

REQUEST FOR TECHNICAL CHANGE

AGENCY: Wildlife Resources Commission

RULE CITATION: 15A NCAC 10I .0103

DEADLINE FOR RECEIPT: Friday, September 15, 2017

PLEASE NOTE: This request when viewed on computer extends several pages. Please be sure you have reached the end of the document.

The Rules Review Commission staff has completed its review of this rule prior to the Commission's next meeting. The Commission has not yet reviewed this rule and therefore there has not been a determination as to whether the rule will be approved. You may call this office to inquire concerning the staff recommendation.

In reviewing these rules, the staff determined that the following technical changes need to be made:

Line 20, is the statutory citation correct? Should it be "(9a) and (9b)" or "(9)a. and (9)b."
Please review and clarify if necessary.

Page 2, lines 6 and 8, is the use of the brackets and "=" sign correct? Please merely verify and change if necessary.

Page 2, line 24, strikethrough the "and" at the end of the clause, but do not highlight, as the term was struck through in the 31:18 Register, page 1827.

Please retype the rule accordingly and resubmit it to our office at 1711 New Hope Church Road, Raleigh, North Carolina 27609.

Abigail M. Hammond
Commission Counsel
Date submitted to agency: August 31, 2017

1 15A NCAC 10I .0103 is amended as published in 31:18 NCR 1826 as follows:

2

3 **15A NCAC 10I .0103 ENDANGERED SPECIES LISTED**

4 (a) The following species of resident wildlife shall be designated as federally-listed endangered species:

5 (1) Amphibians: None Listed At This Time.

6 ~~None Listed At This Time.~~

7 (2) Birds:

8 (A) Bachman's warbler (*Vermivora bachmanii*);

9 (B) Ivory-billed woodpecker (*Campephilus principalis*);

10 (C) Kirtland's warbler (~~*Dendroica*~~ *Setophaga kirtlandii*);

11 (D) Piping plover (*Charadrius melodus circumcinctus*);

12 (E) Red-cockaded woodpecker (*Picoides borealis*); and

13 (F) Roseate tern (*Sterna dougallii* ~~*dougalli*~~); and *dougallii*).

14 ~~(G) Wood stork (*Mycteria americana*).~~

15 (3) Crustacea: None Listed At This Time.

16 (4) Fish:

17 (A) Cape Fear shiner (*Notropis mekistocholas*);

18 (B) Roanoke logperch (*Percina rex*);

19 (C) Shortnose sturgeon (*Acipenser brevirostrum*), when found in inland fishing waters as
20 defined in G.S. 113-129(9a) and (9b); and

21 (D) Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*), when found in inland fishing waters.

22 (5) Mammals:

23 (A) Carolina northern flying squirrel (*Glaucomys sabrinus coloratus*);

24 (B) Eastern cougar (*Puma concolor*);

25 (C) Gray bat (*Myotis grisescens*);

26 (D) Indiana bat (*Myotis sodalis*);

27 (E) Manatee (*Trichechus manatus*), when found in inland fishing waters; and

28 (F) Virginia big-eared bat (*Corynorhinus townsendii virginianus*).

29 (6) Mollusks:

30 (A) Appalachian elktoe (*Alasmidonta raveneliana*);

31 (B) Carolina heelsplitter (*Lasmigona decorata*);

32 (C) Dwarf ~~wedge-mussel~~ wedgemussel (*Alasmidonta heterodon*);

33 (D) James spiny mussel (*Pleurobema collina*);

34 ~~Little-wing~~ Littlewing pearl mussel (*Pegias fabula*);

35 (F) Tan riffleshell (*Epioblasma florentina walkeri*); and

36 (G) Tar River spiny mussel (*Elliptio steinstansana*).

37 (7) Reptiles:

- 1 (A) Kemp's ridley seaturtle (*Lepidochelys kempii*);
 2 (B) Atlantic hawksbill seaturtle (*Eretmochelys imbricata imbricata*); and
 3 (C) Leatherback seaturtle (*Dermochelys coriacea*).
- 4 (b) The following species of resident wildlife shall be designated as state-listed endangered species:
- 5 (1) Amphibians: ~~Green salamander (*Aneides aeneus*);~~
 6 (A) Gopher frog (*Rana [=Lithobates] capito*);
 7 (B) Ornate chorus frog (*Pseudacris ornata*); and
 8 (C) River frog (*Rana [=Lithobates] heckscheri*).
- 9 (2) Birds:
 10 (A) American peregrine falcon (*Falco peregrinus anatum*); ~~and~~
 11 (B) Bewick's wren (*Thryomanes bewickii*); ~~bewickii~~;
 12 (C) Common tern (*Sterna hirundo*);
 13 (D) Henslow's sparrow (*Ammodramus henslowii*); and
 14 (E) Wayne's black-throated green warbler (*Setophaga virens waynei*).
- 15 (3) Crustacea: ~~Bennett's Mill cave water slater (*Caecidotea carolinensis*);~~
 16 (A) Bennett's Mill cave water slater (*Caecidotea carolinensis*).
- 17 (4) Fish:
 18 (A) Blotchside logperch (*Percina burtoni*);
 19 (B) Bridle shiner (*Notropis bifrenatus*);
 20 (C) Dusky darter (*Percina sciera*);
 21 (D) Orangefin madtom (*Noturus gilberti*);
 22 (E) Paddlefish (*Polyodon spathula*);
 23 (F) Robust redhorse (*Moxostoma robustum*);
 24 (G) Rustyside sucker (*Thoburnia hamiltoni*); and
 25 (H) Sharpnose darter (*Percina oxyrhyncus*); and
 26 ~~(H)~~(I) Stonecat (*Noturus flavus*).
- 27 (5) Mammals: None Listed At This Time.
- 28 (6) Mollusks:
 29 (A) Atlantic pigtoe (*Fusconaia masoni*);
 30 (B) Barrel floater (*Anodonta couperiana*);
 31 (C) Brook floater (*Alasmidonta varicosa*);
 32 (D) Carolina creekshell (*Villosa vaughaniana*);
 33 (E) Fragile glyph (*Glyphyalinia clingmani*);
 34 (F) Green floater (*Lasmigona subviridis*);
 35 (G) Greenfield rams-horn (*Helisoma eucosmium*)
 36 (H) Knotty elimia (*Elimia christyi*);
 37 (I) Longsolid (*Fusconaia subrotunda*);

- 1 ~~(J)~~ Magnificent rams-horn (*Planorbella magnifica*);
- 2 ~~(J)~~ ~~Neuse spike (*Elliptio judithae*);~~
- 3 (K) Purple wartyback (*Cyclonaias tuberculata*);
- 4 (L) Savannah lilliput (*Toxolasma pullus*);
- 5 (M) Slippershell mussel (*Alasmidonta viridis*);
- 6 (N) Tennessee clubshell (*Pleurobema oviforme*);
- 7 (O) Tennessee heelsplitter (*Lasmigona holstonia*);
- 8 (P) Tennessee pigtoe (*Fusconaia barnesiana*);
- 9 (Q) Yellow lampmussel (*Lampsilis cariosa*); and
- 10 (R) Yellow lance (*Elliptio lanceolata*).

11 (7) Reptiles:

- 12 (A) Eastern coral snake (*Micrurus fulvius fulvius*); and
- 13 (B) Eastern diamondback rattlesnake (*Crotalus adamanteus*).

14

15 *History Note:* *Authority G.S. 113-134; 113-291.2; 113-292; 113-333;*
16 *Eff. June 11, 1977;*
17 *Amended Eff. October 1, 2017; August 1, 2016; May 1, 2008; April 1, 2001; February 1, 1994;*
18 *November 1, 1991; April 1, 1991; June 1, 1990*

1 15A NCAC 10I .0104 is amended as published in 31:18 NCR 1828 as follows:

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3 **15A NCAC 10I .0104 THREATENED SPECIES LISTED**

4 (a) The following species of resident wildlife shall be designated as federally-listed threatened species:

5 (1) Amphibians: None Listed At This Time.

6 (2) Birds:

7 (A) Piping plover (*Charadrius melodus melodus*); ~~and~~

8 (B) ~~Red Knot knot (*calidris Calidris canutus rufa*)- *rufa*); and~~

9 (C) Wood stork (*Mycteria americana*).

10 (3) Crustacea: None Listed At This Time.

11 (4) Fish:

12 (A) Spotfin chub (~~*Cyprinella monacha*~~ *Erimonax monachus*); and

13 (B) Waccamaw silverside (*Menidia extensa*).

14 (5) Mammals: Northern ~~Long-eared Bat~~ long-eared bat (*Myotis septentrionalis*)

15 (6) Mollusks: Noonday globe (*Patera clarki nantahala*).

16 (7) Reptiles:

17 (A) Bog turtle (*Glyptemys muhlenbergii*);

18 (B) American alligator (*Alligator mississippiensis*);

19 (C) Green sea turtle (*Chelonia mydas*); and

20 (D) Loggerhead sea turtle (*Caretta caretta*).

21 (b) The following species of resident wildlife are designated as state-listed threatened species:

22 (1) Amphibians:

23 ~~(A) — Carolina gopher frog (*Rana capito capito*);~~

24 ~~(B)~~(A) Eastern tiger salamander (*Ambystoma tigrinum tigrinum*);

25 (B) Green salamander (*Aneides aeneus*);

26 (C) Junaluska salamander (*Eurycea junaluska*); ~~and~~

27 (D) Mabee's salamander (*Ambystoma mabeei*); and

28 ~~(D)~~(E) Wehrle's salamander (*Plethodon wehrlei*).

29 (2) Birds:

30 (A) Bald eagle (*Haliaeetus leucocephalus*);

31 (B) Caspian tern (*Hydroprogne caspia*);

32 ~~(B)~~(C) Gull-billed tern (~~*Sterna*~~ *Gelochelidon* *nilotica aranea*); and

33 ~~(C)~~(D) Northern saw-whet owl (*Aegolius acadicus*).

34 (3) Crustacea: None Listed At This Time.

35 (4) Fish:

36 ~~(A) — American brook lamprey (*Lampetra appendix*);~~

37 ~~(B) — Banded sculpin (*Cottus carolinae*);~~

- 1 ~~(C)~~(A) Bigeye jumprock (~~Scartomyzon ariommus~~ Moxostoma ariommum);
- 2 ~~(D)~~ — Blackbanded darter (~~Percina nigrofasciata~~);
- 3 ~~(E)~~(B) Carolina madtom (*Noturus furiosus*);
- 4 ~~(F)~~(C) Carolina pygmy sunfish (*Elassoma boehlkei*);
- 5 ~~(G)~~(D) Carolina redbreast (*Moxostoma* sp.) (Pee Dee River and its tributaries and Cape Fear River
- 6 and its tributaries);
- 7 ~~(H)~~(E) Least brook lamprey (*Lampetra aepyptera*);
- 8 ~~(I)~~(F) Logperch (*Percina caprodes*);
- 9 (G) Mimic shiner (*Notropis volucellus*);
- 10 ~~(J)~~(H) Rosyface chub (*Hybopsis rubrifrons*);
- 11 ~~(K)~~(I) Sharphead darter (*Etheostoma acuticeps*);
- 12 ~~(L)~~(J) Sicklefin redbreast (*Moxostoma* sp.) (Hiwassee River and its tributaries and Little
- 13 Tennessee River and its tributaries);
- 14 ~~(M)~~(K) Turquoise darter (*Etheostoma inscriptum*); and
- 15 ~~(N)~~(L) Waccamaw darter (*Etheostoma perlongum*).
- 16 (5) Mammals:
- 17 (A) Eastern woodrat (*Neotoma floridana floridana*);
- 18 (B) Rafinesque's big-eared bat (*Corynorhinus rafinesquii rafinesquii*); and
- 19 (C) Red wolf (*Canis rufus*).
- 20 (6) Mollusks:
- 21 (A) Alewife floater (*Anodonta implicata*);
- 22 (B) Big-tooth covert (*Fumonelix jonesiana*);
- 23 (C) Cape Fear threetooth (*Triodopsis soelneri*);
- 24 (D) Carolina fatmucket (*Lampsilis radiata conspicua*);
- 25 ~~(E)~~ — Clingman covert (~~Fumonelix wheatleyi~~ clingmanicus);
- 26 ~~(F)~~(E) Eastern lampmussel (*Lampsilis radiata radiata*);
- 27 ~~(G)~~(F) Eastern pondmussel (*Ligumia nasuta*);
- 28 ~~(H)~~(G) Engraved covert (*Fumonelix orestes*);
- 29 ~~(I)~~(H) Mountain creekshell (*Villosa vanuxemensis*);
- 30 (I) Notched rainbow (*Villosa constricta*);
- 31 (J) Rainbow (*Villosa iris*);
- 32 ~~(K)~~(K) Roan supercoil (*Paravitrea varidens*);
- 33 ~~(L)~~ — Roanoke slabshell (~~Elliptio roanokensis~~);
- 34 (L) Sculpted supercoil (*Paravitrea ternaria*);
- 35 ~~(M)~~ — Seep mudalia (~~Leptoxis dilatata~~);
- 36 ~~(N)~~(M) Smoky Mountain covert (*Inflectarius ferrissi*);
- 37 ~~(O)~~(N) Squawfoot (*Strophitus undulatus*);

- 1 ~~(P)~~(O) Tidewater mucket (*Leptodea ochracea*);
- 2 ~~(Q)~~(P) Triangle floater (*Alasmodonta undulata*);
- 3 ~~(R)~~(Q) Waccamaw ambersnail (*Catinella waccamawensis*);
- 4 ~~(S)~~(R) Waccamaw fatmucket (*Lampsilis fullerkati*); and
- 5 ~~(T)~~(S) Waccamaw spike (*Elliptio waccamawensis*).
- 6 (7) Reptiles: ~~None Listed At This Time.~~
- 7 (A) Northern pine snake (*Pituophis melanoleucus melanoleucus*); and
- 8 (B) Southern hognose snake (*Heterodon simus*).

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10 *History Note: Authority G.S. 113-134; 113-291.2; 113-292; 113-333;*

11 *Eff. March 17, 1978;*

12 *Amended Eff. October 1, 2017, June 1, 2008; April 1, 2001; November 1, 1991; April 1, 1991; June*

13 *1, 1990; September 1, 1989;*

14 *Temporary Amendment Eff. February 27, 2015;*

15 *Amended Eff. July 1, 2016; August 1, 2016.*

1 15A NCAC 10I .0105 is amended as published in 31:18 NCR 1829 as follows:

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3 **15A NCAC 10I .0105 SPECIAL CONCERN SPECIES LISTED**

4 The following species of resident wildlife shall be designated as state-listed special concern species:

5 (1) Amphibians:

6 (a) Crevice salamander (*Plethodon longicus*);

7 (b) Dwarf salamander (*Eurycea quadridigitata*);

8 (c) Dwarf black-bellied salamander (*Desmognathus folkertsi*);

9 ~~(d)~~ Eastern hellbender (*Cryptobranchus alleganiensis alleganiensis*);

10 ~~(e)~~ Four-toed salamander (*Hemidactylium scutatum*);

11 (f) Gray treefrog (*Hyla versicolor*);

12 ~~(g)~~ Longtail salamander (*Eurycea longicauda longicauda*);

13 ~~(h)~~ Mole salamander (*Ambystoma talpoideum*);

14 ~~(i)~~ Mountain chorus frog (*Pseudacris brachyphona*);

15 ~~(j)~~ Mudpuppy (*Necturus maculosus*);

16 ~~(k)~~ Neuse River waterdog (*Necturus lewisi*);

17 ~~(l)~~ River frog (*Rana heckscheri*);

18 ~~(m)~~ Southern zigzag salamander (*Plethodon ventralis*); and

19 ~~(n)~~ Weller's salamander (*Plethodon welleri*).

20 (2) Birds:

21 (a) American oystercatcher (*Haematopus palliatus*);

22 (b) Bachman's sparrow (~~*Aimophila*~~ *Peucaea aestivalis*);

23 (c) Barn owl (*Tyto alba*);

24 ~~(d)~~ Black-capped chickadee (*Poecile atricapillus*);

25 ~~(e)~~ Black rail (*Laterallus jamaicensis*);

26 ~~(f)~~ Black skimmer (*Rynchops niger*);

27 ~~(g)~~ Brown creeper (*Certhia americana nigrescens*);

28 ~~(h)~~ Cerulean warbler (~~*Dendroica*~~ *Setophaga cerulea*);

29 ~~(i)~~ Common tern (*Sterna hirundo*);

30 (j) Glossy ibis (*Plegadis falcinellus*);

31 (k) Golden-winged warbler (*Vermivora chrysoptera*);

32 ~~(l)~~ Henslow's sparrow (~~*Ammodramus*~~ *henslowii*);

33 ~~(m)~~ Least bittern (*Ixobrychus exilis*);

34 ~~(n)~~ Least tern (~~*Sterna*~~ *Sternula antillarum*);

35 ~~(o)~~ Little blue heron (*Egretta caerulea*);

36 ~~(p)~~ Loggerhead shrike (*Lanius ludovicianus*);

37 ~~(q)~~ Olive-sided flycatcher (~~*Contopus*~~ *cooperi*);

- 1 ~~(q)~~(o) Painted bunting (*Passerina ciris*);
- 2 ~~(r)~~(p) Red crossbill (*Loxia curvirostra*);
- 3 ~~(s)~~(q) Snowy egret (*Egretta thula*);
- 4 ~~(t)~~(r) Tricolored heron (*Egretta tricolor*);
- 5 ~~(u)~~(s) Vesper sparrow (*Poocetes gramineus*); and
- 6 ~~(v)~~(t) Wilson's plover (*Charadrius wilsonia*); and wilsonia).
- 7 ~~(w)~~ — Yellow bellied sapsucker (~~*Sphyrapicus varius appalachiensis*~~).
- 8 (3) Crustacea:
- 9 (a) Broad River spiny crayfish (*Cambarus spicatus*);
- 10 (b) Carolina skistodiaptomus (*Skistodiaptomus carolinensis*);
- 11 (c) Carolina well diacyclops (*Diacyclops jeannelli putei*);
- 12 (d) Chowanoke crayfish (*Orconectes virginiensis*);
- 13 (e) Graceful clam shrimp (*Lynceus gracilicornis*);
- 14 (f) Greensboro burrowing crayfish (*Cambarus catagius*);
- 15 (g) Hiwassee headwaters crayfish (*Cambarus parrishi*);
- 16 (h) Little Tennessee River crayfish (*Cambarus georgiae*);
- 17 (i) North Carolina spiny crayfish (*Orconectes carolinensis*);
- 18 (j) Oconee stream crayfish (*Cambarus chaugaensis*); and
- 19 (k) Waccamaw crayfish (*Procambarus braswelli*).
- 20 (4) Fish:
- 21 (a) American brook lamprey (*Lethenteron appendix*);
- 22 (b) Banded sculpin (*Cottus carolinae*);
- 23 (c) Blackbanded darter (*Percina nigrofasciata*);
- 24 ~~(d)~~ Bluefin killifish (*Lucania goodei*);
- 25 ~~(e)~~ Blue Ridge sculpin (*Cottus caeruleomentum*);
- 26 ~~(f)~~ Blueside darter (*Etheostoma jessiae*);
- 27 ~~(g)~~ Broadtail madtom (*Noturus sp.*) (Lumber River and its tributaries and Cape Fear River and
- 28 its tributaries);
- 29 ~~(h)~~ Carolina darter (*Etheostoma collis*);
- 30 ~~(i)~~ Cutlip minnow (*Exoglossum maxillingua*);
- 31 ~~(j)~~ Freshwater drum (*Aplodinotus grunniens*) (French Broad River);
- 32 ~~(k)~~ Highfin carpsucker (*Carpionodes velifer*) (Cape Fear River and its tributaries);
- 33 ~~(l)~~ Kanawha minnow (*Phenacobius teretulus*);
- 34 ~~(m)~~ Lake sturgeon (*Acipenser fulvescens*);
- 35 ~~(n)~~ Least killifish (*Heterandria formosa*);
- 36 ~~(o)~~ Longhead darter (*Percina macrocephala*);
- 37 ~~(p)~~ Mooneye (*Hiodon tergisus*);

- 1 ~~(q)~~ Mountain madtom (*Noturus eleutherus*);
- 2 (r) Ohio lamprey (*Ichthyomyzon bdellium*);
- 3 ~~(s)~~ Olive darter (*Percina squamata*);
- 4 ~~(t)~~ Pinewoods darter (*Etheostoma mariae*);
- 5 ~~(u)~~ River carpsucker (*Carpiodes carpio*);
- 6 ~~(v)~~ ~~Riverweed darter (*Etheostoma podostemone*)~~;
- 7 ~~(w)~~ Sandhills chub (*Semotilus lumbee*);
- 8 ~~(x)~~ ~~Sharpnose darter (*Percina oxyrhynchus*)~~;
- 9 ~~(y)~~ Smoky dace (*Clinostomus* sp.) (Little Tennessee River and tributaries);
- 10 ~~(z)~~ Striped shiner (*Luxilus chrysocephalus*);
- 11 ~~(aa)~~ Tennessee snubnose darter (*Etheostoma simoterum*);
- 12 ~~(ab)~~ Thinlip chub (*Cyprinella zanema*) (Lumber River and its tributaries and Cape Fear River
- 13 and its tributaries);
- 14 ~~(ac)~~ Waccamaw killifish (*Fundulus waccamensis*);
- 15 ~~(ad)~~ Wounded darter (*Etheostoma vulneratum*); and
- 16 ~~(ae)~~ Yellowfin shiner (*Notropis lutipinnis*) (Savannah River and its ~~tributaries~~; tributaries).
- 17 (5) Mammals:
- 18 (a) Allegheny woodrat (*Neotoma magister*);
- 19 (b) Buxton Woods white-footed mouse (*Peromyscus leucopus buxtoni*);
- 20 (c) Coleman's oldfield mouse (*Peromyscus polionotus colemani*);
- 21 (d) Eastern big-eared bat (*Corynorhinus rafinesquii macrotis*);
- 22 (e) Eastern small-footed bat (*Myotis leibii leibii*);
- 23 (f) Florida yellow bat (*Lasiurus intermedius floridanus*);
- 24 (g) Pungo white-footed mouse (*Peromyscus leucopus easti*);
- 25 (h) Southeastern bat (*Myotis austroriparius*);
- 26 ~~(i)~~ ~~Southern rock shrew (*Sorex dispar blitchi*)~~;
- 27 ~~(j)~~ Southern rock vole (*Microtus chrotorrhinus carolinensis*); and
- 28 ~~(k)~~ ~~Southern water shrew (*Sorex palustris punctulatus*)~~; and
- 29 ~~(l)~~ Star-nosed mole (*Condylura cristata parva*).
- 30 (6) Mollusks:
- 31 (a) Appalachian gloss (*Zonitoides patuloides*);
- 32 (b) Bidentate dome (*Ventridens coelaxis*);
- 33 (c) Black mantleslug (*Pallifera hemphilli*);
- 34 (d) Blackwater ancylid (*Ferrissia hendersoni*);
- 35 (e) Blue-foot lancetooth (*Haplotrema kendeighi*);
- 36 (f) Cape Fear spike (*Elliptio marsupiobesa*);
- 37 (g) Clingman covert (*Fumonelix wheatleyi clingmanicus*);

- 1 ~~(g)~~(h) Dark glyph (*Glyphyalinia junaluskana*);
- 2 ~~(h)~~(i) Dwarf proud globe (*Patera clarki clarki*);
- 3 ~~(i)~~(j) Dwarf threetooth (*Triodopsis fulciden*);
- 4 ~~(j)~~(k) Fringed coil (*Helicodiscus fimbriatus*);
- 5 ~~(k)~~(l) Glossy supercoil (*Paravitrea placentula*);
- 6 ~~(l)~~(m) Great Smoky slitmouth (*Stenotrema depilatum*);
- 7 ~~(m)~~(n) High mountain supercoil (*Paravitrea andrewsae*);
- 8 ~~(n)~~(o) Honey glyph (*Glyphyalinia vanattai*);
- 9 ~~(o)~~(p) Lamellate supercoil (*Paravitrea lamellidens*);
- 10 ~~(p)~~(q) Mirey Ridge supercoil (*Paravitrea clappi*);
- 11 ~~(q)~~ ~~Notched rainbow (*Villosa constricta*);~~
- 12 (r) Open supercoil (*Paravitrea umbilicaris*);
- 13 (s) Pink glyph (*Glyphyalinia pentadelphia*);
- 14 (t) Pod lance (*Elliptio folliculata*);
- 15 (u) Queen crater (*Appalachina chilhoweensis*);
- 16 ~~(v)~~ ~~Rainbow (*Villosa iris*);~~
- 17 ~~(w)~~(v) Ramp Cove supercoil (*Paravitrea lacteodens*);
- 18 (w) Ridged lioplax (*Lioplax subcarinata*);
- 19 (x) Roanoke slabshell (*Elliptio roanokensis*);
- 20 ~~(x)~~(y) Saw-tooth disc (*Discus bryanti*);
- 21 (z) Seep mudalia (*Leptoxis dilatata*);
- 22 ~~(y)~~(aa) Spike (*Elliptio dilatata*);
- 23 ~~(z)~~(bb) Spiral coil (*Helicodiscus bonamicus*);
- 24 ~~(aa)~~(cc) Velvet covert (*Inflectarius subpalliatu*);
- 25 ~~(bb)~~(dd) Waccamaw amnicola (*Amnicola* sp.);
- 26 ~~(cc)~~ ~~Waccamaw lampmussel (*Lampsilis crocata*);~~
- 27 ~~(dd)~~(ee) Waccamaw siltsnail (*Cincinnatia* sp.); and
- 28 ~~(ee)~~(ff) Wavy-rayed lampmussel (*Lampsilis fasciola*).
- 29 (7) Reptiles:
- 30 (a) Carolina pigmy rattlesnake (*Sistrurus miliarius miliarius*);
- 31 ~~(b)~~ ~~Carolina swamp snake (*Seminatrix pygaea paludis*);~~
- 32 ~~(b)~~(c) Carolina watersnake (*Nerodia sipedon williamengelsi*);
- 33 (d) Cumberland slider (*Trachemys scripta troostii*);
- 34 ~~(c)~~(e) Diamondback terrapin (*Malaclemys terrapin*);
- 35 (f) Eastern chicken turtle (*Deirochelys reticularia reticularia*);
- 36 ~~(d)~~(g) Eastern smooth green snake (*Opheodrys vernalis vernalis*);
- 37 ~~(e)~~(h) Eastern spiny softshell (*Apalone spinifera spinifera*);

- 1 ~~(f)~~(i) Mimic glass lizard (*Ophisaurus mimicus*);
- 2 ~~(g)~~ Northern pine snake (~~*Pituophis melanoleucus melanoleucus*~~);
- 3 ~~(h)~~(j) Outer Banks kingsnake (*Lampropeltis getula sticticeps*);
- 4 ~~(i)~~ Southern hognose snake (~~*Heterodon simus*~~);
- 5 ~~(j)~~(k) Stripeneck musk turtle (*Sternotherus minor peltifer*); and
- 6 ~~(k)~~(l) Timber rattlesnake (*Crotalus horridus*).

7

8 *History Note:* Authority G.S. 113-134; 113-291.2; 113-292; 113-333;

9 Eff. September 1, 1989;

10 Amended Eff. October 1, 2017, August 1, 2016; May 1, 2008; July 18, 2002; April 1, 2001;

11 November 1, 1991; April 1, 1991; June 1, 1990.

12