

MAINE STATE LEGISLATURE

The following document is provided by the
LAW AND LEGISLATIVE DIGITAL LIBRARY
at the Maine State Law and Legislative Reference Library
<http://legislature.maine.gov/lawlib>



Reproduced from scanned originals with text recognition applied
(searchable text may contain some errors and/or omissions)

**State of Maine
Status of the Elver Fishery**

**A Report
to the Joint Standing Committee
on Marine Resources**

Prepared by
Maine Department of Marine Resources

October 20, 1999

Introduction

The Commissioner of the Department of Marine Resources is required by Ch. 7, PL 1999 to 1) study the harvest of elvers during the 1999 season, 2) make recommendations regarding any changes to the number of licenses and gear restrictions for the 2000 elver fishing season, 3) convene a meeting by September 1, 1999, with representatives of the elver fishing industry and other interested parties to review the commissioner's findings and recommendations and, 4) submit the findings and recommendations to the Joint Standing Committee on Marine Resources by November 1, 1999. A copy of Ch. 7, PL 1999, approved on March 11, 1999, is included in Appendix A.

Elver fishery in 1999

Emergency legislation was passed in 1999, which limited entry into the elver fishery, reduced the amount of gear per harvester, and decreased the length of the season. The number of harvesters was reduced 79%, from a high of 2,314 in 1998 to a low of 741 in 1999 (Table 1). Approximately 80 people who were eligible for an elver license did not obtain one in 1999. The amount of gear also was reduced from a maximum of six units per harvester (one dipnet and five fyke nets) to two. The total number of fyke nets decreased 68%, from a high of 3,806 in 1998 to a low of 808 in 1999, and the number of dip nets was reduced 79%, from 2,111 in 1998 to 434 in 1999 (Table 1).

Elver fyke nets were counted and their locations mapped on March 27, 1999, during an aerial survey conducted five days after the season opened. The survey extended from the Piscataqua River to Somes Sound on Mt. Desert Island and as far north as Verona Island on the Penobscot River. DMR personnel counted 278 elver fyke nets, representing 34% of licensed fixed gear, during the survey. Most of the nets were concentrated in the mid-coastal region (Table 2), and most were set near the head-of-tide.

Elver dealers reported purchasing 3,587 pounds of elvers in 1999, a 75% reduction compared to 1998 and a 51% reduction compared to 1997 (Table 1). More than 95% of the purchased elvers were captured by fyke net. Elver purchases were low in March (98 pounds), peaked in April (2,774 pounds), and declined in May (646 pounds); month of harvest was not identified for 68 pounds. Approximately 58% of the purchased elvers were caught in Knox, Hancock, and Lincoln counties (Figure 1).

Prices paid for elvers in 1999 were very low compared to previous years. The highest reported price in 1999 was \$55/pound in March, and the lowest was \$9/pound in May. Average price for the 1999 season was \$25/pound. In previous years, prices were as high as \$300/pound.

Recommended license and gear changes for 2000 elver season

The Commissioner has concluded that the impact of emergency legislation on the 1999 elver harvest was impossible to evaluate, because the substantial reduction in harvesters and gear occurred coincidentally with a substantial reduction in price paid per pound of elvers. Due to poor market conditions, nearly two-thirds of the licensed fyke nets were not set at the beginning of the season, and by early April some harvesters began to pull gear or left gear unattended with cod ends opened for several consecutive days. Compared to 1998, fishing activity was virtually nonexistent in the western and eastern regions of the state, and was greatly reduced in the mid-coastal region. Therefore, the Commissioner recommends that no changes be made in the number of licenses and gear restrictions for the 2000 elver fishing season, and that the fishery be studied for another year when price structure and fishing effort may be more normal.

The Commissioner does recommend two changes in the present statute to maintain the 1999 level of fishing pressure. Section **§6505-A.2** allows approximately 80 eligible harvesters who did not obtain a license in 1999 to obtain a license in the year 2000. The Commissioner recommends that only those harvesters licensed in 1999 be allowed to obtain a license in 2000. In section **§6505-A.2-A** the amount of gear/individual is computed from the amount used in the past 3 elver fishing seasons. Because of the

reduction in 1999, this wording may result in additional gear reductions. The Commissioner recommends that in 2000 each harvester be allowed the types and number of gear held in the 1999 season. Suggested changes are included in Appendix B.

Recommended changes for the 2000 season to ensure compliance

Adoption of the Atlantic States Marine Fisheries Commission's (ASMFC) *American Eel Fisheries Management Plan* in November will require long-term monitoring of Maine's eel population and fisheries by DMR. Beginning in 2000, all states will be required to submit an annual report which includes 1) results of the annual glass eel abundance survey and other fishery-independent abundance surveys; 2) current regulations for commercial and recreational eel fisheries; 3) estimates of harvest, effort, market, and export by life stage, gear type, and month for commercial and recreational eel fisheries; 4) biological data (length, weight, age, sex) from samples taken from commercial and recreational fisheries; and 5) characterization of other losses (due to hydropower facilities, bycatch, etc.). The ASMFC plan also encourages state resource agencies to use their authority to improve upstream and downstream eel passage at hydropower facilities during the federal relicensing process. DMR presently is working to improve eel passage at 28 hydropower facilities in Maine. **Noncompliance with the ASMFC plan can result in closure of a state's eel/elver fisheries until compliance is achieved.**

In addition to ASMFC requirements, the Eel and Elver Management Fund Committee has recommended priority research, monitoring, and enforcement activities, and the *Lower Kennebec River Comprehensive Hydropower Settlement Accord* requires that DMR conduct research on upstream and downstream eel passage. Many research projects recommended by the Eel and Elver Management Fund Committee have been completed. However, enforcement of the elver fishery, monitoring of abundance by life stage, and improved upstream and downstream passage measures for eels are long-term commitments. Enforcement activity was reduced during the 1999 season because the poor market discouraged legal and illegal harvesting, but this situation will change dramatically if prices increase in the year 2000. Sampling of glass eels and elvers at Boothbay and Gardiner, initiated to study the efficiency of the elver fishery, will be continued indefinitely as the ASMFC annual glass eel abundance survey. Installation and monitoring of upstream passageway and research on downstream passage on the Kennebec and Sebasticook Rivers are required by the *Lower Kennebec River Comprehensive Hydropower Settlement Accord Settlement Accord*, which provides funds for equipment.

The current license and gear fees are insufficient to support the mandatory and recommended long-term research, monitoring, reporting, and enforcement activities associated with the American Eel Project. The recommended budget for FY2001 is provided in Appendix C. Given that the current license/fee structure results in approximately \$73,000, the fee structure will need to be modified to meet budget requirements.

The Commissioner wishes to bring to the Committee's attention that there are no permanent positions within DMR dedicated to the American Eel Project, and the current contractual arrangement with the University of Maine for staff support for the Project was terminated on October 29, 1999. Dr. Gail Wippelhauser, the UM contract employee, has been placed in a project position as an interim measure to continue monitoring of the elver and eel fisheries. The project position will terminate on April 15, 2000 and cannot be renewed. The UM position she held is comparable to a Marine Scientist II. For the past three years, a seasonal Conservation Aide, extended for six months each year, also has worked on the project. Given the intensive, year-round field season, a full-time Technician is required. If work required by the ASMFC plan, the Eel and Elver Management Fund Committee, and the *Lower Kennebec River Comprehensive Hydropower Settlement Accord* is to be continued, it is vital to retain the services of Dr. Wippelhauser and a Technician to maintain the continuity of the monitoring programs.

Meeting with the elver industry

A meeting utilizing the University of Maine System Network for Education and Technology Services (UNET) teleconferencing system was held on August 26, 1999 to review the commissioner's findings and recommendations. The system established communication between three sites and allowed all interested parties to participate in the same meeting and reduce travel time. Lewis Flagg, Gail Wippelhauser, and Lieutenant Dan Morris were present at the broadcast site in Augusta (UMA). The audio/video signal from UMA was received at sites in Saco and Ellsworth, and phone lines at these latter locations allowed participants to communicate with UMA. Sergeant John Williams was present at the Ellsworth site and Sergeant James Salisbury was present at the Saco site.

A notice of the meeting was sent to each of the 741 elver harvesters and the eight elver dealers licensed in 1999 (Attachment 1). Notices also were sent to the Coastal Conservation Association-ME, biologists at the Department of Inland Fisheries and Wildlife, members of the DMR Marine Advisory Council, and members of the DMR Recreational Marine Fisheries Advisory Council. Several representatives of the Elver Association also were notified of the meeting by phone.

A total of 16 representatives of the elver fishing industry and other interested parties attended the public meeting (10 at Augusta, 6 at Ellsworth, 0 at Saco) in addition to the five DMR representatives. Information was presented on fishing effort, dealer purchases, and prices during the 1999 season, recommended license and gear changes for the 2000 season, and the status of the ASMFC Plan.

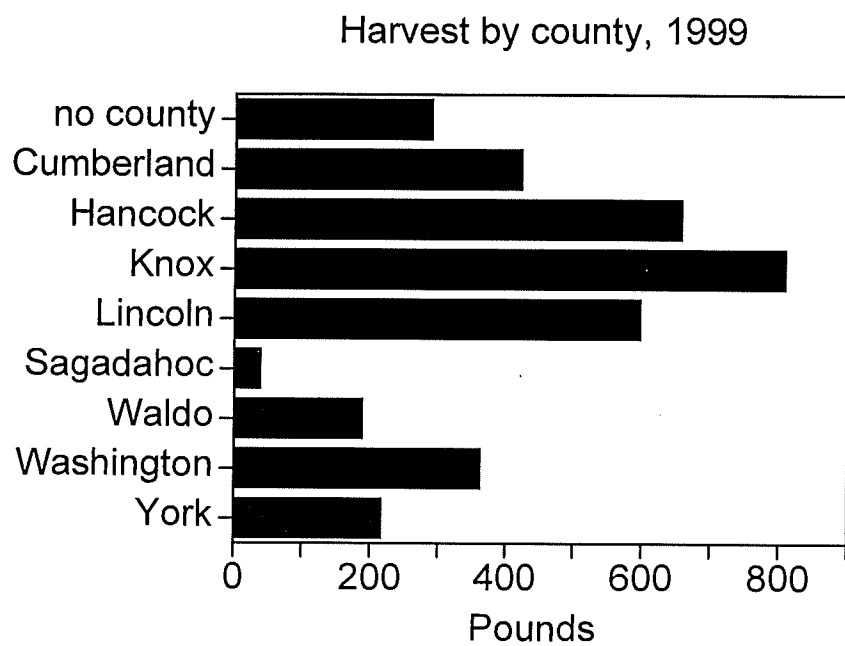
Table 1. Elver fishery statistics, 1977-1999. Dealer reporting of purchases became mandatory in 1998; purchases in previous years are underreported. Information on number of harvesters and amount of gear is not available before 1996 because elver licenses were not required before this year.

Year	Dealer purchases (pounds)	Number of fyke nets	Number of dip nets	Total number of nets	Number of licenses
1999	3,587	808	434	1,242	741
1998	14,360	3,806	2,111	5,917	2,314
1997	7,360	1,844	1,283	3,127	1,399
1996	10,193	2,632	2,075	4,707	2,207
1995	16,599				≤ 1,868
1994	7,374				
1978	16,645				
1977	22,000				

Table 2. Location and number of elver fyke nets in Maine on March 27, 1999.

Location	Number of fyke nets
Perkins Cove, Ogunquit	1
Mousam River	5
Presumpscot River	9
Royal River	3
Sebasco Estates	2
Nequasset Stream	2
Montsweag Brook	7
Boothbay Harbor	6
Pemaquid River	44
Round Pond	1
Muscongus	4
Medomak River, Waldoboro	43
St. George River, Warren	47
Mill River, Thomaston	6
Tenants Harbor	15
Rockport	18
Megunticook River, Camden	16
Ducktrap River, Lincolnville	1
Passagassawakeag River	12
Goose River, Belfast	3
Sandy Point	2
Penobscot	7
Salt Pond	7
Blue Hill	3
Somesville	9
Union River, Ellsworth	5

Figure 1. Elver purchases by county in 1999.



APPROVED

CHAPTER

MAR 11 '99

7

STATE OF MAINE

BY GOVERNOR

PUBLIC LAW

IN THE YEAR OF OUR LORD
NINETEEN HUNDRED AND NINETY-NINE

S.P. 303 - L.D. 905

An Act Concerning the 1999 Elver Fishery

Emergency preamble. Whereas, Acts of the Legislature do not become effective until 90 days after adjournment unless enacted as emergencies; and

Whereas, the elver fishery has sustained a doubling in fishing effort in one year; and

Whereas, it is important that this fishery be managed as a sustainable fishery; and

Whereas, the level of fishing pressure experienced in the fishery places this resource at risk; and

Whereas, the fishing season in this fishery commences March 15th of this year; and

Whereas, in the judgment of the Legislature, these facts create an emergency within the meaning of the Constitution of Maine and require the following legislation as immediately necessary for the preservation of the public peace, health and safety; now, therefore,

Be it enacted by the People of the State of Maine as follows:

Sec. 1. 12 MRSA §6001, sub-§13-H, as enacted by PL 1997, c. 91, §2, is amended to read:

13-H. Elver dip net. "Elver dip net" means a dip net with a hoop of not more than 30 inches in diameter and fitted with netting that measures 1/8 inch bar mesh or less.

Sec. 2. 12 MRSA §6505-A, sub-§2, as enacted by PL 1995, c. 536, Pt. A, §8, is amended to read:

2. Eligibility. An elver fishing license may be issued only to an individual- who:

A. During the 1996 elver fishing season held an eel fishing license under former section 6505 or an elver fishing license and paid fees for the use of elver fyke nets, Sheldon eel traps or dip nets in accordance with Public Law 1995, chapter 536, Part A, section 12; and

B. During the 1997 and 1998 elver fishing seasons held an elver fishing license issued under this section.

Sec. 3. 12 MRSA §6505-A, sub-§3, as enacted by PL 1995, c. 536, Pt. A, §8, is amended to read:

3. Limits on issuance. The department may not issue an elver fishing license ~~after--March--15th--and--before--June--16th~~ during the open season for elver fishing.

Sec. 4. 12 MRSA §6505-A, sub-§5, as amended by PL 1997, c. 297, §2, is further amended to read:

5. Gear. --A- Except as prohibited by section 6575-B, subsection 2-A, a person issued a license under this section may utilize one elver fyke net, one Sheldon eel trap or one dip net to fish for or take elvers without paying the fee required for a first net or trap pursuant to section 6505-B. A license issued under this section must identify the number and types of nets that the license holder may use pursuant to this section and section 6505-B.

Sec. 5. 12 MRSA §6505-A, sub-§§6 and 7 are enacted to read:

6. Minimum age. It is unlawful for a person who is under 15 years of age to fish for or take elvers.

7. Nonresident licenses; reciprocity with other states. A nonresident is eligible to purchase an elver fishing license only if the nonresident documents to the commissioner that the nonresident's state of residence allows Maine residents to purchase an elver license and fish for elvers in that state.

Sec. 6. 12 MRSA §6505-B, sub-§1, as amended by PL 1997, c. 297, §§3 and 4, is further amended to read:

1. Elver fyke net and Sheldon eel trap fee. It is unlawful for a person to submerge an elver fyke net or a Sheldon eel trap in the coastal waters of the State to fish for or take elvers unless the net or trap owner pays annually the following fees:

A. Fifty dollars per net or trap for the use of a first- or 2nd an elver fyke net or Sheldon eel trap, except that the fee under this paragraph does not apply to an elver fyke or Sheldon eel trap a person utilizes pursuant to section 6505-A, subsection 5. ~~For the purposes of assessing fees under this subsection, an elver fyke net or Sheldon eel trap utilized pursuant to section 6505-A, subsection 5 is the first net or trap;~~

~~B. One hundred dollars per net or trap for the use of a 3rd elver fyke net or Sheldon eel trap; and~~

~~C. Two hundred dollars per net or trap for the use of a 4th and 5th elver fyke net or Sheldon eel trap.~~

Sec. 7. 12 MRSA §6575, as amended by PL 1997, c. 91, §4, is further amended to read:

§6575. Open season; elver harvesting

1. Open season. It is unlawful for a person to fish for or take elvers within the coastal waters of the State ~~from June 16th to noon on March 15th of the following year~~ except during the open season from noon on March 22nd to noon on May 31st.

2. Setting nets and traps. It is unlawful for a person to immerse or leave immersed ~~a~~ an elver fyke net or a Sheldon eel trap in any river, stream or brook of the coastal waters of the State ~~from February 15th to noon of March 15th~~ at any time other than the open season for elver fishing.

3. Locating nets. It is unlawful ~~between February 15th and noon of March 15th~~ for a person to designate or claim by any means a location in which to set an elver fyke net or a Sheldon eel trap ~~would be placed or set~~ at any time other than the open season for elver fishing.

~~4. Nets of certain sizes. It is unlawful for a person to immerse or leave immersed in the coastal waters of the State a fyke net, Sheldon eel trap or dip net fitted with netting that measures 1/8 inch bar mesh or less from midnight of June 15th to noon of March 15th of the following year.~~

Sec. 8. 12 MRSA §6575-A, as amended by PL 1997, c. 575, §3, is further amended to read:

§6575-A. Closed period; elver harvesting

It is unlawful for a person to fish for or take elvers from noon Friday to noon Sunday. A person may leave an elver fyke net or a Sheldon eel trap in the ~~eastal~~ waters of the State during the closed period if the net or trap is left in a condition that prevents the capture of elvers. The terminal portion of a fyke net cod end must contain a rigid device with an opening not less than 3 inches in diameter and not exceeding 6 inches in length that is unobstructed by any other portion of the net.

Sec. 9. 12 MRSA §6575-B, sub-§2, as enacted by PL 1995, c. 536, Pt. A, §9, is repealed.

Sec. 10. 12 MRSA §6575-B, sub-§2-A is enacted to read:

2-A. Number of nets and Sheldon eel traps. A person may not immerse at any one time a total of more than 2 elver dip nets, elver fyke nets and Sheldon eel traps. In determining the number of traps or nets that may be immersed, the following formula must be used. A person may not immerse:

A. A number of elver dip nets that is greater than the average number, rounded down, of elver dip nets that person was authorized to use during the past 3 elver fishing seasons for which that person held a license;

B. A number of elver fyke nets that is greater than the average number, rounded down, of elver fyke nets that person was authorized to use during the past 3 elver fishing seasons for which that person held a license; and

C. A number of Sheldon eel traps that is greater than the average number, rounded down, of traps that person was authorized to use during the past 3 elver fishing seasons for which that person held a license.

However, if the number arrived at using the formula is greater than 2 nets or traps, the maximum number of traps and nets that may be immersed may not exceed 2.

Sec. 11. 12 MRSA §6575-B, sub-§3, as amended by PL 1997, c. 91, §5, is further amended to read:

3. **Rebuttable presumption.** It is a rebuttable presumption that an elver fyke net, Sheldon eel trap or elver dip net immersed in any ~~eastal~~ waters of the State ~~from noon of March 15th to midnight of June 15th~~ at any time of the year is immersed for the purpose of fishing for or taking elvers.

Sec. 12. 12 MRSA §6575-B, sub-§§6 and 7 are enacted to read:

6. Prohibition on fishing from artificial platforms. A person may not build or use an artificial platform to fish for elvers. This subsection does not prohibit fishing for elvers from piers or floats established for purposes other than elver fishing.

7. Bycatch release. A person immediately shall return alive into the waters of the State any species other than elver that is caught in an elver fyke net.

Sec. 13. 12 MRSA §6575-C, sub-§§5 to 7 are enacted to read:

5. Fyke net placement. A person may not place or set an elver fyke net or take elvers from an elver fyke net when any portion of the net, including any anchoring device, is located within an imaginary line between the wing ends of another elver fyke net. Cod end anchoring devices may not exceed 10 feet in length and wing end anchoring devices may not interfere with or create a hazard to navigation within the middle 1/3 of a navigable watercourse. A marine patrol officer may open the cod end of a net that is located in violation of this subsection.

6. Obstructing elver fyke nets. A person may not set an elver fyke net or place an obstruction near an elver fyke net in a manner that interferes with the operation of an elver fyke net.

7. Rulemaking; gear placement. If necessary to conserve the elver resource, the commissioner may adopt rules pursuant to section 6171 relating to placement of elver fishing gear based on the configuration of specific rivers, streams, brooks or other watercourses. Rules adopted pursuant to this subsection are routine technical rules as defined in Title 5, chapter 375, subchapter II-A.

Sec. 14. 12 MRSA §6575-D, sub-§1, as enacted by PL 1995, c. 536, Pt. A, §9, is amended to read:

1. Prohibition. ~~It is unlawful for any~~ A person other than a marine patrol officer or the license holder issued a tag for an elver fyke net or a Sheldon eel trap ~~to~~ may not utilize, transfer, alter, possess or in any manner handle the net or trap unless that person has been issued an elver fishing license under section 6505-A and:

~~A. -- Is in the presence of the license holder issued a tag for the net or trap and has the license holder's permission to tend the net or trap; or~~

B. Is issued written permission by a marine patrol officer to tend the net or trap of a license holder issued a tag. A marine patrol officer may issue a person written permission for the person to tend the license holder's net or trap only for the purpose of releasing captured elvers into the waters of the State if the license holder can not tend the net or trap because of a disability or personal or family medical condition. If the license holder is unable to tend the net or trap for more than 2 weeks, the net or trap must be removed from the water.

Sec. 15. 12 MRSA §6864, sub-§6 is enacted to read:

6. Reporting. The commissioner shall require the holder of an elver dealer's license to submit monthly reports to the department with data on the harvest of elvers. The commissioner may deny an application for the renewal of an elver dealer's license if the dealer fails to report the information required pursuant to this subsection.

Sec. 16. Report; legislation. The Commissioner of Marine Resources shall study the harvest of elvers during the 1999 season and make recommendations regarding any changes to the number of licenses and gear restrictions for the 2000 elver fishing season. The commissioner shall by September 1, 1999 convene a meeting with representatives of the elver fishing industry and other interested parties to review the commissioner's findings and recommendations and, by November 1, 1999, submit the findings and recommendations to the Joint Standing Committee on Marine Resources.

The Joint Standing Committee on Marine Resources may report out legislation concerning elver fishing during the Second Regular Session of the 119th Legislature.

Sec. 17. 1999 licenses; eligibility or revocation. A person who purchased an elver fishing license for the 1999 elver fishing season before the effective date of this Act shall document to the Commissioner of Marine Resources by March 22, 1999 that that person complies with the provisions of the Maine Revised Statutes, Title 12, section 6505-A, subsections 2 and 6 and a nonresident who purchased an elver fishing license for the 1999 elver fishing season before the effective date of this Act must also document to the commissioner by March 22, 1999 that that person complies with the provisions of Title 12, section 6505-A, subsection 7. If that person fails to provide the documentation by March 22, 1999, that person's elver fishing license for the 1999 season is revoked and the Commissioner of Marine Resources shall refund to the person all license and gear fees paid by that person.

Sec. 18. Gear fees; refund. A person who purchased an elver fishing license for the 1999 elver fishing season before the effective date of this Act and who paid gear fees for a greater number of nets or traps than that person is authorized to use pursuant to the Maine Revised Statutes, Title 12, section 6575-B, subsection 2-A, shall return any extra tags issued pursuant to section 6505-B, subsection 2 and the Commissioner of Marine Resources shall refund to the person all gear fees paid by that person for gear that the person is not authorized to utilize.

Emergency clause. In view of the emergency cited in the preamble, this Act takes effect when approved.

Appendix B.

§6505-A. Elver fishing license

1. License required. It is unlawful for a person to fish for or take elvers or possess, ship, transport or sell elvers that the person has taken unless the person is issued an elver fishing license under this section.

2. Eligibility. An elver fishing license may be issued only to an individual. who:

~~A. During the 1996 elver fishing season held an elver fishing license under former section 6505 or an elver fishing license and paid fees for the use of elver fyke nets, Sheldon eel traps or dip nets in accordance with Public Law 1995, chapter 536, Part A, section 12; and~~

~~B. During the 1997 and 1998 elver fishing seasons held an elver fishing license issued under this section.~~

A. Held an elver fishing license during the 1999 elver fishing season.
1999, c. 7.

§6575-B. Method of elver fishing; limits on gear

1. Gear. It is unlawful for a person to fish for or take elvers by any method other than by dip net, elver fyke net or Sheldon eel trap.

2. Repealed by P.L. 1999, c. 7.

2-A. Number of nets and Sheldon eel traps. A person may not immerse at any one time a total of more than 2 elver dip nets, elver fyke nets and Sheldon eel traps. *A person may not immerse elver fishing gear other than the types and amounts of gear the person held during the 1999 elver fishing season, except that a person may surrender an elver fyke net in order to obtain an elver dip net.* ~~In determining the number of traps or nets that may be immersed, the following formula must be used. A person may not immerse:~~

~~A. A number of elver dip nets that is greater than the average number, rounded down, of elver dip nets that person was authorized to use during the past 3 elver fishing seasons for which that person held a license;~~

~~B. A number of elver fyke nets that is greater than the average number, rounded down, of elver fyke nets that person was authorized to use during the past 3 elver fishing seasons for which that person held a license; and~~

~~C. A number of Sheldon eel traps that is greater than the average number, rounded down, of traps that person was authorized to use during the past 3 elver fishing seasons for which that person held a license.~~

However, if the number arrived at using the formula is greater than 2 nets or traps, the maximum number of traps and nets that may be immersed may not exceed 2.

1999, c. 7.

Appendix C.

Eel & Elver Management Fund
 Projected Budget
 Fiscal Year 2001
 July 1, 2000 - June 30, 2001

Personal Services	Salaries	Benefits	Total
Marine Resource Scientist I	\$36,504	\$14,590	\$51,094
Marine Resource Technician	\$19,677	\$7,828	\$27,505
Marine Patrol Enforcement Overtime	\$50,000	\$0	\$50,000
Total Personal Services			\$128,599
All Other			
Vehicle, transportation			\$8,500
Mailings & meeting costs			\$2,000
Supplies & minor equipment			\$7,000
Telephone charges (office & cellular)			\$1,090
Computer charges			\$850
Total All Other			\$19,440
Sub Total			\$148,039
State Indirect Costs			\$2,961
Grand Total Budgeted Expenditures			\$151,000

Elver fishery - history of gear and license fees

1996-1997

resident license	\$33
nonresident license	\$334
dip net	\$75
1st fyke	\$100
2nd fyke	\$100
3rd fyke	\$200
4th fyke	\$200
5th fyke	\$200

license + 1 dip + 1 fyke = $\$33 + \$75 + \$100 = \208

license + 2 fykes = $\$33 + \$100 + \$100 = \233

1998-1999

resident license + first piece of gear	\$83
nonresident license + first piece of gear	\$384
dip net	\$50
1st fyke	\$50
2nd fyke	\$50
3rd fyke	\$100
4th fyke	\$200
5th fyke	\$200

license + 1 dip + 1 fyke = $\$83 + \$50 = \$133$

license + 2 fykes = $\$83 + \$50 = \$133$