

Notice of Proposed Rulemaking

COMMONWEALTH OF PENNSYLVANIA PENNSYLVANIA FISH AND BOAT COMMISSION

Title 58. Recreation Part II. Fish and Boat Commission Chapter 75 Fishing

Preamble

The Fish and Boat Commission (Commission) proposes to amend 58 Pa. Code Chapter 75 (relating to endangered species). The Commission is publishing this proposed rulemaking under the authority of 30 Pa. C.S. (relating to the Fish and Boat Code) (code). The proposed amendments add the northern redbelly dace, northern cricket frog and blue-spotted salamander to the list of endangered species. The proposed amendments also remove the silver chub from the list of endangered species, the mooneye, goldeye and skipjack herring from the list of threatened species and the brook silverside from the list of candidate species.

A. *Effective Date*

The proposed rulemaking, if approved on final-form rulemaking, will go into effect immediately upon publication of an order in the *Pennsylvania Bulletin*.

B. *Contact Person*

For further information on the proposed rulemaking, contact Jason E. Oyler, Esq., P.O. Box 67000, Harrisburg, PA 17106-7000, (717) 705-7810. This proposal is available electronically through the Commission's website at www.fish.state.pa.us.

C. *Statutory Authority*

The proposed amendments to §§75.1, 75.2 and 75.3 (relating to endangered species; threatened species; and candidate species) are published under the statutory authority of section 2305 of the code (relating to threatened and endangered species).

D. *Purpose and Background*

The proposed rulemaking is designed to update, modify and improve the Commission's regulations pertaining to endangered, threatened and candidate species. The specific purpose of the proposed amendments is described in more detail under the summary of proposal.

E. *Summary of Proposal*

Proposed Additions to the Endangered Species List

(1) Northern Redbelly Dace (*Phoxinus eos*). The Northern Redbelly Dace is a small cyprinid. Characterized as a colorful minnow, this dace has a dark olive or brown back with spots and two dark, broad bands on the side. The space between the two bands is cream, reddish or dark. The stomach is cream-colored except in breeding males where the stomach is yellow-orange to red. It occurs in ponds and slow and swampy sections of streams. In this Commonwealth, it appears to be strictly confined to springs, wetlands and sections of waterways impounded by beavers (D. Fischer, personal observation).

The Northern Redbelly Dace's national distribution includes the Atlantic, Great Lakes, Hudson Bay, upper Mississippi, Missouri and Peace-Mackenzie River drainages, from Nova Scotia west to Northwest Territories and British Columbia, south to northern Pennsylvania, Wisconsin, Nebraska, and Colorado (Page and Burr 1991). In this Commonwealth, it was formerly known from Meshoppen Creek, Susquehanna County (Cooper 1983). It currently inhabits the Allegheny River drainage in Erie and Warren counties (unpublished data). It also occurs adjacent to northwest

Pennsylvania in the Brokenstraw Creek and Conewango Creek drainages in New York (Smith 1985). This species is listed as endangered in Massachusetts.

Only one historic occurrence record – Susquehanna County exists in this Commonwealth (Cope 1862). More recently, five occurrences were documented in 2008: French Creek drainage in Erie and Warren Counties (2) and the Brokenstraw Creek drainage in Warren County (3).

Apparently three of these occupied waterways have not been previously surveyed, and surveys on the remaining two did not include the occupied sections or habitat suitable for Northern Redbelly Dace (Raney 1938, Stauffer 1987, Cooper field notes, PFBC unpublished data). The total known lineal occupancy appears to be no more than 10 kilometers.

The Fishes Technical Committee of the Pennsylvania Biological Survey (PABS) reviewed the Heritage rank of the Northern Redbelly Dace and recommended it be changed from Extirpated (SX) to “critically imperiled” (S1) – in the state because of extreme rarity or because of some factors making it especially vulnerable to extirpation from the state. Typically five or fewer occurrences or very few remaining individuals occur in the state (State Rank Definitions 1996). The PABS committee additionally recommended endangered status based on the above referenced data and apparent rarity of the species.

The Northern Redbelly Dace was described by Cope (1862) from specimens collected in Meshoppen Creek, Susquehanna County, Pennsylvania. No specimens have been reported from the Commonwealth since that time, and this taxon was considered extirpated (Cooper 1983). This species was evaluated through the Commission’s fish species documentation and objective listing criteria and met Criteria B.3. (Distribution & Trends), that the extent of occupancy in the stream/river is less than 10 miles. Recently discovered populations of this species in northeastern Erie and northwestern Warren counties justify a change in status from extirpated to endangered. Therefore, the Commission proposes that Northern Redbelly Dace be added to the list of endangered species.

(2) Northern Cricket Frog (*Acris crepitans*). The Northern Cricket Frog is the smallest frog species in this Commonwealth, averaging around 23mm (0.875 inches). This small tree frog is variable in coloration and markings. The dorsal body color can be golden brown, tan, gray or olive and can vary among individuals depending on ground temperature (R. Koval, personal observation). Most often mid-dorsal stripes are present and vary in color from brown to lime green. The most characteristic marking of the Northern Cricket Frog is the V-shaped or dark triangle spot located between the eyes and the well defined longitudinal stripe along the rear surface of the dark dorsal thigh.

Breeding habitats are typically described as permanent bodies of water such as slow-moving streams, ponds, lakes, marshes, bogs and swamps, but breeding sites can also be semi-permanent ponds and seasonal forest pools. Often, breeding microhabitats within these larger systems are open-canopied, usually contain emergent vegetation, and contain areas of flat, sparsely vegetated patches along the margins of open water (Bayne 2004, Gibbs et al. 2007, White and White 2002). Upland habitats surrounding breeding habitats are varied but include: floodplain forest, small scrub-shrub islands in impoundments, mature deciduous forest with rocky substrates, mature deciduous forest with sandy substrates and old fields.

The Northern Cricket Frog is known from southeastern New York, south along the Atlantic Coastal states, and west along the Gulf Coast from northwestern Florida to eastern Texas. Southern populations range as far north as Tennessee and Missouri. Isolated populations occur on the Coastal Plain of South Carolina. It is listed as an endangered species in New York and as a species of concern in Ohio.

The Northern Cricket Frog was historically distributed throughout the southeastern and southcentral portions of the Commonwealth with several apparently disjunct populations found in northeastern and southwestern Pennsylvania. Counties of historical occurrence included: Allegheny, Berks, Bucks, Carbon, Chester, Cumberland, Dauphin, Delaware, Franklin, Lebanon, Montgomery,

Philadelphia and York. Nearly half of all records were collected from within or near the coastal plain in southern Bucks, Delaware, Montgomery, and Philadelphia Counties. All records considered historical were initially documented before 1983.

The Northern Cricket Frog is apparently extirpated from approximately 92% of historically (initially discovered pre-1983: 34 of 37 locations) documented collection sites. Two of the three historical sites considered extant are included as a “best case scenario” since investigations or surveys have not been conducted for the species at these locations. The species may very well have disappeared from these locations as well. A total of six recent new sites have been initially documented since 1983. Of these sites, 50% (3 of 6) are considered extirpated, and an additional 33% (2 of 6) are located in a heavily disturbed industrial/urbanized landscape making future viability uncertain (these sites are considered extant in this analysis). Presently, of the 43 total sites that have been adequately documented as valid collection locations in this Commonwealth, only 14% (6 of 43) are considered extant. Suitable habitats in the vicinity of all but two of the historical collection locations (single sites in Chester and Franklin Counties have not been investigated since their initial discovery, but are considered extant in this analysis as a best case scenario) have been investigated in the last fifteen years, thus documenting a significant (86%) population reduction for this species in this Commonwealth in the last 20 years, which meets listing criterion A.1.: Range Reduction of >80% in the last 20 years. The Area of Occupancy for Northern Cricket Frog in this Commonwealth is under 4 square miles (Listing Criterion B.2) and severely fragmented (Listing Criterion B.2.a). Additionally, declines are projected in the area of occupancy, area/extent/and or quality of habitat, number of locations or subpopulations, and number of mature individuals (Listing Criterion B.2.b).

The Amphibian and Reptile Technical Committee of PABS reviewed the Heritage rank of the Northern Cricket frog and recommended it be changed to “critically imperiled” (S1) – critically imperiled in the state because of extreme rarity or because of some factors making it especially vulnerable to extirpation from the state. As the species meets Listing Criteria A.1. and B.2., the

Committee recommended the status of the Northern Cricket Frog (*Acris crepitans*) be elevated to endangered. Therefore, given the apparent rarity and threats to the statewide population, and multiple listing criteria met, the Commission proposes that Northern Cricket Frog be added to the list of endangered species.

(3) Blue-Spotted Salamander (*Ambystoma laterale*). The Blue-Spotted Salamander is member of the Ambystomatidae (mole salamander) family. They are characterized as a small to medium sized salamander with a pattern of bright blue spots scattered over a grayish-black or black body. They live mostly a terrestrial, fossorial/subterranean existence. Blue-spotted Salamanders require both breeding (aquatic) and non-breeding (upland) habitats. Breeding habitat consists of hardwood swamps, open marshes, oxbow ponds, ditches, and seasonal forest pools, often within or near floodplains of large streams and rivers (Ruhe unpublished). Non-breeding habitat can be characterized as deciduous and mixed forests surrounding breeding habitats.

Blue-Spotted Salamanders occur in Southeastern Quebec to Lake Winnipeg, south through the Great Lakes region and New England to northern Indiana and northern New Jersey. The United States portion of this range includes the states of Connecticut, Iowa, Illinois, Indiana, Massachusetts, Maine, Michigan, Minnesota, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Vermont, and Wisconsin. Hybrid *A. laterale* populations (in association with *A. jeffersonianum*, *A. texanum*, and *A. tigrinum*) occur throughout the range of this species. The Blue-Spotted Salamander is listed as endangered in Ohio and New Jersey and as a species of concern in New York.

The Blue-spotted Salamander complex (including associated hybrids) is a peripheral species to this Commonwealth with all known populations being found in northern tier counties bordering the states of New Jersey and New York: the Delaware River drainage (Northampton County), and the Allegheny River drainage (McKean County and Warren County).

The Blue-spotted Salamander was not discovered in this Commonwealth until April of 2000. The Blue-spotted Salamander probably did not recently colonize this Commonwealth; rather this

species had likely escaped detection due to locations being situated in fairly rural areas and general similarity in appearance to the Jefferson Salamander. This species was not detected during the seven-year long Pennsylvania Herpetological Atlas project.

The Blue-spotted Salamander was first discovered in McKean County (Allegheny River drainage) during the spring of 2000 as part of a distribution-wide survey for the Jefferson Salamander (*Ambystoma jeffersonianum*) and Blue-spotted Salamander complex (Bogart and Klemens 2008, Ruhe *unpublished*). Two additional populations were subsequently found in Northampton (Delaware River drainage) and Warren (Allegheny River drainage) Counties (Bogart and Klemens 2008, Ruhe *unpublished*). The Northampton County population was discovered in October 2003, and the Warren County population in October 2008 (Ruhe *unpublished*).

The known extent of occurrence for the Blue-spotted Salamander in this Commonwealth encompasses an area of under 3 square miles, qualifying the species for listing as endangered under listing criterion B. 1. (Extent of Occurrence <40 mi²). As the Blue-spotted Salamander meets this criterion, the Amphibian and Reptile Technical Committee of PABS recommends that the Blue-spotted Salamander be listed as an endangered species. Therefore, based upon the limited range of the species within the Commonwealth, the small number of known sites and threats to these sites, the Commission proposes that Blue-Spotted Salamander be added to the list of endangered species.

Proposed Removals from the Endangered, Threatened and Candidate Species Lists

(1) Silver Chub (*Macrhybopsis storeriana*). The Silver Chub is a small, slender, silvery minnow with large eyes, small mouth, and small, posterior maxillary barbel. It inhabits large rivers and lakes, where it prefers clean sand and gravel substrates. Its nationwide distribution includes the Lake Erie drainage in Ontario, New York, Pennsylvania, Ohio, and Michigan; Mississippi River basin from Pennsylvania and West Virginia to the Midwest, and south to Gulf Coast drainages from

Alabama to Louisiana. In this Commonwealth, they occur in Lake Erie, and in the Allegheny, Monongahela, and Ohio River drainages (Argent & Carline 2005).

The Silver Chub was probably common in all the large rivers in this Commonwealth's portion of the Ohio River drainage prior to European settlement (Trautman 1981). It was abundant in the Monongahela in the late 1800's (Evermann and Bollman 1886). It was apparently extirpated during the early 1900's, when conditions in these rivers were degraded (Ortmann 1909). ORSANCO collected a single specimen in 1957 and eight in 1959 from the lower Allegheny River. Cooper (1983) collected a single specimen from Lake Erie in the vicinity of the mouth of Walnut Creek in 1971.

The Silver Chub is rarely taken in Lake Erie and was considered extirpated in the Ohio River drainage by Gilbert (1985). It was collected in 1986 in the Ohio River and has subsequently been documented in the Monongahela and lower Allegheny as well (unpublished data – California University of Pennsylvania (CUP), Ohio River Sanitation Commission (ORSANCO), Pennsylvania State University (PSU), PFBC). It has been collected more often since the early 1990's, with collections ranging from one to 24 specimens (unpublished data – CUP, ORSANCO, PSU, PFBC). Multiple size classes including juveniles have been collected recently in the Ohio River (personal communication, T. Stecko PSU unpublished data 2009).

The Fishes Technical Committee of the PABS reviewed the Heritage rank of the Silver Chub and recommended that it be changed from “critically imperiled” (S1) to “vulnerable-apparently secure” (S3S4) status - uncommon but not rare, and usually widespread in the state. (State Rank Definitions 1996). The PABS committee additionally recommended “delisting” status based on the above referenced data and apparent commonality of the species. PABS definition of delisted species - species which were once listed but now cited for delisting (PABS Suggested Status Definitions 2005).

The Silver Chub was listed as endangered based on a limited number of collections and apparent low numbers. Field surveys conducted throughout the historic Pennsylvania range since 1990 have documented an expansion in range and population size compared to pre-1990 information. These species were considered extirpated during the first half of the twentieth century; however, recent electrofishing and benthic trawl surveys have documented a more or less continuous distribution throughout the Ohio River and lower reaches of the Monongahela and Allegheny Rivers. Based on recent records, it appears that this species is now fairly widespread in the lock and dam section of the “Three Rivers” (Crisswell and Stauffer 2005).

This species was evaluated through the Commission’s fish species documentation and objective listing/de-listing criteria. Silver Chub now occupy much of their former range and their population is increasing. Therefore, it no longer meets endangered species listing criteria. Nor does it meet the threatened species listing criteria. Therefore, the Commission proposes that Silver Chub be removed from the list of endangered species.

(2) Mooneye (*Hiodon tergisus*): The Mooneye is a medium-sized, deep-bodied pelagic fish that inhabits large rivers and reservoirs. It is known from the St. Lawrence – Great Lakes drainage (except Lake Superior), Mississippi River and Hudson Bay basins from Quebec to Alberta and south to the Gulf; Gulf Slope drainages from Alabama to Louisiana (Page and Burr 1991). In this Commonwealth, it occurs in the Monongahela and Ohio Rivers, and the lock and dam section of the Allegheny River, and formerly occurred in Lake Erie (Fowler 1940, Cooper 1983).

Lessueur's original 1818 description of this species, based in part on specimens collected in Pittsburgh, is apparently the only historic record from the Ohio River drainage in the state (Cooper 1985). In Lake Erie, it was collected in 1920 near Erie, Pennsylvania (UMMZ 55667). The Mooneye was common in Ohio waters before 1900, but has decreased greatly since, and is rarely taken in Lake Erie (Trautman 1981). It was probably fairly common in this Commonwealth before 1900 as well but was apparently extirpated during the early 1900’s when conditions in these rivers

were degraded. Its recent recolonization is undoubtedly a result of improved water quality (Criswell and Stauffer 2005).

The Mooneye was collected in 1987 in the Allegheny River and since has been collected as far upriver as River Mile 60 and has subsequently been documented in the Monongahela and lower Ohio Rivers as well (unpublished data – CUP, ORSANCO, PSU, PFBC). It has been collected more often since the early 1990's, with collections ranging from 1- 22 specimens (unpublished data – CUP, ORSANCO, PSU, PFBC).

The Fishes Technical Committee of PABS reviewed the Heritage rank of the Mooneye and recommended that it be changed from “imperiled-vulnerable” (S2S3) to “apparently secure” (S4) status - uncommon but not rare, and usually widespread in the state. Usually more than 100 occurrences (State Rank Definitions 1996). The PABS committee additionally recommended “delisting” status based on the above referenced data and apparent commonality of the species.

The Mooneye was listed as threatened based on a limited number of collections and apparent low numbers. Field surveys conducted throughout the historic Pennsylvania range since 1990 have documented a significant expansion in range and population size compared to pre-1990 information. The Mooneye was considered extirpated from the state, with no collections reported between 1920 and 1987 (Cooper 1985, unpublished data); however, recent electrofishing and gillnet surveys have documented a more or less continuous distribution throughout the Ohio River and lower reaches of the Monongahela and Allegheny Rivers. This species was evaluated through the Commission's fish species documentation and objective listing/de-listing criteria. The Mooneye no longer meets the threatened species listing criteria as its distribution and population is increasing in this Commonwealth.

Enough information is available to make the determination that it is secure in the state at present and to justify removal from the list of threatened and endangered fishes. Therefore, the Commission proposes that the Mooneye be removed from the list of threatened species.

(3) Goldeye (*Hiodon alosoides*). Similar in shape and form to the Mooneye, the Goldeye inhabits large turbid rivers and the silty shallows of large lakes. It is known from tributaries to James Bay in Quebec and Ontario; Arctic, Missouri, Mississippi, and Ohio River drainages from Northwest Territories to Pennsylvania and south to Louisiana (Page and Burr 1991). In this Commonwealth, the Goldeye was known from the Ohio River Basin.

The historic distribution of Goldeye within this Commonwealth is difficult to determine. Fowler (1911 & 1919) reported collections from the Beaver River (1 specimen) and the Youghiogheny River (2 specimens) made by Edward D. Cope, presumably in the 1860s or 1870s. Trautman (1981) reported that in Ohio it was far more numerous in the Ohio River below Portsmouth than in the industrially polluted upper Ohio River near the Pennsylvania state line, and remained fairly common there during the period 1955-1980. However, no recent records exist in this Commonwealth.

The Fishes Technical Committee of PABS reviewed the Heritage rank of the Mooneye and recommended it be changed to “extirpated” (SX) status – believed to be extirpated from the state (State Rank Definitions 1996). The PABS committee additionally recommended “delisting” status based on the above referenced data and lack of contemporary collections of the species.

The Goldeye was listed as threatened based on a limited number of collections and apparent low numbers. Field surveys conducted throughout the Ohio River basin during the last 110 years have not yielded a known collection of Goldeye supported by a preserved voucher specimen. These surveys include increasingly intensive efforts using multiple methodologies implemented by multiple scientific entities.

At this time, enough information is available to make the determination that the Goldeye is presumed extirpated from this Commonwealth and to justify its removal from the list of threatened fishes. Therefore, the Commission proposes that Goldeye be removed from the list of threatened species.

(4) Skipjack Herring (*Alosa chrysochloris*). The Skipjack Herring is a streamlined, laterally compressed herring with a large mouth and protruding lower jaw, inhabiting open waters of medium to large rivers and reservoirs. It is known from the Hudson Bay drainage (Red River) and Mississippi River basin from Minnesota south to the Gulf of Mexico, and from southwestern Pennsylvania to South Dakota, Nebraska, Kansas, Oklahoma, and Texas Gulf Slope drainages from Florida to Texas (Page and Burr 1991). In this Commonwealth, it is known from the Ohio, Monongahela and Allegheny River basins.

Early accounts indicated that the Skipjack Herring was evidently uncommon in this Commonwealth. Rafinesque (1820) stated that it seldom went as far upriver as Pittsburgh. Trautman (1981) reported that rivermen occasionally took individuals between Marietta, Ohio, and the Pennsylvania state line. Fowler (1919) reported an occurrence from the Conemaugh River, Indiana County, that he thought was likely a Skipjack Herring. However, Fowler (1940) also reported this species from Blair County, a questionable record at best. Cooper (1985) considered it extirpated and thought it possible that the species never had been collected from this Commonwealth. It was occasionally collected in the Commonwealth's portion of the Ohio River during the mid-1980's and has continued to increase in numbers (unpublished data).

Recent records show the Skipjack Herring is well distributed and taken regularly in the Ohio and Monongahela Rivers (Criswell and Stauffer 2005; Unpublished data – ORSANCO, PSU, PFBC, CUP).

The Fishes Technical Committee of PABS reviewed the Heritage rank of the Skipjack Herring and recommended it be changed to “apparently secure” (S4) status - uncommon but not rare, and usually widespread in the state. Usually more than 100 occurrences (State Rank Definitions 1996). The PABS committee additionally recommended “delisting” status based on the above referenced data and apparent commonality of the species.

The Skipjack Herring was listed as threatened based on a limited number of collections and apparent low numbers. Field surveys conducted throughout the historic Pennsylvania range since the 1990s have documented an expansion in range and population size compared to pre-1990 information. The Skipjack Herring was considered extirpated until the mid-1980's; however, recent electrofishing and gillnet surveys have documented a more or less continuous distribution throughout the Ohio River and lower reaches of the Monongahela and Allegheny Rivers. This species was evaluated through the Commission's fish species documentation and objective listing/de-listing criteria. The Skipjack Herring now occupy their former range (widespread in the Ohio and Monongahela and increasing in the Allegheny) and the population is increasing in this Commonwealth. They no longer meet the threatened species listing criteria. Therefore, the Commission proposes that Skipjack Herring be removed from the list of threatened species.

(5) Brook Silverside (*Labidesthes sicculus*): The Brook Silverside is a slender, elongate fish with a nearly straight dorsal profile anteriorly, including a flattened head. It inhabits lakes and sluggish sections of large streams and rivers, where it occurs primarily in schools near the surface in open water, often over substrates of silt, sand, or mud. The Brook Silverside is known from the St. Lawrence-Great Lakes drainage (except Lake Superior), and Mississippi River basin from southern Quebec to eastern Minnesota and south to Louisiana; Atlantic and Gulf drainages from South Carolina to Texas. It has been introduced elsewhere (Page and Burr 1991). In this Commonwealth, it is known from the Ohio River and Lake Erie drainages in western part of state (Cooper 1983).

Little historical information on abundance is available for this Commonwealth. Trautman (1981) reported that in Ohio the brook silverside was abundant and distributed throughout the state prior to 1900 but was severely reduced and many populations were extirpated. He identified the chief factor causing this decline as increased turbidity levels. Since this species is generally detected during surveys targeting other fishes in this Commonwealth, comprehensive data on distribution and

abundance is lacking. It probably declined significantly in our western rivers, as did many other fishes, and is now rebounding there.

In the last 25 years, collection records indicate that the Brook Silverside is locally common in larger water bodies, especially lakes and impounded sections of large rivers. It is collected regularly in the Allegheny, Monongahela, and Ohio Rivers, French Creek and tributaries, Shenango River and its tributaries, and major impoundments, and Lake Erie (CUP, ORSANCO, PSU, PFBC).

The Fishes Technical Committee of PABS reviewed the Heritage rank of the Brook Silverside and recommended it be changed to “apparently secure” (S4) status - uncommon but not rare, and usually widespread in the state. Usually more than 100 occurrences (State Rank Definitions 1996). The PABS committee additionally recommended “delisting” status based on the above referenced data and apparent commonality of the species in this Commonwealth.

The Brook Silverside was listed as a candidate species in this Commonwealth based on a limited number of collections and apparent low numbers. Recent field surveys conducted throughout the historic Pennsylvania range have documented a significant expansion in range and population size compared to pre-1990 information. This species was evaluated through the Commission’s fish species documentation and objective listing/de-listing criteria. The Brook Silverside population and distribution is increasing, such that they no longer meet the candidate species listing criteria.

Enough information is available to determine that it is secure in the state at present and to justify Brook Silverside’s removal from the list of candidate fishes. Therefore, the Commission proposes that Brook Silverside be removed from the list of candidate species.

The Commission accordingly proposes that §§75.1, 75.2 and 75.3 be amended to read as set forth in Annex A.

F. *Paperwork*

The proposed rulemaking will not increase paperwork and will create no new paperwork requirements.

G. *Fiscal Impact*

The proposed rulemaking will have no direct adverse fiscal impact on the Commonwealth or its political subdivisions. The proposed rulemaking will impose no new direct costs on the private sector or the general public. The direct regulatory significance of designating a species as endangered or threatened is limited to prohibiting persons from taking, catching, killing or possessing these mussels in the Commonwealth. Because none of the species that are proposed for listing have any commercial or recreational significance because of their rarity, there are no direct fiscal impacts from providing these protections.

With respect to listings previously proposed by the Commission, the private sector and regulated community have asserted that the designation of certain species as endangered or threatened may have indirect fiscal impacts on them and the Commonwealth because of impacts on permitting decisions by the Department of Environmental Protection and other agencies. If an endangered species is found in an area slated for development, applicants for permits may be required to conduct additional studies or adjust the project to avoid adverse impacts on these species and their habitat. These are fiscal impacts resulting from regulatory and statutory authorities other than those under the aegis of the Commission.

H. *Public Comments*

Interested persons are invited to submit written comments, objections or suggestions about the proposed rulemaking to the Executive Director, Pennsylvania Fish and Boat Commission, P.O. Box 67000, Harrisburg, PA 17106-7000, within 30 days after publication of this notice in the *Pennsylvania Bulletin*. Comments submitted by facsimile will not be accepted.

Comments also may be submitted electronically by completing the form at www.fishandboat.com/regcomments. If an acknowledgment of electronic comments is not received by the sender within 2 working days, the comments should be retransmitted to ensure receipt. Electronic comments submitted in any other manner will not be accepted.

For the Pennsylvania Fish and Boat Commission

Douglas J. Austen, Ph.D
Executive Director

Annex A

Regulation No. 48A-215

Title 58. Recreation

Part II. Fish and Boat Commission

Subpart B. Fishing

CHAPTER 75. ENDANGERED SPECIES

§ 75.1. Endangered species.

* * *

(b) *Fish*. The following species are endangered:

* * *

(8) [**Silver chub, *Macrhybopsis storeriana***] **Northern redbelly dace, *Phoxinus eos***.

* * *

(c) *Reptiles and amphibians*. The following species are endangered:

* * *

(9) Northern Cricket Frog, *Acris crepitans*.

(10) Blue-Spotted Salamander, *Ambystoma laterale*.

§ 75.2. Threatened species.

* * *

(b) *Fish*. The following species are threatened:

* * *

(2) [Skipjack herring, *Alosa chrysochloris*.

(3) Goldeye, *Hiodon alosoides*.

(4) Mooneye, *Hiodon tergisus*

(5)] Bigmouth shiner, *Notropis dorsalis*.

[(6)] (3) Southern redbelly dace, *Phoxinus erythrogaster*.

[(7)] (4) Spotted sucker, *Minyterma melanops*.

[(8)] (5) Brindled madtom, *Noturus miurus*.

[(9)] (6) Bluebreasted darter, *Etheostoma camurum*.

[(10)] (7) Spotted darter, *Etheostoma maculatum*.

[(11)] (8) Tippecanoe darter, *Etheostoma tippecanoe*.

[(12)] (9) Gilt darter, *Percina evides*.

§ 75.3. Candidate species.

* * *

(b) *Fishes.*

* * *

(8) [Brook silverside, *Labidesthes sicculus*

(9)] Brook stickleback, *Culaea inconstans*.