

**Plates 1-58. Rio Grande Silvery Minnow during Fish Health Assessments for the Rio Grande Silvery Minnow Health Study. All photography by Anne P. Davis/ USFWS.**

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July 2006:



**Plate 1.** Fish 07/06/2-91. Hemorrhagic eye.



**Plate 2.** Fish 07/06/1-74. Swollen lip with lesion.



**Plate 3.** Fish 07/06/1-79. Shortened opercula.



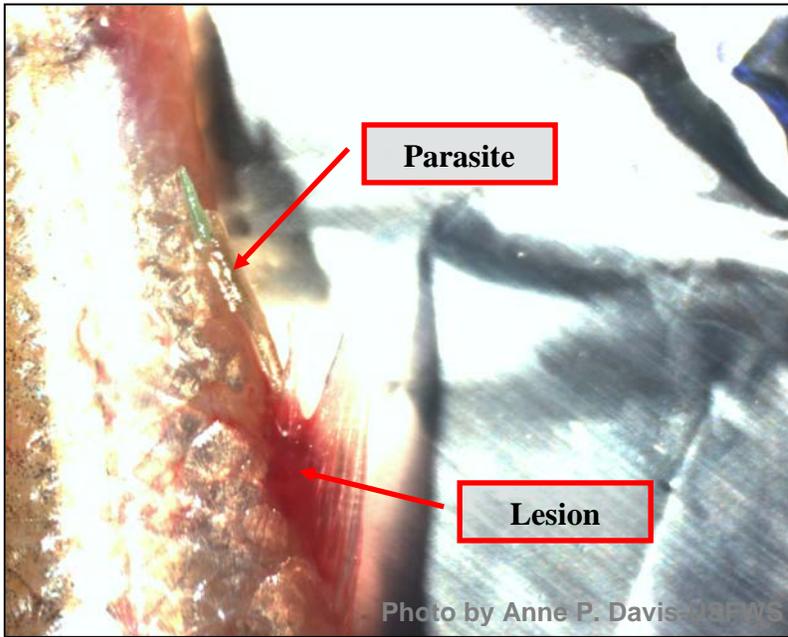
**Plate 4.** Fish 07/06/5-88. Shortened opercula.



**Plate 5.** Fish 07/06/4-70. Frayed and deformed gills; reduced size.



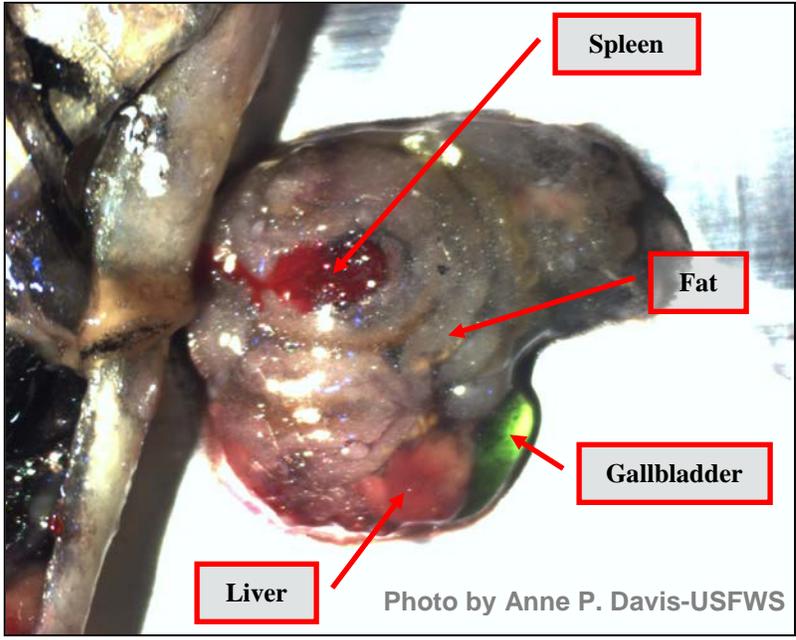
**Plate 6.** Fish 07/06/2-76. Spots on gills.



**Plate 7.** Fish 07/06/4-88. Parasite on dorsal fin; lesion at base of dorsal fin.



**Plate 8.** Fish 07/06/3-80. Dorsal fin lesion; VIE tag.



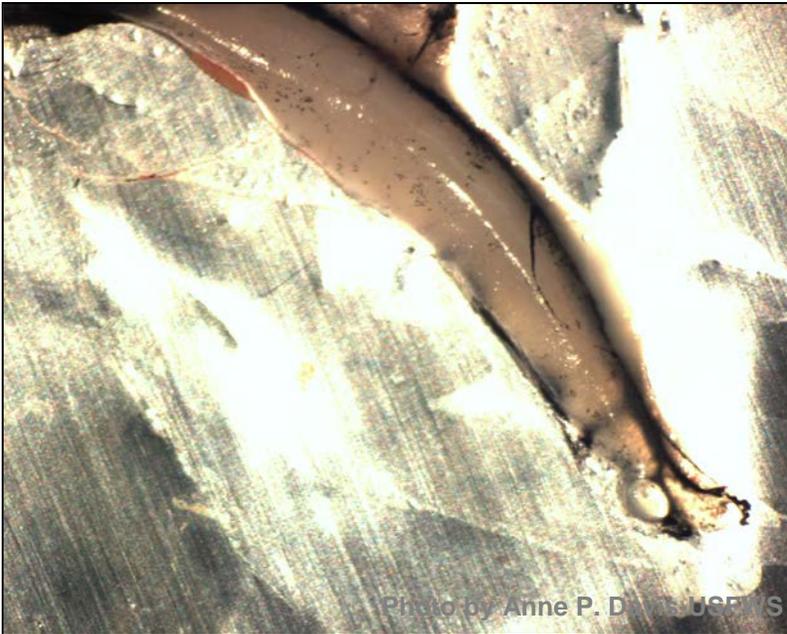
**Plate 9.** Fish 07/06/5-71. Viscera.



**Plate 10.** Fish 07/06/5-88. Viscera.



**Plate 11.** Fish 07/06/5-73. Female gonads.



**Plate 12.** Fish 07/06/3-77. Male gonads.

October 2006:



**Plate 13.** Fish 10/06/1-87. Severely eroded caudal fin.



**Plate 14.** Fish 10/06/3-87. Severely eroded caudal fin.



**Plate 15.** Fish 10/06/4-73. Shortened opercula.



**Plate 16.** Fish 10/06/4-75. Shortened opercula.



Photo by Anne P. Davis-USFWS

**Plate 17.** Fish 10/06/4-84. Dorsal fin lesion.

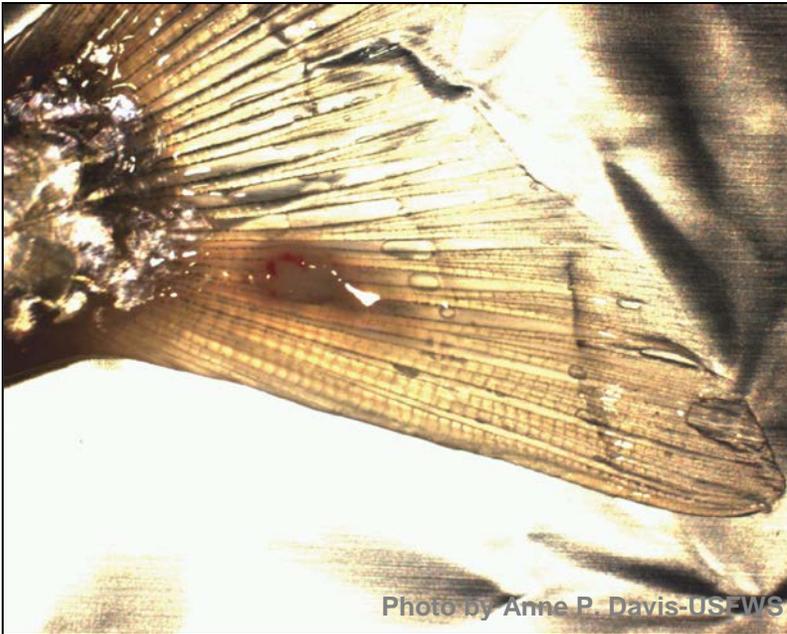


Photo by Anne P. Davis-USFWS

**Plate 18.** Fish 10/06/5-88. Caudal fin lesion.

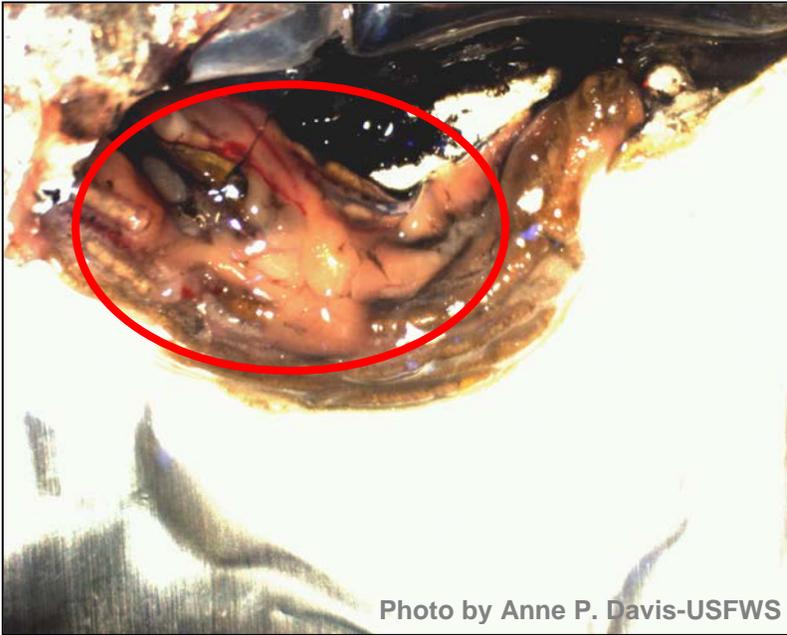


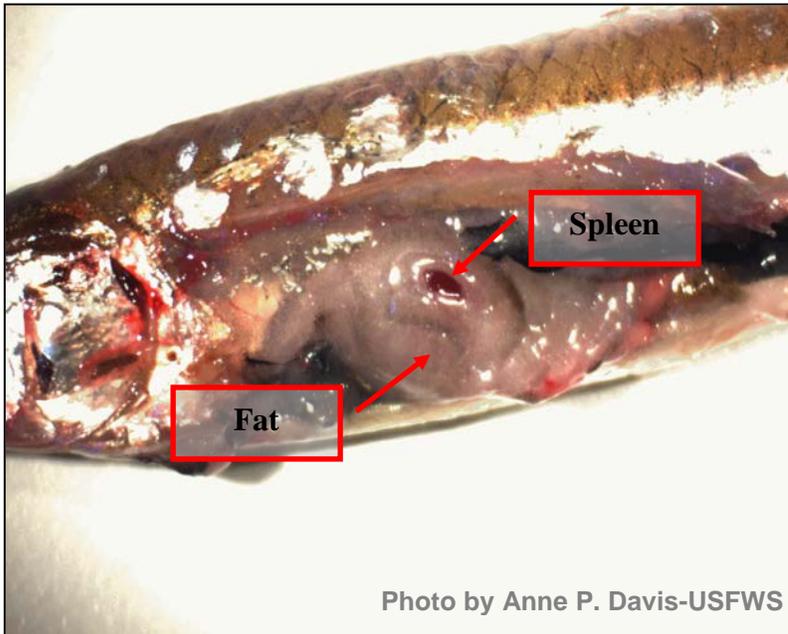
Photo by Anne P. Davis-USFWS

**Plate 19.** Fish 10/06/2-75. Tan (fatty) liver.



Photo by Anne P. Davis-USFWS

**Plate 20.** Fish 10/06/4-84. Discolored liver.



**Plate 21.** Fish 10/06/3-81. Mesenteric fat content; organs completely encased in fat.



**Plate 22.** Fish 10/06/1-72. Full gut; no fat content.



Photo by Anne P. Davis-USFWS

**Plate 23.** Fish 10/06/5-70. Nodular spleen.

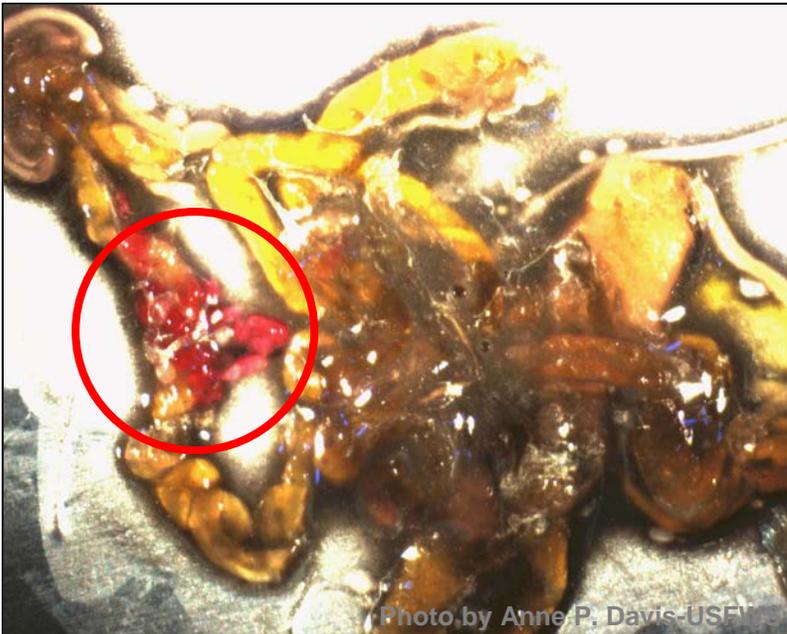


Photo by Anne P. Davis-USFWS

**Plate 24.** Fish 10/06/4-74. Nodular spleen.

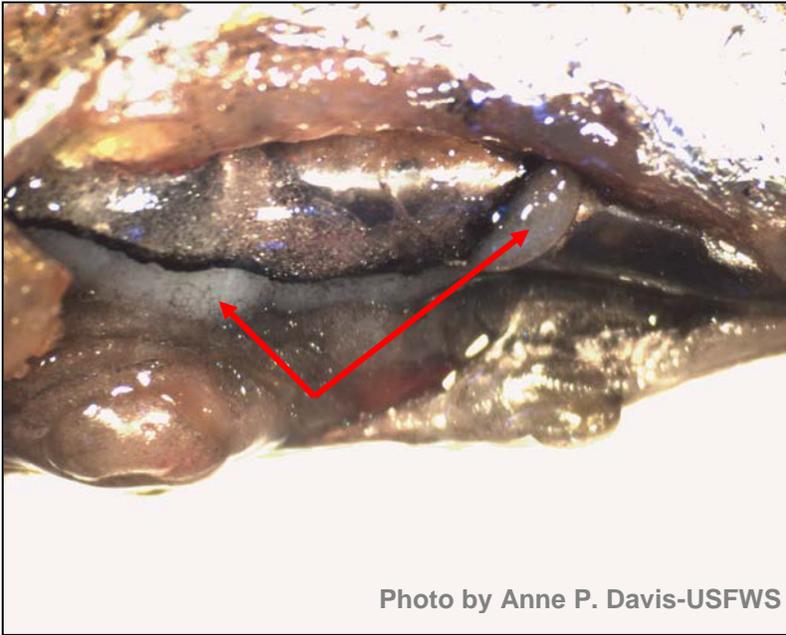


Photo by Anne P. Davis-USFWS

**Plate 25.** Fish 10/06/1-76. Male gonad tissue.

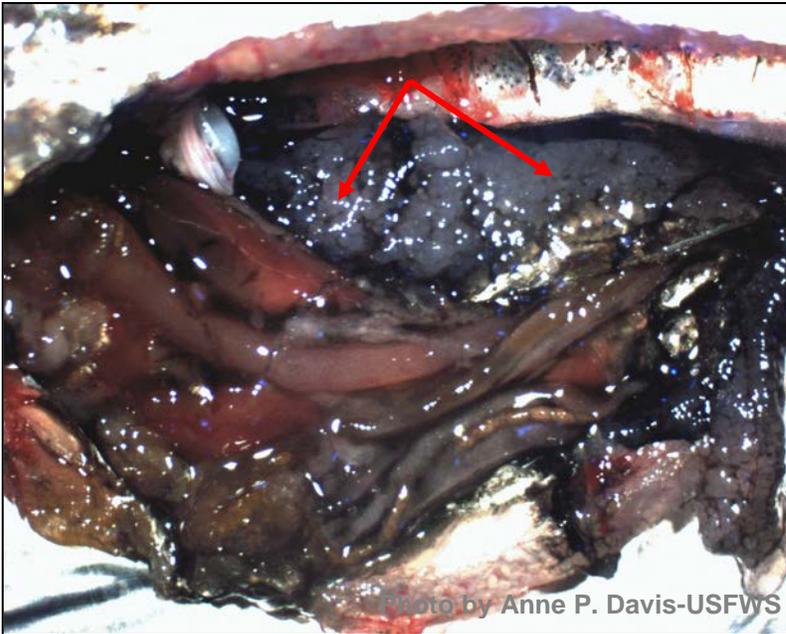


Photo by Anne P. Davis-USFWS

**Plate 26.** Fish 10/06/3-70. Female gonad tissue.



Photo by Anne P. Davis-USFWS

**Plate 27.** Fish 10/06/4-74. Swollen kidney.



Photo by Anne P. Davis-USFWS

**Plate 28.** Fish 10/06/5-76. Swollen kidney.

January 2007:



**Plate 29.** Fish 1/07/5-92. Severely eroded caudal fin with secondary infection.



**Plate 30.** Fish 1/07/3-84. Severely eroded caudal fin with secondary infection.



Photo by Anne P. Davis-USFWS

**Plate 31.** Fish 1/07/3-97. Tumor.

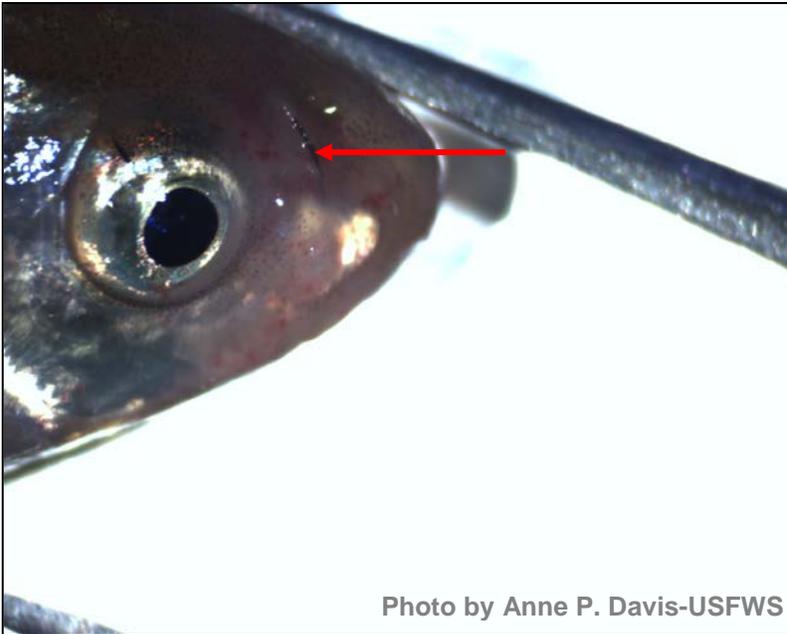


Photo by Anne P. Davis-USFWS

**Plate 32.** Fish 1/07/6-84. Parasite.



**Plate 33.** Fish 1/07/6-83. Pectoral fin lesion.



**Plate 34.** Fish 1/07/6-96. Anal fin lesion.



**Plate 35.** Fish 1/07/3-70. Shortened opercula.



**Plate 36.** Fish 1/07/5-73. Clubbed gills.



Photo by Anne P. Davis-USFWS

**Plate 37.** Fish 1/07/5-95. Cysts (parasites) throughout mesentery.

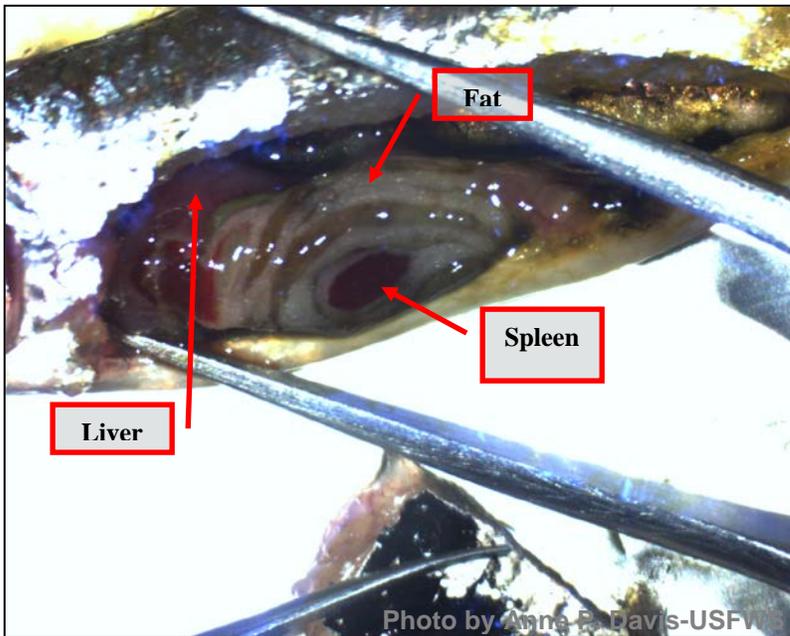


Photo by Anne P. Davis-USFWS

**Plate 38.** Fish 1/07/6-73. Viscera.



Photo by Anne P. Davis-USFWS

**Plate 39.** Fish 1/07/5-72. Eggs.

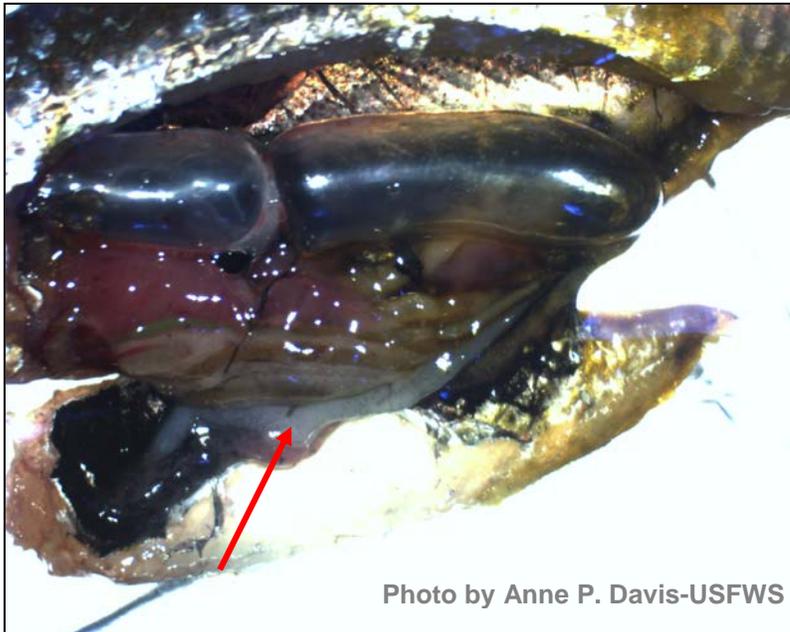


Photo by Anne P. Davis-USFWS

**Plate 40.** Fish 1/07/6-76. Male gonads.

April 2007:



**Plate 41.** Fish 4/07/4-83. Severely eroded caudal fin.



**Plate 42.** Fish 4/07/2-92. Hemorrhagic eye.



Photo by Anne P. Davis-USFWS

**Plate 43.** Fish 4/07/4-80. Lesion on upper lip.

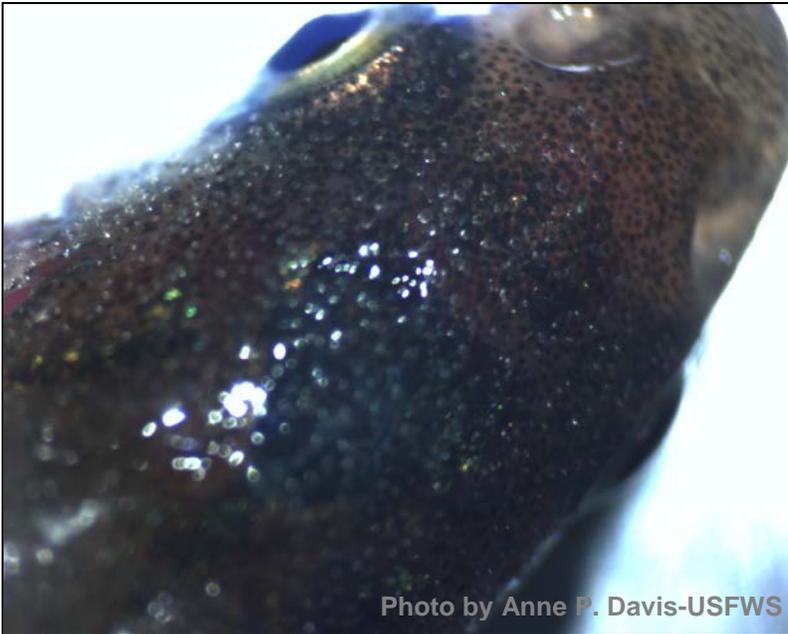
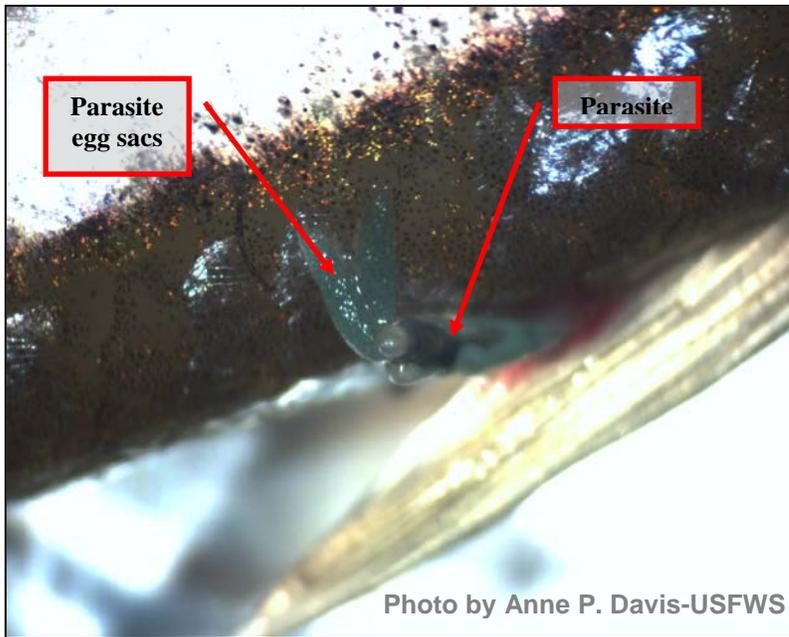
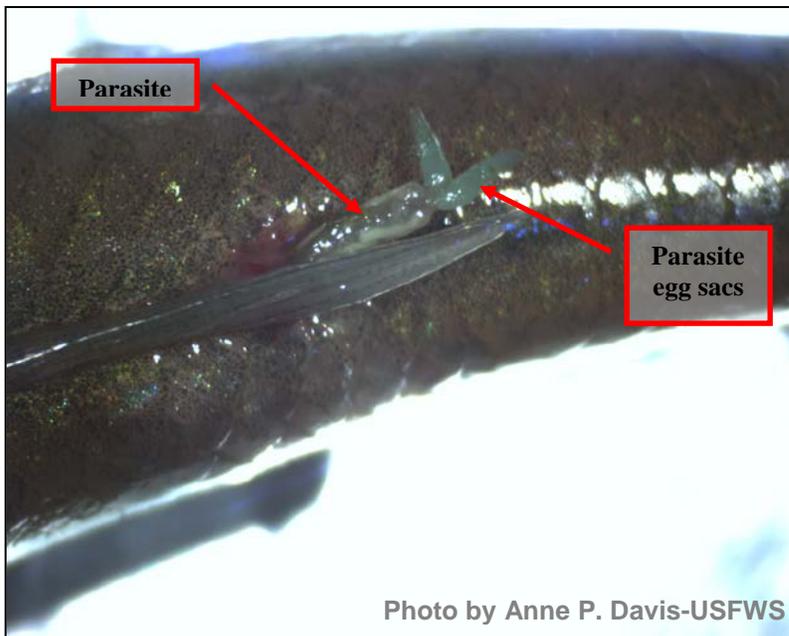


Photo by Anne P. Davis-USFWS

**Plate 44.** Fish 4/07/3-78. Tubercles.



**Plate 45.** Fish 4/07/4-75. Parasite (with lesion at base of dorsal fin).



**Plate 46.** Fish 4/07/4-81. Parasite (with lesion at base of dorsal fin).



Photo by Anne P. Davis-USFWS

**Plate 47.** Fish 4/07/1-77. Shortened opercula.



Photo by Anne P. Davis-USFWS

**Plate 48.** Fish 4/07/5-75. Shortened opercula.



**Plate 49.** Fish 4/07/5-76. Shortened opercula.



**Plate 50.** Fish 4/07/5-84. Shortened opercula with lesion.

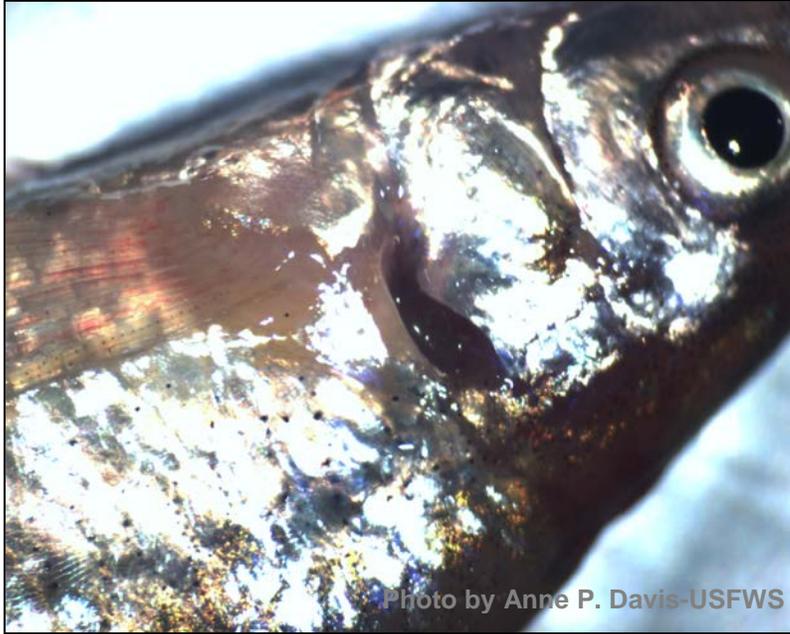


Photo by Anne P. Davis-USFWS

**Plate 51.** Fish 4/07/5-78. Shortened and deformed opercula.

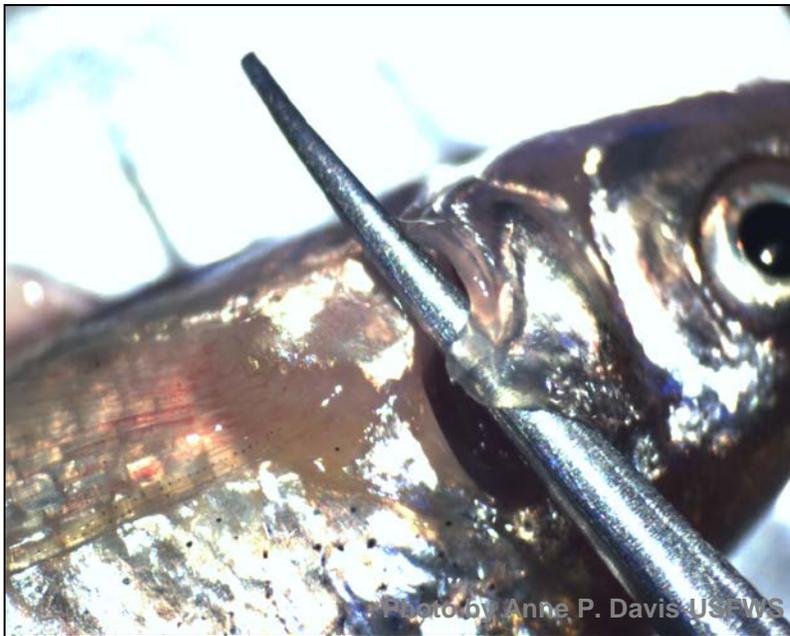


Photo by Anne P. Davis-USFWS

**Plate 52.** Fish 4/07/5-78. Shortened and deformed opercula detail.



**Plate 53.** Fish 4/07/5-70. Shortened opercula.



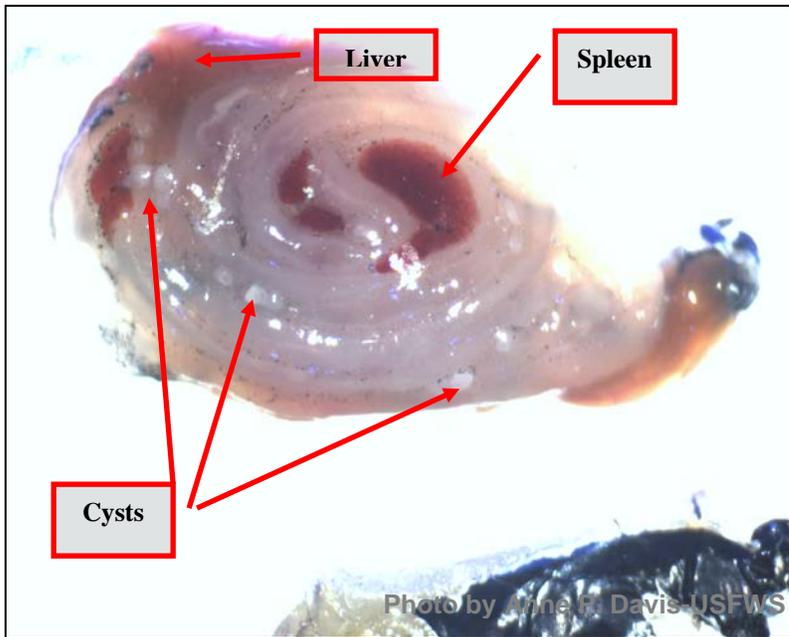
**Plate 54.** Fish 4/07/5-70. Clubbed gills.



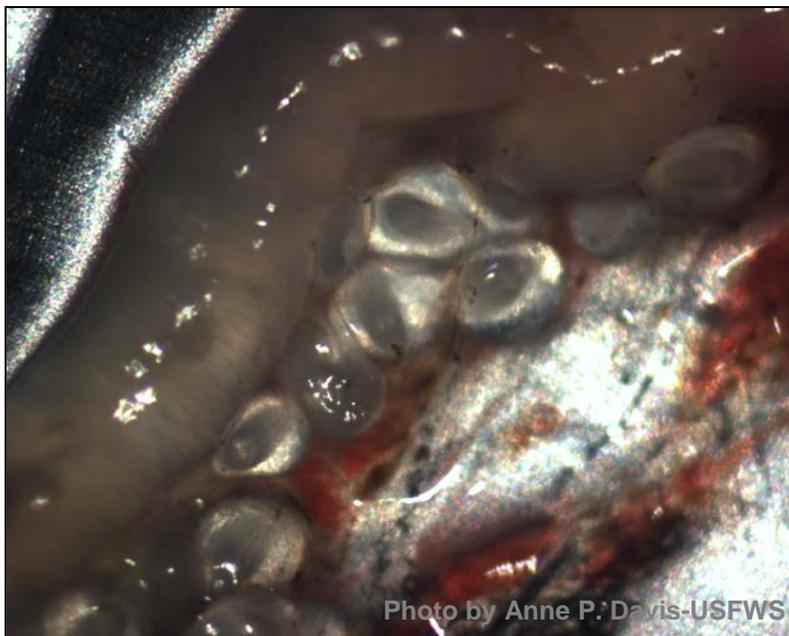
**Plate 55.** Fish 4/07/3-73. Eggs.



**Plate 56.** Fish 4/07/5-72. Eggs.



**Plate 57.** Fish 4/07/5-75. Viscera with cysts (parasites).



**Plate 58.** Fish 4/07/5-75. Cysts (parasites) detail.