

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2794**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax

Locality: Little Difficult Run, by Stuart Mill Road, ca. 1.4 road miles E off Fox Mill Road, 4.1 miles WNW center of Vienna

Lat/Long: 38.9124° N, 77.3393° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 01 June 2010 Time: 1415-1610

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, Maridith G. Gatens, John S. Odenkirk (VDGIF) Gear: backpack electrofisher Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60106	Leuciscidae	<i>Campostoma</i>	<i>anomalum</i>	Central Stoneroller	3	1
60105	Leuciscidae	<i>Clinostomus</i>	<i>funduloides</i>	Rosyside Dace	8	2
60101	Leuciscidae	<i>Exoglossum</i>	<i>maxilllingua</i>	Cutlip Minnow	8	3
60108	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	13	2
60095	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	1	0
60100	Leuciscidae	<i>Rhinichthys</i>	<i>atratus</i>	Blacknose Dace	21	4
60107	Leuciscidae	<i>Rhinichthys</i>	<i>cataractae</i>	Longnose Dace	4	1
60102	Leuciscidae	<i>Semotilus</i>	<i>atromaculatus</i>	Creek Chub	5	0
60103	Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	3	0
60096	Ictaluridae	<i>Noturus</i>	<i>insignis</i>	Margined Madtom	1	0
60097	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	1	0
60098	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0
60099	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	2	0
60104	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	11	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	5+	0

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Field/Locality#: **WCS-2795**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax

Locality: Snakeden Branch, below Soapstone Drive (above Lake Audubon), 4.7 miles WNW center of Vienna

Lat/Long: 38.9302° N, 77.3444° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 01 June 2010 Time: 1700-1715

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, Maridith G. Gatens, John S. Odenkirk (VDGIF) Gear: backpack electrofisher Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Recently renovated creek, still under construction, much degraded

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60133	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Rhinichthys</i>	<i>atratus</i>	Blacknose Dace	few	0
Leuciscidae	<i>Semotilus</i>	<i>atromaculatus</i>	Creek Chub	few	0
Centrarchidae	<i>Lepomis</i>	<i>cyaneus</i>	Green Sunfish	few	0

Field/Locality#: **WCS-2796**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax

Locality: Wolf Trap Creek, by Rosewood Hill Drive, just N of Browns Mill Road, 3.8 miles NNW center of Vienna

Lat/Long: 38.9537° N, 77.2863° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 01 June 2010 Time: 1730-1830

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, Maridith G. Gatens, John S. Odenkirk (VDGIF) Gear: backpack electrofisher Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60150	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	9	2
60148	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	2	0
60143	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	1	0
60145	Leuciscidae	<i>Rhinichthys</i>	<i>atratus</i>	Blacknose Dace	10	0
60144	Leuciscidae	<i>Rhinichthys</i>	<i>cataractae</i>	Longnose Dace	3	0
60151	Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	2	0
60153	Catostomidae	<i>Hypentelium</i>	<i>nigricans</i>	Northern Hog Sucker	2	0
60146	Ictaluridae	<i>Noturus</i>	<i>insignis</i>	Margined Madtom	2	0
60152	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
60149	Centrarchidae	<i>Lepomis</i>	<i>cyaneus</i>	Green Sunfish	3	0
60147	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	2	0
60142	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	3	0

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Field/Locality#: **WCS-2797**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: District of Columbia-Virginia County: District of Columbia-Arlington

Locality: Potomac River, 1.2 mile reach from 400 m above Chain Bridge Road to Fletchers Boathouse, W end of D.C. and Arlington

Start: 38.9318° N, 77.1173° W; End: 38.9188° N, 77.103° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 June 2010

Time: 1030-1145 Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, MG Gatens; JS Odenkirk & MW Isel (VDGIF); LT Lyon, E Thaday, J

Swann, D Ryan (DCDE) Gear: 2 electrofishing boats Depth of Capture: to 2 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
59983	Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	1	0
59999	Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
59985	Engraulidae	<i>Anchoa</i>	<i>mitschilli</i>	Bay Anchovy	1	0
59971	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	3	2
59972	Clupeidae	<i>Alosa</i>	<i>sapidissima</i>	American Shad	1	1
59970	Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	2	0
59995	Leuciscidae	<i>Cyprinella</i>	<i>spiloptera</i>	Spotfin Shiner	33	0
59991	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	7	0
59986	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	2	0
60039	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	2	0
59988	Leuciscidae	<i>Pimephales</i>	<i>notatus</i>	Bluntnose Minnow	6	0
59973	Cyprinidae	<i>Cyprinus</i>	<i>rubrofuscus</i>	Koi	2	0
59974	Catostomidae	<i>Carpiodes</i>	<i>cyprinus</i>	Quillback	2	2
59976	Catostomidae	<i>Moxostoma</i>	<i>erythrurum</i>	Golden Redhorse	4	3
59975	Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	3	1
59979	Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	3	1
59980	Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	2	0
59990	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	1	0
59981	Belonidae	<i>Strongylura</i>	<i>marina</i>	Atlantic Needlefish	3	0
59987	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	3	0
59978	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	3	1
59994	Moronidae	<i>Morone</i>	<i>saxatilis</i>	Striped Bass	2	0
59996	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	1	0
59993	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	2	0
59997	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	2	0
59992	Centrarchidae	<i>Lepomis</i>	<i>megalotis</i>	Longear Sunfish	2	0
59977	Centrarchidae	<i>Micropterus</i>	<i>dolomieu</i>	Smallmouth Bass	2	1
59998	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
59989	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0

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59984	Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	2	0
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## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Catostomidae	<i>Carpiodes</i>	<i>cyprinus</i>	Quillback	few	0
Catostomidae	<i>Moxostoma</i>	<i>erythrurum</i>	Golden Redhorse	common	0
Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	few	0
Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	few	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	common	0
Moronidae	<i>Morone</i>	<i>saxatilis</i>	Striped Bass	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Micropterus</i>	<i>dolomieu</i>	Smallmouth Bass	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	6	0

Field/Locality#: **WCS-2798**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: District of Columbia-Virginia County: District of Columbia-Arlington

Locality: Potomac River, at small island in front of Fletchers Boathouse landing, in W end of D.C.

Lat/Long: 38.9185° N, 77.1031° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 June 2010 Time: 1300-1315

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley Gear: 24' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60035	Leuciscidae	<i>Cyprinella</i>	<i>spiloptera</i>	Spotfin Shiner	155	0
60031	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	1	0
60030	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	9	0
60036	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	2	0
60029	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	4	0
60033	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	12	4
60034	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	2	0
60032	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	2	1

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Field/Locality#: **WCS-2799**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: District of Columbia-Virginia County: District of Columbia-Arlington

Locality: Potomac River, sand bar along Virginia shore, ca. 0.5 mile above (W of) Key Bridge crossing, W end of Arlington and D.C.

Lat/Long: 38.9024° N, 77.0787° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 June 2010 Time: 1330-1340

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley Gear: 24' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60037	Leuciscidae	<i>Pimephales</i>	<i>notatus</i>	Bluntnose Minnow	1	0
60038	Centrarchidae	<i>Lepomis</i>	<i>megalotis</i>	Longear Sunfish	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Cyprinella</i>	<i>spiloptera</i>	Spotfin Shiner	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0

Field/Locality#: **WCS-2800**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: District of Columbia-Virginia County: District of Columbia-Arlington

Locality: Potomac River, channel along west side of Roosevelt Island above walk bridge, E side of Rosslyn

Lat/Long: 38.8964° N, 77.0656° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 June 2010 Time: 1400-1430

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, MG Gatens; JS Odenkirk & MW Isel (VDGIF); LT Lyon, E Thaday, J Swann, D Ryan (DCDE) Gear: 12' seine, electrofishing boat Depth of Capture: to 2 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60019	Leuciscidae	<i>Cyprinella</i>	<i>spiloptera</i>	Spotfin Shiner	1	0
60026	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	6	0
60023	Leuciscidae	<i>Pimephales</i>	<i>notatus</i>	Bluntnose Minnow	71	0
60028	Catostomidae	<i>Moxostoma</i>	<i>erythrurum</i>	Golden Redhorse	2	0
60024	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	23	0
60022	Fundulidae	<i>Fundulus</i>	<i>heteroclitus</i>	Mummichog	1	0
60025	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
60027	Centrarchidae	<i>Lepomis</i>	<i>cyanellus</i>	Green Sunfish	1	0
60021	Centrarchidae	<i>Micropterus</i>	<i>dolomieu</i>	Smallmouth Bass	1	0
60020	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	14	0

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Field/Locality#: **WCS-2801**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: District of Columbia-Virginia County: District of Columbia-Arlington

Locality: Potomac River, cove area between Gravelly Point and N end of National Airport near boat ramp, in E Arlington

Lat/Long: 38.8632° N, 77.0408° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 June 2010 Time: 1500 Accession Number: 12563

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, MG Gatens; JS Odenkirk & MW Isel (VDGIF); LT Lyon, E Thaday, J Swann, D Ryan (DCDE) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
59982	Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	2	0
Remarks: Observed, escaped					

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Field/Locality#: **WCS-2802**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Maryland-Virginia County: Montgomery-Fairfax

Locality: Potomac River, upstream and downstream ends of Plummers Island and Swainson Island area, just E of I-495 crossing, W side of Bethesda

Start: 38.9693° N, 77.1779° W; End: 38.971° N, 77.1689° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 03 June 2010

Time: 0900-1245 Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, Maridith G. Gatens; Matt J. Ashton (MDDNR) Gear: backpack electrofisher, 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60070	Leuciscidae	<i>Campostoma</i>	<i>anomalum</i>	Central Stoneroller	2	0
60076	Leuciscidae	<i>Cyprinella</i>	<i>spiloptera</i>	Spotfin Shiner	20	2
60074	Leuciscidae	<i>Ericymba</i>	<i>buccata</i>	Silverjaw Minnow	5	3
60085	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	2	0
60069	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	22	7
60083	Leuciscidae	<i>Nocomis</i>	<i>micropogon</i>	River Chub	4	1
60084	Leuciscidae	<i>Pimephales</i>	<i>notatus</i>	Bluntnose Minnow	24	2
60073	Leuciscidae	<i>Rhinichthys</i>	<i>atratus</i>	Blacknose Dace	3	0
60067	Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	1	0
60082	Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	3	0
60078	Catostomidae	<i>Hypentelium</i>	<i>nigricans</i>	Northern Hog Sucker	1	0
60088	Catostomidae	<i>Moxostoma</i>	<i>erythrurum</i>	Golden Redhorse	3	0
60077	Ictaluridae	<i>Noturus</i>	<i>insignis</i>	Margined Madtom	2	0
60080	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	4	0
60081	Centrarchidae	<i>Ambloplites</i>	<i>rupestris</i>	Rock Bass	3	0
60079	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	7	0
60072	Centrarchidae	<i>Lepomis</i>	<i>cyanellus</i>	Green Sunfish	3	0
60087	Centrarchidae	<i>Lepomis</i>	<i>megalotis</i>	Longear Sunfish	2	0
60071	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
60068	Percidae	<i>Etheostoma</i>	<i>blennioides</i>	Greenside Darter	22	4
60075	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	11	3
60086	Percidae	<i>Percina</i>	<i>peltata</i>	Shield Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2807**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax

Locality: Difficult Run, at Browns Mill Road, 3.8 miles NNW center of Vienna

Lat/Long: 38.95319° N, 77.29139° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 04 June 2010 Time: 1100-1145

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, Maridith G. Gatens Gear: backpack electrofisher, 12' seine Depth of

Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60140	Leuciscidae	<i>Campostoma</i>	<i>anomalum</i>	Central Stoneroller	1	0
60139	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	9	0
60138	Leuciscidae	<i>Exoglossum</i>	<i>maxillingua</i>	Cutlip Minnow	1	0
60141	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	6	0
60135	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	2	0
60136	Leuciscidae	<i>Rhinichthys</i>	<i>atratus</i>	Blacknose Dace	3	0
60137	Leuciscidae	<i>Rhinichthys</i>	<i>cataractae</i>	Longnose Dace	9	0
60134	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	6	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Leuciscidae	<i>Semotilus</i>	<i>atromaculatus</i>	Creek Chub		1
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0



# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2808**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Matta R.

Country: United States State: Virginia County: Caroline

Locality: Matta River, at CR 632 (Edgehill Academy Road), 8.1 miles WNW Bowling Green

Lat/Long: 38.103° N, 77.481° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 04 June 2010 Time: 1400-1450

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Collected swampy side channel and main creek

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60050	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	7	0
60053	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	22	0
60051	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	0
60056	Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	2	0
60054	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	4	0
60055	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	3	0
60052	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	4	0
60049	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0
60048	Percidae	<i>Percina</i>	<i>peltata</i>	Shield Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2813**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./South R.

Country: United States State: Virginia County: Caroline

Locality: South River, at CR 638 (South River Road), 5.0 miles W of Bowling Green

Lat/Long: 38.0525° N, 77.4395° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 14 July 2010 Time: 1245-1330

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60609	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	10	3
60611	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	1	0
60605	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	11	2
60606	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	9	2
60616	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	2	0
60614	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	1	0
60613	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	2	0
60618	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	2	0
60607	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	3	1
60619	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	8	0
60615	Centrarchidae	<i>Lepomis</i>	<i>cyanellus</i>	Green Sunfish	1	0
60617	Centrarchidae	<i>Lepomis</i>	<i>gulosus</i>	Warmouth	1	0
60612	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0
60608	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	41	3
60610	Percidae	<i>Percina</i>	<i>notogramma</i>	Stripeback Darter	3	1

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Field/Locality#: **WCS-2814**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R.

Country: United States State: Virginia County: Caroline

Locality: Mattaponi River, at CR 722 (Nelson Hill Road), on S side of Milford Community, 2.7 miles SW of Bowling Green

Lat/Long: 38.01884° N, 77.37718° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 14 July 2010 Time: 1400-1500

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60663	Leuciscidae	<i>Clinostomus</i>	<i>funduloides</i>	Rosyside Dace	2	0
60652	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	16	2
60659	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	1	0
60651	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	44	1
60657	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	6	0
60650	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	13	2
60648	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	12	1
60653	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	11	2
60656	Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	2	0
60665	Ictaluridae	<i>Noturus</i>	<i>insignis</i>	Margined Madtom	1	0
60664	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	2	0
60662	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	1	0
60660	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	3	0
60661	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	1	0
60658	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0
60655	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	21	1
60649	Percidae	<i>Etheostoma</i>	<i>vitreum</i>	Glassy Darter	7	2
60654	Percidae	<i>Percina</i>	<i>peltata</i>	Shield Darter	19	5

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0

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Field/Locality#: **WCS-2815**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R.

Country: United States State: Virginia County: Caroline

Locality: Small (beaver?) impoundment of small unnamed tributary to Maracossic Creek, above (ENE of) CR 640 (Smoots Road), 2.7 miles ESE of Bowling Green

Lat/Long: 38.0335° N, 77.30105° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 14 July 2010 Time: 1535-1550

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley Gear: 12' seine Depth of Capture: to 0.5 m Salinity: F

Locality Remarks: Site is on border of Fort A.P. Hill

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Remarks: YOY					
Ictaluridae	<i>Ameiurus</i>	<i>natalis</i>	Yellow Bullhead	1	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	2-3	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

Field/Locality#: **WCS-2816**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R.

Country: United States State: Virginia County: Caroline

Locality: Smoots Pond (impounded tributary to Marcossic Creek), W shore just above (N of) CR 640 (Smoots Road), 4.1 miles ESE of Bowling Green

Lat/Long: 38.01896° N, 77.2809° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 14 July 2010 Time: 1615-1645

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60676	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	3	0
60677	Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		few	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0

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Field/Locality#: **WCS-2817**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R.

Country: United States State: Virginia County: Caroline

Locality: Maracossic Creek, at CR 641 (at Smoots Community), 4.3 miles ESE of Bowling Green

Lat/Long: 38.01543° N, 77.27934° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 14 July 2010 Time: 1710-1725

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		few	0

Field/Locality#: **WCS-2818**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R.

Country: United States State: Virginia County: Caroline

Locality: Mattaponi River, at CR 626 (Woodford Road), 5.1 miles NW of Bowling Green

Lat/Long: 38.10564° N, 77.40945° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 14 July 2010 Time: 1810-1830

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	4-5	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	few	0

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Field/Locality#: **WCS-2819**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Maryland-Virginia County: Montgomery-Fairfax

Locality: Potomac River, 0.7 mile reach from E end of Swainsons Island upstream to head of Plummers Island and I-495 bridge, SW edge of Bethesda

Start: 38.9705° N, 77.1662° W; End: 38.9693° N, 77.179° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 15 July 2010

Time: 1015-1250 Accession Number: 12537

Collector(s): Wayne C. Starnes, Matt J. Ashton, J. Kilian Gear: electrofishing boat Depth of Capture: to 2 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
59952	Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	3	0
59962	Leuciscidae	<i>Cyprinella</i>	<i>spiloptera</i>	Spotfin Shiner	21	0
59964	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	3	0
59963	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	6	0
59957	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	1	0
59961	Leuciscidae	<i>Pimephales</i>	<i>notatus</i>	Bluntnose Minnow	12	0
59951	Catostomidae	<i>Carpiodes</i>	<i>cyprinus</i>	Quillback	2	0
59955	Catostomidae	<i>Hypentelium</i>	<i>nigricans</i>	Northern Hog Sucker	1	0
59950	Catostomidae	<i>Moxostoma</i>	<i>erythrurum</i>	Golden Redhorse	2	0
59949	Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	4	0
59960	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	5	0
59956	Centrarchidae	<i>Lepomis</i>	<i>cyanellus</i>	Green Sunfish	1	0
59958	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	6	0
59959	Centrarchidae	<i>Lepomis</i>	<i>megalotis</i>	Longear Sunfish	8	0
59953	Centrarchidae	<i>Micropterus</i>	<i>dolomieu</i>	Smallmouth Bass	1	0
59954	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Leuciscidae	<i>Cyprinella</i>	<i>spiloptera</i>	Spotfin Shiner	abundant	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		few	0
Cyprinidae	<i>Notropis</i>	<i>procne</i>		few	0
Leuciscidae	<i>Pimephales</i>	<i>notatus</i>	Bluntnose Minnow	common	0
Catostomidae	<i>Carpiodes</i>	<i>cyprinus</i>	Quillback	few	0
Catostomidae	<i>Hypentelium</i>	<i>nigricans</i>	Northern Hog Sucker	few	0
Catostomidae	<i>Moxostoma</i>	<i>erythrurum</i>	Golden Redhorse	common	0
Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	common	0

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Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>cyaneus</i>	Green Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>dolomieu</i>	Smallmouth Bass	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		few	0

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Field/Locality#: **WCS-2820**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Maryland-Virginia County: Montgomery-Fairfax

Locality: Potomac River, side channels on N side of Swainsons Island, ca. 0.5 miles downstream (E of) I-495 crossing, SW side of Bethesda

Lat/Long: 38.9711° N, 77.1695° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 15 July 2010 Time: 1015-1215

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley, P Ciccotto Gear: backpack electrofisher, 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60121	Leuciscidae	<i>Campostoma</i>	<i>anomalum</i>	Central Stoneroller	5	0
60123	Leuciscidae	<i>Cyprinella</i>	<i>spiloptera</i>	Spotfin Shiner	15	0
60109	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	10	0
60110	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	14	0
60127	Leuciscidae	<i>Nocomis</i>	<i>micropogon</i>	River Chub	3	0
60111	Leuciscidae	<i>Pimephales</i>	<i>notatus</i>	Bluntnose Minnow	8	0
60131	Leuciscidae	<i>Rhinichthys</i>	<i>atratus</i>	Blacknose Dace	2	0
60113	Leuciscidae	<i>Semotilus</i>	<i>atromaculatus</i>	Creek Chub	7	0
60120	Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	8	0
60122	Catostomidae	<i>Hypentelium</i>	<i>nigricans</i>	Northern Hog Sucker	3	0
60118	Catostomidae	<i>Moxostoma</i>	<i>erythrurum</i>	Golden Redhorse	3	0
60132	Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	3	0
60119	Ictaluridae	<i>Ameiurus</i>	<i>natalis</i>	Yellow Bullhead	1	0
60116	Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	1	0
60117	Ictaluridae	<i>Noturus</i>	<i>insignis</i>	Margined Madtom	5	0
60112	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	8	0
60125	Centrarchidae	<i>Ambloplites</i>	<i>rupestris</i>	Rock Bass	2	0
60130	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	4	0
60124	Centrarchidae	<i>Lepomis</i>	<i>cyanellus</i>	Green Sunfish	2	0
60126	Centrarchidae	<i>Lepomis</i>	<i>megalotis</i>	Longear Sunfish	3	0
60129	Centrarchidae	<i>Micropterus</i>	<i>dolomieu</i>	Smallmouth Bass	2	0
60128	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	3	0
60114	Percidae	<i>Etheostoma</i>	<i>blennioides</i>	Greenside Darter	7	0
60115	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	7	0



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Field/Locality#: **WCS-2821**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Stafford

Locality: Potomac Creek, northernmost channel (marshy run), at CR 608 (Brooke Road), 5.0 miles NE center of Fredericksburg

Lat/Long: 38.35632° N, 77.395° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 15 July 2010 Time: 1900-1930

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Stream is split into multiple channels at this crossing (worked smaller N channel)

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60596	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	10	0
60604	Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	7	2
60601	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	8	1
60603	Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	12	1
60600	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	12	2
60594	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
60602	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	86	1
60597	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	3	0
60599	Centrarchidae	<i>Lepomis</i>	<i>gulosus</i>	Warmouth	1	0
60595	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	10	0
60598	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	2	0

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Field/Locality#: **WCS-2822**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Poni R./Ni R.

Country: United States State: Virginia County: Spotsylvania

Locality: Ni River, at US 1 (at Smiths Mill), 9.6 miles SSW center of Fredericksburg

Lat/Long: 38.17179° N, 77.51851° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 16 July 2010 Time: 0915-0950

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60705	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	5	0
60699	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	30	1
60700	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
60703	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	1	0
60698	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	42	7
60702	Ictaluridae	<i>Noturus</i>	<i>insignis</i>	Margined Madtom	1	0
60701	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
60706	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	3	0
60704	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	2	0
60707	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
60697	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	24	2

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Field/Locality#: **WCS-2823**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Matta R.

Country: United States State: Virginia County: Spotsylvania

Locality: Matta River, at US 1 (Jessup or Colemans Mill), 1.1 miles S of Thornburg, 13.0 miles SSW center of Fredericksburg

Lat/Long: 38.1171° N, 77.5243° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 16 July 2010 Time: 1005-1100

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60687	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	10	0
60695	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	2	0
60691	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	22	0
60694	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	4	0
60696	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	19	0
60690	Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	1	0
60692	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	3	0
60693	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
60689	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	3	0
60686	Percidae	<i>Percina</i>	<i>notogramma</i>	Stripeback Darter	2	0
60688	Percidae	<i>Percina</i>	<i>peltata</i>	Shield Darter	2	0

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Field/Locality#: **WCS-2824**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Surry

Locality: Bailey Branch, at CR 613 (Cabin Point Road), 10.8 miles WNW of Surry

Lat/Long: 37.1895° N, 77.0174° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 16 July 2010 Time: 1245-1350

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60682	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	3	0
60680	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	2	0
60681	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	4	0
60684	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	2	0
60683	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	5	0
60685	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	4	0
60678	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	3	0
60679	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2825**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Surry

Locality: Brandon Gut (eastern tributary of lower reach of Upper Chippokes Creek), plunge pool below (W of) CR 642 (Cool Spring Road), 10.1 miles NW of Surry

Lat/Long: 37.2255° N, 76.9821° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 16 July 2010 Time: 1415-1440

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley, R Greenlee Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60674	Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
60673	Leuciscidae	<i>Notropis</i>	<i>bifrenatus</i>	Bridle Shiner	3	1
60675	Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	1	0
60666	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	7	0
60669	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	2	0
60667	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	3	0
60672	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	3	0
60670	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0
60668	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	3	0
60671	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	0
Ictaluridae	<i>Ameiurus</i>	<i>natalis</i>	Yellow Bullhead	1	0

Field/Locality#: **WCS-2826**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Surry

Locality: Sunken Meadow Pond, at Beaverdam Road (CR 626) crossing, 7.6 miles NW of Surry

Lat/Long: 37.2051° N, 76.9438° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 16 July 2010 Time: 1520-1540

Accession Number: 12537

Collector(s): Wayne C. Starnes, Bryn H. Tracy, Maridith G. Gatens, Morgan E. Raley Gear: 6' seine, dipnets Depth of Capture: to 1 m Salinity: F

Locality Remarks: Collected at bridge only, lake posted on both sides of road limiting access

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

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Field/Locality#: **WCS-2827**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Charles City-Chesterfield

Locality: James River, spit on NW part of Eppes Island, S of Shirley Plantation, 2.2 miles NE Hopewell

Lat/Long: 37.3309° N, 77.2663° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 August 2010 Time: 1135-1225

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' & 24' seines Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Seined two sites 2- 300 m apart; coordinates taken midway between

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60573	Engraulidae	<i>Anchoa</i>	<i>mitchilli</i>	Bay Anchovy	13	1
60569	Clupeidae	<i>Alosa</i>	<i>mediocris</i>	Hickory Shad	2	0
60571	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	4	0
60565	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	5	1
60567	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	28	8
60568	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	12	2
60570	Fundulidae	<i>Fundulus</i>	<i>heteroclitus</i>	Mummichog	2	0
60574	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	13	2
60572	Moronidae	<i>Morone</i>	<i>saxatilis</i>	Striped Bass	4	0
60566	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	6	2

Field/Locality#: **WCS-2828**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Charles City

Locality: Herring Creek embayment (tidal backwater of James River), S off VA 5, behind Westover Church, 7.2 miles ENE of Hopewell

Lat/Long: 37.3299° N, 77.1601° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 August 2010 Time: 1400-1440

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60583	Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	1	0
60575	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	2	0
60577	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	4	0
60576	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	0
60581	Ictaluridae	<i>Noturus</i>	<i>gyrinus</i>	Tadpole Madtom	6	2
60582	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	15	5
60580	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	3	0
60579	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0
60578	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0

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Field/Locality#: **WCS-2829**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Charles City

Locality: Herring Creek, below (E of) CR 633/640 intersection, 6.1 miles ENE of Hopewell

Lat/Long: 37.33034° N, 77.18143° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 August 2010 Time: 1530-1550

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60588	Clupeidae	<i>Alosa</i>	<i>pseudoharengus</i>	Alewife	5	1
60587	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	30	2
60591	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	4	0
60592	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	7	0
60585	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	1	0
60589	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	7	0
60593	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
60590	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	4	0
60586	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	2	0
60584	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	5	2

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Field/Locality#: **WCS-2830**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: Charles City-New Kent

Locality: Borrow pits, between two channels of Chickahominy River, just W of VA 155 crossing, 0.8 miles S of Providence Forge (and US 60 junction)

Lat/Long: 37.4303° N, 77.0394° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 August 2010 Time: 1625-1645

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 24' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Seined two large borrow pits, coordinates are taken at an average

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60626	Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	2	0
60622	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	9	0
60620	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
60621	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0
60625	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	3	0
60624	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	4	0
60623	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	2	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	0
Remarks: Dead on shore.					
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0

Field/Locality#: **WCS-2831**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Pamunkey R.

Country: United States State: Virginia County: New Kent

Locality: St. Peters Swamp (tidal backwater of Pamunkey River), off N end of Lily Point Road and W end of large impounded western tributary at Rockahock Bar Road, ca. 12-13 miles W of West Point

Start: 37.5528° N, 77.0233° W; End: 37.5598° N, 77.0239° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 August 2010 Time: 1750-1830 Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: dipnets Depth of Capture: to 0.5 m Salinity: F

Locality Remarks: Collected St. Peters from duck boat docks, impounded tributary at bridge crossing (both areas too deep for seining)

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0



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Field/Locality#: **WCS-2832**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Pamunkey R.

Country: United States State: Virginia County: King William

Locality: Ollsons Pond (impoundment of Herrick Creek), by W Euclid Boulevard, 2.3 miles NW center of West Point

Lat/Long: 37.5546° N, 76.8329° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 August 2010 Time: 1910-1925

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60629	Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
60628	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	6	0
60627	Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	2	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0

Field/Locality#: **WCS-2833**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Pamunkey R.

Country: United States State: Virginia County: King William

Locality: Pond (impounded tributary of Herrick Creek), 0.2 mile W of Ollsons Pond on S side of Euclid Boulevard, 2.5 miles NW center of West Point

Lat/Long: 37.5552° N, 76.8368° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 02 August 2010 Time: 1930-1945

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

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Field/Locality#: **WCS-2834**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Piankatank R.

Country: United States State: Virginia County: Essex-King and Queen

Locality: Dragon Run (=Dragon Swamp), at CR 604 (Byrds Bridge Road), 2.3 miles SSW center of Center Cross

Lat/Long: 37.7715° N, 76.7898° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 03 August 2010 Time: 0945-1100

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine, backpack electrofisher Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60637	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	10	0
60631	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	2	0
60638	Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	3	0
60632	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
60630	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	6	1
60635	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
60634	Centrarchidae	<i>Enneacanthus</i>	<i>obesus</i>	Banded Sunfish	1	0
60633	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	2	0
60636	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0

Field/Locality#: **WCS-2835**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R.

Country: United States State: Virginia County: Essex

Locality: Essex Millpond (impoundment of Mill Creek), by CR 609 (Essex Mill Road) near Essex Mill, 4.6 miles S center of Tappahannock

Lat/Long: 37.8601° N, 76.8448° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 03 August 2010 Time: 1130-1155

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Ictaluridae	<i>Ameiurus</i>	<i>natalis</i>	Yellow Bullhead	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	common	0

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Field/Locality#: **WCS-2836**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R.

Country: United States State: Virginia County: Essex

Locality: Piscataway Creek, at boat ramp above (W of) US 17, 3.8 miles S center of Tappahannock

Lat/Long: 37.8704° N, 76.8477° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 03 August 2010 Time: 1210-1225

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60647	Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	1	0
60641	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	4	2
60642	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	9	1
60644	Fundulidae	<i>Fundulus</i>	<i>heteroclitus</i>	Mummichog	2	0
60639	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	20	1
60646	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	1	0
60645	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	4	0
60643	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	2	0
60640	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	7	2

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Field/Locality#: **WCS-2837**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R.

Country: United States State: Virginia County: Essex

Locality: Piscataway Creek, at CR 691 (Gordons Mill Road, = old US 360 just E of present US 360), 3.9 miles SSW center of Tappahannock

Lat/Long: 37.8773° N, 76.8999° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 03 August 2010 Time: 1245-1345

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60552	Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
60561	Leuciscidae	<i>Alburnops</i>	<i>chalybaeus</i>	Ironcolor Shiner	8	2
60545	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	5	0
60551	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	1	0
60554	Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	5	0
60548	Ictaluridae	<i>Noturus</i>	<i>gyrinus</i>	Tadpole Madtom	3	0
60553	Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	1	0
60544	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	2	0
60555	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	4	0
60549	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	1	0
60546	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
60547	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
60550	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	2	0
60543	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	8	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0

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Field/Locality#: **WCS-2838**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R.

Country: United States State: Virginia County: Richmond

Locality: Cat Point Creek, at CR 637 (County Bridge Road), 8.0 miles NNE center of Tappahannock

Lat/Long: 38.0395° N, 76.8269° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 03 August 2010 Time: 1620-1635

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	1	0
Remarks: Dead on shore					
Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	abundant	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	common	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>			1

Field/Locality#: **WCS-2839**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R./Corrotoman R.

Country: United States State: Virginia County: Lancaster

Locality: Camps Millpond (impoundment of Camps Prong of upper Eastern Branch of Carrotoman River), at Camps Mill Road (CR 790), 2.6 miles N center of Kilmarnock

Lat/Long: 37.7451° N, 76.398° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 03 August 2010 Time: 1830-1905

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Google Earth has pond named as "Kamps", probably in error

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Ictaluridae	<i>Ameiurus</i>	<i>natalis</i>	Yellow Bullhead	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		few	0

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Field/Locality#: **WCS-2840**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: James City

Locality: Yarmouth Creek, below Cranstons Pond at Cranstons Millpond Road (CR 632), 8.0 miles NW Williamsburg

Lat/Long: 37.3471° N, 76.815° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 04 August 2010 Time: 1610-1635

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: Millpond dam breached but augmented by beaver activity.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Ictaluridae	<i>Ameiurus</i>	<i>natalis</i>	Yellow Bullhead	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	0

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Field/Locality#: **WCS-2841**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: James City

Locality: Jolly Pond (impoundment of upper Gordon Creek), and outlet stream at Jolly Pond Road (CR 633), 6.5 miles WNW center of Williamsburg

Lat/Long: 37.2965° N, 76.8193° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 04 August 2010 Time: 1700-1755

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Pond posted, so just cast-seined from road embankment, largely ineffective due to depth and limited reach.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60564	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	19	0
60562	Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	6	0
60557	Ictaluridae	<i>Noturus</i>	<i>gyrinus</i>	Tadpole Madtom	1	0
60560	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	1	0
60556	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	2	0
60563	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	25	0
60558	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	5	0
60559	Centrarchidae	<i>Lepomis</i>	<i>gulosus</i>	Warmouth	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0

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Field/Locality#: **WCS-2843**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: James City-New Kent

Locality: Diascund Creek embayment headwaters, S of US 60, ca. 14.0 miles NW center of Williamsburg

Lat/Long: 37.4194° N, 76.8906° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 31 August 2010 Time: 1400-1405

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, R Greenlee (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: F

Locality Remarks: Electrofishing equipment failed after 5 min or less of sampling

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Mugilidae	<i>Mugil</i>	<i>cephalus</i>	Striped Mullet	abundant	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	1	0

Field/Locality#: **WCS-2844**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: James City

Locality: Powhatan Creek, below VA 5, 4.0 miles WSW center of Williamsburg

Lat/Long: 37.249° N, 76.7726° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 31 August 2010 Time: 1715-1800

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley Gear: 6' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60742	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	4	0
60743	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	4	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	0
Remarks: About 18" TL					
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0



# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2845**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Surry

Locality: Grays Creek, at CR 618 (Southwark Road), 2.4 miles NW of Surry

Lat/Long: 37.1685° N, 76.8568° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 01 September 2010 Time: 1030-1140

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley Gear: 12' seine, dipnet Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Collected pool above bridge and shallow area in stream ca. 70-100 m below bridge.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60753	Leuciscidae	<i>Notropis</i>	<i>bifrenatus</i>	Bridle Shiner	2	0
60745	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	2	0
60744	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	5	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	2-3	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2-3	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0

Field/Locality#: **WCS-2846**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Nansemond R.

Country: United States State: Virginia County: Isle of Wight

Locality: Carbell Swamp, at CR 603 (Everets Road), 4.3 miles ENE of Windsor

Lat/Long: 36.8219° N, 76.6691° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 01 September 2010 Time: 1400-1430

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1-2	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0

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Field/Locality#: **WCS-2847**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Sussex

Locality: Stony Creek, at US 301/I-95, at town of Stony Creek

Lat/Long: 36.9497° N, 77.3922° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 01 September 2010 Time: 1830-1945

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Site is just upstream of water treatment facility.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
60750	Leuciscidae	<i>Luxilus</i>	<i>albeolus</i>	White Shiner	1	0
60746	Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	10	2
60757	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	1	0
60756	Leuciscidae	<i>Nocomis</i>	<i>raneyi</i>	Bull Chub	3	0
60752	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	9	0
60749	Centrarchidae	<i>Ambloplites</i>	<i>cavifrons</i>	Roanoke Bass	3	1
60754	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	2	0
60751	Centrarchidae	<i>Lepomis</i>	<i>gulosus</i>	Warmouth	1	0
60747	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	4	2
60748	Percidae	<i>Percina</i>	<i>nevisensis</i>	Chainback Darter	8	2
60755	Percidae	<i>Percina</i>	<i>roanoka</i>	Roanoke Darter	2	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	abundant	0

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Field/Locality#: **WCS-2849**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Surry

Locality: Grays Creek, ca. 2.0 mile section of tidal reach from 0.3 river miles downstream of CR 618 crossing to ca. 2.3 river miles below, 2.1 miles N of Surry

Start: 37.167° N, 76.8516° W; End: 37.1689° N, 76.8266° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2010 Time: 1500-1555 Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Maridith G. Gatens, Robert S. Greenlee (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: <1 ppt

Locality Remarks: This field # out of chronological sequence due to an earlier omission.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61913	Engraulidae	<i>Anchoa</i>	<i>mitchilli</i>	Bay Anchovy	21	4
61910	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	13	2
61911	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	3	0
61909	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	4	2
61915	Mugilidae	<i>Mugil</i>	<i>cephalus</i>	Striped Mullet	2	0
61905	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	9	4
61914	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	13	4
61903	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	6	2
61912	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	3	0
61907	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	2	0
61906	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	10	5
61908	Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	2	0
61904	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	Spot	5	2

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	abundant	0
Engraulidae	<i>Anchoa</i>	<i>mitchilli</i>	Bay Anchovy	abundant	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	abundant	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0
Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	Spot	common	0

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Field/Locality#: **WCS-2857**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Prince George-Surry

Locality: Upper Chippokes Creek, tidal reach from 1.2 to 2.9 river miles below VA 10 crossing, 11.4 miles WNW of Surry

Start: 37.1988° N, 77.0315° W; End: 37.2091° N, 77.0157° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2010 Time: 1800-1840 Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Maridith G. Gatens, Robert S. Greenlee (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: <1 ppt

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61892	Engraulidae	<i>Anchoa</i>	<i>mitschilli</i>	Bay Anchovy	1	0
61888	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	2	1
61893	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	2	0
61895	Leuciscidae	<i>Notropis</i>	<i>bifrenatus</i>	Bridle Shiner	57	28
61894	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	1	0
61889	Fundulidae	<i>Fundulus</i>	<i>heteroclitus</i>	Mummichog	1	1
61891	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	1	0
61890	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	abundant	0
Engraulidae	<i>Anchoa</i>	<i>mitschilli</i>	Bay Anchovy	abundant	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	1	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		common	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	abundant	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	1	0
Mugilidae	<i>Mugil</i>	<i>cephalus</i>	Striped Mullet	few	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	common	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	common	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. nigrum/olmstedii)</i>		common	0

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Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0
Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	Spot	common	0

Field/Locality#: **WCS-2858**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Prince George

Locality: Wards Creek, tidal reach from 1.4 to 3.7 river miles below VA 10 crossing, 12.6 miles ESE Hopewell

Start: 37.2301° N, 77.0735° W; End: 37.2524° N, 77.0633° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 October 2010 Time: 0930-1045 Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Maridith G. Gatens, Robert S. Greenlee (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: <1 ppt

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61900	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	1	0
61902	Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	2	0
61901	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	1	0
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	abundant	0
Engraulidae	<i>Anchoa</i>	<i>mitchilli</i>	Bay Anchovy	abundant	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		common	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	abundant	0
Mugilidae	<i>Mugil</i>	<i>cephalus</i>	Striped Mullet	few	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

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Field/Locality#: **WCS-2859**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Prince George

Locality: Flower Dew Hundred Creek, upper tidal portion from 1.1 to 2.3 river miles below Nobles Road crossing, 10.1 miles ESE of Hopewell

Start: 37.2688° N, 77.1021° W; End: 37.2767° N, 77.0999° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 October 2010 Time: 1115-1215 Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Maridith G. Gatens, Robert S. Greenlee (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61884	Engraulidae	<i>Anchoa</i>	<i>mitchilli</i>	Bay Anchovy	1	0
61885	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	14	0
61883	Leuciscidae	<i>Notropis</i>	<i>bifrenatus</i>	Bridle Shiner	5	0
61886	Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	2	0
61887	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	abundant	0
Engraulidae	<i>Anchoa</i>	<i>mitchilli</i>	Bay Anchovy	abundant	0
Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	common	0
Mugilidae	<i>Mugil</i>	<i>cephalus</i>	Striped Mullet	common	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0
Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	Spot	1	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2860**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Charles City

Locality: Herring Creek, tidal portion from 2.1 to 3.4 river miles above mouth, ca. 7.0 miles ENE of Hopewell

Start: 37.3283° N, 77.157° W; End: 37.3312° N, 77.1663° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 October

2010 Time: 1300-1340 Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Maridith G. Gatens, Robert S. Greenlee (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61846	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	3	0
61847	Leuciscidae	<i>Notropis</i>	<i>bifrenatus</i>	Bridle Shiner	1	0
61864	Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	2	0
61866	Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	abundant	0
Engraulidae	<i>Anchoa</i>	<i>mitschilli</i>	Bay Anchovy	abundant	0
Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Catostomidae	<i>Erismyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	common	0
Mugilidae	<i>Mugil</i>	<i>cephalus</i>	Striped Mullet	few	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

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Field/Locality#: **WCS-2861**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Prince George

Locality: Powell Creek, upper tidal reach from ca. 0.7 to 2.0 river miles below VA 10 crossing, ca. 8.0 miles ESE of Hopewell

Start: 37.2562° N, 77.1503° W; End: 37.2682° N, 77.1503° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 October 2010 Time: 1415-1445 Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Maridith G. Gatens, Robert S. Greenlee (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61842	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	2	0
61871	Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	1	0
61841	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	12	0
61840	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	4	0
61843	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
61845	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0
61844	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	abundant	0
Engraulidae	<i>Anchoa</i>	<i>mitchilli</i>	Bay Anchovy	abundant	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	several	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		abundant	0
Catostomidae	<i>Erismyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	abundant	0
Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	1	0
Remarks: Observed but out of net reach.					
Mugilidae	<i>Mugil</i>	<i>cephalus</i>	Striped Mullet	few	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0



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Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

Field/Locality#: **WCS-2862**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Prince George

Locality: Powell Creek, lower tidal reach ca. 1.9 river miles above mouth, near mouth of tributary, ca.7.1 miles ESE of Hopewell

Lat/Long: 37.2828° N, 77.1577° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 October 2010 Time: 1510-1520

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley, Maridith G. Gatens, R Greenlee (VDGIF) Gear: electrofishing boat Depth of Capture: 2-3 m

Salinity: F

Locality Remarks: Electrofished at low frequency for catfish

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61865	Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	7	0
61868	Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	6	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	1	0

Field/Locality#: **WCS-2863**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Surry

Locality: Grays Creek, at CR 618, 2.4 miles NNW of Surry

Lat/Long: 37.1685° N, 76.8569° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 October 2010 Time: 1745-1820

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley Gear: backpack electrofisher & 6' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: Backpack shocked and cast seined from small john boat.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
Leuciscidae	<i>Notemigonus</i>	<i>cryssoleucas</i>	Golden Shiner	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0

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Field/Locality#: **WCS-2864**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Charles City

Locality: Harrison Lake (SW shore), and outlet stream (Herring Creek) on grounds of USFWS fish hatchery, 6.1 miles ENE of Hopewell

Lat/Long: 37.344° N, 77.1869° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 20 October 2010 Time: 1315-1345

Accession Number: 12537

Collector(s): Wayne C. Starnes, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: Coordinates taken between two sites which were less than 200 m apart.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61882	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	1	0
61879	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	1	0
61880	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	3	0
61878	Centrarchidae	<i>Lepomis</i>	<i>gulosus</i>	Warmouth	3	0
61881	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	0
61877	Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Remarks: In stream.					
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	1	0
Remarks: Pool in stream.					
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	3	0
Remarks: Pool in stream.					
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Remarks: In lake.					
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		common	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	common	0
Remarks: stream					
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Remarks: Mostly in stream pool.					
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Remarks: Stream pool.					
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0

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Field/Locality#: **WCS-2866**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia-Dinwiddie

Locality: Namozine Creek, at CR 622 (Cobbs Road) and floodplain pool by CR 622 ca. 200 m to the NNW of creek crossing, 15.3 miles ENE Blackstone

Lat/Long: 37.1922° N, 77.7574° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 26 October 2010 Time: 1155-1240 & 1305-1315 Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61872	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	1	1
61874	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	2	0
61876	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
61873	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
61875	Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	2	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		1	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0

Field/Locality#: **WCS-2867**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia-Dinwiddie

Locality: Namozine Creek, above (S of) CR 708 (Namozine Road), 14.4 miles W center of Petersburg

Lat/Long: 37.2435° N, 77.6617° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 26 October 2010 Time: 1350-1420 Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		few	0
Remarks: Overflow pool.					
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	10+	0
Remarks: Most in overflow pool under bridge.					
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Remarks: Overflow pool.					
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	15+	0

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Field/Locality#: **WCS-2868**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Pamunkey R./North Anna R.

Country: United States State: Virginia County: Caroline-Hanover

Locality: North Anna River, at US 1, 8.9 miles N of Ashland

Lat/Long: 37.8893° N, 77.4664° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 26 October 2010 Time: 1615-1650

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61836	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	14	0
61832	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	23	2
61833	Ictaluridae	<i>Ameiurus</i>	<i>natalis</i>	Yellow Bullhead	1	0
61837	Ictaluridae	<i>Noturus</i>	<i>gyrinus</i>	Tadpole Madtom	7	0
61839	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
61838	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
61835	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
61834	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	7	0

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Field/Locality#: **WCS-2869**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Matta R.

Country: United States State: Virginia County: Spotsylvania

Locality: Matta River, at CR 646 (Stanfield Road), 14.2 miles SSW center of Fredericksburg

Lat/Long: 38.1112° N, 77.5684° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 26 October 2010 Time: 1745-1820

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61828	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	1	0
61830	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	5	0
61829	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	10	0
61824	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	26	0
61831	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	8	0
61825	Ictaluridae	<i>Noturus</i>	<i>insignis</i>	Margined Madtom	2	0
61827	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
61826	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0

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Field/Locality#: **WCS-2870**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax

Locality: Little Hunting Creek, tidal reach from mouth to 1.7 river miles above, ca. 1.0 miles NE of Mt. Vernon

Start: 38.7335° N, 77.0815° W; End: 38.7121° N, 77.0737° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 27 October 2010 Time: 0940-1230 Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, John S. Odenkirk (VDGIF) Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61848	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	5	0
61855	Clupeidae	<i>Alosa</i>	<i>sapidissima</i>	American Shad	7	0
61857	Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	1	0
61854	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	9	0
61851	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	6	0
61858	Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	2	0
61861	Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	2	0
61862	Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	1	0
61849	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	1	0
61850	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	14	3
61856	Fundulidae	<i>Fundulus</i>	<i>heteroclitus</i>	Mummichog	1	1
61852	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	2	0
61859	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	3	0
61853	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
61860	Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	2	0
61863	Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	2	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	few	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	several	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0
Remarks: Very large.					
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	2	0
Remarks: 1 -- released (previously tagged); 1 to J Odenkirk for aging study.					

Field/Locality#: **WCS-2871**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax

Locality: Potomac River, mouth of Dogue Creek embayment, area just E of Mt. Vernon Yacht Club, on S side of Mt. Vernon (town)

Lat/Long: 38.6972° N, 77.1146° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 27 October 2010 Time: 1245-1305

Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, John S. Odenkirk (VDGIF) Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		few	0
Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	few	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	common	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

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Field/Locality#: **WCS-2872**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Prince William

Locality: Neabsco Creek embayment and lower tidal reach, from 0.4 to 1.0 river miles above mouth, ca. 3.6 miles S center of Woodbridge

Start: 38.6098° N, 77.2691° W; End: 38.6016° N, 77.2599° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 28 October 2010 Time: 0900-0920 Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, John S. Odenkirk (VDGIF), L. Warren (Piedmont Env. Council) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: F

Locality Remarks: Turbid, poor visibility, most fishes probably not seen.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	few	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	common	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0



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Field/Locality#: **WCS-2873**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax

Locality: Kanes Creek, lower tidal reach from mouth (into Occoquan Bay) to ca. 0.9 river miles upstream, ca. 3.0 -3.9 miles E center of Woodbridge

Start: 38.6499° N, 77.1942° W; End: 38.6507° N, 77.1781° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 28 October 2010 Time: 1000-1055 Accession Number: 12537

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Morgan E. Raley, John S. Odenkirk (VDGIF), L. Warren (Piedmont Env. Council) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
61815	Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
61808	Clupeidae	<i>Alosa</i>	<i>pseudoharengus</i>	Alewife	1	0
61816	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	11	0
61818	Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	4	0
61870	Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	2	0
61869	Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	2	0
61812	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	15	0
61809	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	1	0
61819	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	1	0
61811	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	0
61810	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0
61814	Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	3	0
61817	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	Spot	2	0
61867	Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	abundant	0
Clupeidae	<i>Alosa</i>	<i>pseudoharengus</i>	Alewife	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	few	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	abundant	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0

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Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	6	0
Remarks: 4 tagged or taken for aging study by J Odenkirk; 2 observed but not netted.					

Field/Locality#: **WCS-2892**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: James City

Locality: Warburton Pond (impounded southern tributaries to Gordon Creek), off end of Thompson Lane, W off Centerville Road (CR 614), 6.2 miles WNW center of Williamsburg

Lat/Long: 37.2859° N, 76.8209° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 24 May 2011 Time: 1350-1450

Accession Number: 12646

Collector(s): Wayne C. Starnes, Maridith G. Gatens, R Greenlee Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: With permission, on property of J. Lee and Bonnie Mershon, 500 Thompson Lane, Williamsburg, VA 23188 (757-880-6260)

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	common	0
Remarks: Many large spms					
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0

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Field/Locality#: **WCS-2893**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Surry

Locality: Impoundment of lower Bailey Branch, below (W of) Cabin Point Road (CR 613), 11.0 miles WNW of Surry

Lat/Long: 37.1949° N, 77.0217° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 25 May 2011 Time: 1020-1110

Accession Number: 12646

Collector(s): Wayne C. Starnes, Maridith G. Gatens, R Greenlee Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: With permission, on property of Henry Kamps, 2800 Anna Kay Crossing, Midlothian, VA 23113 (804-379-8867)

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	abundant	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	4-5	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	20+	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	1	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	10+	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0

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Field/Locality#: **WCS-2894**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Surry

Locality: Sunken Meadow Pond (impoundment of Sunken Meadow Creek), on S side of Sunken Meadow Road (CR 609) and James River, 7.7 miles WNW of Surry

Lat/Long: 37.2153° N, 76.937° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 25 May 2011 Time: 1320-1410

Accession Number: 12646

Collector(s): Wayne C. Starnes, Maridith G. Gatens, R Greenlee Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: With permission, on property of Curtis and Elizabeth Evan, 1313 Sunken Meadow Road, Claremont, VA 23899 (804-866-0221).

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65188	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	65	0
65187	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	abundant	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Remarks: Post larval/early juvs only					
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	common	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0

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Field/Locality#: **WCS-2895**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Stafford

Locality: Aquia Creek embayment (south shore), area about 1.0 miles SE Bennetts Point, 9.9 miles NE center of Fredericksburg

Lat/Long: 38.4089° N, 77.3477° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 07 June 2011 Time: 0945-1040

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Joh S. Odenkirk, J. Michael Fisk Gear: electrofishing boat Depth of Capture: to 1.5 m

Salinity: F

Locality Remarks: Electrofishing effort 2600 secs.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65208	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
Clupeidae	<i>Alosa</i>	<i>sp.</i>		1	0
Remarks: Juvenile observed.					
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	few	0
Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	1	0
Remarks: Observed					
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	few	0
Belonidae	<i>Strongylura</i>	<i>marina</i>	Atlantic Needlefish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

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Field/Locality#: **WCS-2896**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Maryland-Virginia County: Charles-Prince William

Locality: Potomac River (west shore), just N of Quantico, near mouth of Quantico Creek embayment, including SAV Bed 220, 3.8 miles SE Dumfries

Start: 38.5213° N, 77.2855° W; End: 38.52756° N, 77.2846° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 07 June 2011 Time: 1115-1200 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, John S. Odenkirk, J. Michael Fisk Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Electrofishing effort 1900 secs

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65189	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	12	0
65190	Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	few	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	few	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	few	0
Belonidae	<i>Strongylura</i>	<i>marina</i>	Atlantic Needlefish	common	0
Remarks: Many YOY					
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2897**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Stafford

Locality: Upper tidal portion of Aquia Creek (Government Island area), 11.0 miles NNE center of Fredericksburg

Start: 38.4407° N, 77.367° W; End: 38.4518° N, 77.3853° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 07 June 2011

Time: 1330-1445 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, John S. Odenkirk, J. Michael Fisk Gear: electrofishing boat, dipnet Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65193	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	0
65192	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	1	0
65191	Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	23	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Belonidae	<i>Strongylura</i>	<i>marina</i>	Atlantic Needlefish	few	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	5-6	0

Remarks: Tagged and released by J. Odenkirk, one retained by J.O. for aging.

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2898**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax-Prince William

Locality: Canalized tidal reach of lower Masseys Creek (=Giles Run?), 1.25 mile reach from mouth (Belmont Bay) to head of canal, 1.4 miles E center of Woodbridge

Start: 38.6583° N, 77.226° W; End: 38.66872° N, 77.2206° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 07 June 2011 Time: 1715-1800 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, John S. Odenkirk, J. Michael Fisk Gear: electrofishing boat Depth of Capture: to 1 m Salinity: F

Locality Remarks: VDGIF biologist refers to this water body as Masseys Cr.; however, mapwares label as Giles Run.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65183	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	few	0
Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	abundant	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	few	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	few	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	common	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	12	0

Remarks: 7 of the 12 seen were captured, 5 tagged & released, 2 to J. Odenkirk for aging.



# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2899**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Maryland-Virginia County: Prince Georges-Fairfax

Locality: Potomac River (embayment on W shore), E side of Belhaven, ca. 1.6 miles S center of Alexandria

Lat/Long: 38.7816° N, 77.0438° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 08 June 2011 Time: 0945-1015

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Joh S. Odenkirk, J. Michael Fisk Gear: electrofishing boat Depth of Capture: to 1 m

Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	few	0
Catostomidae	<i>Carpiodes</i>	<i>cyprinus</i>	Quillback	1	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2900**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Maryland-Virginia County: Prince Georges-Fairfax

Locality: Potomac River and lower 0.75 mile of tidal reach of Little Hunting Creek, on E side of Mount Vernon (town)

Start: 38.7047° N, 77.0807° W; End: 38.7211° N, 77.081° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 08 June 2011

Time: 1100-1145 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, John S. Odenkirk, J. Michael Fisk Gear: electrofishing boat Depth of Capture: to 1.5 m

Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Moronidae	<i>Morone</i>	<i>saxatilis</i>	Striped Bass	2	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	4-5	0

Remarks: 4-5 seen, 1 captured, tagged, released.

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2901**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax

Locality: Potomac River (west shore), area just E of Mt. Vernon Yacht Club, on SW side of Mount Vernon (town)

Start: 38.6969° N, 77.1151° W; End: 38.70111° N, 77.11386° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 08 June 2011 Time: 1215-1245 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, John S. Odenkirk, J. Michael Fisk Gear: electrofishing boat Depth of Capture: to 2 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65184	Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Remarks: Some adults observed, 1 small juvenile retained.					
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	1	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	4-5	0
Remarks: Observed.					

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2902**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax

Locality: Dogue Creek, 0.33 mile of lower tidal reach, 2.4 miles W center of Mount Vernon (town)

Start: 38.7077° N, 77.131° W; End: 38.7119° N, 77.1312° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 08 June 2011

Time: 1315-1345 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, John S. Odenkirk, J. Michael Fisk Gear: electrofishing boat Depth of Capture: to 2 m

Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	common	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		1	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	10+	0
Remarks: 4-5 captured, tagged, released.					

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Field/Locality#: **WCS-2903**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax

Locality: Potomac River (Accotink-Pohick bays confluence area), 5.0 miles ENE Woodbridge

Lat/Long: 38.6816° N, 77.1548° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 08 June 2011 Time: 1430-1530

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Joh S. Odenkirk, J. Michael Fisk Gear: electrofishing boat Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	8-10	0
Remarks: Some tagged and released by J. Odenkirk, VDGIF					

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2904**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Appomattox-Buckingham

Locality: Holiday Creek, reach from 150 to 310 m above CR 614 (Forbes Road), ca. 15.0 miles NW Farmville

Lat/Long: 37.41737° N, 78.63873° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 15 June 2011 Time: 1245-1715

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, J Krstolic, MC Moorman, J. McCulla, G. Austin (all w/ USGS) Gear: backpack electrofisher & seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: USGS NAWQA monitoring site.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65171	Leuciscidae	<i>Campostoma</i>	<i>anomalum</i>	Central Stoneroller	3	0
65178	Leuciscidae	<i>Chrosomus</i>	<i>oreas</i>	Mountain Redbelly Dace	9	3
65180	Leuciscidae	<i>Clinostomus</i>	<i>funduloides</i>	Rosyside Dace	9	3
65175	Leuciscidae	<i>Luxilus</i>	<i>cerasinus</i>	Crescent Shiner	11	3
65170	Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	2	0
65173	Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	4	2
65169	Leuciscidae	<i>Rhinichthys</i>	<i>atratus</i>	Blacknose Dace	1	0
65179	Leuciscidae	<i>Semotilus</i>	<i>atromaculatus</i>	Creek Chub	6	2
65172	Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	7	2
65174	Catostomidae	<i>Thoburnia</i>	<i>rhothoea</i>	Torrent Sucker	11	3
65182	Ictaluridae	<i>Noturus</i>	<i>insignis</i>	Margined Madtom	5	2
65181	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	4	1
65177	Percidae	<i>Etheostoma</i>	<i>flabellare</i>	Fantail Darter	11	2
65176	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	8	6

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Chrosomus</i>	<i>oreas</i>	Mountain Redbelly Dace	88	0
Leuciscidae	<i>Clinostomus</i>	<i>funduloides</i>	Rosyside Dace	116	0
Leuciscidae	<i>Luxilus</i>	<i>cerasinus</i>	Crescent Shiner	126	0
Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	101	0
Leuciscidae	<i>Semotilus</i>	<i>atromaculatus</i>	Creek Chub	15	0
Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	4	0
Ictaluridae	<i>Noturus</i>	<i>insignis</i>	Margined Madtom	19	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	17	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. flabellare--roa'k.-susq.)</i>		7	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. nigrum/olmstedii)</i>		1	0

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Field/Locality#: **WCS-2905**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Prince Edward

Locality: Sandy River, at CR 612, 8.4 miles SE Farmville

Lat/Long: 37.2033° N, 78.3011° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 16 June 2011 Time: 0945-1010

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: Very sedimented; fish fauna probably impacted by up & downstream impoundments

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	2	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. flabellare-- roa'k.-susq.)</i>		1	0

Field/Locality#: **WCS-2906**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Prince Edward

Locality: Briery Creek Lake (impoundment of Briery Creek), at end of CR 701 (boat ramp area), 9.3 miles SSW of Farmville

Lat/Long: 37.1787° N, 78.4561° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 16 June 2011 Time: 1355-1405

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0

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Field/Locality#: **WCS-2907**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R./Bush R.

Country: United States State: Virginia County: Prince Edward

Locality: Bush River, at CR 628 (Leigh Mountain Road), 5.4 miles S of Farmville

Lat/Long: 37.2235° N, 78.3886° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 16 June 2011 Time: 1445-1530

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65206	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	2	0
65203	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	14	3
65205	Leuciscidae	<i>Nocomis</i>	<i>micropogon</i>	River Chub	11	0
65201	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	12	1
65204	Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	1	0
65207	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	3	1
65202	Percidae	<i>Etheostoma</i>	<i>vitreum</i>	Glassy Darter	16	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0



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Field/Locality#: **WCS-2908**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Sandy Creek, at CR 650 (Bell Road), 11.3 miles NE of Farmville

Lat/Long: 37.3781° N, 78.2081° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 16 June 2011 Time: 1645-1705

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65197	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	13	0
65200	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
65198	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	3	0
65194	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
65195	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	3	0
65196	Centrarchidae	<i>Lepomis</i>	<i>gulosus</i>	Warmouth	2	0
65199	Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

Field/Locality#: **WCS-2909**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Sweathouse Creek, at CR 615 (Namozine Road), 8.9 miles SE Amelia Courthouse (town)

Lat/Long: 37.2542° N, 77.8642° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 16 June 2011 Time: 2000-2030

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 6' seine Depth of Capture: to 1.5 m+ Salinity: F

Locality Remarks: Deep, beaver impounded reach

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65185	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	11	0
65186	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	17	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	few	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	few	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		few	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0

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Field/Locality#: **WCS-2910**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Greenville-Sussex

Locality: Three Creek, at CR 611 (Brickyard Road), 5.2 miles ENE Emporia

Lat/Long: 36.7132° N, 77.4513° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 28 June 2011 Time: 1250-1325

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Deep, snag-ridden, difficult collecting conditions

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65227	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	4	0
65226	Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	1	0
65228	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	2	1
65225	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	2	0
65229	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	6	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0

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Field/Locality#: **WCS-2911**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Surry

Locality: Brandon Gut (tributary to lower Upper Chippokes Creek), above Cool Spring Road (CR 642) and to 300 m below in tidal reach, 10.1 miles WNW Surry

Lat/Long: 37.2255° N, 76.982° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 28 June 2011 Time: 1545-1730

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, R Greenlee Gear: 6' & 12' seines Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Collected large beaver impoundment above road culvert, plunge pool below road, and tidal reach ca. 250-300 m below road crossing; GPS taken at road

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
65252	Leuciscidae	<i>Notropis</i>	<i>bifrenatus</i>	Bridle Shiner	15	3
65250	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	2	0
65253	Fundulidae	<i>Fundulus</i>	<i>heteroclitus</i>	Mummichog	7	2
65248	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	1	0
65249	Centrarchidae	<i>Pomoxis</i>	<i>annularis</i>	White Crappie	1	0
65251	Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	2	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	few	0
Fundulidae	<i>Fundulus</i>	<i>heteroclitus</i>	Mummichog	common	0
Fundulidae	<i>Fundulus</i>	<i>heteroclitus</i>	Mummichog	common	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	abundant	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	2	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0

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Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0
Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	1	0
Remarks: Escaped					
Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	1	0
Remarks: Escaped before preservation.					

Field/Locality#: **WCS-2912**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: James City

Locality: Gordon Creek, 2.1 mile reach of upper tidal portion, 6.2-7.6 miles W center of Williamsburg

Start: 37.2861° N, 76.8432° W; End: 37.2918° N, 76.8166° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 29 June 2011 Time: 0930-1040 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Robert S. Greenlee Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67024	Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	2	0
67026	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	13	0
67025	Leuciscidae	<i>Notropis</i>	<i>bifrenatus</i>	Bridle Shiner	1	0
67023	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	1	0
67027	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	5	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	abundant	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Catostomidae	<i>Erismyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	1	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>heteroclitus</i>	Mummichog	common	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

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Field/Locality#: **WCS-2913**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: Charles City

Locality: Morris Creek, upper tidal reach from Wilcox Neck Road to ca. 1.0 mile downstream, 11.9-12.8 miles WNW center of Williamsburg

Start: 37.3183° N, 76.9356° W; End: 37.31° N, 76.9199° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 29 June 2011

Time: 1220-1255 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Robert S. Greenlee Gear: electrofishing boat Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	abundant	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	common	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

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Field/Locality#: **WCS-2914**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: James City-New Kent

Locality: Diascund Creek (upper tidal portion), reach from 0.25 to ca. 2.0 miles below US 60, 14.3-13.4 miles NW center of Williamsburg

Start: 37.4214° N, 76.8918° W; End: 37.3996° N, 76.8963° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 29 June 2011 Time: 1515-1640 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Robert S. Greenlee Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67022	Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	1	0
67021	Leuciscidae	<i>Notropis</i>	<i>bifrenatus</i>	Bridle Shiner	8	0
67020	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Remarks: 1 juv retained.					
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	1	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	abundant	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	1	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	common	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	common	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2915**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: James City

Locality: Yarmouth Creek (upper tidal portion), reach from 0.6 to 1.1 mile below Cranstons Mill Pond Road, 7.7-8.3 miles NW center of Williamsburg

Start: 37.3408° N, 76.8217° W; End: 37.3404° N, 76.8347° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 30 June 2011 Time: 0930-1015 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Robert S. Greenlee Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67061	Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	3	0
67324	Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	1
67060	Leuciscidae	<i>Notropis</i>	<i>bifrenatus</i>	Bridle Shiner	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Remarks: 3 juvs retained.					
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	abundant	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

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Field/Locality#: **WCS-2916**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: James City

Locality: Diascund Creek Reservoir, eastern (Wahrani Swamp) arm, reach from 200 m to ca. 0.9 mile downstream of I-64, 15.2-15.0 miles NW center of Williamsburg

Start: 37.4521° N, 76.8726° W; End: 37.4437° N, 76.8812° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 30 June 2011 Time: 1120-1200 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Robert S. Greenlee Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67036	Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	4	0
67037	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	4	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	2	0
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	common	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Catostomidae	<i>Erismyza</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	abundant	0
Remarks: 4 retained					
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0



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Field/Locality#: **WCS-2917**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: Charles City-New Kent

Locality: Chickahominy River (upper reaches of Chickahominy Lake reservoir), from Oldhouse Landing area to ca. 1.0 mile downstream, 1.8-2.3 miles SE of Providence Forge

Start: 37.4197° N, 77.0248° W; End: 37.4174° N, 77.0124° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 30 June 2011 Time: 1425-1455 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Robert S. Greenlee Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	common	0
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	common	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	common	0
Remarks: YOY					
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	abundant	0
Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	1	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	abundant	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	common	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0

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Field/Locality#: **WCS-2918**  
Cont./Ocean: North America  
Drainage: Chesapeake Bay Basin/James R./Appomattox R./Bush R.  
Country: United States State: Virginia County: Prince Edward  
Locality: Bush River, at CR 637, 4.6 miles SSE center of Farmville  
Lat/Long: 37.2358° N, 78.3803° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 July 2011 Time: 1105-1150  
Accession Number: 12646  
Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F  
Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67029	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	7	0
67028	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	1	0
67030	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	4	0
67031	Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	4	0
67035	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	14	4
67034	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	7	5
67032	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
67033	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	1	0

Field/Locality#: **WCS-2919**  
Cont./Ocean: North America  
Drainage: Chesapeake Bay Basin/James R./Appomattox R./Bush R.  
Country: United States State: Virginia County: Prince Edward  
Locality: Sandy River Reservoir, west shore at end of CR 605, 5.8 miles SE center of Farmville  
Lat/Long: 37.242° N, 78.3187° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 July 2011 Time: 1215-1230  
Accession Number: 12646  
Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F  
Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0

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Field/Locality#: **WCS-2920**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R./Bush R.

Country: United States State: Virginia County: Prince Edward

Locality: Sandy River Reservoir (upper (south) end), west shore at end of CR 606, 7.3 miles SE of Farmville

Lat/Long: 37.2217° N, 78.3047° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 July 2011 Time: 1250-1310

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0

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Field/Locality#: **WCS-2921**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R./Bush R.

Country: United States State: Virginia County: Prince Edward

Locality: Bush River, at US 460 (and borrow pit side channel S of road), 2.8 miles SE center of Farmville

Lat/Long: 37.2783° N, 78.3509° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 July 2011 Time: 1400-1500

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67052	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	7	0
67055	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	5	0
67056	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	1	0
67049	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	7	0
67057	Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	6	0
67051	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	2	0
67053	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	6	0
67050	Catostomidae	<i>Hypentelium</i>	<i>nigricans</i>	Northern Hog Sucker	2	0
67058	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	1	0
67054	Centrarchidae	<i>Lepomis</i>	<i>gulosus</i>	Warmouth	1	0
67059	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	3	0
67048	Percidae	<i>Etheostoma</i>	<i>vitreum</i>	Glassy Darter	7	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. flabellare--roa'k.-susq.)</i>		2	0

Remarks: YOY

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Field/Locality#: **WCS-2922**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R./Bush R.

Country: United States State: Virginia County: Prince Edward

Locality: Sandy River, at US 460, 4.3 miles ESE center of Farmville

Lat/Long: 37.2756° N, 78.3213° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 July 2011 Time: 1520-1550

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: Tailwater area w/ depressed water temps (ca. 1 mi below Sandy River Res. Dam) but good fish diversity.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67016	Leuciscidae	<i>Clinostomus</i>	<i>funduloides</i>	Rosyside Dace	3	0
67019	Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	2	0
67017	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
67018	Percidae	<i>Etheostoma</i>	<i>vitreum</i>	Glassy Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	2	0
Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	common	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	few	0
Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	abundant	0
Cyprinidae	<i>Notropis</i>	<i>procne</i>		few	0
Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	common	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. flabellare--roa'k.-susq.)</i>		1	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	1	0

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Field/Locality#: **WCS-2923**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Flat Creek, at CR 642 (Amelia Springs Road), 6.9 miles W of Amelia Court House (town)

Lat/Long: 37.3302° N, 78.1058° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 July 2011 Time: 1630-1705

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 2 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67012	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	2	0
67013	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	5	0
67011	Leuciscidae	<i>Luxilus</i>	<i>albeolus</i>	White Shiner	5	0
67014	Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	25	0
67008	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	7	0
67015	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	5	0
67010	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	5	0
67009	Percidae	<i>Etheostoma</i>	<i>vitreum</i>	Glassy Darter	9	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	common	0
Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	common	0
Cyprinidae	<i>Notropis</i>	<i>procne</i>		abundant	0
Catostomidae	<i>Hypentelium</i>	<i>nigricans</i>	Northern Hog Sucker	1	0
Remarks: large spm					
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2924**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Flat Creek, at CR 644 (Rocky Ford Rd) and adjacent backwater & beaver impoundment on W side of creek, 5.3 miles WNW Amelia Court House (town)

Lat/Long: 37.3805° N, 78.0639° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 July 2011 Time: 1800-1920

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67045	Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	1	0
67044	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	7	0
67046	Leuciscidae	<i>Notropis</i>	<i>bifrenatus</i>	Bridle Shiner	2	0
67047	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
67043	Percidae	<i>Percina</i>	<i>notogramma</i>	Stripeback Darter	4	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	common	0
Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	few	0
Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Cyprinidae	<i>Notropis</i>	<i>procne</i>		common	0
Catostomidae Remarks: YOY	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	few	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	1	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. nigrum/olmstedii)</i>		few	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2925**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: North Branch Nibbs Creek, at CR 687 (Harrisons Road), 2.8 miles W of Amelia Court House (town)

Lat/Long: 37.3408° N, 78.0311° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 20 July 2011 Time: 0845-0910

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1m+ Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	common	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	2	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. nigrum/olmstedii)</i>		1	0

Field/Locality#: **WCS-2926**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Flat Creek, at CR 604 (Chula Road) and swamp on N side above road, 6.2 miles NE of Amelia Court House (town)

Lat/Long: 37.4033° N, 77.8961° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 20 July 2011 Time: 1100-1200

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1m+ Salinity: F

Locality Remarks: Swamp likely formed by former millrace berm.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	few	0
Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	few	0
Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	few	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	1	0
Remarks: Meant to retain but escaped.					
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0



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Field/Locality#: **WCS-2927**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Beaverpond Creek, at VA 153 & millpond above highway, 6.3 miles SE of Amelia Court House (town)

Lat/Long: 37.2972° N, 77.8822° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 20 July 2011 Time: 1605-1635

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: Stream very warm due to surface release from impoundment.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	1	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	1	0
Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	2	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	abundant	0

Field/Locality#: **WCS-2928**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Sweathouse Creek, at CR 615 (Namozine Road), 8.9 miles SE of Amelia Court House (town)

Lat/Long: 37.2543° N, 77.8641° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 20 July 2011 Time: 1700-1725

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 2 m Salinity: F

Locality Remarks: Beaver impounded.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Remarks: YOY					
Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	few	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	common	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	common	0

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Field/Locality#: **WCS-2929**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: South Buckskin Creek, at CR 640 (and slough ditch along S side of road), 6.8 miles SW of Amelia Court House (town)

Lat/Long: 37.2637° N, 78.0531° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 20 July 2011 Time: 1855-1910

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 6' seine Depth of Capture: to 1m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Clinostomus</i>	<i>funduloides</i>	Rosyside Dace	1	0
Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	2	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	common	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>cyaneus</i>	Green Sunfish	1	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. nigrum/olmstedii)</i>		1	0

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Field/Locality#: **WCS-2930**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Sussex

Locality: Nottoway River, 1.4 river miles below Peters Bridge Road (CR 631), 13.1 miles SW of Wakefield

Lat/Long: 36.8494° N, 77.1748° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 08 August 2011 Time: 1315-1330

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Eric Brittle Gear: 12' seine Depth of Capture: to 0.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67041	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	8	0
67040	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	12	0
67042	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	8	0
67039	Catostomidae	<i>Moxostoma</i>	<i>erythrurum</i>	Golden Redhorse	1	0
67038	Percidae	<i>Percina</i>	<i>roanoka</i>	Roanoke Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	1	0
Remarks: Observed					
Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	abundant	0
Cyprinidae	<i>Notropis</i>	<i>procne</i>		abundant	0
Catostomidae	<i>Hypentelium</i>	<i>nigricans</i>	Northern Hog Sucker	few	0
Remarks: Observed					
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0

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Field/Locality#: **WCS-2931**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Southampton

Locality: Nottoway River, multiple locations (including oxbow backwaters), 2.0 to 2.9 river miles below CR 684 (Monroe Road), 5.4-6.2 miles SW of Franklin

Start: 36.6111° N, 76.9749° W; End: 36.6043° N, 76.9865° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 08 August 2011 Time: 1545-1645 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Eric M. Brittle Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67063	Catostomidae	<i>Catostomidae</i>	<i>hybrid (Erimyzon oblongus x sucetta?)</i>	sucker hybrid	1	1
67062	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	1	0
Catostomidae	<i>Moxostoma</i>	<i>collapsum</i>	Notchlip Redhorse	2	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
Mugilidae	<i>Mugil</i>	<i>cephalus</i>	Striped Mullet	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0

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Field/Locality#: **WCS-2932**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Sussex

Locality: Airfield Pond (impoundment of Lightwood Swamp), on W side of CR 628 (Courtland Road), 4.7 miles SSW of Wakefield

Lat/Long: 36.9078° N, 77.0273° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 09 August 2011 Time: 0930-1045

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Eric Brittle Gear: electrofishing boat & 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Conductivity very low, EFB sampling not very effective.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0

Field/Locality#: **WCS-2933**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Greenville

Locality: Slagles Lake (impoundment of upper Three Creek), off CR 617 (Water Wheel Road), 4.7 miles N center of Emporia

Lat/Long: 36.753° N, 77.5255° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 09 August 2011 Time: 1300-1345

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Eric Brittle Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	common	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0

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Field/Locality#: **WCS-2934**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Sussex

Locality: Harrells Pond (impoundment of Poplar Swamp), W of CR 609 (Gray Road), 10.4 miles NE of Emporia

Lat/Long: 36.7855° N, 77.4012° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 09 August 2011 Time: 1450-1530

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Eric Brittle Gear: electrofishing boat Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Very low conductivity, electrofishing largely ineffective.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0

Field/Locality#: **WCS-2941**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Sweathouse Creek, 40-60 m above CR 682, 9.8 miles SE Amelia Court House (town)

Lat/Long: 37.2267° N, 77.8752° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 21 September 2011 Time: 1140-1250

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 6' & 12' seines, dipnet Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
66960	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	1	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	2	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	few	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0

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Field/Locality#: **WCS-2942**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Sweathouse Creek, at CR 708, 7.8 miles ESE of Amelia Court House (town)

Lat/Long: 37.2792° N, 77.8612° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 21 September 2011 Time: 1330-1355

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
66970	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	4	0
66968	Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	7	0
66967	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	2	0
66969	Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	2	0
66974	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	2	0
66972	Centrarchidae	<i>Lepomis</i>	<i>cyanellus</i>	Green Sunfish	1	0
66973	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	4	0
66971	Percidae	<i>Percina</i>	<i>peltata</i>	Shield Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	few	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

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Field/Locality#: **WCS-2943**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Deep Creek, at CR 612 (Richmond Road), 9.3 miles ESE of Amelia Court House (town)

Lat/Long: 37.3046° N, 77.8169° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 21 September 2011 Time: 1435-1505

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 0.6 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
66977	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	11	0
66978	Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	20	0
66975	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	6	0
66979	Ictaluridae	<i>Noturus</i>	<i>insignis</i>	Margined Madtom	1	0
66980	Centrarchidae	<i>Micropterus</i>	<i>punctulatus</i>	Spotted Bass	1	0
66976	Percidae	<i>Etheostoma</i>	<i>vitreum</i>	Glassy Darter	2	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0



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Field/Locality#: **WCS-2944**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Nottoway

Locality: Deep Creek, at CR 611 (Little Creek Road), 6.4 miles ENE of Crewe

Lat/Long: 37.19427° N, 78.00915° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 21 September 2011 Time: 1700-1810 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 6' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
66983	Leuciscidae	<i>Hudsonius</i>	<i>altipinnis</i>	Highfin Shiner	2	0
66985	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	6	0
66984	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	5	0
66981	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	1	0
66982	Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	2	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Catostomidae Remarks: YOY	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	few	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		few	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0

Field/Locality#: **WCS-2945**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Nottoway

Locality: Deep Creek, at CR 614 (Clear Creek Road), 7.8 miles ENE of Crewe

Lat/Long: 37.20949° N, 77.98606° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 22 September 2011 Time: 0845-0920 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 6' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
66986	Centrarchidae	<i>Acantharchus</i>	<i>pomotis</i>	Mud Sunfish	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0

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Field/Locality#: **WCS-2946**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Nottoway

Locality: Woody Creek, at CR 607 (Bible Road), 6.1 miles E of Crewe

Lat/Long: 37.17218° N, 78.00937° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 22 September 2011 Time: 0940-1005 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
66989	Leuciscidae	<i>Hudsonius</i>	<i>altipinnis</i>	Highfin Shiner	76	17
66990	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	20	0
66988	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	12	0
66987	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	3	0
66991	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	2	0
66992	Centrarchidae	<i>Lepomis</i>	<i>gulosus</i>	Warmouth	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Cyprinidae	<i>Notropis</i>	<i>altipinnis</i>		abundant	0
Cyprinidae	<i>Notropis</i>	<i>procne</i>		abundant	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0

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Field/Locality#: **WCS-2947**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Lake/slough (large borrow pit?) on W side of Appomattox River, N side of US 360, 6.9 miles ENE of Amelia Court House (town)

Lat/Long: 37.35597° N, 77.85593° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 22 September 2011 Time: 1155-1225 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: No submerged vegetation; shad/game fish only present.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
66995	Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	1	0
66994	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	5	0
66996	Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	common	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	1	0

Field/Locality#: **WCS-2948**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia-Dinwiddie

Locality: Namozine Creek, at CR 622 (Cobbs Road), 15.3 miles NE of Blackstone

Lat/Long: 37.19217° N, 77.75752° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 22 September 2011 Time: 1400-1435 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
66993	Centrarchidae	<i>Acantharchus</i>	<i>pomotis</i>	Mud Sunfish	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>sp.</i>		few	0

Remarks: Very small YOY, not identifiable in field.

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Field/Locality#: **WCS-2949**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia-Dinwiddie-Nottoway

Locality: Namozine Creek, at CR 625 (Wells Road), 13.7 miles NE of Blackstone

Lat/Long: 37.19533° N, 77.79401° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 22 September 2011 Time: 1445-1520 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
66998	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	15	5
66999	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	30	6
66997	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	2	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0

Field/Locality#: **WCS-2950**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Dinwiddie

Locality: Hatcher Run, at CR 628 (Tranquility Lane), 12.5 miles WSW of Petersburg

Lat/Long: 37.16288° N, 77.60443° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 22 September 2011 Time: 1605-1620 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 6' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: Head of impoundment (mill pond?).

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	1	0

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Field/Locality#: **WCS-2951**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Dinwiddie

Locality: Hawkins Run, at CR 626 (Flatfoot Road), 10.8 miles NW of Stony Creek

Lat/Long: 37.04766° N, 77.55297° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 22 September 2011 Time: 1645-1700 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 6' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

Field/Locality#: **WCS-2952**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Sussex

Locality: Stony Creek, and large diversion pond, by unnamed farm road, 0.33 - 0.4 mile W off CR 657 (Main Street), 0.5 miles NW center of Stony Creek (town)

Start: 36.95327° N, 77.40907° W; End: 36.95352° N, 77.40699° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 22 September 2011 Time: 1745-1820 Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: Collected & GPS'd NE corner of pond first, then creek shoal area 200-300 m to east. No fish retained from pond.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67004	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	1	0
67007	Leuciscidae	<i>Luxilus</i>	<i>albeolus</i>	White Shiner	13	0
67001	Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	8	0
67002	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	6	0
67006	Leuciscidae	<i>Nocomis</i>	<i>raneyi</i>	Bull Chub	4	0
67005	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	2	0
67000	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	2	0
67003	Percidae	<i>Etheostoma</i>	<i>vitreum</i>	Glassy Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2953**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: James City

Locality: Lake Powell and outflow stream (Mill Creek) below beaver dam, just N of VA 31, 3.4 miles SW center of Williamsburg

Lat/Long: 37.2381° N, 76.7469° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 26 September 2011 Time: 1840-1920

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue Gear: 6' & 12' seines Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Abundant aquatic vegetation in pond, including Ceratophyllum.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
66952	Clupeidae	<i>Alosa</i>	<i>pseudoharengus</i>	Alewife	1	0
66953	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	20	7

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0

Field/Locality#: **WCS-2954**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: James City

Locality: Jolly Pond (impoundment of Gordon Creek), N of CR 633 (Jolly Pond Road), 6.3 miles WNW center of Williamsburg

Lat/Long: 37.3009° N, 76.8209° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 27 September 2011 Time: 1130-1245

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, R Greenlee, W Kane (landowner) Gear: electrofishing boat Depth of Capture: to 1.5 m

Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Remarks: One very large specimen photoed, one of largest ever seen by W. Starnes; appeared to be typical of oblongus in every way (no indication of sucetta). W.C. Starnes 1/2012					
Ictaluridae	<i>Ameiurus</i>	<i>natalis</i>	Yellow Bullhead	2	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0

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Field/Locality#: **WCS-2955**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: James City

Locality: Gordon Creek, ca. 300 m reach below (S of) Jolly Pond Road (CR 633), 6.3 miles WNW center of Williamsburg

Lat/Long: 37.2956° N, 76.82° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 27 September 2011 Time: 1420-1510

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	1	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	common	0

Field/Locality#: **WCS-2956**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Poni R./Po R.

Country: United States State: Virginia County: Spotsylvania

Locality: Po River, at CR 632 (E off US 1), ca.100 m below Stanards Mill, 10.6 miles S of Fredericksburg

Lat/Long: 38.148° N, 77.5139° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 28 September 2011 Time: 0915-0945

Accession Number: 12646

Collector(s): Wayne C. Starnes, Gabriela M. Hogue Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: River high, seining largely ineffective.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
66951	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

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Field/Locality#: **WCS-2957**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Nottoway

Locality: Cellar Creek, at CR 610 (Green Hill Road), 8.5 miles N of Blackstone

Lat/Long: 37.2026° N, 77.9706° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2011 Time: 1140-1215

Accession Number: 12646

Collector(s): Wayne C. Starnes, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67170	Leuciscidae	<i>Hudsonius</i>	<i>altipinnis</i>	Highfin Shiner	6	0
67173	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	19	0
67171	Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	20	0
67172	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	41	0
67168	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	3	0
67169	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	2	0
67174	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
67167	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Percidae	<i>Etheostoma</i>	<i>sp. (cf. nigrum/olmstedii)</i>		few	0



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Field/Locality#: **WCS-2958**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Nottoway

Locality: Bland Creek, at CR 610 (Cedar Hill Road), 8.1 miles NNE of Blackstone

Lat/Long: 37.1934° N, 77.9512° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2011 Time: 1245-1315

Accession Number: 12646

Collector(s): Wayne C. Starnes, Bryn H. Tracy Gear: 6' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Very difficult seining conditions.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67163	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	5	0
67162	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	1	0
67161	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	3	0
67166	Centrarchidae	<i>Acantharchus</i>	<i>pomotis</i>	Mud Sunfish	1	0
67165	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0
67164	Centrarchidae	<i>Lepomis</i>	<i>gulosus</i>	Warmouth	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0

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Field/Locality#: **WCS-2959**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Sussex

Locality: Nottoway River, shoal area ca. 100 m below (N of) VA 40, 0.7 miles E of I-95 junction and Stony Creek (town)

Lat/Long: 36.942° N, 77.3789° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2011 Time: 1515-1600

Accession Number: 12646

Collector(s): Wayne C. Starnes, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67149	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	12	0
67159	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	10	0
67152	Leuciscidae	<i>Luxilus</i>	<i>albeolus</i>	White Shiner	15	0
67158	Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	5	0
67156	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	5	0
67151	Leuciscidae	<i>Nocomis</i>	<i>raneyi</i>	Bull Chub	23	0
67153	Catostomidae	<i>Moxostoma</i>	<i>cervinum</i>	Blacktip Jumprock	1	0
67155	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	1	0
67157	Percidae	<i>Etheostoma</i>	<i>flabellare</i>	Fantail Darter	7	4
67160	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	7	0
67154	Percidae	<i>Percina</i>	<i>nevisensis</i>	Chainback Darter	3	0
67150	Percidae	<i>Percina</i>	<i>roanoka</i>	Roanoke Darter	10	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0

Field/Locality#: **WCS-2960**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Sussex

Locality: Impoundment ("Pond 602") of Dobie Swamp (also = Dicks Branch?), on W side of CR 620 (Cabin Point Road), 10.6 miles NE of Stony Creek (town)

Lat/Long: 37.0442° N, 77.2514° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2011 Time: 1630-1650

Accession Number: 12646

Collector(s): Wayne C. Starnes, Bryn H. Tracy Gear: 6' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: DeLorme Atlas labels system as Dobie Swamp but DeLorme map software as Dicks Branch. "Pond 602" is derived from a VDGIF survey report on Blackbanded Sunfish (formerly present at this locale).

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0

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Field/Locality#: **WCS-2961**  
Cont./Ocean: North America  
Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.  
Country: United States State: Virginia County: Prince George  
Locality: Joseph Swamp, at CR 627 (Loving Union Road), 13.0 miles SE center of Petersburg  
Lat/Long: 37.0759° N, 77.277° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2011 Time: 1710-1730  
Accession Number: 12646  
Collector(s): Wayne C. Starnes, Bryn H. Tracy Gear: 6' seine Depth of Capture: to 1 m+ Salinity: F  
Locality Remarks: Fish very sparse.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	few	0
Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	1	0

Field/Locality#: **WCS-2962**  
Cont./Ocean: North America  
Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Poni R./Po R.  
Country: United States State: Virginia County: Spotsylvania  
Locality: Po River, to 100 m+ below CR 612 (Catharpin Road), 13.8 miles WSW center of Fredericksburg  
Lat/Long: 38.2297° N, 77.7001° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 October 2011 Time: 0905-1010  
Accession Number: 12646  
Collector(s): Wayne C. Starnes, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F  
Locality Remarks: Former *Notropis bifrenatus* locale based on W. Wieland (Mary Washington University) collection, August 1988.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67274	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	16	6
67277	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	6	0
67279	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	1	0
67278	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	3	0
67275	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	8	4
67276	Percidae	<i>Percina</i>	<i>notogramma</i>	Stripeback Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

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Field/Locality#: **WCS-2963**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Poni R./Po R.

Country: United States State: Virginia County: Spotsylvania

Locality: Po River, N side of CR 608 (West Catharpin Road), just above (W of) confluence with Catharpin Run, 15.3 miles WSW center of Fredericksburg

Lat/Long: 38.2237° N, 77.7248° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 October 2011 Time: 1040-1115

Accession Number: 12646

Collector(s): Wayne C. Starnes, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67181	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	5	1
67184	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	3	0
67185	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	6	0
67186	Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	1	0
67183	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	2	0
67182	Percidae	<i>Percina</i>	<i>notogramma</i>	Stripeback Darter	3	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	2	0

Field/Locality#: **WCS-2964**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Poni R./Po R.

Country: United States State: Virginia County: Spotsylvania

Locality: Po River, at CR 608 (Robert E Lee Drive), 11.5 miles SW center of Fredericksburg

Lat/Long: 38.2049° N, 77.6334° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 October 2011 Time: 1140-1210

Accession Number: 12646

Collector(s): Wayne C. Starnes, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	few	0
Cyprinidae	<i>Notropis</i>	<i>procne</i>		few	0
Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

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Field/Locality#: **WCS-2965**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R.

Country: United States State: Virginia County: Caroline

Locality: Goldenvale Creek (inflow to Gouldman Pond), below (NE of) US 17, 1.5 miles W of Port Royal

Lat/Long: 38.1744° N, 77.2178° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 October 2011 Time: 1420-1445

Accession Number: 12646

Collector(s): Wayne C. Starnes, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

Field/Locality#: **WCS-2966**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R.

Country: United States State: Virginia County: Caroline

Locality: Peumansend Creek, (or Mill Cr.?), at US 17, 1.9 miles SE of Port Royal

Lat/Long: 38.1469° N, 77.1761° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 October 2011 Time: 1515-1545

Accession Number: 12646

Collector(s): Wayne C. Starnes, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: DeLorme maps and software refer to this stream portion as Mill Cr. but US 17 bridge sign reads as Peumansend Cr. (which DeLorme applies to a headwater tributary of this stream).

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67179	Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
67176	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	18	2
67175	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	2	0
67180	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0
67177	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	7	3
67178	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	12	5

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2967**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Maryland County: Charles

Locality: Potomac River, Mattawoman Creek tidal embayment, ca. 2.2 miles of lower reach from Smallwood State Park area upstream to above mouth of Marbury Run, 3.1-1.1 miles SW-S center Indian Head

Start: 38.5614° N, 77.1935° W; End: 38.5827° N, 77.1594° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 20 October 2011 Time: 1145-1400 Accession Number: 12646

Collector(s): Wayne C. Starnes, Bryn H. Tracy, JS Odenkirk, Matt J. Ashton, W Harbold Gear: 2 electrofishing boats Depth of Capture: to 2m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
67253	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	19	0
67248	Clupeidae	<i>Alosa</i>	<i>sapidissima</i>	American Shad	3	0
67261	Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	1	0
67256	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	30	0
67257	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	6	0
67264	Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	2	0
67249	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	1	0
67252	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	14	0
67250	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	1	0
67254	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	1	0
67262	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	4	0
67251	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	2	0
67259	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	3	0
67255	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	4	0
67260	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	0
67258	Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	6	0
67263	Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	5	5

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	abundant	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		abundant	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Moronidae	<i>Morone</i>	<i>saxatilis</i>	Striped Bass	1	0

Remarks: Juvenile observed

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	8	0
Remarks: These 8 to MDDNR or tagged & released by VDGIF (J. Odenkirk).					

Field/Locality#: **WCS-2981**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R.

Country: United States State: Virginia County: Southampton

Locality: Windbourne Millpond and Mill Creek, at intersection of Mill Path/Sunbeam roads (CRs 679 and 680), 10.1 miles SSW of Franklin

Lat/Long: 36.5543° N, 77.0197° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 16 October 2012 Time: 1630-1730  
Accession Number: 12849

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
73462	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	6	3
73463	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	2	0
73464	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0
73465	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	4	2

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	common	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	common	0
Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	1	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2982**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Chesterfield

Locality: Side channel of Appomattox River (Cat Island area) and lower mile of Swift Creek, ca. 4-5 miles NNE center of Petersburg

Start: 37.29115° N, 77.3777° W; End: 37.30393° N, 77.3678° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 17 October 2012 Time: 0930-1030 Accession Number: 12849

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy, Eric M. Brittle (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
73468	Engraulidae	<i>Anchoa</i>	<i>mitschilli</i>	Bay Anchovy	28	12
73469	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	25	5
73473	Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	3	0
73472	Clupeidae	<i>Dorosoma</i>	<i>petenense</i>	Threadfin Shad	5	1
73467	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	18	4
73466	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	1	0
73474	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	12	2
73501	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	1
73471	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	3	2
73504	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	6	1
73470	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
73506	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	3	2

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
Engraulidae	<i>Anchoa</i>	<i>mitschilli</i>	Bay Anchovy	abundant	0
Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	abundant	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	few	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		few	0
Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	1	0
Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	2	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	1	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0



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Field/Locality#: **WCS-2983**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Chesterfield-Prince George

Locality: Appomattox River, ca. 1 mile reach below (E of) I-95 crossing, on N side of Petersburg

Start: 37.23834° N, 77.38521° W; End: 37.2472° N, 77.3768° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 17 October 2012 Time: 1100-1145 Accession Number: 12849

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy, Eric M. Brittle (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
73495	Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	1
73460	Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	1
73457	Engraulidae	<i>Anchoa</i>	<i>mitschilli</i>	Bay Anchovy	3	0
73459	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	8	5
73461	Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	1	0
73458	Clupeidae	<i>Dorosoma</i>	<i>petenense</i>	Threadfin Shad	5	0
73456	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	2	0
73499	Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	1	1
73497	Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	1	1
73500	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	abundant	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0

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Field/Locality#: **WCS-2984**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Pamunkey R.

Country: United States State: Virginia County: King William

Locality: Lower 0.7 mile of tidal Jacks Creek, ca. 15.2-15.4 miles WNW of West Point

Start: 37.60271° N, 77.06252° W; End: 37.60805° N, 77.05598° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 17

October 2012 Time: 1615-1645 Accession Number: 12849

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy, Eric M. Brittle (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m  
Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
73496	Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	1
73482	Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	1
73484	Engraulidae	<i>Anchoa</i>	<i>mitschilli</i>	Bay Anchovy	30	12
73491	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	1	0
73492	Clupeidae	<i>Alosa</i>	<i>sapidissima</i>	American Shad	1	1
73483	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	12	1
73493	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	5	3
73498	Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	1	1
73487	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	12	1
73489	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	1	0
73485	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	7	1
73486	Moronidae	<i>Morone</i>	<i>saxatilis</i>	Striped Bass	2	1
73505	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	5	2
73502	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0
73488	Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	3	0
73490	Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	1	0
73494	Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	8	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	few	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	common	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		few	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	common	0
Moronidae	<i>Morone</i>	<i>saxatilis</i>	Striped Bass	2	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

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Field/Locality#: **WCS-2985**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Pamunkey R.

Country: United States State: Virginia County: King William-New Kent

Locality: Pamunkey River, two areas, near mouth of St. Peters Swamp (Lilly Point area) and large embayment N of Pamunkey Indian Reservation (off mouth of Old Town Creek), ca. 11.5-12.7 miles WNW of West Point, [see remarks]

Start: 37.56139° N, 77.00302° W; End: 37.56174° N, 77.00516° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 17 October 2012 Time: 1700-1730 Accession Number: 12849

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy, Eric M. Brittle (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: F

Locality Remarks: Beginning-end coordinates for Lilly Pt. reach are given in Coordinates field; Old Town Cr. area reach is: 37.58468° N, 77.02029° W to 37.58662° N, 77.01775° W.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, ske/mount, cleared and stained specimens	Tissue samples in 95% ethanol
73444	Engraulidae	<i>Anchoa</i>	<i>mitchilli</i>	Bay Anchovy	1	0
73445	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	5	1
73449	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	6	2
73450	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
73451	Mugilidae	<i>Mugil</i>	<i>cephalus</i>	Striped Mullet	1	1
73446	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	8	5
73448	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	19	4
73447	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
73443	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	2	0
73503	Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	2	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Engraulidae	<i>Anchoa</i>	<i>mitchilli</i>	Bay Anchovy	common	0
Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	few	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	common	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	common	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	common	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2986**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: Hanover-Henrico

Locality: Chickahominy River, at US 33, 11.8 miles NNW center of Richmond

Lat/Long: 37.6859° N, 77.5429° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2012 Time: 1010-1025

Accession Number: 12849

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: Limited fish fauna, possibly beaver impoundment and siltation effects.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0

Field/Locality#: **WCS-2987**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: Hanover-Henrico

Locality: Chickahominy River, at Shady Grove Road (CR 624), 13.6 miles NW center of Richmond

Lat/Long: 37.6954° N, 77.5918° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2012 Time: 1100-1120

Accession Number: 12849

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Beaver impounded. Depauperate fish fauna.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0

Field/Locality#: **WCS-2988**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: Hanover-Henrico

Locality: Chickahominy River, at VA 156 (Cold Harbor/Hanover Road), 0.8 miles ENE VA 156/I-295 junction ca. 9.2 miles ENE center Richmond

Lat/Long: 37.55219° N, 77.27128° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2012 Time: 1155-1230

Accession Number: 12849

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Fish fauna extremely limited, appears depleted for some reason.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Remarks: Mostly YOY					

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2989**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: Henrico

Locality: Bailey Creek, at New Market Road (VA 5), 11.3 miles SE center of Richmond

Lat/Long: 37.4208° N, 77.2971° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2012 Time: 1300-1345

Accession Number: 12849

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
73476	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	17	3
73478	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	2	1
73475	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	1	0
73479	Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	6	1
73481	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0
73477	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	11	4
73480	Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	2	0
Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	common	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. nigrum/olmstedii)</i>		few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-2990**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Chickahominy R.

Country: United States State: Virginia County: Henrico-New Kent

Locality: Chickahominy River, at US 60 (Bottoms Bridge), 12.8 miles E center of Richmond

Lat/Long: 37.5146° N, 77.2054° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 October 2012 Time: 1415-1450

Accession Number: 12849

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Bryn H. Tracy Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Fish sparse.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
73455	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
73453	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	1	0
73454	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0
73452	Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Remarks: YOY					
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-3010**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Stafford

Locality: Potomac Creek, lower tidal reach, 6.5-6.9 miles ENE center of Fredericksburg

Start: 38.34777° N, 77.35874° W; End: 38.34866° N, 77.34682° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 03 September 2013 Time: 1400-1530 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, John S. Odenkirk (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74697	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	1
74700	Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	1	2

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		few	0
Catostomidae	<i>Erismyza</i>	<i>oblongus</i>	Eastern Creek Chubsucker	2	0
Remarks: Glimpsed but fairly certain observations.					
Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	common	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Moronidae	<i>Morone</i>	<i>saxatilis</i>	Striped Bass	few	0
Remarks: Small juveniles.					
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		1	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	few	0



# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-3011**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Stafford

Locality: Accokeek Creek, lower tidal reach, 8.3-8.4 miles ENE center of Fredericksburg

Start: 38.37134° N, 77.33578° W; End: 38.36654° N, 77.32788° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 03

September 2013 Time: 1600-1700 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, John S. Odenkirk (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74698	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	2	0
74701	Catostomidae	<i>Catostomus</i>	<i>commersonii</i>	White Sucker	1	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		few	0
Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	common	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	few	0

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Field/Locality#: **WCS-3012**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Fairfax-Prince William

Locality: Kane Creek, (lower tidal reach) and Belmont Bay area of Potomac River, 2.9-2.4 miles ESE center of Woodbridge

Start: 38.649° N, 77.19654° W; End: 38.63827° N, 77.21278° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 04

September 2013 Time: 0930-1130 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, John S. Odenkirk (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74699	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	3	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		few	0
Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	common	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	common	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	few	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-3013**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Prince William

Locality: Powells Creek, lower tidal reach W & E of CSX railroad bridge, 3.6-3.7 miles ENE of Dumfries

Start: 38.58435° N, 77.26485° W; End: 38.58145° N, 77.26247° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 04

September 2013 Time: 1215-1300 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, John S. Odenkirk (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		few	0
Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	common	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	few	0

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Field/Locality#: **WCS-3014**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Maryland-Virginia County: Charles-Prince William

Locality: Potomac River, west shore near powerline crossing, 3.1 miles ESE of Dumfries

Start: 38.55101° N, 77.27222° W; End: 38.54803° N, 77.27548° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 04 September 2013 Time: 1315-1345; 1415-1515 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, John S. Odenkirk (VDGIF) Gear: electrofishing boat & 12' seine Depth of Capture: to 2 m Salinity: F

Locality Remarks: Sampled in areas of SAV beds 214 & 215 in report of Hunter et al. 2009, USGS, Reston, Va.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74706	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	2	0
74705	Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	1	0
74704	Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	13	3
74707	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	14	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	common	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		few	0
Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	common	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-3015**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Chesterfield

Locality: Backwater area on N side of Appomattox River ("The Stump Field"), 9.4-9.8 miles NW of Sutherland

Start: 37.29767° N, 77.67388° W; End: 37.30138° N, 77.67797° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 05

September 2013 Time: 1200-1330 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, L.A. Weaver (VDGIF) Gear: electrofishing boat Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74709	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	3	1
74711	Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	1	0
74712	Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	2	1
74710	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	4	2
74708	Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	1	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	common	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		2	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0

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Field/Locality#: **WCS-3016**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Large flooded pond area on W side of Appomattox River, 9.6 miles NW of Sutherland

Lat/Long: 37.28224° N, 77.69724° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 05 September 2013 Time: 1400-1430 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, LA Weaver (VDGIF) Gear: electrofishing boat Depth of Capture: to 2 m+ Salinity: F

Locality Remarks: Coordinates taken near center of area

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74696	Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	1	1
74695	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	common	0
Ictaluridae	<i>Ameiurus</i>	<i>catus</i>	White Catfish	few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	few	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	few	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	common	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	abundant	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0

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Field/Locality#: **WCS-3017**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Appomattox R.

Country: United States State: Virginia County: Amelia

Locality: Flat Creek, at CR 644, 5.3 miles NW of Amelia Court House (town)

Lat/Long: 37.3806° N, 78.06399° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 06 September 2013 Time: 1100-1215 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Bridle Shiners from sidewater area just below bridge, associated with SAV (Egeria?).

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74677	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
74676	Leuciscidae	<i>Notropis</i>	<i>bifrenatus</i>	Bridle Shiner	10	5
74682	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
74680	Umbridae	<i>Umbra</i>	<i>pygmaea</i>	Eastern Mudminnow	1	1
74679	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	1
74684	Centrarchidae	<i>Acantharchus</i>	<i>pomotis</i>	Mud Sunfish	1	1
74687	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	2	0
74681	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	3	0
74686	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0
74685	Centrarchidae	<i>Lepomis</i>	<i>gulosus</i>	Warmouth	2	1
74683	Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	3	2
74678	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Ictaluridae	<i>Ameiurus</i>	<i>natalis</i>	Yellow Bullhead	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0

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Field/Locality#: **WCS-3018**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Dinwiddie

Locality: Rowanty Creek, at CR 605 (Old Stage Road), 10.1 miles SSW center of Petersburg

Lat/Long: 37.09011° N, 77.46869° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 06 September 2013 Time: 1540-1630 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74689	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	0
74691	Ictaluridae	<i>Noturus</i>	<i>gyrinus</i>	Tadpole Madtom	1	0
74692	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
74690	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
74688	Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	2	0
74693	Percidae	<i>Etheostoma</i>	<i>serrifer</i>	Sawcheek Darter	6	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		common	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	common	0

Field/Locality#: **WCS-3019**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Prince George

Locality: Butterworth Pond, impoundment of Jones Hole Swamp, at CR 605 (Spain Road), 2.1 miles WNW of Templeton, 9.6 miles S center of Petersburg

Lat/Long: 37.08969° N, 77.3913° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 06 September 2013 Time: 1710-1730 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74694	Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	1	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	common	0



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Field/Locality#: **WCS-3020**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Prince George

Locality: Jones Hole Swamp, at CR 638 (Templeton Road), 3.0 miles ENE of Carson

Lat/Long: 37.0513° N, 77.34432° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 06 September 2013 Time: 1800-1835 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	few	0

Field/Locality#: **WCS-3021**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Greenville

Locality: Otterdam Creek, at CR 614 (Otterdam Road), 7.8 miles NNE of center of Emporia

Lat/Long: 36.79502° N, 77.50755° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 September 2013 Time: 1120-1150 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74778	Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	2	2
74775	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	2	0
74773	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	3	3
74779	Centrarchidae	<i>Acantharchus</i>	<i>pomotis</i>	Mud Sunfish	5	2
74777	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	3	1
74776	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	2	0
74774	Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	2	2

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	1	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0

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Field/Locality#: **WCS-3022**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Greenville

Locality: Three Creek, at CR 619 (Purdy Road), 7.9 miles NNW of Emporia

Lat/Long: 36.79425° N, 77.58552° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 September 2013 Time: 1240-1310 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: Notropis altipinnis from open pool, 0.7 m depth

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74780	Leuciscidae	<i>Hudsonius</i>	<i>altipinnis</i>	Highfin Shiner	49	8
74784	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	0
74782	Ictaluridae	<i>Noturus</i>	<i>gyrinus</i>	Tadpole Madtom	6	1
74783	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
74785	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
74781	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	10	2

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. nigrum/olmstedii)</i>		few	0

Field/Locality#: **WCS-3023**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Brunswick

Locality: Sturgeon Creek, at CR 631 (Windmill Road), 12.6 miles NE of Lawrenceville

Lat/Long: 36.89679° N, 77.69879° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 September 2013 Time: 1500-1520 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74786	Leuciscidae	<i>Hudsonius</i>	<i>altipinnis</i>	Highfin Shiner	2	0
74787	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	2	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Cyprinidae	<i>Notropis</i>	<i>chalybaeus</i>		few	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. nigrum/olmstedii)</i>		few	0

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Field/Locality#: **WCS-3024**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Sussex

Locality: Stony Creek, lower 150 meters above confluence with Nottoway River, 1.1 miles E center of Stony Creek (town)

Lat/Long: 36.94736° N, 77.38075° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 18 September 2013 Time: 1630-1730 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74791	Leuciscidae	<i>Luxilus</i>	<i>albeolus</i>	White Shiner	6	2
74792	Leuciscidae	<i>Lythrurus</i>	<i>ardens</i>	Rosefin Shiner	22	9
74790	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	7	5
74798	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	1	0
74794	Centrarchidae	<i>Ambloplites</i>	<i>cavifrons</i>	Roanoke Bass	1	0
74796	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0
74799	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	2	0
74795	Percidae	<i>Etheostoma</i>	<i>vitreum</i>	Glassy Darter	2	0
74793	Percidae	<i>Percina</i>	<i>nevisensis</i>	Chainback Darter	3	2
74797	Percidae	<i>Percina</i>	<i>roanoka</i>	Roanoke Darter	2	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Percidae	<i>Percina</i>	<i>rex</i>	Roanoke Logperch	1	0

Field/Locality#: **WCS-3025**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Sussex

Locality: Joseph Swamp, below Nebletts Millpond at CR 626 (Neblett Mill Road), 7.2 miles WNW of Waverly

Lat/Long: 37.0014° N, 77.2178° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 September 2013 Time: 1140-1200 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	2	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0

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Field/Locality#: **WCS-3026**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R.

Country: United States State: Virginia County: James City-Surry

Locality: James River estuary (Cobham Bay), at Chippokes Plantation State Park, 5.3 miles ENE of Surry

Lat/Long: 37.14706° N, 76.74054° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 September 2013 Time: 1500-1540 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Fish fauna typical of area that maintains some sustained salinity.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74789	Clupeidae	<i>Brevoortia</i>	<i>tyrannus</i>	Atlantic Menhaden	3	3
74788	Moronidae	<i>Morone</i>	<i>saxatilis</i>	Striped Bass	4	4

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Engraulidae	<i>Anchoa</i>	<i>mitchilli</i>	Bay Anchovy	few	0
Clupeidae	<i>Brevoortia</i>	<i>tyrannus</i>	Atlantic Menhaden	few	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	common	0
Moronidae	<i>Morone</i>	<i>saxatilis</i>	Striped Bass	common	0
Remarks: YOY					
Achiridae	<i>Trinectes</i>	<i>maculatus</i>	Hogchoker	2	0

Field/Locality#: **WCS-3027**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Southampton

Locality: Nottoway River, at end of CR 742 (Old Bridge Road), 6.7 miles W center of Franklin

Lat/Long: 36.67455° N, 77.04283° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 19 September 2013 Time: 1845-1915 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Fishes very sparse.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. nigrum/olmstedii)</i>		1	0

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Field/Locality#: **WCS-3028**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Southampton

Locality: Hornet Swamp, 100 m reach above (W of) CR 735 (Three Creek Road), 11.4 miles WNW of Courtland

Lat/Long: 36.76275° N, 77.26608° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 20 September 2013 Time: 0940-1040 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74800	Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	0	1
74807	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
74808	Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	2	0
74803	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	2	0
74805	Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	2	0
74801	Fundulidae	<i>Fundulus</i>	<i>lineolatus</i>	Lined Topminnow	3	1
74802	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	5	0
74804	Centrarchidae	<i>Acantharchus</i>	<i>pomotis</i>	Mud Sunfish	1	0
74806	Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	4	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	0
Remarks: Large specimen, fin-clipped for DNA tissue & released.					
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	few	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	common	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0

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Field/Locality#: **WCS-3029**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Nottoway R.

Country: United States State: Virginia County: Southampton

Locality: Poplar Swamp (Rivers Pond), above CR 612, at Rivers Mill, 13.7 miles WNW of Courtland

Lat/Long: 36.75094° N, 77.31223° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 20 September 2013 Time: 1110-1130 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Collected in small, shallow impoundment.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Centrarchus</i>	<i>macropterus</i>	Flier	common	0
Centrarchidae	<i>Chaenobryttus</i>	<i>gulosus</i>		1	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	2	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0
Percidae	<i>Etheostoma</i>	<i>fusiforme</i>	Swamp Darter	1	0

Field/Locality#: **WCS-3030**

Cont./Ocean: North America

Drainage: Albemarle Sound Basin/Chowan R./Meherrin R.

Country: United States State: Virginia County: Greenville

Locality: Ponded area on intermittent tributary to Meherrin River, W of farm drive leading N off CR 730, 1.0 mile W of Meherrin River crossing, 12.0 miles SE of Emporia

Lat/Long: 36.57449° N, 77.37793° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 20 September 2013 Time: 1245-1305 Accession Number: 12926

Collector(s): Wayne C. Starnes Gear: dipnet Depth of Capture: to 0.5 m Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0

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Field/Locality#: **WCS-3031**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R./Rapidan R.

Country: United States State: Virginia County: Orange

Locality: Flat Run, at CR 601 (Flat Run Road), above Lake of the Woods impoundment, 17.6 miles WNW of Fredericksburg

Lat/Long: 38.32547° N, 77.78324° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 24 September 2013 Time: 1615-1640 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 0.5 m Salinity: F

Locality Remarks: Stream appears much impacted by enrichment from development, agriculture, etc.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74813	Leuciscidae	<i>Cyprinella</i>	<i>spiloptera</i>	Spotfin Shiner	4	2
74812	Centrarchidae	<i>Lepomis</i>	<i>cyanellus</i>	Green Sunfish	1	0
74809	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	1	0
74811	Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	2	2
74810	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	2	2

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Cyprinella</i>	<i>spiloptera</i>	Spotfin Shiner	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0

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Field/Locality#: **WCS-3032**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R./Rapidan R.

Country: United States State: Virginia County: Orange

Locality: Russell Run, at CR 603 (Indiantown Road), 19.0 miles WNW of Fredericksburg

Lat/Long: 38.36965° N, 77.79937° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 24 September 2013 Time: 1710-1730 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 0.5 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74814	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	8	2
74817	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	3	1
74819	Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	5	0
74821	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
74820	Leuciscidae	<i>Rhinichthys</i>	<i>atratus</i>	Blacknose Dace	1	0
74815	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	4	1
74822	Cottidae	<i>Cottus</i>	<i>sp. (bairdii complex)</i>		2	1
74818	Percidae	<i>Etheostoma</i>	<i>flabellare</i>	Fantail Darter	5	3
74816	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	4	2

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	common	0
Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0



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Field/Locality#: **WCS-3033**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R.

Country: United States State: Virginia County: Richmond

Locality: Cat Point Creek, lower tidal reach, ca. 6.6-6.5 miles NNE of Tappahannock

Start: 38.01474° N, 76.81757° W; End: 38.0116° N, 76.81399° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 25 September 2013 Time: 1015-1215 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, S.W. Herrmann, Matt Blommel (VDGIF) Gear: electrofishing boat

Depth of Capture: to 1 m+ Salinity: 1.0 ppt

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74855	Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	2	1
74848	Clupeidae	<i>Alosa</i>	<i>aestivalis</i>	Blueback Herring	1	0
74849	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	3	1
74851	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	8	2
74846	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	3	1
74854	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	6	1
74850	Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	2	0
74852	Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	1	1
74847	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	9	3
74845	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	8	4
74853	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	Spot	1	1
74759	Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	0	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	common	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	2	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	abundant	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		common	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	few	0
Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	1	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	2	0

Remarks: YOY

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Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		common	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	abundant	0
Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	Spot	1	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	1	0

Remarks: Specimen retained by S. Herrmann, VDGIF; fin clip to NCSM

Field/Locality#: **WCS-3034**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R.

Country: United States State: Virginia County: Essex-Richmond

Locality: Rappahannock River, at S tip of Paynes Island, 7.7 miles NNW of Tappahannock

Lat/Long: 38.02482° N, 76.92439° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 25 September 2013 Time: 1330

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, SW Herrman, M Blommel (VDGIF) Gear: angling Depth of Capture: 1-2 m Salinity: 3.2 ppt

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74752	Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	1	1

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Field/Locality#: **WCS-3035**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R.

Country: United States State: Virginia County: Essex

Locality: Occupacia Creek, lower tidal reach, 11.4-11.1 miles NNW of Tappahannock

Start: 38.06942° N, 76.95952° W; End: 38.05338° N, 76.98363° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 25

September 2013 Time: 1410-1530 Accession Number: 12916

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, S.W. Herrmann, Matt Blommel (VDGIF) Gear: electrofishing boat

Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74836	Clupeidae	<i>Alosa</i>	<i>pseudoharengus</i>	Alewife	1	0
74837	Clupeidae	<i>Alosa</i>	<i>sapidissima</i>	American Shad	1	0
74838	Clupeidae	<i>Brevoortia</i>	<i>tyrannus</i>	Atlantic Menhaden	2	0
74839	Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	1	0
74835	Achiridae	<i>Trinectes</i>	<i>maculatus</i>	Hogchoker	2	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	common	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	common	0
Clupeidae	<i>Alosa</i>	<i>pseudoharengus</i>	Alewife	few	0
Clupeidae	<i>Alosa</i>	<i>sapidissima</i>	American Shad	few	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	common	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	common	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		abundant	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	common	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	common	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	1	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	abundant	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	abundant	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	few	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0
Achiridae	<i>Trinectes</i>	<i>maculatus</i>	Hogchoker	common	0

Field/Locality#: **WCS-3036**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Great Wicomico R.

Country: United States State: Virginia County: Northumberland

Locality: Great Wicomico River, lower Crabbe Mill Stream area, 5.2-5.5 miles W of Burgess

Start: 37.88121° N, 76.4424° W; End: 37.88747° N, 76.44814° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 25 September 2013 Time: 1700-1730 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, S.W. Herrmann, Matt Blommel (VDGIF) Gear: electrofishing boat

Depth of Capture: to 2 m Salinity: F

Locality Remarks: Species list not taken at this locale but composition similar to that of lower Potomac tidal creek tributaries.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74841	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	7	0
74840	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Sciaenidae	<i>Sciaenops</i>	<i>ocellatus</i>	Red Drum	1	0

Remarks: Juvenile not retained.

Field/Locality#: **WCS-3037**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Great Wicomico R.

Country: United States State: Virginia County: Northumberland

Locality: Bush Mill Creek, arm of Great Wicomico River, 5.3-5.7 miles W of Burgess

Start: 37.87638° N, 76.44515° W; End: 37.87641° N, 76.45144° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 25 September 2013 Time: 1730-1800 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, S.W. Herrmann, Matt Blommel (VDGIF) Gear: electrofishing boat

Depth of Capture: to 2 m+ Salinity: F

Locality Remarks: Species list not taken at this locale but composition typical of lower Potomac tidal creek tributaries.

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-3038**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Piankatank R.

Country: United States State: Virginia County: Gloucester-Middlesex

Locality: Dragon Run, lower reach, 1.7-1.5 miles ESE of US 17 crossing, ca. 2.1-2.0 miles ENE of Glenss

Start: 37.57544° N, 76.57642° W; End: 37.57633° N, 76.5783° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 26

September 2013 Time: 1010-1315 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, S.W. Herrman, S.C. Mohr (VDGIF) Gear: electrofishing boat Depth of

Capture: to 2 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74755	Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	1	1
74868	Leuciscidae	<i>Alburnops</i>	<i>chalybaeus</i>	Ironcolor Shiner	55	7
74872	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
74873	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	3	0
74874	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	3	0
74757	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	3	1
74871	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
74876	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0
74877	Centrarchidae	<i>Lepomis</i>	<i>gulosus</i>	Warmouth	1	0
74870	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	2	0
74756	Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	1	1
74869	Achiridae	<i>Trinectes</i>	<i>maculatus</i>	Hogchoker	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	common	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Clupeidae	<i>Brevoortia</i>	<i>tyrannus</i>	Atlantic Menhaden	few	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	common	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	few	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	2	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	abundant	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		few	0

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Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0
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Field/Locality#: **WCS-3039**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R.

Country: United States State: Virginia County: King and Queen-King William

Locality: Mattaponi River, intermittent sections of ca. 8.5 mile reach from 0.8 river mile below US 360 crossing (Aylett) to Walkerton

Start: 37.72384° N, 77.02238° W; End: 37.7816° N, 77.09383° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 26 September 2013 Time: 1545-1720 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, S.W. Herrman, S.C. Mohr (VDGIF) Gear: electrofishing boat Depth of

Capture: to 2 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74867	Clupeidae	<i>Alosa</i>	<i>sapidissima</i>	American Shad	1	0
74866	Leuciscidae	<i>Hudsonius</i>	<i>hudsonius</i>	Spottail Shiner	10	0
74865	Leuciscidae	<i>Hybognathus</i>	<i>regius</i>	Eastern Silvery Minnow	1	0
74864	Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	1	0
74863	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Lepisosteidae	<i>Lepisosteus</i>	<i>osseus</i>	Longnose Gar	few	0
Amiidae	<i>Amia</i>	<i>calva</i>	Bowfin	common	0
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	common	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		common	0
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	few	0
Catostomidae	<i>Moxostoma</i>	<i>macrolepidotum</i>	Shorthead Redhorse	1	0
Remarks: One probable specimen seen but not netted for positive ID.					
Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	Blue Catfish	few	0
Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	Channel Catfish	1	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	few	0
Atherinopsidae	<i>Menidia</i>	<i>beryllina</i>	Inland Silverside	common	0
Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	common	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	common	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	Redear Sunfish	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	common	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		few	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	common	0

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-3040**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Westmoreland

Locality: Mattox Creek, 0.2 mile of lower tidal reach, ca. 5.2-5.0 miles SW of Colonial Beach

Start: 38.20074° N, 77.02992° W; End: 38.20229° N, 77.02737° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 27

September 2013 Time: 1300-1400 Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens, S.W. Herrman, S.C. Mohr (VDGIF) Gear: electrofishing boat Depth of

Capture: to 2 m Salinity: 1.4 ppt

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74843	Clupeidae	<i>Alosa</i>	<i>pseudoharengus</i>	Alewife	2	0
74754	Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	1	0
74753	Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	1	1
74844	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	Spot	1	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	few	0
Clupeidae	<i>Alosa</i>	<i>sp.</i>		few	0
Remarks: YOY -- Not identified.					
Clupeidae	<i>Brevoortia</i>	<i>tyrannus</i>	Atlantic Menhaden	few	0
Clupeidae	<i>Dorosoma</i>	<i>cepedianum</i>	Gizzard Shad	abundant	0
Cyprinidae	<i>Carassius</i>	<i>auratus</i>	Goldfish	1	0
Cyprinidae	<i>Cyprinus</i>	<i>carpio</i>	Common Carp	abundant	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Cyprinidae	<i>Notropis</i>	<i>hudsonius</i>		few	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	common	0
Esocidae	<i>Esox</i>	<i>niger</i>	Chain Pickerel	3-4	0
Moronidae	<i>Morone</i>	<i>americana</i>	White Perch	abundant	0
Percidae	<i>Perca</i>	<i>flavescens</i>	Yellow Perch	few	0
Channidae	<i>Channa</i>	<i>argus</i>	Northern Snakehead	5	0
Remarks: 3 caught, floy tagged, & released					

# Species collected/observed during the Bridle Shiner survey, 2010-2013

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Field/Locality#: **WCS-3042**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R.

Country: United States State: Virginia County: King and Queen

Locality: Garnetts Creek, at CR 633 (Mantua Road), 3.8 miles ESE of Walkerton

Lat/Long: 37.7044° N, 76.9587° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 09 October 2013 Time: 1530-1550

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 2 m Salinity: F

Locality Remarks: Fishes sparse.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0

Field/Locality#: **WCS-3043**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R.

Country: United States State: Virginia County: King and Queen

Locality: Dickey's Swamp, at CR 621, 6.2 miles NNE of Walkerton

Lat/Long: 37.80687° N, 76.97527° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 09 October 2013 Time: 1700-1730

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Fishes sparse.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	0
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0

Field/Locality#: **WCS-3044**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Poni R.

Country: United States State: Virginia County: Caroline

Locality: Poni River, at CR 606 (Stonewall Jackson Road), 8.1 miles NW of Bowling Green

Lat/Long: 38.1374° N, 77.4457° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 10 October 2013 Time: 1120-1200

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: River heavily silted in slow areas; flow high from recent rains.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Esocidae	<i>Esox</i>	<i>americanus</i>	Redfin Pickerel	2	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		1	0



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Field/Locality#: **WCS-3045**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R.

Country: United States State: Virginia County: King and Queen

Locality: Chapel Creek, at CR 721 (Newton Road), 4.1 miles NNE of Aylett

Lat/Long: 37.84355° N, 77.08969° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 10 October 2013 Time: 1515-1555

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74859	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	4	0
74858	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	39	7
74861	Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	1	0
74860	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	3	0
74862	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0
74856	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	3	2
74857	Percidae	<i>Etheostoma</i>	<i>vitreum</i>	Glassy Darter	7	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

Field/Locality#: **WCS-3046**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R.

Country: United States State: Virginia County: James City-New Kent

Locality: Ware Creek, below (E of) CR 600 (Holly Fork Road), 12.0 miles NNW center of Williamsburg

Lat/Long: 37.4382° N, 76.78645° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 11 October 2013 Time: 1200-1240

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74842	Achiridae	<i>Trinectes</i>	<i>maculatus</i>	Hogchoker	4	2

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
Catostomidae	<i>Erismyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	3	0
Ictaluridae	<i>Ameiurus</i>	<i>nebulosus</i>	Brown Bullhead	1	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	common	0
Centrarchidae	<i>Pomoxis</i>	<i>nigromaculatus</i>	Black Crappie	1	0

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Field/Locality#: **WCS-3047**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/James R./Pagan R.

Country: United States State: Virginia County: Isle of Wight

Locality: Champion Swamp, at CR 692 (Uzzell Church Road), 4.1 miles SSW of Smithfield

Lat/Long: 36.92972° N, 76.66371° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 11 October 2013 Time: 1555-1630

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: None

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	2	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

Field/Locality#: **WCS-3048**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Great Wicomico R.

Country: United States State: Virginia County: Northumberland

Locality: Bush Mill Stream, at CR 601 (Bush Mill Road), 3.1 miles SSW of Heathsville

Lat/Long: 37.8771° N, 76.49487° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 14 October 2013 Time: 1425-1455

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1.5 m+ Salinity: F

Locality Remarks: None

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74832	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	0
74834	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	3	1
74833	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	11	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		common	0

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Field/Locality#: **WCS-3049**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Potomac R.

Country: United States State: Virginia County: Westmoreland

Locality: Beales Mill Run, below CR 612 (Nomini Hall Road), below Beales Mill Pond, 2.3 miles WSW of Hague

Lat/Long: 38.06025° N, 76.69058° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 14 October 2013 Time: 1545-1615

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Collected under elevated flow conditions.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74829	Fundulidae	<i>Fundulus</i>	<i>diaphanus</i>	Banded Killifish	1	0
74831	Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	10	3
74830	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
Remarks: 4 in juvenile					
Aphredoderidae	<i>Aphredoderus</i>	<i>sayanus</i>	Yellowbelly Pirate Perch	1	0
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	common	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0

Field/Locality#: **WCS-3050**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R.

Country: United States State: Virginia County: Essex

Locality: Hoskins Creek, at CR 717 (Crittendens Mill Road), 5.2 miles W center of Tappahannock

Lat/Long: 37.92716° N, 76.95438° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 14 October 2013 Time: 1725-1745

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m Salinity: F

Locality Remarks: Collected under elevated flow conditions.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74828	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	5	2

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
Remarks: 20 in+ TL					
Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	few	0

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Field/Locality#: **WCS-3051**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/Rappahannock R.

Country: United States State: Virginia County: Essex

Locality: Mount Landing Creek, at CR 716 (Warings Mill Road), 4.9 miles WNW center of Tappahannock

Lat/Long: 37.96244° N, 76.93627° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 14 October 2013 Time: 1810-1830

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Flow elevated.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74825	Ictaluridae	<i>Noturus</i>	<i>gyrinus</i>	Tadpole Madtom	1	0
74827	Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	3	0
74826	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Poeciliidae	<i>Gambusia</i>	<i>holbrooki</i>	Eastern Mosquitofish	abundant	0
Centrarchidae	<i>Enneacanthus</i>	<i>gloriosus</i>	Bluespotted Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0

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Field/Locality#: **WCS-3052**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Poni R./Ni R.

Country: United States State: Virginia County: Spotsylvania

Locality: Ni River, at CR 608, 2.9 miles ESE of Spotsylvania

Lat/Long: 38.19183° N, 77.53605° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 15 October 2013 Time: 1030-1120

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Flow elevated.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74894	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	14	2
74897	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	57	3
74891	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	2	1
74893	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	7	2
74892	Leuciscidae	<i>Rhinichthys</i>	<i>atratus</i>	Blacknose Dace	3	1
74898	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	15	1
74895	Catostomidae	<i>Erimyzon</i>	<i>oblongus</i>	Eastern Creek Chubsucker	2	1
74896	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	9	3

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Anguillidae	<i>Anguilla</i>	<i>rostrata</i>	American Eel	1	0
Leuciscidae	<i>Clinostomus</i>	<i>funduloides</i>	Rosyside Dace	few	0
Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	few	0
Cyprinidae	<i>Notropis</i>	<i>procne</i>		abundant	0
Leuciscidae	<i>Rhinichthys</i>	<i>atratus</i>	Blacknose Dace	few	0
Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	2	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		few	0

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Field/Locality#: **WCS-3053**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Poni R./Po R.

Country: United States State: Virginia County: Spotsylvania

Locality: Po River, at VA 208, 2.1 miles S of Spotsylvania

Lat/Long: 38.17124° N, 77.59478° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 15 October 2013 Time: 1200-1220

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Flow elevated. Fish extremely scarce. Only one darter collected.

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		1	0

Field/Locality#: **WCS-3054**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Matta R./Ta R.

Country: United States State: Virginia County: Spotsylvania

Locality: Ta River, at CR 738, 4.8 miles SSW of Spotsylvania

Lat/Long: 38.13396° N, 77.61173° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 15 October 2013 Time: 1300-1330

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Flow elevated.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74824	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
74823	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	3	0

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	1	0
Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	Bluegill	1	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	few	0

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Field/Locality#: **WCS-3055**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R./Matta R.

Country: United States State: Virginia County: Spotsylvania

Locality: Matta River, at CR 617 (Hams Ford Road), 2.2 miles SW of Thornburg

Lat/Long: 38.11064° N, 77.54879° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 15 October 2013 Time: 1420-1500

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1 m+ Salinity: F

Locality Remarks: Flow elevated.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74885	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	7	1
74890	Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	3	0
74886	Leuciscidae	<i>Miniellus</i>	<i>procne</i>	Swallowtail Shiner	7	0
74875	Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	3	2
74889	Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	8	0
74887	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	1	0
74884	Percidae	<i>Percina</i>	<i>notogramma</i>	Stripeback Darter	2	1
74888	Percidae	<i>Percina</i>	<i>peltata</i>	Shield Darter	1	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	common	0
Leuciscidae	<i>Nocomis</i>	<i>leptocephalus</i>	Bluehead Chub	few	0
Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	few	0
Cyprinidae	<i>Notropis</i>	<i>procne</i>		few	0
Leuciscidae	<i>Semotilus</i>	<i>corporalis</i>	Fallfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>auritus</i>	Redbreast Sunfish	few	0
Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	Pumpkinseed	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		2	0
Percidae	<i>Percina</i>	<i>peltata</i>	Shield Darter	few	0

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Field/Locality#: **WCS-3056**

Cont./Ocean: North America

Drainage: Chesapeake Bay Basin/York R./Mattaponi R.

Country: United States State: Virginia County: Caroline

Locality: Mattaponi River, at CR 605 (Paige Road), 2.2 miles WNW of Bowling Green

Lat/Long: 38.06065° N, 77.38452° W Geodetic Datum: WGS84 Vessel/Cruise #/Sta. #: n/a Date Coll.: 15 October 2013 Time: 1720-1820

Accession Number: 12926

Collector(s): Wayne C. Starnes, Gabriela M. Hogue, Maridith G. Gatens Gear: 12' seine Depth of Capture: to 1.5 m Salinity: F

Locality Remarks: Flow elevated.

## Specimens Catalogued

NCSM Cat#	Family	Genus	Species	Common name	Total number of whole, skel/mount, cleared and stained specimens	Tissue samples in 95% ethanol
74881	Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	9	2
74882	Leuciscidae	<i>Notemigonus</i>	<i>crysoleucas</i>	Golden Shiner	1	0
74883	Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	15	0
74879	Percidae	<i>Etheostoma</i>	<i>olmstedii</i>	Tessellated Darter	3	2
74878	Percidae	<i>Etheostoma</i>	<i>vitreum</i>	Glassy Darter	3	1
74880	Percidae	<i>Percina</i>	<i>peltata</i>	Shield Darter	2	1

## Specimens Released and/or Not Catalogued

Family	Genus	Species	Common name	Number observed/released in the Field	Number discarded in the lab
Leuciscidae	<i>Cyprinella</i>	<i>analostana</i>	Satinfin Shiner	few	0
Leuciscidae	<i>Luxilus</i>	<i>cornutus</i>	Common Shiner	few	0
Leuciscidae	<i>Notropis</i>	<i>amoenus</i>	Comely Shiner	few	0
Centrarchidae	<i>Micropterus</i>	<i>salmoides</i>	Largemouth Bass	1	0
Remarks: YOY					
Percidae	<i>Etheostoma</i>	<i>sp. (cf. olmstedii)</i>		few	0
Percidae	<i>Etheostoma</i>	<i>vitreum</i>	Glassy Darter	few	0