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**04-001//FH**

Neilson MA, Painter DS, Warren G, Hites RA, Basu I, Weseloh DVC, Whittle DM, Christie G, Barbiero R, Tuchman M and others. 2003. Ecological monitoring for assessing the state of the nearshore and open waters of the Great Lakes. *Environmental Monitoring and Assessment* 88:103-17.  
Notes: Article

**04-002//TF**

Pelis RM, McCormick SD. 2003. Fin development in stream- and hatchery-reared Atlantic salmon. *Aquaculture* 220(1-4):525-36.  
Notes: Article

**04-003//RT**

Watten BJ, Boyd CE, Schwartz MF, Summerfelt ST, Brazil BL. 2004. Feasibility of measuring dissolved carbon dioxide based on head space partial pressures. *Aquacultural Engineering* 30(3/4):83-101.  
Notes: Article

**04-004//TF**

Letcher BH. 2003. Life history dependent morphometric variation in stream-dwelling Atlantic salmon. *Oecologia* 442( ):533-40.  
Notes: Article

**04-005//TF**

Odeh M, Schrock RM, Gannam A. 2003. Comparative hydraulics of two fishery research circular tanks and recommendations for control of experimental bias. *Journal of Applied Aquaculture* 14(2/3):1-23.  
Notes: Article

**04-006//FH**

Iwanowicz LR, Densmore CL, Ottinger CA. 2004. Calcein AM release-based cytotoxic cell assay for fish leucocytes. *Fish and Shellfish Immunology* 16(2):127-37.  
Notes: Article

**04-007//FH**

Blazer VS, Densmore CL, Schill WB, Cartwright DD, Page SJ. 2004. Comparative susceptibility of Atlantic salmon, lake trout and rainbow trout to *Myxobolus cerebralis* in controlled laboratory exposures. *Diseases of Aquatic Organisms* 58(1):27-34.  
Notes: Article

**04-008//FH**

Burge EJ, Gauthier DT, Ottinger CA, Van Veld PA. 2004. *Mycobacterium*-inducible *Nramp* in striped bass (*Morone saxatilis*). *Infection and Immunity* 72(3):1626-36.  
Notes: Article

**04-009//AE**

Villella RF, Smith DR, Lemarie DP. 2004. Estimating survival and recruitment in a freshwater mussel population

using mark-recapture techniques. *American Midland Naturalist* 151(1):114-33.  
Notes: Article

**04-010//TF**

McCormick SD, Sundell K, Bjornsson BT, Brown CL, Hiroi J. 2003. Influence of salinity on the localization of Na<sup>+</sup>/K<sup>+</sup>-ATPase, Na<sup>+</sup>/K<sup>+</sup>/2Cl<sup>-</sup> Hawaiian goby (*Stenogobius hawaiiensis*). *Journal of Experimental Biology* 206():4575-83.  
Notes: Article

**04-011//AE**

Amirbahman A, Ruck PL, Fernandez IJ, Haines TA, Kahl JS. 2004. The effect of fire on mercury cycling in the soils of forested watersheds: Acadia National Park, Maine, USA. *Water, Air and Soil Pollution* 152():313-31.  
Notes: Article

**04-012//SAL**

Clark JE, van Manen FT, Pelton MR. 2003. Survival of nuisance American black bears released on-site in Great Smoky Mountains National Park. *Ursus* 14(2):210-4.  
Notes: Article

**04-013//AE**

Snyder CD, Young JA, Vilella R, Lemarie DP. 2003. Influences of upland and riparian land use patterns on stream biotic integrity. *Landscape Ecology* 18(7):647-64.  
Notes: Article

**04-014//SAL**

Cuesta F, Peralvo MF, van Manen FT. 2003. Andean bear habitat use in the Oyacachi River Basin, Ecuador. *Ursus* 14(2):198-209.  
Notes: Article

**04-015//TF**

Haro A. 2003. Downstream migration of silver-phase anguillid eels [Pages 215-222]. in: Aida K, Tsukamoto K, Yamauchi K, editors. *Eel Biology*. Tokyo, Japan: Springer.  
Notes: Chapter

**04-016//FH**

Cipriano RC. 2004. Evaluation of single contact applications of Iodophor against the fish pathogen *Aeromonas salmonicida*, cause of Furunculosis. Proceedings of the 29th Annual Eastern Fish Health Workshop; 2004 Mar 22-2004 Mar 26; Royal Pavillion Resort and Conference Center, Atlantic Beach, North Carolina.  
Notes: Abstract

**04-017//FH**

Beauchamp KA, Nehring RB, Kelley GO, Hedrick RP. 2004. The discovery of four cryptic species of oligochaete hosts (*Tubifex tubifex*) provides insights into the spread of *Myxobolus cerebralis* among wild trout populations. Proceedings of the 29th Annual Eastern Fish Health Workshop; 2004 Mar 22-2004 Mar 26; Royal Pavillion Resort and Conference Center, Atlantic Beach, North Carolina.  
Notes: Abstract

**04-018//FH**

Cartwright DD, Blazer VS, Schill WB, Beauchamp KA, Mitchell AJ. 2004. Preliminary study on the mitochondrial genome of the tapeworm *Bothriocephalus acheilognathi*. Proceedings of the 29th Annual Eastern Fish Health Workshop; 2004 Mar 22-2004 Mar 26; Royal Pavillion Resort and Conference Center, Atlantic Beach, North Carolina.  
Notes: Abstract

**04-019//FH**

Iwanowicz LR, Blazer VS. 2004. Histopathological and physiological evidence of thyroid disruption in common carp (*Cyprinus carpio*) from the middle and lower Rio Grande River basin. Proceedings of the 29th Annual Eastern Fish Health Workshop; 2004 Mar 22-2004 Mar 26; Royal Pavillion Resort and Conference Center, Atlantic Beach, North Carolina.  
Notes: Abstract

**04-020//FH**

Cipriano RC, editor. 2004. Proceedings of the 29th Annual Eastern Fish Health Workshop, Royal Pavillion Resort and Conference Center, Atlantic Beach, North Carolina, 22-26 March 2004. Kearneysville, West Virginia: U. S. Geological Survey, National Fish Health Research Laboratory.  
Notes: Book

**04-021//FH**

Beauchamp KA, El-Matbouli M, Hedrick RP. 2004. Genetic study on resistant and susceptible rainbow trout to *Myxobolus cerebralis* infection using the mitochondrial control region. in. Proceedings 10th Whirling Disease Symposium "Whirling Disease Management: Practicalities and Realities"; 2004 Mar 2-2004 Mar 3; Grand America Hotel.  
Notes: Abstract

**04-022//NF**

Honeyfield DC, Brown S, Egger E, Sweet S, Ross P, Sepulveda M, Gross T, Rauschenberger R, Woodward A, Carbonneau D. 2003. Thiamine deficiency complex: Is there evidence in Florida alligators? Workshop on alligator mortality and reproduction impairment on Central Florida lakes; 2003 Dec 3-2003 Dec 4; Austin Carey Forest, Gainesville, Florida.  
Notes: Abstract

**04-023//AE**

Strayer DL, Downing JA, Haag WR, King TL, Layzer JB, Newton TJ, Nichols SJ. 2004. Changing perspectives on pearly mussels, North America's most imperiled animals. *BioScience* 54(5):429-39.  
Notes: Article

**04-024//GSM**

Etnier DA, Parker CR, Stocks IC. 2004. A new species of *Rhyacophila* Pictet (Trichoptera: Rhyacophilidae) from Great Smoky Mountains National Park, with illustrations of females of *R. Appalachia* morse and Ross and *R. Mycta* Ross. Proceedings of the Entomological Society of Washington 106(2):396-406.  
Notes: Article

**04-025//AE//TF**

Spidle AP, King TL, Letcher BH. 2004. Comparison of genetic diversity in the recently founded Connecticut River Atlantic salmon population to that of its primary donor stock, Maine's Penobscot River. *Aquaculture*

236(1-4):253-65.

Notes: Article

**04-026//FH**

Cipriano RC, Shchelkunov IS. 2004. Aquatic and Marine Animal Health - 2003: The Second Bilateral Symposium Between Russia and the United States. Bulletin of the European Association of Fish Pathologist 24(2):126-8.

Notes: Article

**04-027//RT**

Watten BJ, Schwartz MF, Sibrell PL. 2004. Evaluation of pulsed limestone bed reactors for alkalinity control. in. Proceedings of the Fifth International Conference on Recirculating Aquaculture; 2004 Jul 22-2004 Jul 25; Roanoke, Virginia.

Notes: Conference Paper//CD-ROM

**04-028//RT**

Ebeling JM, Rishel KL, Ogden SR, Sibrell PL. 2004. Evaluation of commercially available polymers as chemical coagulation-flocculation aids for the removal of suspended solids from intensive recirculating aquaculture effluent discharge. in. Proceedings of the Fifth International Conference on Recirculating Aquaculture; 2004 Jul 22-2004 Jul 25; Roanoke, Virginia.

Notes: Conference Paper//CD-ROM

**04-029//FH**

Baxa DV, Beauchamp KA, Mukkatira KS, Kelley GO, Hedrick RP. 2004. Susceptible and resistant strains of *Tubifex Tubifex* are present in a genetic lineage susceptible to *Myxobolus Cerebralis*. in. Proceedings 10th Whirling Disease Symposium "Whirling Disease Management: Practicalities and Realities"; 2004 Mar 2-2004 Mar 3; Grand America Hotel.

Notes: Abstract

**04-030//NF**

Sanderson BL, Steel EA, Beechie TJ, Pess GR, Sheer MB, Campbell CA. 2003. Analyses for Phase I Recovery Planning: Setting recovery goals. NOAA Technical Memorandum (NMFS-NWFSC-58):18-39.

Notes: Article

**04-031//NF**

Campbell CA. 2003. Appendix A: Issues of scale in habitat recovery planning. NOAA Technical Memorandum (NMFS-NWFSC-58):127-36.

Notes: Article

**04-032//TF**

McCormick SD, Zydlewski GB, Whalen KG, Haro AJ, Lerner DT, O'Dea MF, Moeckel AM. 2004. Smolt migration, demography and overwinter survival of Atlantic salmon in a restoration stream of the Connecticut River, USA. [Page 44-45]. in. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Woods Hole, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Annual Report 2004/16.

Notes: Abstract

**04-033//TF**

Hawkes J, Letcher B, Mackey G, McKeon J, McMenemy J, Stira B. 2004. Overview of Atlantic salmon emigration in New England. [pages 45-47]. in. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Woods Hole, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Annual Report 2004/16.  
Notes: Abstract

**04-034//AE**

Sheehan T, Reddin D, Kannevorff P, King T. 2004. The international sampling program, continent of origin and biological characteristics of Atlantic salmon collected at West Greenland in 2003 [page 53]. in. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Woods Hole, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Annual Report 2004/16.  
Notes: Abstract

**04-035//AE**

Sheehan T, Legault C, Spidle A. 2004. Probabilistic-based genetic assignment model (PGA): sub-continent of origin assignments of the West Greenland Atlantic salmon catch [page 53]. in. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Woods Hole, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Annual Report 2004/16.  
Notes: Abstract

**04-036//AE**

Sheehan T, Legault C, Brown R, Spidle A, King T. 2004. Identifying the Gulf of Maine distinct population segment component of the West Greenland Atlantic salmon catch [page 56-57]. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Woods Hole, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Annual Report 2004/16.  
Notes: Abstract

**04-037//NF**

Fletcher JW, Honeyfield DC, Ketola HG, Gannam A, Lofton L, Yost F, Sweka JF, Herzig P. 2004. Evaluation of Atlantic salmon kelt broodstock diets [page 60-61]. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Woods Hole, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Annual Report 2004/16.  
Notes: Abstract

**04-038//NF**

Ostrowski C, Fletcher JW, Mohler JW, Honeyfield DC. 2004. Successful marking of Atlantic salmon fed dietary calcein [page 62-63]. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Woods Hole, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Annual Report 2004/16.  
Notes: Abstract

**04-039//TF**

McCormick SD, O'Dea MF, Mackey G, Magee J, Kocik JF. 2004. Physiological smolt status of wild Atlantic salmon in Maine and its relation to declining populations [page 68]. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Woods Hole, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Annual Report 2004/16.  
Notes: Abstract

**04-040//TF**

Monette MY, McCormick SD. 2004. Short-term, sub-lethal acid/aluminum effects on seawater tolerance of Atlantic salmon smolts [page 68]. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Woods

Hole, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Annual Report 2004/16.  
Notes: Abstract

**04-041//TF**

Nieves-Puigdollar K, McCormick SD. 2004. Effect of hexazinone on the parr-smolt transformation of Atlantic salmon [page 69]. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Woods Hole, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Annual Report 2004/16.  
Notes: Abstract

**04-042//RT/AE**

Watten BJ, Vilella RF, Sears RE. 2004. Evaluation of a new method for control of aquatic invasive species: effects of carbon dioxide and stack gas supersaturation of LT<sub>50</sub>. in. 13th International Conference on Aquatic Invasive Species; 2004 Sep 20-2004 Sep 24; Ennis, County Clare, Ireland.  
Notes: Abstract

**04-043//AE**

Bartron ML, Mohler JW, King T. 2004. Genetic parentage analysis of Sheepscot River Atlantic salmon: survival and distribution of stocked individuals [page 71]. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Woods Hole, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Annual Report 2004/16.  
Notes: Abstract

**04-044//FH**

Whipps CM, El-Matbouli M, Hedrick RP, Blazer V, Kent ML. 2004. *Myxobolus cerebralis* internal transcribed spacer 1 (ITS-1) sequences support recent spread of the parasite to North America and within Europe. *Diseases of Aquatic Organisms* 60(2):105-8.  
Notes: Article

**04-045//FH**

Schmitt CJ, Dethloff GM, Hinck JE, Bartish TM, Blazer V, Coyle JJ, Denslow ND, Tillitt DE. 2004. Biomonitoring of Environmental Status and Trends (BEST) Program: Environmental contaminants and their effects on fish in the Rio Grande Basin. Scientific Investigations Report (U. S. Geological Survey) USGS/SIR--2004-5108:118 pages.  
Notes: Report

**04-046//FH**

Hinck J, Schmitt CJ, Bartish TM, Denslow ND, Blazer V, Anderson PJ, Coyle JJ, Dethloff GM, Tillitt DE. 2004. Biomonitoring of Environmental Status and Trends (BEST) Program: Environmental contaminants and their effects on fish in the Columbia River Basin. Scientific Investigations Report (U. S. Geological Survey) USGS/SIR--2004-5154:126 pages.  
Notes: Report

**04-047//NF**

Rauschenberger RH, Sepulveda MS, Honeyfield DC, T. S. Gross. 2003. Evaluating the relationship between thiamine concentrations in eggs and developmental mortality in alligators inhabiting Central Florida lakes. Workshop on alligator mortality and reproduction impairment on Central Florida lakes; 2003 Dec 3-2003 Dec 4; Austin Carey Forest, Gainesville, Florida.  
Notes: Abstract

**04-048//NF**

Ross JP, Honeyfield D, Terrell S, Schoeb. T., Egger E, Welker M. 2003. Effects of thiaminase rich diet on alligators . Workshop on alligator mortality and reproduction impairment on Central Florida lakes; 2003 Dec 3-2003 Dec 4; Austin Carey Forest, Gainesville, Florida.  
Notes: Abstract

**04-049//TF**

Haro A, Castro-Santos T, Noreika J, Odeh M. 2004. Swimming performance of upstream migrant fishes in open-channel flow: a new approach to predicting passage through velocity barriers. Canadian Journal of Fisheries and Aquatic Sciences 61(9):1590-601.  
Notes: Article

**04-050//TF**

Kynard B, Parker E. 2004. Ontogenetic behavior and migration of Gulf of Mexico sturgeon, *Acipenser oxyrinchus desotoi*, with notes on body color development. Environmental Biology of Fishes 70(1):43-55.  
Notes: Article

**04-051//FH**

Densmore CL, Ottinger CA, Blazer VS, Iwanowicz LR, Smith DR. 2004. Immunmodulation and disease resistance in postyearling rainbow trout infected with *Myxobolus cerebralis*, the causative agent of the whirling disease. Journal of Aquatic Animal Health 16(2):73-82.  
Notes: Article

**04-052//TF**

Handeland SO, Wilkinson E, Sveinsbo B, McCormick SD, Stefansson SO. 2004. Temperature influence on the development and loss of seawater tolerance in two fast-growing strains of Atlantic salmon. Aquaculture 233(1-4):513-29.  
Notes: Article

**04-053//FH**

Capps T, Mukhi S, Rinchar JJ, Theodorakis CW, Blazer VS, Patino R. 2004. Exposure to perchlorate induces the formation of macrophage aggregates in the trunk kidney of zebrafish and mosquitofish. Journal of Aquatic Animal Health 16(3):145-51.  
Notes: Article

**04-054//RT**

Ebeling JM, Ogden SR, Sibrell PL, Rishel KL. 2004. Application of chemical coagulation aids for the removal of suspended solids (TSS) and phosphorus from the microscreen effluent discharge of an intensive recirculating aquaculture system. North American Journal of Aquaculture 66(3):198-207.  
Notes: Article

**04-055//AE**

Silverstein JT, Rexroad CEI, King TL. 2004. Genetic variation measured by microsatellites among three strains of domesticated rainbow trout (*Oncorhynchus mykiss*, Walbaum). Aquaculture Research 35(1):40-8.  
Notes: Article

**04-056//SAL**

Huygens OC, van Manen FT, Martorello DA, Hayashi H, Ishida J. 2004. Relationships between Asiatic black bear kills and depredation costs in Nagano Prefecture, Japan`. *Ursus* 15(2):197-202.  
Notes: Article

**04-057//NF**

Ross RM, Johnson JH, McCullough RD, Edmonds B. 2003. Diet composition and fish consumption of double-crested cormorants from the Pigeon and Snake Island of eastern Lake Ontario in 2003 [Pages 1-11]. in. New York State Department of Environmental Conservation 2003 Annual Report//NYSDEC Lake Ontario Annual Report 2003 Volume Section 16. New York State Department of Environmental Conservation Division of Fish, Wildlife and Marine Resources.  
Notes: Report

**04-058//NF**

Johnson JH, Ross RM, Farquhar JF. 2003. The effects of egg oiling on fish consumption by double-crested cormorants on Little Galloo Island, Lake Ontario, in 2003 [Pages 1-7 ]. in. New York State Department of Environmental Conservation 2003 Annual Report//NYSDEC Lake Ontario Annual Report 2003 Volume Section 15. New York State Department of Environmental Conservation Division of Fish, Wildlife and Marine Resources.  
Notes: Report

**04-059//NF**

Johnson JH, Ross RM, McCullough RD, Edmonds B. 2003. Diet composition and fish consumption of double-crested cormorants from the Little Galloo Island colony of eastern Lake Ontario in 2003 [Pages 1-10]. in. New York State Department of Environmental Conservation 2003 Annual Report//NYSDEC Lake Ontario Annual Report 2003 Volume Section 14. New York State Department of Environmental Conservation Division of Fish, Wildlife and Marine Resources.  
Notes: Report

**04-060//FH//RT**

Haas C, Starliper C, Watten B. 2004. Preliminary water decontamination involving the inhibitory effects of carbon dioxide on the fish pathogen *Aeromonas salmonicida*. West Virginia Academy of Science 79th Annual Meeting 79:[n.p.].  
Notes: Abstract

**04-061//NF**

Ross RM, Johnson JH, McCullough RD. 2004. Use of cormorant diets to track range expansion of the invasive round goby *Neogobius melanostomus* in Lake Ontario and the St. Lawrence River. in. 60th Annual Northeast Fish and Wildlife Conference Abstracts: Managing Resources for Competing Users; 2004 Apr 25-2004 Apr 28; Ocean City, Maryland: Maryland Department of Natural Resources//Delaware Department of Natural Resources and Environmental Control//Northeast Association of Fish and Wildlife Agencies//.  
Notes: Abstract

**04-062//NF**

Ketola HG, Honeyfield DC. 2004. Thiamine status of walleye in Lake Erie and New York finger lakes. in. Early Mortality Syndrome Workshop//Research Status Report//; 2004 Sep 8-2004 Sep 9; Ann Arbor, Michigan. Great Lakes Fishery Commission.  
Notes: Abstract

**04-063//NF**

Sweet SA, Honeyfield DC, Peters A, Jones M, Bence J. 2004. Muscle and liver thiamine content in Lake Michigan chinook salmon. in. Early Mortality Syndrome Workshop//Research Status Report//; 2004 Sep 8-2004 Sep 9; Ann Arbor, Michigan. Great Lakes Fishery Commission.  
Notes: Abstract

**04-064//NF**

Fitzsimons JD, Brown SB, Honeyfield DC, Tillitt DE. 2004. Factors affecting thiaminase activity in alewives. in. Early Mortality Syndrome Workshop//Research Status Report//; 2004 Sep 8-2004 Sep 9; Ann Arbor, Michigan. Great Lakes Fishery Commission.  
Notes: Abstract

**04-065//NF**

Kraft C, Lepak J, Honeyfield DC. 2004. Evaluating the effects of environment and stressors on thiaminase expression in alewife. in. Early Mortality Syndrome Workshop//Research Status Report//; 2004 Sep 8-2004 Sep 9; Ann Arbor, Michigan. Great Lakes Fishery Commission.  
Notes: Abstract

**04-066//NF**

Brown SB, Arts MT, Brown L, Brown M, Moore K, Vilella M, Fitzsimons JD, Honeyfield DC, Tillitt DE, Zajicek JL and others. 2004. Can diet-dependent factors help to explain fish-to-fish variation in EMS? in. Early Mortality Syndrome Workshop//Research Status Report//; 2004 Sep 8-2004 Sep 9; Ann Arbor, Michigan. Great Lakes Fishery Commission.  
Notes: Abstract

**04-067//NF**

Honeyfield DC, Fitzsimons JD, Tillitt DE, Brown SB. 2004. Potential for using fatty acids to predict dietary forage fish composition in lake trout eggs. in. Early Mortality Syndrome Workshop//Research Status Report//; 2004 Sep 8-2004 Sep 9; Ann Arbor, Michigan. Great Lakes Fishery Commission.  
Notes: Abstract

**04-068//NF**

Honeyfield DC, Fitzsimons JD, Tillitt DE, Brown SB. 2004. Relationship between thiaminase and fatty acid content of Lake Michigan alewife. in. Early Mortality Syndrome Workshop//Research Status Report//; 2004 Sep 8-2004 Sep 9; Ann Arbor, Michigan. Great Lakes Fishery Commission.  
Notes: Abstract

**04-069//NF**

Fitzsimons JD, Brown SB, Honeyfield DC, Tillitt DE. 2004. Influence of thiamine deficiency on larval growth, foraging, and predator avoidance in lake trout (*Salvelinus namaycush*). in. Early Mortality Syndrome Workshop//Research Status Report//; 2004 Sep 8-2004 Sep 9; Ann Arbor, Michigan. Great Lakes Fishery Commission.  
Notes: Abstract

**04-070//NF**

Tillitt DE, Carvalho PSM, Claunch RA, Zajicek JL, Fitzsimons JD, Brown SB, Honeyfield DC. 2004. Influence of thiamine deficiency on larval growth, foraging, and predator avoidance in lake trout (*Salvelinus namaycush*) visual acuity and foraging ability in swim-up stage fry. in. Early Mortality Syndrome Workshop//Research Status Report//; 2004 Sep 8-2004 Sep 9; Ann Arbor, Michigan. Great Lakes Fishery

Commission.  
Notes: Abstract

**04-071//NF**

Rise ML, Honeyfield DC . 2004. Salmonid cDNA microarrays used to identify molecular biomarkers of thiamine deficiency in lake trout (*Salvelinus namaycush*) eggs. in. Early Mortality Syndrome Workshop//Research Status Report//; 2004 Sep 8-2004 Sep 9; Ann Arbor, Michigan. Great Lakes Fishery Commission.  
Notes: Abstract

**04-072//NF**

Brown SB, Honeyfield DC, editors. 2004. Early Mortality Syndrome Workshop//. Ann Arbor, Michigan: Great Lakes Fishery Commission//Research Status Report//.  
Notes: Report

**04-073//FH**

Densmore C, McAllister P. 2004. Cnidarian cell culture: development of a laboratory tool for coral disease research. in: Gage LJ, Editor. Proceedings: 35th Annual International Association for Aquatic Animal Medicine; 2004 May 4-2004 May 8; Galveston, Texas. Galveston, Texas: International Association for Aquatic Animal Medicine .  
Notes: Abstract

**04-074//FH**

Ottinger CA, Densmore C. 2004. Mycobacteriosis in striped bass populations from mid-Atlantic waters: A cooperative research project. in: Gage LJ, Editor. Proceedings: 35th Annual International Association for Aquatic Animal Medicine; 2004 May 4-2004 May 8; Galveston, Texas. Galveston, Texas: International Association for Aquatic Animal Medicine.  
Notes: Abstract

**04-075//FH**

Ottinger C, Blazer VS, Densmore CL, Harms CA, Iwanowicz LR, Cartwright DD, Pieper HH, Kennedy-Stoskopf S. 2004. Temporal and spatial immunomodulation in Chesapeake Bay white perch (*Morone americana*): leukocyte function relative to transforming growth factor - beta and plasma cortisol levels. in. American Fisheries Society/Fish Health Section 2004 Annual Meeting ; 2004 Jul 25-2004 Jul 29; Shepherdstown,, WV.  
Notes: Abstract

**04-076//FH//TF**

Iwanowicz LR, Lerner DT, Blazer VS, McCormick SD. 2004. Aqueous exposure to Arochlor 1254 modulates the mitogenic response of anterior kidney leukocytes in Atlantic salmon. in. American Fisheries Society/Fish Health Section 2004 Annual Meeting ; 2004 Jul 25-2004 Jul 29; Shepherdstown,, WV.  
Notes: Abstract

**04-077//FH**

Czerwinski C, Blazer VS, Weis JS. 2004. Comparative analysis of pigmented cell foci in white perch gonads and spleens. in. American Fisheries Society/Fish Health Section 2004 Annual Meeting ; 2004 Jul 25-2004 Jul 29; Shepherdstown,, WV.  
Notes: Abstract

**04-078//FH//AE**

Cartwright DD, Blazer VS, Griffin AR, Schill WB, R. L. Johnson. 2004. A field study on the effect of riparian zone and associated stream substrata on *Tubifex tubifex* and their infection rates with Myxosporidian parasites. in. American Fisheries Society/Fish Health Section 2004 Annual Meeting ; 2004 Jul 25-2004 Jul 29; Shepherdstown,, WV.  
Notes: Abstract

**04-079//FH//**

Griffin AR, Cartwright DD, Blazer VS, Schill WB. 2004. A laboratory exposure on the effect of stream substrata on *Tubifex tubifex* and their density and infection rates with *Myxobolus cerebralis*. in. American Fisheries Society/Fish Health Section 2004 Annual Meeting ; 2004 Jul 25-2004 Jul 29; Shepherdstown,, WV.  
Notes: Abstract

**04-080//FH//**

Beauchamp KA, El-Matbouli M, Hedrick RP. 2004. Genetic study on resistant and susceptible rainbow trout to *Myxobolus cerebralis* infection using mitochondrial DNA. in. American Fisheries Society/Fish Health Section 2004 Annual Meeting ; 2004 Jul 25-2004 Jul 29; Shepherdstown,, WV.  
Notes: Abstract

**04-081//FH//**

Cipriano RC. 2004. Antibodies against infection salmon anemia virus in feral Atlantic salmon (*Salmo salar*) may predate the historical record of ISA epizootics in the United States. in. American Fisheries Society/Fish Health Section 2004 Annual Meeting ; 2004 Jul 25-2004 Jul 29; Shepherdstown,, WV.  
Notes: Abstract

**04-082//FH//**

Densmore CL. 2004. Physiological impacts of *Myxobolus cerebralis* on the salmonid host. in. American Fisheries Society/Fish Health Section 2004 Annual Meeting ; 2004 Jul 25-2004 Jul 29; Shepherdstown,, WV.  
Notes: Abstract

**04-083//RT**

Watten BJ, Sibrell PL. 2004. Part 4 - Production modeling and packed column design for oxygen absorption . World Aquaculture Society, Book of Abstracts, Aquaculture 2004: "Aquaculture - An Ecologically Sustainable and Profitable Venture" ; 2004 Mar 1-2004 Mar 5; Hawaii Convention Center, Honolulu, Hawaii.  
Notes: Abstract

**04-084//FH**

Iwanowicz L, Blazer V, O'Bara C, Lewis G. 2004. Possible endocrine disruption in smallmouth bass from the South Branch of the Potomac River. Abstracts Chesapeake and Potomac Regional Chapter (CPRC) of the Society of Environmental Toxicology and Chemistry (SETAC) Spring Meeting; 2004 Apr 22; U. S. Fish and Wildlife Service - National Conservation Training Center//Shepherdstown, WV//.  
Notes: Abstract