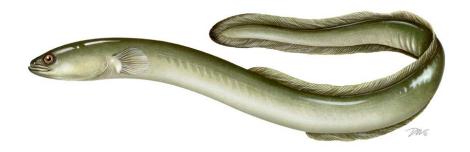


Draft Addendum V



American Eel Management Board February 6, 2018

Outline



- Statement of the Problem
- Potential Timeline of Draft Document
- Overview of Management Options
 - Questions
- Stock Assessment Subcommittee Response to Questions posed by the Allocation Working Group
 - Questions
- Board discussion and potential action

Statement of the Problem

- Yellow eels: Concerns raised about the current management triggers and potential implementation of state by state quotas
- Glass eels: setting Maine's Quota higher than Addendum IV level requires a new addendum
- Motion from October 2017:

Move to initiate an addendum to consider alternative allocations, management triggers, and coastwide caps relative to the current management program for both the yellow and glass eel commercial fisheries starting in the 2019 fishing season.

Potential Timeline



Board Initiated Draft Addendum V	October 2017
Board Considers Approval of Draft Addendum V for Public Comment	February 2018
Public Comment	Feb-Mar 2018
Board Considers Final Action on Addendum	May 2018



Glass Eel

3.1. Options for Maine Glass Eel Quota

- Option 1: Status Quo Maine Glass eel Quota (9,688 pounds)
- Option 2: 2014 Maine Quota (11,479 pounds)

3.2 Proposed Options for Glass Eel Aquaculture Plans

- Option 1: Status Quo (Addendum IV provisions)
- Option 2: Pooling of Harvest allowance across states and jurisdictions



3.1. Options for Maine Glass Eel Quota

 Option 1: Status Quo Maine Glass eel Quota (9,688 pounds)

- Option 2: 2014 Maine Quota (11,479 pounds)
 - 19% increase from 2015-2017 quota
 - But is 35% below 2012 quota level (21,610 pounds)



3.2. Proposed Options for Glass Eel Aquaculture Plans

Option 1: Status Quo (Addendum IV provisions)

 Option 2: Pooling of Harvest allowance across states and jurisdictions

Option 2 for Glass Eel Aquaculture

- -Up to **three contiguously bordered** states and jurisdictions would be allowed to pool their harvest of 200 pounds of glass eels up to a maximum of **600 pounds**.
- -200 pounds would be harvested from each state within the pooled grouping of states and jurisdictions, unless a strong argument to have all eels harvested from a single watershed system is made.
- -Pooling of harvest up to a max of 600 pounds, less than the 750 pounds that requires a life cycle survey, state and jurisdictions pooling harvest of glass eels for domestic aquaculture purposes would not need to implement a life cycle survey.
- -States would <u>no longer need</u> to demonstrate harvest would only occur in watersheds that minimally contribute to spawning stock of American eels

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Draft Addendum V Options

Yellow Eel

3.3 Options for Yellow Eel Coastwide Cap, Trigger, and State Allocation

- Issue 1: Coastwide Cap
 - 3 Options
- Issue 2: Management triggers
 - 3 Options
- Issue 3: Allocation
 - 5 Options, 3 with sub-options
- Issue 4: Transfers
 - 2 Options

Update on Landings information



- Issues with reported yellow eel landings were highlighted on Allocation WG call in late Nov 2017
- All states were asked to confirm landings data or submit new landings information by beginning of January 2018
- New state and coastwide totals differ from data in Assessment Update
- Updated landings now indicate coastwide landings in 2016 were 943,808 pounds
 - Increase from previously reported number

2012-2016



		COMP.			
State	2012	2013	2014	2015	2016
ME	12,775	4,596	4,320	3,559	4,509
MA	462	2,499	3,903	2,255	1,705
RI	1,484	2,244	2,353	1,538	2,651
CT	2,228	546	1,390	2,271	2,445
NY	35,603	42,845	38,143	50,194	36,371
NJ	113,806	90,244	91,225	88,828	67,422
DE	54,304	82,991	62,388	44,708	44,558
MD	590,412	587,872	619,935	493,043	583,578
PRFC	90,037	32,290	49,293	31,588	58,223
VA	121,605	100,379	109,537	86,715	96,336
NC	64,110	33,980	60,755	57,791	39,911
FL	11,845	15,059	14,092	5,632	6,034
Total	1,100,881	997,052	1,057,467	868,122	943,808



Yellow Eel

Issue 1: Coastwide Cap

- Option 1: Status Quo (907,671 pounds)
- Option 2: Cap set at 50th percentile or median of 1998-2016 landings (943,808 pounds)
- Option 3: Cap set at mean of 1998-2016 landings (951,102 pounds)

Note: revised averaged landings from 1998-2010 increased to 916,469 pounds from status quo Cap



Yellow Eel

Issue 2: Management triggers

- Option 1: Status Quo (two triggers)
 - − 1) exceed the Coastwide Cap by 10% in given year
 - 2) exceed the Coastwide Cap for two consecutive years, regardless of overage
- Option 2: <u>One</u> year trigger of exceeding the Coastwide Cap by 10%
- Option 3: <u>Two</u> year trigger of exceeding the Coastwide Cap by 10%

Please note: management trigger could rise to 1.04 million pounds under Issue 1, Option 3 (4.78%) increase from status quo

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Draft Addendum V Options

Yellow Eel

Issue 3: Allocation

- Option 1: Status Quo state by state quotas
- Option 2: no state-by-state quotas (2 sub-options)
- Option 3: Modified Addendum IV Quotas
- Option 4: Simple Time series Average of Yellow eel landings (2 sub-options)
- Option 5: Allocation based on Weighted Time series Average of Yellow eel landings (2 sub-options)



Yellow Eel

Issue 3: Allocation

Option 2: no state-by-state quotas (2 sub-options)

- Sub-Option 2A: Equitable Reduction
 - States will collectively develop measures to achieve needed reduction; process not specified
- Sub Option 2B: 1% rule for states to reduce landings
 - Only states with >1% of coastwide landings take the reduction; those states will collectively develop measures to achieve needed reduction



Yellow Eel

Issue 3: Allocation

Option 3: Modified Addendum IV Quotas

- 1) States assigned quota cannot exceed their 2012-2016 average landings by more than 25%
- 2) 2,000 pound min quota for NH, MA, CT, SC, and GA redistributed to remaining states; all assigned 1,000 pounds now
- 3) ME's quota set at 2012-2016 avg landings (5,952 pounds)
- Remainder quota from above added to NY, MD, VA quotas, with additional added to MD

State	Avg harvest 2012-2016 (pounds)	Addendum IV allocation in pounds	% change: Avg 2012-2016 harvest to Addendum IV quota	Addendum V option 3 quotas	% change: Avg 2012-2016 harvest to option 3 quota
ME	5,952	3,907	-34.356	5,907	-0.7
NH		2,000		1,000	
MA	2,165	2,000		1,000	
RI	2,054	4,642	125.998	2,551	24.2
СТ	1,776	2,000		1,000	
NY	40,631	15,220	-62.541	32,613	-19.7
NJ	90,305	94,899	5.087	94,187	4.3
DE	57 <i>,</i> 790	61,632	6.649	61,170	5.8
MD	574,968	465,968	-18.958	481,788	-16
PRFC	52,286	52,358	0.137	51,965	-0.6
VA	102,914	78,702	-23.527	95,619	-7.1
NC	51,309	107,054	108.644	63,818	24.4
SC		2,000		1,000	
GA		2,000		1,000	
FL	10,532	13,287	26.154	13,051	23.9
Coastwide		907,669		907,669	



Yellow Eel

Issue 3: Allocation

- Option 4: Simple Time series Average of Yellow eel landings (2 sub-options)
 - Sub Option 4A: Average Landings over recent 10-year time series (2007-2016)
 - Sub Option 4B: Average Landings over recent 5-year time series (2012-2016)

4A: Avg Landings 10-year ('07-'16)

State	Addendum IV Percentage Allocation	Addendum IV Quota	Percentage Allocation under Option 4A	New Quota under Option 4A
ME	0.430%	3,907	0.57%	5,217
NH	0.220%	2,000	0.01%	61
MA	0.220%	2,000	0.20%	1,776
RI	0.511%	4,642	0.32%	2,928
СТ	0.220%	2,000	0.17%	1,555
NY	1.677%	15,220	3.05%	27,696
NJ	10.455%	94,899	11.44%	103,808
DE	6.790%	61,632	7.56%	68,661
MD	51.337%	465,968	53.65%	486,947
PRFC	5.768%	52,358	5.97%	54,201
VA	8.671%	78,702	9.88%	89,719
NC	11.794%	107,054	5.89%	53,429
SC	0.220%	2,000	0.00%	3
GA	0.220%	2,000	0.05%	436
FL	1.464%	13,287	1.24%	11,232
Coastwide	100.000%	907,669	100.00%	907,669

4B: Avg Landings 5-year ('12-'16)

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State	Addendum IV Percentage Allocation	Addendum IV Quota	Percentage Allocation under Option 4B	New Quota under Option 4B
ME	0.430%	3,907	0.60%	5,438
NH	0.220%	2,000	0.01%	50
MA	0.220%	2,000	0.22%	1,978
RI	0.511%	4,642	0.21%	1,877
CT	0.220%	2,000	0.18%	1,623
NY	1.677%	15,220	4.09%	37,122
NJ	10.455%	94,899	9.09%	82,506
DE	6.790%	61,632	5.82%	52,799
MD	51.337%	465,968	57.87%	525,313
PRFC	5.768%	52,358	5.26%	47,771
VA	8.671%	78,702	10.36%	94,027
NC	11.794%	107,054	5.16%	46,878
SC	0.220%	2,000	0.00%	1
GA	0.220%	2,000	0.07%	665
FL	1.464%	13,287	1.06%	9,623
Coastwide	100.000%	907,669	100.00%	907,669



Yellow Eel

Issue 3: Allocation

- Option 5: Allocation based on Weighted Time series
 Average of Yellow eel landings (2 sub-options)
 - Sub Option 5A: 50 % of the time series (1998-2016) and 50% of the recent 10 years (2007-2016)
 - Sub Option 5B: Weighted average: 50 % of the time series (1998-2016) and 50% of the recent 5 years (2012-2016)

5A: 50 % of (19 yr) and 50% of (10 yr)

State	Addendum IV Percentage Allocation	Addendum IV Quota	Percentage Allocation under Option 5A	New Quota under Option 5A
ME	0.430%	3,907	0.745%	6,759
NH	0.220%	2,000	0.009%	79
MA	0.220%	2,000	0.243%	2,209
RI	0.511%	4,642	0.540%	4,899
CT	0.220%	2,000	0.222%	2,017
NY	1.677%	15,220	2.707%	24,570
NJ	10.455%	94,899	11.209%	101,743
DE	6.790%	61,632	8.915%	80,920
MD	51.337%	465,968	48.673%	441,788
PRFC	5.768%	52,358	8.298%	75,319
VA	8.671%	78,702	10.315%	93,624
NC	11.794%	107,054	6.911%	62,731
SC	0.220%	2,000	0.000%	2
GA	0.220%	2,000	0.041%	376
FL	1.464%	13,287	1.171%	10,632
Coastwide	100.000%	907,669	100.000%	907,669

5B: 50 % of (19 yr) and 50% of (5 yr)

State	Addendum IV Percentage Allocation	Addendum IV Quota	Percentage Allocation under Option 5B	New Quota under Option 5B
ME	0.430%	3,907	0.755%	6,849
NH	0.220%	2,000	0.008%	73
MA	0.220%	2,000	0.254%	2,305
RI	0.511%	4,642	0.477%	4,333
СТ	0.220%	2,000	0.225%	2,045
NY	1.677%	15,220	3.243%	29,432
NJ	10.455%	94,899	10.014%	90,891
DE	6.790%	61,632	8.002%	72,636
MD	51.337%	465,968	50.906%	462,057
PRFC	5.768%	52,358	7.902%	71,721
VA	8.671%	78,702	10.551%	95,767
NC	11.794%	107,054	6.527%	59,247
SC	0.220%	2,000	0.000%	1
GA	0.220%	2,000	0.054%	493
FL	1.464%	13,287	1.082%	9,819
Coastwide	100.000%	907,669	100.000%	907,669



Yellow Eel

Issue 4: Transfers

- Option 1: Status Quo (No Transfers after December 31)
- Option 2: Extend Transfer through April 1 of the following fishing season
- Note: Black Sea Bass and Scup are the only FMPs that allow transfers past the end of the fishing season and specify a cut-off date (45 days after the last day of the fishing season; Feb 15)



Questions?



Extra Slides

Landings 1998-2006



	Year										
State	1998	1999	2000	2001	2002	2003	2004	2005	2006		
ME	0	0	0	9,007	11,617	15,312	29,646	17,189	27,489		
MA	3,456	3,456	2,976	3,867	3,949	4,047	5,328	3,073	3,676		
RI	967	140	25	14,357	22,965	24,883	19,858	22,001	1,034		
CT	5,606	10,250	4,643	1,724	3,710	1,868	1,374	337	3,443		
NY	16,867	7,882	5,824	18,192	30,930	8,296	5,354	27,726	10,601		
NJ	94,327	90,252	45,393	57,700	64,600	100,701	120,607	148,127	158,917		
DE	131,478	128,978	119,180	121,515	99,529	155,516	137,489	111,200	123,994		
MD	301,833	305,812	259,552	271,178	208,659	346,412	273,142	378,659	362,966		
PRFC	209,008	163,351	208,549	213,440	128,595	123,450	116,263	103,628	83,622		
VA	123,837	183,255	114,972	97,032	75,549	121,091	123,812	66,956	82,756		
NC	91,084	99,939	127,099	107,070	59,940	172,065	128,875	49,278	33,581		
FL	13,819	17,533	6,054	14,218	7,587	8,486	7,330	3,913	1,248		
Total	992,741	1,011,093	894,577	929,523	717,698	1,082,614	969,318	932,087	894,192		

Landings 2007-2015



	Year									
State	2007	2008	2009	2010	2011	2012	2013	2014	2015	
ME	14,251	3,882	2,285	2,605	2,666	12,775	4,596	4,320	3,559	
MA	2,853	3,297	1,217	322	368	462	2,499	3,903	2,255	
RI	1,230	8,866	4,855	3,860	2,038	1,484	2,244	2,353	1,538	
CT	935	6,046	435	167	60	2,228	546	1,390	2,271	
NY	14,881	15,025	12,676	12,179	36,451	35,603	42,845	38,143	50,194	
NJ	169,902	137,687	118,533	105,089	120,576	113,806	90,244	91,225	88,828	
DE	139,647	80,002	59,619	69,355	92,181	54,304	82,991	62,388	44,708	
MD	343,141	381,993	335,575	524,768	715,162	590,412	587,872	619,935	493,043	
PRFC	97,361	71,655	58,863	57,755	29,010	90,037	32,290	49,293	31,588	
VA	56,512	84,031	117,974	77,263	103,222	121,605	100,379	109,537	86,715	
NC	37,937	23,833	65,481	122,104	61,960	64,110	33,980	60,755	57,791	
FL	7,379	15,624	6,824	11,287	25,601	11,845	15,059	14,092	5,632	
Total	886,470	832,475	784,420	986,937	1,189,455	1,100,881	997,052	1,057,467	868,122	

1998-2016 Yellow eel Landings

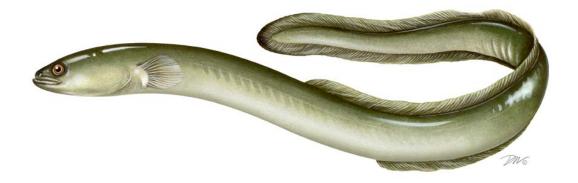


Year	ME	NH	MA	RI	СТ	NY	NJ	DE	MD	PRFC	VA	NC	SC	GA	FL	Total
1998	G		3,456	967	5,606	16,867	94,327	131,478	301,833	209,008	123,837	91,084			13,819	992,741
1999	0		3,456	140	10,250	7,882	90,252	128,978	335,812	163,351	183,255	99,939			17,533	1,011,093
2000	G		2,976	25	4,643	5,824	45,393	119,180	259,552	238,549	114,972	127,099			6,054	894,577
2001	9,007		3,867	14,35/	1,/24	18,192	57,700	121,515	2/1,1/8	213,440	97,032	107,070			14,218	929,523
2002	11,617		3,949	22,965	3,710	30,930	64,600	99,529	238,559	128,595	75,549	59,940			7,587	717,698
2003	15,312		4,047	24,883	1,868	8,296	100,701	155,516	346,412	123,450	121,091	172,065			8,486	1,082,614
2004	29,646		5,328	19,858	1,374	5,354	120,607	137,489	273,142	116,263	123,812	128,875			7,330	969,318
2005	17,189	Time series	3,073	22,001	337	27,726	148,127	111,200	378,559	133,528	66,956	49,278	Time series	Time series	3,913	932,087
2006	27,489	average of	3,676	1,034	3,443	10,601	158,917	123,994	362,966	63,522	82,756	33,581	average of	average of	1,248	894,192
2007	14,251	less than 400	2,853	1,230	935	14,881	169,902	139,647	343,141	97,361	56,512	37,937	_	less than 400	7,379	886,470
2008	3,882	pounds	3,297	8,866	6,046	15,025	137,687	80,002	361,993	71,655	84,031	23,833	pounds	pounds	15,624	832,475
2009	2,285	· .	1,217	4,653	435	12,676	118,533	59,619	335,575	58,863	117,974	65,461	poulus	peurius	6,824	784,420
2010	2,605		322	3,860	167	12,179	105,089	69,355	524,768	57,755	77,263	122,104			11,287	986,937
2011	2,666		368	2,038	60	36,451	120,576	92,181	715,162	29,010	103,222	61,960			25,601	1,189,455
2012	12,775		462	1,484	2,228	35,603	113,806	54,304	590,412	90,337	121,605	64,110			11,845	1,100,881
2013	4,596		2,499	2,244	546	42,845	90,244	82,991	567,872	32,290	100,379	33,980			15,059	997,052
2014	4,320		3,903	2,353	1,390	38,143	91,225	62,388	619,935	49,293	109,537	60,755			14,092	1,057,467
2015	3,559		2,255	1,538	2,271	50,194	88,828	44,708	493,343	31,588	86,715	57,791			5,632	868,122
2016	4,509		1,705	2,651	2,445	36,371	67,422	44,558	563,578	58,223	96,336	39,911			6,034	943,808

Note: Due to data confidentiality rules, annual lancings for New Hampshire, South Carolina, and Georgia are not shown rather the time series landings average of less than 400 pounds.



Stock Assessment Subcommittee Report



Overview



 Several questions were posed to the SAS by the American Eel Allocation Working Group

 SAS met via conference call on January 24 to discuss questions and review the document

 SAS recommends the TC review the draft addendum before public comment

Question 1 from WG



Provide feedback on the accuracy of the following statement:

American eels reach maturity at a younger age and smaller size in estuarine water than in fresh water (Clark 2009), and the 19-year time series of landings likely represents at least two generations (COSEWIC 2012) of estuarine yellow eels that have been exposed to the yellow eel fishery. Given the American eel's panmictic life history, if the fishery were causing a population decline, that population decline should be evident in all areas of its range, especially the areas of maximum exploitation.

SAS Response



- SAS agreed this statement is incorrect
- Stocks often decline from the edges inward
 - Range outside of US and ASMFC jurisdiction
 - Assessment tracks trends in estuarine, not FW areas
 - Detecting hyperstability difficult for data-poor species
- Statement does not consider how sex ratios and maturation varies latitudinally
- "No trend" in several indices means not increasing or decreasing
- Stock is stable, but low and depleted

Question 2 from WG



In considering new proposed Coastwide Landings Cap above the status quo, what are the implications for the stock if the coastwide cap is set a different (higher) level than its current level of 907,671 pounds?

SAS Response



- None of the proposed options are a 12% reduction from the time series average as was suggested by the TC prior to Addendum IV to decrease mortality across all life stages
 - In 2014, TC suggested a 12% reduction to 1998-2010 average (798,751 lbs) was precautionary; Board chose time series average of 907,671 lbs
- American eel is data poor and the assessment does not have reference points, cannot run projections to address different removal levels
- Current levels of harvest may not allow for rebuilding

Recalculation of TC Advice (2014)



- SAS did not review this table, but did reference the TC memo of 2014 and the 12% reduction:
 - What should the reduction be for the yellow eel fishery?
 - Annual harvest fluctuated; CV of 12%
 - Any reduction less than 12% is likely not to provide a measurable harvest reduction

	Average Landings (lbs)	With 12% Reduction
Baseline Harvest (1998-2010)	907,671	798,751
Baseline Harvest (1998-2010) Revised Landings	916,473	806,496
Baseline Harvest (1998-2016)	951,102	836,969

Question 3 from the WG



In considering changes to the current
Management Triggers, what is the impact to the
resource if the current coastwide cap is
exceeded by two current management triggers
(1. 10% overage= harvest at or above 998,438
pounds in one year; 2. Any overage of 907,671
pounds for two consecutive years)?

SAS Response



- Current stock assessment is not quantitative enough to answer this questions but given the depleted status, increasing the cap will hamper rebuilding possibilities and reduce the stocks ability to expand
- Stock status has not changed, stock remains depleted and at historic low levels
- SAS is unclear about Board's management goals
 - Maintaining current levels or rebuilding from depleted
 - Level of risk willing to take

Question 4 from WG



What type of guidance can the SAS/Technical Committee provide the Board in addressing overages of the Coastwide Cap?

SAS Response



 SAS was in agreement that is an allocation issue, not a biological or population issue

 Decisions depend on rebuilding targets if the Board intends to rebuild the stock

Response to Proposed Aquaculture Plan



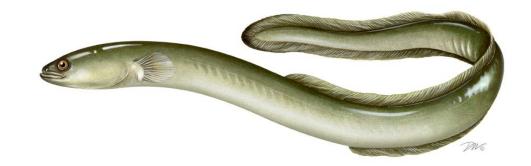
- While proposal does not increase coastwide allocation of glass eel for aquaculture, it does increase access and increase glass eel harvest
- May not affect overall population, but increasing the harvest without requiring any data collection continues to inhibit the progress of the stock assessment
- With depleted status, harvesting more eels at any stage likely will not improve the stock and may be detrimental



Questions?



2017 American Eel FMP Review



American Eel Management Board February 6, 2018

Outline



- Status of the FMP
- Stock Status
- Status of the Fishery
 - Commercial
 - Recreational
- State Compliance with FMP
- PRT Recommendations

Status of the FMP



- No new addenda were initiated in 2016
- Another plan was submitted, and approved, for the American Eel Farm for the 2017 season
- Any state that harvests over 750 lbs of glass eel a year must implement a fisheryindependent life cycle survey
 - Maine implemented their survey in 2016; no data was collected due staffing issues. The TC anticipates receiving an update on the 2017 survey results later this year.

Stock Status: 2017 Stock Assessment



- American eel stock status remains depleted.
- No reference points for management use were approved from the 2012 Stock Assessment, and no new reference points were developed during the Update.
- Given the continued depleted status of the resource, the Board initiated an addendum to consider alternative allocations, management triggers, and coastwide caps for both the yellow eel fishery and Maine's quota for the glass eel fisheries (2017).

Status of the Fishery: Commercial



- State-reported landings of yellow/silver eels were 865,070 lbs in 2015 and 937,346 lbs in 2016.
 - 8.4% increase from 2015 to 2016
 - Maryland and Virginia account for 72.5% of harvest
- Landings of glass eels were reported from Maine and South Carolina.
 - 5,442 lbs in 2015
 - 9,399.61 lbs in 2016

Status of the Fishery: Recreational



- As of 2009, recreational data are no longer provided for American eel in CRs.
- This is a result of the unreliable design of MRIP that focuses on active fishing sites along coastal and estuarine areas and the high associated PSE.



Glass Eel Fishery Regulations

- All states must implement YOY survey (2000)
- All states must maintain regulations (2000)
- Max of 25 pigmented eels per one pound of glass eels. Use 1/8" mesh to grade eels (2014)
- Maine glass eel quota of 9,688 lbs with payback (2015)
- Maine implements swipe card monitoring program for daily reporting (2014/2015):
 - Harvester to dealer
 - Dealer to dealer
 - Export from state
- Maine is required to implement life cycle survey (2015)
- No change in regulations



Glass Eel Fishery Regulations

PRT Review (from 2017):

 No noted issues on glass eel regulations from state compliance reports

Yellow Eel Fishery Regulations (both Com and Rec)

- Increase in minimum size to 9" (2014)
- ½" x ½" min mesh size for yellow eel pots
- Allowance of 4x4" escape panel of ½" x ½" mesh
- Recreational 25 fish bag limit per day per angler
- Crew and captain allowed 50 fish bag limit per day
- Coastwide harvest cap of 907,671 lbs; the 1998-2010 average harvest (2015)
- State by state allocation triggered if quota exceeded by 10% in one year or by any amount for two years
- State by state quota requires payback and allows transfers
- No change in regulations



Yellow Eel Fishery Regulations (both Com and Rec)

PRT Review (from 2017):

 No noted issues on yellow eel regulations from state compliance reports



Silver Eel Fishery Regulations

- Seasonal closure from Sept 1 Dec 31, no take except from baited pots/traps and spears (2015)
- One year exemption for weir fishery in Delaware River and its tributaries in NY (2014)
- NY weir fishery exemption continued, but restricted to 9 permits that may be transferred (2015)
- No change in regulations



Silver Eel Fishery Regulations

PRT Review (from 2017):

 No noted issues on silver eel regulations from state compliance reports



Other Management Measures

- Trip level reporting by both harvesters and dealers at least monthly
- Sustainable fishery management plans:
 - Fishing Mortality Plan
 - -Transfer Plan quota from yellow to glass
 - Aquaculture Plan: 200 pounds of glass eels if can demonstrate watershed contributes minimally to spawning stock
- All plans must scientifically demonstrate that they will not increase overall fishing mortality
- No change in regulations



Other Management Measures

PRT Review (from 2017):

 Only issue from state compliance reports is that DC has not submitted one

 UPDATE: DC submitted a compliance report on February 5th and continues to not have commercial fishery, landings, nor recreational data

De minimis



- FMP stipulates that states may apply for *de minimis* status for each life stage if, for the preceding two years, their average commercial landings constitute less than 1% of the coastwide commercial landings for that life stage.
- New Hampshire, Massachusetts, Pennsylvania, South Carolina, Georgia, and Florida requested de minimis status for their yellow eel fisheries.
- All states that applied for de minimis status for yellow eels met the 1% landings criteria; District of Columbia also met this criteria as well.
- South Carolina requested de minimis status for glass eels, but <u>did not</u> meet the 1% landings criteria.

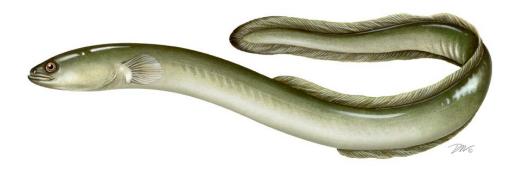
PRT Recommendations



- The PRT recommends the Board consider state compliance as mentioned. Additionally:
 - Consider reevaluating of requirement that states provide estimates of the percent harvest going to food versus bait
 - States work with law enforcement agencies to include information on illegal or undocumented fisheries
 - PRT request NY work to separate yellow and silver eel landings
 - States quantify upstream and downstream passage, and provide information to the TC for evaluation



2017 American Eel Advisory Panel (AP) Call Summary



American Eel Management Board February 6, 2018

American eel AP Call Agenda



The AP met via conference call on December 21st to receive presentations on:

- The 2017 Stock Assessment Update
- Recent Technical Committee work
- An update on recent Management Board activity

Stock Assessment Update



- Jeff Brust (SAS Chair) presented an overview of the Assessment Update Report
 - Resource remains depleted
- AP: Questions were posed on whether fishing license data could be used to get a stock size in the 1970s
 - Most states didn't have license data until the 1990s
- The AP encouraged the SAS to collaborate with Canada DFO to conduct a range wide assessment

Recent Technical Committee work

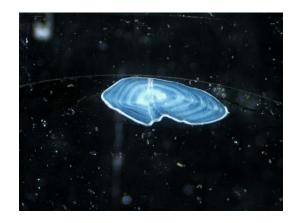


- Kristen Anstead presented on:
 - the Ageing Workshop (January 2018)
 - Recent analysis on YOY surveys,
 and
 - Nematode Research conducted by Zoemma Warshafsky









Recent Board Activity



- Highlighted recent Board approval on NC's aquaculture proposals (2016-2017) and Draft Addendum V
 - An AP member requested the addendum consider an option for the pooling of glass eel aquaculture harvest among multiple states
 - Interest stemmed from high market price for glass eels
- The AP will have an opportunity to comment on Draft Addendum V during public comment
 - That AP report will be presented to the Board at the next meeting

Other Business



- Mari-Beth Dulcia (AP Chair) brought up that IUCN is going through a re-assessment of the resource in 2018
 - IUCN currently lists American eel on their 'red list'
 - Designation is used to guide the prioritization of conservation initiates by governments, NGOs, and scientific institutions
 - IUCN does not have management authority, but can influence public perception and international trade
- Any new information will be shared with the AP and Board once available



Questions?