 1961-65.
- 2-JF (north of Ediz Hook):
NMFS, Cobb-25.
- 3-GS (tow area 1: mouth of Boundary Bay):
WSDF, Gulf Georgia, 1969-71.
- 11-GS (tow area 2: off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 9-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.
- 1-GS (tow area 5: north of Alden Bank):
WSDF, Gulf Georgia, 1969-71.
- 9-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.
- 1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.
- 20-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 7-CS (in Appletree Cove): Doug Olander, Sport Catch Log, 1972-73.
- 1-S (Carkeek Park): Ed Holmberg, personal communication, 1964.
- 10+-SJ (Sucia Island): Allyn Johnson, Sport Catch, 1972.



Hexagrammos decagrammus

Hexagrammidae

Published Records

- 1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-SJ: Shelford et al., 1935.
1-JF (Sequim Bay): Smith, 1936.
1+-B (Bellingham Bay, north of Eliza
Island): Tyler, 1964.
10+-JF (sport catch):
Haw and Buckley, 1971.
10+-SJ (sport catch):
Haw and Buckley, 1971.
10+-B (sport catch):
Haw and Buckley, 1971.
10+-CS (Kingston breakwater):
Haw and Buckley, 1971.
10+-S (Shilshole and Edmonds
breakwaters):
Haw and Buckley, 1971.
1-SJ (Brown Island):
Kohlruss, 1933.

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Museum Collection

- 1-PS: 198.
1-SJ (Upright Head and Shoal Bay):
673.
1-SJ (Cattle Point): 1018.
1-SJ (Lime Kiln): 1022.
3-SJ (Friday Harbor):
1050; 1053; 1301.
2-SJ (2 miles south of Lime Kiln):
1061; 1063.
2-SJ (Kanaka Bay): 1071; 1245.
1-SJ (Peavine Pass.): 1108.
1-SJ (Davis Bay): 1187.
1-SJ (False Bay): 1272.
2-S (Alki Point): 4226; 4892.
1-CS (Possession Point to Point No
Point): 5571.
1-S (off Golden Gardens):
5743 (also boat 497E).
1-SJ (False Bay reef): 1477.
1-SJ (Brown Island): 2125.
1-SJ (San Juan Island): 11048.
1-SJ (north side Johns Island,
second bay): 14229 (also Friday
Harbor Log, 8/19/52-2).
1-SJ (Iceberg Point tide pool):
15187 (also Friday Harbor Log,
7/22/52-3).
1-SJ (Upright Channel): 17219 (also
Friday Harbor Log, 7/5/63).
1-SJ (point east of Eagle Cove):
17417 (also Friday Harbor Log,
8/5/63).
1-SJ (Deadman Bay): 17955 (also
Friday Harbor Log, 8/2/63).

Friday Harbor Laboratory Log

- 1-SJ (Reef Bay, northeast side Johns
Island): 7/5/51-1.

- 1-SJ (Iceberg Point tide pool):
8/4/55-2.
1-SJ (Squaw Bay): 8/1/55.
1-SJ (Brown Island): 8/2/55.
1-SJ (Mud Bay): 8/15/55-3.
8-SJ (Argyle Bay):
8/16/55-1,2,3,4; 7/5/60;
8/11/60-3; 7/12/61-3; 7/15/63.
2-SJ (outside False Bay):
8/17/55-1,2.
1-SJ (San Juan Island, opposite
Henry Island): 7/31/50-2.
1-SJ (south of Neck Point):
8/14/50-1.
1-SJ (north of Neck Point):
8/14/50-2.
5-SJ (Friday Harbor Lab):
7/17/60; 6/16-21/61; 7/2/69-1;
7/15/69-1; 8/13/69-1.
4-SJ (False Bay): 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 (McArdle Bay): 8/22/60-3.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (San Juan Island): 5/62.
1-SJ (Deadman Bay): 6/22/63.
1-SJ (off Friday Harbor Lab):
6/24/73.

University of Washington Boat Log

- 13-S (off Golden Gardens to Meadow
Point): 495D; 497E; 498A; 5009K;
5014C; 5034B; 5112C; 5119C,H;
5907C,D; 6018A; 6206B.
5-S (beach seine: Golden Gardens to
Meadow Point): 5032.1C; 5807A;
6310; 6508A; 6509A.
3-S (off Meadow Point to Carkeek
Park): 5203A; 5216A,B.
2-S (beach seine: Carkeek Park):
5708A,C.

Miscellaneous Logs

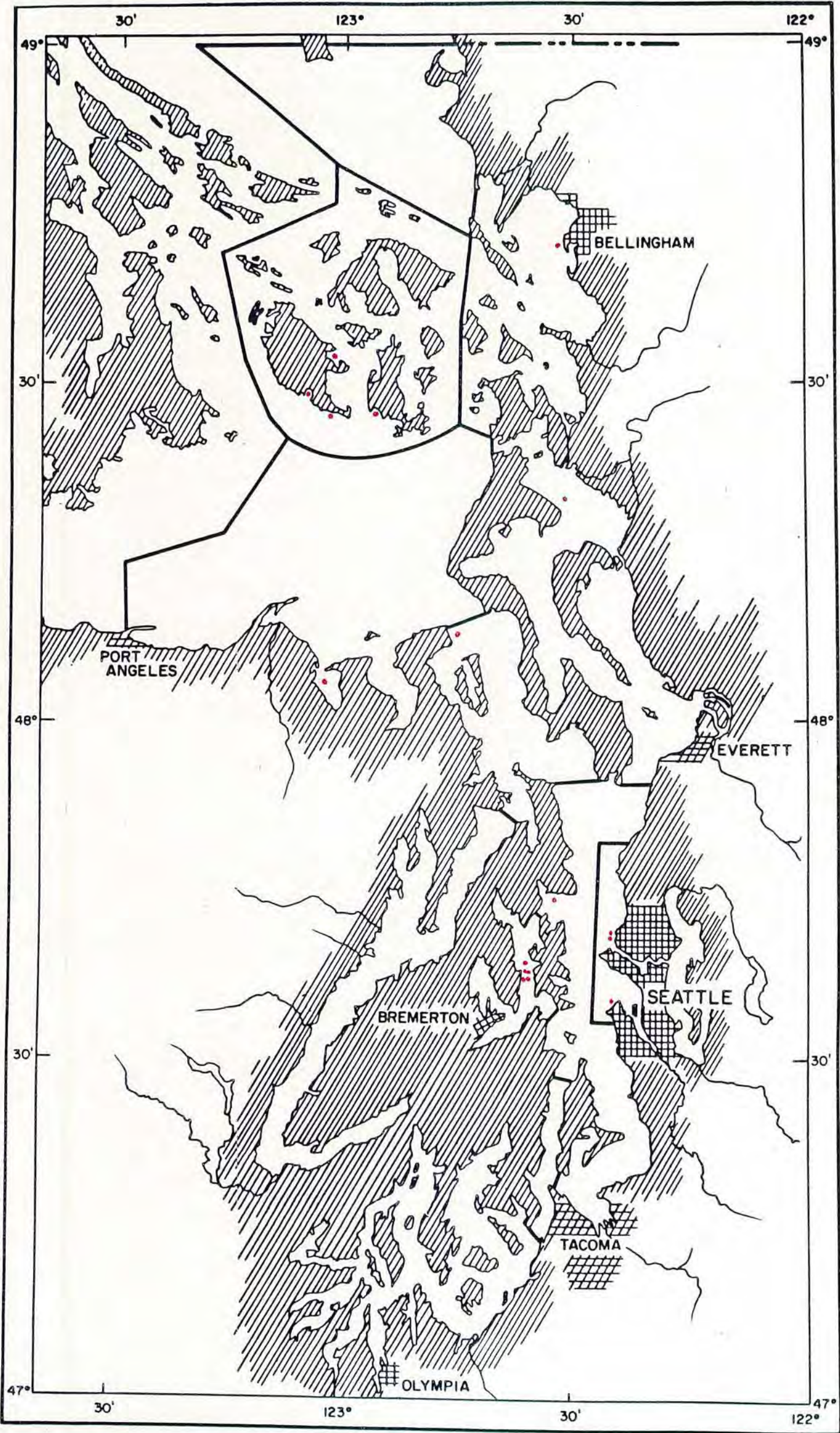
- 1-SJ: WSDF, Sport Fish., 1970.
8-JF (off West Beach):
WSDF, Sport Fish., 1969.
10+-E (Skagit Bay and Similk Bay):
WSDF, Sport Fish., 1968-69.
2-AI (off Bush Point):
WSDF, Sport Fish., 1965-70.
1-S (Elliott Bay):
WSDF, Sport Fish., 1965-70.
1-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
1-S (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-SJ (north end of Orcas Island):
Allyn Johnson, Sport Catch,
personal communication, 1972.

Hexagrammos decagrammus

Hexagrammidae

Miscellaneous Logs

- 1-SJ (Obstruction Pass.):
Al Milbun, Diving, 1961.
- 1-AI (Keystone ferry):
Al Milbun, Diving, 4/9/61.
- 1-SJ (East Sound south of Rosario Point): NIH, 1964-66.
- 2-JF (beach seine: Port Angeles embayment):
Peninsula College, 1971.
- 3-SJ (Limestone Point):
Bruce Miller, Diving Log, 9/6/65;
7/23/66; 7/30/66.
- 4-SJ (Friday Harbor): Bruce Miller,
Diving Log, 9/10/65; 3/12/66;
6/20/66; 7/22/66.
- 1-SJ (west-central side of San Juan Island): Bruce Miller, Diving Log, 3/27/66.
- 1-SJ (Edwards Reef, west-central San Juan Island): Bruce Miller,
Diving Log, 8/16/66.
- 1-PO (Orchard Rocks): Bruce Miller,
Diving Log, 6/25/69.
- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 1-CS (south end of Bainbridge Island): Doug Olander, Sport Catch Log, 1972-73.
- 1-SJ (Rocky Bay): Doug Olander,
Sport Catch Log, 1972-73.
- 1-B (beach seine: Wildcat Cove):
Sea Grant, 1973.
- 1-SJ (Lopez Sound, just north of Flower Island): Doug Olander,
Sport Catch Log, 1972-73.



Hexagrammos lagocephalus

Hexagrammidae

Published Records

- 1-AI (Port Townsend): Bean, 1884.
 1-PS:
 Jordan and Gilbert, 1882; 1881c.
 1-PS: Kincaid, 1919.

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- 1-SJ (Davis Bay): 607.
 1-SJ (Friday Harbor): 1049.
 1-SJ (south beach near American
 Camp): 200543 (also Friday
 Harbor Log, 8/13/69-2).

Friday Harbor Laboratory Log

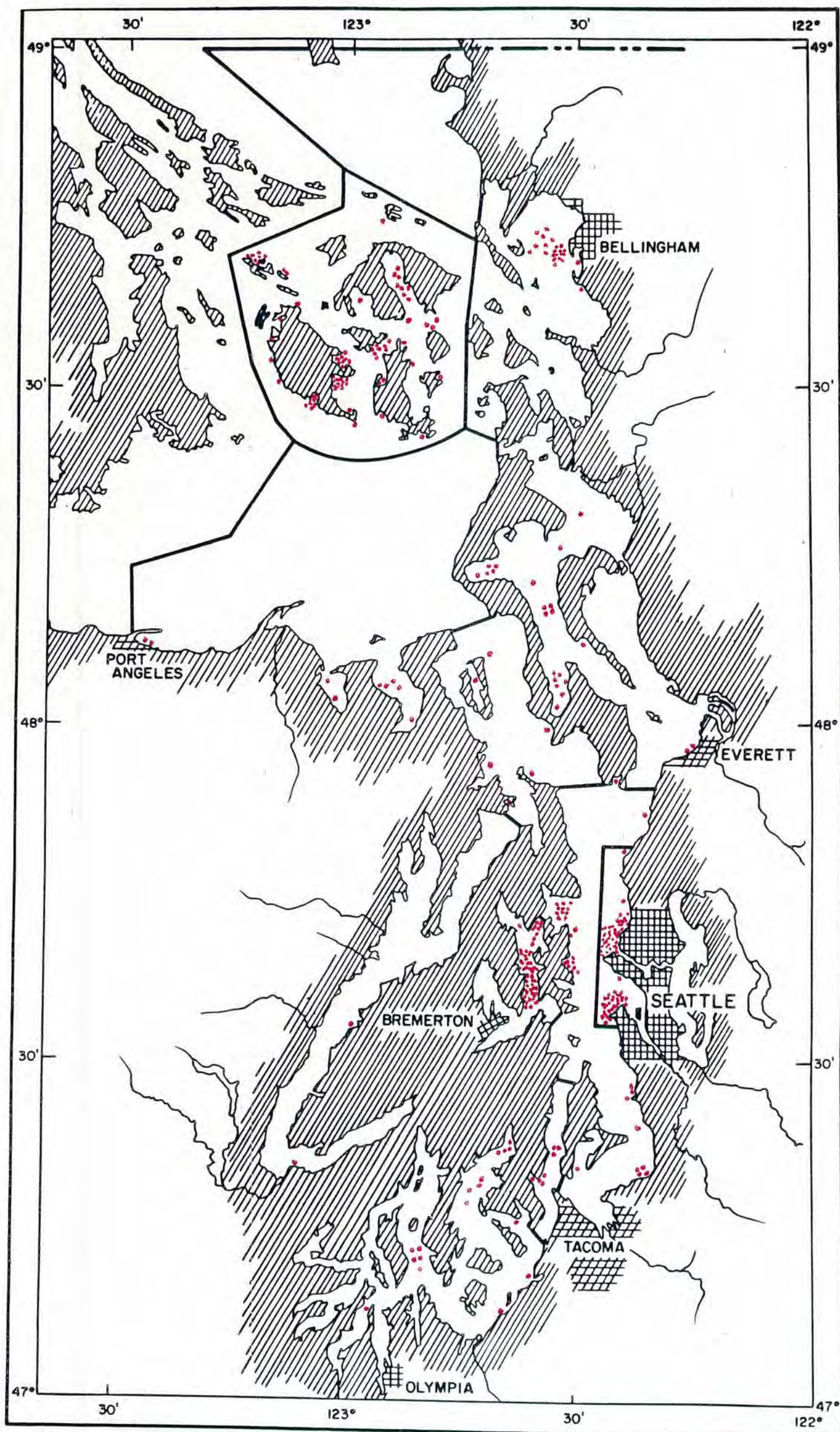
- 1-SJ (either False Bay or Argyle
 Bay): 5/9-10/62.
 1-SJ (False Bay): 7/1/69.

University of Washington Boat Log

- 1-B (training cruise area: southwest
 of Post Point): 6603G.

Miscellaneous Logs

- 1-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 4-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.
 1-PO (south and north of Fletcher
 Bay): U.W. Ocean., Hoh, 1963-67.
 1-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 1-JF (Sequim Bay):
 Battelle, 1967-69.
 1-E (Skagit Bay and Similk Bay):
 WSDF, Sport Fish., 1965-70.



Hexagrammos stelleri

Hexagrammidae

Published Records

- 1-SS (Fort Steilacoom):
Suckley, 1860; Girard, 1859;
Gunther, 1860.
1-JF (Port Angeles):
Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
2-AI (Kilisut Harbor; Marrowstone
Point):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
2-E (Coupeville): Smith, 1936.
2-JF (Sequim Bay; Discovery Bay):
Smith, 1936 (also Discovery Bay
record is museum 3869).
1-SS (Hale Pass): Smith, 1936.
3-B (Bellingham Bay): Smith, 1936.
1-SJ (Obstruction Island):
Smith, 1937.
1+-B (Bellingham Bay, north of Eliza
Island): Tyler, 1964.
6-S (Duwamish Head): Salo, 1969.
1-E (Skagit Bay): Salo, 1969.
1-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
2-CS (Seahurst County Park):
Miller, 1971a (also boat 7113 and
NIH, 71101).

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- 1-PS: 199.
1-SJ (Argyle Bay): 556.
4-SJ (False Bay):
574; 587; 1127; 2267.
1-SJ (East Sound, White Beach):
588.
1-SJ (Davis Bay): 601.
3-SJ (East Sound): 615; 741; 18706
(also NIH, 1964-66).
1-SJ (Squaw Bay): 653.
7-S (Alki Point): 659; 751; 786;
819; 924; 1922; 4315.
1-SJ (Upright Head and Shoal Bay):
675.
1-SJ (Flat Point): 721.
1-SJ: 732.
1-S (Seattle): 843.
1-S (beach seine: spit near Ballard
Locks): 4581.
1-S (North Beach): 4696.
1-SS (Carr Inlet, Purdy): 14232.
3-CS (Redondo Beach):
5316; 5078; 5125.
1-CS (beach seine: Redondo Beach):
4745.
1-PO (Agate Pass., buoy N4-N6):
6028 and 8156 (also boat 5106E).
1-CS (beach seine: Cultus Bay):
16360.
1-B (Chuckanut Bay): 18278.

- 1-SJ (Upright Channel): 17221 (also
Friday Harbor Log, 7/5/63).
1-SJ (Cattle Point): 1016.
1-SJ (near Peavine Pass.): 1109.
1-SJ (Peavine Pass.): 2089.
1-SJ (Brown Island): 2126.
1-B (Point Francis, Bellingham Bay):
3780.
1-AI (Bywater Bay): 4454.
3-S (Carkeek Park):
5536; 5541; 14279.
1-SJ (Friday Harbor): 6104.
1-SJ (Fisherman Bay): 6203.
1-SJ (north side of Johns Island,
second bay): 14228 (also Friday
Harbor Log, 8/19/52-2).
1-S (Edmonds Beach): 14234.

Friday Harbor Laboratory Log

- 1-SJ (off Fish Creek, Cattle Point):
7/21/52.
10-SJ (Argyle Bay):
7/21/52; 8/11/60-2,3; 6/22/61;
7/8/61; 7/12/61-1,3; 7/18/61-2;
8/3/61; 7/10/69-4.
2-SJ (Prevost Harbor):
8/19/52; 7/10/50-4.
3-SJ (Squaw Bay):
8/1/55; 8/1/60-1; 7/10/61-1.
1-SJ (Upright Channel, Odlin Park):
8/1/55.
1-SJ (Johns Island): 7/10/50-2.
2-SJ (Satellite Island):
7/10/50-5,6.
3-SJ (north side Stuart Island,
probably Prevost Harbor):
7/10/50-7,8,9.
1-SJ (west of Decatur Head):
7/24/50-1.
1-SJ (south of Frost Island):
6/19/50-2 (also boat 5033D).
1-SJ (West Sound): 7/26/60-2.
4-SJ (False Bay): 7/17/50-1;
8/5/60; 6/29/61; 6/21/63.
1-SJ (Upright Head to Olga):
8/1/60-2.
1-SJ (Mitchell Bay): 8/16/60-1.
1-SJ (Westcott Bay): 8/16/60-2.
1-SJ (McArdle Bay): 8/22/60-3.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (mid East Sound): 4/3/64.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ (Squaw-Ogden): 6/27/69.
2-SJ (Argyle Lagoon):
7/10/69-3; 7/9/73.

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- 1-SJ (beach seine: Fisherman Bay):
50330.
2-SJ (training cruise area: East
Sound, north of Rosario Point):
6603H; 6614H.

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- 13-B (training cruise area:
southwest of Post Point): 6507G;
6603G; 6614G; 6620G; 6815G;
6819G; 6908G; 7010G; 7017G;
7110G; 7118G; 7307G; 7313G.
- 4-E (Holmes Harbor):
5307G,M,N; 5405A.
- 1-E (mid Holmes Harbor): 5312K.
- 1-E (lower Holmes Harbor): 5312L.
- 1-E (beach seine: Good Beach, Penn
Cove): 5316H.
- 4-E (Saratoga Pass., Onamac Point to
Indian Beach):
5405L,N; 5418K,L.
- 1-E (Elger Bay): 54050.
- 1-E (south of Snatelum Point,
Saratoga Pass.): 5712C.
- 3-CS (Port Madison):
6/30/49; 5043A; 5131B.
- 1-CS (mouth of Quartermaster
Harbor): 5115H.
- 1-CS (north of Des Moines): 5224A.
- 1-CS (off Fay Bainbridge State
Park): 5805A.
- 1-CS (beach seine: south of Fay
Bainbridge State Park): 5806B.
- 15-CS (Murden Cove): 2-7108; 6610A,
C,D; 6613B; 6710B2; 6713C; 6809A;
6812B,C,E; 6818C; 6906D; 7308A.
- 2-PO (south part of Agate Pass):
495C; 4910B.
- 4-PO (Agate Pass., buoy N4-N6):
5132C; 5310.3D,.5J; 5048A.
- 8-PO (off Fletcher Bay to off south
of Battle Point and Brownsville):
5309A; 5310.3B; 5707A; 6001AM;
6008A; 6205D1; 5223B; 6016A1.
- 1-PO (off Seabold Wharf): 6617A.
- 3-PO (probably off Fletcher Bay):
6713A; 7206; 7313X.
- 1-PO (off Manzanita to off Seabold):
5310.1D.
- 1-PO (Point Bolin to Keyport):
5310.4E.
- 2-PO (beach seine: 1 mile north of
Illahee dock): 6205A2.1,.2.
- 1-PO (between "B-2" and "B-1"):
6205C2.
- 12-S (off Golden Gardens and Meadow
Point): 498A; 5014C; 5112E;
5119H; 5203C,D; 5233C; 5329A;
5607A; 5704E; 5907C,D.
- 18-S (beach seine: Golden Gardens to
Meadow Point):
5036A; 5116B,D1,F,G2; 5134A,B;
5137A,B; 5209E,D; 5710A,D; 5804A;
5807A; 5914A; 6019B; 6417.
- 1-S (Meadow Point): 6414A.
- 1-S (off Meadow Point to Carkeek
Park): 5212A.
- 5-S (beach seine: Carkeek Park):
5219A; 5221B; 5225B; 5231A;
5808B.
- 1-S (Meadow Point to Richmond
Beach): 6429A.

- 3-CP (off Camp Sealth):
5009E,F; 5104CC.
- 2-SS (off Raft and Cutts Islands):
5104M,AA.
- 1-SS (Carr Inlet): 5522C.
- 3-SS (off Wauna):
5045I; 5101A; 5104E.
- 1-SS (trap: Eld Inlet entrance):
6219-2.

Miscellaneous Logs

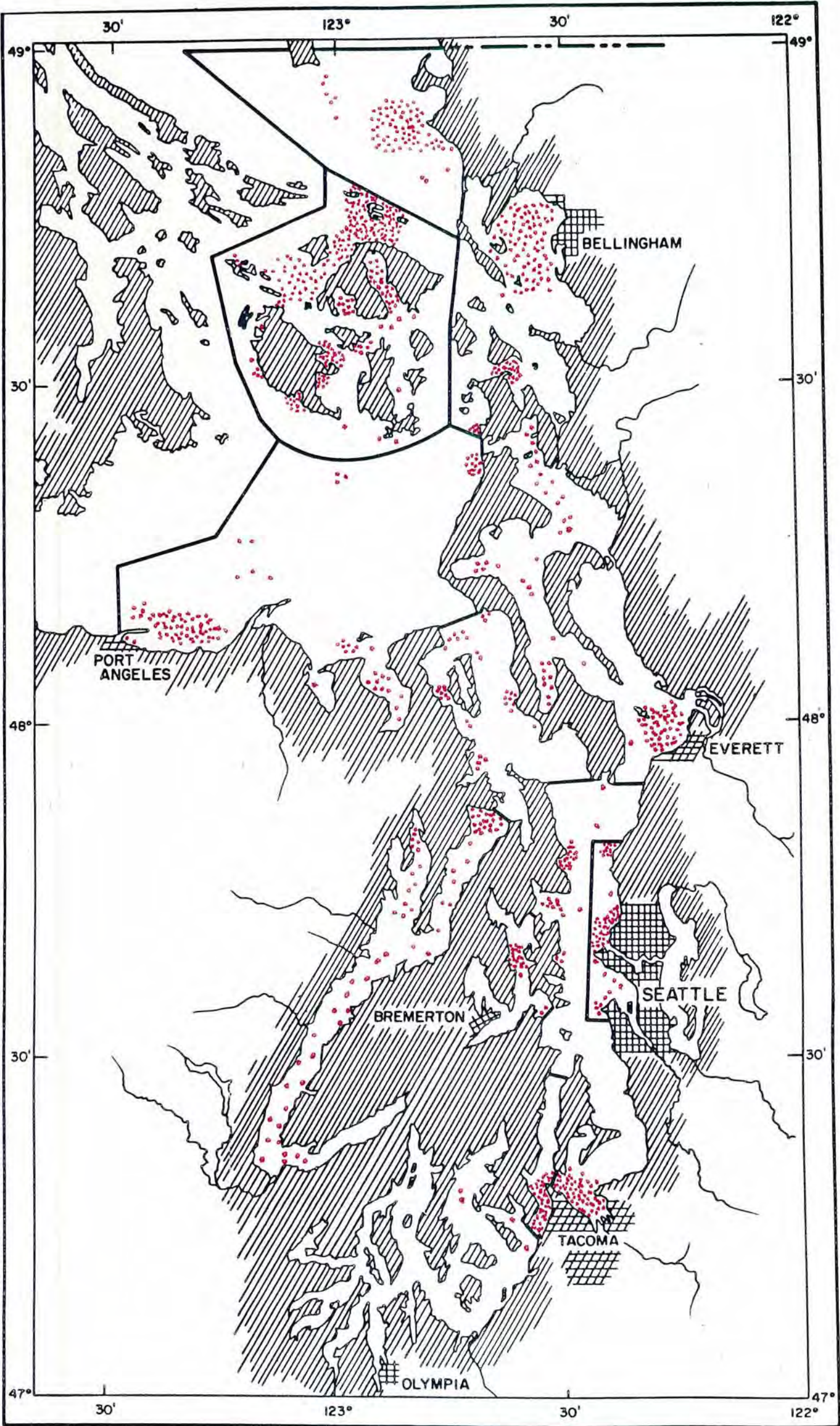
- 8-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 2-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 34-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 7-S (Golden Gardens and Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
- 17-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
- 5-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.
- 8-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 1-CS (Norma Beach):
U.W. Ocean., Hoh, 1963-68.
- 1-E (off Demock Point to Utsalady
Point):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-AI (Skunk Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 2-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
- 2-B (off Nooksack River to Marine
Drive): NIH, 1968-71.
- 1-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
- 1-E (Holmes Harbor):
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 (lower part of Sequim Bay):
Sea Grant, 71110.
- 2-JF (upper part of Discovery Bay):
Sea Grant, 71111.
- 1-JF (lower part of Discovery Bay):
Sea Grant, 71111.
- 6-SJ (Friday Harbor):
Bruce Miller, Diving Log,
7/12/65; 7/18/65; 9/10/65;
2/26/66; 3/12/66; 3/25/66.

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- 3-SJ (Limestone Point):
Bruce Miller, Diving Log, 9/6/65;
7/23/66; 7/30/66.
- 1-SJ (Edwards Reef, west-central
San Juan Island): Bruce Miller,
Diving Log, 8/16/66.
- 1-CS (Pully Point): Bruce Miller,
Diving Log, 3/17/67.
- 1-CP (beach seine: Gig Harbor Spit):
Sea Grant, 72003 (also boat
7208).
- 1-HC (off Union): Sea Grant, 1974.
- 2-CP (off Gig Harbor Spit): Sea
Grant, 72003 (also boat 7208).
- 1-CP (in Gig Harbor): Sea Grant,
72003 (also boat 7208).
- 1-B (north part Bellingham Bay):
Sea Grant, 72004.
- 1-AI (beach seine: Mutiny Bay):
Sea Grant, 72015.
- 1-B (beach seine: Wildcat Cove):
Sea Grant, 72029.
- 1-S (off north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
- 1-S (southwest of Alki Point):
Sea Grant, 1973.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.



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Published Records

- 1-CS (near Quartermaster Harbor):
Rathbun, 1894.
1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-AI (Port Ludlow): Starks, 1896b.
2-AI (Marrowstone Point; Port
Townsend):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-SJ: Shelford et al., 1935.
4-GS: Smith, 1936.
5-B (Bellingham Bay): Smith, 1936.
3-E (Coupeville): Smith, 1936.
1-JF (Sequim Bay): Smith, 1936
(also museum 3890 and 3891).
1-JF (Discovery Bay): Smith, 1936.
2-HC (Bangor; Dabob Bay):
Smith, 1936.
1-SS (Hale Pass.): Smith, 1936.
2-E (Columbia Beach; Gedney Island):
Smith, 1937.
50+-JF (commercial fish.: east of
Ediz Hook): Kelly, 1946.
50+-GS (commercial fish.: west of
Point Whitehorn): Kelly, 1946.
50+-SJ (commercial fish.: west of
Orcas Island): Kelly, 1946.
50+-B (commercial fish.: Bellingham
Bay): Kelly, 1946.
50+-E (commercial fish.: Port
Gardner): Kelly, 1946.
50+-CS (commercial fish.:
Commencement Bay): Kelly, 1946.
4-JF (mid-channel northwest of
Dungeness Spit): Greenwood, 1957
(also NMFS, Ccbb-25).
1-S (Duwamish Head): Salo, 1969.
1-SJ (Friday Harbor): Lloyd, 1936.
1-S (Seattle): Lloyd, 1936.
2-SJ (False Bay; Friday Harbor):
Kohlruss, 1936.
2-B (beach seine: Bellingham Bay,
north of Eliza Island):
Tyler, 1964.
10+-JF (sport catch):
Haw and Buckley, 1971.
10+-SJ (sport catch):
Haw and Buckley, 1971.
10+-B (sport catch):
Haw and Buckley, 1971.
50+-HC (sport catch):
Haw and Buckley, 1971.
10+-CS (sport catch: Kingston Break-
water): Haw and Buckley, 1971.
10+-S (sport catch: Shilshole and
Edmonds Breakwaters):
Haw and Buckley, 1971.
50+-CP (sport catch: Tacoma
Narrows): Haw and Buckley, 1971.
1-HC (Anderson Cove): Chew, 1970.
50+-B (commercial catch):
DiDonato, 1969.

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- 1-PS: 201.
3-SJ (Squaw Bay): 564; 654; 2083.
6-SJ (False Bay): 579; 581; 1126;
1159; 1173; 2999.
1-SJ (East Sound, White Beach): 593.
2-S (Alki Point): 926; 1922.
2-SJ (Friday Harbor): 1043; 3706.
1-S (Edmonds Beach): 5490.
1-S (off Carkeek Park):
8024 (also boat 5212D).
1-S (off Golden Gardens):
14280 (also boat 5512F).
1-CS (northeast of Apple Cove Point):
5864 (also boat 5009A).
1-SJ: 737.
1-SJ (Lopez Sound): 10434.
1-SJ (Prevost Harbor): 10443.
1-SJ (off Kanaka Bay): 11046 (also
Friday Harbor Log, 8/4/52-3).
1-CS (off Point Monroe):
14398 (also boat 5805C).
1-SJ (West Sound): 16358.
4-SJ (East Sound):
17140; 18707 (also NIH, 1964-66);
18708 (also NIH, 1964-66); 19681
(also NIH, 1964-66).
1-SJ (Upright Channel): 17222 (also
Friday Harbor Log, 7/5/63).

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- 1-B (south of Eliza Island):
8/8/55-1.
1-SJ (Reef Bay, northeast side Johns
Island): 7/5/51-1.
1-SJ (south of Orcas Island):
6/24/52.
5-SJ (West Sound): 7/9/52-3 (also
boat log 5220I); 7/26/60-2;
8/13/60-2; 6/26/61; 6/27/63-B.
11-SJ (Friday Harbor Lab):
7/29/52; 8/2/52; 8/1/52;
8/12-13/52; 7/17/60; 7/19/60;
8/7/61; 7/14/69; 8/1/69; 8/10/69;
8/13/69-1.
2-SJ (Friday Harbor):
8/15-16/52; 6/21/55-1.
1-SJ (Garrison Bay): 6/25/55-3.
1-SJ (East or West Sound): 7/25/55.
1-SJ (Prevost Harbor): 7/10/50-4.
2-SJ (Squaw Bay): 8/1/55; 8/1/60-1.
1-SJ (Upright Channel, Odlin Park):
8/1/55.
3-SJ (west of McArthur Bank):
8/3/55-1; 8/8/60; 7/8/69-1.
1-SJ (southeast of Cattle Point):
8/3/55-2.
1-SJ (off Iceberg Point):
8/4/55-1 (also boat 5520C).
1-SJ (outside False Bay):
8/17/55-2.
1-SJ (north side of Stuart Island):
7/10/50-9.

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Friday Harbor Laboratory Log

- 4-SJ (False Bay): 7/17/50-1;
6/21/63; 8/5/60; 6/29/61.
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 (Smallpox Bay): 7/13/69.
9-SJ (Argyle Bay): 7/12/61-1,3;
7/18/61-2; 7/15/63; 7/10/69-4;
7/5/60; 8/11/60-2,3; 6/22/61.
3-SJ (East Sound):
7/26/60-1; 8/13/60-1; 6/20/61.
1-SJ (south of Lopez Island):
6/27/63-A.
3-SJ (mid East Sound):
1/17/64; 4/3/64; 6/5/64.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ: 7/14/67.

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- 1-JF (Discovery Bay): 5318A.
4-SJ (training cruise area: East
Sound, north of Rosario Point):
6517H; 6614H; 6630H; 7313H.
2-E (Holmes Harbor, south of
Classic): 5305A; 5611B.
4-E (Holmes Harbor):
5305H; 5330B; 5604G; 5810A.
1-E (Holmes Harbor, Rocky Point to
Dines Point): 5307K.
4-E (Holmes Harbor, Dines Point to
Classic): 5312F,K; 5316A; 5405H.
2-E (Saratoga Pass., Snatelum Point
to Onamac Point): 5330F; 5712C.
1-E (Penn Cove mouth, off Long Point
to off Snatelum Point): 5330H.
1-E (Saratoga Pass., Onamac Point to
Indian Beach): 5405L.
1-E (Penn Cove): 5613U.
1-E (Saratoga Pass., Cama Beach to
Lowell Point): 5712D.
1-E (training cruise area: east of
Gedney Island): 6620C.
1-E (Saratoga Pass.): 6810B.
1-AI (training cruise area: east of
north Marrowstone Island):
6614J.
1-HC (opposite Hoodsport): 499F.
7-HC (Dabob Bay): 5903A; 5921;
6105B; 5202F; 7102B,F,P.
7-HC (Dabob Bay, Broad Spit to Long
Spit): 6503A,B; 6601B; 7702F;
6828A; 7202E; 7303C.
2-CS (Port Madison):
1/22/49-5; 492A.
1-CS (off Cultus Bay): 5/7/49-2.
1-CS (mid-channel, Meadow Point to
Port Madison): 5709B.
1-CS (east of Point Monroe): 5813B.
3-CS (Murden Cove):
6613A; 6711D2; 6821.5G.

- 10-PO (off Fletcher Bay to south of
Battle Point and Brownsville):
5317B; 5507; 5524; 5602B; 5707H;
5709C; 5714; 5809A; 6015A,B.
1-PO (off south of Fletcher Bay):
6016B4.
2-PO (probably off Fletcher Bay):
6007A,B.
18-S (off Golden Gardens to Meadow
Point): 5003A; 5009K,L; 5033A;
5039D; 5110C; 5112C; 5132B;
5210A; 5512G; 5521A; 5607B;
5702AN; 5707J; 5713G; 5907D;
5920F; 6114A.
4-S (off Meadow Point to Carkeek
Park): 5212A; 5216A,B; 5233A.
2-S (beach seine: Golden Gardens to
Meadow Point): 5328A; 5925A.
1-S (off 4-Mile Rock to south of
West Point): 5602C.
1-SS (Carr Inlet, off Horsehead
Bay): 5104Q.
1-SS (Day Island to Toliva Shoal):
5201E.
1-SS (Carr Inlet, mid-channel Glen
Cove to Green Point): 6724B.
1-S (Meadow Point to Richmond
Beach): 6429A.

Miscellaneous Logs

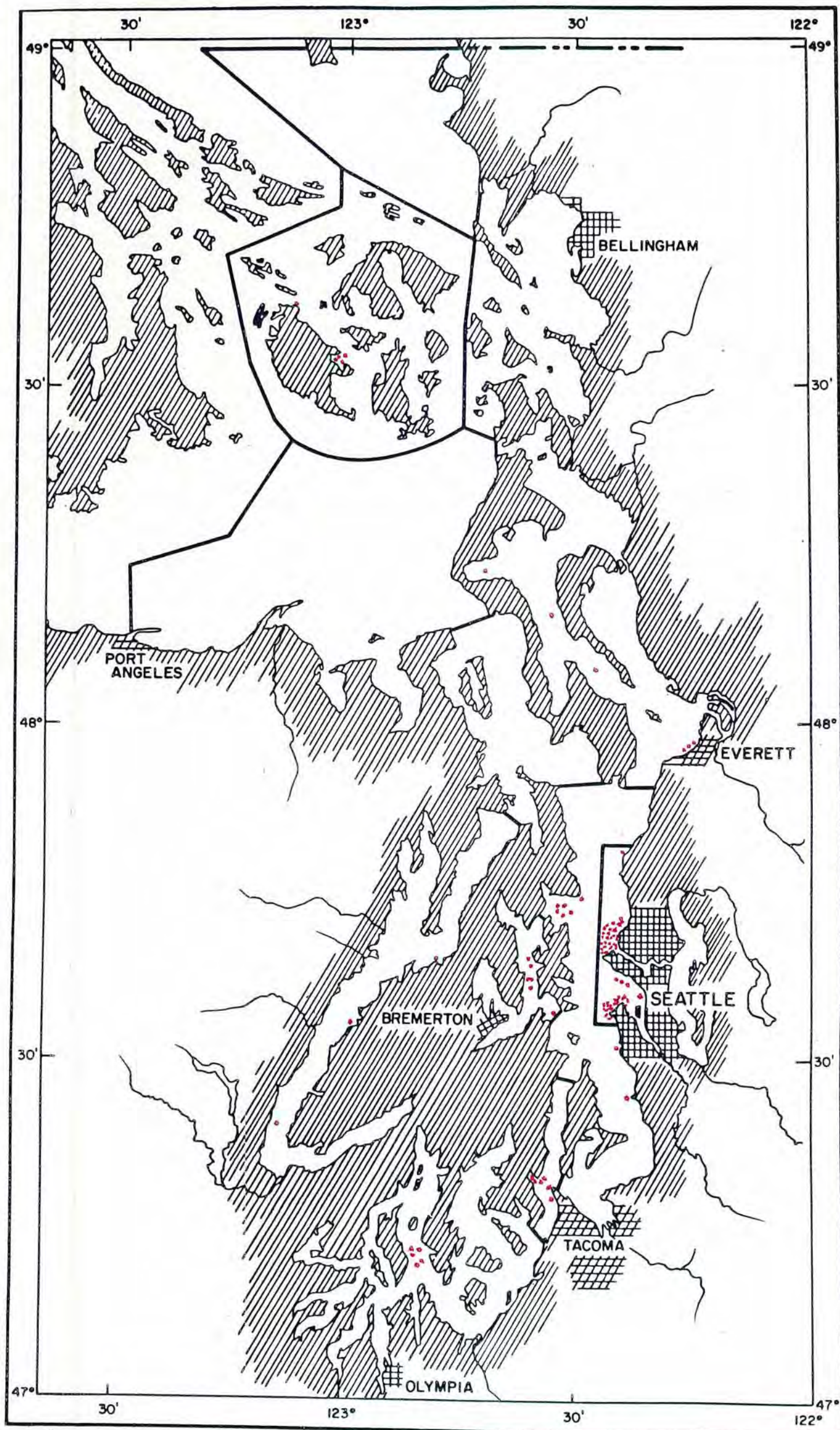
- 3-AI (Port Ludlow):
Bill High, Diving, personal
communication, 10/22/63.
8-AI (Irondale): Bill High, Diving,
personal communication, 10/22/63.
1-AI (Port Townsend):
Bill High, Diving, personal
communication, 10/22/63.
2-AI (Keystone): Bill High, Diving,
personal communication, 10/22/63.
50+-HC (Sisters Rock-buoy):
Bill High, Diving, personal
communication, 10/22/63.
16+-B (Anacortes):
Bill High, Diving, personal
communication, 10/22/63.
5-B (Rosario): Bill High, Diving,
personal communication, 10/22/63.
1-S (Alki Point): Lyon McCandless,
personal communication, 1955.
11+-JF (off West Beach):
WSDF, Sport Fish., 1965-70.
12+-E (Skagit Bay and Similk Bay):
WSDF, Sport Fish., 1968.
3-E (Everett):
WSDF, Sport Fish., 1965-70.
10-AI (off Bush Point):
WSDF, Sport Fish., 1969.
2-S (Elliott Bay):
WSDF, Sport Fish., 1965-70.
4-SJ: WSDF, Sport Fish., 1965-70.
11+-HC: WSDF, Sport Fish., 1965-70.
1-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.

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- 7-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 2-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 2-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 5-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 1-E (Saratoga Pass., Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 4-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 5-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Protection Island): WSDF,
groundfish trawl, through 1970.
- 4-JF (Discovery Bay): WSDF,
groundfish trawl, through 1970.
- 2-AI (Oak Bay): WSDF, groundfish
trawl, through 1970.
- 15-B (Bellingham Bay): WSDF,
groundfish trawl, through 1970.
- 1-CS (Norma Beach to Appletree
Cove): WSDF, groundfish trawl,
through 1970.
- 1-JF (Protection Island): WSDF,
commercial catch comp., 1966-71.
- 2-JF (Discovery Bay): WSDF,
commercial catch comp., 1966-70.
- 100+SJ (Sucia Island):
Allyn Johnson, sport catch,
personnel communication, 1972.
- 2-SJ (north end of Orcas Island):
Allyn Johnson, sport catch,
personal communication, 1972.
- 4-AI (east of Port Townsend):
NMFS, Cobb-35.
- 1-JF (west of Protection Island):
NMFS, Cobb-35.
- 1-JF (Protection Island to Discovery
Bay): NMFS, Cobb-35.
- 1-B (Bellingham Bay, Eliza Island):
NMFS, Cobb-68.
- 1-HC (Seabeck): NMFS, Cobb-69-1.
- 1-JF (off Dungeness Spit):
NMFS, Cobb-69-7.
- 1-SJ (Obstruction Pass.):
Al Milbun, Diving, 1961.
- 1-AI (Keystone ferry area):
Al Milbun, Diving, 4/9/61.
- 1-B (Viti Rocks):
Al Milbun, Diving, 10/1/61.
- 13-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
- 1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
- 4-JF (north of Ediz Hook):
NMFS, Cobb-25.
- 1-JF (lower part of Discovery Bay):
Sea Grant, 71111.
- 1-GS (tow area 2: off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 6-GS (tow area 3: off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 4: off north of
Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 5: north of Alden
Bank):
WSDF, Gulf Georgia, 1969-71.
- 2-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.
- 3-GS (tow area 8: mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-SJ (Brown Island):
Bruce Miller, Diving Log, 6/63.
- 5-SJ (East Sound): Bruce Miller,
Diving Log, 10/18/64; 8/29/65;
9/9/65; 9/11/65; 5/8/66.
- 10-SJ (Friday Harbor):
Bruce Miller, Diving Log,
7/12/65; 8/18/65; 9/5/65;
9/10/65; 9/12/65; 4/2/66;
4/25/66; 6/20/66; 8/21/66.
- 4-SJ (Limestone Point): Bruce
Miller, Diving Log, 9/6/65;
4/27/66; 7/23/66; 7/30/66.
- 1-SJ (Point Caution):
Bruce Miller, Diving Log, 8/66.
- 1-SJ (Edwards Reef, west-central San
Juan Island): Bruce Miller,
Diving Log, 8/16/66.
- 1-SJ (lower East Sound): Bruce
Miller, Diving Log, 8/18/66.
- 1-PO (Clam Bay): Bruce Miller,
Diving Log, 10/4/70.
- 1-PO (Orchard Rocks): Bruce Miller,
Diving Log, 6/25/69.
- 4-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-S (Golden Gardens):
S.L. Ralston, Diving Log, 1971.
- 1-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 4-SJ (near Turn Island):
Doug Olander, Sport Catch Log,
1972-73.
- 3-SJ (near Deadman Bay):
Doug Olander, Sport Catch Log,
1972-73.
- 2-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-GS (south of Cherry Point):
Sea Grant, 72009.



Oxylebius pictus

Hexagrammidae

Published Records

- 1-S (Seattle):
 Evermann and Goldsborough, 1907.
 1-SJ (Friday Harbor): Starks, 1911.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-E (Camano): Smith, 1937.
 10-S (Duwamish Head): Salo, 1969.

University of Washington
Museum Collection

- 2-S (Seattle): 989; 990.
 1-E (Saratoga Pass. to Port Susan):
 2927.
 1-HC (Hoodspoint): 3750.
 1-SJ: 4310.
 1-S (hook and line, Seattle
 waterfront): 4381.
 1-S (North Beach): 4626.
 1-CS (West Seattle ferry slip):
 5340.
 1-S (Golden Gardens): 8793.
 1-PS: 11675.
 1-S (off Golden Gardens): 14231.
 1-CP (Point Defiance): 14233.
 1-CP (Tacoma Narrows): 15195.

Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor Lab):
 8/19/69-2.
 1-SJ (night light, Friday Harbor
 Lab): 1969.

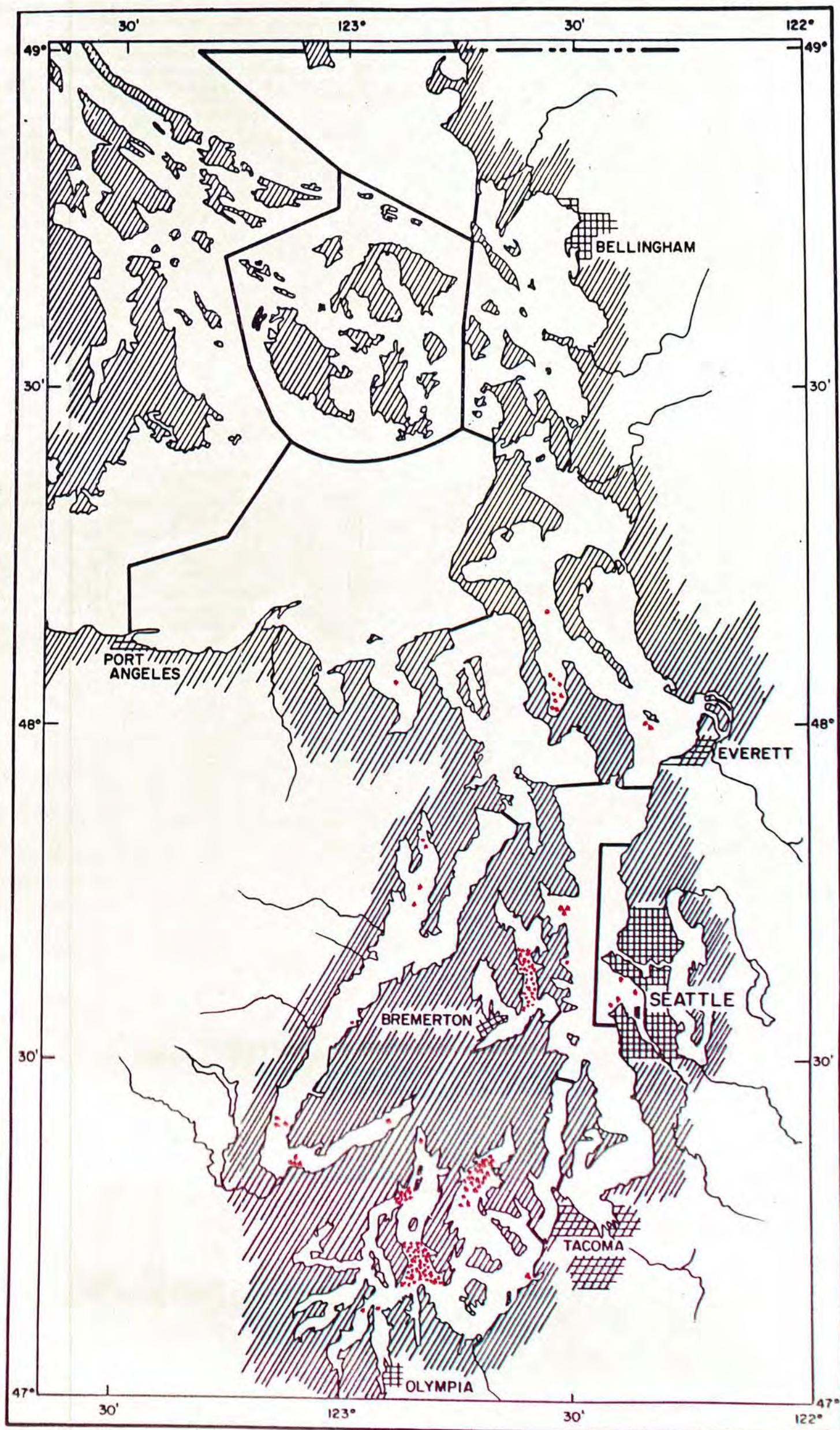
University of Washington Boat Log

- 2-S (off Golden Gardens to Meadow
 Point): 495D; 5314C.
 2-S (beach seine: Golden Gardens to
 Meadow Point): 5215U; 5320A.

Miscellaneous Records

- 1-S (probably West Point or Golden
 Gardens): R. Domenowske,
 personal communication, 10/24/63.
 12-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 4-S (Meadow Point):
 U.W. Ocean., 1964-67.
 3-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 2-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.
 3-PO (south and north of Fletcher
 Bay): U.W. Ocean., Hoh, 1963-67.
 5-SS (Case Inlet, off Taylor Bay to
 off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 5-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.

- 1-E (Penn Cove):
 U.W. Ocean., Hoh, 1963-67.
 2-S (Golden Gardens to Carkeek
 Park): NIH, 1968-71.
 1-S (Edmonds ferry): Bruce Miller,
 Diving Log, 10/11/64.
 1-SJ (Friday Harbor): Bruce Miller,
 Diving Log, 4/25/66.
 1-SJ (Limestone Point): Bruce
 Miller, Diving Log, 7/23/66.
 1-PO (Orchard Rocks): Bruce Miller,
 Diving Log, 9/11/70.
 2-CP (off Gig Harbor Spit): Sea
 Grant, 72003 (also boat 7208).
 2-CP (in Gig Harbor): Sea Grant,
 72003 (also boat 7208).
 1-CP (off Gig Harbor Spit):
 Sea Grant, 72025.
 1-HC (off southwest of Big Beef
 Harbor): Sea Grant, 1973.
 1-CS (Jefferson Head):
 Bill High, Diving, personal
 communication, 2/26/74.
 1-CS (Point Pully): Bruce Miller,
 Diving Log, 5/10/68.
 2-S (off northwest side of West
 Point): Sea Grant, 1973.



Zaniolepis latipinnis

Hexagrammidae

Published Records

- 1-SS (Fort Steilacoom):
 Girard, 1858, 1859; Suckley,
 1860; Gunther, 1860.
 1-S (Seattle):
 Evermann and Goldsborough, 1907.
 1-S (Seattle):
 Schultz and DeLacy, 1935-36.
 1-JF (Discovery Bay):
 Smith, 1936 (also museum 3874).
 1-SS (Dofflemeyer Point):
 Smith, 1937.
 2-E (Gedney Island): Smith, 1937.
 2-HC (Holly; Hoodsport):
 Smith, 1937.
 1-S (Duwamish Head): Salo, 1969.

University of Washington
Museum Collection

- 1-PS: 200.
 1-PS (Hood Canal to Port Susan):
 2326.
 1-HC (Hoodsport): 4318.
 1-E (Holmes Harbor): 5304.
 1-SS (off McLane Cove):
 5681 (also boat 7/20/49-3).
 1-HC (opposite Hoodsport):
 5775 (also boat 499F).
 1-SS (Carr Inlet, off Glen Cove):
 5810 (also boat 5009J).
 2-PO (off Fletcher Bay):
 11983 (also boat 5707G); 14235
 (also boat 5602B).
 1-HC (Dabob Bay): 13843.

University of Washington Boat Log

- 6-PO (off south of Fletcher Bay):
 5229C,D; 5413D; 5801A; 6016B4;
 6118A.
 15-PO (off Fletcher Bay):
 5301A; 5310.3B; 5904A; 5907A;
 6001AN; 6008A; 6016B1,A2,A4,B5;
 6101A; 6205D1,D2,D3; 6707.
 2-PO (between "B-2" and "B-1"):
 5301C; 6205C3.
 5-PO (probably off Fletcher Bay):
 5812B; 6713E; 6419; 7107; 7313X.
 1-CS (Port Madison): 5122A.
 1-CS (Murden Cove): 6713G.
 5-E (Holmes Harbor):
 5307G; 5327A,B; 5405A,B.
 2-E (lower Holmes Harbor):
 5312L; 5501B.
 1-E (Saratoga Pass., Onamac Point
 to Indian Beach): 5405L.
 1-HC (Dabob Bay): 6202F.
 2-HC (Dabob Bay, Broad Spit to Long
 Spit): 6702D; 6828A.
 1-SS (north end Pickering Pass. to
 off McLane Cove): 5009H.
 1-SS (Carr Inlet, off north of Home
 to off Horsehead Bay Spit):
 5104R.

- 9-SS (off Glen Cove to off Cutts and
 Raft Islands): 5101B; 5104Y;
 5104L,K,O; 5613A,B; 5126M; 5213D.
 10-SS (off Minter Creek to Elgin):
 5104D,I,C,V; 5045J; 5046C; 5135D;
 5227D,E,I.
 1-SS (Case Inlet, off Victor):
 5126G.
 2-SS (Carr Inlet): 5522C; 5605B.
 1-SS (Case Inlet): 5613K.

Miscellaneous Logs

- 1-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 31-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 9-PO (south and north of Fletcher
 Bay): U.W. Ocean., Hoh, 1963-67.
 1-HC (Lynch Cove):
 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 (Carr Inlet, off Horsehead
 Bay): U.W. Ocean., Hoh, 1963-67.
 1-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 1-SS (Eld Inlet entrance): Van
 Cleve, trap, 1961-65.
 11-SS (mid-channel, McLane Cove to
 Stretch Island):
 Sea Grant, 1973-74.
 4-HC (off Union): Sea Grant, 1973.
 1-HC (mid-channel, off Union):
 Sea Grant, 1973.