

USGS -- LEETOWN SCIENCE CENTER
PUBLICATIONS 1990-1999

- Anderson DP. 1995. Novel techniques for fish disease diagnosis. [Pages 27-41]. in: Shariff M, Arthur JR, Subasinghe RP, editors. Diseases in Asian Aquaculture II. Manila: Fish Health Section, Asian Fisheries Society.
Call Number: 96-039//PY96//FH
Notes: Article
- Abbott CC, Haines TA. 1994. The effects of watershed acidification on mercury uptake in brook trout (*Salvelinus fontinalis*). in. Abstracts: 124th Annual Meeting American Fisheries Society Halifax, Nova Scotia.
Call Number: 95-052//PY95//AE
Notes: Abstract
- Anderson D. 1991. Non-invasive, non-specific assays for monitoring fish health and immune status from a single blood sample. in. 14th Annual AFS/FHS Meeting - 32nd Western Fish Disease Conference Oregon State University/Hatfield Marine Science Center, Newport, Oregon.
Call Number: 91-083//FH
Notes: Abstract
- Anderson D. 1994. Second Symposium on "Diseases in Asian Aquaculture: Aquatic Animal Health and the Environment", Phuket, Thailand. 25-29 October 1993. Asian Fisheries Society, Fish Health Section 4(2):2-3.
Call Number: 94-093//PY95//FH
Notes: Book Review
- Anderson DP. 1990. Fluorescent antibody test. [Pages 1-8]. in: Stolen JS, Fletcher TC, Anderson DP, Roberson BS, van Muiswinkel WB, editors. Techniques in Fish Immunology. Fair Haven, New Jersey: SOS Publications.
Call Number: 90-044//FH
Notes: Chapter
- Anderson DP. 1990. Glass-adherent neutrophil assay for measuring trout immune responsiveness. U.S. Fish and Wildlife Service, Research Information Bulletin 38:2 pages.
Call Number: 90-057//FH
Notes: RIB
- Anderson DP. 1990. H. W. Ferguson, editor. 1989. Systemic Pathology of Fish: A Test and Atlas of Comparative Tissue Responses in Diseases of Teleosts. Iowa State University Press, Ames, Iowa. 263 pages. Transactions of the American Fisheries Society 119(3):564-5.
Call Number: 91-010//FH
Notes: Book Review
- Anderson DP. 1990. Immunological indicators: effects of environmental stress on immune protection and disease outbreaks. American Fisheries Society Symposium 8:38-50.
Call Number: 91-022//FH
Notes: Article
- Anderson DP. 1990. J. S. Stolen, et. al. Techniques in Fish Immunology: Fish Immunology Technical Communications 2. SOS Publication, Fair Haven, New Jersey. Bulletin of the European Association of Fish Pathologists 10(5):124.
Call Number: 92-043//FH
Notes: Book Review
- Anderson DP. 1990. More kudos. Canadian Aquaculture 6(5):7-8.
Call Number: 90-090//FH

Notes: Article

- Anderson DP. 1990. Passive hemolytic plaque assay for detecting antibody-producing cells in fish. [Pages 9-13]. in: Stolen JS, Fletcher TC, Anderson DP, Roberson BS, van Muiswinkel WB, editors. Techniques in Fish Immunology. Fair Haven, New Jersey: SOS Publications.
Call Number: 90-043//FH
Notes: Chapter
- Anderson DP. 1992. Immunostimulants, adjuvants, and vaccine carriers in fish: applications to aquaculture. Annual Review of Fish Diseases 2:281-307.
Call Number: 92-079//FH
Notes: Article
- Anderson DP. 1992. In vitro immunization of fish spleen sections and NBT, phagocytic, PFC and antibody assays for monitoring the immune response. [Pages 79-87]. in: Stolen JS, Fletcher TC, Anderson DP, Kaattari SL, Rowley AF, editors. Techniques in fish immunology. Fair Haven, New Jersey: SOS Publications.
Call Number: 92-073//FH
Notes: Chapter
- Anderson DP. 1993. J. S. Stolen, et. al. Techniques in Fish Immunology: Fish Immunology Technical Communications 2. SOS Publication, Fair Haven, New Jersey. American Fisheries Society, Fish Health Section Newsletter 21(1):11-2.
Call Number: 93-052//FH
Notes: Book Review
- Anderson DP. 1993. Passive hemolytic plaque assay for detecting antibody-producing cells in fish [Pages 113-116]. in: Siwicki AK, Anderson DP, Waluga J, editors. Fish Disease Diagnosis and Preventions Methods. Olsztyn, Poland: Wydawnictwo Instytutu Rybactwa Stroladowego.
Call Number: 94-025//FH
Notes: Chapter
- Anderson DP. 1993. Specific immune response in fish. [Pages 17-20]. in: Siwicki AK, Anderson DP, Waluga J, editors. Fish Disease Diagnosis and Preventions Methods. Olsztyn, Poland: Wydawnictwo Instytutu Rybactwa Stroladowego.
Call Number: 94-021//FH
Notes: Chapter
- Anderson DP. 1994. Duration of protection against *Aeromonas salmonicida* in brook trout immunostimulated with glucan or chitosan by injection or immersion. Progressive Fish Culturist 56(4):258-61.
Call Number: 95-008//PY95//FH
Notes: Article
- Anderson DP. 1994. Novel techniques for fish disease diagnosis. in. 2nd Symposium on Diseases of Asian AquaculturePhuket, Thailand. Fish Health Section, Asian Fisheries Society.
Call Number: 94-052//FH
Notes: Abstract
- Anderson DP, Barney PJ. 1991. The role of the diagnostic laboratory in fish disease control. Annual Review of Fish Diseases 1(1):41-62.
Call Number: 91-054//FH
Notes: Article
- Anderson DP, de Grooth R. 1990. A simplified nitroblue tetrazolium assay for indicating rainbow trout blood neutrophil activity. in. 1990 Joint Meeting American Fisheries Society, Fish Health Section and Midwest Fish Health WorkshopBloomington, Minnesota.

Call Number: 90-077//FH

Notes: Abstract

Anderson DP, Dixon OW, Bodammer JE, Lizzio EF. 1989. Suppression of antibody-producing cells in rainbow trout spleen sections exposed to copper in vitro. *Journal of Aquatic Animal Health* 1(1):57-61.

Call Number: 90-013//FH

Notes: Article

Anderson DP, Dixon OW, Lizzio EF. 1991. In vivo and in vitro transfer of trout spleen sections for early analysis of the immune response. *Fish and Shellfish Pathology* 1(1):99-105.

Call Number: 91-053//FH

Notes: Article

Anderson DP, Dixon OW, Siwicki AK. 1989. In vitro assays for chemicals and drugs causing immunomodulation in fish. [Pages 237-244]. in: Goldber AM, editor. *In Vitro Toxicology: New Directions*. New York, New York: Mary Ann Lieber, Inc.

Call Number: 90-028//FH

Notes: Chapter

Anderson DP, Dixon OW, van Muiswinkel WB. Reduction in the numbers of antibody-producing cells in rainbow trout, *Oncorhynchus mykiss*, exposed to sublethal doses of phenol before bath immunization. [Pages 331-337]. in: Landis WG, van der Schalie WH, editors. *Aquatic Toxicology and Risk Assessment*. Volume 13. Philadelphia, Pennsylvania: American Society for Testing and Materials.

Call Number: 91-001//FH

Notes: Chapter

Anderson DP, Jeney G. 1991. Immunostimulants effect nonspecific defense mechanisms and specific immune response in trout given *Aeromonas salmonicida* bacterins. *Developmental and Comparative Immunology* 15(Supplement 1):S68.

Call Number: 91-091//FH

Notes: Abstract

Anderson DP, Jeney G. 1991. Immunostimulants heighten immune response and protection in rainbow trout when added to *Aeromonas salmonicida* bacterin baths. in. 5th International Conference, Diseases of Fish and Shellfish. European Conference of Fish Pathologists Budapest, Hungary.

Call Number: 91-096//FH

Notes: Abstract

Anderson DP, Jeney G. 1991. Responses to in vitro and in vivo immunizations with *Aeromonas salmonicida* O antigen bacterins in rainbow trout (*Oncorhynchus mykiss*). *Fish and Shellfish Immunology* 1(4):251-60.

Call Number: 92-020//FH

Notes: Article

Anderson DP, Jeney G. 1992. Immunostimulants added to infected *Aeromonas salmonicida* bacterin enhance defense mechanisms and protection in rainbow trout (*Oncorhynchus mykiss*). *Veterinary Immunology and Immunopathology* 34(3-4):379-89.

Call Number: 93-020//FH

Notes: Article

Anderson DP, Jeney G. 1993. Immunostimulation and protection from diseases in rainbow trout by glucans given by injection or bath. *European Society Special Publication* 19:199.

Call Number: 93-054//FH

Notes: Abstract

Anderson DP, Mayer FL. 1993. Salmonid pharmacology and toxicology [Pages 432-439]. in: Stoskopf MK. *Fish*

medicine. Philadelphia, Pennsylvania: W. B. Saunders Company.
Call Number: 93-006//FH
Notes: Chapter

Anderson DP, Moritomo T, de Grooth R. 1992. Neutrophil, glass-adherent, nitroblue tetrazolium assay gives early indication of immunization effectiveness in rainbow trout. *Veterinary Immunology and Immunopathology* 30(4):419-29.

Call Number: 92-030//FH
Notes: Article

Anderson DP, Siwicki AK. 1992. Pollutant exposures and drug treatments of fish: detection of effects on the immune response and protection against diseases. in. *Abstract Bulletin: World Fisheries Congress Athens, Greece*.

Call Number: 92-045//FH
Notes: Abstract

Anderson DP, Siwicki AK. 1993. Duration of protection against *Aeromonas salmonicida* in eastern brook trout after immuno-stimulation. in. *The Nordic Symposium on Fish Immunology. Abstracts and Participants Uppsala University, Uppsala, Sweden*.

Call Number: 93-078//FH//
Notes: Abstract

Anderson DP, Siwicki AK. 1993. Hematological and serological assays to determine fish health.. in. *Modulators of Fish Immune Responses: Models for Environmental Toxicology/Biomarkers, Immunostimulators. Breckenridge, Colorado*.

Call Number: 93-114//FH
Notes: Abstract

Anderson DP, Siwicki AK. 1993. Measuring the effects of contaminants on fish by hematological and serological methods. in. *Modulators of Fish Immune Responses: Models for Environmental Toxicology/Biomarkers, Immunostimulators. Breckenridge, Colorado*.

Call Number: 93-115//FH
Notes: Abstract

Anderson DP, Siwicki AK. 1993. Stimulation of nonspecific defense mechanisms and the specific immune response in fish. [Pages 53-56]. in: Siwicki AK, Anderson DP, Waluga J, editors. *Fish Disease Diagnosis and Preventions Methods*. Olsztyn, Poland: Wydawnictwo Instytutu Rybactwa Strodładowego.

Call Number: 94-027//FH
Notes: Chapter

Anderson DP, Siwicki AK. 1994. Basic hematology and serology for fish health programs. in. *2nd Symposium on Diseases of Asian Aquaculture Phuket, Thailand. Fish Health Section, Asian Fisheries Society*.

Call Number: 94-053//FH
Notes: Abstract

Anderson DP, Siwicki AK. 1995. Basic haematology and serology for fish health programs. [Pages 185-202]. in: Shariff M, Arthur JR, Subasinghe RP, editors. *Diseases in Asian Aquaculture II*. Manila: Fish Health Section, Asian Fisheries Society.

Call Number: 96-041//PY96//FH
Notes: Article

Anderson DP, Siwicki AK. 1996. Pollutant exposures and drug treatments of fish: detection of the effects on the immune response and protection against diseases. in: Heggberget TG, editor. *The Role of Aquaculture in World Fisheries. Proceedings of the World Fisheries Congress, Theme 6 New Delhi, India: Oxford & IBH Publishing Co. Pvt. Ltd.*

Call Number: 96-010//PY96//FH
Notes: Chapter

Anderson DP, Siwicki AK, Dixon OW, Lizzio EF. 1989. Immunostimulation by levamisole in rainbow trout (*Salmo gairdneri*) in vivo. [Pages 469-478]. in: Ahne W, Kurstak E, editors. Viruses of Lower Vertebrates. Berlin, New York: Springer-Verlag Publishers.

Call Number: 90-020//FH
Notes: Chapter

Anderson DP, Siwicki AK, Glabski E, Kazun K. 1993. Latex bead agglutination test for the rapid and sensitive identification of bacterial infections in fish. [Pages 143-146]. in: Siwicki AK, Anderson DP, Waluga J, editors. Fish Disease Diagnosis and Prevention Methods. Olsztyn, Poland: Wydawnictwo Instytutu Rybactwa Strojadowego.

Call Number: 94-024//FH
Notes: Chapter

Anderson DP, Siwicki AK, Rumsey GL. 1994. Injection or immersion delivery of new immunostimulants to trout demonstrate enhancement of nonspecific defense mechanisms and protective immunity. in. 2nd Symposium on Diseases of Asian Aquaculture Phuket, Thailand. Fish Health Section, Asian Fisheries Society.

Call Number: 94-054//FH//TL
Notes: Abstract

Anderson DP, Siwicki AK, Rumsey GL. 1995. Injection or immersion delivery of selected immunostimulants to trout demonstrate enhancement of nonspecific defense mechanisms and protective immunity. [Pages 413-426]. in: Shariff M, Arthur JR, Subasinghe RP, editors. Diseases in Asian Aquaculture II. Manila: Fish Health Section, Asian Fisheries Society.

Call Number: 96-042//PY96//FH
Notes: Article

Anderson DP, Zeeman MG. 1995. Immunotoxicology in fish. [Pages 371-404]. in: Rand GM, editor. Fundamentals of Aquatic Toxicology: Effects, Environmental Fate, and Risk Assessment. 2d ed. ed. Washington, D. C.: Taylor and Francis.

Call Number: 97-062//FH
Notes: Chapter

Augspurger TP, Herman RL, Tanacredi JT, Hatfield JS. 1994. Liver lesions in winter flounder (*Pseudopleuronectes americanus*) from Jamaica Bay, New York: indications of environmental degradation. Estuaries 17(1B):172-80.

Call Number: 95-001//PY95//FH
Notes: Article

Backman TWH. 1989. Entrainment net effective means for transporting juvenile American shad. U.S. Fish and Wildlife Service, Research Information Bulletin 93:2 pages.

Call Number: 90-018//NF
Notes: RIB

Backman TWH. 1990. Annual update on American shad research. in. Atlantic States Marine Fisheries Commission 1990 Shad and River Herring Workshop Nags Head, North Carolina.

Call Number: 91-035//NF
Notes: Conference Paper

Backman TWH. 1991. Genotypic and phenotypic variability of *Zostera marina* on the west coast of North America. Canadian Journal of Botany 69:1361-71.

Call Number: 92-018//NF

Notes: Article

- Backman TWH, Ross RM. 1990. Comparison of three techniques for the capture and transport of impounded subyearling American shad. *Progressive Fish-Culturist* 52(4):246-52.
Call Number: 91-033//NF
Notes: Article
- Backman TWH, Ross RM, Krise WF. 1991. Tolerance of subyearling American shad to short-term exposure to gas supersaturation. *North American Journal of Fisheries Management* 11(1):67-71.
Call Number: 91-052//NF
Notes: Article
- Backman TWH, Ross RM, Limburg KE. 1990. Effects of schooling behavior on respiration in American shad. in. 120th Annual Meeting of the American Fisheries SocietyPittsburgh, Pennsylvania.
Call Number: 90-060//NF
Notes: Abstract
- Bader JA, Shotts EBJr. 1998. Determination of phylogenetic relationships of *Flavobacterium psychrophilum* (*Flexibacter psychrophilus*), *Flavobacterium columnare* (*Flexibacter columnaris*), and *Flexibacter maritimus* by sequence analysis of 16S ribosomal RNA genes amplified by polymerase chain reaction. *Journal of Aquatic Animal Health* 10(4):320-7.
Call Number: 99-002//FH
Notes: Article
- Bader JA, Shotts EBJr. 1998. Identification of *Flavobacterium* and *Flexibacter* species by species-specific polymerase chain reaction primers to the 16S ribosomal RNA gene. *Journal of Aquatic Animal Health* 10(4):311-9.
Call Number: 99-003//FH
Notes: Article
- Bader JA, Shotts EBJr, Steffens WL, Lom J. 1998. Occurrence of *Loma cf. salmonae* in brook, brown and rainbow trout from Buford Trout Hatchery, Georgia, USA. *Diseases of Aquatic Organisms* 34(3):211-6.
Call Number: 99-001//FH
Notes: Article
- Bakshantansky EL, Nesterov VD, Haro A. 1993. Some aspects of juvenile anadromous salmonid behavior and behavioral studies, and their application to development of fish passage systems. in. Fish passage policy and technology: proceedings of a symposiumPortland, Oregon. American Fisheries Society, Bioengineering Section.
Call Number: 95-003//PY95//TF
Notes: Article
- Barbash P, Cipriano RC. 1997. Case study on development of oxytetracycline resistant *Aeromonas salmonicida* among sea run Atlantic salmon. in. 22nd Annual Eastern Fish Health WorkshopRoyal Pavilion Resort, Atlantic Beach, North Carolina.
Call Number: 97-010//FH
Notes: Abstract
- Barbin GP, McCormick SD, Haro AJ. 1997. An experimental design for examining the influence on environmental factors on downstream migratory behavior. *American Zoologist* 37(5):117.
Call Number: 98-110//TF
Notes: Abstract
- Barbin GP, Parker SJ, McCleave JD. 1998. Olfactory clues play a critical role in the estuarine migration of silver-phase American eels. *Environmental Biology of Fishes* 53(3):283-91.

Call Number: 98-104//TF
Notes: Article

Barrows FT, Lellis WA. 1999. The effect of dietary protein and lipid source on dorsal fin erosion in rainbow trout, *Oncorhynchus mykiss*. *Aquaculture* 180(1/2):167-75.

Call Number: 99-094//NF
Notes: Article

Barrows FT, Lellis WA. 1996. Diet and nutrition [Pages 315-321]. in: Summerfelt RC, editor. *Walleye Culture Manual*. Ames, Iowa: North Central Regional Aquaculture Center Publications Office, Iowa State University. NCRAC Culture Series; 101).

Call Number: 96-102//PY96//NF
Notes: Chapter

Barrows FT, Lellis WA. 1997. Prevention of fin erosion in rainbow trout, *Oncorhynchus mykiss*, by dietary modification. U. S. Fish and Wildlife Service, Bozeman Information Leaflet 86:12 pages.

Call Number: 98-030//NF
Notes: Article

Bartles WJ, Vilella RF, Weller DA. 1999. Vertical and horizontal movement of *Elliptio Complanata* with relation to temperature, substrate, and flow. in. Program Guide & Abstracts The First Symposium of the Freshwater Mollusk Conservation Society. Musseling in on Biodiversity. Clarion Hotel. Chattanooga, TN.

Call Number: 99-078/AE
Notes: Abstract

Baumann PC. 1994. Thoughts and data from epizootiological studies of liver cancer in brown bullhead of the Black River. in. *Managing Now for the 21st Century: Food, Recreation and Diversity*. 124th Annual Meeting of the American Fisheries Society Halifax, Nova Scotia.

Call Number: 95-046//PY95//FH
Notes: Abstract

Baumann PC. 1998. Epizootics of cancer in fish associated with genotoxins in sediment and water. *Mutation Research* 411:227-33.

Call Number: 99-004//FH
Notes: Article

Baumann PC, Harshbarger JC. 1995. Decline in liver neoplasms in wild brown bullhead catfish after coking plant closes and environmental PAHs plummet. *Environmental Health Perspectives* 103(2):168-70.

Call Number: 95-018//PY95//FH
Notes: Article

Baumann PC, Harshbarger JC. 1998. Long term trends in liver neoplasm epizootics of brown bullhead in the Black River, Ohio. *Environmental Monitoring and Assessment* 53:213-23.

Call Number: 98-047//FH
Notes: Article

Baumann PC, Metcalfe C. 1995. Linkages between exposure to chemical contaminants and tumors in benthic Great Lakes fish -- a review. in. Program and Abstracts: 38th Conference International Association for Great Lakes Research Michigan State University, East Lansing, Michigan.

Call Number: 95-044//PY95//FH
Notes: Abstract

Baumann PC, Smith IR, Metcalfe CD. 1996. Linkages between chemical contaminants and tumors in benthic Great Lakes fish. *Journal of Great Lakes Research* 22(2):131-52.

Call Number: 97-061//FH

Notes: Article

- Baya A, May EB, Li T, Weedon C, Peiper L, Huang J, Blazer V, Reimschuessel R. 1998. Mycobacteria - A possible emerging pathogen of striped bass caught in the Maryland portion of the Chesapeake Bay. in. Third International Symposium on Aquatic Animal Health Renaissance Harborplace Hotel. Baltimore, Maryland.
Call Number: 98-092//FH
Notes: Abstract SS5-2
- Bebak J, McAllister PE, Boston R, and Smith G. 1999. The effect of fish density on the survival of rainbow trout fry during an Infectious Pancreatic Necrosis (IPN) epidemic. in. Proceedings of the 24th Annual Eastern Fish Health Workshop Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina.
Call Number: 99-021//FH
Notes: Abstract
- Bebak J, McAllister PE, Boston R, Smith G. 1998. The effect of fish density on the survival of rainbow trout fry during an infectious pancreatic necrosis (IPN) epidemic. in. Third International Symposium on Aquatic Animal Health Renaissance Harborplace Hotel. Baltimore, Maryland.
Call Number: 98-089//FH
Notes: Abstract S7-1
- Bebak J, McAllister PE, Smith G. 1998. Infectious pancreatic necrosis virus: transmission from infectious to susceptible rainbow trout fry. in. 23rd Annual Eastern Fish Health Workshop John Carver Inn, Plymouth, Massachusetts.
Call Number: 98-041//FH
Notes: Abstract
- Bebak J, McAllister PE, Smith G. 1998. Infectious pancreatic necrosis virus: transmission from infectious to susceptible rainbow trout fry. *Journal of Aquatic Animal Health* 10(3):287-93.
Call Number: 98-048//FH
Notes: Article
- Becker Jr AJ, Kobbe L, Squibb KS, Krise WF. 1989. Comparative studies of macrophages in salmonids. *American Zoologist* 29:50A.
Call Number: 90-030//NF
Notes: Abstract
- Bemis WE, Kynard B. 1997. Sturgeon rivers: an introduction to acipenseriform biogeography and life history. *Environmental Biology of Fishes* 48(1-4):167-83.
Call Number: 97-080//TF
Notes: Article
- Bennett R, Ross R. 1993. Habitat use by newly hatched sea lampreys in the Upper Delaware River. in. 1993 Annual Meeting New York Chapter, American Fisheries Society Owego, New York.
Call Number: 93-027//NF
Notes: Abstract
- Bennett RM, Ross RM. 1995. Stream drift of newly hatched sea lampreys in the upper Delaware River. *Journal of the Pennsylvania Academy of Science* 69(1):7-9.
Call Number: 96-018//PY96//NF
Notes: Article
- Benson AJ, Krise WF, Ridell LA, Meade JW. 1990. Changes in hematology of lake trout in gas supersaturation after netting stress. in. 120th Annual Meeting of the American Fisheries Society Pittsburgh, Pennsylvania.
Call Number: 90-063//NF
Notes: Abstract

- Berish CW, Durbrow BR, Harrison JE, Jackson WA, Riitters KH. 1999. Conducting regional environmental assessments: The Southern Appalachian experience. [Pages 117-166]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.
Call Number: 98-060//SAL
Notes: Chapter
- Bern HA, McCormick SD, Kelley KM, Gray ES, Nishioka RS, Madsen SS, Tsai PI. 1992. Insulin-like growth factors "under water": role in growth and function of fish and other poikilothermic vertebrates. [Pages 85-96]. in: Spencer EM, editor. Modern Concepts of Insulin-like Growth Factors. New York, New York: Elsevier Press.
Call Number: 92-069//TF
Notes: Chapter
- Bertolini JM, Cipriano RC, Pyle SW, McLaughlin JJA. 1990. Serological investigation of the fish pathogen *Edwardsiella ictaluri*, cause of enteric septicemia of catfish. *Journal of Wildlife Diseases* 26(2):246-52.
Call Number: 90-040//FH
Notes: Article
- Blake SL, Schill WB, McAllister PE, Lee MK, Singer JT, Nicholson BL. 1995. Detection and identification of aquatic birnaviruses by PCR assay. *Journal of Clinical Microbiology* 33(4):835-9.
Call Number: 95-024//PY95//FH
Notes: Article
- Blazer V. 1997. Arsenic and dieldrin effects on macrophage function and macrophage aggregates after oral exposures. in: Clem LW, Warr GW, editors. 7th Congress of the International Society of Developmental and Comparative Immunology. Developmental and Comparative Immunology College of William and Mary, Williamsburg, Virginia. Great Britain: Pergamon .
Call Number: 97-015//FH
Notes: Abstract F6
- Blazer V, Stark K, Starliper C. 1996. Unusual histologic manifestations of *Flexibacter psychrophila* in hatchery salmonids. in. 21st Annual Eastern Fish Health Workshop Virginia Institute of Marine Science, Gloucester Point, Virginia.
Call Number: 96-082//PY96//FH
Notes: Abstract
- Blazer VS, Densmore C. 1998. Overview of the fish lesion/toxic dinoflagellate problems in the Chesapeake Bay. in. 23rd Annual Eastern Fish Health Workshop John Carver Inn, Plymouth, Massachusetts.
Call Number: 98-044//FH
Notes: Abstract
- Blazer VS, Densmore C. 1998. Recent fish lesion problems in the Chesapeake Bay: potential relationship to toxic dinoflagellates. in. First Russia - USA Symposium: Aquaculture and Fish Health: Program and Abstracts. Rybnoe, Dmitrov Region, Moscow Province, Russia. Moscow, Russia: Ministry of Agriculture and Foodstuffs of Russia, Department of Fishery, All-Russian Research Institute of Freshwater Fisheries//United States Department of the Interior, National Geological Survey, National Fish Health Research Laboratory.
Call Number: 98-078//FH
Notes: Abstract
- Blazer VS, Densmore C, Schrank CS. 1999. Reproductive problems in yellow perch from Lake Michigan. in. Proceedings of the 24th Annual Eastern Fish Health Workshop Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina.
Call Number: 99-015//FH
Notes: Abstract

- Blazer VS, Densmore CL, May E, Vogelbein W. 1998. Lesions observed in menhaden collected during fish kills and during other collections in tributaries of the Chesapeake Bay. in. Third International Symposium on Aquatic Animal Health Renaissance Harborplace Hotel. Baltimore, Maryland.
Call Number: 98-088//FH
Notes: Abstract SS1-1
- Blazer VS, Fabacher DL, Little EE. 1996. Histologic effects of ultraviolet-B irradiation on fish: comparison of a UVB-tolerant and a UVB-sensitive species. In. 1996 Meeting American Fisheries Society, Fish Health Section Madison, Wisconsin.
Call Number: 96-070//PY96//FH
Notes: Abstract
- Blazer VS, Facey DE, Fournie JW, Courtney LA, Summers JK, Macrophage aggregates as indicators of environmental stress. 1994 [Pages 169-186]. in: Stolen JS, Fletcher TC, Anderson DP, Zelikoff JT, Twerdok LE, Kaattari SL, Bayne CC, editors. Modulators of Fish Immune Response. Volume 1. Models for Environmental Toxicology, Biomarkers, Immunostimulators. Fair Haven, New Jersey: SOS Publications.
Call Number: 94-051//FH
Notes: Chapter
- Blazer VS, Faracher DL, Little EE, Ewing MS, Kocan KM. 1997. Effects of ultraviolet-B radiation on fish: histologic comparison of a UVB-sensitive and a UVB-tolerant species. Journal of Aquatic Animal Health 9:132-43.
Call Number: 97-020//FH
Notes: Article
- Blazer VS, Fournie JW. 1997. Macrophage aggregates: taking field hypotheses back to the laboratory. in. Developing the Tools to Meet the Nation's Monitoring Needs: The Evolution of EMAP. Abstracts. Third EMAP Research Symposium. Omni Albany Hotel, Albany, New York.
Call Number: 97-002//FH
Notes: Abstract
- Blazer VS, Fournie JW, Pritchard MK. 1995. Comparison of fish health assessment methods as indicators of contaminant stress. in. Platform Abstracts: EMAP Symposium: Monitoring, Assessment and Science Policy William and Ida Friday Continuing Education Center, University of North Carolina, Chapel Hill, North Carolina.
Call Number: 95-031//PY95//FH
Notes: Abstract
- Blazer VS, Fournie JW, Weeks-Perkins BA. 1997. Macrophage aggregates: biomarker for immune function in fishes? [Pages 360-375]. in: Dwyer FJ, Doane TR, Hinman ML, editors. Environmental Toxicology and Risk Assessment: Modeling and Risk Assessment. Volume Volume 6. Philadelphia, Pennsylvania: American Society for Testing and Materials. ASTM STP 1317.).
Call Number: 97-004//FH
Notes: Chapter
- Blazer VS, Higginbotham DL, Barrows R, Fournie JW. 1995. Effects of oral exposures to arsenic and dieldrin on macrophage function and serum factors in striped bass. in. 1995 Joint Meeting, Fish Health Section, American Fisheries Society and Eastern Fish Disease Workshop Syracuse, New York.
Call Number: 96-016//PY96//FH
Notes: Abstract
- Blazer VS, Higginbotham DL, Fournie JW. 1996. Serum factors as indicators of environmental stress: optimization of methodologies for striped bass serum. [Pages 443-457]. in: Stolen JS, Fletcher TC, Bayne CJ, Secombes CJ, Zelikoff JT, Twerdok LE, Anderson DP, editors. Modulators of Immune Responses: The Evolutionary Trail. Fair Haven, New Jersey: SOS Publications.

Call Number: 96-098//PY96//FH
Notes: Chapter

Blazer VS, Schmitt CJ, Tillitt DE, Kubiak TJ. 1997. Biomonitoring of environmental status and trends (BEST) program: testing and implementation of selected aquatic ecosystem indicators. in. American Fisheries Society/Fish Health Section Annual Meeting Juneau, Alaska.

Call Number: 97-011//FH
Notes: Abstract

Blazer VS, Schrank CS. 1995. Malignant lymphoma in black bullhead from Allouez Bay, Superior, Wisconsin, USA. *Diseases of Aquatic Organisms* 23:229-34.

Call Number: 96-004//PY96//FH
Notes: Article

Blazer VS, Stark K. 1995. *Cytophaga psychrophila* as a possible cause of cranial lesions in rainbow trout fingerlings. *IAAAM (International Association for Aquatic Animal Medicine) Proceedings* 26:40.

Call Number: 95-030//PY95//FH
Notes: Abstract

Blazer VS, Waldrop T, Schill B, Densmore C. 1999. Strain and species comparisons of susceptibility after controlled laboratory exposures to eastern triactinomyxons. in. 5th Annual Whirling Disease Symposium: Research and Management Perspectives Holiday Inn Parkside, Missoula, Montana. Bozeman, Montana: Whirling Disease Foundation.

Call Number: 99-008//FH
Notes: Conference Paper

Bodammer JE, Anderson DP, Dixon OW. 1990. Ultrastructure of the spleen and head kidney of striped bass. *Journal of Aquatic Animal Health* 2(3):182-93.

Call Number: 91-024//FH
Notes: Article

Bodensteiner LR, Sheenan RJ, Lewis WM, Wills PS, Herman R. 1993. Effects of repetitive formalin treatments on channel catfish juveniles. *Journal of Aquatic Animal Health* 5(1):59-63.

Call Number: 93-050//FH
Notes: Article

Bonzo J, Honeyfield DC. 1996. Identification of organic compounds in the water of a fish culture system. in. New York Academy of Sciences, Science Research Training Program, *Journal of Abstracts*.

Call Number: 97-023//NF
Notes: Abstract

Booke HE, Kreuger C, Simon R, Ihssen P, Bailey J, Friars G, Ritter J, Saunders R. 1992. Protocols for maintenance of genetic diversity in Atlantic salmon. [Pages 51-60]. in: Porter TR, editor. *Protocols for the Introduction and Transfer of Salmonids* Volume 92(24). St. John's, Newfoundland: North American Commission.

Call Number: 93-085//TF//FH
Notes: Report

Booke HE, O'Leary JA. 1991. Counting migratory fish with video. U.S. Fish and Wildlife Service, *Research Information Bulletin* 105:2 pages.

Call Number: 92-027//TF
Notes: RIB

Bowser PR, Casey JW, Quackenbush SL, Casey RN, Coll JA, Lofton L, Opitz HM, Bouchard D, Cipriano RC. 1999. Swim Bladder Sarcoma in Atlantic salmon: Epizootiology and current state of knowledge. in. *Proceedings of the 24th Annual Eastern Fish Health Workshop* Royal Pavilion Resort and Conference

Center, Atlantic Beach, North Carolina.
Call Number: 99-019//FH
Notes: Abstract

Boyd CE, Watten BJ, Goubier V, Wu R. 1994. Gas supersaturation in surface waters of aquaculture ponds. *Aquacultural Engineering* 13(1):31-9.
Call Number: 94-035//NF
Notes: Article

Boyd CE, Watten BJ, Schwartz MF. 1994. Feasibility of measuring dissolved carbon dioxide based on head-space partial pressures. in. *American Fisheries Society 124th Annual Meeting* Halifax, Nova Scotia.
Call Number: 94-099//PY95//NF
Notes: Abstract

Brown S, Wright G, Vilella M, Zajicek JL, Fitzsimons J, Tillitt DE, Honeyfield DC. 1999. Thiamine content in the prey of salmonids from the Great Lakes. in. *1999 ICES Annual Science Conference//87th Statutory Meeting//ICES CM 1999/U:10*. Stockholm, Sweden.
Call Number: 99-099//NF
Notes: Abstract

Brown SC, Honeyfield DC, Vandenbyllaardt L. 1998. Thiamine analysis in fish tissues. in: McDonald G, Fitzsimons JD, Honeyfield DC, editors. *American Fisheries Society Symposium 21* Dearborn, Michigan. Bethesda, Maryland: American Fisheries Society.
Call Number: 98-016//NF
Notes: Conference Paper

Buckel JA, Letcher BH, Conover DO. 1998. Effects of a delayed onset of piscivory on the size of age-0 bluefish. *Transactions of the American Fisheries Society* 127(4):576-87.
Call Number: 98-102//TF
Notes: Article

Budsberg SC, Gallo JM, Starliper CE, Shotts EB, Brown J. 1992. Comparison of cortical bone and serum concentrations of clindamycin achievable by direct local infusion and intravenous administration. *Journal of Orthopaedic Research* 9:594-9.
Call Number: 92-084//FH
Notes: Article

Bullock G, Blazer V, Tsukuda S, Summerfelt S. 1999. Toxicity of chitosan acetate for rainbow trout (*Oncorhynchus mykiss*) cultured in a recycle system. in. *Proceedings of the 24th Annual Eastern Fish Health Workshop* Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina.
Call Number: 99-024//FH
Notes: Abstract

Bullock G, Hankins J, Heinen J, Starliper C, Teska J. 1993. Qualitative and quantitative bacteriological studies on a fluidized sand biofilter used in a semiclosed trout culture system. U.S. Fish and Wildlife Service, *Biological Report* 17:15 pages.
Call Number: 94-001//FH
Notes: Report

Bullock G, Herman R, Heinen J, Noble A, Weber A, Hankins J. 1993. Observations on repeated bacterial gill disease outbreaks and amoeba gill infestation in rainbow trout (*Oncorhynchus mykiss*) in a recycle culture system. *American Fisheries Society, Fish Health Section Newsletter* 21(4):4-5.
Call Number: 94-010//FH
Notes: Article

- Bullock GL. 1989. Enteric redmouth disease. U.S. Fish and Wildlife Service, Fish Health Bulletin 4.
Call Number: 90-027//FH
Notes: Article
- Bullock GL. 1990. Bacterial gill disease of freshwater fishes. U.S. Fish and Wildlife Service, Fish Disease Leaflet 84:3 pages.
Call Number: 90-033//FH
Notes: Article
- Bullock GL. 1990. Furunculosis and other diseases caused by *Aeromonas salmonicida*. U.S. Fish and Wildlife Service, Fish Health Bulletin 5:5 pages.
Call Number: 90-031//FH
Notes: Article
- Bullock GL, Cipriano RC. 1990. Enteric redmouth disease of salmonids. U.S. Fish and Wildlife Service, Fish Disease Leaflet 82:5 pages.
Call Number: 90-029//FH
Notes: Article
- Bullock GL, Cipriano RC. 1997. Detection of *Aeromonas salmonicida* by culture and serodiagnostic assays following stress induced furunculosis tests. in. 22nd Annual Eastern Fish Health Workshop Royal Pavilion Resort, Atlantic Beach, North Carolina.
Call Number: 97-007//FH
Notes: Abstract
- Bullock GL, Cipriano RC, Kretschmann R. 1996. Further studies on carriage of *Aeromonas salmonicida* in asymptomatic rainbow trout cultured in a recycle system. In. 1996 Meeting American Fisheries Society, Fish Health Section Madison, Wisconsin.
Call Number: 96-072//PY96//FH
Notes: Abstract
- Bullock GL, Cipriano RC, Kretschmann R. 1996. Persistence of covert *Aeromonas salmonicida* infections among rainbow trout cultured in a recycle system. in. 21st Annual Eastern Fish Health Workshop Virginia Institute of Marine Science, Gloucester Point, Virginia.
Call Number: 96-081//PY96//FH
Notes: Abstract
- Bullock GL, Cipriano RC, Kretschmann R. 1996. Use of the stress induced furunculosis test to detect *Aeromonas salmonicida* in asymptomatic rainbow trout cultured in a recycle system. in. Aquavet Conference Proceedings: 20th Anniversary 1977-1996 Marine Biological Laboratory, Woods Hole, Massachusetts.
Call Number: 98-005//FH
Notes: Abstract
- Bullock GL, Cipriano RC, Schill WB. 1997. Culture and serodiagnostic detection of *Aeromonas salmonicida* from covertly-infected rainbow trout given the stress-induced furunculosis test. Biomedical Letters 55:169-77.
Call Number: 98-002//FH
Notes: Article
- Bullock GL, Herman R, Heinen J, Noble A, Weber A, Hankins J. 1994. Observations on the occurrence of bacterial gill disease and amoeba gill infestation in rainbow trout cultured in a water recirculation system. Journal of Aquatic Animal Health 6(4):310-7.
Call Number: 95-013//PY95//FH
Notes: Article
- Bullock GL, Herman RL, Waggy C. 1991. Hatchery efficacy trials with chloramine-T for control of bacterial kidney

- disease. *Journal of Aquatic Animal Health* 3(1):48-50.
Call Number: 91-077//FH
Notes: Article
- Bullock GL, Leek S. 1990. Dry diet may increase the prevalence of bacterial kidney disease in spring chinook salmon. U.S. Fish and Wildlife Service, Research Information Bulletin 25:2 pages.
Call Number: 90-056//FH
Notes: RIB
- Bullock GL, Leek SL, Stuckey HM, White G. 1992. A comparison of Abernathy dry diet and biomoist diet on prevalence of bacterial kidney disease in spring chinook salmon. in. National Workshop on Bacterial Kidney Disease Phoenix, Arizona.
Call Number: 92-074//FH
Notes: Abstract
- Bullock GL, Markiw ME. 1990. Current status of control procedures for bacterial kidney disease and Ichthyophthiriasis. in. Proceedings of the Atlantic Salmon Workshop U.S. Fish and Wildlife Service, Northeast Fishery Center, Rockport, Maine.
Call Number: 90-087//FH
Notes: Conference Paper
- Bullock GL, McCraren JP. 1989. Columnaris disease of fishes. U.S. Fish and Wildlife Service, Fish Health Bulletin 3.
Call Number: 90-024//FH//FC
Notes: Article
- Bullock GL, McCraren JP. 1990. Bacterial kidney disease of salmon and trout. U.S. Fish and Wildlife Service, Fish Health Bulletin 6.
Call Number: 90-038//FH
Notes: Article
- Bullock GL, Starliper CL. 1998. Current status of bacterial gill disease in cultured salmonids. in. First Russia - USA Symposium: Aquaculture and Fish Health: Program and Abstracts. Rybnoe, Dmitrov Region, Moscow Province, Russia. Moscow, Russia: Ministry of Agriculture and Foodstuffs of Russia, Department of Fishery, All-Russian Research Institute of Freshwater Fisheries//United States Department of the Interior, National Geological Survey, National Fish Health Research Laboratory.
Call Number: 98-080//FH
Notes: Abstract
- Buttner J, Chang P, Bowser P, Hetrick F, McAllister P, Nicholson B, Reno P. 1993. Detection of fish pathogens. *Journal of Shellfish Research* 12:106.
Call Number: 94-078//FH//PY94
Notes: Article
- Carey JB, McCormick SD. 1998. Atlantic salmon smolts are more responsive to an acute handling and confinement stress than parr. *Aquaculture* 168(1-4):237-53.
Call Number: 99-028//TF
Notes: Article
- Carlson RE, Anderson DP, Bodammer JE. 1993. In vivo cortisol administration suppresses the in vitro primary immune response of winter flounder lymphocytes. *Fish and Shellfish Immunology* 3(4):299-312.
Call Number: 93-092//FH
Notes: Article
- Castro-Santos T. 1996. A passive integrated transponder (PIT) tagging system for monitoring full-scale fishways. in.

- 52nd Annual Northeast Fish and Wildlife Conference Farmington, Connecticut.
Call Number: 96-094//PY96//TF
Notes: Abstract
- Castro-Santos T, Haro A, Walk S. 1996. A passive integrated transponder (PIT) tag system for monitoring fishways. *Fisheries Research* 28:253-61.
Call Number: 97-056//TF
Notes: Article
- Chapman PF, Cipriano RC, Teska JD. 1991. Isolation and phenotypic characterization of an oxidase-negative *Aeromonas salmonicida* causing furunculosis in coho salmon (*Oncorhynchus kisutch*). *Journal of Wildlife Diseases* 27(1):61-7.
Call Number: 92-080//FH
Notes: Article
- Ciembor PG, Blazer VS, Dawe D, Shotts EB. 1995. Susceptibility of channel catfish to infection with *Edwardsiella ictaluri*: effect of exposure method. *Journal of Aquatic Animal Health* 7:132-40.
Call Number: 95-091//PY96//FH
Notes: Article
- Cipriano RC. 1993. Considerations for the management of furunculosis through development of disease resistance in stocks of Atlantic salmon. in. Proceedings of the Atlantic salmon workshop Rockport, Maine. Lamar, Pennsylvania: Northeast Fishery Center.
Call Number: 95-038//PY95//FH
Notes: Conference Paper
- Cipriano RC. 1993. To risk or play it safe - what is best for smolt survival to adult [Pages 33-35]. in. Annual Report of the U. S. Atlantic Salmon Assessment Committee. Turners Falls, Massachusetts: U.S. Atlantic Salmon Assessment Committee. Report 5: 1992 Activities.
Call Number: 94-072//PY94//FH
Notes: Report
- Cipriano RC. 1995. *Aeromonas salmonicida* in asymptomatic rainbow trout. National Biological Service, NBS Information Bulletin 41:2 pages.
Call Number: 95-106//PY96//FH
Notes: NIB
- Cipriano RC. 1995. Significance of bacterial coldwater disease to the restoration of Atlantic salmon (*Salmo salar*) in the Connecticut River. in. Abstracts: 51st Annual Northeast Fish and Wildlife Conference Ocean City, Maryland.
Call Number: 95-021//PY95//FH
Notes: Abstract
- Cipriano RC. 1996. Infection of Atlantic sturgeon (*Acipenser oxyrinchus*) with the bacterial fish pathogen *Aeromonas salmonicida*, cause of furunculosis. in. 52nd Annual Northeast Fish and Wildlife Conference Farmington, Connecticut.
Call Number: 96-095//PY96//FH
Notes: Abstract
- Cipriano RC. 1997. Bacterial pathogens associated with eggs of Atlantic salmon. in. 22nd Annual Eastern Fish Health Workshop Royal Pavilion Resort, Atlantic Beach, North Carolina.
Call Number: 97-008//FH
Notes: Abstract

- Cipriano RC. 1997. Immunotherapy of sea-run Atlantic salmon (*Salmo salar*) against *Aeromonas salmonicida*. in: Clem LW, Warr GW, editors. 7th Congress of the International Society of Developmental and Comparative Immunology. Developmental and Comparative Immunology College of William and Mary, Williamsburg, Virginia. Great Britain: Pergamon .
Call Number: 97-016//FH
Notes: Abstract L7
- Cipriano RC. 1997. Strategies for management of furunculosis in Atlantic salmon effected by non-lethal detection of *Aeromonas salmonicida*: a review. Bulletin of the European Association of Fish Pathologists 17(6):215-9.
Call Number: 98-099//FH
Notes: Article
- Cipriano RC. 1998. Development of furunculosis-resistant strains of trout. in. First Russia - USA Symposium: Aquaculture and Fish Health: Program and Abstracts. Rybnoe, Dmitrov Region, Moscow Province, Russia. Moscow, Russia: Ministry of Agriculture and Foodstuffs of Russia, Department of Fishery, All-Russian Research Institute of Freshwater Fisheries//United States Department of the Interior, National Geological Survey, National Fish Health Research Laboratory.
Call Number: 98-082//FH
Notes: Abstract
- Cipriano RC. 1998. Principal bacterial and parasitic diseases of fishes in the Atlantic region of the United States. in. First Russia - USA Symposium: Aquaculture and Fish Health: Program and Abstracts. Rybnoe, Dmitrov Region, Moscow Province, Russia. Moscow, Russia: Ministry of Agriculture and Foodstuffs of Russia, Department of Fishery, All-Russian Research Institute of Freshwater Fisheries//United States Department of the Interior, National Geological Survey, National Fish Health Research Laboratory.
Call Number: 98-075//FH
Notes: Abstract
- Cipriano RC. 1998. Significance of *Yersinia ruckeri* and *Aeromonas salmonicida* among threatened stocks of Atlantic salmon from rivers in Maine. in. 23rd Annual Eastern Fish Health Workshop John Carver Inn, Plymouth, Massachusetts.
Call Number: 98-043//FH
Notes: Abstract
- Cipriano RC. 1999. Farmington River Atlantic salmon: analysis of a lost year class. in. Proceedings of the 24th Annual Eastern Fish Health Workshop Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina.
Call Number: 99-014//FH
Notes: Abstract
- Cipriano RC, editor. 1999. Proceedings of the 24th Annual Eastern Fish Health Workshop, Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina. 8-11 March 1999. Kearneysville, West Virginia: U. S. Geological Survey-Biological Resources Division, National Fish Health Research Laboratory.
Call Number: 99-037//FH
Notes: Book
- Cipriano RC, Bullock GL. 1990. *Aeromonas hydrophila* infections of fishes. U.S. Fish and Wildlife Service, Fish Health Bulletin 7.
Call Number: 90-039//FH
Notes: Article
- Cipriano RC, Bullock GL, Noble A. 1995. Nature of *Aeromonas salmonicida* carriage within asymptomatic rainbow trout (*Oncorhynchus mykiss*) maintained in a recirculating culture system using fluidized sand biofilters. in. 1995 Joint Meeting, American Fisheries Society Fish Health Section and Eastern Fish Disease Workshop Syracuse, New York.
Call Number: 95-100//PY96//FH

Notes: Abstract

- Cipriano RC, Bullock GL, Noble A. 1996. Nature of *Aeromonas salmonicida* carriage on asymptomatic rainbow trout maintained in a culture system with recirculating water and fluidized sand biofilters. *Journal of Aquatic Animal Health* 8:47-51.
Call Number: 96-033//PY96//FH
Notes: Article
- Cipriano RC, Bullock GL, Schill WB, Kretschmann R. 1996. Enhanced culture of *Aeromonas salmonicida* from covertly-infected rainbow trout following administration of the stress induced furunculosis test. *Biomedical Letters* 54:105-12.
Call Number: 97-032//FH
Notes: Article
- Cipriano RC, Coll J, Gaston P, King T. 1996. *Yersinia ruckeri*: significance to restoration of Atlantic salmon (*Salmo salar*) in the Penobscott River. In. 1996 Meeting American Fisheries Society, Fish Health Section Madison, Wisconsin.
Call Number: 96-075//PY96//FH//AE
Notes: Abstract
- Cipriano RC, Ford L, Schachte J, Petrie C. 1995. Investigations on the nature of procedures and protocols used to determine sites of carriage for *Aeromonas salmonicida*. in. 1995 Joint Meeting, American Fisheries Society Fish Health Section and Eastern Fish Disease Workshop Syracuse, New York.
Call Number: 95-099//PY96//FH
Notes: Abstract
- Cipriano RC, Ford LA. 1991. Topical disinfection of Atlantic salmon after early detection of *Aeromonas salmonicida*. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-058//FH
Notes: Abstract
- Cipriano RC, Ford LA. 1992. Reliable detection of *Aeromonas salmonicida* on fish mucus offers non-lethal alternative to diagnosis. U.S. Fish and Wildlife Service, Research Information Bulletin 49:2 pages.
Call Number: 93-074//FH
Notes: RIB
- Cipriano RC, Ford LA. 1993. Comparison of dilution counts with standard culture methods for the detection of *Aeromonas salmonicida* from clinical specimens. *Biomedical Letters* 48(190):145-50.
Call Number: 93-053//FH
Notes: Article
- Cipriano RC, Ford LA. 1993. Resistance of different salmonid fishes correlates with isolation of *Aeromonas salmonicida* from external mucus. National Biological Survey, Research Information Bulletin 99:2 pages.
Call Number: 94-009//FH
Notes: RIB
- Cipriano RC, Ford LA. 1994. Mucus as a source for reliable isolation of *Aeromonas salmonicida* from asymptomatic fish. National Biological Survey, Research Information Bulletin 35:2 pages.
Call Number: 94-076//FH//PY94
Notes: RIB
- Cipriano RC, Ford LA. 1995. Control of furunculosis by topical disinfection of fish externally infected with *Aeromonas salmonicida*. National Biological Service, NBS Information Bulletin 42:2 pages.

Call Number: 95-102//PY96//FH
Notes: NIB

Cipriano RC, Ford LA. 1998. Applied use of nonlethal monitoring for *Aeromonas salmonicida* to manage furunculosis in valuable Atlantic salmon. in. First Russia - USA Symposium: Aquaculture and Fish Health: Program and Abstracts. Rybnoe, Dmitrov Region, Moscow Province, Russia. Moscow, Russia: Ministry of Agriculture and Foodstuffs of Russia, Department of Fishery, All-Russian Research Institute of Freshwater Fisheries//United States Department of the Interior, National Geological Survey, National Fish Health Research Laboratory.
Call Number: 98-079//FH
Notes: Abstract

Cipriano RC, Ford LA, Howey R, Nelson T. 1991. Effect of coded wire tagging on the prevalence of the normal bacterial microflora and the fish pathogen, *Aeromonas salmonicida*. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-057//FH
Notes: Abstract

Cipriano RC, Ford LA, Jenson B, Nelson JT. 1994. Hatchery-based control of furunculosis by early detection of *Aeromonas salmonicida* in Atlantic salmon (*Salmo salar*). in. 1994 Eastern Fish Health Workshop Blacksburg, Virginia.
Call Number: 94-083//PY95//FH
Notes: Abstract 24

Cipriano RC, Ford LA, Jenson B, Nelson JT. 1994. Investigations on infection of Atlantic salmon (*Salmo salar*) with *Cytophaga psychrophila*, cause of bacterial coldwater disease. in. 1994 Eastern Fish Health Workshop Blacksburg, Virginia.
Call Number: 94-084//FH//PY94
Notes: Abstract 27

Cipriano RC, Ford LA, Jones TE. 1994. Relationship between resistance of salmonids to furunculosis and recovery of *Aeromonas salmonicida* from external mucus. *Journal of Wildlife Diseases* 30(4):577-80.
Call Number: 95-010//PY95//FH
Notes: Article

Cipriano RC, Ford LA, Nelson JT, Jenson B. 1993. Early detection and control of furunculosis in an Atlantic salmon production hatchery. in. Proceedings of the Atlantic salmon workshop Rockport, Maine. Lamar, Pennsylvania: Northeast Fishery Center.
Call Number: 95-037//PY95//FH
Notes: Conference Paper

Cipriano RC, Ford LA, Nelson JT, Jenson BN. 1996. Monitoring for early detection of *Aeromonas salmonicida* to enhance antibiotic therapy and control furunculosis in Atlantic salmon. *Progressive Fish-Culturist* 58:203-8.
Call Number: 96-069//PY96//FH
Notes: Article

Cipriano RC, Ford LA, Schachte JH, Petrie C. 1994. Evaluation of mucus as a valid site to isolate *Aeromonas salmonicida* among asymptomatic populations of lake trout (*Salvelinus namaycush*). *Biomedical Letters* 49(195):229-33.
Call Number: 94-088//PY95//FH
Notes: Article

Cipriano RC, Ford LA, Smith DR, Schachte JH, Petrie CJ. 1997. Differences in detection of *Aeromonas*

- salmonicida* in covertly infected salmonid fishes by the stress-inducible furunculosis test and culture-based assays. *Journal of Aquatic Animal Health* 9:108-13.
Call Number: 97-021//FH//AE
Notes: Article
- Cipriano RC, Ford LA, Starliper CE, Teska JD, Nelson JT, Jensen BN. 1996. Control of external *Aeromonas salmonicida*: topical disinfection of salmonids with Chloramine-T. *Journal of Aquatic Animal Health* 8:52-7.
Call Number: 96-034//PY96//FH
Notes: Article
- Cipriano RC, Ford LA, Teska JD. 1992. Pathogen detection by non-lethal techniques. in. Abstracts: East Coast Trout Management and Culture Workshop Penn State University, University Park, Pennsylvania.
Call Number: 92-076//FH
Notes: Abstract
- Cipriano RC, Ford LA, Teska JD. 1993. Low survival rate of Atlantic salmon eggs believed due to *Cytophaga psychrophila*. *National Biological Survey, Research Information Bulletin* 100:2 pages.
Call Number: 94-008//FH
Notes: RIB
- Cipriano RC, Ford LA, Teska JD. 1994. Practical detection and control of *Aeromonas salmonicida* among migrating and post-spawning populations of salmon. in. 1994 Eastern Fish Health Workshop Blacksburg, Virginia.
Call Number: 94-082//FH//PY94
Notes: Abstract 23
- Cipriano RC, Ford LA, Teska JD. 1995. Association of *Cytophaga psychrophila* with mortality among eyed eggs of Atlantic salmon (*Salmo salar*). *Journal of Wildlife Diseases* 31(2):166-71.
Call Number: 95-032//PY95//FH
Notes: Article
- Cipriano RC, Ford LA, Teska JD. 1995. Nonlethal procedures for detecting and monitoring furunculosis in salmon. *National Biological Service, NBS Information Bulletin* 40:2 pages.
Call Number: 95-107//PY96//FH
Notes: NIB
- Cipriano RC, Ford LA, Teska JD, Hale L. 1991. Evaluation of mucus as a site for the non-lethal detection of *Aeromonas salmonicida*. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-056//FH
Notes: Abstract
- Cipriano RC, Ford LA, Teska JD, Hale LE. 1992. Detection of *Aeromonas salmonicida* in the mucus of salmonid fishes. *Journal of Aquatic Animal Health* 4(2):114-8.
Call Number: 92-075//FH
Notes: Article
- Cipriano RC, Ford LA, Teska JD, Schachte JH, Petrie C, Novak BM, Flint DE. 1996. Use of non-lethal procedures to detect and monitor *Aeromonas salmonicida* in potentially endangered or threatened populations of migrating and post-spawning salmon. *Diseases of Aquatic Organisms* 27:233-6.
Call Number: 97-048//FH
Notes: Article
- Cipriano RC, Gaston P, Trasko F. 1996. Investigations on an outbreak of enteric redmouth disease in an Atlantic

- salmon production hatchery. in. 21st Annual Eastern Fish Health Workshop Virginia Institute of Marine Science, Gloucester Point, Virginia.
Call Number: 96-083//PY96//FH
Notes: Abstract
- Cipriano RC, Guseva NV, Ford LA, Youkchimenko LN. 1995. Immunological response of the brook trout on vaccination against *A. salmonicida* infection with furogen and VYS-2. In. Diseases of Fish and Shellfish: 7th International Conference European Association of Fish Pathologist Palma de Mallorca, Spain.
Call Number: 96-007//PY96//FH
Notes: Abstract
- Cipriano RC, Ottinger C. 1999. Immune response of Atlantic salmon to particulate-adsorbed extracellular proteins of *Aeromonas salmonicida*. in. Proceedings of the 24th Annual Eastern Fish Health Workshop Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina.
Call Number: 99-016//FH
Notes: Abstract
- Cipriano RC, Schill WB. 1994. Characterization of *Cytophaga psychrophila* obtained from epizootics of cold-water disease among Pacific salmon. National Biological Survey, Research Information Bulletin 44:2 pages.
Call Number: 94-070//PY94//FH
Notes: RIB
- Cipriano RC, Schill WB, Teska JD, Ford LA. 1996. Epizootiological study of bacterial cold-water disease in Pacific salmon and further characterization of the etiologic agent, *Flexibacter psychrophila*. Journal of Aquatic Animal Health 8:28-36.
Call Number: 96-032//PY96//FH
Notes: Article
- Cipriano RC, Shchelkunov I. 1998. Aquaculture and Fish Health 1998, The First Bilateral Symposium on Fish Diseases Between Russia and the USA. Bulletin of the European Association of Fish Pathologists 18(5):149-56,172.
Call Number: 99-029//FH
Notes: Article
- Cipriano RC, Shchelkunov IS, editors. 1998. First Russia - USA Symposium: Aquaculture and Fish Health: Program and Abstracts. Moscow, Russia: Ministry of Agriculture and Foodstuffs of Russia, Department of Fishery, All-Russian Research Institute of Freshwater Fisheries//United States Department of the Interior, National Geological Survey, National Fish Health Research Laboratory.
Call Number: 98-085//FH
Notes: Book
- Cipriano RC, Starliper CE, Teska JD. 1991. Case study on the investigations of salmonids at the White Sulfur Springs National Fish Hatchery for *Renibacterium salmoninarum*. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-069//FH
Notes: Abstract
- Cipriano RC, Teska JD. 1994. Effects of medium composition on the growth of two fish pathogens, *Cytophaga columnaris* and *Cytophaga psychrophila*. Biomedical Letters 49(193):7-12.
Call Number: 94-030//FH
Notes: Article
- Cipriano RC, Teska JD. 1994. Media composition has little effect on growth of two fish pathogens, *Cytophaga columnaris* and *Cytophaga psychrophila*. National Biological Survey, Research Information Bulletin 36:2

pages.

Call Number: 94-077//PY94//FH

Notes: RIB

Cipriano RC, Teska JD, Ford LA, Hale L. 1991. Isolation and characterization of *Cytophaga psychrophila*, etiologic agent of coldwater disease. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.

Call Number: 91-064//FH

Notes: Abstract

Clark JD, Brandenburg DM. 1997. Studying black bears in the Okefenokee: A "down-on-all-fours" field report. People, Land and Water 4(9):14.

Call Number: 98-101//SAL

Notes: Article

Clark JD, Harvey MJ. 1997. Imperiled mammalian fauna of aquatic ecosystems in the Southeast: a management perspective. [Pages 357-374]. in: Benz GW, Collins DE, editors. Aquatic Fauna in Peril: The southeastern perspective. Decatur, GA: Lenz Design and Communications.

Call Number: 98-054//SAL

Notes: Chapter

Clark JD, Hayes SG, Pledger JM. 1998. A female black bear denning habitat model using a geographic information system. Ursus 10:181-5.

Call Number: 98-050//SAL

Notes: Article

Clark JD, Pelton MR. 1999. Management of a large carnivore: black bear. [Pages 209-223]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.

Call Number: 98-056//SAL

Notes: Chapter

Clarke WC, Saunders RL, McCormick SD. 1996. Smolt production. [Pages 517-567]. in: Pennell W, Barton BA, editors. Principles of Salmonid Culture. New York, N.Y.: Elsevier.

Call Number: 97-081//TF

Notes: Chapter

Cole M, Arnold D, Ross R, Watten B. 1997. Laboratory biological testing of new acid mine drainage treatment technology provides support for field applications. Slate Run Tackle Shop Newsletter :17-8.

Call Number: 97-034//NF

Notes: Article

Cole M, Arnold D, Ross R, Watten B. 1997. New acid mine drainage treatment technology shows promise. The Pine Creek Observer April:3, 5.

Call Number: 97-027//NF

Notes: Article

Cole MB, Arnold DE, Watten BJ Physiological and behavioral responses by larval *Plecopterans* to enhanced limestone treatment of acid mine drainage. in: Majumdar SK, editor. 74th Annual Meeting of the Pennsylvania Academy of Science Radisson Hotel, Monroeville, Pennsylvania. Harrisburg, Pennsylvania.

Call Number: 98-008//RT

Notes: Abstract

Cole MB, Arnold DE, Watten BJ Responses by selected stream fishes and macroinvertebrates to enhanced limestone

- treatment of acid mine drainage. in. 54th Annual Northeast Fish and Wildlife Conference: AbstractsCamp Hill, Pennsylvania. Pennsylvania Game Commission//Pennsylvania Fish and Boat Commission.
Call Number: 98-006//RT
Notes: Abstract
- Colura RL, King TL. 1995. Using scale and otolith morphologies to separate spotted seatrout (*Cynoscion nebulosus*) collected from two areas within Galveston Bay [Pages 617-628]. in: Secor DH, Dean JM, Campana SE, editors. Recent developments in fish otolith research. Columbia, South Carolina: University of South Carolina. Belle W. Baruch Library in Marine Science; 19).
Call Number: 95-083//PY95//AE
Notes: Chapter
- Colura RL, Maciorowski AF, Henderson-Arzapalo A. 1990. Induced spawning of spotted seatrout with selected hormone preparations. *Progressive Fish-Culturist* 52(3):205-7.
Call Number: 91-029//FC
Notes: Article
- Conroy MJ, Smith DR. 1994. Designing large-scale surveys of wildlife abundance and diversity using statistical sampling principles. *Transactions of the North American Wildlife and Natural Resources Conference* 59:159-69.
Call Number: 95-062//PY95//AE
Notes: Article
- Cooper RK, Starliper CE, McDonough K. 1996. Laboratory evaluation of a DNA probe to detect a Romet-resistance gene in *Aeromonas salmonicida*. in. 21st Annual Eastern Fish Health WorkshopVirginia Institute of Marine Science, Gloucester Point, Virginia.
Call Number: 96-089//PY96//FH
Notes: Abstract
- Cooper RK, Starliper CE, Shotts EB. 1990. Analysis of romet resistant plasmids recovered from *Edwardsiella ictaluri*. in. Program and Proceedings: Annual Meeting Southeastern Branch, American Society for MicrobiologyClearwater Beach, Florida.
Call Number: 91-104//FH
Notes: Abstract
- Cooper RK, Starliper CE, Shotts JrEB, Taylor PW. 1993. Comparison of plasmids isolated from Romet-30-resistant *Edwardsiella ictaluri* and tribrissen-resistant *Escherichia coli*. *Journal of Aquatic Animal Health* 5(1):9-15.
Call Number: 93-048//FH
Notes: Article
- Dees CS, Clark JD, van Manen FT. 1999. Florida panther habitat use in reponse to prescribed fire at Florida Panther National Wildlife Refuge and Big Cypress National Preserve. University of Tennessee: Knoxville, Tennessee.
Call Number: 99-086//SAL
Notes: Report
- Densmore C, Blazer V. 1998. Characterization of lesions of Atlantic menhaden from the Pocomoke River. in. 23rd Annual Eastern Fish Health WorkshopJohn Carver Inn, Plymouth, Massachusetts.
Call Number: 98-045//FH
Notes: Abstract
- Densmore C, Blazer V, Waldrop T. 1999. Peripheral blood cytology of juvenile salmonids exposed to *Myxobolus cerebralis* spores by parenteral injection. in. 5th Annual Whirling Disease Symposium: Research and Management PerspectivesHoliday Inn Parkside, Missoula, Montana. Bozeman, Montana: Whirling Disease Foundation.

Call Number: 99-011//FH
Notes: Conference Paper

Densmore C, Blazer V, Waldrop T, Schill B. 1999. Physiological and morphological parameters of juvenile rainbow trout infected with *Myxobolus cerebralis*. in. 5th Annual Whirling Disease Symposium: Research and Management Perspectives Holiday Inn Parkside, Missoula, Montana. Bozeman, Montana: Whirling Disease Foundation.

Call Number: 99-007//FH
Notes: Conference Paper

Densmore CL, Blazer VS, Waldrop TB. 1998. Peripheral blood cytology of rainbow trout fingerlings exposed to *Myxobolus cerebralis* spores by parenteral injection. in. Third International Symposium on Aquatic Animal Health Renaissance Harborplace Hotel. Baltimore, Maryland.

Call Number: 98-093//FH
Notes: Abstract P-84

Densmore CL, Blazer VS, Waldrop TB. 1999. Whirling disease in rainbow trout: histology, hematology, and growth-related parameters. in: Arkush KD, Editor. Proceedings: 30th Annual International Association for Aquatic Animal Medicine Boston, Massachusetts. Bodega Bay, California: International Association for Aquatic Animal Medicine.

Call Number: 99-59//FH
Notes: Abstract

Densmore CL, Robertson JL, Smith SA, Ford LA. 1995. Gastrointestinal transmission of *Renibacterium salmoninarum*: an analysis of disease progression and comparative pathology. IAAAM (International Association for Aquatic Animal Medicine) Proceedings 26:52.

Call Number: 95-034//PY95//FH
Notes: Abstract

Densmore CL, Robertson JL, Smith SA, Ford LA. 1995. Gastrointestinal transmission of *Renibacterium salmoninarum*: an analysis of disease progression and comparative pathology. in. 1995 Joint Meeting, American Fisheries Society Fish Health Section and Eastern Fish Disease Workshop Syracuse, New York.

Call Number: 95-095//PY96//FH
Notes: Abstract

Densmore CL, Smith SA, Holladay SD. 1997. *In vitro* effects of the extracellular protein of *Renibacterium salmoninarum* on phagocyte function in brook trout (*Salvelinus fontinalis*). in. American Fisheries Society/Fish Health Section Annual Meeting Juneau, Alaska.

Call Number: 97-064//FH
Notes: Abstract

Densmore CL, Starliper CE, Ford LA, Cipriano RC. 1995. Environmental factors affecting *Renibacterium salmoninarum* prevalence in two populations of Chinook salmon. IAAAM (International Association for Aquatic Animal Medicine) Proceedings 26:11-2.

Call Number: 95-035//PY95//FH
Notes: Abstract

Densmore CL, Starliper CE, Ford LA, Cipriano RC. 1995. Environmental factors affecting *Renibacterium salmoninarum* prevalence in two populations of Chinook salmon. in. 1995 Joint Meeting, American Fisheries Society Fish Health Section and Eastern Fish Disease Workshop Syracuse, New York.

Call Number: 95-096//PY96//FH
Notes: Abstract

DeYonge KG, Roeder RA, Garber MJ, Lellis WA, Honeyfield DC, Bull RC, Schelling GT, Byatt JC. 1994. Dose-response effects of recombinant bovine somatotropin (Posilac) on growth performance and body

- composition of rainbow trout (*Oncorhynchus mykiss*). Journal of Animal Science 72(Supplement 1):200.
Call Number: 94-111//PY95//NF
Notes: Abstract
- DiLauro M. 1995. Cryopreservation of lake sturgeon sperm. in: Lowie C, Krise W, editors. Proceedings of the Workshop for the Conservation and Management of Lake Sturgeon in the Great Lakes: Problems and Perspectives, Issues and Concerns Niagara Falls, New York. Amherst, New York: U.S. Fish and Wildlife Service, Lower Great Lakes Fishery Resources Office.
Call Number: 96-052//PY96//NF
Notes: Abstract
- DiLauro MN. 1998. Renewal of voluntary feeding of wild-caught Atlantic sturgeon juveniles in captivity. Progressive Fish-Culturist 60(4):311-4.
Call Number: 99-052//NF
Notes: Article
- DiLauro MN. 1999. Fish species composition in two second-order headwater streams in the North Central Appalachian ecoregion. in. Fifty-fifth Annual Northeast Fish and Wildlife Conference Abstracts: Looking ahead: Fish and Wildlife Management in the 21st Century New Hampshire Fish and Game Department, Manchester, New Hampshire. Concord, New Hampshire: New Hampshire Fish and Game Department.
Call Number: 99-043/NF
Notes: Abstract
- DiLauro MN, Kabood W, Walsh RA. 1998. Ultrastructure and morphology of the lake sturgeon sperm cell. in. 54th Annual Northeast Fish and Wildlife Conference: Abstracts Camp Hill, Pennsylvania. Pennsylvania Game Commission//Pennsylvania Fish and Boat Commission.
Call Number: 98-020//NF
Notes: Abstract
- DiLauro MN, Kaboord W, Walsh RA. 1996. Ultrastructure of the Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus* Mitchill) sperm cell. in. 52nd Annual Northeast Fish and Wildlife Conference Farmington, Connecticut.
Call Number: 96-097//PY96//NF
Notes: Abstract
- DiLauro MN, Kaboord W, Walsh RA. 1997. External morphology and ultrastructure of the shortnose sturgeon sperm cell. in. Abstracts: 53rd Annual Northeast Fish and Wildlife Conference Framingham, Massachusetts.
Call Number: 97-036//NF
Notes: Abstract
- DiLauro MN, Kaboord W, Walsh RA, Krise WF, Hendrix MA. 1998. Sperm-cell ultrastructure of North American sturgeons. I. The Atlantic sturgeon (*Acipenser oxyrinchus*). Canadian Journal of Zoology 76(10):1822-36.
Call Number: 99-081//NF
Notes: Article
- DiLauro MN, Kaboord WS, Walsh RA. 1999. Sperm-cell ultrastructure of North American sturgeons. II. The shortnose sturgeon (*Acipenser brevirostrum*, Lesueur, 1818). Canadian Journal of Zoology 77(2):321-30.
Call Number: 99-080//NF
Notes: Article
- DiLauro MN, Krise WF. 1993. External morphology of Atlantic sturgeon and lake sturgeon sperm cells. in. Abstracts: 49th Annual Northeast Fish and Wildlife Conference Atlantic City, New Jersey.
Call Number: 93-063//NF

Notes: Abstract

- DiLauro MN, Krise WF, Fynn-Aikins K. 1994. Larval diet studies in rearing of lake sturgeon for restoration. Midwest Tribal Aquaculture Network Newsletter 7(March):15-6.
Call Number: 94-126//NF//TL
Notes: Article
- DiLauro MN, Krise WF, Fynn-Aikins K. 1998. Growth and survival of lake sturgeon larvae fed formulated diets. Progressive Fish-Culturist 60(4):293-6.
Call Number: 99-051//NF
Notes: Article
- DiLauro MN, Krise WF, Hendrix MA, Baker SE. 1994. Short-term cold storage of Atlantic sturgeon sperm. Progressive Fish-Culturist 56(143-144).
Call Number: 94-058//NF
Notes: Article
- DiLauro MN, Krise WF, Hendrix MA, Baker SE. 1995. Short-term cold storage of Atlantic sturgeon sperm. Sturgeon Quarterly 3(2):3.
Call Number: 95-057//PY95//NF
Notes: Article
- DiLauro N, Krise WF, Fynn-Aikins K. 1994. Larval diet studies in rearing of lake sturgeon for restoration. in. Abstracts: 50th Annual Northeast Fish and Wildlife Conference Sheraton-Burlington Hotel and Conference Center, Burlington, Vermont.
Call Number: 94-060//NF//TL
Notes: Abstract
- Dorazio RM. 1992. Pre-release stratification in tag-recovery models. in. Abstracts: Emergency Striped Bass Study Annual Workshop Norfolk, Virginia. National Oceanic and Atmospheric Administration and U.S. Fish and Wildlife Service.
Call Number: 92-092//FC
Notes: Abstract
- Dorazio RM. 1992. Survival and recovery rates of Atlantic striped bass estimated from recoveries of fish tagged during 1986-1991. in. 48th Annual Northeast Fish and Wildlife Conference. Abstracts: Cooperative Interstate Striped Bass Research and Management. Waterside Convention Center, Norfolk, Virginia.
Call Number: 92-091//FC
Notes: Abstract
- Dorazio RM. 1993. Estimation of tag reporting, exploitation, and fishing mortality in Maryland's recreational fishery during fall 1992. A Report to the Striped Bass Technical Committee, Atlantic States Marine Fisheries Commission.
Call Number: 93-071//FC
Notes: Report
- Dorazio RM. 1993. Pre-release stratification in tag-recovery models with time dependence. Canadian Journal of Fisheries and Aquatic Sciences 50(3):535-41.
Call Number: 93-086//FC
Notes: Article
- Dorazio RM. 1993. The difficulties of interpreting region-specific rates of tag recovery. Washington, D. C.: Striped Bass Stock Assessment Subcommittee, Atlantic States Marine Fisheries Commission.
Call Number: 94-117//AE
Notes: Report

- Dorazio RM. 1993. Tag-recovery estimates of survival of striped bass released from eastern Long Island, New York during 1987 - 1991. Washington, D. C.: Striped Bass Stock Assessment Subcommittee, Atlantic States Marine Fisheries Commission.
Call Number: 94-118//AE
Notes: Report
- Dorazio RM. 1995. Mortality estimates of striped bass caught in Albemarle Sound and Roanoke River, North Carolina. *North American Journal of Fisheries Management* 15:290-9.
Call Number: 95-087//PY96//AE
Notes: Article
- Dorazio RM, Florence BM, Wooley CM. 1991. Stocking of hatchery-reared striped bass in the Patuxent River, Maryland: survival, relative abundance, and cost-effectiveness. *North American Journal of Fisheries Management* 11(3):435-42.
Call Number: 92-011//FC
Notes: Article
- Dorazio RM, Hattala KA, McCollough CB, Skjveland JE. 1994. Tag recovery estimates of migration of striped bass from spawning areas of the Chesapeake Bay. *Transactions of the American Fisheries Society* 123(6):950-63.
Call Number: 95-016//PY95//FC
Notes: Article
- Dorazio RM, Rago PJ. 1991. Evaluation of a mark-recapture method for estimating mortality and migration rates of stratified populations. *Canadian Journal of Fisheries and Aquatic Sciences* 48(2):154-60.
Call Number: 91-034//FC
Notes: Article
- Dropkin D, Johnson J. 1993. Cover use by a headwater-stream fish community in Northcentral Pennsylvania. in. 1993 Annual Meeting New York Chapter, American Fisheries SocietyOwego, New York.
Call Number: 93-028//NF
Notes: Abstract
- Dropkin DS. 1990. Summer food habits of the spotfin shiner, mimic shiner and juvenile fallfish in the Susquehanna River. in. 120th Annual Meeting of the American Fisheries SocietyPittsburgh, Pennsylvania.
Call Number: 90-069//NF
Notes: Abstract
- Dropkin DS, Johnson JH. 1991. An evaluation of fin clipping and immersion dyes as marking techniques for cyprinids. In. Abstracts, Contributed Papers and Posters: 1991 Annual Meeting New York Chapter, American Fisheries SocietyOwego, New York.
Call Number: 91-037//NF
Notes: Abstract
- Dropkin DS, Johnson JH. 1992. Diel feeding ecology of the fish community of the Juniata River, Pennsylvania. in. New York State Chapter, American Fisheries SocietyOwego, New York.
Call Number: 92-039//NF
Notes: Abstract
- Dropkin DS, Johnson JH. 1995. Prehatch embryology of lake sturgeon. in. *Fisheries Management in the Northeast: Past, Present and Future*. Abstracts: Annual Meeting New York Chapter, American Fisheries SocietyOswego, New York.
Call Number: 95-027//PY95//NF
Notes: Abstract

- Dropkin DS, Johnson JH, Andrews B, LaPan S. 1994. Comparative age estimation of Atlantic sturgeon and lake sturgeon using fin ray sections. in. Abstracts: Natural Resources Management in New York: Cross-disciplinary Perspectives. 1994 Joint Annual Meeting New York Chapters of the Wildlife Society/American Fisheries SocietyOwego, New York.
Call Number: 94-037//NF
Notes: Abstract
- Dunn HL, Vilella R, Farris J, Gatenby C, Waller D. 1999. Guidelines techniques for freshwater unionids. in. Program Guide & Abstracts The First Symposium of the Freshwater Mollusk Conservation Society. Musseling in on Biodiversity.Clarion Hotel. Chattanooga, TN.
Call Number: 99-077/AE
Notes: Abstract
- Ellenberger SA, Baumann PC, May TW. 1994. Evaluation of effects caused by high copper concentrations in Torch Lake, Michigan, on reproduction of yellow perch. Journal of Great Lakes Research 20(3):531-6.
Call Number: 95-041//PY95//FH
Notes: Article
- Elliott DG, Pascho RJ, Bullock GL. 1989. Developments in the control of bacterial kidney disease of salmonid fishes. Diseases of Aquatic Organisms 6(3):201-15.
Call Number: 90-011//FH
Notes: Article
- Ewing MS, Black MC, Blazer VS, Kocan KM. 1994. Plasma chloride and gill epithelial response of channel catfish to infection with *Ichthyophthirius multifiliis*. Journal of Aquatic Animal Health 6(3):187-96.
Call Number: 94-094//PY95//FH
Notes: Article
- Ewing MS, Blazer VS, Fabacher DL, Little EE, Kocan KM. 1998. Ultraviolet-B radiation effects of freshwater fish: epithelial responses of three species. in. Third International Symposium on Aquatic Animal HealthRenaissance Harborplace Hotel. Baltimore, Maryland.
Call Number: 98-091//FH
Notes: Abstract S28-3
- Ewing MS, Blazer VS, Fabacher DL, Little EE, Kocan KM. 1999. Channel catfish response to ultraviolet-B radiation. Journal of Aquatic Animal Health 11(2):192-7.
Call Number: 99-089//FH
Notes: Article
- Ewing MS, Kocan KM, Blazer VS, Fabacher DL, Little EE. 1996. Ultrastructure of sacciform cells in UV-B tolerant razorback suckers. In. 1996 Meeting American Fisheries Society, Fish Health SectionMadison, Wisconsin.
Call Number: 96-071//PY96//FH
Notes: Abstract
- FitzGerald LM, Hughes SG. 1993. Development of olfactory patches in larval striped bass. in. Abstracts: 49th Annual Northeast Fish and Wildlife ConferenceAtlantic City, New Jersey.
Call Number: 93-057//TL
Notes: Abstract
- Fitzsimons JD, Brown SB, Honeyfield DC, Hnath JG. 1999. A review of early mortality syndrome (EMS) in Great Lakes salmonids: relationship with thiamine deficiency. Ambio 28(1):9-15.
Call Number: 99-054//NF
Notes: Article
- Fitzsimons JD, Zajicek JL, Tillitt DE, Brown S, Honeyfield D. 1999. Factors affecting the thiamine destroying

- ability of alewives and implications to salmonid reproduction. in. American Fisheries Society 129th Annual Meeting: Integrating Fisheries Principles From Mountain to Marine Habitats Charlotte, North Carolina.
Call Number: 99-097//NF
Notes: Abstract
- Fletcher JW, Carta AC, Watten BJ. 1999. An automated laboratory to study the influence of various dissolved oxygen regimes upon fish. in. Fifty-fifth Annual Northeast Fish and Wildlife Conference Abstracts: Looking ahead: Fish and Wildlife Management in the 21st Century New Hampshire Fish and Game Department, Manchester, New Hampshire. Concord, New Hampshire: New Hampshire Fish and Game Department.
Call Number: 99-045//RT
Notes: Abstract
- Folmar LC, Harshbarger J, Baumann PC, Gardner G, Bonomelli S. 1995. Pathological and serum chemistry profiles of brown bullheads (*Ameiurus nebulosus*). Bulletin of Environmental Contamination and Toxicology 54:50-9.
Call Number: 95-042//PY95//FH
Notes: Article
- Foott JS, Starliper CE, Walker RL, Junell D. 1992. *Pseudomonas* isolates give positive direct fluorescent antibody test using *Renibacterium salmoninarum* antisera. American Fisheries Society, Fish Health Section Newsletter 20(1):2-3.
Call Number: 92-071//FH
Notes: Article
- Ford LA. 1991. S-layer positive motile aeromonads isolated from channel catfish. Journal of Wildlife Diseases 27(4):557-61.
Call Number: 92-013//FH
Notes: Article
- Ford LA. 1992. Host defense mechanisms of Cephalopods. Annual Review of Fish Diseases 2:15-41.
Call Number: 92-078//FH
Notes: Article
- Ford LA. 1992. Water filtration method for detection of *Aeromonas salmonicida*: Applications to management of Atlantic salmon broodstock. in. Eastern Fish Health Section and American Fisheries Society, Fish Health Section Workshop Auburn University Hotel and Conference Center, Auburn, Alabama.
Call Number: 92-058//FH
Notes: Abstract
- Ford LA. 1994. Detection of *Aeromonas salmonicida* from water using filtration method. Aquaculture 122(1):1-7.
Call Number: 94-047//FH
Notes: Article
- Ford LA. 1996. Health management: Atlantic salmon restoration effort. Women in Natural Resources 17(3):27-33.
Call Number: 96-103//PY96//FH
Notes: Article
- Ford LA, Baker CR. 1993. Bacterial populations in water from Atlantic salmon broodstock facilities. in. Proceedings of the Atlantic salmon workshop Rockport, Maine. Lamar, Pennsylvania: Northeast Fishery Center.
Call Number: 95-039//PY95//FH
Notes: Conference Paper
- Ford LA, Baker CR. 1995. Significance of early, non-lethal detection of *Cytophaga columnaris* at an Atlantic

- salmon broodstock station. IAAAM (International Association for Aquatic Medicine) Proceedings 26:76.
Call Number: 95-036//PY95//FH
Notes: Abstract
- Ford LA, Barbash PA, Cipriano RC. 1998. Control of furunculosis and enteric redmouth disease in sea-run Atlantic salmon broodstock in the Connecticut and Merrimack Rivers. *Progressive Fish-Culturist* 60(2):88-94.
Call Number: 99-056//FH
Notes: Article
- Ford LA, Cipriano RC. 1991. Efficiency of dilution plate counts for the recovery of *Aeromonas salmonicida* from infected fish. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-065//FH
Notes: Abstract
- Ford LA, Cipriano RC. 1991. Evaluation of the immune response of Atlantic salmon to *Aeromonas salmonicida* and *Yersinia ruckeri*. IAAAM (International Association for Aquatic Animal Medicine) Proceedings 22:142-4.
Call Number: 92-037//FH
Notes: Article
- Ford LA, Cipriano RC. 1991. Status of the immune response of Atlantic salmon broodstock to *Aeromonas salmonicida* and *Yersinia ruckeri*. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-059//FH
Notes: Abstract
- Ford LA, Cipriano RC. 1992. Agglutinin response of Atlantic salmon to *Aeromonas salmonicida* and *Yersinia ruckeri*. U.S. Fish and Wildlife Service, Research Information Bulletin 96:2 pages.
Call Number: 93-076//FH
Notes: RIB
- Ford LA, Cipriano RC. 1992. Immune responses of adult, sea-run returning Atlantic salmon. IAAAM (International Association for Aquatic Animal Medicine) Proceedings 23:41-3.
Call Number: 92-057//FH
Notes: Article
- Ford LA, Cipriano RC. 1993. Evaluation of the immune response of Atlantic salmon to an *Aeromonas salmonicida*-*Yersinia Ruckeri* bacterin. in. Proceedings of the Atlantic salmon workshop Rockport, Maine. Lamar, Pennsylvania: Northeast Fishery Center.
Call Number: 95-040//PY95//FH
Notes: Conference Paper
- Ford LA, Cipriano RC, Baker CR, Starliper CE, Schachte JH, Stark KR. 1995. Bacteria associated with "red spot" disease of muskellunge (*Esox masquinongy*). in. 1995 Joint Meeting, American Fisheries Society Fish Health Section and Eastern Fish Disease Workshop Syracuse, New York.
Call Number: 95-097//PY96//FH
Notes: Abstract
- Ford LA, Cipriano RC, Penniston TK. 1994. Epizootic of furunculosis in paddlefish, (*Poyodon spathula*). in: Fenwick B, Editor. Proceedings: 25th Annual International Association for Aquatic Animal Medicine Napa, California. Kansas State University, Manhattan, Kansas: International Association for Aquatic Animal Medicine.
Call Number: 94-055//FH

Notes: Conference Paper

- Ford LA, Cipriano RC, Penniston TK. 1994. Isolation of *Aeromonas salmonicida* from paddlefish, *Polyodon spathula*. *Journal of Wildlife Diseases* 30(3):447-9.
Call Number: 94-092//PY95//FH
Notes: Article
- Ford LA, Cipriano RC, Penniston TK. 1994. Isolation of *Aeromonas salmonicida* from paddlefishes. *National Biological Survey, Research Information Bulletin* 7:2 pages.
Call Number: 94-031//FH
Notes: RIB
- Ford LA, Guseva NV, Baker CR. 1994. Effects of temperatures on virulence factors of selected motile aeromonads. *in. International Symposium on Aquatic Animal Health: Program and Abstracts*, Seattle, Washington.
Call Number: 95-015//PY95//FH
Notes: Abstract
- Ford LA, Guseva NV, Baker CR. 1995. Effects of temperature on virulent factor of selected motile aeromonads. In. *Diseases of Fish and Shellfish: 7th International Conference European Association of Fish Pathologist*, Palma de Mallorca, Spain.
Call Number: 96-008//PY96//FH
Notes: Abstract
- Ford LA, Thune RL. 1992. Immunization of channel catfish with a crude, acid-extracted preparation of motile aeromonad S-layer protein. *Biomedical Letters* 47(188):355-62.
Call Number: 93-019//FH
Notes: Article
- Francis-Floyd R, Klinger RE, Reed P, Blazer V. 1999. Mycotic enteritis in Gulf sturgeon (*Acipenser oxyrinchus desotoi*) fry. *in: Arkush KD, Editor. Proceedings: 30th Annual International Association for Aquatic Animal Medicine*, Boston, Massachusetts. Bodega Bay, California: International Association for Aquatic Animal Medicine.
Call Number: 99-58//FH
Notes: Abstract
- Fries JN, Fanning AH, Lemm CA. 1991. Length-weight tables for striped bass (*Morone saxatilis*). U.S. Fish and Wildlife Service, San Marcos Leaflet 91-01.
Call Number: 91-045//FC
Notes: Article
- Fynn-Aikins K, Bowser PR, Honeyfield DC, Fitzsimons JD, Ketola HG. 1998. Effect of dietary amprolium on tissue thiamin and cayuga syndrome in Atlantic salmon. *Transactions of the American Fisheries Society* 127(5):747-57.
Call Number: 99-050//NF
Notes: Article
- Fynn-Aikins K, Hughes SG. 1994. Digestible carbohydrates improve protein retention in Atlantic salmon. *National Biological Service, Research Information Bulletin* 87:3 pages.
Call Number: 95-048//PY95//TL
Notes: RIB
- Fynn-Aikins K, Hughes SG. 1994. Effects of dietary fiber and polypropylene on growth of Atlantic salmon. *National Biological Service, Research Information Bulletin* 88:2 pages.
Call Number: 95-047//PY95//TL
Notes: RIB

- Fynn-Aikins K, Hughes SG, Vandenberg GW. 1995. Protein retention and liver aminotransferase activities in Atlantic salmon fed diets containing different energy sources. *Comparative Biochemistry and Physiology* 111A(1):163-70.
Call Number: 95-023//PY95//TL
Notes: Article
- Fynn-Aikins K, Hung S, Hughes S. 1992. Effects of feeding high levels of digestible carbohydrate on liver function in juvenile white sturgeon. in. Abstracts: The 21st Fish Feed and Nutrition Workshop University of California, Department of Animal Science and Aquaculture and Fisheries Program, Davis, California.
Call Number: 93-069//TL
Notes: Abstract
- Fynn-Aikins K, Hung SSO, Hughes SG. 1993. Effects of feeding a high level of D-glucose on liver function in juvenile white sturgeon (*Acipenser transmontanus*). *Fish Physiology and Biochemistry* 12(4):317-25.
Call Number: 94-032//TL
Notes: Article
- Garber MJ, DeYonge KG, Byatt JC, Lellis WA, Honeyfield DC, Bull RC, Schelling GT, Roeder RA. 1995. Dose-response effects of recombinant bovine somatotropin (Posilac) on growth performance and body composition of two-year-old rainbow trout (*Oncorhynchus mykiss*). *Journal of Animal Science* 73:3216-22.
Call Number: 96-047//PY96//NF
Notes: Article
- Geiger JG, Turner CJ. 1990. Pond fertilization and zooplankton management techniques for production of fingerling striped bass and hybrid striped bass. [Pages 79-98]. in: Harrell RM, Kerby JH, Minton RV, editors. *Culture and Propagation of Striped Bass and Its Hybrids*. Bethesda, Maryland: Striped Bass Committee, Southern Division, American Fisheries Society.
Call Number: 91-041//FC
Notes: Chapter
- Gerard PD, Smith DR, Weerakkody G. 1998. Limits of retrospective power analysis. *Journal of Wildlife Management* 20:801-7.
Call Number: 98-007//AE
Notes: Article
- Gibson P, Parker CR. 1999. Proceedings of the Southern Appalachian Biological Control Initiative Workshop. Asheville, North Carolina. 26-27 September 1996. Morgantown, West Virginia: U. S. Department of Agriculture, Forest Service, Forest Health Technology Enterprise Team.
Call Number: 99-061//GSM
Notes: Book
- Gibson P, Parker CR. 1999. Summary of workshop and conclusions. in: Gibson P, Parker CR, editors. *Proceedings of the Southern Appalachian Biological Control Initiative Workshop Asheville, North Carolina*. Morgantown, West Virginia: U. S. Department of Agriculture, Forest Service, Forest Health Technology Enterprise Team.
Call Number: 99-062//GSM
Notes: Conference Paper
- Gilderhus PA, Lemm CA, Woods ILC. 1991. Benzocaine as an anesthetic for striped bass. *Progressive Fish-Culturist* 53(2):105-7.
Call Number: 92-098//FC
Notes: Article
- Gray ES, Kellogg KA, Stauffer JR, Lellis WA. 1999. Niche shift of a native darter (Teleostei: Percidae) in sympatry with a non-native species. in. 79th Annual Meeting, American Society of Ichthyologists and Herpetologists

- and 15th Annual Meeting American Elasmobranch Society State College, Pennsylvania.
Call Number: 99-108//NF
Notes: Abstract
- Grewe PM, Krueger CC, Aquadro CF, Bermingham E, Kincaid HL, May B. 1993. Mitochondrial DNA variation among lake trout (*Salvelinus namaycush*) strains stocked into Lake Ontario. Canadian Journal of Fisheries and Aquatic Sciences 50:2397-403.
Call Number: 94-062//NF
Notes: Article
- Guffey SZ, McCracken GF, Moore SE, Parker CR. 1999. Management of isolated populations: southern strain brook trout. [Pages 247-265]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.
Call Number: 98-062//GSM
Notes: Chapter
- Haines T, Komov V, Jagoe C. 1994. Mercury concentrations in perch (*Perca fluviatilis*) as influenced by lacustrine physical and chemical factors in two regions of Russia. Chapter IV. 3 [Pages 397-407]. in: C. J. Watras, Huckabee JW, editors. Mercury Pollution: Integration and Synthesis. Boca Raton, Florida: Lewis Publishers.
Call Number: 95-061//PY95//AE
Notes: Chapter
- Haines T, Komov V, Jagoe C, Matey V. 1996. Mercury content and ultrastructure of gills and scales of fish from lakes in north and northwestern Russia that are polluted by atmospheric deposition. in: Schoettger RA, editor. Problems of Aquatic Toxicology, Biotesting and Water Quality Management. Proceedings of USA-Russia Symposium Borok, Jaroslavl Oblast. Athens, Georgia: U.S. Environmental Protection Agency, Ecosystems Research Division .
Call Number: 97-076//AE
Notes: Conference Paper
- Haines TA, Abbott CC. 1994. Atmospheric deposition and movement of mercury in small stream watersheds in Maine. in. Abstracts: 15th Annual Meeting, Society of Environmental Toxicology and Chemistry Denver, Colorado.
Call Number: 95-071//PY95//AE
Notes: Abstract
- Haines TA, Brumbaugh WG. 1994. Metal concentration in the gill, gastrointestinal tract, and carcass of white suckers (*Catostomus commersoni*) in relation to lake acidity. Water, Air, and Soil Pollution 73:265-74.
Call Number: 96-084//PY96//AE
Notes: Article
- Haines TA, Komov VT, Matey VE, Jagoe CH. 1995. Perch mercury content is related to acidity and color of 26 Russian Lakes. Water, Air and Soil Pollution 85:823-8.
Call Number: 96-079//PY96//AE
Notes: Article
- Hall Jr LW, Ziegenfuss MC, Bushong SJ, Unger MA, Herman RL. 1989. Studies of contaminant and water quality effects on striped bass prolarvae and yearlings in the Potomac River and upper Chesapeake Bay in 1988. Transactions of the American Fisheries Society 118(6):619-29.
Call Number: 90-042//FH
Notes: Article
- Hamilton SJ, Haines TA. 1995. Influence of fluoride on aluminum toxicity to Atlantic salmon (*Salmo salar*).

Canadian Journal of Fisheries and Aquatic Sciences 52:2432-44.
Call Number: 96-080//PY96//AE
Notes: Article

Hankins JA, Heinen JM, Watten BJ. 1992. A comparison of two management strategies for intensive tank culture of rainbow trout, *Oncorhynchus mykiss*. in. Aquaculture '92: Abstracts and Schedule of Events Orlando, Florida. Marriott's Orlando World Center.

Call Number: 92-052//NF
Notes: Abstract

Hardy RW, Lellis WA, Rathbone C, Barrows FT. 1996. Whole body and carcass elemental analysis in rainbow trout (*Oncorhynchus mykiss*) fed diets differing in iron and copper ratios. in. 7th International Symposium on Nutrition and Feeding of Fish College Station, Texas.

Call Number: 96-086//PY96//NF
Notes: Abstract

Harms C, Ottinger C, Densmore C, Blazer V, Kennedy-Stoskopf S. 1999. Transforming growth factor-beta in teleost fish: Quantitative PCR applied to a field study of fish health. in. Proceedings of the 24th Annual Eastern Fish Health Workshop Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina.

Call Number: 99-017//FH
Notes: Abstract

Harms CA, Kennedy-Stoskopf S, Horne WA, Fuller FJ, Tompkins WAF, Ottinger CA, Densmore CL, Blazer VS. 1999. Transforming growth factor-beta in teleost fish: development of a quantitative assay for mRNA expression and application to a field study of fish health. in: Arkush KD, Editor. Proceedings: 30th Annual International Association for Aquatic Animal Medicine Boston, Massachusetts. Bodega Bay, California: International Association for Aquatic Animal Medicine.

Call Number: 99-057//FH
Notes: Abstract

Haro A, Odeh M, Castro-Santos T, Noreika J. 1999. Effect of slope and headpond on passage of American shad and blueback herring through simple Denil and deepened Alaska steep pass fishways. North American Journal of Fisheries Management 19(1):51-8.

Call Number: 99-095//TF
Notes: Article

Haro A, Odeh M, Noreika J, Castro-Santos T. 1998. Effect of water acceleration on downstream migratory behavior and passage of Atlantic salmon smolts and juvenile American shad at surface bypasses. Transactions of the American Fisheries Society 127(1):118-27.

Call Number: 98-103//TF
Notes: Article

Haro A, Verdon R. 1996. Eel passage technologies and issues. in. 52nd Annual Northeast Fish and Wildlife Conference Farmington, Connecticut.

Call Number: 96-096//PY96//TF
Notes: Abstract

Harrell RM, Geiger JG, Kerby JH, Kincaid H. 1996. Genetic manipulation in striped bass, *Morone saxatilis*. in. Aquaculture America 1996: Book of Abstracts Arlington Convention Center, Arlington, Texas.

Call Number: 96-058//PY96//AE//NF
Notes: Abstract

Harrell RM, Kerby JH, Minton RV. 1990. Culture and propagation of striped bass and its hybrids. Bethesda, Maryland. 323 pages: Striped Bass Committee, Southern Division, American Fisheries Society.

Call Number: 91-039//FC

Notes: Book

Harrell RM, Kerby JH, Smith TIJ, Stevens RE. 1990. Striped bass and striped bass hybrid culture: the next twenty-five years. [Pages 253-261]. in: Harrell RM, Kerby JH, Minton RV, editors. Culture and Propagation of Striped Bass and Its Hybrids. Bethesda, Maryland: Striped Bass Committee, Southern Division, American Fisheries Society.

Call Number: 91-044//FC

Notes: Chapter

Harrell RM, Van Heukelem W, Kerby JH. 1998. A comparison of triploid induction validation techniques. The Progressive Fish-Culturist 60(3):221-6.

Call Number: 99-072//AE

Notes: Article

Harshbarger JC, Baumann PC. 1995. Decline of catfish liver neoplasms after coking plant closes demonstrates natural remediation. Proceedings of the American Association for Cancer Research 36:279.

Call Number: 95-043//PY95//FH

Notes: Abstract 1659

Harvey MJ, Clark JD. 1997. Imperiled mammalian fauna of aquatic ecosystems in the Southeast: a historical perspective. [Pages 245-258]. in: Benz GW, Collins DE, editors. Aquatic Fauna in Peril: The southeastern perspective. Decatur, GA: Lenz Design and Communications.

Call Number: 98-055//SAL

Notes: Chapter

Hayward RS, Marfrac JrFJ, Parrish DL, Vondracek B. 1991. Low-cost field estimation of yellow perch daily ration. Transactions of the American Fisheries Society 120(5):589-604.

Call Number: 92-063//TF

Notes: Article

Heinen J, Hankins J, Noble A, Bullock G, Herman R, Weber A. 1993. Evidence for development of resistance to bacterial gill disease in cultured rainbow trout.. European Society Special Publication 19:190.

Call Number: 93-083//FH

Notes: Abstract

Heinen JM, Hankins JA, Subramanyam M, Watten BJ. 1991. Evaluation of a low-pollution trout diet in tanks receiving water supersaturated with dissolved oxygen. in. Program and Abstracts: 22nd Annual Conference and Exposition, World Aquaculture Society San Juan, Puerto Rico.

Call Number: 91-101//NF

Notes: Abstract

Heinen JM, Hankins JA, Watten BJ. 1991. Evaluation of recirculation fish culture systems, utilization cross-flow raceways, multi-stage oxygenators, microscreen particulate filters and fluidized-bed biofilters. in. Program and Abstracts: 22nd Annual Conference and Exposition World Aquaculture Society San Juan, Puerto Rico.

Call Number: 91-094//NF

Notes: Abstract

Heinen JM, Hankins JA, Watten BJ. 1992. Modifications of equipment and operating procedures in a recirculating culture system for rainbow trout, *Oncorhynchus mykiss*. in. Aquaculture '92: Abstracts and Schedule of Events Orlando, Florida. Marriott's Orlando World Center.

Call Number: 92-053//NF

Notes: Abstract

Heinen JM, Hankins JA, Weber AL, Watten BJ. 1996. A semiclosed recirculating water system for high-density culture of rainbow trout. Progressive Fish-Culturist 58:11-22.

Call Number: 96-045//PY96//NF

Notes: Article

Henderson-Arzapalo A. 1992. Red drum aquaculture. *Reviews of Aquatic Sciences* 6(5,6):479-91.

Call Number: 93-008//FC

Notes: Article

Henderson-Arzapalo A. 1995. Review of nursery and growout culture techniques for red drum (*Sciaenops ocellatus*). [Pages 67-79]. in: Main KL, Rosenfeld C, editors. *Culture of High-Value Marine Fishes in Asia and the United States*. Honolulu, Hawaii: Oceanic Institute.

Call Number: 96-014//PY96//AE

Notes: Chapter

Henderson-Arzapalo A, Colura RL, Maciorowski AF. 1994. A comparison of black drum, red drum, and their hybrid in saltwater pond culture. *Journal of the World Aquaculture Society* 25(2):289-96.

Call Number: 95-007//PY95//FC

Notes: Article

Henderson-Arzapalo A, Hawkinson J, Keyes P. 1991. MS-222 used to separate phase I striped bass with uninflated swim bladders. U.S. Fish and Wildlife Service, *Research Information Bulletin* 8:2 pages.

Call Number: 91-030//FC

Notes: RIB

Henderson-Arzapalo A, Howe J. 1993. Rapid growth of subadult striped bass in an intensive culture system. U.S. Fish and Wildlife Service, *Research Information Bulletin* 68:2 pages.

Call Number: 94-004//FC

Notes: RIB

Henderson-Arzapalo A, Howe JD, Blair A, Johnson C, Astapenus E, Cole D, Fair E, Barger M, Self L, Joyner H and others. 1990. An evaluation of semi-intensive pond production for phase I striped bass at four National Fish Hatcheries. Kearneysville, West Virginia: Fish Culture and Ecology Branch, National Fisheries Research Center-Leetown.

Call Number: 91-011//FC

Notes: Report

Henderson-Arzapalo A, Lemm C, Hawkinson J, Keyes P. 1992. Tricaine used to separate phase-I striped bass with uninflated gas bladders from normal fish. *Progressive Fish-Culturist* 54(2):133-5.

Call Number: 92-077//FC

Notes: Article

Henderson-Arzapalo A, Rago P, Skjveland J. 1992. An evaluation of six external anchor tags: fish survival, retention, durability and legibility. in. *Abstracts: Emergency Striped Bass Study Annual Workshop* Norfolk, Virginia. National Oceanic and Atmospheric Administration and U.S. Fish and Wildlife Service.

Call Number: 92-093//FC

Notes: Abstract

Henderson-Arzapalo A, Rago P, Skjveland J, Mangold M, Washington P, Howe J, King T. 1999. An evaluation of six internal anchor tags for tagging juvenile striped bass. *North American Journal of Fisheries Management* 19(2):482-93.

Call Number: 99-067//AE

Notes: Article

Hendricks A, Miller M, Snyder C. 1993. Evaluation of acid mine drainage with the rapid bioassessment protocol. *Bulletin of the North American Benthological Society* 10(1):142.

Call Number: 93-066//FC

Notes: Abstract

Hendricks AC, Willis LD, Snyder C. 1995. Impact of flooding on the densities of selected aquatic insects. *Hydrobiologia* 299:241-7.

Call Number: 95-069//PY95//AE

Notes: Article

Hendricks ML, Torsello DL, Backman TWH. 1990. Use of otolith microstructure to distinguish between wild and hatchery-reared American shad in the Susquehanna River. in. 120th Annual Meeting of the American Fisheries SocietyPittsburgh, Pennsylvania.

Call Number: 90-062//NF

Notes: Abstract

Hendrix M, Krise W, Baker S, Bonnie W. 1993. Evaluation of the toxicity of iodophor to eggs of Atlantic salmon (*Salmo salar*). in. Proceedings of the Atlantic Salmon WorkshopRockport, Maine.

Call Number: 94-105//PY95//NF

Notes: Abstract

Hendrix M, Krise W, Baker S, Bonnie W. 1993. Update on the use of LHRHa implants in male Atlantic salmon (*Salmo salar*). in. Proceedings of the Atlantic Salmon WorkshopRockport, Maine.

Call Number: 94-104//PY95//NF

Notes: Abstract

Hendrix MA, Krise WF, Baker SE, Bonney WA. 1992. The effect of hatchery location on egg viability of Atlantic salmon (*Salmo salar*). in. Proceedings of the Atlantic Salmon WorkshopRockport, Maine.

Call Number: 93-040//NF

Notes: Abstract

Hendrix MA, Krise WF, Baker SE, Bonney WA. 1992. Evaluation of the use of LHRHa implants to increase sperm count and improve fertilization rate in Atlantic salmon (*Salmo salar*). in. Proceedings of the Atlantic Salmon WorkshopRockport, Maine.

Call Number: 93-039//NF

Notes: Abstract

Herman RL. 1990. The role of infectious agents in fish kills. [Pages 45-56]. in: Meyer FP, Barclay LA, editors. Field Manual for the Investigation of Fish KillsU.S. Fish and Wildlife Service.

Call Number: 91-027//FH

Notes: Chapter

Herman RL. 1996. Systemic noninfectious granulomatoses of fishes. (Revised). U.S. Fish and Wildlife Service, Fish Disease Leaflet 79:9 pages.

Call Number: 96-056//PY96//FH

Notes: Leaflet on the home page

Herman RL, Burke CN, Perry S. 1997. Epidermal tumors of rainbow smelt with associated virus. *Journal of Wildlife Diseases* 33(4):925-9.

Call Number: 97-078//FH

Notes: Article

Herman RL, Kincaid HL. 1991. Effects of orally administered steroids on lake trout and Atlantic salmon. *Progressive Fish-Culturist* 53(3):157-61.

Call Number: 92-019//FH//NF

Notes: Article

- Herman RL, Krise WF. 1990. Adverse effects of heated Bouin's solution on fish preservation. *Journal of Aquatic Animal Health* 1:307-9.
Call Number: 90-079//FH//NF
Notes: Article
- Herman RL, Lemm CA. 1990. Putative autoimmune reaction of striped bass, *Morone saxatilis*, to skin and kidney-tubule basement membranes. *Journal of Fish Biology* 36:465-8.
Call Number: 90-035//FH//FC
Notes: Article
- Herman RL, Lemm CA. 1992. Observations on *Morone* liver pathology. in. Eastern Fish Health Section and American Fisheries Society, Fish Health Section Workshop Auburn University Hotel and Conference Center, Auburn, Alabama.
Call Number: 92-060//FH//FC
Notes: Abstract
- Herman RL, Meyer FP. 1990. Fish kills due to natural causes. [Pages 41-44]. in: Meyer FP, Barclay LA, editors. *Field Manual for the Investigation of Fish Kills U.S. Fish and Wildlife Service*.
Call Number: 91-026//FH
Notes: Chapter
- Herndon TM, McCormick SD, Bern HA. 1991. Effects of prolactin on chloride cells in opercular membrane of seawater-adapted tilapia. *General and Comparative Endocrinology* 83(2):283-9.
Call Number: 92-068//TF
Notes: Article
- Herold MA, Hung SSO, Fynn-Aikins K. 1995. Apparent digestibility coefficients of carbohydrates for white sturgeon. *Progressive Fish-Culturist* 57(2):137-40.
Call Number: 95-022//PY95//TL
Notes: Article
- Hess P, Leahy MR, Ross RM. 1998. Pennsylvania's crossbill winter of 1997-1998. *Pennsylvania Birds* 12(1):2-6.
Call Number: 98-070//NF
Notes: Article
- Hickerson JL, Starliper CE, Lidgerding BC. 1999. Studies on the cohabitation of fresh water bivalves and salmonoid fishes: pathology to fish of mussel tissues and contagion of a known fish pathogen, *Aeromonas salmonicida*. *Proceedings of the West Virginia Academy of Science* 71(1):3.
Call Number: 99-070//FH
Notes: Abstract
- Hoffman RL, Parker CR. 1997. Caddisflies from Greensville County, Virginia (*Insecta: Trichoptera*). *Banisteria: A Journal Devoted to the Natural History of Virginia* 9:17-32.
Call Number: 97-091//GSM
Notes: Article
- Honeyfield DC. 1998. Ground limestone as a biofilter media for hybrid striped bass culture. in: Libey GS, Timmons MB, editors. *Proceedings of the Second International Conference on Recirculating Aquaculture* Virginia Polytechnic Institute and State University, Roanoke, Virginia. Roanoke, Virginia: Virginia Polytechnic Institute and State University.
Call Number: 98-012//NF
Notes: Conference Paper
- Honeyfield DC. 1998. Possible cause for thiamine deficiency associated with sac-fry mortality in early mortality syndrome in feral Great Lakes salmonid species. in. *Third International Symposium on Aquatic Animal*

HealthRenaissance Harborplace Hotel. Baltimore, Maryland.
Call Number: 98-073//NF
Notes: Abstract S15-1

Honeyfield DC. 1999. Laboratory reproduction of early mortality syndrome in lake trout. in. 1999 ICES Annual Science Conference//87th Statutory Meeting//ICES CM 1999/U:03.Stockholm, Sweden.
Call Number: 99-102//NF
Notes: Abstract

Honeyfield DC, Brown S, Fitzsimons J, Fynn-Aikins K. 1995. Analysis of thiamine by HPLC and progress in reproducing early mortality syndrome under laboratory conditions. In. Second Workshop on Reproduction Disturbances in Fish Stockholm, Sweden.
Call Number: 96-048//PY96//NF
Notes: Abstract

Honeyfield DC, Fitzsimons JD, Brown SB, Marcquenski SV, McDonald G. 1998. Introduction and overview of early life stage mortality. in: McDonald G, Fitzsimons JD, Honeyfield DC, editors. American Fisheries Society Symposium 21 Dearborn, Michigan. Bethesda, Maryland: American Fisheries Society.
Call Number: 98-017//NF
Notes: Conference Paper

Honeyfield DC, Fynn-Aikins K, Bowser P, Fitzsimons J. 1996. Progress in reproducing early mortality syndrome under laboratory conditions. in. Sustainable Fisheries: Economics, Ecology, and Ethics. 126th Annual Meeting of the American Fisheries Society Dearborn, Michigan.
Call Number: 96-074//PY96//NF
Notes: Abstract

Honeyfield DC, Fynn-Aikins K, Fitzsimons JD, Mota JA. 1998. Effects of dietary amprolium on egg and tissue thiamine concentrations in lake trout. in: McDonald G, Fitzsimons JD, Honeyfield DC, editors. American Fisheries Society Symposium 21 Dearborn, Michigan. Bethesda, Maryland: American Fisheries Society.
Call Number: 98-014//NF
Notes: Conference Paper

Honeyfield DC, Hnath JG, Copeland J, Dabrowski K, Blom JH. 1998. Correlation of nutrients and environmental contaminants in Lake Michigan coho salmon with incidence of early mortality syndrome. in: McDonald G, Fitzsimons JD, Honeyfield DC, editors. American Fisheries Society Symposium 21 Dearborn, Michigan. Bethesda, Maryland: American Fisheries Society.
Call Number: 98-015//NF
Notes: Conference Paper

Honeyfield DC, Krise WF Determining quality of fish sperm. in. Aquaculture '98 World Aquaculture Society Book of Abstracts Bally's, Las Vegas, Nevada .
Call Number: 98-023//NF
Notes: Abstract

Honeyfield DC, Krise WF. 1997. Implication of variable osmolality on salmonid sperm cryopreservation. in. World Aquaculture '97: Book of Abstracts. The Annual International Conference and Exposition of the World Aquaculture Society and the Annual National Aquaculture Conference and Exposition of the National Aquaculture Association. Washington State Convention Center, Seattle, Washington.
Call Number: 97-028//NF
Notes: Abstract 496

Honeyfield DC, Lellis WA. 1993. Direct chromatography method for ascorbic acid, ascorbyl-2-sulfate, and ascorbyl-2-phosphate in chinook salmon tissue. Journal of Animal Science 71(Supplement 1):90.
Call Number: 94-045//NF

Notes: Abstract

Honeyfield DC, Quan AJ, Hnath J. 1996. Implication of thiamine deficiency in the ethiology of early mortality syndrome of Lake Michigan coho salmon. *FASEB (Federation of American Societies for Experimental Biology) Journal* 10(3):A803.

Call Number: 96-011//PY96//NF

Notes: Abstract

Honeyfield DC, Tillitt DE, Brown SB, Fitzsimons JD. 1999. Review of a natural thiamine deficiency causing reproductive failure in feral salmonid species of the Great Lakes. *FASEB Journal* 13(5):A892.

Call Number: 99-109//NF

Notes: Abstract

Honeyfield DC, Watten BJ. 1996. Comparative performance of single-stage and two-stage pulsed bed biological filters receiving recirculating fish culture effluent. in. *Successes and Failures in Commercial Recirculating Aquaculture. Proceedings of the Aquacultural Engineering Society. NRAES (Northeast Regional Agricultural Engineering Service)Roanoke, Virginia.*

Call Number: 96-068//PY96//NF

Notes: Conference Paper

Howerton RD, Boyd CE, Watten BJ. 1992. Design and performance of a horizontal, axial-flow, water circulator. in. *Research and Review: A Compilation of Abstracts of Research on Channel Catfish. Catfish Farmers of AmericaOrlando, Florida.*

Call Number: 92-049//NF

Notes: Abstract

Howerton RD, Boyd CE, Watten BJ. 1993. Design and performance of a horizontal axial-flow water circulator. *Journal of Applied Aquaculture* 3(1-2):163-83.

Call Number: 94-056//NF

Notes: Article

Hughes S. 1990. Study indicates feather meal can be a good supplement in trout diets. *Water Farming Journal* 5(8):16.

Call Number: 90-081//TL

Notes: Article

Hughes S. 1991. Feather meal can displace fish meal in aquaculture rations. *Feedstuffs* September 30,1992:11-3.

Call Number: 93-005//TL

Notes: Article

Hughes SG. 1989. Amino acid solutions alter Atlantic salmon feeding behavior. U.S. Fish and Wildlife Service, *Research Information Bulletin* 85:2 pages.

Call Number: 90-010//TL

Notes: RIB

Hughes SG. 1989. Chinook salmon fry feeding can be altered with diet additives. U.S. Fish and Wildlife Service, *Research Information Bulletin* 84:2 pages.

Call Number: 90-009//TL

Notes: RIB

Hughes SG. 1989. Effects of aqueous amino acid solutions on the feed intake of juvenile Atlantic salmon. *Salmonid* 13:13-4.

Call Number: 90-034//TL

Notes: Article

- Hughes SG. 1989. Use of triticale in diets for Atlantic salmon. U.S. Fish and Wildlife Service, Research Information Bulletin 83:2 pages.
Call Number: 90-008//TL
Notes: RIB
- Hughes SG. 1990. Distillers heavy syrup has potential value in lake trout diets. U.S. Fish and Wildlife Service, Research Information Bulletin 24:2 pages.
Call Number: 90-054//TL
Notes: RIB
- Hughes SG. 1990. Use of feather meal in lake trout diets. U.S. Fish and Wildlife Service, Research Information Bulletin 26:2 pages.
Call Number: 90-055//TL
Notes: RIB
- Hughes SG. 1990. Use of triticale as a replacement for wheat middlings in diets for Atlantic salmon. Aquaculture 90(2):173-8.
Call Number: 91-005//TL
Notes: Article
- Hughes SG. 1990. When should we start feeding larval striped bass? U.S. Fish and Wildlife Service, Research Information Bulletin 15:1 page.
Call Number: 90-053//TL
Notes: RIB
- Hughes SG. 1991. Amino acids as feeding attractants for Atlantic salmon. in. Proceedings of the Atlantic Salmon Workshop Rockport, Maine.
Call Number: 92-002//TL
Notes: Conference Paper
- Hughes SG. 1991. Cultured Atlantic salmon do not need moist feeds. in. Proceedings of the Atlantic Salmon Workshop Rockport, Maine.
Call Number: 92-001//TL
Notes: Conference Paper
- Hughes SG. 1991. Response of first-feeding spring chinook salmon to four potential chemical modifiers of feed intake. Progressive Fish-Culturist 53(1):15-7.
Call Number: 91-072//TL
Notes: Article
- Hughes SG. 1991. Use of lupin flour as a replacement for full-fat soy in diets for rainbow trout (*Oncorhynchus mykiss*). Aquaculture 93(1):57-62.
Call Number: 91-038//TL
Notes: Article
- Hughes SG. 1992. Recent advances in Atlantic salmon diets. in. Proceedings of the Atlantic Salmon Workshop Rockport, Maine.
Call Number: 93-043//TL
Notes: Conference Paper
- Hughes SG. 1993. Enhancing feed intake of Atlantic salmon kelts with chemoattractants. in. Abstracts: 49th Annual Northeast Fish and Wildlife Conference Atlantic City, New Jersey.
Call Number: 93-056//TL
Notes: Abstract

- Hughes SG. 1993. Single-feeding response of chinook salmon fry to potential feed intake modifiers. *Progressive Fish-Culturist* 55(1):40-2.
Call Number: 94-066//PY95//TL
Notes: Article
- Hughes SG, Barrows R. 1990. Fish vary in ability to impart moisture to digesta. U.S. Fish and Wildlife Service, Research Information Bulletin 14:2 pages.
Call Number: 90-012//TL
Notes: RIB
- Hughes SG, Barrows R. 1990. Measurements of the abilities of cultured fishes to moisturize their digesta. *Comparative Biochemistry and Physiology* 96A(1):109-11.
Call Number: 90-050//TL
Notes: Article
- Hughes SG, Handworker TS. 1993. Tilapia feed: all vegetable protein feeds. *Feed Management* 44(5):55-8.
Call Number: 93-058//TL
Notes: Article
- Hughes SG, Lemm CA, Herman RL. 1992. Development of a practical diet for juvenile striped bass. *Transactions of the American Fisheries Society* 121(6):802-9.
Call Number: 93-051//TL//FH
Notes: Article
- Hughes SG, Rowan J. 1992. Kelt reconditioning diet trial. U.S. Fish and Wildlife Service, Research Information Bulletin 95:2 pages.
Call Number: 93-070//TL
Notes: RIB
- Hughes SG, Rumsey GL. 1991. New concepts in protein supplementation starter salmon diets. *Feed Management* 42(4):58-62.
Call Number: 91-046//TL
Notes: Article
- Hung SSO, Fynn-Aikins K. 1993. Carbohydrate utilization and its impact on some metabolic and histological parameters in white sturgeon. in. *Fish Nutrition in Practice: 4th International Symposium on Fish Nutrition and Feeding* Biarritz, France. Paris, France: Institut National de la Recherche Agronomique.
Call Number: 94-131//TL
Notes: Conference Paper
- Jago CH, Haines TA. 1997. Changes in gill morphology of Atlantic salmon (*Salmo salar*) smolts due to addition of acid and aluminum to stream water. *Environmental Pollution* 97(1/2):137-46.
Call Number: 98-100//AE
Notes: Article
- Janis MW, Clark JD. 1999. The effects of recreational deer and hog hunting on the behavior of Florida panthers. Knoxville, Tennessee: University of Tennessee.
Call Number: 99-063//SAL
Notes: Report
- Janis MW, Clark JD, Johnson CS. 1999. Predicting mountain lion activity using radiocollars equipped with mercury tip-sensors. *Wildlife Society Bulletin* 27(1):19-24.
Call Number: 99-066//SAL
Notes: Article

- Jefferson KL, Blazer VC. 1998. Dietary exposures of striped bass to arsenic and dieldrin: effects on pigment distribution within macrophage aggregates. in. 23rd Annual Eastern Fish Health Workshop John Carver Inn, Plymouth, Massachusetts.
Call Number: 98-038//FH
Notes: Abstract
- Jeney G, Anderson D, Jeney Z. 1992. In vitro effects of heavy metals on the nonspecific defense mechanisms and immune response of fish. In Vitro Cellular and Developmental Biology 28(3):141A.
Call Number: 92-041//FH
Notes: Abstract
- Jeney G, Anderson DP. 1991. Monitoring fish health and immune status from spleen cell suspensions and blood samples. in. 5th International Conference, Diseases of Fish and Shellfish. European Conference of Fish Pathologists Budapest, Hungary.
Call Number: 91-097//FH
Notes: Abstract
- Jeney G, Anderson DP. 1993. Enhanced immune response and protection in rainbow trout to *Aeromonas salmonicida* bacterin following prior immersion in immunostimulants. Fish and Shellfish Immunology 3:51-8.
Call Number: 93-025//FH
Notes: Article
- Jeney G, Anderson DP. 1993. Glucan injection or bath exposure given alone or in combination with a bacterin enhances the non-specific defence mechanisms in rainbow trout (*Oncorhynchus mykiss*). Aquaculture 116(4):315-29.
Call Number: 94-003//FH
Notes: Article
- Jeney G, Anderson DP. 1993. An in vitro technique for surveying immunostimulants in fish. Aquaculture 112(2/3):283-7.
Call Number: 93-093//FH
Notes: Article
- Jeney G, Anderson DP. 1993. Kinetics of non-specific defence mechanisms after bath or injection exposure of rainbow trout to a bacterin or glucan. in. The Nordic Symposium on Fish Immunology. Abstracts and Participants Uppsala University, Uppsala, Sweden.
Call Number: 93-079//FH//
Notes: Abstract
- Jeney G, Anderson DP, Jeney Z. 1993. Kinetics of non-specific defence mechanisms after bath exposure of hybrid sturgeon (*Acipenser ruthenus* x *Acipenser baeri*) to a bacterin or glucan. in. "Diseases of Fish and Shellfish". Book of Abstracts. Sixth International Conference, European Association of Fish Pathologists Brest, France.
Call Number: 93-109//FH
Notes: Abstract
- Johnson J, Dropkin D. 1995. Diet study of Atlantic sturgeon in marine waters. Sturgeon Notes (3):5.
Call Number: 96-017//PY96//TL//NF
Notes: Abstract
- Johnson JH. 1993. Estimating losses to predation of recently released American shad larvae in the Susquehanna River basin. in. 123rd Annual Meeting, American Fisheries Society Portland, Oregon.
Call Number: 93-107//NF
Notes: Abstract

- Johnson JH. 1995. Diel feeding ecology of three species of aquatic insects. *Journal of Freshwater Ecology* 10(2):183-8.
Call Number: 95-092//PY96//TL
Notes: Article
- Johnson JH, Dropkin DS. 1990. Predation on recently stocked American shad in the Susquehanna River. in. 120th Annual Meeting of the American Fisheries SocietyPittsburgh, Pennsylvania.
Call Number: 90-070//NF
Notes: Abstract
- Johnson JH, Dropkin DS. 1991. Predation on recently released American shad in the Susquehanna River basin. U.S. Fish and Wildlife Service, Research Information Bulletin 35:2 pages.
Call Number: 91-078//NF
Notes: RIB
- Johnson JH, Dropkin DS. 1991. Summer food habits of spotfin shiner, mimic shiner, and subyearling fallfish in the Susquehanna River basin. *Journal of Freshwater Ecology* 6(1):35-42.
Call Number: 91-051//NF
Notes: Article
- Johnson JH, Dropkin DS. 1992. Identification of a measurable zone of predation on recently released American shad larvae in the Susquehanna River basin. in. Abstracts: 48th Annual Northeast Fish and Wildlife Conference, Anadromous Session.Norfolk, Virginia.
Call Number: 92-051//NF
Notes: Abstract
- Johnson JH, Dropkin DS. 1992. Piscivory by the centrol stoneroller *Campostoma anomalum*. *Journal of the Pennsylvania Academy of Sciences* 66(2):90-1.
Call Number: 93-032//NF
Notes: Article
- Johnson JH, Dropkin DS. 1992. Predation on recently released larval American shad in the Susquehanna River basin. *North American Journal of Fisheries Management* 12(4):504-8.
Call Number: 93-061//NF
Notes: Article
- Johnson JH, Dropkin DS. 1993. Diel variation in diet composition of a riverine fish community. *Hydrobiologia* 271:149-58.
Call Number: 94-012//NF
Notes: Article
- Johnson JH, Dropkin DS. 1993. Seasonal habitat use by brook trout in a second order stream. in. 123rd Annual Meeting, American Fisheries SocietyPortland, Oregon.
Call Number: 93-105//NF
Notes: Abstract
- Johnson JH, Dropkin DS. 1994. Biology of subyearling carp (*Cyprinus carpio*) in the Juniata River, Pennsylvania. *Journal of the Pennsylvania Academy of Sciences* 68(1):34-5.
Call Number: 94-103//PY95//NF
Notes: Article
- Johnson JH, Dropkin DS. 1995. Diel feeding chronology of six fish species in the Juniata River, Pennsylvania. *Journal of Freshwater Ecology* 10(1):11-8.
Call Number: 95-005//PY95//NF
Notes: Article

- Johnson JH, Dropkin DS. 1995. Effects of prey density and short term food deprivation on the growth and survival of American shad larvae. *Journal of Fish Biology* 46(5):872-9.
Call Number: 95-059//PY95//NF
Notes: Article
- Johnson JH, Dropkin DS. 1996. Feeding ecology of larval and juvenile American shad (*Alosa sapidissima*) in a small pond. *Journal of Applied Ichthyology* 12(1):9-13.
Call Number: 96-057//PY96//TL//NF
Notes: Article
- Johnson JH, Dropkin DS. 1996. Seasonal habitat use by brook trout, *Salvelinus fontinalis* (Mitchill), in a second-order stream. *Fisheries Management and Ecology* 3:1-11.
Call Number: 96-043//PY96//NF
Notes: Article
- Johnson JH, Dropkin DS. 1997. Food and prey selection of recently released American shad (*Alosa sapidissima*) larvae. *Journal of Freshwater Ecology* 12(3):355-8.
Call Number: 97-063//TL//NF
Notes: Article
- Johnson JH, Dropkin DS, LaPan SR, McKenna JE Jr, Klindt RM. 1998. Age and growth of lake sturgeon in the Upper St. Lawrence River. *Journal of Great Lakes Research* 24(1):474-8.
Call Number: 98-071//NF
Notes: Article
- Johnson JH, Dropkin DS, Shaffer PG. 1992. Habitat use by a headwater stream fish community in North-central Pennsylvania. *Rivers* 3(2):69-79.
Call Number: 92-005//NF
Notes: Article
- Johnson JH, Dropkin DS, Warkentine BE, Rachlin JW, Andrews WD. 1997. Food habits of Atlantic sturgeon off the central New Jersey coast. *Transactions of the American Fisheries Society* 126:166-70.
Call Number: 97-030//TL//NF
Notes: Article
- Johnson JH, Jock K. 1995. Lake sturgeon restoration in the St. Lawrence River. In. *Northeast Region of the Native American Fish & Wildlife Society: 8th Annual Regional Conference* Cornell University, Ithaca, New York.
Call Number: 96-012//PY96//TL
Notes: Abstract
- Johnson JH, McKeon JF, Dropkin DS. 1996. Comparative diets of hatchery and wild Atlantic salmon smolts in the Merrimack River. *North American Journal of Fisheries Management* 16(2):440-4.
Call Number: 96-044//PY96//TL//NF
Notes: Article
- Johnson JH, Nigro AA, Temple R. 1992. Evaluating enhancement of striped bass in the context of potential predation on anadromous salmonids in Coos Bay, Oregon. *North American Journal of Fisheries Management* 12(1):103-8.
Call Number: 92-083//NF
Notes: Article
- Johnson JH, Ringler NH. 1995. Estimating losses to predation of recently released American shad larvae in the Juniata River, Pennsylvania. *North American Journal of Fisheries Management* 15:854-61.
Call Number: 96-005//PY96//NF
Notes: Article

- Johnson JH, Ringler NH. 1998. Predator response to releases of American shad larvae in the Susquehanna River basin. *Ecology of Freshwater Fish* 7(4):192-9.
Call Number: 99-053//NF
Notes: Article
- Johnson JH, Ross RM. 1996. Pellets versus feces: their relative importance in describing the food habits of double-crested cormorants. *Journal of Great Lakes Research* 22(3):795-8.
Call Number: 97-060//TL//NF
Notes: Article
- Johnson JH, Ross RM, Adams CM. 1999. Diet composition and fish consumption of double-crested cormorants in eastern Lake Ontario, 1998. [Pages 1-7]. in. Final Report: To assess the impact of double-crested cormorant predation on the smallmouth bass and other fishes of the eastern basin of Lake Ontario. Volume Section 5. New York State Department of Environmental Conservation Bureau of Fisheries//United States Geological Survey, Biological Resources Division//.
Call Number: 99-105//NF
Notes: Report
- Johnson JH, Ross RM, Smith DR. 1997. Evidence of secondary consumption of invertebrate prey by double-crested cormorants. *Colonial Waterbirds* 20(3):547-51.
Call Number: 98-029//NF//AE
Notes: Article
- Johnson JH, Rost P. 1990. Merrimack River smolt trapping. in. Proceedings of the Atlantic Salmon Workshop U.S. Fish and Wildlife Service, Northeast Fishery Center, Rockport, Maine.
Call Number: 90-083//NF
Notes: Conference Paper
- Johnson JH, Rottiers DV, Dropkin DS, Durfee JH. 1992. Enumerating migrating Atlantic salmon smolts in the Upper Merrimack River with auger traps. in. Abstracts: 48th Annual Northeast Fish and Wildlife Conference, Anadromous Session. Norfolk, Virginia.
Call Number: 92-050//NF
Notes: Abstract
- Johnson JH, Rottiers DV, Durfee JH. 1992. Atlantic salmon smolt trapping in the Upper Merrimack River, New Hampshire. in. Proceedings of the Atlantic Salmon Workshop Rockport, Maine.
Call Number: 93-042//NF
Notes: Conference Paper
- Johnson JH, Temple R, Nigro AA. 1990. Potential effects of striped bass enhancement on anadromous salmonids in Coos Bay, Oregon. in. 46th Annual Northeast Fish and Wildlife Conference: Abstracts 1990's Nashua, New Hampshire.
Call Number: 90-074//NF
Notes: Abstract
- Jones TE, Cipriano RC. 1997. Performance of two brook trout strains used in Vermont fishery programs. in. 22nd Annual Eastern Fish Health Workshop Royal Pavilion Resort, Atlantic Beach, North Carolina.
Call Number: 97-009//FH
Notes: Abstract
- Kaattari SL, Ottinger CA. 1999. Seasonality of trout leukocytic sensitivity to toxicity: implications for immunotoxic biomonitoring. in: Elskus AA, Vogelbein WK, McLaughlin SM, Kane AS, editors. Tenth International Symposium on Pollutant Responses in Marine Organisms (Primo 10) Williamsburg, Virginia.
Call Number: 99-047//FH
Notes: Abstract

- Kapuscinski AR, Tiedje J, Bern H, Cordle M, Ford S, Pierce S, Witt W, Colt J, Dunham R, Hallerman E and others. (Agricultural Biotechnology Research Advisory Committee, Working Group on Aquatic Biotechnology and Environmental Safety). 1995. Washington, D. C.: U.S. Department of Agriculture. Final Draft, 95-02. Call Number: 95-110//PY96//NF
Notes: Report
- Kapuscinski AR, Tiedje J, Bern H, Cordle M, Ford S, Pierce S, Witt W, Colt J, Dunham R, Hallerman E and others. (Agricultural Biotechnology Research Advisory Committee, Working Group on Aquatic Biotechnology and Environmental Safety). 1995. Washington, D. C.: U.S. Department of Agriculture. Final Draft, 95-01. Call Number: 95-111//PY96//NF
Notes: Report
- Keene JC, Austic RE, Ketola HG. 1995. Use of plant meals as primary protein sources in diets for juvenile Atlantic salmon (*Salmo salar*). In. 57th Cornell Nutrition Conference for Feed Manufacturers Rochester, New York. Call Number: 96-029//PY96//TL
Notes: Conference Paper
- Keene JC, Ketola HG, Austic RE. 1996. Apparent and true digestibilities of crude protein and indispensable amino acids in dietary herring meal, corn gluten meal, soybean meal, and peanut meal for juvenile Atlantic salmon (*Salmo salar*). in. Symposia of the Comparative Nutrition Society. Proceedings of the first Comparative Nutrition Society Symposium Xerox Document University, Leesburg, Virginia. Call Number: 96-038//PY96//TL
Notes: Conference Paper
- Keenen CH, Ketola HG, Sanford K. 1992. Composition of whitefish and cisco flesh captured in Otsego Lake in 1969 and 1992 and possible influence of the introduction of alewives on their forage [Pages 112-119]. in. 25th Annual Report, Biological Field Station, Cooperstown, New York. Oneonta, New York: Biology Department, State University College. Call Number: 94-129//TL
Notes: Report
- Kerby JH. The striped bass and its hybrids. [Pages 251-306]. in: Stickney RR, editor. Culture of Nonsalmonid Freshwater Fishes. Boca Raton, Florida: CRC Press. Advances in Fisheries Science. Call Number: 93-046//FC
Notes: Chapter
- Kerby JH. 1993. Potential of triploids in fisheries management - real or perceived. in. 123rd Annual Meeting American Fisheries Society Portland, Oregon. Call Number: 94-121//AE
Notes: Abstract
- Kerby JH. 1993. Reproduction in temperate freshwater and estuarine fishes. [Pages 251-268]. in: Stoskopf MK. Fish medicine. Philadelphia, Pennsylvania: W. B. Saunders Company. Call Number: 93-068//FC
Notes: Chapter
- Kerby JH, Geiger JG, Everson JM. 1992. Growth and survival of diploid and triploid sunshine bass during their second growing season. in. Aquaculture '92: Abstracts and Schedule of Events Marriott's Orlando World Center, Orlando, Florida. Call Number: 92-099//FC
Notes: Abstract
- Kerby JH, Harrell RM. 1990. Hybridization, genetic manipulation, and gene pool conservation of striped bass. [Pages 159-190]. in: Harrell RM, Kerby JH, Minton RV, editors. Culture and Propagation of Striped Bass and Its Hybrids. Bethesda, Maryland: Striped Bass Committee, Southern Division, American Fisheries

Society.
Call Number: 91-042//FC
Notes: Chapter

Kerby JH, Huish MT, Hinshaw JM. 1990. Flow cytometry can determine percentages of triploidy in fish larvae. U.S. Fish and Wildlife Service, Research Information Bulletin 42:2 pages.
Call Number: 90-058//FC
Notes: RIB

Kerby JH, Nash CE. 1995. Production of striped bass and other North American sports fish [Pages 161-174]. in: Nash CE, Novotny AJ, editors. Production of Aquatic Animals -- Fishes. Amsterdam: Elsevier Science B. V. World Animal Science Series; C8).
Call Number: 95-063//PY95//AE
Notes: Chapter

Ketola G. 1992. Reformulated salmon rations cut phosphorus discharge. Feedstuffs 64(36):10-8.
Call Number: 93-018//TL
Notes: Article

Ketola GH, Baltusis F. 1993. Influence of heat-processing of soybean meal on its nutritional value to Atlantic salmon. INFORM (International News on Fats, Oils and Related Materials) 4(4):517.
Call Number: 93-095//TL
Notes: Article

Ketola HG. 1990. Feeding fish to reduce phosphorus in hatchery effluents. Salmonid 14(3/4):10.
Call Number: 91-107//TL
Notes: Article

Ketola HG. 1991. Comparative responses of fry and fingerling Atlantic salmon (*Salmo salar*) to oxidized dietary lipids. in. Proceedings of the Atlantic Salmon Workshop Rockport, Maine.
Call Number: 92-004//TL
Notes: Conference Paper

Ketola HG. 1991. Managing fish hatchery discharges of phosphorus through nutrition. in. Engineering Aspects of Intensive Aquaculture: Proceedings from the Aquaculture Symposium Cornell University, Ithaca, New York.
Call Number: 91-108//TL
Notes: Conference Paper

Ketola HG. 1992. Fish nutrition. [Pages 142-150]. in: Schaeffer DO, editor. The Care and Use of Amphibians, Reptiles and Fish in Research. Bethesda, Maryland: Scientists Center for Animal Welfare.
Call Number: 93-044//TL
Notes: Chapter

Ketola HG. 1992. Scientists consider welfare of fish in conference. Salmonid 15(3):15.
Call Number: 92-042//TL
Notes: Article

Ketola HG. 1994. Use of defluorinated rock phosphate in trout and salmon diets to reduce soluble waste phosphorus. Aquaculture Magazine 20(6):85.
Call Number: 95-009//PY95//TL
Notes: Article

Ketola HG. 1994. Use of enzymes in diets of trout to reduce environmental discharges of phosphorus. in. World Aquaculture Society, World Aquaculture '94: Book of Abstracts New Orleans, Louisiana.

Call Number: 94-128//TL

Notes: Abstract

Ketola HG, Harland BF. 1993. Influence of phosphorus in rainbow trout diets on phosphorus discharges in effluent water. *Transactions of the American Fisheries Society* 122(6):1120-6.

Call Number: 94-132//TL

Notes: Article

Ketola HG, Richmond ME. 1994. Requirement of rainbow trout for dietary phosphorus and its relationship to the amount discharged in hatchery effluents. *Transactions of the American Fisheries Society* 123(4):587-94.

Call Number: 94-090//PY95//TL

Notes: Article

Ketola HG, Timmons MB. 1995. Influence of dietary binders on friability of excreta from rainbow trout. in. *Northeast Fish and Wildlife Conference* Ocean City, Maryland.

Call Number: 96-013//PY96//TL

Notes: Abstract

Ketola HG, Westers H, Houghton W, Pecor C. 1991. Effect of diet on growth and survival of coho salmon and on phosphorus discharges from a fish hatchery. *American Fisheries Society Symposium* 10:402-9.

Call Number: 92-007//TL

Notes: Article

Kieffer MC, Kynard B. 1993. Annual movements of shortnose and Atlantic sturgeons in the Merrimack River, Massachusetts. *Transactions of the American Fisheries Society* 122(6):1088-103.

Call Number: 94-115//TF

Notes: Article

Kieffer MC, Kynard B. 1996. Spawning of the shortnose sturgeon in the Merrimack River, Massachusetts. *Transactions of the American Fisheries Society* 125(2):179-86.

Call Number: 96-106//TF

Notes: Article

Kincaid H. 1995. Breeding plan to preserve the genetic variability of the Kootenai River white sturgeon. in: Lowie C, Krise W, editors. *Proceedings of the Workshop for the Conservation and Management of Lake Sturgeon in the Great Lakes: Problems and Perspectives, Issues and Concerns* Niagara Falls, New York. Amherst, New York: U.S. Fish and Wildlife Service, Lower Great Lakes Fishery Resources Office.

Call Number: 96-054//PY96//NF

Notes: Abstract

Kincaid H, Mengel L, Johnson J. 1994. Meristic and morphometric evaluation of parr from Atlantic salmon stocks collected from the downeast rivers of Maine in 1992 and 1993. Unpublished report. 15 pages.

Call Number: 95-109//PY96//NF

Notes: Unpublished Report

Kincaid HL Application of milt gene banks to support breeding strategies to preserve genetic variability in depressed fish populations. in. *Aquaculture '98 World Aquaculture Society Book of Abstracts* Bally's, Las Vegas, Nevada .

Call Number: 98-072//NF

Notes: Abstract

Kincaid HL. 1989. Nuclear cataract frequency in lake trout recovered from Lake Ontario in 1988. [Pages 18-28]. in. *Salmon Genetics Research Program Report Series, Technical Report 131*. St. Andrews, New Brunswick, Canada: Department of Fisheries and Oceans, Biological Station.

Call Number: 91-036//NF

Notes: Report

- Kincaid HL. 1990. Sex-reversal studies of Atlantic salmon (1989-90). in. Proceedings of the Atlantic Salmon Workshop U.S. Fish and Wildlife Service, Northeast Fishery Center, Rockport, Maine.
Call Number: 90-084//NF
Notes: Conference Paper
- Kincaid HL. 1991. Database for trout broodstocks. In. Genetic Conservation of Salmonid Fishes Moscow, Idaho and Pullman, Washington.
Call Number: 91-100//NF
Notes: Poster Presentation
- Kincaid HL. 1991. Gynogenesis and sex-reversal in Atlantic salmon.. in. Proceedings of the Atlantic Salmon Workshop Rockport, Maine.
Call Number: 92-048//NF
Notes: Conference Paper
- Kincaid HL. 1992. Data base for trout broodstocks. in. American Fisheries Society Abstracts - Rapid City 92 Rapid City, North Dakota.
Call Number: 93-003//NF
Notes: Abstract
- Kincaid HL. 1992. Registry for trout broodstock performance information. in. Proceedings of the East Coast Trout Culture and Management Workshop Penn State University, University Park, Pennsylvania.
Call Number: 93-033//NF
Notes: Abstract
- Kincaid HL. 1992. Strain registries for fishery management applications. in. Proceedings of the Atlantic Salmon Workshop Rockport, Maine.
Call Number: 93-036//NF
Notes: Conference Paper
- Kincaid HL. 1992. Use of visible implant tags compared in Atlantic salmon and lake trout. U.S. Fish and Wildlife Service, Research Information Bulletin 43:2 pages.
Call Number: 93-004//NF
Notes: RIB
- Kincaid HL. 1993. Breeding plan to preserve the genetic variability of the Kootenai River white sturgeon. U.S. Department of Energy, Bonneville Power Administration.
Call Number: 94-036//NF
Notes: Report
- Kincaid HL. 1993. Data base for trout brood stocks. [Pages 263-267]. in: Cloud JG, Thorgaard GH, Editors. Genetic Conservation of Salmonid Fishes. New York, New York: Penum Press.
Call Number: 94-063//NF
Notes: Chapter
- Kincaid HL. 1993. Effects of nuclear cataracts on yearling lake trout stocked in Lake Ontario. in. International Association of Great Lakes Research: Program and Abstracts. 36th Conference St. Norbert College, De Pere, Wisconsin.
Call Number: 94-017//NF
Notes: Abstract
- Kincaid HL. 1993. Selective breeding and domestication. [Pages 307-309]. in: Cloud JG, Thorgaard GH, Editors. Genetic Conservation of Salmonid Fishes. New York, New York: Penum Press.

Call Number: 94-064//NF
Notes: Chapter

Kincaid HL. 1994. Development of a hatchery broodstock for recovery of Green Lake strain of lake trout. *in* . American Fisheries Society. Symposium on the Uses and Effects of Cultured Fishes in Aquatic Ecosystems Albuquerque, New Mexico.
Call Number: 95-054//PY95//NF
Notes: Abstract

Kincaid HL. 1994. Hatchery performance of six Atlantic salmon stocks from fry to smolt. *Progressive Fish-Culturist* 56(2):111-6.
Call Number: 94-057//NF
Notes: Article

Kincaid HL. 1994. Inbreeding and effective population size in salmonid broodstocks in federal and state hatcheries. *in*. American Fisheries Society. Symposium on the Uses and Effects of Cultured Fishes in Aquatic Ecosystems Albuquerque, New Mexico.
Call Number: 95-053//PY95//NF
Notes: Abstract

Kincaid HL. 1995. Development of a hatchery broodstock for recovery of Green Lake strain of Lake Trout. American Fisheries Society Symposium 15:562-3.
Call Number: 95-093//PY96//NF
Notes: Conference Paper

Kincaid HL. 1995. An evaluation of inbreeding and effective population size in salmonid broodstocks in federal and state hatcheries. American Fisheries Society Symposium 15:193-204.
Call Number: 95-094//PY96//NF
Notes: Conference Paper

Kincaid HL. 1995. Kootenai River white sturgeon: breeding plan to conserve genetic variability. *in*. American Fisheries Society 125th Annual Meeting Tampa, Florida.
Call Number: 96-061//PY96//NF
Notes: Abstract

Kincaid HL. 1995. National trout strain registry: a new tool for fishery management. *in*. Looking to the Future: How Can We Meet the Need? East Coast Trout Management and Culture Workshop II Pennsylvania State University, University Park, Pennsylvania.
Call Number: 95-029//PY95//NF
Notes: Abstract

Kincaid HL. 1995. National trout strain registry. Information on broodstock diversity for fisheries management. *in*. Abstracts: 51st Annual Northeast Fish and Wildlife Conference Ocean City, Maryland.
Call Number: 95-056//PY95//NF
Notes: Abstract

Kincaid HL. 1995. The science of communication: as geneticists, are we our worse enemies? *in*. American Fisheries Society 125th Annual Meeting Tampa, Florida.
Call Number: 96-062//PY96//NF
Notes: Abstract

Kincaid HL. 1996. National fish broodstock registry a new tool for fishery management. *in*. Refrigeration and Aquaculture: Proceedings of the Conference of the Compte-rendu de la reunion de la Commission C2 de l'IIF. Bordeaux, France.
Call Number: 97-026//NF

Notes: Conference Paper

- Kincaid HL. 1997. Applications of national fish broodstock databases to inventory and monitor availability of fisheries resources for aquaculture. In. Conference Timetable and Abstracts: Sixth International Symposium on Genetics in Aquaculture Institute of Aquaculture, University of Stirling, Scotland. International Association for Genetics in Aquaculture.
Call Number: 97-072//NF
Notes: Abstract
- Kincaid HL. 1997. Effective population size to ensure genetic variability. In. U.S. Fish and Wildlife Service, Southeast Region Fisheries, Sturgeon Workshop Folly Beach, South Carolina.
Call Number: 97-070//NF
Notes: Abstract
- Kincaid HL, Brimm S, Cross V. 1994. National trout strain registry. Washington, D. C.: U.S. Fish and Wildlife Service, Division of Fish Hatcheries.
Call Number: 94-113//PY95//NF
Notes: Electronic Database
- Kincaid HL, Calkins GT. 1990. Retention of visual implant tags in lake trout and Atlantic salmon. in. 120th Annual Meeting of the American Fisheries Society Pittsburgh, Pennsylvania.
Call Number: 90-071//NF
Notes: Abstract
- Kincaid HL, Calkins GT. 1991. Rapid classification of nuclear cataracts in lake trout. Progressive Fish-Culturist 53(2):120-4.
Call Number: 91-088//NF
Notes: Article
- Kincaid HL, Calkins GT. 1992. Retention of visible implant tages in lake trout and Atlantic salmon. Progressive Fish-Culturist 54(3):163-70.
Call Number: 93-021//NF
Notes: Article
- Kincaid HL, Gray MJ, Mengel LJ, Brimm S. 1997. National Fish Strain Registry - Trout (NFSR-T) Operating Manual. U. S. Fish and Wildlife Service//U. S. Geological Survey//.
Call Number: 98-031//NF
Notes: Book//CD-ROM
- Kincaid HL, Gray MJ, Mengel LJ, Brimm S. 1997. National Fish Strain Registry - Trout Species Tables of Reported Strains and Broodstocks. U. S. Fish and Wildlife Service//U. S. Geological Survey//.
Call Number: 98-032//NF
Notes: Book
- Kincaid HL, Kerby H, Harrell RM. 1990. Induction of female to male sex-reversal in striped bass. U.S. Fish and Wildlife Service, Research Information Bulletin 99:3 pages.
Call Number: 91-015//NF//FC
Notes: RIB
- Kincaid HL, Krueger CC, May B. 1990. Reconstruction of the Green Lake strain of lake trout from feral stocks in Lake Michigan: a case study. in. 120th Annual Meeting of the American Fisheries Society Pittsburgh, Pennsylvania.
Call Number: 90-075//NF
Notes: Abstract

- Kincaid HL, Krueger CC, May B. 1991. Recovery of the Green Lake strain of lake trout from Lake Michigan stocks. In. Genetic Conservation of Salmonid Fishes Moscow, Idaho and Pullman, Washington.
Call Number: 91-099//NF
Notes: Poster Presentation
- Kincaid HL, Krueger CC, May B. 1993. Preservation of genetic variation in the Green Lake strain lake trout derived from remnant domestic and feral populations. North American Journal of Fisheries Management 13(2):318-25.
Call Number: 94-014//NF
Notes: Article
- Kincaid HL, Mengel LJ, Gray MJ, Brimm S. 1999. National Fish Strain Registry - Paddlefish and Sturgeon (NFSR-PS) Operating Manual. U. S. Geological Survey//U. S. Fish and Wildlife Service//.
Call Number: 99-092//NF
Notes: Book//CD-ROM
- Kincaid HL, Mengel LJ, Gray MJ, Brimm S. 1999. National Fish Strain Registry - Paddlefish and Sturgeon (NFSR-PS) Species Tables on Reported Populations and Broodstocks. U. S. Geological Survey//U. S. Fish and Wildlife Service//.
Call Number: 99-093//NF
Notes: Book
- Kincaid HL, Ostergaard D. 1989. Development of nuclear cataracts in hatchery-reared lake trout. U.S. Fish and Wildlife Service, Research Information Bulletin 106:3 pages.
Call Number: 90-022//NF
Notes: RIB
- Kincaid HL, Ostergaard D. 1989. Nuclear cataract development in hatchery-reared lake trout (*Salvelinus namaycush*). in. 31st Midwest Fish and Wildlife Conference Springfield, Illinois.
Call Number: 90-023//NF
Notes: Abstract
- Kincaid HL, Elrod JH. 1991. Growth and survival of stocked lake trout with nuclear cataracts in Lake Ontario. North American Journal of Fisheries Management 11(3):429-34.
Call Number: 92-014//NF
Notes: Article
- King TL, Eackles MS, Vilella RF. 1999. Assessment of molecular systematics of at-risk and endangered freshwater bivalves of the genus *Alasmidonta*. in. Program Guide & Abstracts The First Symposium of the Freshwater Mollusk Conservation Society. Musseling in on Biodiversity. Clarion Hotel. Chattanooga, TN.
Call Number: 99-075//AE
Notes: Abstract
- King TL, Ludke JL. 1995. A National Biological Service perspective on defining unique units in population conservation. American Fisheries Society Symposium 17:425-9.
Call Number: 96-036//PY96//AE
Notes: Conference Paper
- King TL, Smith ME, Vilella RF, Eackles MS, Lemarie D. 1995. Genetics and systematics of freshwater mussel species: species identification and delineation of population structure. in. Abstracts: 51st Annual Northeast Fish and Wildlife Conference Ocean City, Maryland.
Call Number: 95-072//PY95//AE
Notes: Abstract
- King TL, Vilella RF, Smith ME, Washington PI, Weller DA. 1995. Genetics and systematics of freshwater mussel

- species: a tissue repository. in. Abstracts: 51st Annual Northeast Fish and Wildlife Conference Ocean City, Maryland.
Call Number: 95-073//PY95//AE
Notes: Abstract
- King TL, Ward R, Blandon IR, Colura RL, Gold JR. 1995. Using genetics in the design of red drum and spotted seatrout stocking programs in Texas: a review. *American Fisheries Society Symposium* 15:499-502.
Call Number: 95-080//PY95//AE
Notes: Article
- King TL, Ward R, Zimmerman EG. 1994. Population structure of eastern oysters (*Crassostrea virginica*) inhabiting the Laguna Madre, Texas, and adjacent bay systems. *Canadian Journal of Fisheries and Aquatic Sciences* 51(Supplement 1):215-22.
Call Number: 95-082//PY95//AE
Notes: Article
- Klinger R, Francis-Floyd R, Blazer V. 1998. Ovarian ceroidosis in a cichlid, *Prognathochromis periri*: a clinical assessment. in. *Third International Symposium on Aquatic Animal Health Renaissance Harborplace Hotel*. Baltimore, Maryland.
Call Number: 98-090//FH
Notes: Abstract S15-3
- Klinger RC, Blazer VS, Echevarria C. 1996. Effects of dietary lipid on the hematology of channel catfish, *Ictalurus punctatus*. *Aquaculture* 147:225-33.
Call Number: 97-001//FH
Notes: Article
- Krementz DG, Seginak JT, Smith DR, Pendleton GW. 1994. Survival rates of American woodcock wintering along the Atlantic coast. *Journal of Wildlife Management* 58:147-55.
Call Number: 95-064//PY95//AE
Notes: Article
- Krise W, Hendrix M, Baker S, Bonnie W. 1993. Use of sperm activating salines in Atlantic salmon fertilization tests. in. *Proceedings of the Atlantic Salmon Workshop Rockport, Maine*.
Call Number: 94-107//PY95//NF
Notes: Article
- Krise W, Redell L, Barrows F. 1995. Feeding dry diets to lake sturgeon larvae as a starter diet. in: Lowie C, Krise W, editors. *Proceedings of the Workshop for the Conservation and Management of Lake Sturgeon in the Great Lakes: Problems and Perspectives, Issues and Concerns Niagara Falls, New York*. Amherst, New York: U.S. Fish and Wildlife Service, Lower Great Lakes Fishery Resources Office.
Call Number: 96-051//PY96//NF
Notes: Abstract
- Krise WF. 1990. Criteria for assessing the impact of gas supersaturation on hatchery fish. in. *120th Annual Meeting of the American Fisheries Society Pittsburgh, Pennsylvania*.
Call Number: 90-064//NF
Notes: Abstract
- Krise WF. 1991. Hatchery management of lake trout exposed to chronic dissolved gas supersaturation. *American Fisheries Society Symposium* 10:368-71.
Call Number: 92-017//NF
Notes: Article
- Krise WF. 1991. Physiological stress in hatchery fish and its effects on resistance to disease. in. *Proceedings of the*

North Central Aquaculture Conference Kalamazoo, Michigan.
Call Number: 92-040//NF
Notes: Conference Paper

Krise WF. 1991. Physiological stress in hatchery fish and its effects on resistance to disease. In. Abstracts: North Central Aquaculture Conference Kalamazoo, Michigan.
Call Number: 91-075//NF
Notes: Abstract

Krise WF. 1993. Effects of one-year exposure to gas supersaturation on lake trout. *Progressive Fish-Culturist* 55(3):169-76.
Call Number: 94-016//NF
Notes: Article

Krise WF. 1995. Setting rearing conditions for the maintenance of productive lake trout broodstock. in. *Looking to the Future: How Can We Meet the Need?* East Coast Trout Management and Culture Workshop II Pennsylvania State University, University Park, Pennsylvania.
Call Number: 95-028//PY95//NF
Notes: Conference Paper

Krise WF. 1997. Fertilization of Atlantic salmon eggs using cold-stored sperm. in. Abstracts: 53rd Annual Northeast Fish and Wildlife Conference Framingham, Massachusetts.
Call Number: 97-038//NF
Notes: Abstract

Krise WF. 1997. Sensitivity of Atlantic salmon eggs to mechanical shock. in. Abstracts: 53rd Annual Northeast Fish and Wildlife Conference Framingham, Massachusetts.
Call Number: 97-037//NF
Notes: Abstract

Krise WF. 1999. Biochemical marking of salmonid fry for stock identification. in. *Aquaculture America 1999: Book of Abstracts* Tampa Convention Center. Tampa, Florida.
Call Number: 99-083//NF
Notes: Abstract

Krise WF. 1999. Stocking density and loading rates affect stress levels and reproduction in lake trout. in. *Aquaculture America 1999: Book of Abstracts* Tampa Convention Center. Tampa, Florida.
Call Number: 99-082//NF
Notes: Abstract

Krise WF, Binkowski FP. 1997. Effects of stocking density on juvenile bloaters reared for restoration stocking. in. *International Association for Great Lakes Research: 40th Conference: Program and Abstracts* Buffalo State College and University of Buffalo, Buffalo, New York.
Call Number: 97-042//NF
Notes: Abstract

Krise WF, Binkowski FP. 1997. Effects of stocking density on larval bloaters reared for restoration stocking. in. *International Association for Great Lakes Research: 40th Conference: Program and Abstracts* Buffalo State College and University of Buffalo, Buffalo, New York.
Call Number: 97-043//NF
Notes: Abstract

Krise WF, Binkowski FP. 1997. Response of juvenile bloaters to handling and transport density. in. *International Association for Great Lakes Research: 40th Conference: Program and Abstracts* Buffalo State College and University of Buffalo, Buffalo, New York.

Call Number: 97-041//NF
Notes: Abstract

Krise WF, Bonney WA. 1990. An in-line oxygen injection study on a hatchery water supply. U.S. Fish and Wildlife Service, Research Information Bulletin 101:3 pages.

Call Number: 91-017//NF
Notes: RIB

Krise WF, Bonney WA. 1990. Use of oxygen injection in a supply line contact system. in. 120th Annual Meeting of the American Fisheries SocietyPittsburgh, Pennsylvania.

Call Number: 90-072//NF
Notes: Abstract

Krise WF, DiLauro MN, Fynn-Aikins K, Barrows FT. 1994. Diet preferences and growth of cultured juvenile lake sturgeon. Midwest Tribal Aquaculture Network Newsletter 7(March):16-7.

Call Number: 94-125//NF//TL
Notes: Article

Krise WF, DiLauro MN, Fynn-Aikins K, Barrows FT. 1994. Diet preferences and growth of intensively cultured juvenile lake sturgeon (*Acipenser fulvescens*). in. Abstracts: 50th Annual Northeast Fish and Wildlife ConferenceSheraton-Burlington Hotel and Conference Center, Burlington, Vermont.

Call Number: 94-059//NF//TL
Notes: Abstract

Krise WF, DiLauro MN, Redell LA. 1994. Getting started: intensive rearing of larval Atlantic and lake sturgeon for restoration programs. in. International Conference on Sturgeon Biodiversity and ConservationAmerican Museum of Natural History, New York, New York.

Call Number: 95-055//PY95//NF
Notes: Abstract

Krise WF, DiLauro MN, Redell LA. 1995. Getting started: intensive rearing of larval Atlantic and lake sturgeon for restoration programs. Sturgeon Quarterly 3(2):11.

Call Number: 95-058//PY95//NF
Notes: Article

Krise WF, DiLauro MN, Redell LA, Barrows FT. 1995. An overview of lake sturgeon feeding and intensive culture studies. in: Lowie C, Krise W, editors. Proceedings of the Workshop for the Conservation and Management of Lake Sturgeon in the Great Lakes: Problems and Perspectives, Issues and ConcernsNiagara Falls, New York. Amherst, New York: U.S. Fish and Wildlife Service, Lower Great Lakes Fishery Resources Office.

Call Number: 96-050//PY96//NF
Notes: Abstract

Krise WF, DiLauro MN, Watten BJ, Ross RM. 1993. Comparison of rearing efficiency of rainbow trout in rectangular, circular, and cross-flow rearing tanks. in. 123rd Annual Meeting, American Fisheries SocietyPortland, Oregon.

Call Number: 93-103//NF
Notes: Abstract

Krise WF, Hendrix MA, Baker SE, Bonney WA. 1992. Effects of sperm:egg ratio on fertilization of Atlantic salmon eggs. in. Proceedings of the Atlantic Salmon WorkshopRockport, Maine.

Call Number: 93-041//NF
Notes: Conference Paper

Krise WF, Herman RL. 1991. Resistance of underyearling and yearling Atlantic salmon and lake trout to supersaturation with air. Journal of Aquatic Animal Health 3(4):248-53.

Call Number: 92-038//NF//FH

Notes: Article

Krise WF, Meade JW, McClain JR. 1994. Evaluation of the effects of an oxygen injection system on the growth, hematology, and immunity of lake trout. *Progressive Fish-Culturist* 56(3):207-10.

Call Number: 94-095//PY95//NF

Notes: Article

Krise WF, Meade JW, Smith RA. 1990. Effect of feeding rate and gas supersaturation on survival and growth of lake trout. *Progressive Fish-Culturist* 52:45-50.

Call Number: 90-046//NF

Notes: Article

Krise WF, Redell LA. 1993. Effects of density and loading on lake trout response to stress and reproduction. in. Abstracts: 49th Annual Northeast Fish and Wildlife Conference Atlantic City, New Jersey.

Call Number: 93-062//NF

Notes: Abstract

Krise WF, Ridge WJ, Mengel LJ. 1991. System for continuously monitoring dissolved gas in multiple water sources. *American Fisheries Society Symposium* 10:495-506.

Call Number: 92-016//NF

Notes: Article

Krise WF, Smith RA. 1991. Tolerance of juvenile lake trout exposed to gas supersaturation. *Progressive Fish-Culturist* 53(1):17-20.

Call Number: 91-076//NF

Notes: Abstract

Krise WF, Smith RA. 1993. Eye abnormalities of lake trout exposed to gas supersaturation. *Progressive Fish-Culturist* 55(3):177-9.

Call Number: 94-015//NF

Notes: Article

Krise WF, Sternick JL, Fletcher JW. 1997. Immunological marking of Atlantic salmon fry for stock identification. in. Abstracts: 53rd Annual Northeast Fish and Wildlife Conference Framingham, Massachusetts.

Call Number: 97-039//NF

Notes: Abstract

Krise WF, Watten B. J., DiLauro MN, Timmons MB. 1993. Effects of suspended organic solids on the growth and blood chemistry of rainbow trout. in. 123rd Annual Meeting, American Fisheries Society Portland, Oregon.

Call Number: 93-101//NF

Notes: Abstract

Kynard B. 1993. Anadromous fish behavior important for fish passage. *Canadian Technical Report of Fisheries and Aquatic Sciences* 1905:95-105.

Call Number: 93-084//TF

Notes: Article

Kynard B. 1997. Life history, latitudinal patterns, and status of the shortnose sturgeon, *Acipenser brevirostrum*. *Environmental Biology of Fishes* 48(1-4):319-34.

Call Number: 97-082//TF

Notes: Article

Kynard B. 1998. Twenty-two years of passing shortnose sturgeon in fish lifts on the Connecticut River: What has been learned? [Pages 255-264]. in: Jungwirth M, Schmutz S, Weiss S, editors. *Fish Migration and Fish*

- Bypasses. Oxford, United Kingdom: Fishing News Books.
Call Number: 98-107//TF
Notes: Chapter
- Kynard B, Buerkett C. 1997. Passage and behavior of adult American shad in an experimental louver bypass system. *North American Journal of Fisheries Management* 17(3):734-42.
Call Number: 97-083//TF
Notes: Article
- Kynard B, O'leary J. 1990. Behavioral guidance of adult American shad using underwater AC electrical and acoustic fields. In. *Proceedings of the International Symposium on Fishways '90*Gifu, Japan.
Call Number: 90-093//TF
Notes: Conference Paper
- Kynard B, O'Leary J. 1993. Evaluation of a bypass system for spent American shad at Holyoke Dam, Massachusetts. *North American Journal of Fisheries Management* 13:782-9.
Call Number: 93-116//TF
Notes: Article
- Kynard B, Odeh M, Haro A. 1996. Clay, C. H. 1995. *Design of fishways and other fish facilities*, 2nd edition. CRC Press, Inc., Boca Raton, Florida. 248 pages. \$63.00. *Transactions of the American Fisheries Society* 125(2):631.
Call Number: 96-037//PY96//TF
Notes: Book Review
- Kynard B, Wei Q. 1995. Use of ultrasonic telemetry to locate the spawning area of Chinese sturgeons. *Chinese Science Bulletin* 40(8):668-71.
Call Number: 95-101//PY96//TF
Notes: Article
- LaPan S, Klindt RM, Schiavone AJr, Johnson J. 1995. Lake sturgeon field studies on the St. Lawrence River and its tributaries. in: Lowie C, Krise W, editors. *Proceedings of the Workshop for the Conservation and Management of Lake Sturgeon in the Great Lakes: Problems and Perspectives, Issues and Concerns*Niagara Falls, New York. Amherst, New York: U.S. Fish and Wildlife Service, Lower Great Lakes Fishery Resources Office.
Call Number: 96-053//PY96//NF
Notes: Abstract
- LaPan SR, Johnson JH, Klindt RM. 1996. Lake sturgeon restoration through spawning habitat enhancement in the St. Lawrence River. in. *Ecosystem Approach to Management: Interdisciplinary Applications*. Abstracts from the Joint Meeting of the New York Chapters of the American Fisheries Society, the Society of American Foresters, and The Wildlife SocietyLiverpool, New York.
Call Number: 96-003//PY96//TL
Notes: Abstract
- Leatherman SP, Chalfont R, Pendleton EC, McCandless TL, Funderburk S. 1995. *Vanishing lands: sea level, society and Chesapeake Bay*. Annapolis, Maryland: U.S. Fish and Wildlife Service, Chesapeake Bay Program.
Call Number: 95-065//PY95//AE
Notes: Book
- Lee E, Honeyfield DC. 1996. Effect of a thiamine antagonist on blood thiamine levels in lake trout. in. *New York Academy of Sciences, Science Research Training Program, Journal of Abstracts*.
Call Number: 97-022//NF
Notes: Abstract

- Lellis B. 1994. Diet affects body composition of chinook salmon. National Biological Survey, Research Information Bulletin 67:4 pages.
Call Number: 94-112//PY95//NF
Notes: RIB
- Lellis WA. 1994. Phosphorus requirement of the chinook salmon (*Oncorhynchus tshawytscha*) at three temperatures. in. World Aquaculture '94: Book of Abstracts. World Aquaculture Society. New Orleans, Louisiana.
Call Number: 94-042//NF
Notes: Abstract
- Lellis WA, Barrows FT. 1997. The effect of diet on dorsal fin erosion in steelhead trout (*Oncorhynchus mykiss*).
Aquaculture 156(3/4):229-40.
Call Number: 98-027//NF
Notes: Article
- Lellis WA, Barrows FT, Peterson M, Hardy RW, Dong FM, Haard NF. 1995. Effect of phosphorus depletion diets on survival, growth, and processing characteristics of finishing rainbow trout. in. 24th Fish Feed and Nutrition Workshop School of Natural Resources, Ohio State University, Columbus, Ohio.
Call Number: 96-063//PY96//NF
Notes: Abstract
- Lellis WA, Flynn RL. 1999. A nondestructive method to determine the sex of live *Elliptio Complanata*. in. Program Guide & Abstracts The First Symposium of the Freshwater Mollusk Conservation Society. Musseling in on Biodiversity. Clarion Hotel. Chattanooga, TN.
Call Number: 99-048//NF
Notes: Abstract
- Lellis WA, Johnson CS. 1996. Delayed reproduction of the freshwater mussel, *Elliptio complanata* through temperature and photoperiod control. in. Program and Abstracts: 88th Annual Meeting of the National Shellfisheries Association Baltimore, Maryland.
Call Number: 96-065//PY96//NF
Notes: Abstract
- Lellis WA, Johnson C. S. 1998. Experiences with captive maintenance of Atlantic slope unionids in small research systems [CC]. in. Conservation, Captive Care, & Propagation Freshwater Mussel Symposium: Program & Abstracts Holiday Inn-Worthington, Columbus, Ohio.
Call Number: 98-022//NF
Notes: Abstract
- Lellis WA, King TL. 1998. Release of metamorphosed juveniles by the green floater, *Lasmigona subviridis* [Page 23]. in. Triannual Unionid Report . Asheville, North Carolina: U. S. Fish and Wildlife Service. Report No. 16.
Call Number: 99-055//NF//AE
Notes: Report
- Lellis WA, King TL, DiLauro MN. 1999. Release of metamorphosed juveniles by the green floater, *Lasmigona subviridis*. in. Program Guide & Abstracts The First Symposium of the Freshwater Mollusk Conservation Society. Musseling in on Biodiversity. Clarion Hotel. Chattanooga, TN.
Call Number: 99-049//NF/AE
Notes: Abstract
- Lellis WA, Pardee-Woodring MG, Creswell RL. 1997. Prospects for spiny lobster aquaculture in the Caribbean. in. Martinique 97 - Island Aquaculture and Tropical Aquaculture: Short Communications and Abstracts. Les Trois Ilets, Martinique, French West Indies. Oostende, Belgium: European Aquaculture

- Society.
Call Number: 97-035//NF
Notes: Conference Paper
- Lellis WA, Peterson M. 1994. A system for applying selected environmental stressors to fish. in. World Aquaculture '94: Book of Abstracts. World Aquaculture Society. New Orleans, Louisiana.
Call Number: 94-040//NF
Notes: Abstract
- Lellis WA, Plerhoples TA. 1997. Development of anesthetics for the mussel *Elliptio complanata*. Journal of Shellfish Research 16:355-6.
Call Number: 97-073//NF
Notes: Abstract
- Lellis WA, Smith RR. 1994. Influence of dietary protein level and feeding method on growth and body composition of juvenile chinook salmon (*Oncorhynchus tshawytscha*). in. Abstracts: 21st Fish Feed and Nutrition Workshop Davis, California.
Call Number: 94-043//NF
Notes: Abstract
- Lemarie D, Lemm C, Henderson-Arzapalo A, Geiger J. 1990. Microtag retention and post-tagging survival of striped bass can be improved. U.S. Fish and Wildlife Service, Research Information Bulletin 100:3 pages.
Call Number: 91-016//FC
Notes: RIB
- Lemarie DP, Weller DA, Theisen DD, Woods LCI. 1997. Evaluation of an electronic fry counter with striped bass embryos and larvae. Progressive Fish-Culturist 59:71-4.
Call Number: 97-047//AE
Notes: Article
- Lemm C, Geiger J, Herman R. 1989. Trout feed caused liver pathology when fed to striped bass. U.S. Fish and Wildlife Service, Research Information Bulletin 79:2 pages.
Call Number: 90-004//FC//FH
Notes: RIB
- Lemm C, Lemarie DP. 1990. Enriched artemia diet increases striped bass survival. U.S. Fish and Wildlife Service, Research Information Bulletin 89:2 pages.
Call Number: 91-021//FC
Notes: RIB
- Lemm CA. 1993. Evaluation of five anesthetics on striped bass. U.S. Fish and Wildlife Service Resource Publication 196:10 pages.
Call Number: 93-091//FC
Notes: Article
- Lemm CA, Herman RL, Lemarie DP, Arzapalo A. 1993. Effects of diet and environmental salinity on the growth, mortality, and tissue structure of juvenile striped bass. Journal of Aquatic Animal Health 5:294-305.
Call Number: 94-029//FC//FH
Notes: Article
- Lemm CA, Lemarie DP. 1991. Chiller system preserves size and developmental stage of brine shrimp for larval fish food. U.S. Fish and Wildlife Service, Research Information Bulletin 93:3 pages.
Call Number: 92-029//FC
Notes: RIB

- Lemm CA, Lemarie DP. 1991. Survival and growth of larval striped bass (*Morone saxatilis*) fed Artemia enriched with highly unsaturated fatty acids (HUFA). *Aquaculture* 99(1/2):117-26.
Call Number: 92-024//FC
Notes: Article
- Leonard JBK, McCormick SD. 1997. The effect of migration distance on whole body and tissue specific energy use in American shad (*Alosa sapidissima*). *American Zoologist* 37(5):299.
Call Number: 98-111//TF
Notes: Abstract
- Leonard JBK, McCormick SD. 1999. The effect of migration distance and timing on metabolic enzyme activity in an anadromous clupeid, the American shad (*Alosa sapidissima*). *Fish Physiology and Biochemistry* 20(2):163-79.
Call Number: 99-060//TF
Notes: Article
- Leonard SE, Boyd CE, Kerby H, Watten BJ. 1994. Effects of water exchange and soil on water quality in plastic-lined striped bass ponds. in. *American Fisheries Society 124th Annual Meeting* Halifax, Nova Scotia.
Call Number: 94-102//PY95//AE
Notes: Abstract
- Letcher BH, Priddy JA, Walters JR, Crowder LB. 1998. An individual-based, spatially-explicit simulation model of the population dynamics of the endangered red-cockaded woodpecker, *Picoides borealis*. *Biological Conservation* 86:1-4.
Call Number: 98-052//TF
Notes: Article
- Letcher BH, Rice JA. 1997. Prey patchiness and larval fish growth and survival: inferences from an individual-based model. *Ecological Modelling* 95:29-43.
Call Number: 97-025//TF
Notes: Article
- Letcher BH, Rice JA, Crowder LB, Binkowski FP. 1996. Size-dependent effects of continuous and intermittent feeding on starvation time and mass loss in starving yellow perch larvae and juveniles. *Transactions of the American Fisheries Society* 125(1):14-26.
Call Number: 97-058//TF
Notes: Article
- Letcher BH, Rice JA, Crowder LB, Binkowski FP. 1997. Size- and species-dependent variability in consumption and growth rates of larvae and juveniles of three freshwater fishes. *Canadian Journal of Fisheries and Aquatic Sciences* 54(2):405-14.
Call Number: 97-068//TF
Notes: Article
- Letcher BH, Rice JA, Crowder LB, Rose KA. 1996. Variability in survival of larval fish: disentangling components with a generalized individual-based model. *Canadian Journal of Fisheries and Aquatic Sciences* 53(4):787-801.
Call Number: 97-057//TF
Notes: Article
- Letcher BH, Terrick TD. 1998. Maturation of male age-0 Atlantic salmon following a massive, localized flood. *Journal of Fish Biology* 53(6):1243-52.
Call Number: 99-030//TF
Notes: Article

- Letcher BH, Terrick TD. 1998. Thermal marking of Atlantic salmon otoliths. *North American Journal of Fisheries Management* 18(2):406-10.
Call Number: 98-051//TF
Notes: Article
- Lewis TD, Ottinger CA, Kaattari SL. 1998. Development of immunodiagnosics for *Perkinsus marinus*. in. 23rd Annual Eastern Fish Health Workshop John Carver Inn, Plymouth, Massachusetts.
Call Number: 98-034//FH
Notes: Abstract
- Limburg KE, Ross RM. 1995. Growth and mortality rates of larval American shad, *Alosa sapidissima*, at different salinities. *Estuaries* 18(2):335-40.
Call Number: 96-027//PY96//NF
Notes: Article
- Lingenfelser JT, Blazer VS, Gay J. 1995. Influence of fish oils in production catfish feeds on selected disease resistance factors. *Journal of Applied Aquaculture* 5(2):37-48.
Call Number: 96-006//PY96//FH
Notes: Article
- Liu CF, Backman TWH. 1990. Use of human chorionic gonadotropin to induce spawning in American shad. in. 120th Annual Meeting of the American Fisheries Society Pittsburgh, Pennsylvania.
Call Number: 90-061//NF
Notes: Abstract
- [Anonymous]. 1995. Lowie C, Krise W, editors. Proceedings of the Workshop for the Conservation and Management of Lake Sturgeon in the Great Lakes: Problems and Perspectives, Issues and Concerns Niagara Falls, New York. Amherst, New York: U.S. Fish and Wildlife Service, Lower Great Lakes Fishery Resources Office.
Call Number: 96-055//PY96//NF
Notes: Proceedings
- Lubinski BA, King TL, Eackles MS. 1997. Identification of genetic diversity in Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*) using polymorphic microsatellite markers. In. Abstracts: 127th Annual Meeting American Fisheries Society Monterey, California.
Call Number: 97-069//AE
Notes: Abstract
- Lucash CF, Crawford BA, Clark JD. 1999. Species repatriation: red wolf. [Pages 225-246]. in: Peine JD, editor. Ecosystem management for sustainability: principles and practices illustrated by a regional biosphere reserve cooperative. Boca Raton, Florida: Lewis Publishers.
Call Number: 98-053//SAL
Notes: Chapter
- Luzier JM, Summerfelt RC, Ketola HG. 1995. Partial replacement of fish meal with spray-dried blood powder to reduce phosphorus concentrations in diets for juvenile rainbow trout, *Oncorhynchus mykiss* (Walbaum). *Aquaculture Research* 26:577-87.
Call Number: 95-085//PY96//TL
Notes: Article
- Madsen SS, McCormick SD, Young G, Endersen JS, Nichioka RS, Bern HA. 1994. Physiology of seawater acclimation in the striped bass, *Morone saxatilis* (Walbaum). *Fish Physiology and Biochemistry* 13(1):1-11.
Call Number: 95-002//PY95//TF
Notes: Article

- Mancera JM, McCormick SD. 1998. Evidence for growth hormone/insulin-like growth factor I axis regulation of seawater acclimation in the euryhaline teleost *Fundulus heteroclitus*. *General and Comparative Endocrinology* 111:103-12.
Call Number: 98-105//TF
Notes: Article
- Mancera JM, McCormick SD. 1998. Osmoregulatory actions of the GH/IGF axis in non-salmonid teleosts. *Comparative Biochemistry and Physiology, Part B* 121:43-8.
Call Number: 99-035//TF
Notes: Article
- Mann JA. 1989. Selected bibliography on diseases and parasites of fishes: books, proceedings, and reviews, 1978-1989. U.S. Fish and Wildlife Service, Fish Disease Leaflet 81:7 pages.
Call Number: 90-003//TIS
Notes: Article
- Mann JA. 1990. Viral hemorrhagic septicemia of fishes. U.S. Fish and Wildlife Service, Fish Health Bulletin 9.
Call Number: 91-007//TIS
Notes: Article
- Markey PT, Blazer VS. 1994. *Loma* sp. in salmonids from the Eastern United States: associated lesions. in. 1994 Eastern Fish Health Workshop Blacksburg, Virginia.
Call Number: 94-081//PY94//FH
Notes: Abstract 12
- Markey PT, Blazer VS, Ewing MS, Kocan KM. 1994. *Loma* sp. in salmonids from the Eastern United States: associated lesions in rainbow trout. *Journal of Aquatic Animal Health* 6(4):318-28.
Call Number: 95-012//PY95//FH
Notes: Article
- Markiw ME. 1991. Whirling disease: earliest susceptible age of rainbow trout to the triactinomyxid of *Myxobolus cerebralis*. *Aquaculture* 91(2):1-6.
Call Number: 91-023//FH
Notes: Article
- Markiw ME. 1992. Experimentally induced whirling disease. I. Dose response of fry and adults of rainbow trout exposed to the Triactinomyxon stage of *Myxobolus cerebralis*. *Journal of Aquatic Animal Health* 4(1):40-3.
Call Number: 92-034//FH
Notes: Article
- Markiw ME. 1992. Experimentally induced whirling disease. II. Determination of longevity of the infective Triactinomyxon stage of *Myxobolus cerebralis* by vital staining. *Journal of Aquatic Animal Health* 4(1):44-7.
Call Number: 92-035//FH
Notes: Article
- Markiw ME. 1992. Salmonid whirling disease. U.S. Fish and Wildlife Service, Fish and Wildlife Leaflet 17:11 pages.
Call Number: 93-001//FH
Notes: Article
- Marsden JE, Krueger CC, Grewe PM, Kincaid HL, May B. 1993. Genetic comparison of naturally spawned and artificially propagated Lake Ontario trout fry: evaluation of a stocking strategy for species rehabilitation. *North American Journal of Fisheries Management* 13(2):304-17.
Call Number: 94-019//NF

Notes: Article

Matey V, Jagoe C, Haines T. 1994. Morphology of the gill apparatus of fish from acidic lakes [Pages 213-228]. in: Komov V, editor. Structure and Functioning of Ecosystems in Acidic Lakes. St. Petersburg, Russia: Russian Academy of Sciences. (In Russian).

Call Number: 95-066//PY95//AE

Notes: Chapter

Matey VE, Jagoe CH, Haines TA, Komov VT, Cleveland L. 1996. Mortality and gill damage from Beryllium in acidic water: a comparison of acute and chronic responses in three freshwater fish species. in: Schoettger RA, editor. Problems of Aquatic Toxicology, Biotesting and Water Quality Management. Proceedings of USA-Russia Symposium Borok, Jaroslavl Oblast. Athens, Georgia: U.S. Environmental Protection Agency, Ecosystems Research Division .

Call Number: 97-077//AE

Notes: Conference Paper

May B, Krueger CC, Kincaid HL. 1997. Genetic variation of microsatellite loci in sturgeon: primer sequence homology in *Acipenser* and *Scaphirhynchus* . Canadian Journal of Fisheries and Aquatic Sciences 54(7):1542-7.

Call Number: 97-074//NF

Notes: Article

McAllister KW, McAllister PE, Simon RC, Werner JK. 1992. Performance of nine external tags on hatchery-reared rainbow trout. Transactions of the American Fisheries Society 121(2):13-6.

Call Number: 92-086//FC//FH

Notes: Article

McAllister P, Bebak J, Baker C. 1996. Effluent from an aquaculture facility: point discharge and downstream distribution of infectious pancreatic necrosis virus, a serious pathogen of salmonid and nonsalmonid fish. in. 52nd Annual Northeast Fish and Wildlife Conference Farmington, Connecticut.

Call Number: 96-091//PY96//FH

Notes: Abstract

McAllister PE. 1989. Infecciones viricas de peces cultivados. (The viruses and virus infections of cultured and feral fish). in: de los Monteros E, Labarta U, editors. Patologia en acuicultura. Plan de Formacion de Tecnicos Superiores en Acuicultura (FEUGA) Madrid, Spain.

Call Number: 90-002//FH

Notes: Conference Paper

McAllister PE. 1990. Viral hemorrhagic septicemia of fishes. U.S. Fish and Wildlife Service, Fish Disease Leaflet 83:5 pages.

Call Number: 90-032//FH

Notes: Article

McAllister PE. 1991. Lake trout epidermal hyperplasia. Pacific Northwest Fish Health Protection Committee.

Call Number: 91-092//FH

Notes: Report

McAllister PE. 1993. Cold-water fish viruses [Pages 697-711]. in: Stoskopf MK. Fish medicine. Philadelphia, Pennsylvania: W. B. Saunders Company.

Call Number: 93-016//FH

Notes: Chapter

McAllister PE. 1993. Freshwater temperate fish viruses [Pages 284-300]. in: Stoskopf MK. Fish medicine. Philadelphia, Pennsylvania: W. B. Saunders Company.

Call Number: 93-012//FH
Notes: Chapter

McAllister PE. 1993. Freshwater tropical fish viruses [Pages 569-572]. in: Stoskopf MK. Fish medicine. Philadelphia, Pennsylvania: W. B. Saunders Company.
Call Number: 93-013//FH
Notes: Chapter

McAllister PE. 1993. Goldfish, koi, and carp viruses [Pages 478-486]. in: Stoskopf MK. Fish medicine. Philadelphia, Pennsylvania: W. B. Saunders Company.
Call Number: 93-010//FH
Notes: Chapter

McAllister PE. 1993. Marine tropical fish viruses [Pages 642-646]. in: Stoskopf MK. Fish medicine. Philadelphia, Pennsylvania: W. B. Saunders Company.
Call Number: 93-014//FH
Notes: Chapter

McAllister PE. 1993. Salmonid fish viruses [Pages 380-408]. in: Stoskopf MK. Fish medicine. Philadelphia, Pennsylvania: W. B. Saunders Company.
Call Number: 93-011//FH
Notes: Chapter

McAllister PE. 1993. Shark viruses [Pages 780-782]. in: Stoskopf MK. Fish medicine. Philadelphia, Pennsylvania: W. B. Saunders Company.
Call Number: 93-015//FH
Notes: Chapter

McAllister PE. 1994. Infectious pancreatic necrosis [Section 6, Pages 1-4]. in: Thoesen JC, editor. Suggested Procedures for the Detection and Identification of Certain Finfish and Shellfish Pathogens. 4th edition, version 1 ed. Bethesda, Maryland: American Fisheries Society, Fish Health Section.
Call Number: 94-079//PY94//FH
Notes: Chapter

McAllister PE. 1994. Viral hemorrhagic septicemia [Section 8, Pages 1-4]. in: Thoesen JC, editor. Suggested Procedures for the Detection and Identification of Certain Finfish and Shellfish Pathogens. 4th edition, version 1 ed. Bethesda, Maryland: American Fisheries Society, Fish Health Section.
Call Number: 94-080//PY94//FH
Notes: Chapter

McAllister PE. 1995. Susceptibility of lineages of chinook salmon embryo cells (CHSE-214) to four salmonid fish viruses. in. 1995 Joint Meeting, American Fisheries Society Fish Health Section and Eastern Fish Disease Workshop Syracuse, New York.
Call Number: 95-112//PY96//FH
Notes: Abstract

McAllister PE. 1996. Environmental distribution of infectious pancreatic necrosis virus: discharge of virus in aquaculture effluent. in. 1996 Annual Meeting, Great Lakes Fish Disease Control Committee Onalaska, Wisconsin.
Call Number: 96-092//PY96//FH
Notes: Abstract

McAllister PE. 1996. Lake trout herpesvirus: current research at the National Fish Health Research Laboratory. in. 1996 Annual Meeting, Great Lakes Fish Disease Control Committee Onalaska, Wisconsin.
Call Number: 96-093//PY96//FH

Notes: Abstract

- McAllister PE. 1996. Viruses associated with diseases of walleye, sauger, and walleye x sauger hybrids. [Pages 355-367]. in: Summerfelt RC, editor. Walleye Culture Manual. Ames, Iowa: North Central Regional Aquaculture Center Publications Office, Iowa State University. NCRAC Culture Series; 101).
Call Number: 96-090//PY96//FH
Notes: Chapter
- McAllister PE. 1997. Susceptibility of 12 lineages of chinook salmon embryo cells (CHSE-214) to four viruses from salmonid fish: implications for clinical assay sensitivity. *Journal of Aquatic Animal Health* 9(4):291-4.
Call Number: 98-096//FH
Notes: Article
- McAllister PE. 1998. Infectious pancreatic necrosis virus: diagnosis, control, and epidemiology. in. First Russia - USA Symposium: Aquaculture and Fish Health: Program and Abstracts. Rybnoe, Dmitrov Region, Moscow Province, Russia. Moscow, Russia: Ministry of Agriculture and Foodstuffs of Russia, Department of Fishery, All-Russian Research Institute of Freshwater Fisheries//United States Department of the Interior, National Geological Survey, National Fish Health Research Laboratory.
Call Number: 98-083//FH
Notes: Abstract
- McAllister PE. 1998. Viruses and virus infections in cultured and wild fishes in the Great Lakes region of the United States. in. First Russia - USA Symposium: Aquaculture and Fish Health: Program and Abstracts. Rybnoe, Dmitrov Region, Moscow Province, Russia. Moscow, Russia: Ministry of Agriculture and Foodstuffs of Russia, Department of Fishery, All-Russian Research Institute of Freshwater Fisheries//United States Department of the Interior, National Geological Survey, National Fish Health Research Laboratory.
Call Number: 98-077//FH
Notes: Abstract
- McAllister PE. 1999. Chronic, low-level exposure to Infectious Pancreatic Necrosis (IPNV): an estimation of effects on early life stages of rainbow trout, *Oncorhynchus mykiss*. in. Fifty-fifth Annual Northeast Fish and Wildlife Conference Abstracts: Looking ahead: Fish and Wildlife Management in the 21st Century. New Hampshire Fish and Game Department, Manchester, New Hampshire. Concord, New Hampshire: New Hampshire Fish and Game Department.
Call Number: 99-041//FH
Notes: Abstract
- McAllister PE, Bebak J. 1996. Detection of infectious pancreatic necrosis virus in the environment: an appraisal of stream water and of effluent from salmonid fish hatcheries. in. 21st Annual Eastern Fish Health Workshop. Virginia Institute of Marine Science, Gloucester Point, Virginia.
Call Number: 96-076//PY96//FH
Notes: Abstract
- McAllister PE, Bebak J. 1997. Infectious pancreatic necrosis virus: detection, distribution, and environmental significance in stream water and effluent from salmonid fish hatcheries. in. Symposium on Pathogens and Diseases of Fish in Aquatic Ecosystems: Implications in Fisheries Management. Portland, Oregon.
Call Number: 97-005//FH
Notes: Abstract
- McAllister PE, Bebak J. 1997. Infectious pancreatic necrosis virus in the environment: relationship to effluent from aquaculture facilities. *Journal of Fish Diseases* 20:201-7.
Call Number: 97-019//FH
Notes: Article
- McAllister PE, Bebak J. 1999. Effects of chronic low-level exposure to Infectious Pancreatic Necrosis Virus (IPNV)

- on early life stages of rainbow trout, *Oncorhynchus mykiss*. in. Proceedings of the 24th Annual Eastern Fish Health Workshop Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina.
Call Number: 99-022//FH
Notes: Abstract
- McAllister PE, Owens WJ. 1990. Comparative susceptibility of brook trout, lake trout and Atlantic salmon to infectious pancreatic necrosis. U.S. Fish and Wildlife Service, Research Information Bulletin 83:2 pages.
Call Number: 91-014//FH
Notes: RIB
- McAllister PE, Owens WJ. 1990. Identification of fish virus by immunoblot assay of virus plaques. U.S. Fish and Wildlife Service, Research Information Bulletin 82:1 page.
Call Number: 91-013//FH
Notes: RIB
- McAllister PE, Owens WJ. 1990. Infectious pancreatic virus can be recovered from wild bird feces. U.S. Fish and Wildlife Service, Research Information Bulletin 108:1 page.
Call Number: 91-020//FH
Notes: RIB
- McAllister PE, Owens WJ. 1991. Infectious pancreatic necrosis virus: a study of virus prevalence in wild piscivorous birds. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-060//FH
Notes: Abstract
- McAllister PE, Owens WJ. 1991. A study of the prevalence of infectious pancreatic necrosis virus in the feces of wild piscivorous birds. in. 14th Annual AFS/FHS Meeting - 32nd Western Fish Disease Conference Oregon State University/Hatfield Marine Science Center, Newport, Oregon.
Call Number: 91-086//FH
Notes: Abstract
- McAllister PE, Owens WJ. 1992. Recovery of infectious pancreatic necrosis virus from the faeces of wild piscivorous birds. *Aquaculture* 106(3/4):227-32.
Call Number: 93-009//FH
Notes: Article
- McAllister PE, Owens WJ. 1995. Assessment of the virulence of fish and molluscan isolates of infectious pancreatic necrosis virus for salmonid fish by challenge of brook trout, *Salvelinus fontinalis* (Mitchell). *Journal of Fish Diseases* 18(1):97-103.
Call Number: 95-017//PY95//FH
Notes: Article
- McAllister PE, Owens WJ, Schill WB. 1994. Effects of elevated water temperature and immunosuppressant treatment on prevalence and titer of infectious pancreatic necrosis virus in naturally infected brook trout. in. 1994 Eastern Fish Health Workshop Blacksburg, Virginia.
Call Number: 94-085//PY94//FH
Notes: Abstract 30
- McAllister PE, Owens WJ, Schill WB. 1994. Effects of elevated water temperature and immunosuppressant treatment on prevalence and titer of infectious pancreatic necrosis virus in naturally infected brook trout. *Journal of Aquatic Animal Health* 6(2):133-7.
Call Number: 94-089//PY95//FH
Notes: Article

- McAllister PE, Owens WJ, Schill WB, Hodge DL. 1991. Comparison of methods used for detection of infectious pancreatic necrosis virus in fluids and tissues of virus-carrier brook trout. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-061//FH
Notes: Abstract
- McAllister PE, Owens WJ, Schill WB, Hodge DL. 1991. Recovery of lake trout herpesvirus (EEDV) from water. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-062//FH
Notes: Abstract
- McAllister PE, Schill WB, Anderson DP. 1993. Lake trout herpesvirus (EEDV) study: report of progress toward developing methods for the detection and identification of the herpesvirus causing epizootic epitheliotropic disease [Pages 111-115]. in. 1993 Annual Meeting Great Lakes Fish Disease Control Committee. Toronto, Canada: Great Lakes Fishery Commission.
Call Number: 94-073//PY94//FH
Notes: Report
- McAllister PE, Schill WB, Owens WJ, Hodge DL. 1991. Infectious pancreatic necrosis virus: a comparison of methods used to detect and identify virus in fluids and in tissues of fish. in. Proceedings 2nd International Symposium on Viruses of Lower Vertebrates Corvallis, Oregon.
Call Number: 91-106//FH
Notes: Conference Paper
- McAllister PE, Schill WB, Owens WJ, Hodge DL. 1993. Determining the prevalence of infectious pancreatic necrosis virus in asymptomatic brook trout *Salvelinus fontinalis*: a study of clinical samples and processing methods. Diseases of Aquatic Organisms 15(3):157-62.
Call Number: 93-087//FH
Notes: Article
- McAllister PE, Schill WG, Owens WJ, Hodge DL. 1991. Advances in the detection and recovery of lake trout herpesvirus (EEDV). in. 14th Annual AFS/FHS Meeting - 32nd Western Fish Disease Conference Oregon State University/Hatfield Marine Science Center, Newport, Oregon.
Call Number: 91-085//FH
Notes: Abstract
- McAllister PE, Schill WG, Owens WJ, Hodge DL. 1991. Infectious pancreatic necrosis virus: a comparison of methods used to detect and identify virus in fluids and tissues. in. 14th Annual AFS/FHS Meeting - 32nd Western Fish Disease Conference Oregon State University, Hatfield Marine Science Center, Newport, Oregon.
Call Number: 91-084//FH
Notes: Abstract
- McClain TS, Starliper C. 1994. *Aeromonas salmonicida* resistance to antimicrobials in salmonid fishes. Proceedings of the West Virginia Academy of Sciences 66(1):6.
Call Number: 94-071//PY94//FH
Notes: Article
- McCormick SD. 1991. Physiological and hormonal changes during the parr-smolt transformation of salmonids. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-055//TF
Notes: Abstract

- McCormick SD. 1993. Methods for nonlethal gill biopsy and measurement of Na⁺, K⁺ -ATPase activity. *Canadian Journal of Fisheries and Aquatic Sciences* 50(3):656-8.
Call Number: 94-124//TF
Notes: Article
- McCormick SD. 1994. Ontogeny and evolution of salinity tolerance in anadromous salmonids: hormones and heterochrony. *Estuaries* 17(1A):26-33.
Call Number: 95-004//PY95//TF
Notes: Article
- McCormick SD. 1994. Opercular membranes and skin [Pages 231-238]. *in*: Hochachka PW, Mommsen TP, editors. *Biochemistry and molecular biology of fishes. 3. Analytical techniques*. New York: Elsevier.
Call Number: 95-011//PY95//TF
Notes: Chapter
- McCormick SD. 1995. Hormonal control of gill Na⁺, K⁺ -ATPase and chloride cell function [Pages 285-315]. *in*: Wood CM, Shuttleworth TJ, editors. *Cellular and Molecular Approaches to Fish Ionic Regulation*. San Diego, California: Academic Press.
Call Number: 95-084//PY96//TF
Notes: Chapter
- McCormick SD. 1996. Effects of growth hormone and insulin-like growth factor I on salinity tolerance and gill Na⁺, K⁺-ATPase in Atlantic salmon (*Salmo salar*): interaction with cortisol. *General and Comparative Endocrinology* 101:3-11.
Call Number: 96-078//PY96//TF
Notes: Article
- McCormick SD, Bjornsson BT. 1994. Physiological and hormonal differences among Atlantic salmon parr and smolts reared in the wild, and hatchery smolts. *Aquaculture* 121(1-3):235-44.
Call Number: 94-116//TF
Notes: Article
- McCormick SD, Bjornsson BT, Sheridan M, Eilertson C, Carey JB, O'Dea M. 1995. Increased daylength stimulates plasma growth hormone and gill Na⁺, K⁺-ATPase in Atlantic salmon (*Salmo salar*). *Journal of Comparative Physiology B* 165:245-54.
Call Number: 96-024//PY96//TF
Notes: Article
- McCormick SD, Bjornsson BTh, Moriyama S, Duan C. 1997. Changes in the growth hormone insulin-like growth factor I axis during smolting of Atlantic salmon in the wild. *American Zoologist* 37(5):563.
Call Number: 98-112//TF
Notes: Abstract
- McCormick SD, Carey JB. 1995. Enzyme immunoassay for plasma cortisol in fish. *National Biological Service, NBS Information Bulletin* 51:3 pages.
Call Number: 95-108//PY96//TF
Notes: NIB
- McCormick SD, Dickhoff WW, Duston J, Nishioka RS, Bern HA. 1991. Developmental differences in the responsiveness of gill Na⁺,K⁺-ATPase to cortisol in salmonids. *General and Comparative Endocrinology* 84(2):308-17.
Call Number: 92-070//TF
Notes: Article
- McCormick SD, Hansen LP, Quinn TP, Saunders RL. 1998. Movement, migration, and smolting of Atlantic salmon

- (*Salmo salar*). Canadian Journal of Fisheries and Aquatic Sciences 55(Supp. 1):77-92.
Call Number: 99-036//TF
Notes: Article
- McCormick SD, Hasegawa S, Hirano T. 1992. Calcium uptake in the skin of a freshwater teleost. Proceedings of the National Academy of Sciences 89(8):3635-8.
Call Number: 92-067//TF
Notes: Article
- McCormick SD, Kelley KM, Young G, Nishioka RS, Bern HA. 1992. Stimulation of coho salmon growth by insulin-like growth factor I. General and Comparative Endocrinology 86(3):398-406.
Call Number: 92-065//TF
Notes: Article
- McCormick SD, Sakamoto T, Hasegawa S, Hirano T. 1991. Osmoregulatory actions of insulin-like growth factor-I in rainbow trout (*Oncorhynchus mykiss*). Journal of Endocrinology 130:87-92.
Call Number: 91-080//TF
Notes: Article
- McCormick SD, Shrimpton JM, Carey JB, O'Dea MF, Sloan KE, Moriyama S, Bjornsson BTh. 1998. Repeated acute stress reduces growth rate of Atlantic salmon parr and alters plasma levels of growth hormone, insulin-like growth factor I and cortisol. Aquaculture 168(1-4):221-35.
Call Number: 99-027//TF
Notes: Article
- McCormick SD, Shrimpton JM, Zydlewski JD. 1996. Temperature effects on osmoregulatory physiology of juvenile anadromous fish. [Pages 279-301]. in: Wood CM, McDonald DG, editors. Global Warming: Implications for Freshwater and Marine Fish//Society for Experimental Biology Seminar Series 61. New York, N.Y.: Cambridge University Press.
Call Number: 97-084//TF
Notes: Chapter
- McCormick SD, Tsai PI, Kelley KM, Nishioka RS, Bern HA. 1992. Hormonal control of sulfate uptake by branchial cartilage of coho salmon: role of IGF-I. Journal of Experimental Zoology 262(2):166-71.
Call Number: 92-066//TF
Notes: Article
- McCrary JP, Plumb JA, Bullock GL. 1989. Channel catfish virus disease. U.S. Fish and Wildlife Service, Fish Health Bulletin 2.
Call Number: 90-001//FH
Notes: Article
- McDonald G, Fitzsimons JD, Honeyfield DC. 1998. American Fisheries Society Symposium 21//Early Life Stage Mortality Syndrome in Fishes of the Great Lakes and Baltic Sea. Bethesda, Maryland: American Fisheries Society.
Call Number: 98-018//NF
Notes: Book
- McKenna JEJr. 1996. Ecosystem management and fishery resources of the Antarctic. Ecosystem Health 2(2):110-26.
Call Number: 96-066//PY96//TL
Notes: Article
- McKenna JEJr. 1997. Influence of physical disturbance on the structure of coral reef fish assemblages in the Dry Tortugas. Caribbean Journal of Science 33(1-2):82-97.

Call Number: 97-054//TL
Notes: Article

McKenna JEr. 1997. Structure and dynamics of the fishery harvest in Broward County, Florida, during 1989. Fishery Bulletin 95:114-25.
Call Number: 97-031//TL
Notes: Article

Meade JW. 1989. Production capacities for individual fish hatcheries can be determined using a bioassay.. U.S. Fish and Wildlife Service, Research Information Bulletin 81:3 pages.
Call Number: 90-006//NF
Notes: RIB

Meade JW. 1990. Effects of metabolites on fish in flow through rearing systems. in. 120th Annual Meeting of the American Fisheries SocietyPittsburgh, Pennsylvania.
Call Number: 90-066//NF
Notes: Abstract

Meade JW. 1991. Application of the production capacity assessment bioassay. American Fisheries Society Symposium 10:365-7.
Call Number: 92-008//TL
Notes: Article

Meade JW. 1991. Intensity of aquaculture production - definitions, meanings and measures. in. Engineering Aspects of Intensive Aquaculture: Proceedings from the Aquaculture SymposiumCornell University, Ithaca, New York.
Call Number: 91-109//TL
Notes: Conference Paper

Meade JW. 1991. in. Proceedings of the Atlantic Salmon WorkshopRockport, Maine.
Call Number: 92-012//TL
Notes: Conference Paper

Meade JW, Krise WF, Erdahl D, Ortiz J, Becker JrAJ. 1991. Effect of oxygen versus air on fish in serial production. American Fisheries Society Symposium 10:482-6.
Call Number: 92-009//TL
Notes: Article

Meade JW, Watten BJ, Krise WF, Halliburton PW. 1991. Use of oxygen-filled enclosures for aeration and degassing. American Fisheries Society Symposium 10:459-64.
Call Number: 92-010//TL//NF
Notes: Article

Meads SV, Shotts EBJr, Maurer J. 1998. Biochemical and molecular typing of *Streptococcus iniae* isolates from fish and human cases. in. 23rd Annual Eastern Fish Health WorkshopJohn Carver Inn, Plymouth, Massachusetts.
Call Number: 98-042//FH
Notes: Abstract

Meyer FP, Bullock GL. 1990. Protozoan parasites of freshwater fishes. U.S. Fish and Wildlife Service, Fish Health Bulletin 8.
Call Number: 91-006//FH
Notes: Article

Meyer FP, Herman RL. 1990. Interpreting the scene. [Pages 10-18]. in: Meyer FP, Barclay LA, editors. Field

- Manual for the Investigation of Fish Kills U.S. Fish and Wildlife Service.
Call Number: 91-025//FH
Notes: Chapter
- Meyer KA, Bailey JW, Rottiers DV. 1994. Superchlorination and corrosivity in a municipal water supply. *Journal of the Pennsylvania Academy of Science* 68(3):136-40.
Call Number: 96-059//PY96//NF
Notes: Article
- Meyer KA, Rottiers DV. 1995. Assessment of water quality in the upper Pine Creek, Pennsylvania watershed following a sewage plant upgrade. *Journal of the Pennsylvania Academy of Science* 69(3):93-9.
Call Number: 96-049//PY96//NF
Notes: Article
- Mohler J, Barrows R, Fynn-Aikins K. 1994. Development of spawning and culture technology for Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*). *in*. Poster Abstracts: International Conference on Sturgeon Biodiversity and Conservation New York, New York. American Museum of Natural History .
Call Number: 95-049//PY95//TL
Notes: Abstract
- Mohler J, Fletcher J, Watten BJ, Carta A. 1993. Design and applications of a saltwater recirculation system for anadromous fish management. *in*. Proceedings of the Atlantic Salmon Workshop Rockport, Maine.
Call Number: 94-106//PY95//NF
Notes: Abstract
- Mohler JW, Fynn-Aikins K, Barrows R. 1996. Feeding trials with juvenile Atlantic sturgeons propagated from wild broodstock. *Progressive Fish-Culturist* 58(3):173-7.
Call Number: 97-024//TL
Notes: Article
- Montero D, Blazer VS, Socorro J, Izquierdo MS, Tort L. 1999. Dietary and culture influences on macrophage aggregate parameters in gilthead seabream (*Sparus aurata*) juveniles. *Aquaculture* 179(1-4):523-34.
Call Number: 99-068//FH
Notes: Article
- Moritomo T, Anderson DP, Schill WB. 1990. Establishment of a cell line with reticulo-endothelial characteristics from a rainbow trout spleen explant. *Fish Pathology* 25(3):165-70.
Call Number: 91-004//FH
Notes: Article
- Mower B, Haines TA. 1994. International toxics monitoring program for trace metals. *in*. Abstracts: 124th Annual Meeting American Fisheries Society Halifax, Nova Scotia.
Call Number: 95-074//PY95//AE
Notes: Abstract
- Newman JR, Schreiber RK, Novakova E. 1992. Air pollution effects on terrestrial and aquatic animals. [Pages 177-233]. *in*: Barker JR, Tingey DT, editors. *Air Pollution Effects on Biodiversity*. New York, New York: Van Nostrand Reinhold.
Call Number: 92-085//FC
Notes: Chapter
- Nicholas NS, Eagar C, Peine JD. 1999. Threatened ecosystem: high elevation spruce-fir forest. [Pages 431-454]. *in*: Peine JD, editor. *Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative*. Boca Raton, Florida: Lewis Publishers.
Call Number: 98-068//SAL

Notes: Chapter

- Noble A, Herman R, Noga E, Bullock G. 1994. Description of a recurrent amoeba gill infestation in rainbow trout (*Oncorhynchus mykiss*). in. International Symposium on Aquatic Animal Health: Program and Abstracts Seattle, Washington.
Call Number: 95-014//PY95//FH
Notes: Abstract
- Noga EJ, Kerby JH, King W, Aucoin DP, Giesbrecht F. 1994. Quantitative comparison of the stress response of striped bass (*Morone saxatilis*) and hybrid striped bass (*Morone saxatilis* x *Morone chrysops* and *Morone saxatilis* x *Morone americana*). American Journal of Veterinary Research 55(3):405-9.
Call Number: 94-120//AE
Notes: Article
- Nolt JE, Peine JD. 1999. The evolution of land use ethics and resource management: coming full circle. [Pages 41-59]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.
Call Number: 98-057//SAL
Notes: Chapter
- Norton S, Kahl J, Fernandex I, Rustad L, Scofield J, Haines T. 1994. Response of the West Bear Brook Watershed, Maine, USA, to the addition of (NH₄)₂SO₄: 3 year results. Forest Ecology and Management 68:61-73.
Call Number: 95-067//PY95//AE
Notes: Article
- Odeh M. 1993. Hydraulics of Alaska steep pass fishway model A40. National Biological Survey, Research Information Bulletin 95:3 pages.
Call Number: 94-114//TF
Notes: RIB
- Odeh M. 1999. Fish passage innovation for ecosystem and fishery restoration. [Pages 1-24]. in: Odeh M, Editor. Innovations in Fish Passage Technology. Bethesda, Maryland: American Fisheries Society.
Call Number: 99-113//TF
Notes: Chapter
- Odeh M. 1999. A summary of environmentally friendly turbine design concepts. Idaho Falls, Idaho: U. S. Department of Energy//Idaho Operations Office//.
Call Number: 99-065//TF
Notes: Report
- Odeh M, editor. 1999. Innovations in Fish Passage Technology. Bethesda, Maryland: American Fisheries Society.
Call Number: 99-069//TF
Notes: Book
- Odeh M, Orvis C. 1997. Status of downstream fish passage at hydroelectric projects in the Northeast, USA. in: Mahoney DJ, editor. Waterpower '97: Proceedings of the International Conference on Hydropower: Volume 1 Georgia World Congress Center, Atlanta, Georgia. New York, N.Y.: American Society of Civil Engineers.
Call Number: 97-085//TF
Notes: Conference Paper
- Odeh M, Orvis C. 1998. Downstream fish passage design considerations and developments at hydroelectric projects in the North-east USA. [Pages 267-280]. in: Jungwirth M, Schmutz S, Weiss S, editors. Fish Migration and Fish Bypasses. Oxford, United Kingdom: Fishing News Books.
Call Number: 98-108//TF

Notes: Chapter

[Anonymous]. 1991 Olem H, Schreiber RK, Brocksen RW, Porcella DB, editors. International Lake and Watershed Liming Practices. Washington, D. C.: The Terrene Institute, Inc. 245 pages.

Call Number: 92-021//FC

Notes: Book Editor

Ottinger C. 1999. Infectious Salmon Anemia Virus and New England Atlantic salmon restoration. in. Proceedings of the 24th Annual Eastern Fish Health Workshop Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina.

Call Number: 99-020//FH

Notes: Abstract

Ottinger CA, Brown LL, Ross NW, Johnson SC. 1998. Multiparameter cell-cycle analysis of Atlantic salmon peripheral blood leukocytes. in. 23rd Annual Eastern Fish Health Workshop John Carver Inn, Plymouth, Massachusetts.

Call Number: 98-039//FH

Notes: Abstract

Ottinger CA, Johnson SC, Ewart KV, Brown LL, Ross NW. 1999. Enhancement of anti-*Aeromonas salmonicida* activity in Atlantic salmon (*Salmo salar*) macrophages by a mannose-binding lectin. Comparative Biochemistry and Physiology, Part C 123:53-9.

Call Number: 99-90//FH

Notes: Article

Ottinger CA, Johnson SC, Ewart KV, Ross NW. 1998. Lectin enhancement of anti-*Aeromonas salmonicida* activity of Atlantic salmon macrophages. in. 23rd Annual Eastern Fish Health Workshop John Carver Inn, Plymouth, Massachusetts.

Call Number: 98-040//FH

Notes: Abstract

Ottinger CA, Kaattari SL. 1998. Sensitivity of rainbow trout leucocytes to aflatoxin B₁. Fish and Shellfish Immunology 8(7):515-30.

Call Number: 99-034//FH

Notes: Article

Ottinger CA, Lewis TD, Shapiro DA, Faisal M, Kaattari SL. 1999. Detection of *Perkinsus marinus* extracellular proteins in the tissue of the eastern oyster. in. Proceedings of the 24th Annual Eastern Fish Health Workshop Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina.

Call Number: 99-018//FH

Notes: Abstract

Pardue GB. 1993. Life history and ecology of the mud sunfish (*Acantharchus pomotis*). Copeia 1993(2):533-40.

Call Number: 93-059//NF

Notes: Article

Parhar IS, Nagahama Y, Grau EG, Ross RM. 1998. Immunocytochemical and ultrastructural identification of pituitary cell types in the protogynous *Thalassoma duperrey* during adult sexual ontogeny. Zoological Science 15:263-76.

Call Number: 98-013//NF

Notes: Article

Parker CR. 1998. A review of *Goerita* (Trichoptera: *Goeridae*), with description of a new species. Insecta Mundi 12(3-4):227-38.

Call Number: 99-044//GSM

Notes: Article

Parker NC, Klar GT, Smith TIJ, Kerby JH. 1990. Special considerations in the culture of striped bass and striped bass hybrids. [Pages 191-215]. in: Harrell RM, Kerby JH, Minton RV, editors. Culture and Propagation of Striped Bass and Its Hybrids. Bethesda, Maryland: Striped Bass Committee, Southern Division, American Fisheries Society.

Call Number: 91-043//FC

Notes: Chapter

Parrish DL, Behnke RJ, Gephard SR, McCormick SD, Reeves GH. 1998. Why aren't there more Atlantic salmon (*Salmo salar*)? Canadian Journal of Fisheries and Aquatic Sciences 55(Supplement 1):281-7.

Call Number: 98-114//TF

Notes: Article

Parrish DL, Margraf FJ. 1991. Prey selectivity by age O white perch (*Morone americana*) and yellow perch (*Perca flavescens*) in laboratory experiments. Canadian Journal of Fisheries and Aquatic Sciences 48(4):607-10.

Call Number: 92-062//TF

Notes: Article

Patterson T, Lellis WA, Barrows FT. 1994. Starter diets for the Snake River white sturgeon (*Acipenser transmontanus*). in. World Aquaculture '94: Book of Abstracts. World Aquaculture Society. New Orleans, Louisiana.

Call Number: 94-041//NF

Notes: Abstract

Peine JD. 1999. Land use planning: sustainable tourism. [Pages 349-374]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.

Call Number: 98-065//SAL

Notes: Chapter

Peine JD. 1999. Moving to an operational level: A call for leadership from the Southern Appalachian Man and Biosphere Cooperative. [Pages 475-482]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.

Call Number: 98-069//SAL

Notes: Chapter

Peine JD, Berish CW. 1999. Climate Change: potential effects in the Southern Appalachians. [Pages 397-415]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.

Call Number: 98-066//SAL

Notes: Chapter

Peine JD, editor. 1999. Ecosystem management for sustainability: principles and practices illustrated by a regional biosphere reserve cooperative. Boca Raton, Florida: Lewis Publishers.

Call Number: 98-049//SAL

Notes: Book

Peine JD, Koshevoi VA, Wade KP, Zhigarev IA, Davydova MA. 1999. A comparison in the management of two biosphere reserves: Priokosko-Terrasny Reserve, Russia and Great Smoky Mountains National Park, U.S. [Pages 99-114]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.

Call Number: 98-059//SAL

Notes: Chapter

- Peine JD, Lancia R. 1999. Control of exotic species: European wild boar. [Pages 267-290]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.
Call Number: 98-063//SAL
Notes: Chapter
- Peine JD, Montgomery LC, Stephens BR, Miller WRI, Morton BJ, Malkin KA. 1999. Air quality management: A policy perspective. [Pages 307-327]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.
Call Number: 98-064//SAL
Notes: Chapter
- Plerhoples T, Lellis WA. 1995. The development of anesthetics for the freshwater mussel *Elliptio companata*. New York Academy of Sciences, Science Research Training Program, Journal of Abstracts Summer:77.
Call Number: 96-085//PY96//NF
Notes: Abstract
- Pooler PS, Smith DR. 1999. Sampling methodology for estimating the spatial distribution of clustered immobile populations. in. Abstracts: American Statistical Association, 159th Annual Meeting//Summaries of papers presented at the 1999 joint statistical meetings in Baltimore, Maryland//Baltimore, Maryland.
Call Number: 99-098//AE
Notes: Abstract
- Poston HA. 1989. Young Atlantic salmon tolerate high levels of dietary aluminum. U.S. Fish and Wildlife Service, Research Information Bulletin 80:1 page.
Call Number: 90-005//TL
Notes: RIB
- Poston HA. 1990. Early feeding promotes growth and survival of Atlantic salmon fry. Salmonid 14(3/4):17.
Call Number: 91-047//TL
Notes: Article
- Poston HA. 1990. Effect of body size on growth, survival and chemical composition of Atlantic salmon fed soy lecithin and choline. Progressive Fish-Culturist 52(4):226-30.
Call Number: 91-032//TL
Notes: Article
- Poston HA. 1990. Performance of rainbow trout fry fed supplemental soy lecithin and choline. Progressive Fish-Culturist 52(4):218-25.
Call Number: 91-031//TL
Notes: Article
- Poston HA. 1991. Choline requirement of swim-up rainbow trout fry. Progressive Fish-Culturist 53(4):220-3.
Call Number: 92-033//TL
Notes: Article
- Poston HA. 1991. Effects of dietary aluminum on growth and composition of young Atlantic salmon. Progressive Fish-Culturist 53(1):7-10.
Call Number: 91-073//TL
Notes: Article
- Poston HA. 1991. Response of Atlantic salmon fry to feed-grade lecithin and choline. Progressive Fish-Culturist 53(4):224-8.
Call Number: 92-036//TL

Notes: Article

Poston HA. 1991. Response of rainbow trout to soy lecithin, choline and autoclaved isolated soy protein. *Progressive Fish-Culturist* 53(2):85-90.
Call Number: 91-090//NF
Notes: Article

Poston HA, Ketola HG. 1989. Chemical composition of maturing and spawning Atlantic salmon from different locations. *Progressive Fish-Culturist* 51:133-9.
Call Number: 90-025//TL
Notes: Article

Poston HA, Williams RC. 1990. Effects of ozonated-water reuse on salinity tolerance of Atlantic salmon. *Progressive Fish-Culturist* 52(1):36-40.
Call Number: 90-076//TL
Notes: Article

Poston HA, Williams RC. 1990. Research establishes proper feeding level for young Atlantic salmon in reuse system. *Salmonid* 14(1):12-3.
Call Number: 90-078//TL
Notes: Article

Poston HA, Williams RC. 1991. Influence of feeding rate on performance of Atlantic salmon fry in an ozonated water reuse system. *Progressive Fish-Culturist* 53(2):111-3.
Call Number: 91-089//TL
Notes: Article

Potter A, Timmons MB, Ketola HG. 1994. Alteration of the mechanical properties of fish waste via dietary components. *in*. *Managing Now for the 21st Century: Food, Recreation and Diversity*. 124th Annual Meeting of the American Fisheries Society Halifax, Nova Scotia.
Call Number: 95-060//PY95//TL
Notes: Abstract

Pritchard MK, Blazer VS, Fournie JW, Warnell DB. 1994. Hepatic neoplasms in wild-caught common carp, *Cyprinus carpio*. *in*. 1994 Eastern Fish Health Workshop Blacksburg, Virginia.
Call Number: 94-086//PY94//FH
Notes: Abstract 33

Pritchard MK, Fournie J. W., Blazer VS. 1996. Hepatic neoplasms in wild common carp. *Journal of Aquatic Animal Health* 8:111-9.
Call Number: 96-099//PY96//FH
Notes: Article

Procarione LS, Henderson-Arzapalo A, Maciorowski A. 1989. Comparison of pond-culture characteristics between Atlantic and Gulf Coast red drum fingerlings. *Progressive Fish-Culturist* 51:201-6.
Call Number: 90-036//FC
Notes: Article

Pyatskowitz J, Kincaid HL, Krueger CC, May B. 1997. Inheritance of microsatellite loci in Lake sturgeon. *In*. *Conference Timetable and Abstracts: Sixth International Symposium on Genetics in Aquaculture* Institute of Aquaculture, University of Stirling, Scotland. International Association for Genetics in Aquaculture.
Call Number: 97-071//NF
Notes: Abstract

Pyatskowitz J, Kincaid HL, Krueger CC, May B. 1997. Inheritance of microsatellite loci in sturgeon (*Acipenser*

- fulvescens*). in. 59th Midwest Fish and Wildlife Conference: Managing Natural Resources: Integrating Ecology and Society Milwaukee, Wisconsin.
Call Number: 98-025//NF
Notes: Abstract
- Quan AJ, Honeyfield DC. 1995. Analysis of thiamine in coho salmon with early mortality syndrome. New York Academy of Sciences, Science Research Training Program, Journal of Abstracts Summer:79.
Call Number: 96-060//PY96//NF
Notes: Abstract
- Rago P. 1992. Summary of ASMFC Workshop on Atlantic striped bass recruitment indices. in. Abstracts: Emergency Striped Bass Study Annual Workshop Norfolk, Virginia. National Oceanic and Atmospheric Administration and U.S. Fish and Wildlife Service.
Call Number: 92-094//FC
Notes: Abstract
- Rago PJ. 1992. Chesapeake Bay striped bass: the consequences of habitat degradation. [Pages 105-116]. in: Stroud RH, editor. Stemming the Tide of Coastal Fish Habitat Loss. Savannah, Georgia: National Coalition for Marine Conservation, Inc. Marine Recreational Fisheries ; 14).
Call Number: 92-095//FC
Notes: Chapter
- Rago PJ. 1992. Continental run reconstruction models for Atlantic salmon: Application to North America and West Greenland. International Council for the Exploration of the Sea (North Atlantic Salmon Working Group Methods Workshop) .
Call Number: 92-089//FC
Notes: Report
- Rago PJ. 1992. Harvest estimation procedures for USA salmon stocks: proportional harvest method. International Council for the Exploration of the Sea (North Atlantic Salmon Working Group Methods Workshop) .
Call Number: 92-088//FC
Notes: Report
- Rago PJ. 1992. Management of world fisheries. The Torch 64(3):13-6.
Call Number: 92-087//FC
Notes: Article
- Rago PJ. 1992. Methods of trend analysis. International Council for the Exploration of the Sea (North Atlantic Salmon Working Group Methods Workshop) .
Call Number: 92-096//FC
Notes: Report
- Rago PJ, Dorazio RM. Evaluation of a habitat suitability index for coastal stocks of striped bass.
Call Number: 90-080//FC
Notes: Report
- Rago PJ, Dorazio RM, Richards RA, Deuel DG, Stephan CD. 1992. Emergency striped bass research study report for 1989. Washington, D. C.: U.S. Fish and Wildlife Service, Department of the Interior and National Marine Fisheries Service, Department of Commerce and Atlantic States Marine Fisheries Commission.
Call Number: 92-061//FC
Notes: Report
- Rago PJ, Dorazio RM, Richards RA, Deuel DG, Stephan CD. 1993. Emergency striped bass research study report for 1991. Department of the Interior and Department of Commerce.
Call Number: 93-045//FC

Notes: Report

Rago PJ, Friedland KD. 1992. Marine exploitation rates of Maine Atlantic salmon stocks. International Council for the Exploration of the Sea (North Atlantic Salmon Working Group Methods Workshop) .

Call Number: 92-090//FC

Notes: Report

Randolph JC, McKinney ML, Allen C, Peine JD. 1999. The Southern Appalachians: the settings for the case study. [Pages 63-80]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.

Call Number: 98-058//SAL

Notes: Chapter

Raphael MG, Young JA, Galleher BM1995. A landscape-level analysis of marbled murrelet habitat in western Washington. Albany, California: U.S. Forest Service, Pacific Southwest Research Station. General Technical Report PSW-152.

Call Number: 95-068//PY95//AE

Notes: Chapter

Richmond AM, Kynard B. 1995. Ontogenetic behavior of shortnose sturgeon, *Acipenser brevirostrum*. Copeia (1):172-82.

Call Number: 95-019//PY95//TF

Notes: Article

Robbins VM, King TL, Vellella RF. 1999. Identification of genetic variation in the freshwater bivalve *Lasmigona subviridis* by amplified fragment length polymorphism (AFLP). in. Program Guide & Abstracts The First Symposium of the Freshwater Mollusk Conservation Society. Musseling in on Biodiversity. Clarion Hotel. Chattanooga, TN.

Call Number: 99-076//AE

Notes: Abstract

Rodgers S, Cooper R, Starliper C, McDonough K. 1996. PCR analysis and sequencing of a Romet resistance gene in *Aeromonas salmonicida*. in. Program: Joint Meeting of the South Central Branch of the American Society for Microbiology and Mid-South Biochemists Tulane Univeristy School of Medicine, New Orleans, Louisiana.

Call Number: 97-067//FH

Notes: Abstract 10

Rodgers S, Starliper CE, Cooper R. 1998. Homology of bacterial antimicrobial resistance genes from different origins. U.S. Geological Survey, Biological Resources, Biological Information and Technology Notes 98-012 (<http://biology.usgs.gov/news/98-012.html>):3 pages.

Call Number: 98-098//FH

Notes: Bit Notes

Rodgers S, Starliper CE, Cooper R. 1998. Sequence comparison of sulphonamide resistance genes from *Aeromonas salmonicida*, *Edwardsiella ictaluri*, and *Escherichia coli*. Biomedical Letters 58(228):31-9.

Call Number: 99-005//FH

Notes: Article

Ross R, Bennett R. 1998. Sampling protocols for vertebrates. [Pages 64-74]. in: Mahan C, Sullivan K, Kim KC, Yahner R, Abrams M, editors. Ecosystem Profile Assessment of Biodiversity: Sampling Protocols and Procedures. University Park, Pennsylvania: Pennsylvania State University, Center for Biodiversity Research, Environmental Resources Research Institute.

Call Number: 98-084//NF

Notes: Chapter

- Ross RM. 1990. The evolution of sex-change mechanisms in fishes. *Environmental Biology of Fishes* 29(2):81-93.
Call Number: 91-002//NF
Notes: Article
- Ross RM. 1990. Saving a heron rookery. *Bird Watcher's Digest* 12(6):62-7.
Call Number: 90-047//NF
Notes: Article
- Ross RM. 1995. Comparative behavior and dietary effects in early-life-stage American sturgeons. in. Abstracts: 24th International Ethological Conference Honolulu, Hawaii.
Call Number: 96-026//PY96//NF
Notes: Abstract
- Ross RM. 1995. Site guide: wetlands and aquatic habitats of northcentral Tioga County; SGL 313 ("The Muck"), Hammond Lake, Hills Creek Lake, and Tauscher Pond. *Pennsylvania Birds* 9(2):67-9.
Call Number: 96-023//PY96//NF
Notes: Article
- Ross RM, Backman TWH. 1990. Effect of size group on the behavior and survival of sub-yearling American shad. in. 120th Annual Meeting of the American Fisheries Society Pittsburgh, Pennsylvania.
Call Number: 90-059//NF
Notes: Abstract
- Ross RM, Backman TWH. 1991. Subyearling American shad concentrate in swifter current in the upper Delaware River. U.S. Fish and Wildlife Service, Research Information Bulletin 58:3 pages.
Call Number: 91-111//NF
Notes: RIB
- Ross RM, Backman TWH. 1992. Larval American shad: effects of age and group size on swimming and feeding behavior. *Transactions of the American Fisheries Society* 121(4):508-16.
Call Number: 93-031//NF
Notes: Article
- Ross RM, Backman TWH. 1992. Mechanisms and function of school formation in subyearling American shad (*Alosa sapidissima*). *Journal of Applied Ichthyology* 8(1-4):143-53.
Call Number: 93-034//NF
Notes: Article
- Ross RM, Backman TWH, Bennett RM. 1993. Evaluation of habitat suitability index models for riverine life stages of American shad, with proposed models for premigratory juveniles. U. S. Fish and Wildlife Service, Biological Report 14:1-26.
Call Number: 94-061//NF
Notes: Article
- Ross RM, Backman TWH, Bennett RM. 1993. Evaluation of habitat suitability index models for spawning adults, eggs, and larvae of American shad. in. 123rd Annual Meeting, American Fisheries Society Portland, Oregon.
Call Number: 93-106//NF
Notes: Abstract
- Ross RM, Backman TWH, Bennett RM. 1993. Evaluation of the anesthetic metomidate for the handling and transport of juvenile American shad. *Progressive Fish-Culturist* 55(4):236-43.
Call Number: 94-020//NF
Notes: Article

- Ross RM, Backman TWH, Limburg KE. 1992. Group-size-mediated metabolic rate reduction in American shad. *Transactions of the American Fisheries Society* 121(3):385-90.
Call Number: 93-002//NF
Notes: Article
- Ross RM, Bennett RM. 1993. Morphometric differentiation of American shad and white sucker eggs from riverine samples. *Journal of Freshwater Ecology* 8(2):121-5.
Call Number: 93-099//NF
Notes: Article
- Ross RM, Bennett RM. 1995. Comparative behavior and dietary effects in early life stages of American sturgeons. *Sturgeon Notes* (3):3.
Call Number: 96-019//PY96//NF
Notes: Abstract
- Ross RM, Bennett RM. 1997. Comparative behaviour and dietary effects in early life phases of American sturgeons. *Fisheries Management and Ecology* 4:17-30.
Call Number: 97-029//NF
Notes: Article
- Ross RM, Bennett RM, Backman TWH. 1993. Habitat use by spawning adult, egg, and larval American shad in the Delaware River. *Rivers* 4(3):227-38.
Call Number: 94-096//PY95//NF
Notes: Article
- Ross RM, Bennett RM, Johnson JH. 1997. Habitat use and feeding ecology of riverine juvenile American shad. *North American Journal of Fisheries Management* 17(4):964-74.
Call Number: 98-028//NF
Notes: Article
- Ross RM, Dropkin DS. 1999. Special species addendum for the Marshalls Creek traffic relief study report on impacts to *Notropis*, eastern mudminnow, *Umbra pygmaea* (DeKay) and American brook lamprey, *Lampetra appendix* DeKay. The Pennsylvania Department of Transportation.
Call Number: 99-103//NF
Notes: Report
- Ross RM, Hourigan TF, Lutnesky MMF, Singh I. 1990. Multiple simultaneous sex changes in social group of a coral-reef fish. *Copeia* 1990(2):427-33.
Call Number: 90-049//NF
Notes: Article
- Ross RM, Johnson JH. 1994. Feeding ecology of double-crested cormorants in eastern Lake Ontario. in. Abstracts: Natural Resources Management in New York: Cross-disciplinary Perspectives. 1994 Joint Annual Meeting New York Chapters of the Wildlife Society/American Fisheries SocietyOwego, New York.
Call Number: 94-038//NF
Notes: Abstract
- Ross RM, Johnson JH. 1994. Feeding habits of cormorants in eastern Lake Ontario. Ithaca, New York: New York Sea Grant Progress Report, Cornell University.
Call Number: 94-110//PY95//NF
Notes: Report
- Ross RM, Johnson JH. 1995. Seasonal and annual changes in the diet of double-crested cormorants: implications for Lake Ontario's fishery. *Great Lakes Research Review* 2(1):1-9.
Call Number: 96-020//PY96//NF//TL

Notes: Article

Ross RM, Johnson JH. 1997. Seasonal and annual changes in the prey of double-crested cormorants: 1992-1996. in. International Association for Great Lakes Research: 40th Conference: Program and Abstracts Buffalo State College and University of Buffalo, Buffalo, New York.

Call Number: 97-040//NF//TL

Notes: Abstract

Ross RM, Johnson JH. 1997. Total and sport fish losses to double-crested cormorant predation in the eastern basin of Lake Ontario, 1993-1996. in. 59th Midwest Fish and Wildlife Conference: Managing Natural Resources: Integrating Ecology and Society Milwaukee, Wisconsin.

Call Number: 98-024//NF

Notes: Abstract

Ross RM, Johnson JH. 1999. Effect of altered salmonid stocking methods on cormorant predation in eastern Lake Ontario. [Pages 1-3]. in. Final Report: To assess the impact of double-crested cormorant predation on the smallmouth bass and other fishes of the eastern basin of Lake Ontario. Volume Section 11. New York State Department of Environmental Conservation Bureau of Fisheries//United States Geological Survey, Biological Resources Division//.

Call Number: 99-104//NF

Notes: Report

Ross RM, Johnson JH, Bennett RM, Dropkin DS. 1996. Behavioral changes associated with suboptimal prey densities for larval American shad. Ecology of Freshwater Fish 5:163-8.

Call Number: 97-051//NF

Notes: Article

Ross RM, van Snik Gray E, Bennett RM. 1998. A coldwater index of biotic integrity for tributaries of the middle and upper Delaware River. in. 54th Annual Northeast Fish and Wildlife Conference: Abstracts Camp Hill, Pennsylvania. Pennsylvania Game Commission//Pennsylvania Fish and Boat Commission.

Call Number: 98-021//NF

Notes: Abstract

Ross RM, van Snik Gray E, Bennett RM. 1998. An index of biotic integrity for the middle and upper Delaware River. in. 54th Annual Northeast Fish and Wildlife Conference: Abstracts Camp Hill, Pennsylvania. Pennsylvania Game Commission//Pennsylvania Fish and Boat Commission.

Call Number: 98-019//NF

Notes: Abstract

Ross RM, Watten BJ. 1998. Importance of rearing-unit design and stocking density to the behavior, growth and metabolism of lake trout (*Salvelinus namaycush*). Aquacultural Engineering 19(1):41-56.

Call Number: 99-031//NF//RT

Notes: Article

Ross RM, Watten BJ, Krise WF, DiLauro MN. 1993. Influence of tank design and culture conditions on the behavior of rainbow trout. in. 123rd Annual Meeting, American Fisheries Society Portland, Oregon.

Call Number: 93-104//NF

Notes: Abstract

Ross RM, Watten BJ, Krise WF, DiLauro MN, Soderberg RW. 1995. Influence of tank design and hydraulic loading on the behavior, growth, and metabolism of rainbow trout (*Oncorhynchus mykiss*). Aquacultural Engineering 14(1):29-47.

Call Number: 95-025//PY95//NF

Notes: Article

- Rottiers DV. 1989. Relation between bone content, elemental composition and fish size in Atlantic salmon, *Salmo salar*. in. 69th Annual Meeting, American Society of Ichthyologists and Herpetologists and 5th Annual Meeting American Elasmobranch Society San Francisco, California.
Call Number: 90-017//NF
Notes: Abstract
- Rottiers DV. 1990. Bone composition and content in Atlantic salmon. in. 120th Annual Meeting of the American Fisheries Society Pittsburgh, Pennsylvania.
Call Number: 90-068//NF
Notes: Abstract
- Rottiers DV. 1990. Health and mortality of Atlantic salmon held in cages in the Merrimack River. U.S. Fish and Wildlife Service, Research Information Bulletin 73:2 pages.
Call Number: 91-012//NF
Notes: RIB
- Rottiers DV. 1990. Smoltification and survival of caged Atlantic salmon in the Merrimack River. in. Proceedings of the Atlantic Salmon Workshop U.S. Fish and Wildlife Service, Northeast Fishery Center, Rockport, Maine.
Call Number: 90-082//NF
Notes: Conference Paper
- Rottiers DV. 1990. Survival of caged Atlantic salmon in the Merrimack River during smoltification. in. 46th Annual Northeast Fish and Wildlife Conference: Abstracts 1990's Nashua, New Hampshire.
Call Number: 90-073//NF
Notes: Abstract
- Rottiers DV. 1990. Timing of migration and smoltification of Atlantic salmon in the Merrimack River and in stock-out ponds. in: Bielak AT, editor. Proceedings of the 1988 Northeast Atlantic Salmon Workshop. Atlantic Salmon Federation, Special Publication St. Andrews, New Brunswick, Canada.
Call Number: 90-037//NF
Notes: Conference Paper
- Rottiers DV. 1991. Microwaves to remove skeletal bone from fish carcasses. U.S. Fish and Wildlife Service, Research Information Bulletin 22:2 pages.
Call Number: 91-079//NF
Notes: RIB
- Rottiers DV. 1991. Towable cage for studies of smoltification in Atlantic salmon. Progressive Fish-Culturist 53(2):124-7.
Call Number: 91-087//NF
Notes: Article
- Rottiers DV. 1992. Effects of day length and cleaning regimen on the growth of yearling parr Atlantic salmon. Progressive Fish-Culturist 54(1):69-72.
Call Number: 92-082//NF
Notes: Article
- Rottiers DV. 1992. Seawater temperature tolerance of juvenile Atlantic salmon acclimated to warmer freshwater temperatures. in. Proceedings of the Atlantic Salmon Workshop Rockport, Maine.
Call Number: 93-038//NF
Notes: Abstract
- Rottiers DV. 1993. Elemental composition of a migratory and a land-locked strain of Atlantic salmon *Salmo salar*. Comparative Biochemistry and Physiology 104A(1):93-100.
Call Number: 93-030//NF

Notes: Article

Rottiers DV. 1993. Energy budget for yearling lake trout, *Salvelinus namaycush*. *Journal of Freshwater Ecology* 8(4):319-27.

Call Number: 94-033NF

Notes: Article

Rottiers DV. 1993. Relationship between the amount of bone, major cations, and body size in Atlantic salmon, *Salmo salar*. *Copeia* 1993(2):440-6.

Call Number: 93-060/NF

Notes: Article

Rottiers DV. 1994. Survival of caged Atlantic salmon in the Merrimack River. *North American Journal of Fisheries Management* 14(2):355-61.

Call Number: 94-097//PY95//NF

Notes: Article

Rottiers DV, Booke HE. 1989. Observed differences in Columbia and Delaware River American shad. U.S. Fish and Wildlife Service, Research Information Bulletin 97:2 pages.

Call Number: 90-019//NF//TF

Notes: RIB

Rottiers DV, Johnson CS. 1992. Effects of continuous swimming at different velocities on growth, morphology, smoltification, and stamina of Atlantic salmon. in. *Proceedings of the Atlantic Salmon Workshop* Rockport, Maine.

Call Number: 93-037//NF

Notes: Conference Paper

Rottiers DV, Johnson CS. 1993. Effects of continuous swimming on growth, behavior, and smoltification of Atlantic salmon. in. *Proceedings of the Atlantic Salmon Workshop* Rockport, Maine.

Call Number: 94-108//PY95//NF

Notes: Article

Rottiers DV, Johnson CS. 1993. Survival of Atlantic salmon in estuarine waters after acclimation to river temperatures. in. *Proceedings of the Atlantic Salmon Workshop* Rockport, Maine.

Call Number: 94-109//PY95//NF

Notes: Article

Rottiers DV, Johnson JH. 1993. Digestion of larval American shad by cyprinids. *Ecology of Freshwater Fish* 2:147-51.

Call Number: 94-065//NF

Notes: Article

Rottiers DV, Redell LA. 1993. Volitional migration of Atlantic salmon from seasonal holding ponds. *North American Journal of Fisheries Management* 13(2):238-52.

Call Number: 94-013//NF

Notes: Article

Rottiers DV, Redell LA, Booke HE, Amaral S. 1992. Differences in stocks of American shad from the Columbia and Delaware rivers. *Transactions of the American Fisheries Society* 121(1):132-6.

Call Number: 92-047//NF//TF

Notes: Article

Rumsey GL. 1988. Fish farming as a form of animal agriculture: recent advances in fish nutrition. [Pages 235-248]. in: Lyons TP, editor. *Biotechnology in the Feed Industry: Proceedings of Alltech's 4th Annual*

- Symposium. Nicholasville, Kentucky: Alltech Technical Publications.
Call Number: 90-021//TL
Notes: Chapter
- Rumsey GL. 1991. in. Proceedings of the Atlantic Salmon Workshop Rockport, Maine.
Call Number: 92-003//TL
Notes: Conference Paper
- Rumsey GL. 1993. Fish feed ingredients: Where is fish meal use headed? *Feed Management* 44(12):15-8.
Call Number: 94-130//TL
Notes: Article
- Rumsey GL. 1993. Fish meal and alternate sources of protein in fish feeds: update 1993. *Salmonid* 17(4):10-4.
Call Number: 94-127//TL
Notes: Article
- Rumsey GL. 1993. Fish meal and alternate sources of protein in fish feeds update 1993. *Fisheries* 18(7):14-9.
Call Number: 93-089//TL
Notes: Article
- Rumsey GL. 1994. History of early diet development in fish culture, 1000 B.C. to A.D. 1955. *Progressive Fish-Culturist* 56(1):1-6.
Call Number: 94-046//TL
Notes: Article
- Rumsey GL, Bowser PR. 1993. Soybean meal hypersensitivity and effects on performance, nitrogen metabolism, immunological response and gastrointestinal histology of rainbow trout. *INFORM (International News on Fats, Oils and Related Materials)* 4(4):507.
Call Number: 93-096//TL
Notes: Article
- Rumsey GL, Endres JG, Bowser PR, Earnest-Koons KA, Anderson DP, Siwicki AK. 1995. Soy protein in diets of rainbow trout: effects on growth, protein absorption, gastrointestinal histology and nonspecific serologic and immune response [Pages 166-188]. in. *Nutrition and Utilization Technology in Aquaculture*. Champaign, Illinois: AOCS Press.
Call Number: 95-050//PY95//TL//FH
Notes: Chapter
- Rumsey GL, Hughes SG. 1990. Use of dietary yeast *Saccharomyces cerevisiae* nitrogen by lake trout. *Journal of the World Aquaculture Society* 21(3):205-9.
Call Number: 91-008//TL
Notes: Article
- Rumsey GL, Hughes SG. 1991. New starter diets for Atlantic salmon. U.S. Fish and Wildlife Service, Research Information Bulletin 73:2 pages.
Call Number: 92-026//TL
Notes: RIB
- Rumsey GL, Hughes SG, Smith RR, Kinsella JE, Shetty KJ. 1991. Digestibility and energy values of intact, disrupted and extracts from brewer's dried yeast fed to rainbow trout (*Oncorhynchus mykiss*). *Animal Feed Science and Technology* 33:185-93.
Call Number: 91-074//TL
Notes: Article
- Rumsey GL, Hughes SG, Winfree RA. 1993. Chemical and nutritional evaluation of soya protein preparations as

- primary nitrogen sources for rainbow trout (*Oncorhynchus mykiss*). *Animal Feed Science and Technology* 40:135-51.
Call Number: 93-026//TL
Notes: Article
- Rumsey GL, Kinsella JE, Shetty KJ, Hughes SG. 1991. Effect of high dietary concentrations of brewer's dried yeast on growth performance and liver uricase in rainbow trout (*Oncorhynchus mykiss*). *Animal Feed Science and Technology* 33:177-83.
Call Number: 91-070//TL
Notes: Article
- Rumsey GL, Siwicki AK, Anderson DP, Bowser PR. 1993. Soybean antigenicity in salmonids: effects on growth, protein utilization and nonspecific immunity. in. *The Nordic Symposium on Fish Immunology. Abstracts and Participants* Uppsala University, Uppsala, Sweden.
Call Number: 93-081//TL//FH
Notes: Abstract
- Rumsey GL, Siwicki AK, Anderson DP, Bowser PR. 1994. Effect of soybean protein on serological response, non-specific defense mechanisms, growth, and protein utilization in rainbow trout. *Veterinary Immunology and Immunopathology* 41(3-4):323-39.
Call Number: 94-087//PY95//TL//FH
Notes: Article
- Rumsey GL, Winfree RA, Hughes SG. 1992. Nutritional value of dietary nucleic acids and purine bases to rainbow trout (*Oncorhynchus mykiss*). *Aquaculture* 108(1/2):97-110.
Call Number: 93-023//TL
Notes: Article
- Runsey GL. 1991. Choline-betaine requirements of rainbow trout (*Oncorhynchus mykiss*). *Aquaculture* 95(1/2):107-16.
Call Number: 91-071//TL
Notes: Article
- Safford WE, Booke H. 1992. Lack of biochemical, genetic and morphometric evidence for discrete stocks of northwest Atlantic herring *Clupea harengus harengus*. *Fishery Bulletin* 90(1):203-10.
Call Number: 92-046//TF
Notes: Article
- Sakamoto T, McCormick SD, Hirano T. 1993. Osmoregulatory actions of growth hormone and its mode of action in salmonids: a review. *Fish Physiology and Biochemistry* 11(1-6):155-64.
Call Number: 94-123//TF
Notes: Article
- Santerre CR, Blazer VS, Khanna N, Reinert RE, Barrows FT. 1997. Absorption of dietary dieldrin by striped bass. *Bulletin of Environmental Contamination and Toxicology* 58:334-40.
Call Number: 97-050//FH
Notes: Article
- Savino JF, Henry MG, Kincaid HL. 1993. Factors affecting feeding behavior and survival of juvenile lake trout in the Great Lakes. *Transactions of the American Fisheries Society* 122(3):366-77.
Call Number: 94-018//NF
Notes: Article
- Schill AB, McAllister PE. 1996. Genetic sequence comparison of selected IPNV isolates. in. *21st Annual Eastern Fish Health Workshop* Virginia Institute of Marine Science, Gloucester Point, Virginia.

Call Number: 96-077//PY96//FH

Notes: Abstract

Schill B, Waldrop T, Blazer V. 1999. "Molecular flypaper" -- steps toward breaking the cycle by interruption of TAM release and targeting. in. 5th Annual Whirling Disease Symposium: Research and Management Perspectives Holiday Inn Parkside, Missoula, Montana. Bozeman, Montana: Whirling Disease Foundation.
Call Number: 99-009//FH

Notes: Conference Paper

Schill B, Waldrop T, Densmore C, Blazer V. 1999. Non-lethal sampling for the detection of *Myxobolus cerebralis* in asymptomatic rainbow trout. in. 5th Annual Whirling Disease Symposium: Research and Management Perspectives Holiday Inn Parkside, Missoula, Montana. Bozeman, Montana: Whirling Disease Foundation.
Call Number: 99-010//FH

Notes: Conference Paper

Schill WB. 1993. Assessment of biological diversity by DNA analysis techniques. U. S. Fish and Wildlife Service, Research Information Bulletin 39:3 pages.

Call Number: 93-108//FH

Notes: RIB

Schill WB. 1993. A new technique for the detection of *Renibacterium salmoninarum*. National Biological Survey, Research Information Bulletin 101:2 pages.

Call Number: 94-007//FH

Notes: RIB

Schill WB. 1998. Molecular detection and characterizations of *Myxobolus cerebralis*. in. 23rd Annual Eastern Fish Health Workshop John Carver Inn, Plymouth, Massachusetts.

Call Number: 98-035//FH

Notes: Abstract

Schill WB, Dorazio RM. 1990. Immunological discrimination of Atlantic striped bass stocks. Transactions of the American Fisheries Society 119(1):77-85.

Call Number: 90-052//FH//FC

Notes: Article

Schill WB, Hodge DL, McAllister PE, Owens WJ. 1991. Application of polymerase chain reaction techniques to fish health. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.

Call Number: 91-063//FH

Notes: Abstract

Schill WB, McAllister PE, Hodge DL, Owens WJ. 1993. Genetic sequence comparison of selected isolates of infectious pancreatic necrosis virus. National Biological Survey, Research Information Bulletin 103:2 pages.

Call Number: 94-006//FH

Notes: RIB

Schill WB, McAllister PE, Hodge DL, Owens WJ. 1993. Multiple polymerase reaction simultaneously detects three viruses. National Biological Survey, Research Information Bulletin 102:2 pages.

Call Number: 94-005//FH

Notes: RIB

Schill WB, Waldrop TB, Blazer VS. 1998. A polymerase chain reaction method for the routine monitoring of myxosporean infection in laboratory populations of tubificids and fish. in. Third International Symposium

on Aquatic Animal Health Renaissance Harborplace Hotel. Baltimore, Maryland.
Call Number: 98-094//FH
Notes: Abstract P-101

Schneider CP, Schiavone AJr, Eckert TH, McCullough RD, Lantry BF, Einhouse DW, Chrisman JR, Adams CM, Johnson JH, Ross RM. 1999. Double-crested cormorant predation on smallmouth bass and other fishes of the eastern basin of Lake Ontario: overview and summary. [Pages 1-6]. in. Final Report: To assess the impact of double-crested cormorant predation on the smallmouth bass and other fishes of the eastern basin of Lake Ontario. Volume Section 1. New York State Department of Environmental Conservation Bureau of Fisheries//United States Geological Survey, Biological Resources Division//.
Call Number: 99-106//NF
Notes: Report

Schrank CS, Cormier SM, Blazer VS. 1996. Contaminant exposure, biochemical, and histopathological biomarkers in white suckers from contaminated and reference sites in the Sheboygan River, Wisconsin. In. 1996 Meeting American Fisheries Society, Fish Health Section Madison, Wisconsin.
Call Number: 96-073//PY96//FH
Notes: Abstract

Schrank CS, Cormier SM, Blazer VS. 1997. Contaminant exposure, biochemical, and histopathological biomarkers in white suckers from contaminated and reference sites in the Sheboygan River, Wisconsin. *Journal of Great Lakes Research* 23(2):119-30.
Call Number: 97-018//FH
Notes: Article

Schreiber K. 1995. Acidic deposition ("acid rain"). [Pages 418-420]. in: LaRoe ET, Farris GS, Puckett CE, Doran PD, Mac MJ, editors. *Our Living Resources: A Report to the Nation on the Distribution, Abundance, and Health of U.S. Plants, Animals, and Ecosystems*. Washington, D. C.: U.S. Department of the Interior, National Biological Service.
Call Number: 96-015//PY96//LSC
Notes: Chapter

Schreiber K. 1997. Partnerships in action: restoring Appalachian streams damaged by acidity. *Echo (Mid-Atlantic Highlands Coordinating Council)* (Fall):10-1.
Call Number: 97-012//LSC
Notes: Article

Schreiber RK. 1988. Cooperative federal-state liming research on surface waters impacted by acidic deposition. *Water, Air, and Soil Pollution* 41(1-2):53-73.
Call Number: 90-015//FC
Notes: Article

Schreiber RK. 1991. Acid rain, a threat to aquatic resources. [Pages 119-120]. in: Carmichael Gea, editors. *Sea Fare Cookbook*. Bethesda, Maryland: American Fisheries Society.
Call Number: 93-064//FC
Notes: Chapter

Schreiber RK. 1996. Amelioration of surface waters affected by acidic deposition. *Restoration Ecology* 4(3):203-5.
Call Number: 96-100//FY96//LSC
Notes: Article

Schreiber RK, Newman JR. 1990. Effects of air pollution on wildlife: a synthesis. in. 19th World Congress: Sciences in Forestry, IUFRO's Second Century Montreal, Canada.
Call Number: 90-088//FC
Notes: Conference Paper

- Schreiber RK, Vilella R. 1991. An overview of the U.S. Fish and Wildlife Service mitigation research program. [Pages 25-40]. in: Olem H, Schreiber RK, Brocksen RW, Porcella DB, editors. International Lake and Watershed Liming Practices. Washington, D. C.: The Terrene Institute, Inc.
Call Number: 92-023//FC
Notes: Chapter
- Schreiber RK, Vilella RF. 1989. Acid-sensitive lake responds to mitigative liming. U.S. Fish and Wildlife Service, Research Information Bulletin 82:3 pages.
Call Number: 90-007//FC
Notes: RIB
- Schultz CL, McAllister PE, Schill WB, Lidgerding BC, Hetrick FM. 1989. Detection of infectious hematopoietic necrosis virus in cell culture fluid using immunoblot assay and biotinylated nonclonal antibody. Diseases of Aquatic Organisms 7(1):31-7.
Call Number: 90-016//FH
Notes: Article
- Schwalbe PW, Ross RM. 1992. Great blue heron *Ardea herodias*. [Pages 50-51]. in: Brauning DW, editor. Atlas of Breeding Birds in Pennsylvania. Pittsburgh, Pennsylvania: University of Pittsburgh Press.
Call Number: 93-035//NF
Notes: Chapter
- Secor DH, Henderson-Arzapalo A. 1993. Verification of otolith microchemistry method to investigate anadromy in Chesapeake Bay striped bass. in. Emergency Striped Bass Study Annual Workshop Annapolis, Maryland.
Call Number: 93-067//FC
Notes: Conference Paper
- Secor DH, Henderson-Arzapalo A, Piccoli PM. 1995. Can otolith microchemistry chart patterns of migration and habitat utilization in anadromous fishes? Journal of Experimental Marine Biology and Ecology 192:15-33.
Call Number: 96-031//PY96//AE
Notes: Article
- Secor DH, Henderson-Arzapalo A, Piccoli PM, Houde ED. 1994. Migration patterns and habitat use of Chesapeake Bay and Hudson River striped bass: quantification of salinity histories using otolith microchemistry. in. Striped Bass Study Annual Workshop Alexandria, Virginia.
Call Number: 94-119//AE
Notes: Conference Paper
- Secor DH, Houde ED, Henderson-Arzapalo A, Picoli PM. 1993. Tracing the migrations of estuarine and coastal fishes using otolith microchemistry. International Council for the Exploration of the Sea C.M. 1993(M:41):16 pages.
Call Number: 93-094//FC
Notes: Article
- Shotts E, Plumb J. 1998. Major bacterial diseases of fish in the southern region of the United States. in. First Russia - USA Symposium: Aquaculture and Fish Health: Program and Abstracts. Rybnoe, Dmitrov Region, Moscow Province, Russia. Moscow, Russia: Ministry of Agriculture and Foodstuffs of Russia, Department of Fishery, All-Russian Research Institute of Freshwater Fisheries//United States Department of the Interior, National Geological Survey, National Fish Health Research Laboratory.
Call Number: 98-076//FH
Notes: Abstract
- Shotts EB, Starliper CE, Sawyer RT, Lance J. 1990. *Aeromonas* and the medicinal leech (*Hirudo medicinalis*). in. Program and Proceedings: Annual Meeting Southeastern Branch, American Society for Microbiology Clearwater Beach, Florida.

Call Number: 91-103//FH

Notes: Abstract

Shotts EBJr. 1998. Motile Aeromonads in fish disease. in. First Russia - USA Symposium: Aquaculture and Fish Health: Program and Abstracts. Rybnoe, Dmitrov Region, Moscow Province, Russia. Moscow, Russia: Ministry of Agriculture and Foodstuffs of Russia, Department of Fishery, All-Russian Research Institute of Freshwater Fisheries//United States Department of the Interior, National Geological Survey, National Fish Health Research Laboratory.

Call Number: 98-081//FH

Notes: Abstract

Shotts EBJr. 1999. Selected review of fish related *Mycobacteria*: disease implications and the environment. in. Proceedings of the 24th Annual Eastern Fish Health Workshop Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina.

Call Number: 99-025//FH

Notes: Abstract

Shotts EBJr, Cipriano RC. 1998. An historical note about the Eastern Fish Health Workshop. in. 23rd Annual Eastern Fish Health Workshop John Carver Inn, Plymouth, Massachusetts.

Call Number: 98-033//FH

Notes: Abstract

Shotts EBJr, Starliper CE. 1999. Flavobacterial diseases: columnaris disease, cold-water disease and bacterial gill disease. [Pages 559-576]. in: Woo PTK, Bruno DW, editors. Fish Diseases and Disorders: Volume 3 Viral, Bacterial and Fungal Infections. New York, New York: CABI Publishing.

Call Number: 99-040//FH

Notes: Chapter

Shrimpton JM, Bernier NJ, Iwama GK, Randall DJ. 1994. Differences in measurements of smolt development between wild and hatchery-reared juvenile coho salmon (*Oncorhynchus kisutch*) before and after saltwater exposure. Canadian Journal of Fisheries and Aquatic Sciences 51:2170-8.

Call Number: 95-090//PY96//TF

Notes: Article

Shrimpton JM, Bernier NJ, Randall DJ. 1994. Changes in cortisol dynamics in wild and hatchery-reared juvenile coho salmon (*Oncorhynchus kisutch*) during smoltification. Canadian Journal of Fisheries and Aquatic Sciences 51:2179-87.

Call Number: 95-088//PY96//TF

Notes: Article

Shrimpton JM, Devlin RH, McLean E, Byatt JC, Donaldson EM, Randall DJ. 1995. Increases in gill cytosolic corticosteroid receptor abundance and saltwater tolerance in juvenile coho salmon (*Oncorhynchus kisutch*) treated with growth hormone and placental lactogen. General and Comparative Endocrinology 98:1-15.

Call Number: 95-089//PY96//TF

Notes: Article

Shrimpton JM, McCormick SD. 1998. Regulation of gill cytosolic corticosteroid receptors in juvenile Atlantic salmon: interaction effects of growth hormone with prolactin and triiodothyronine. General and Comparative Endocrinology 112:262-74.

Call Number: 98-109//TF

Notes: Article

Shrimpton JM, McCormick SD. 1998. Seasonal differences in plasma cortisol and gill corticosteroid receptors in upper and lower mode juvenile Atlantic salmon. Aquaculture 168(1-4):205-19.

Call Number: 99-026//TF

Notes: Article

Shrimpton JM, McCormick SD. 1999. Responsiveness of gill Na⁺/K⁺-ATPase to cortisol is related to gill corticosteroid receptor concentrations in juvenile rainbow trout. *Journal of Experimental Biology* 202(8):987-95.

Call Number: 99-064//TF

Notes: Article

Simon RC. 1990. 1990 Progress report on cryopreservation of Atlantic salmon sperm. in. *Proceedings of the Atlantic Salmon Workshop* U.S. Fish and Wildlife Service, Northeast Fishery Center, Rockport, Maine.

Call Number: 90-085//FH

Notes: Conference Paper

Simon RC. 1991. Management techniques to minimize the loss of genetic variability in hatchery fish populations. *American Fisheries Society Symposium* 10:487-94.

Call Number: 92-006//FH

Notes: Article

Simon RC, Hendrix MA. 1990. Penobscot River Atlantic salmon: an evaluation of population viability. in. *Proceedings of the Atlantic Salmon Workshop* U.S. Fish and Wildlife Service, Northeast Fishery Center, Rockport, Maine.

Call Number: 90-086//FH

Notes: Conference Paper

Siwicki AK, Anderson DP. 1990. Nonspecific immuno-prophylaxis in carp (*Cyprinus carpio*). in. *EIFAC/FAO Symposium on Production Enhancement in Still Water Pond Culture* Prague, Czechoslovakia.

Call Number: 90-091//FH

Notes: Abstract

Siwicki AK, Anderson DP. 1993. Development of in vitro tests to screen potential immunostimulants: dosage effects of a glucan and chitosan on splenic cells from rainbow trout. in. *The Nordic Symposium on Fish Immunology. Abstracts and Participants* Uppsala University, Uppsala, Sweden.

Call Number: 93-080//FH

Notes: Abstract

Siwicki AK, Anderson DP. 1993. The immune system of fish. [Pages 7-10]. in: Siwicki AK, Anderson DP, Waluga J, editors. *Fish Disease Diagnosis and Preventions Methods*. Olsztyn, Poland: Wydawnictwo Instytutu Rybactwa Stroladowego.

Call Number: 94-022//FH

Notes: Chapter

Siwicki AK, Anderson DP. 1993. Nonspecific defence mechanisms assay in fish. II. Potential killing activity of neutrophils and manocytes, lysozyme activity in serum and organs and total immunoglobulin (Ig) level in serum. [Pages 105-111]. in: Siwicki AK, Anderson DP, Waluga J, editors. *Fish Disease Diagnosis and Preventions Methods*. Olsztyn, Poland: Wydawnictwo Instytutu Rybactwa Stroladowego.

Call Number: 94-023//FH

Notes: Chapter

Siwicki AK, Anderson DP. 1993. Techniques for determining modulations in nonspecific immunity in fish exposed to immunostimulants. in. *The Nordic Symposium on Fish Immunology. Abstracts and Participants* Uppsala University, Uppsala, Sweden.

Call Number: 93-082//FH

Notes: Abstract

Siwicki AK, Anderson DP, Antychowicz J. 1993. Nonspecific defence mechanisms assay in fish. I. Phagocytic

- index, adherence and phagocytic ability of neutrophils (NBT test) and myeloperoxidase activity test. [Pages 95-104]. in: Siwicki AK, Anderson DP, Waluga J, editors. Fish Disease Diagnosis and Preventions Methods. Olsztyn, Poland: Wydawnictwo Instytutu Rybactwa Strodładowego.
Call Number: 94-026//FH
Notes: Chapter
- Siwicki AK, Anderson DP, Dixon OW. 1989. Comparisons of nonspecific and specific immunomodulation of oxolinic acid, oxytetracycline and levamisole in salmonids. *Veterinary Immunology and Immunopathology* 23:195-200.
Call Number: 90-026//FH
Notes: Article
- Siwicki AK, Anderson DP, Dixon OW. 1990. In vitro immunostimulation of rainbow trout (*Oncorhynchus mykiss*) spleen cells with levamisole. *Developmental and Comparative Immunology* 14(2):231-7.
Call Number: 90-045//FH
Notes: Article
- Siwicki AK, Anderson DP, Dixon OW. 1992. In vitro effect of levamisole on the neutrophil activity of rainbow trout (*Oncorhynchus mykiss*). *Archivum Immunologiae Et Therapiae Experimentalis* 40:253-6.
Call Number: 93-112//FH
Notes: Article
- Siwicki AK, Anderson DP, Dunier M, Studnicka M. 1993. Influence of the immunostimulants on the nonspecific defence mechanisms and antibody secreting cells in carp. in. "Diseases of Fish and Shellfish". Book of Abstracts. Sixth International Conference, European Association of Fish Pathologists Brest, France.
Call Number: 93-111//FH
Notes: Abstract
- Siwicki AK, Anderson DP, Rumsey GK. 1993. Nonspecific defense mechanisms and disease resistance are enhanced in rainbow trout fed immunostimulants. in. *Modulators of Fish Immune Responses: Models for Environmental Toxicology/Biomarkers, Immunostimulators*. Breckenridge, Colorado.
Call Number: 93-113//FH//TL
Notes: Abstract
- Siwicki AK, Anderson DP, Rumsey GL. 1993. Dietary intake of immunostimulants raises nonspecific immunity and protection against *Aeromonas salmonicida* challenges in rainbow trout. in. *The Nordic Symposium on Fish Immunology. Abstracts and Participants* Uppsala University, Uppsala, Sweden.
Call Number: 93-077//FH//TL
Notes: Abstract
- Siwicki AK, Anderson DP, Rumsey GL. 1993. Immunostimulants raise nonspecific defense mechanisms and protection in rainbow trout when incorporated into diets. in. "Diseases of Fish and Shellfish". Book of Abstracts. Sixth International Conference, European Association of Fish Pathologists Brest, France.
Call Number: 93-110//FH//TL
Notes: Abstract
- Siwicki AK, Anderson DP, Rumsey GL. 1994. Dietary intake of immunostimulants by rainbow trout affects non-specific immunity and protection against furunculosis. *Veterinary Immunology and Immunopathology* 41(1-2):125-39.
Call Number: 94-067//PY94//FH//TL
Notes: Article
- [Anonymous]. 1993 Siwicki AK, Anderson DP, Waluga J, editors. Fish disease diagnosis and preventions methods. Olsztyn, Poland: Wydawnictwo Instytutu Rybactwa Srodładowego. 182 pages.
Call Number: 94-011//FH

Notes: Book Editor

- Siwicki AK, Studnicka M, Klodzinska H, Anderson DP. 1992. Influence of boviglobin and ceromangan on the cellular and humoral immunity of carp spawners. in. Abstract Bulletin: World Fisheries CongressAthens, Greece.
Call Number: 92-044//FH
Notes: Abstract
- Siwicki AK, Studnicka M, Klodzinska H, Anderson DP. 1996. Influence of Boviglobin and Ceromangan on the cellular and humoral immunity of carp spawners. *in*: Heggberget TG, editor. The Role of Aquaculture in World Fisheries. Proceedings of the World Fisheries Congress, Theme 6New Delhi, India: Oxford & IBH Publishing Co. Pvt. Ltd.
Call Number: 96-104//PY96//FH
Notes: Chapter
- Smith D. 1994. Estimating hatchery contribution of striped bass using log-linear modeling. *in*. Proceedings of a Workshop on the striped bass binary coded wire tag recovery program. Special Report No. 43 of the Atlantic States Marine Fisheries Commission.
Call Number: 95-079//PY95//AE
Notes: Article
- Smith DR. 1996. Improved access to software published in the Wildlife Society Bulletin. Wildlife Society Bulletin 24(2):339.
Call Number: 97-088//AE
Notes: Article
- Smith DR. 1999. Cooperative striped bass tagging program. *in*. Proceedings of the Atlantic Striped Bass Workshop and Roundtable Discussion. Special Report No. 67 of the Atlantic States Marine Fisheries Commission.
Call Number: 99-085//AE
Notes: Article
- Smith DR, Conroy MJ. 1994. Adaptive sampling for estimating wintering waterfowl density. *in*. Progress to Meet the Challenge of Environmental Change. Proceedings of the 6th International Congress of EcologyManchester, United Kingdom.
Call Number: 95-075//PY95//AE
Notes: Abstract
- Smith DR, Conroy MJ, Brakhage DH. 1995. Efficiency of adaptive cluster sampling for estimating density of wintering waterfowl. Biometrics 51:777-88.
Call Number: 95-098//PY96//AE
Notes: Article
- Smith DR, Pooler PS. 1999. Temporal and spatial variation in horseshoe crab spawning: implications for long-term monitoring. in. American Fisheries Society 129th Annual Meeting: Integrating Fisheries Principles From Mountain to Marine HabitatsCharlotte, North Carolina.
Call Number: 99-084//AE
Notes: Abstract
- Smith DR, Reinecke KJ, Conroy MJ, Brown MW, Nassar JR. 1995. Factors affecting visibility rate of waterfowl surveys in the Mississippi alluvial valley. Journal of Wildlife Management 59(3):515-27.
Call Number: 96-028//PY96//AE
Notes: Article
- Smith DR, Vilella RF, Lemarie DP. 1995. Evaluation of line transect sampling for estimating density of freshwater mussel assemblages. in. Abstracts: 51st Annual Northeast Fish and Wildlife ConferenceOcean City,

Maryland.
Call Number: 95-076//PY95//AE
Notes: Abstract

Smith DR, Vilella RF, Lemarie DP. 1995. A flexible multi-stage design for sampling freshwater mussel populations using double sampling for stratification. in. Abstracts: 51st Annual Northeast Fish and Wildlife Conference Ocean City, Maryland.
Call Number: 95-077//PY95//AE
Notes: Abstract

Smith DR, Vilella RF, Lemarie DP. 1997. Two-phase adaptive sampling. in. Program & Abstracts: 1997 Spring Meeting: The Communication of Statistics: Exchange and Dissemination: A Joint Meeting with IMS and Sections of ASACrowne Plaza Hotel, Memphis, Tennessee. The International Biometric Society, Eastern North American Region.
Call Number: 97-087//AE
Notes: Abstract

Smith DR, Vilella RF, Lemarie DP. 1999. Recommendations for quantitative sampling of Atlantic-slope freshwater mussels. in. Fifty-fifth Annual Northeast Fish and Wildlife Conference Abstracts: Looking ahead: Fish and Wildlife Management in the 21st Century New Hampshire Fish and Game Department, Manchester, New Hampshire. Concord, New Hampshire: New Hampshire Fish and Game Department.
Call Number: 99-042/AE
Notes: Abstract

Smith DR, Vilella RF, Lemarie DP, Von Oettingen S. 1999. How much excavation is needed for monitoring populations of freshwater mussels. in. Program Guide & Abstracts The First Symposium of the Freshwater Mollusk Conservation Society. Musseling in on Biodiversity. Clarion Hotel. Chattanooga, TN.
Call Number: 99-074//AE
Notes: Abstract

Smith ER, Parker CR, Peine JD. 1999. Environmental monitoring. [Pages 167-185]. in: Peine JD, editor. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, Florida: Lewis Publishers.
Call Number: 98-061//GSM
Notes: Chapter

Smith RR, Winfree RA, Rumsey GW, Allred A, Peterson M. 1995. Apparent digestion coefficients and metabolizable energy of feed ingredients for rainbow trout *Oncorhynchus mykiss*. Journal of the World Aquaculture Society 26(4):432-7.
Call Number: 96-002//PY96//TL
Notes: Article

Smith SA, McAllister PE, Hrubec TC, Veit HP. 1993. Survey of endemic diseases of cultured rainbow trout in Virginia, U.S.A. in. Aquaculture Association of Canada, 10th Annual Meeting and Conference Charlottetown, Prince Edward Island, Canada.
Call Number: 93-097//FH
Notes: Abstract

Smith TR, Haines TA. 1995. Mortality, growth, swimming activity and gill morphology of brook trout (*Salvelinus fontinalis*) and Atlantic salmon (*Salmo salar*) exposed to low pH with and without aluminum. Environmental Pollution 90(1):33-40.
Call Number: 96-030//PY96//AE
Notes: Article

Snyder C. 1998. Aquatic biodiversity associated with eastern hemlock in Delaware Water Gap National Recreation

Area (DEWA). Hemlock Woolly Adelgid Newsletter September(3):9-10.
Call Number: 99-111//AE
Notes: Article

Snyder C, Young J, Smith D, Lemarie D, Ross R, Bennett R. 1999. Influence of eastern hemlock on aquatic biodiversity in Delaware Water Gap National Recreation Area. United States Geological Survey: Kearneysville, West Virginia .
Call Number: 99-087//AE//NF
Notes: Report

Snyder CD. 1992. Physiological, population, and genetic responses of an aquatic insect (*Isonychia bicolor*) to chronic mercury pollution. [Ph. D. Dissertation]. Blacksburg, Virginia: Virginia Institute Polytechnic. 145 pages.
Call Number: 93-072//FC

Snyder CD, Hendricks AC. 1993. Genetic responses of *Isonychia bicolor* (Ephemeroptera:Oligoneuriidae) to chronic mercury pollution. Bulletin of the North American Benthological Society 10(1):85.
Call Number: 93-065//FC
Notes: Abstract

Snyder CD, Hendricks AC. 1995. Effect of seasonally changing feeding habits on whole-animal mercury concentrations in *Hydropsyche morosa* (Trichoptera: Hydropsychidae). Hydrobiologia 299:115-23.
Call Number: 95-070//PY95//AE
Notes: Article

Snyder CD, Hendricks AC. 1997. Genetic responses of *Isonychia bicolor* (Ephemeroptera: Isonychiidae) to chronic mercury pollution. Journal of the North American Benthological Society 16(3):651-63.
Call Number: 97-017//AE
Notes: Article

Snyder CD, Lemarie DP, Smith DR, Young JA, Ross RA, Bennett RM. 1999. Comparison of thermal and hydrologic patterns between streams draining eastern hemlock and mixed hardwood forests: implications to stream communities. in. American Fisheries Society 129th Annual Meeting: Integrating Fisheries Principles From Mountain to Marine Habitats Charlotte, North Carolina.
Call Number: 99-096//AE//NF
Notes: Abstract

Snyder CD, Young JA, Lemarie D, Smith DR, Ross R, Bennett R. 1999. Potential effects of pathogen-induced hemlock forest decline on aquatic biodiversity in Delaware Water Gap National Recreation Area. The Keystone Surveyor Summer/Fall :6-7.
Call Number: 99-112//AE//NF
Notes: Article

Soderberg RN, Ross RM, Krise WF, DiLauro MN. 1993. Oxygen consumption and ammonia production of rainbow trout in three different types of rearing units. in. 123rd Annual Meeting, American Fisheries Society Portland, Oregon.
Call Number: 93-102//NF
Notes: Abstract

Soderberg RW, Meade JW. 1991. The effects of ionic strength on un-ionized ammonia concentration. Progressive Fish-Culturist 53(2):118-20.
Call Number: 91-110//TL
Notes: Article

Soderberg RW, Meade JW. 1992. Effects of sodium and calcium on acute toxicity of un-ionized ammonia to

- Atlantic salmon and lake trout. *Journal of Applied Aquaculture* 1(4):83-92.
Call Number: 93-088//NF
Notes: Article
- Soderberg RW, Meade JW, Redell LA. 1990. Fin condition of Atlantic salmon (*Salmo salar*) reared at high densities in heated water. in. Final Program and Abstracts: Eastern Fish Health WorkshopCharlottetown, P. E. I., Canada.
Call Number: 91-098//TL
Notes: Abstract
- Soderberg RW, Meade JW, Redell LA. 1990. Growth, survival and food conversion of Atlantic salmon (*Salmo salar*) reared at different densities and constant water quality. in. World Aquaculture 90: Abstracts-resumes. *Aquaculture Mondiale* 90Halifax, Canada.
Call Number: 90-048//NF
Notes: Abstract
- Soderberg RW, Meade JW, Redell LA. 1993. Fin condition of Atlantic salmon reared at high densities in heated water. *Journal of Aquatic Animal Health* 5(1):77-9.
Call Number: 93-049//TL
Notes: Article
- Soderberg RW, Meade JW, Redell LA. 1993. Growth, survival and food conversion of Atlantic salmon reared at four different densities with common water quality. *Progressive Fish-Culturist* 55(1):29-31.
Call Number: 93-098//TL
Notes: Article
- Sousa RJ1992. Mortality of Connecticut River Atlantic salmon - is it occurring in the Ocean? Report to the U.S. Atlantic Salmon Assessment Committee, Turners Falls, Massachusetts.
Call Number: 92-064//TF
Notes: Unpublished Report
- Sowizral KC, Rumsey GL, Kinsella JE. 1990. Effects of dietary a-linolenic acid on n-3 fatty acids of rainbow trout lipids. *Lipids* 25(5):246-53.
Call Number: 91-009//TL
Notes: Article
- Spurgeon AB, Starliper CE, Lidgerding BC. 1999. Relative susceptibility of nauyuk and labrador arctic charr to experimental challenge with bacterial pathogens: a comparison to rainbow and brook trout. *Proceedings of the West Virginia Academy of Science* 71(1):3-4.
Call Number: 99-071//FH
Notes: Abstract
- Stafford C, Haines TA. 1994. Mercury concentrations in predatory fishes from Maine lakes. in. Abstracts: 15th Annual Meeting Society of Environmental Toxicology and ChemistryDenver, Colorado.
Call Number: 95-078//PY95//AE
Notes: Abstract
- Stafford CP, Haines TA. 1997. Mercury concentrations in Maine sport fishes. *Transactions of the American Fisheries Society* 126(1):144-52.
Call Number: 97-075//AE
Notes: Article
- Starliper C, Cooper R, Rodgers S. 1996. Studies on Romet resistance in *Aeromonas salmonicida*. in. 21st Annual Eastern Fish Health WorkshopVirginia Institute of Marine Science, Gloucester Point, Virginia.
Call Number: 96-088//PY96//FH

Notes: Abstract

Starliper C, Villella R, Morrison P, Mathias J. 1997. Sampling the bacterial flora of freshwater mussels from the Ohio River. in. 22nd Annual Eastern Fish Health Workshop Royal Pavilion Resort, Atlantic Beach, North Carolina.

Call Number: 97-006//FH//AE

Notes: Abstract

Starliper CE. 1991. Columnaris disease of fishes. *Georgia Veterinarian* 43(1):16-7.

Call Number: 91-081//FH

Notes: Article

Starliper CE. 1994. Bacterial gill disease: selected environmental stressors thought to predispose salmonids to the disease. *National Biological Survey, Research Information Bulletin* 42:2 pages.

Call Number: 94-069//PY94//FH

Notes: RIB

Starliper CE. 1994. Bacterial kidney disease: bacterial isolate virulence determined in brook trout. *National Biological Survey, Research Information Bulletin* 41:2 pages.

Call Number: 94-068//PY94//FH

Notes: RIB

Starliper CE. 1996. Comparison of four cell diluents to determine viable counts of *Renibacterium salmoninarum*. *Biomedical Letters* 53:139-47.

Call Number: 97-052//FH

Notes: Article

Starliper CE. 1996. Genetic diversity of North American isolates of *Renibacterium salmoninarum*. *Diseases of Aquatic Organisms* 27:207-13.

Call Number: 97-045//FH

Notes: Article

Starliper CE. 1997. Effects of cell diluents on enumeration of viable *Renibacterium salmoninarum*. U.S. Geological Survey, Biological Resources, Biological Information and Technology Notes 97-003

(<http://biology.usgs.gov/news/97-003.html>):3 pages.

Call Number: 97-014//FH

Notes: Bit Notes

Starliper CE. 1997. Evaluation of the genetic diversity of *Renibacterium salmoninarum*. U.S. Geological Survey, Biological Resources, Biological Information and Technology Notes 97-005

(<http://biology.usgs.gov/news/97-005.html>):3 pages.

Call Number: 97-013//FH

Notes: Bit Notes

Starliper CE. 1997. Sampling the bacterial flora of freshwater mussels. U.S. Geological Survey, Biological Resources, Biological Information and Technology Notes 97-007 (<http://biology.usgs.gov/news/97-007.html>):4 pages.

Call Number: 97-079//FH

Notes: Bit Notes

Starliper CE. 1997. Susceptibility of salmonid fishes to *Renibacterium salmoninarum*. U.S. Geological Survey, Biological Resources, Biological Information and Technology Notes 97-008

(<http://biology.usgs.gov/news/97-008.html>):3 pages.

Call Number: 97-065//FH

Notes: Bit Notes

- Starliper CE. 1998. Evaluation of different serum-free broth media for growth of *Renibacterium salmoninarum*. in. 23rd Annual Eastern Fish Health Workshop John Carver Inn, Plymouth, Massachusetts.
Call Number: 98-037//FH
Notes: Abstract
- Starliper CE, Bullock GL, Hankins J, Mathias J. 1998. Relative susceptibility of Arctic char *Salvelinus alpinus* to experimental challenge with selected bacterial fish pathogens. in. 23rd Annual Eastern Fish Health Workshop John Carver Inn, Plymouth, Massachusetts.
Call Number: 98-036//FH
Notes: Abstract
- Starliper CE, Cipriano RC, Teska JD. 1991. Case study of infection of salmonids in the north branch of the Potomac River. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-068//FH
Notes: Abstract
- Starliper CE, Cooper RK. 1997. Antimicrobial resistance in *Aeromonas salmonicida*. U.S. Geological Survey, Biological Resources, Biological Information and Technology Notes 97-009 (<http://biology.usgs.gov/news/97-009.html>):3 pages.
Call Number: 97-086//FH
Notes: Bit Notes
- Starliper CE, Cooper RK. 1998. Biochemical and conjugation studies of romet-resistant strains of *Aeromonas salmonicida* from salmonid rearing facilities in the eastern United States. *Journal of Aquatic Animal Health* 10(3):221-9.
Call Number: 98-046//FH
Notes: Article
- Starliper CE, Cooper RK, Hawke JP, Shotts EB, Rodgers S. 1999. Widespread nature of antimicrobial resistance in fish pathogens, with particular reference to R-plasmids. in. Proceedings of the 24th Annual Eastern Fish Health Workshop Royal Pavilion Resort and Conference Center, Atlantic Beach, North Carolina.
Call Number: 99-023//FH
Notes: Abstract
- Starliper CE, Cooper RK, Shotts EB. 1990. Some *Edwardsiella ictaluri* strains are Romet resistant. U.S. Fish and Wildlife Service, Research Information Bulletin 107:3 pages.
Call Number: 91-019//FH
Notes: RIB
- Starliper CE, Cooper RK, Shotts EB. 1990. Studies of the molecular basis of romet resistant strains of *Edwardsiella ictaluri*. in. Program and Proceedings: Annual Meeting Southeastern Branch, American Society for Microbiology Clearwater Beach, Florida.
Call Number: 91-105//FH
Notes: Abstract
- Starliper CE, Cooper RK, Shotts EB. 1991. Plasmid mediated romet-resistance of *Edwardsiella ictaluri*. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia. National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-067//FH
Notes: Abstract
- Starliper CE, Cooper RK, Shotts Jr EB, Taylor PW. 1993. Plasmid-mediated romet resistance of *Edwardsiella ictaluri*. *Journal of Aquatic Animal Health* 5(1):1-8.
Call Number: 93-047//FH

Notes: Article

Starliper CE, Mathias J, Hickerson J. 1999. Interaction of freshwater unionids and salmonid fishes: relevance of bacterial contagion. in. Program Guide & Abstracts The First Symposium of the Freshwater Mollusk Conservation Society. Musseling in on Biodiversity. Clarion Hotel. Chattanooga, TN.

Call Number: 99-039//FH

Notes: Abstract

Starliper CE, Schill WB, Mathias J. 1998. Performance of serum-free broth media for growth of *Renibacterium salmoninarum*. Diseases of Aquatic Organisms 34(1):21-6.

Call Number: 98-097//FH

Notes: Article

Starliper CE, Shotts EB, Brown J. 1992. Isolation of *Carnobacterium piscicola* and an unidentified gram-positive bacillus from sexually mature and post-spawning rainbow trout *Oncorhynchus mykiss*. Diseases of Aquatic Organisms 13(3):181-7.

Call Number: 92-097//FH

Notes: Article

Starliper CE, Smith DR. 1995. Virulence of *Renibacterium salmoninarum* isolates in various salmonid hosts determined by ip. infection challenge . in. Western Fish Disease Workshop Twin Falls, Idaho.

Call Number: 95-045//PY95//FH//AE

Notes: Abstract

Starliper CE, Smith DR, Shatzer T. 1997. Virulence of *Renibacterium salmoninarum* to salmonids. Journal of Aquatic Animal Health 9:1-7.

Call Number: 97-046//FH//AE

Notes: Article

Starliper CE, Teska JD. 1995. Loss of antigenicity in the progeny of an apparently healthy population of brook trout. National Biological Service, NBS Information Bulletin 43:2 pages.

Call Number: 95-103//PY96//FH

Notes: NIB

Starliper CE, Teska JD. 1995. Relevance of *Renibacterium salmoninarum* in an asymptomatic carrier population of brook trout, *Salvelinus fontinalis* (Mitchill). Journal of Fish Diseases 18:383-7.

Call Number: 96-001//PY96//FH

Notes: Article

Starliper CE, Villella R, Morrison P, Mathias J. 1998. Preliminary studies on the potential for bacterial pathogen contagion between freshwater mussels and salmonid fish. in. Conservation, Captive Care, & Propagation Freshwater Mussel Symposium: Program & Abstracts Holiday Inn-Worthington, Columbus, Ohio.

Call Number: 98-106//FH//AE

Notes: Abstract

Starliper CE, Villella R, Morrison P, Mathias J. 1998. Studies on the bacterial flora of native freshwater bivalves from the Ohio River. Biomedical Letters 58(229):85-95.

Call Number: 99-006//FH//AE

Notes: Article

Stasiak SA, Baumann PC. 1996. Neutrophil activity as a potential bioindicator for contaminant analysis. Fish and Shellfish Immunology 6:537-9.

Call Number: 97-059//FH

Notes: Article

- Stolen JS, Fletcher TC, Anderson DP, Kaattari SL, Rowley AF. 1992. Techniques in fish immunology. Fair Haven, New Jersey. 196 pages: SOS Publications.
Call Number: 92-072//FH
Notes: Book
- Stolen JS, Fletcher TC, Anderson DP, Roberson BS, van Muiswinkel WB. 1990. Techniques in Fish Immunology. Fair Haven, New Jersey. 220 pages.: SOS Publications.
Call Number: 90-089//FH
Notes: Book
- [Anonymous]. 1994Stolen JS, Fletcher TC, Anderson DP, Zelikoff JT, Twerdok LE, Kaattari SL, Bayne CC, editors. Modulators of fish immune response. Volume 1. Models for environmental toxicology, biomarkers, immunostimulators. Fair Haven, New Jersey: SOS Publications. 252 pages.
Call Number: 94-050//FH
Notes: Book Editor
- [Anonymous]. 1995Stolen JS, Fletcher TC, Bayne CJ, Secombes C, Zelikoff JT, Twerdok L, Anderson DP, editors. Modulators of immune responses: the evolutionary trail. Fair Haven, New Jersey: SOS Publications. 600 pagesBreckenridge Series; Vol. 2).
Call Number: 96-040//PY96//FH
Notes: Book
- Summerfelt ST, Durant MD, Vinci BJ, Timmons MB, Watten BJ. 1997. Effect of chemical equilibrium on estimates of carbon dioxide stripping in packed columns. in. World Aquaculture '97: Book of Abstracts. The Annual International Conference and Exposition of the World Aquaculture Society and the Annual National Aquaculture Conference and Exposition of the National Aquaculture Association. Washington State Convention Center, Seattle, Washington.
Call Number: 97-049//NF
Notes: Abstract 496
- Summerfelt ST, Timmons MB, Watten BJ. 1998. Culture tank designs to increase profitability. in: Libey GS, Timmons MB, editors. Proceedings of the Second International Conference on Recirculating Aquaculture Virginia Polytechnic Institute and State University, Roanoke, Virginia. Roanoke, Virginia: Virginia Polytechnic Institute and State University.
Call Number: 98-009//RT
Notes: Conference Paper
- Summerfelt ST, Vinci BJ, Timmons MB, Watten BJ. 1999. Stripping columns remove carbon dioxide from recirc systems. Recirc Today 1(4):24-6.
Call Number: 99-091//RT
Notes: Article
- Symula J, Meade J, Skea JC, Cummings L, Colquhoun JR, Dean HJ, Miccoli J. 1990. Blue-sac disease in Lake Ontario lake trout. Journal of Great Lakes Research 16(1):41-52.
Call Number: 90-041//NF
Notes: Article
- Tabb LCI, Starliper CE, Shotts EB Jr, Everson J, Palmisano AW. 1998. Windrow composting as an effective method to dispose of large numbers of fish. U.S. Geological Survey, Biological Resources, Biological Information and Technology Notes 98-013 (<http://biology.usgs.gov/news/98-013.html>):4 pages.
Call Number: 99-032//FH//AE//LSC
Notes: Bit Notes
- Teska JD. 1992. Laboratory and field trials of a growth enhancing method for the in-vitro culture of *Renibacterium salmoninarum*. in. Eastern Fish Health Section and American Fisheries Society, Fish Health Section

Workshop Auburn University Hotel and Conference Center, Auburn, Alabama.
Call Number: 92-059//FH
Notes: Abstract

Teska JD. 1992. Methods of enhancing growth of the bacterium that causes bacterial kidney disease in salmonids examined. U.S. Fish and Wildlife Service, Research Information Bulletin 45:2 pages.

Call Number: 93-073//FH
Notes: RIB

Teska JD. 1993. Assay to evaluate the reaction kinetics of Chondroitin AC lyase produced by *Cytophaga columnaris*. Journal of Aquatic Animal Health 5:259-64.

Call Number: 94-028//FH
Notes: Article

Teska JD. 1993. In vitro growth enhancement of *Renibacterium salmoninarum*: the aetiology of bacterial kidney disease. Biomedical Letters 48-189(27-33).

Call Number: 93-029//FH
Notes: Article

Teska JD. 1994. In vitro growth of the bacterial kidney disease organism *Renibacterium salmoninarum* on a nonserum, noncharcoal-based "homospecies-metabolite" medium. Journal of Wildlife Diseases 30(3):383-8.

Call Number: 94-091//PY95//FH
Notes: Article

Teska JD. 1995. Bacterial kidney disease in cultured and feral salmonids: research, management, and policy. in. Abstracts: 51st Annual Northeast Fish and Wildlife Conference Ocean City, Maryland.

Call Number: 95-020//PY95//FH
Notes: Abstract

Teska JD. 1995. Simple QBASIC program used to compare biological regressions. National Biological Service, NBS Information Bulletin 45:2 pages.

Call Number: 95-105//PY96//FH
Notes: NIB

Teska JD, Cipriano RC. 1991. Reliable isolation of *Cytophaga columnaris* from the mucus of diseased striped bass. In. 16th Annual Eastern Fish Health Workshop Sheraton Foxcroft Inn, Martinsburg, West Virginia.

National Fish Health Research Laboratory, U.S. Fish and Wildlife Service, Kearneysville, West Virginia.
Call Number: 91-066//FH
Notes: Abstract

Teska JD, Cipriano RC. 1993. Nonselective nature of coomassie brilliant blue agar for the presumptive identification of *Aeromonas salmonicida* in clinical specimens. Diseases of Aquatic Organisms 16(3):239-42.

Call Number: 94-002//FH
Notes: Article

Teska JD, Cipriano RC. 1994. Fish antisera does not neutralize bacterial chondroitinase. National Biological Survey, Research Information Bulletin 20:2 pages.

Call Number: 94-049//FH
Notes: RIB

Teska JD, Cipriano RC, Ford LA. 1992. Coomassie brilliant blue agar fails to provide presumptive identification of *Aeromonas salmonicida*. U.S. Fish and Wildlife Service, Research Information Bulletin 51:2 pages.

Call Number: 93-075//FH

Notes: RIB

- Teska JD, Cipriano RC, Schill WB. 1992. Molecular and genetic characterization of cytochrome oxidase negative *Aeromonas salmonicida* isolated from coho salmon (*Oncorhynchus kisutch*). *Journal of Wildlife Diseases* 28(4):515-20.
Call Number: 93-017//FH
Notes: Article
- Teska JD, Dawson A, Starliper CE, Tillinghast D. 1995. A multiple-technique approach to investigating the presumptive low-level detection of *Renibacterium salmoninarum* at a broodstock hatchery in Maine. *Journal of Aquatic Animal Health* 7:251-6.
Call Number: 96-009//PY96//FH
Notes: Article
- Teska JD, Heil NP. 1994. Bacteria give false-positive results using BKD diagnostic tests. *National Biological Survey, Research Information Bulletin* 68:2 pages.
Call Number: 95-006//PY95//FH
Notes: RIB
- Teska JD, Ott T. 1994. Furunculosis diagnosed in Mississippi River fishes. *National Biological Survey, Research Information Bulletin* 17:2 pages.
Call Number: 94-048//FH
Notes: RIB
- Teska JD, Shotts EB. 1994. Non-haemolytic group B streptococci from humans, fish and frogs. *Biomedical Letters* 50:195-201.
Call Number: 95-033//PY95//FH
Notes: Article
- Teska JD, Starliper CE, Cipriano RC. 1995. Seawater may decrease survival of Atlantic salmon infected with *Renibacterium salmoninarum*. *National Biological Service, NBS Information Bulletin* 44:2 pages.
Call Number: 95-104//PY96//FH
Notes: NIB
- Teska JD, Twerdok LE, Beaman J, Curry M, Finch RA. 1997. Isolation of *Mycobacterium abscessus* from Japanese medaka. *Journal of Aquatic Animal Health* 9(3):234-8.
Call Number: 97-003//FH
Notes: Article
- Teska JE, Cipriano RC. 1990. Characterization of a cytochrome oxidase negative *Aeromonas salmonicida*. *U.S. Fish and Wildlife Service, Research Information Bulletin* 106:2 pages.
Call Number: 91-018//FH
Notes: RIB
- Torroba M, Anderson DP, Dixon OW, Casares F, Varas A, Alonso L, Gomez del Moral M, Zapata AG. 1993. In vitro antigen trapping by gill cells of the rainbow trout: an immunohistochemical study. *Histology and Histopathology* 8:363-7.
Call Number: 93-055//FH
Notes: Article
- Tsai PI, Madsen SS, McCormick SD, Bern HA. 1994. Endocrine control of cartilage growth in coho salmon: GH influence *in vivo* on the response to IGF-I *in vitro*. *Zoological Science* 11:299-303.
Call Number: 95-051//PY95//TF
Notes: Article

- Tsukuda SM, Ebeling JM, Watten BJ. 1998. Application of industrial monitoring and control for an experimental carbon dioxide stripper in a recirculating aquaculture system. in: Libey GS, Timmons MB, editors. Proceedings of the Second International Conference on Recirculating Aquaculture Virginia Polytechnic Institute and State University, Roanoke, Virginia. Roanoke, Virginia: Virginia Polytechnic Institute and State University.
Call Number: 98-011//RT
Notes: Conference Paper
- Tsukuda SM, Watten BJ, Timmons MB. 1996. Effect of spray tower geometry on gas transfer. in. Aquaculture America 1996: Book of Abstracts Arlington Convention Center, Arlington, Texas.
Call Number: 96-087//PY96//NF
Notes: Abstract
- Tucker JW Jr, Lellis WA, Vermeer GK, Roberts DE Jr, Woodward PN. 1997. The effects of experimental starter diets with different levels of soybean or menhaden oil on red drum (*Sciaenops ocellatus*). Aquaculture 149:323-39.
Call Number: 97-033//NF
Notes: Article
- Tucker JW Jr, Lellis WA, Vermeer GK, Roberts DE Jr, Woodward PN. 1997. Growth of red drum, *Sciaenops ocellatus*, to maturity on experimental diets. Journal of Applied Aquaculture 7(4):93-108.
Call Number: 98-026//NF
Notes: Article
- van Manen FT, Pelton MR. 1997. A GIS model to predict black bear habitat use. Journal of Forestry 95(8):6-12.
Call Number: 97-093//SAL
Notes: Article
- Villella R, King T, Starliper C. 1997. Translocation programs in freshwater mussels: genetic and disease concerns. In. Program and Abstracts of the 89th Annual Meeting, National Shellfisheries Association Fort Walton Beach, Florida.
Call Number: 97-066//AE//FH
Notes: Abstract
- Villella R, King T, Starliper C. 1997. Translocation programs in freshwater mussels: genetic and disease concerns. Journal of Shellfish Research 16:326-7.
Call Number: 97-089//AE//FH
Notes: Abstract
- Villella RF. 1989. Acid rain publications by the U.S. Fish and Wildlife Service, 1979-1989. U.S. Fish and Wildlife Service, Biological Report 80(40.28):31 pages.
Call Number: 90-014//FC
Notes: Article
- Villella RF. 1999. Guidelines and techniques: basic procedures for freshwater mussels. in. Program Guide & Abstracts The First Symposium of the Freshwater Mollusk Conservation Society. Musseling in on Biodiversity. Clarion Hotel. Chattanooga, TN.
Call Number: 99-073//AE
Notes: Abstract
- Villella RF, King TL, Starliper CL. 1998. Ecological and evolutionary concerns in freshwater bivalve relocation programs. Journal of Shellfish Research 17(5):1407-13.
Call Number: 99-038//AE//FH
Notes: Article

- Villella RF, Leino RL. 1991. Gill damage in largemouth bass exposed to elevated aluminum in acid water at low temperature. U.S. Fish and Wildlife Service, Research Information Bulletin 94:3 pages.
Call Number: 92-028//FC
Notes: RIB
- Villella RF, Smith DR, Lemarie DP, Bartles WJ, Weller DA. 1999. Sample design for monitoring freshwater mussels affected by relocation. Program Guide & Abstracts The First Symposium of the Freshwater Mollusk Conservation Society. Musseling in on Biodiversity. Clarion Hotel. Chattanooga, TN.
Call Number: 99-079/AE
Notes: Abstract
- Vinci BJ, Summerfelt ST, Timmons MB, Watten BJ. 1996. Carbon dioxide control in intensive aquaculture: design tool development. in. Successes and Failures in Commercial Recirculating Aquaculture. Proceedings of the Aquacultural Engineering Society. NRAES (Northeast Regional Agricultural Engineering Service) Roanoke, Virginia.
Call Number: 96-067//PY96//NF
Notes: Conference Paper
- Vinci BJ, Timmons MB, Summerfelt ST, Watten BJ. 1998. Carbon Dioxide Control in Intensive Aquaculture: Version 2.1: User's Guide and Source Code. Arlington, Virginia: Conservation Fund.
Call Number: 98-074//RT
Notes: Book//diskette
- Vinci BJ, Timmons MB, Watten BJ, Summerfelt ST Carbon dioxide control in intensive aquaculture. in. Aquaculture '98 World Aquaculture Society Book of Abstracts Bally's, Las Vegas, Nevada .
Call Number: 98-004//RT
Notes: Abstract
- Vinci BJ, Watten BJ, Timmons MB. 1996. Gas-phase axial dispersion in a spray tower. Aquacultural Engineering 15(1):1-11.
Call Number: 96-046//PY96//NF
Notes: Article
- Vinci BJ, Watten BJ, Timmons MB. 1997. Modeling gas transfer in a spray tower oxygen absorber. Aquacultural Engineering 16:91-105.
Call Number: 97-053//NF
Notes: Article
- Vinci BJ, Watten BJ, Timmons MB, Hankins JA. 1994. Evaluation of spraying towers for gas exchange. in. World Aquaculture '94: Book of Abstracts. World Aquaculture Society. New Orleans, Louisiana.
Call Number: 94-039//NF
Notes: Abstract
- Waldman JR, Richards RA, Schill WB, Wirgin I, Fabrizio MC. 1997. An empirical comparison of stock identification techniques applied to striped bass. Transactions of the American Fisheries Society 126:369-85.
Call Number: 97-055//FH
Notes: Article
- Waldrop T, Blazer V, Smith D, Schill B, Densmore C. 1999. Influence of temperature and substrate on infection rate, triactinomyxon production, and release duration from eastern tubifex worms infected with *Myxobolus cerebralis*. in. 5th Annual Whirling Disease Symposium: Research and Management Perspectives Holiday Inn Parkside, Missoula, Montana. Bozeman, Montana: Whirling Disease Foundation.
Call Number: 99-013//FH//AE
Notes: Conference Paper

- Waldrop TB, Densmore C, Blazer V, Smith D, Schill B. 1999. Preliminary effects of water hardness on triactinomyxon production and development from eastern tubifex worms with *Myxobolus cerebralis*. in. 5th Annual Whirling Disease Symposium: Research and Management Perspectives Holiday Inn Parkside, Missoula, Montana. Bozeman, Montana: Whirling Disease Foundation.
Call Number: 99-012//FH//AE
Notes: Conference Paper
- Waldrop TB, Schill WB, Blazer VS. 1998. Preliminary studies on the effects of temperature and photoperiod in tubifex worm species infected with *Myxobolus cerebralis* spores. in. Third International Symposium on Aquatic Animal Health Renaissance Harborplace Hotel. Baltimore, Maryland.
Call Number: 98-095//FH
Notes: Abstract P-105
- Ward R, King TL, Blandon IR, McEachron LW. 1995. Use of gene marking to assess stocking success of red drum in Texas bays. American Fisheries Society Symposium 15:551.
Call Number: 95-081//PY95//AE
Notes: Abstract
- Warren HJ, Harrell RM, Geiger JG, Rees RA. 1990. Design of rearing facilities for striped bass and hybrid striped bass. [Pages 17-27]. in: Harrell RM, Kerby JH, Minton RV, editors. Culture and Propagation of Striped Bass and Its Hybrids. Bethesda, Maryland: Striped Bass Committee, Southern Division, American Fisheries Society.
Call Number: 91-040//FC
Notes: Chapter
- Watkins G, Honeyfield DC. 1997. Isolation of thiaminase-producing bacteria from alewives. in. New York Academy of Sciences, Science Research Training Program, Journal of Abstracts.
Call Number: 98-086//NF
Notes: Abstract
- Watten B. 1995. Technology advances in intensive aquaculture systems. In: Strauss MS, Heasley C, editors. 1995 AAAS (American Association for the Advancement of Science) Annual Meeting and Science Innovation Exposition: 161st National Meeting. Atlanta, Georgia.
Call Number: 96-022//PY96//NF
Notes: Abstract
- Watten BJ. 1990. Design of packed columns for commercial oxygen addition and dissolved nitrogen removal based on effluent oxygen. Aquacultural Engineering 9(5):305-28.
Call Number: 91-049//NF
Notes: Article
- Watten BJ. 1990. The design of packed columns for commercial oxygen addition and dissolved nitrogen removal based on effluent criteria. in. 120th Annual Meeting of the American Fisheries Society Pittsburgh, Pennsylvania.
Call Number: 90-065//NF
Notes: Abstract
- Watten BJ. 1990. Modelling the effects of sequential rearing on the production potential of intensive fish-culture systems. in. 120th Annual Meeting of the American Fisheries Society Pittsburgh, Pennsylvania.
Call Number: 90-067//NF
Notes: Abstract
- Watten BJ. 1991. Application of pure oxygen in raceway culture systems. in. Engineering Aspects of Intensive Aquaculture. Proceedings from the Aquaculture Symposium, Northeast Regional Agricultural Engineering Service. Ithaca, New York.

Call Number: 91-050//NF
Notes: Conference Paper

Watten BJ. 1991. Continuous dissolved gas monitoring based on head-space partial pressures. in. Abstracts: 121st Annual Meeting of the American Fisheries Society San Antonio, Texas.

Call Number: 91-102//NF
Notes: Abstract

Watten BJ. 1992. Feasibility of monitoring dissolved oxygen based on gas-phase partial pressures. in. Aquaculture '92: Abstracts and Schedule of Events Orlando, Florida. Marriott's Orlando World Center.

Call Number: 92-055//NF
Notes: Abstract

Watten BJ. 1992. Modeling the effects of sequential rearing on the potential production of controlled environment fish-culture systems. *Aquacultural Engineering* 11(1):33-46.

Call Number: 93-022//NF
Notes: Article

Watten BJ. 1994. Aeration and oxygenation [Pages 173-208]. in: Timmons MB, Losordo TM, editors. *Aquaculture Water Reuse Systems: Engineering Design and Management*. Amsterdam: Elsevier. *Developments in Aquaculture and Fisheries Science*; 27).

Call Number: 95-026//PY95//NF
Notes: Chapter

Watten BJ. 1994. Design procedure for hooded surface oxygen absorption systems. in. *Design of High-Density Recirculating Aquaculture Systems: Workshop Proceedings* Baton Rouge, Louisiana.

Call Number: 94-044//NF
Notes: Conference Paper

Watten BJ. 1995. Design procedure for hooded surface oxygen absorption systems. *Journal of the World Aquaculture Society* 26(2):200-11.

Call Number: 96-021//PY96//NF
Notes: Article

Watten BJ. 1999. Apparatus for carbon dioxide pretreatment and accelerated limestone dissolution for treatment of acidified water. United States Patent 5,863,422.

Call Number: 99-033//RT
Notes: Patent

Watten BJ. 1999. Process and apparatus for carbon dioxide pretreatment and accelerated limestone dissolution for treatment of acidified water. United States Patent 5,914,046.

Call Number: 99-088//RT
Notes: Patent

Watten BJ, Boyd CE. 1989. Gas phase axial dispersion in a packed column oxygen absorber. *Aquacultural Engineering* 8:421-34.

Call Number: 90-051//NF
Notes: Article

Watten BJ, Boyd CE. 1990. Gas transfer within a multi-stage packed column oxygen absorber: model development and application. *Aquacultural Engineering* 9(1):33-59.

Call Number: 91-003//NF
Notes: Article

Watten BJ, Colt J, Boyd CE. 1991. Modeling the effect of dissolved nitrogen and carbon dioxide on the performance

- of pure oxygen absorption systems. American Fisheries Society Symposium 10:474-81.
Call Number: 92-015//NF
Notes: Article
- Watten BJ, Honeyfield DC. 1995. Hydraulic characteristics of a rectangular mixed-cell rearing unit. in: Timmons MB, Editor. Aquacultural Engineering and Waste Management: Proceedings from the Aquaculture Expo VIII and Aquaculture in the Mid-Atlantic Conference Washington, D. C. Ithaca, New York: Northeast Regional Agricultural Engineering Service, Cooperative Extension.
Call Number: 95-086//PY96//NF
Notes: Conference Paper
- Watten BJ, Johnson RP. 1990. Comparative hydraulics and rearing trial performance of a production scale cross-flow rearing unit. Aquacultural Engineering 9(4):245-66.
Call Number: 91-048//NF
Notes: Article
- Watten BJ, Meade JW, Boyd CE. 1990. Modeling the effects of serial off-gas reuse on the performance of a hooded surface oxygen absorption system. Aquacultural Engineering 9(2):97-120.
Call Number: 91-028//NF
Notes: Article
- Watten BJ, O'Connor DV. 1994. Comparative performance of a pulsed fluidized bed biological filter. in. American Fisheries Society 124th Annual Meeting Halifax, Nova Scotia.
Call Number: 94-101//PY95//NF
Notes: Abstract
- Watten BJ, Ridge WJ. 1994. Modification of a spray tower for concurrent commercial oxygen addition, nitrogen stripping and carbon dioxide stripping. in. American Fisheries Society 124th Annual Meeting Halifax, Nova Scotia.
Call Number: 94-098//PY95//NF
Notes: Abstract
- Watten BJ, Ridge WJ, Mudrak VA. 1991. Effect of subatmospheric pressure on the performance of a portable packed column oxygen absorption - nitrogen desorption system. in. Abstracts: 121st Annual Meeting of the American Fisheries Society San Antonio, Texas.
Call Number: 91-095//NF
Notes: Abstract
- Watten BJ, Ridge WJ, Mudrak VA. 1994. Effect of subatmospheric pressure on the performance of an automated packed-column nitrogen desorption system. Aquacultural Engineering 13(1):41-58.
Call Number: 94-034//NF
Notes: Article
- Watten BJ, Ridge WJ, Timmons MB. 1993. Evaluation of a multi-stage fluidized bed biological filter for accelerated nitrification and reduced energy demand. in. 123rd Annual Meeting, American Fisheries Society Portland, Oregon.
Call Number: 93-100//NF
Notes: Abstract
- Watten BJ, Ross RM. 1996. New technology to help pine creek. Articles of Interest for the Fly Fisher: Slate Run Tackle Shop Newsletter 1996:21-2.
Call Number: 96-064//PY96//NF
Notes: Article
- Watten BJ, Ross RM, DiLauro MN, Soderberg RW. 1994. Effect of tank design on oxygen consumption and

- ammonia production in lake trout. in. American Fisheries Society 124th Annual MeetingHalifax, Nova Scotia.
Call Number: 94-100//PY95//NF
Notes: Abstract
- Watten BJ, Schwartz MF. 1995. Carbon dioxide pretreatment for enhanced rates of limestone dissolution. in. Abstracts: Mid-Atlantic Highlands Environment -- Now and TomorrowCanaan Valley Resort and Conference Center, Davis, West Virginia.
Call Number: 96-025//PY96//NF
Notes: Abstract
- Watten BJ, Schwartz MF. 1996. Carbon dioxide pretreatment of AMD for limestone diversion wells. in. Proceedings: Seventeenth Annual West Virginia Surface Mine Drainage Task Force SymposiumRamada Inn, Morgantown, West Virginia.
Call Number: 96-035//PY96//NF
Notes: Conference Paper
- Watten BJ, Schwartz MF. 1998. Feasibility of measuring total dissolved gas pressure, dissolved oxygen and carbon dioxide based on head-space partial pressures. in. Proceedings: Appalachian Rivers: A cooperative, industry, government, academia, and watershed organizations conference and workshop.Alan B. Mollohan Innovation Center, Fairmont, West Virginia. Morgantown, West Virginia: TDI Inc.
Call Number: 98-087//RT
Notes: Abstract
- Watten BJ, Smith DR, Ridge WJ. 1997. Continuous monitoring of dissolved oxygen and total dissolved gas pressure based on head-space partial pressures. *Journal of the World Aquaculture Society* 28(4):316-33.
Call Number: 98-003//RT//AE
Notes: Article
- Watten BJ, Timmons MB, Vinci BJ, Summerfelt ST. 1998. Comparative performance of biofilm reactor types: Application of steady-state biofilm kinetics. in: Libey GS, Timmons MB, editors. Proceedings of the Second International Conference on Recirculating AquacultureVirginia Polytechnic Institute and State University, Roanoke, Virginia. Roanoke, Virginia: Virginia Polytechnic Institute and State University.
Call Number: 98-010//RT
Notes: Conference Paper
- Weaver LR, Pardue GB, Neves RJ. 1991. Reproductive biology and fish hosts of the Tennessee clubshell *Pleurobema oviforme* (Mollusca:Unionidae) in Virginia. *American Midland Naturalist* 126:82-9.
Call Number: 91-093//NF
Notes: Article
- Weeks BA, Anderson DP, DuFour AP, Fairbrother A, Goven AJ, Lahvis GP, Peters G. 1992. Immunological biomarkers to assess environmental stress. [Pages 211-234]. in: Huggett RJ, Kimerle RA, Mehrle JrPM, Bergman HL, editors. Biomarkers: Biochemical, Physiological and Histological Markers of Anthropogenic Stress. Boca Raton, Louisiana: Lewis Publishers.
Call Number: 92-081//FH
Notes: Chapter
- Weisberg SB, Burton WH, Herman RL. 1990. Effects of the Presidente Rivera oil spill on young-of-year striped bass. in: Spaulding ML, Reed M. Oil spills: Management and Legislative Implications. Proceedings of the Conference.Newport, Rhode Island.
Call Number: 91-082//FH
Notes: Conference Paper
- Welsh SA, Gray ES, Kellogg KA, Stauffer JR, Perry SA. 1999. Within- and among-drainage comparison of

- microhabitats used by six species of benthic darters. in. 79th Annual Meeting, American Society of Ichthyologists and Herpetologists and 15th Annual Meeting American Elasmobranch Society State College, Pennsylvania.
Call Number: 99-107//NF
Notes: Abstract
- Wickham JD, Jones KB, Riitters KH, Wade TG, O'Neill RV. 1999. Transitions in forest fragmentation: implications for restoration opportunities in regional scales. *Landscape Ecology* 14(2):137-45.
Call Number: 99-046/SAL
Notes: Article
- Wiggins GB, Parker CR. 1997. Caddisflies (*Trichoptera*) of the Yukon, with analysis of the Beringian and Holarctic species of North America. [787-866]. in: Danks HV, Downes JA, editors. *Insects of the Yukon/Biological Survey of Canada Monograph Series No. 2*. Ottawa, Canada: Biological Survey of Canada (Terrestrial Arthropods).
Call Number: 97-092//GSM
Notes: Chapter
- Winfree RA. 1991. Clays can react with Mycotoxins in feed. U.S. Fish and Wildlife Service, Research Information Bulletin 65:2 pages.
Call Number: 92-025//TL
Notes: RIB
- Winfree RA. 1992. Control of aflatoxicosis in rainbow trout and steelhead. in. Abstracts: The 21st Fish Feed and Nutrition Workshop Davis, California.
Call Number: 93-007//TL
Notes: Abstract
- Winfree RA. 1992. Limiting feed intake by fish. *Aquaculture Magazine* 18(2):65-8.
Call Number: 92-032//TL
Notes: Article
- Winfree RA. 1992. A new approach for control of mycotoxin contamination in fish feed. in. Abstracts: The Idaho Aquaculture Association Annual Meeting Twin Falls, Idaho.
Call Number: 92-056//TL
Notes: Abstract
- Winfree RA. 1992. Nutrition and feeding of tropical fish. [Pages 188-206]. in: Gratzek JB, Matthew JR, editors. *Aquariology: the Science of Fish Health Management*. Morris Plains, New Jersey: Tetra Press.
Call Number: 93-090//TL
Notes: Chapter
- Winfree RA, Allred A. 1992. Bentonite reduces measurable aflatoxin B1 in fish feed. *Progressive Fish-Culturist* 54(3):157-62.
Call Number: 93-024//TL
Notes: Article
- Winfree RA, Kindschi GA, Shaw HT. 1991. Rearing density, feeding strategies, and water temperature as factors affecting dorsal fin erosion in juvenile steelhead trout. In. Abstracts: 42nd Northwest Fish Culture Conference Redding, California.
Call Number: 92-031//TL
Notes: Abstract
- Wise DJ, Tomasso JR, Gatlin DMI, Bai SC, Blazer VS. 1993. Effects of dietary selenium and vitamin E on red blood cell peroxidation, glutathione peroxidase activity, and macrophage superoxide anion production in

- channel catfish. *Journal of Aquatic Animal Health* 5(3):177-82.
Call Number: 94-074//PY95//FH
Notes: Article
- Wise DJ, Tomasso JR, Schwedler TE, Blazer VS, Gatlin DMI. 1993. Effect of vitamin E on the immune response of channel catfish to *Edwardsiella ictaluri*. *Journal of Aquatic Animal Health* 5(3):183-8.
Call Number: 94-075//PY95//FH
Notes: Article
- Witherell DB, Kynard B. 1990. Vertical distribution of adult American shad in the Connecticut River. *Transactions of the American Fisheries Society* 119(1):151-5.
Call Number: 90-092//TF
Notes: Article
- Wolgamood M, Marcquenski SV, Brown S, Fitzsimons J, Tillitt DE, Honeyfield DC. 1999. Incidence of early mortality syndrome in Lake Michigan coho and chinook salmon in 1998. in. 1999 ICES Annual Science Conference//87th Statutory Meeting//ICES CM 1999/U:06.Stockholm, Sweden.
Call Number: 99-100//NF
Notes: Abstract
- Wood LG, Haugh CG, Watten BJ. 1992. Modeling gas transfer and biological respiration in a recirculating aquaculture system. in. *Aquaculture '92: Abstracts and Schedule of Events* Orlando, Florida. Marriott's Orlando World Center.
Call Number: 92-054//NF
Notes: Abstract
- Wood LG, Watten BJ, Haugh CG, Libey GS, Dillaha TA. 1996. Modeling gas transfer and biological respiration in a recirculating aquaculture system. *Aquacultural Engineering* 15(5):359-79.
Call Number: 96-101//FY96//NF
Notes: Article
- Wright D, Danks M, Popp W, Eiler P, Schreiber RK. 1991. Biological response of Thrush Lake, Minnesota, to a protective liming treatment. [Pages 111-127]. in: Olem H, Schreiber RK, Brocksen RW, Porcella DB, editors. *International Lake and Watershed Liming Practices*. Washington, D. C.: The Terrene Institute, Inc.
Call Number: 92-022//FC
Notes: Chapter
- Wright PJ, Tillitt DE, Zajicek J, Anderson M, Fitzsimons J, Holey M, Honeyfield DC. 1998. Dioxin toxicity in lake trout embryos with low thiamine levels. in. *The Natural Connection: Environmental Integrity and Human Health: Abstract Book*. 19th Annual Meeting Society of Environmental Toxicology and Chemistry. Charlotte, NC.
Call Number: 99-110//NF
Notes: Abstract
- Yankee DH, Peine JD, Tuberville JD, Gowan DW. 1999. Ecosystem stabilization and restoration: The Clinch-Powell River basin initiative. [Pages 417-430]. in: Peine JD, editor. *Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative*. Boca Raton, Florida: Lewis Publishers.
Call Number: 98-067//SAL
Notes: Chapter
- Yoshikawa JSM, McCormick SD, Young G, Bern HA. 1993. Effects of salinity on chloride cells and Na⁺, K⁺ - ATPase activity in the teleost *Gillichthys mirabilis*. *Comparative Biochemistry and Physiology* 105A(2):311-7.
Call Number: 94-122//TF

Notes: Article

Young G, McCormick SD, Bjornsson BT, Bern HA. 1995. Circulating growth hormone, cortisol and thyroxine levels after 24 h seawater challenge of yearling coho salmon at different development stages. *Aquaculture* 136(3/4):371-84.

Call Number: 96-105//TF

Notes: Article

Zajicek JL, Wright G, Fitzsimon J, Brown S, Honeyfield D, Holey M. 1999. Species, age, location, and temporal trends in thiaminolytic activity measured in forage fish of Great Lakes salmonids. in. 1999 ICES Annual Science Conference//87th Statutory Meeting//ICES CM 1999/U:04.Stockholm, Sweden.

Call Number: 99-101//NF

Notes: Abstract

Zydlewski J, McCormick SD. 1997. Chloride cells and impaired osmoregulation in juvenile American shad. *American Zoologist* 37(5):303.

Call Number: 98-113//TF

Notes: Abstract

Zydlewski J, McCormick SD. 1997. The loss of hyperosmoregulatory ability in migrating juvenile American shad, *Alosa sapidissima*. *Canadian Journal of Fisheries and Aquatic Sciences* 54:2377-87.

Call Number: 98-001//TF

Notes: Article

Zydlewski J, McCormick SD. 1997. The ontogeny of salinity tolerance in the American shad, *Alosa sapidissima*. *Canadian Journal of Fisheries and Aquatic Sciences* 54(1):182-9.

Call Number: 97-044//TF

Notes: Article