

South Dakota State University
**Open PRAIRIE: Open Public Research Access Institutional
Repository and Information Exchange**

Bulletins

South Dakota State University Agricultural
Experiment Station

1-1-2007

An Annotated Bibliography: Published Articles (1861-2004) about the Fish Resources of South Dakota

M. A. Bouchard

K. F. Higgins

D. M. Gardner

C. R. Berry

Follow this and additional works at: http://openprairie.sdstate.edu/agexperimentsta_bulletins

Recommended Citation

Bouchard, M. A.; Higgins, K. F.; Gardner, D. M.; and Berry, C. R., "An Annotated Bibliography: Published Articles (1861-2004) about the Fish Resources of South Dakota" (2007). *Bulletins*. Paper 753.
http://openprairie.sdstate.edu/agexperimentsta_bulletins/753

This Bulletin is brought to you for free and open access by the South Dakota State University Agricultural Experiment Station at Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. It has been accepted for inclusion in Bulletins by an authorized administrator of Open PRAIRIE: Open Public Research Access Institutional Repository and Information Exchange. For more information, please contact michael.biondo@sdstate.edu.

An Annotated Bibliography

Published Articles (1861–2004) About **The Fish Resources** of South Dakota



South Dakota State University
U.S. Geological Survey / Biological Resource Division
South Dakota Cooperative Fish and Wildlife Research Unit
South Dakota Game, Fish and Parks
U.S. Fish and Wildlife Service
Wildlife Management Institute

An Annotated Bibliography:

Published Articles (1861-2004) About **The Fish Resources** of South Dakota

Michelle A. Bouchard
South Dakota State University
Wildlife and Fisheries Sciences
Box 2140B
Brookings, SD 57007

Kenneth F. Higgins
U.S. Geological Survey
South Dakota Cooperative Fish and Wildlife Research Unit
Box 2140B
Brookings, SD 57007

Dawn M. Gardner
South Dakota State University
Wildlife and Fisheries Sciences
Box 2140B
Brookings, SD 57007

Charles R. Berry Jr.
U.S. Geological Survey
South Dakota Cooperative Fish and Wildlife Research Unit
Box 2140B
Brookings, SD 57007

Steven R. Chipps
U.S. Geological Survey
South Dakota Cooperative Fish and Wildlife Research Unit
Box 2140B
Brookings, SD 57007

Contents

Section I, Part I, Primary Publications.....	1
Section I, Part II, South Dakota Fish Reports	78
Section II, Keyword Index	109
South Dakota Fish Species Index	115
South Dakota Fish Location Index	124
South Dakota Fisheries Author Index.....	130

Access at <http://agbiopubs.sdstate.edu/articles/B751.pdf>

South Dakota State University, South Dakota counties, and U.S. Department of Agriculture cooperating. South Dakota State University is an Affirmative Action/Equal Opportunity Employer and offers all benefits, services, education, and employment opportunities without regard for race, color, creed, religion, national origin, ancestry, citizenship, age, gender, sexual orientation, disability, or Vietnam Era veteran status. B751, 300 printed at \$5.77 each by Wildlife and Fisheries Department, SDSU, with funding from South Dakota Agricultural Experiment Station.

An Annotated Bibliography:
Published Articles (1861-2004) About
The Fish Resources of South Dakota

Our goal in compiling this bibliography was to locate every published article with a connection to any South Dakota fish. However, we understood from the start that this goal would be unattainable. Consequently, this collection can provide only a point of origin to readers interested in obtaining published studies (popular and scientific) about the fish resources of South Dakota.

We apologize in advance for any articles that are not present in this bibliography. Those most likely to be under-represented concern fish as prey items, fish as parasitic hosts, and fish in the fossil records of South Dakota.

Regardless of such shortfalls, the 1,426 titles (803 primary articles and 623 state fish reports) presented in this collection will undoubtedly be a valuable reference to anyone with an interest in the fish resources of South Dakota. We strongly request that information on any missing references or references incorrectly cited be brought to the attention of the authors or the head of the Wildlife and Fisheries Sciences Department, South Dakota State University, Box 2140B, Brookings, SD 57007. We recommend that a supplement of this bibliography be compiled periodically, perhaps in 5-year intervals.

This annotated bibliography is composed in two sections. The first contains the literature or fish report citations, their corresponding index reference numbers, and a brief description of each article. The second section contains indices of keywords, species names, study locations, and authors.

Citations 1-803 in Section I, Part I include primary articles in journals, books, theses, proceedings, workshops, and symposia. Citations 806-1426 (Section I, Part II) includes titles of progress reports published by the South Dakota Department of Game, Fish and Parks, many of which are ongoing annual fish reports while others are completion reports. For reports that cannot be found at any of South Dakota's public libraries, we suggest contacting the South Dakota Department of Game, Fish and Parks office at 523 East Capitol, Pierre, SD 57501. Many of these reports are on microfilm only.

Although we present some data and conclusions presented by the authors in the annotations, we discourage the use of the annotation information as quotable or as direct reference material. The original source should always be consulted for accuracy and content. The purpose of our annotations was to provide some additional information about the article that could not be inferred from the title or to facilitate sorting or characterization of the articles by the subject material.

Authorship of this bibliography has been a cooperative effort of many individuals over several years. We express sincere thanks to M.L. Berry who helped us locate and retrieve articles. T. Symens and C. Jacobson helped with typing and correspondence. Drs. Mike Brown and David

Willis provided draft reviews. The collective assistance of all these people and others helped make this project possible.

Funding for this project was provided in part by the South Dakota Extension Service via the Renewable Resources Extension Act (RREA) and the South Dakota Cooperative Fish and Wildlife Research Unit in cooperation with the U.S. Fish and Wildlife Service, South Dakota State University, South Dakota Game, Fish and Parks, the Wildlife Management Institute, and the U.S. Geological Survey.

Section I, Part I Primary Publications

1. Abbott, Jane P. 1989. The paleoecology of the late and post-archaic section of Beaver Creek Shelter (39CU779), Wind Cave National Park, Custer County, South Dakota. M.S. Thesis; South Dakota School of Mines and Technology.

Evidence of fish use by historic peoples.
2. Ackerman, Gary and Marvin F. Boussu. 1968. A floating trap net for use in reservoirs. U.S. Fish and Wildlife Service Commercial Fisheries Review 30(12): 62-64.

Design, construction, and use of a floating trap net for commercial fishing of bigmouth buffalo and evidence for selectivity and effectiveness.
3. Alex, Lynn M. 1973. An analysis of fish utilization at four initial Middle Missouri sites. M.A. Thesis; University of Wisconsin.

Describes various fish species used by historic native Indians based on bone artifacts found at dig sites near Mitchell, South Dakota, and southeast South Dakota.
4. Alex, Lynn M. 1977. Fish and fishing at two initial Middle Missouri sites. South Dakota Archaeology 1: 38-51.

Fish species used by historic native Indians based on bone artifacts uncovered at dig sites near Mitchell, South Dakota, and southeast South Dakota sites.
5. Alex, Robert A. 1980. The fish trap at 39SP11. Newsletter of the South Dakota Archaeological Society 10(4): 2.

Describes historic Indian fish trap in the James River in Spink County, South Dakota.
6. Alex, Robert A. 1981. The village cultures of the Lower James River Valley, South Dakota. Ph.D. Dissertation; University of Wisconsin.
7. Allen, Dale B. 1986. Stocking, density, strain performance, and feeding method evaluation of cage reared rainbow trout (*Salmo gairdneri*) in eastern South Dakota. M.S. Thesis; South Dakota State University.

Evaluation of three strains of rainbow trout for use in cage rearing efforts for possible use in landowner aquaculture programs in South Dakota.
8. Allum, Marvin O. and Ernest J. Huggins. 1959. Epizootics of fish lice, *Argulus biramosus*, in two lakes of eastern South Dakota. Journal of Parasitology 45(4): 33-34.

Large fish die-off in 1956 in Lake County, South Dakota, due to fish lice.
9. Anderson, Marcy R., Shannon J. Fisher, and David W. Willis. 1998. Relationship between larval and juvenile yellow perch abundance in eastern South Dakota glacial lakes. North American Journal of Fisheries Management 18(4): 989-991.

Larval yellow perch abundance useful in determining fingerling stocking strategies.
10. Anon. 1971. Big Sioux River at and in the vicinity of Sioux City, Iowa, and North Sioux City, South Dakota (draft environmental impact statement). Army Engineer District, Omaha, Nebraska.

11. Anon. 1971. Collection of papers on pollution fish kill procedures. Conference Proceedings.
Review of procedures for fish kills, with a call for standardization.
12. Anon. 1982. James River flow recommendations to Bureau of Reclamation.
Discussion of river flow relative to season, fish activity, historic rates; gives recommendations.
13. Anon. 1983. James River flow regimes to maintain fishery habitat, United States.
November through February is a critical time for fish survival and the need for flows.
14. Anon. 1983. Oahe tagged walleyes. *North Dakota Outdoors* 45(10): 8.
Popular article discussing walleye tagging in South Dakota and the possibility of finding tagged fish in North Dakota.
15. Anon. Between 1968-1973. Synopsis of the biology of northern pike in Missouri River reservoirs.
Briefly discusses northern pike reproduction and requirements for reproductive success based on water management practices and the resulting variation in year brood size in three main-stem Missouri reservoirs.
16. Applegate, Richard L. 1971. Eutrophication of the eastern South Dakota lake district. *South Dakota's environment: its pollution and preservation: proceedings of a symposium*. South Dakota State University, Water Resources Institute, Brookings.
Eutrophication processes, human influences, and the effects on fish populations in Lake Poinsett.
17. Applegate, Richard L. 1974. Corixidae (water boatmen) abundance and contribution to littoral zone fish forage in Lake Poinsett, South Dakota. Ph.D. Dissertation; South Dakota State University.
Reports fish composition and food habits of littoral zone fish in Lake Poinsett, concludes corixids are part of their diet.
18. Applegate, Richard L. 1979. Muskies. *South Dakota Farm and Home Research* 30(1): 11-13.
Popular article discussing muskellunge rearing in a power plant cooling reservoir.
19. Applegate, Richard L. 1981. Food selection of muskellunge fry. *The Progressive Fish-Culturist* 43(3): 136-139.
Discusses sewage lagoon invertebrates preferred by muskellunge with respect to developmental stage and time of day.
20. Applegate, Richard L. 1982. Alimentary canal development of muskellunge, *Esox masquinongy*. *Copeia* (3): 717-719.
Documents development of the muskellunge alimentary canal at each developmental phase with comments on fin development in relation to developmental phases.
21. Applegate, Richard L. 1983. *Bidens achenes* causes mortality in young muskellunge and walleyes. *The Progressive Fish-Culturist* 45(2):107.
Concludes *Bidens achenes* surrounding rearing ponds of muskellunge and walleye can cause death in young.

22. Applegate, Richard L. and Wayne L. Kruckenberg. 1978. First-year growth and food of largemouth bass in a South Dakota borrow pit stocked with flathead minnows. *The Progressive Fish-Culturist* 40(1): 7-8.

Stomach content identification of first-year largemouth bass in a borrow pit pond. Forage fish species are not required for growth during the first year. Diet consisted primarily of invertebrates.
23. Arterburn, John E. 2001. Population characteristics and sampling methods of catfish for the James and Big Sioux rivers. M.S. Thesis; South Dakota State University.

Effectiveness of sampling methods and assessment of flathead and channel catfish populations in the James and Big Sioux rivers, with respect to trophy fisheries.
24. Arterburn, John E. and Charles R. Berry Jr. 2002. Effect of hook style, bait type, and river location on trotline catches of flathead and channel catfish. *North American Journal of Fisheries Management* 22(2): 573-578.

Effectiveness of trotlines for sampling channel and flathead catfish in the James and Big Sioux rivers.
25. Arterburn, John E., Daniel J. Kirby, and Charles R. Berry Jr. 2002. A survey of angler attitudes and biologists' opinions regarding trophy catfish and their management. *Fisheries* 27(5): 10-21.

Responses of anglers and biologists about a trophy catfish survey in the Mississippi River drainage.
26. Asafo, Charles K. 1970. Food, age, and growth of the yellow perch, *Perca flavescens* (Mitchill), in Oahe reservoir, South Dakota. M.S. Thesis; Iowa State University.

Four-year study of sex ratios, age and growth, and food habits of young-of-year and large yellow perch in Oahe reservoir.
27. Ashton, Diane E. and Eileen M. Dowd. 1991. Fragile legacy: endangered, threatened, and rare animals of South Dakota. Report No. 91-04. South Dakota Department of Game, Fish and Parks, Wildlife Division, Pierre.

Descriptions, habits and habitat, distribution, and conservation methods given for 12 fish species.
28. Bach, Herbert C. 1947. A pathological investigation of the Lake Poinsett fish disaster. M.S. Thesis; South Dakota State University.
29. Bach, Roy N. and Russell W. Stuart. 1946. Missouri River Basin Studies, Oahe and Garrison reservoirs. North Dakota Game and Fish Department, Bismarck.
30. Backlund, Doug. 1996. The lake chub. *South Dakota Conservation Digest* 63(3): 18-19.

The lake chub, a rare native fish to the Black Hills, has not shown up in fish surveys for many years. This may be due to water pollution and a decrease in vegetation that reduced stream flow and increased water temperature.
31. Bailey, Reeve M. 1954. Distribution of the American cyprinid fish, *Hybognathus hankinsoni*, with comments on its original description. *Copeia* 4: 289-291.

Distribution records of the brassy minnow.

32. Bailey, Reeve M. 1959. Parasitic lampreys (*Ichthyomyzon*) from the Missouri River, Missouri and South Dakota. *Copeia* 2: 162-163.

Historic records of lamprey in South Dakota.
33. Bailey, Reeve M. and Marvin O. Allum. 1962. Fishes of South Dakota. Pages 131 in Publication 119. Museum of Zoology, University of Michigan.
34. Bailey, Reeve M. and Frank B. Cross. 1954. River sturgeons of the American genus *Scaphirhynchus*: characters, distribution, and synonymy. *Papers of the Michigan Academy of Science, Arts and Letters* 39: 169-208.

Taxonomy and distributions.
35. Banek, Timothy J. 1983. Feeding habits of rainbow smelt (*Osmerus mordax*) from Lake Oahe, South Dakota. M.A. Thesis; University of South Dakota.

Describes stomach contents of Lake Oahe smelt, concludes that smelt are opportunistic selective feeders that utilize the most available food items.
36. Banek, Timothy J. and James C. Schmulbach. 1984. Feeding habits of rainbow smelt (*Osmerus mordax*) in Lake Oahe, South Dakota. *Proceedings South Dakota Academy of Science* 63: 120.

Main forage for smelt: microcrustaceans.
37. Bardack, David. 1965. Anatomy and evolution of chirocentrid fishes. *University of Kansas Paleontological Contributions Article* 10:1-88.

Evidence of ancient fishes in South Dakota.
38. Barkoh, Aaron and Timothy C. Modde. 1987. Feeding behavior of intensively cultured bluegill fry. *The Progressive Fish-Culturist* 49:204-207.

Food selection related to fry length.
39. Barkoh, Aaron. 1984. Food selectivity of bluegill and green sunfish fry. M.S. Thesis; South Dakota State University.

Prey selection related to fry length.
40. Barnes, Michael E. and Rick J. Cordes. 1992. Effect of two fertilization enhancement solutions on the success of inland Chinook salmon spawning. *The Progressive Fish-Culturist* 54(3): 206-207.

Egg survival at different treatments.
41. Barnes, Michael E., Rick J. Cordes, William A. Sayler, and Robert P. Hanten. 2003. Soft-egg disease in landlocked fall Chinook salmon eggs: possible causes and therapeutic treatments. *North American Journal of Aquaculture* 65: 126-133.
42. Barnes, Michael E. and Dan J. Durben. 2003. Effects of partial tank covers on the growth of juvenile feral rainbow trout during hatchery rearing. *North American Journal of Aquaculture* 65: 344-348.

Fish raised in partially covered tanks significantly larger.

43. Barnes, Michael E. and Dan J. Durben. 2004. Lack of correlation between Chinook salmon spawn survival and the number of overripe eggs as determined by digital imagery. *North American Journal of Aquaculture* 66: 165-167.
44. Barnes, Michael E., Audrey C. Gabel, and Rick J. Cordes. 2000. Bacterial populations during rainbow trout egg culture in vertical-flow tray incubators. *North American Journal of Aquaculture* 62: 48-53.
45. Barnes, Michael E., Robert P. Hanten, Rick J. Cordes, William A. Sayler, and John Carreiro. 2000. Reproductive performance of inland fall Chinook salmon. *North American Journal of Aquaculture* 62(3): 203-211.
Relative fecundity, egg size, and egg survival evaluated for Lake Oahe Chinook salmon.
46. Barnes, Michael E., Robert P. Hanten, John P. Lott, and Mark Gabel. 2001. Environmental influences of landlocked fall Chinook salmon reproductive characteristics. *North American Journal of Aquaculture* 63(1): 58-65.
Salmon fecundity related to years when rainbow smelt were abundant. Egg survival was related to water inflows during May.
47. Barnes, Michael E., Robert P. Hanten, William A. Sayler, and Rick J. Cordes. 2000. Viability of inland fall Chinook salmon spawn containing overripe eggs and the reliability of egg viability estimates. *North American Journal of Aquaculture* 62: 237-239.
Egg viability higher in females with no overripe eggs in their spawn.
48. Barnes, Michael E., William A. Sayler, and Rick J. Cordes. 1999. Transportation influences on inland fall Chinook salmon egg survival. *North American Journal of Aquaculture* 61(1): 27-33.
Highest survival rates when eggs were transported in bags with water volume equal to egg volume.
49. Barnes, Michael E., William A. Sayler, and Rick J. Cordes. 2001. Use of formalin treatments during incubation of eyed eggs of brown trout. *North American Journal of Aquaculture* 63: 333-337.
Survival rates high in both formalin treated and untreated (hand-picked) eggs.
50. Barnes, Michael E., William A. Sayler, and Rick J. Cordes. 2003. Survival of rainbow trout sac fry subjected to various formalin and hand-picking regimes during rearing in vertical-flow tray incubators. *North American Journal of Aquaculture* 64:129-135.
51. Barnes, Michael E., William A. Sayler, Rick J. Cordes, and Robert P. Hanten. 2003. Potential indicators of egg viability in landlocked fall Chinook salmon spawn with or without the presence of overripe eggs. *North American Journal of Aquaculture* 65: 49-55.
52. Barnes, Michael E., Hans Stephenson, and Mark P. Gaikowski. 2004. Use of hydrogen peroxide and formalin treatments during incubation of landlocked fall Chinook salmon eyed eggs. *North American Journal of Aquaculture* 66: 29-34.
Minor fungal infestations occurred in incubation trays treated with hydrogen peroxide.
53. Barnes, Michael E., Michael H. Zehfus, Jonathan A. Schumacher, Kelly S. Stock, Faraz Farrokhi, and Rebecca L. Nutter. 2001. Initial observations on thiamine hydrochloride treatment of eggs of landlocked fall Chinook salmon. *North American Journal of Aquaculture* 63(4): 338-342.
Evaluated egg survival during transport with different levels of thiamine hydrochloride treatment.

54. Barnes, Michael E., Michael H. Zehfus, Jonathon A Schumacher, Kelly S. Stock, Faraz Farrokhi, Rebecca L. Nutter, and Robert P. Hanten. 2003. Maternal liver and egg thiamine concentrations in Chinook salmon from Lake Oahe, South Dakota. *The Prairie Naturalist* 35(2): 113-117.
55. Barton, Bruce A., Herbert Boolig, Breana L. Hauskins, and Chris R. Jansen. 2000. Juvenile pallid (*Scaphirhynchus albus*) and hybrid pallid x shovelnose (*S. albus x platyrhynchus*) sturgeons exhibit low physiological responses to acute handling and severe confinement. *Comparative Biochemistry and Physiology* 126A: 125-134.
- Plasma cortisol level comparisons in transported and net handled fish.
56. Barton, Bruce A., Alf H. Haukenes, Bradford G. Parsons, and Jeffery R. Reed. 2003. Plasma cortisol and chloride stress responses in juvenile walleyes during capture, transport, and stocking procedures. *North American Journal of Aquaculture* 65: 210-219.
57. Bauer, Daryl L. 1988. The effect of grass carp introduction on aquatic vegetation and existing fish populations in two small prairie lakes. M.S. Thesis; South Dakota State University.
- Effects of grass carp introduction into small lakes relative to aquatic vegetation and other fish abundance.
58. Bauer, Daryl L. and David W. Willis. 1990. Effects of triploid grass carp on aquatic vegetation in two South Dakota lakes. *Lake and Reservoir Management* 6(2): 175-180.
- Grass carp effects on aquatic vegetation and other fish in two small lakes.
59. Beal, Charles D. 1967. Life history information on the blue sucker, *Cycoreptus elongatus* (LeSueur), in the Missouri River. M.A. Thesis; University of South Dakota.
- Life history and biology characteristics and morphometric measures of blue suckers, relative to sex of fish and fish size.
60. Beck, H. Denise. 1998. Assessment of white bass populations in Missouri River impoundments located in South Dakota. M.S. Thesis; South Dakota State University.
- Age-0 and adult white bass populations in reservoirs functioned independently of each other.
61. Beck, H. Denise, Andrew B. Starostka, and David W. Willis. 1998. Diet overlap of age-0 walleye and white bass in Lake Poinsett, South Dakota. *Journal of Freshwater Ecology* 13(4): 425-431.
- Difference in diet overlaps for July and September samples between walleye and white bass.
62. Beck, H. Denise and David W. Willis. 2000. Biotelemetry of white bass in a South Dakota glacial lake. *Journal of Freshwater Ecology* 15(2): 229-236.
- Tracking of white bass movements during fall and winter: Some movements were affected by environmental variables and distance to shore.
63. Beck, H. Denise, Dave W. Willis, and Jay M. Francis. 1997. A proposed standard intercept for the white bass body length-scale radius relationship. *North American Journal of Fisheries Management* 17(2): 488-492.
- Compilation of Y-intercept values for body length-scale radius from 16 states to determine the best fit for white bass using the Fraser-Lee method.

64. Beck, H. Denise, Dave W. Willis, Dennis G. Unkenholz, and Clifton C. Stone. 1997. Relations between environmental variables and age-0 white bass abundance in four Missouri River reservoirs. *Journal of Freshwater Ecology* 12(4): 567-575.
- Age-0 white bass relationships to reservoir environmental conditions.
65. Beck, Dean R. 1986. Growth, survival, and reproductive success of largemouth bass stocked with selected forage fishes in South Dakota ponds. M.S. Thesis; South Dakota State University.
- Faster growth and better condition of largemouth bass when stocked with forage fishes, with the exception of black bullheads.
66. Becker, Dale C. and Joseph P. McCraren. 1980. U.S. Fish and Wildlife Service Fish Cultural Development Center Program. *Fisheries* 5(6): 9-18.
- Describes development of training centers for fish culture projects.
67. Beckham, Eugene C. III. 1983. Systematics, redescription, and geographic variation of the blackside darter, *Percina maculata* (Pisces; Percidae). Ph.D. Dissertation; Louisiana State University.
- Distribution, habitat, taxonomic history, and procedures for redescription, using over 1500 specimens.
68. Beckman, Lance G. 1987. Relative abundance and distribution of young-of-the-year fishes in Lake Sharpe, South Dakota, 1967-1975. Pages 30-45 in *Limnological and fishery studies on Lake Sharpe, a main-stem Missouri River reservoir, 1964-1975* (F. C. June, L. G. Beckman, J. H. Elrod, G. K. O'Bryan, and D. A. Vogel, eds). Technical Report No. 8. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.
- Forty-one species of minnows and young-of-the-year fishes were captured during a 9-year study of their abundance and distribution in Lake Sharpe reservoir.
69. Beckman, Lance G. and Joseph H. Elrod. 1971. Apparent abundance and distribution of young-of-the-year fishes in Lake Oahe, 1965-1969. Pages 333-347 in *Reservoir fisheries and limnology* (G. E. Hall, ed). American Fisheries Society Special Publication No. 8, Washington, D.C.
- Seining was more effective in capturing young-of-the-year fishes than trawling. More species and higher abundance of fish were sampled from tributary streams to Lake Oahe based on 32 species captured.
70. Beckman, William C. and Joseph H. Kutkuhn. 1953. A partial bibliography on reservoirs. *The Progressive Fish-Culturist* 15(3): 135-144.
- Literature references to South Dakota reservoir fisheries.
71. Beebe, J. and C. O'Neil. 1970. A survey of helminth burdens from four species of fish from South Dakota. *Proceedings of the South Dakota Academy of Science* 49: 175.
72. Beem, Marley D. 1987. Building cages for fish farming. Cooperative Extension Service, South Dakota State University, Brookings.
- Describes construction for fish rearing cages.
73. Beem, Marley D. 1987. Fish farming. Cooperative Extension Service, South Dakota State University, Brookings.
- Necessary elements to be successful in fish farming.

74. Benda, Robert S., Robert J. Krska, and James R. Wahl. 1981. Growth rates of seven species of fish in the upper James River, South Dakota. *Proceedings of the South Dakota Academy of Science* 60: 83-91.
- Growth rate of seven species of fish compared to other populations in the state.
75. Benn, David W. 1987. Big Sioux River Archaeological and Historical Resources Survey, Lyon County, Iowa. Springfield Missouri: Southwestern Missouri State University, Center for Archaeological Research 1: 282.
76. Benson, Norman G. 1968. Review of fishery studies on Missouri River mainstem reservoirs. Research Report 71. U.S. Department of the Interior, Bureau of Sport Fisheries and Wildlife, Washington, D.C.
- Data for six Missouri reservoirs including morphometry, water chemistries, zooplankton, fish population, and management.
77. Benson, Norman G. 1973. Evaluating the effects of discharge rates, water levels, and peaking on fish populations in Missouri River mainstem impoundments. *Man made lakes: their problems and environmental effects*. Pages 683-689 in *Geophysical Monograph 17* (W. C. Ackerman, G. F. White, and E. B. Worthington, eds). American Geophysical Union, Washington, D.C.
- Effects of water management on fish food and fish populations in Missouri River reservoirs.
78. Benson, Norman G. 1976. Water management and fish production in Missouri River mainstem reservoirs. Instream flow needs. Pages 141-147 in *Instream Flow Needs* (J. F. Orsborn and C. H. Allman, eds). American Fisheries Society, Washington, D.C.
- Spawning habitats for 16 most common species in Missouri River reservoirs. Suggests different types of water management for each reservoir to benefit fisheries.
79. Benson, Norman G. 1980. Effects of post-impoundment shore modifications on fish populations in Missouri River reservoirs. Research Report No. 80. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.
- Describes shoreline modifications in Missouri River impoundments and their effects on fish populations. Fish that spawn in tributaries were generally not affected and only one species, the walleye, benefited from the modifications.
80. Benson, Norman G. 1982. Some observations on the ecology and fish management of reservoirs in the United States. *Canadian Water Resources Journal* 7(1): 2-25.
- Compares reservoirs in the United States, noting similarities and differences. Includes notes on Missouri River reservoirs.
81. Berg, Louis N. 1989. Evaluation of a power plant reservoir as a fingerling walleye rearing facility. M.S. Thesis; South Dakota State University.
- The evaporation reservoir had poor walleye growth due to a decline in zooplankton abundance, a reduction in forage fish, and cannibalism.
82. Berry, Charles R. Jr. 1987. Aquaculture at a steam electric generating plant: a summary of ten years of study. Pages 161-178 in *Proceedings of the waste management for the energy industries*. North Dakota Mining and Mineral Resources Institute and Energy Research Center, University of North Dakota.
- Review of aquaculture studies in cooling ponds in South Dakota suggests that ponds might be better suited for raising forage fish for walleye.

83. Berry, Charles R. Jr. 1988. Rare fish in the upper Missouri River basin. *Proceedings of the North Dakota Academy of Science* 42: 3.
- General description of four rare fish and possible explanations for their declining numbers.
84. Berry, Charles R. Jr. 1988. Rare fishes and wildlife in the Missouri River main system. Pages 53-55 in *A review of the Missouri River main stem system operation*. Missouri Basin States Association, Council Bluffs, Iowa.
85. Berry, Charles R. Jr. 1992. The Oakwood lakes fishery and the rural clean water program. Cooperative Fish and Wildlife Research Unit, Brookings, South Dakota.
- In all, 13 species of fish occurred in the lakes; winterkill affected the main game species; rural clean water projects may not help water quality in the lakes.
86. Berry, Charles R. Jr. 1996. Diet of shovelnose sturgeon downstream from Gavins Point dam: Final Report. U.S. Army Corps of Engineers, Brookings, South Dakota.
- Diet did not vary among years or river flows, but natural discharge into natural habitats were best related to sturgeon diets.
87. Berry, Charles R. Jr. 1999. Wildlife and fishery resources of the Missouri River in South Dakota. Video.
88. Berry, Charles R. Jr. and Louis N. Berg. 1990. Evaluation of an evaporation pond for rearing fingerling walleyes (*Stizostedion vitreum vitreum*). *Proceedings of the South Dakota Academy of Science* 69: 109-119.
- Power plant evaporation pond less suitable for rearing fingerling walleyes than natural prairie lakes.
89. Berry, Charles R. Jr., Walter G. Duffy, Richard Walsh, Steve Kubeny, David Schumacher, and Gene Van Eeckhout. 1993. The James River of the Dakotas. Pages 70-86 in *Proceedings of the symposium on restoration planning for the rivers of the Mississippi River ecosystem* (L. W. Hesse, C. B. Stalnaker, N. G. Benson, and J. R. Zuboy, eds). U.S. Department of the Interior, National Biological Survey, Washington, D.C.
- Physical, chemical, hydrological, and fisheries biota (57 species), including their abundance and location within the James River.
90. Berry, Charles R. Jr. and Jonathan Erickson. 1995. Research for rare species protection: the Missouri River case. *Proceedings of the South Dakota Academy of Science* 74: 43-53.
- Documents effects of Missouri River regulation on species and how research is key in recovering populations such as the pallid sturgeon.
91. Berry, Charles R. Jr. and David L. Galat. 1993. Restoration planning for the rivers of the Mississippi River ecosystem: summary. *Proceedings of the symposium on restoration planning for the rivers of the Mississippi River ecosystem* (L. W. Hesse, et al., eds). Biological Report 19. U.S. Department of the Interior, National Biological Survey, Washington, D.C.
- Historical trends review of habitat and fisheries of the Mississippi River ecosystem that includes the James, Vermillion, and Missouri rivers.

92. Berry, Charles R. Jr., Kenneth F. Higgins, Daniel E. Hubbard, and David E. Nomsen. 1987. Inventory, valuation, and restoration of prairie wetlands: ten years of research at South Dakota State University. Pages 427-434 *in* Proceedings: Symposium '87 Wetlands/Peatlands (C. D. Rubec and R. P. Overend, compilers).
- Little is known about fish in wetlands; inventories are needed for better stocking protocols and fish control measures.
93. Berry, Charles R. Jr., Kenneth F. Higgins, and Gary Krull. 1992. Valuation of hay and bait fish harvested from privately owned South Dakota wetlands. Proceedings of the South Dakota Academy of Science 71: 37-44.
- Evaluated supplemental income for farmers from harvest and sale of baitfish from natural wetlands.
94. Berry, Charles R. Jr. and Todd D. Kolander. 1994. Cold stress and first-year survival of largemouth bass. Proceedings of the South Dakota Academy of Science 73: 31-42.
- Size at stocking and strain did not affect survival or body conditions of largemouth bass.
95. Berry, Charles R. Jr., Chantel Waltner, and James D. Wolters. 1989. Studying glacial lake walleyes. South Dakota Conservation Digest 56(2): 17-19.
96. Berry, Charles R. Jr. and Bradley A. Young. 1995. Habitat use and population dynamics of benthic fishes along the Missouri River, South Dakota. Annual Report to the U.S. Army Corps of Engineers, Omaha, Nebraska.
97. Berry, Charles R. Jr. and Bradley A. Young. 2004. Fishes of the Missouri National Recreational River, South Dakota and Nebraska. Great Plains Research 14: 89-114.
- Lists 72 native and 20 non-native species. Also provides water quality and habitat data.
98. Bettross, Edward A. 1988. An indexed bibliography of largemouth bass literature. South Dakota Department of Game, Fish and Parks. Fisheries Progress Report 88-2.
99. Bettross, Edward A. 1989. Evaluation of the Big Stone Power Plant cooling reservoir as a source of largemouth bass and bluegill broodstock. M.S. Thesis; South Dakota State University.
- Largemouth bass growth greater in the cooling-reservoir compared to other impoundments; bluegill growth similar to other impoundments.
100. Bettross, Edward A. and David W. Willis. 1988. Seasonal patterns in sampling data for largemouth bass and bluegills in a northern Great Plains impoundment. The Prairie Naturalist 20(4): 193-202.
- Water temperature and spawning behavior affected seasonal CPUE (catch-per-unit effort) and PSD (proportional stock density) for the two species.
101. Bich, Joel P. and Charles G. Scalet. 1977. Fishes of the Little Missouri River, South Dakota. Proceedings of the South Dakota Academy of Science 56: 163-177.
- Describes 25 collection sites and relative abundance of 22 fish species in the Little Missouri River.
102. Billington, Neil, Daniel A. Isermann, Rachael N. Koigi, and David W. Willis. 2003. How long can *Stizostedion* specimens remain in gillnets in summer before significant breakdown of diagnostic isozyme markers occurs? Gene Families and Isozymes Bulletin 36: 20.
- Although smaller fish degraded faster, most fish could be sampled up to 12-14 hours.

103. Billington, Neil, Rachael N. Koigi, Brian D. S. Graeb, and David W. Willis. 2004. Hybridization between sauger and walleye in Lewis and Clark Lake, South Dakota, determined by protein electrophoresis. Pages 115-116 in *Proceedings of Percis III: the third international percid fish symposium* (T. P. Barry and J. A. Malison, eds). University of Wisconsin Sea Grant Institute, Madison.
104. Bister, Timothy J. 2000. Evaluation of a 23-cm (9-in) minimum length limit for black and white crappies in Lake Alvin, South Dakota. M.S. Thesis; South Dakota State University.
- No influence on fish abundance in Lake Alvin after implementation of length harvest.
105. Bister, Timothy J., Bradley M. Baker, and David W. Willis. 2000. Angler opinions regarding fishing success and crappie regulations in a small South Dakota impoundment. *Proceedings of the South Dakota Academy of Science* 79: 11-19.
- Neither catch nor harvest affected angler opinion during open-water season.
106. Bister, Timothy J., David W. Willis, Michael L. Brown, Stephen M. Jordan, Robert M. Neumann, Michael C. Quist, and Christopher S. Guy. 1999. Development of standard weight (W_s) equations and standard length categories for 18 warmwater game and nongame fishes. Technical Bulletin No. 12. South Dakota Cooperative Fish and Wildlife Research Unit, South Dakota State University, Brookings.
- Standard weight equations for 18 fish species in North America including South Dakota.
107. Bister, Timothy J., David W. Willis, Michael L. Brown, Stephen M. Jordan, Robert M. Neumann, Michael C. Quist, and Christopher S. Guy. 2000. Proposed standard weight (W_s) equations and standard length categories for 18 warmwater nongame and riverine fish species. *North American Journal of Fisheries Management* 20(2): 570-574.
- Standard weight equations for 18 fish species in North America including South Dakota.
108. Bister, Timothy J., David W. Willis, Allen D. Knapp, and Todd R. St. Sauver. 2002. Evaluation of a 23-cm minimum length limit for black and white crappies in a small South Dakota impoundment. *North American Journal of Fisheries Management* 22(4): 1364-1368.
- No improvement in relative stock density of 23-cm crappies after implementation of a length limit.
109. Blackwell, Brian G. 2001. A comparison of adult and sub-adult walleye movements and distribution in lakes having simple and complex morphometry. Ph.D. Dissertation; South Dakota State University.
- Distribution of walleye and other fish by time of day and distance to shore, and food habits.
110. Blackwell, Brian G. and Michael L. Brown. 2000. A comparison of fish distributions in simple and complex lake basins. *Journal of Freshwater Ecology* 15(3).
- Gill nets were used to determine spatial and seasonal distributions of fish in lakes of different morphometry.
111. Blackwell, Brian G. and Michael L. Brown. 2001. Monthly open-water bottom trawling at two South Dakota lakes. *The Prairie Naturalist* 33(1): 21-29.
- Use of nighttime trawl samples to evaluate fish abundance in two lakes of different morphology.

112. Blackwell, Brian G., Michael L. Brown, and David W. Willis. 2000. Relative weight (W_r) status and current use in fisheries assessment and management. *Reviews in Fisheries Science* 8(1): 1-44.
- Discusses condition measures, states use of W_r , W_s equations for 55 fish species, and the use of W_r in management.
113. Blackwell, Brian G., Matthew J. Hubers, and Robert G. Losco. 2003. Post harvest length changes of angler-caught walleyes. *North American Journal of Fisheries Management* 23: 770-778.
- Different storage temperatures affected the length of harvested walleyes.
114. Blackwell, Brian G., Craig A. Soupir, and Michael L. Brown. 1999. Seasonal diets of walleye and diet overlap with other top-level predators in two South Dakota lakes. South Dakota Department of Game, Fish and Parks. Fisheries Special Report No. 99-23.
115. Blausey, Carmen M. 2001. The status and distribution of the Topeka shiner (*Notropis topeka*) in eastern South Dakota. M.S. Thesis; South Dakota State University.
- Distribution, habitat, and water quality conditions for the Topeka shiner in three eastern South Dakota river basins.
116. Blouin, Edmour F., Allen D. Johnson, Donald G. Dunlap, and Douglas K. Spiegel. 1984. Prevalence of black spot (*Neascus pyriformis*: Trematoda: Diplostomatidae) of fishes in Brule Creek, South Dakota. *Proceedings of the Helminthological Society of Washington* 51(2): 357-359.
- The prevalence and intensity of black spot in ten fish species of Brule Creek.
117. Boehmer, Randy J. 1973. Ages, lengths, and weights of paddlefish caught in Gavins Point dam tailwaters, Nebraska. *Proceedings of the South Dakota Academy of Science* 52: 140-146.
- Compares Big Bend and Gavins Point dam paddlefish populations. Length, weight, and bone density increase with age.
118. Bonneau, Donald L. and Jerry M. Conley. 1974. A summary of largemouth bass management in the Midwest. Pages 6-9 in *Symposium on overharvest and management of largemouth bass management in small impoundments*. American Fisheries Society, North Central Division. Bethesda, MD.
- Summary of Midwest policies and regulations for largemouth bass stocking and harvesting.
119. Bourgeois, Mark. 1979. Fishes of the Sioux Falls River Park area. *Proceedings of the North Dakota Academy of Science* 33: 83.
- Abstract, 25 fish species from the Sioux Falls River Park area.
120. Braaten, Patrick J. 1993. The influence of habitat structure and environmental variability on habitat use by fish in the Vermillion River, South Dakota. M.S. Thesis; South Dakota State University.
- Changes in use of different meso and microhabitats due to environmental variables by the fish community.
121. Braaten, Patrick J. and Charles R. Berry Jr. 1997. Fish associations with four habitat types in a South Dakota prairie stream. *Journal of Freshwater Ecology* 12(3): 477-489.
- Both large and small fish used all habitats until late summer low flows when they were associated with certain habitats.

122. Braaten, Patrick J., Matthew R. Doeringsfeld, and Christopher S. Guy. 1999. Comparison of age and growth estimates for river carpsuckers using scales and dorsal fin ray sections. *North American Journal of Fisheries Management* 19: 786-792.
123. Brandt, Ronald L. 1978. Fungal control methods, diets, and water temperatures used to culture paddlefish, *Polyodon spathula*. M.S. Thesis; South Dakota State University.
- Early hatchery work on how to keep young paddlefish alive, most of these methods now are routine or are no longer used.
124. Brinkman, Mark A. 1994. Observations of the plains topminnow in South Dakota. *The Prairie Naturalist* 26(4): 307-308.
- New range for this rare fish.
125. Brown, Danny J. and Thomas G. Coon. 1994. Abundance and assemblage structure of fish larvae in the lower Missouri River and its tributaries. *Transactions of the American Fisheries Society* 123(5): 718-723.
- Not about South Dakota but data is important to James, Vermillion and Big Sioux ecology.
126. Brown, Michael L., Francisco Jaramillo Jr., Delbert M. Gatlin III, and Brian R. Murphy. 1995. A revised standard weight (W_s) equation for channel catfish. *Journal of Freshwater Ecology* 10(3): 295-302.
- Works well for channel catfish greater than 70 mm, a breakthrough for smaller fish.
127. Brown, Michael L. and Brian R. Murphy. 1993. Management evaluation of body condition and population size structure for paddlefish: a unique case. *The Prairie Naturalist* 25(2): 93-108.
- Unique because W_r is sex specific. A 22-state summary including South Dakota.
128. Brown, Michael L. and Brian R. Murphy. 1996. Selection of minimum sample size for application of the regression-line-percentile technique. *North American Journal of Fisheries Management* 16(2): 427-432.
- Need 100 sets of length-weight data to make a standard weight equation, but 50 are adequate for small species.
129. Brown, Michael L., Jennifer L. Powell, and David O. Lucchesi. 2002. In-transit oxytetracycline marking, nonlethal mark deletion, and tissue residue depletion in yellow perch. *North American Journal of Fisheries Management* 22(1): 236-242.
- Oxytetracycline cleared out of the fish muscle in 2 hours but remained in the otolith.
130. Brown, Michael L. and Kevin A. Smith. 2004. Temperature-dependent growth models for South Dakota yellow perch, *Perca flavescens*, fingerling production. *Journal of Applied Aquaculture* 16: 105-112.
- Growth rates greatest at 25°C.
131. Brown, Michael L. and Todd St. Sauver. 2002. An assessment of yellow perch, *Perca flavescens*, stocking contributions in eastern South Dakota lakes. *Fisheries Management and Ecology* 9: 225-234.
- Stocking contribution of yellow perch was determined by marking fish with oxytetracycline hydrochloride.

132. Brown, Michael L., David W. Willis, and Brian G. Blackwell. 1999. Physicochemical and biological influences on black bullhead populations in eastern South Dakota glacial lakes. *Journal of Freshwater Ecology* 14(1): 47-60.
- Physical and chemical associations related to black bullhead population density in 23 lakes. Black bullheads were more abundant in small lakes with high nutrients and low transparency; higher abundance of other fish caused lower abundance of black bullheads; but size structures of populations were not related.
133. Brown, Wilhelmina. 1930. The food of the suckers of South Dakota. M.A. Thesis; University of South Dakota.
- List of items found in the stomach of 111 fish. Stomach samples were mainly composed of invertebrates and sand.
134. Bryan, Scott D. 1995. Bioenergetics of walleye in Lake Oahe, South Dakota. M.S. Thesis; South Dakota State University.
- Calculates calories of walleye prey at different ages. Caloric intake of walleye changes with age and season.
135. Bryan, Scott D., Tracy D. Hill, Sean T. Lynott, and Walter G. Duffy. 1995. The influence of changing water levels and temperatures on the food habits of walleye in Lake Oahe, South Dakota. *Journal of Freshwater Ecology* 10(1): 1-10.
- How environmental conditions affect prey species distribution and influence walleye diets in Lake Oahe.
136. Bryan, Scott D., Craig A. Soupir, Walter G. Duffy, and Chris E. Freiburger. 1996. Caloric densities of three predatory fishes and their prey in Lake Oahe, South Dakota. *Journal of Freshwater Ecology* 11(2): 153-161.
- Energy content of walleye, Chinook salmon, rainbow trout, and their prey from May through September in Lake Oahe.
137. Burczynski, Janusz J., Paul H. Michaletz, and Gary M. Marrone. 1987. Hydroacoustic assessment of the abundance and distribution of rainbow smelt in Lake Oahe. *North American Journal of Fisheries Management* 7(1): 106-116.
- Rainbow smelt distributions were temperature dependent in Lake Oahe.
138. Burroughs, Raymond D. 1961. The natural history of the Lewis and Clark expedition. Michigan State University Press, East Lansing.
- Fish species from Lewis and Clark trip on the Missouri River.
139. Busiahn, Thomas R. 1977. Food, growth, and reproduction of white crappies (*Pomoxis annularis*) and black crappies (*P. nigromaculatus*) in Lake Poinsett, South Dakota. M.S. Thesis; South Dakota State University.
- Black crappies mainly fed on forage fish, while white crappies fed on planktonic crustaceans.

140. Business Research Bureau. 1961. Recreational survey of Lewis and Clark Lake and Fort Randall Reservoir. Bulletin No. 68. Business Research Bureau, School of Business, University of South Dakota, Vermillion.
- Describes use of Lewis and Clark reservoir in 1960. Lists percents of people fishing and boating.
141. Cable, Louella E. 1927. The food of bullheads in certain lakes of eastern South Dakota. M.A. Thesis; University of South Dakota.
- List of stomach samples taken from black bullhead in 11 eastern South Dakota lakes.
142. Cable, Louella E. 1928. Food of Bullheads. Bureau of Fisheries Document No. 1037. Washington, D.C.: U.S. Government Printing Office.
143. Cable, Louella E. and Edward P. Churchill. 1927. A preliminary report on the food of bullheads in certain lakes of eastern South Dakota. Proceedings of the South Dakota Academy of Science 11: 53-57.
- List of food species found in black bullhead sampled from some eastern South Dakota lakes.
144. Caldwell, Warren W. and G. Hubert Smith. 1963. Oahe reservoir: archeology, geology, history. Corps of Engineers, Omaha, Nebraska.
- Prepared by the Missouri Basin Project of the Smithsonian Institution in cooperation with the U.S. Army Corps of Engineers and the U.S. National Park Service.
145. Cappetta, Henri. 1973. Selachians from the Carlile Shale (Turonian) of South Dakota. Journal of Paleontology 47(3): 504-514.
- Evidence of ancient fish of South Dakota.
146. Carbine, W. F. 1966. Commercial fishery potential of the Missouri Basin. Minutes of the 144th meeting of the Missouri Basin Interagency Committee, Appendix B. Missouri Basin Interagency Committee, Lincoln, Nebraska.
- Commercial fishery potential on Lake Oahe in 1964, states that upward trend will continue.
147. Carlson, Bradley N. and Charles R. Berry Jr. 1990. Population size and economic value of aquatic bait species in palustrine wetlands of eastern South Dakota. The Prairie Naturalist 22(2): 119-128.
- Throw traps to determine bait fish populations of eastern South Dakota wetlands. Lists of wholesale values of fish based on current prices.
148. Carlson, Dale R. 1964. Age and growth of the stonecat, *Noturus flavus* (Rafinesque), in the Vermillion River. M.A. Thesis; University of South Dakota.
- Lists of age, length, and weight of 47 stonecats collected on the Vermillion River.
149. Carlson, Dale R. 1966. Age and growth of the stonecat, *Noturus flavus* (Rafinesque), in the Vermillion River. Proceedings of the South Dakota Academy of Science 45: 131-137.
- Lists of age, weight, and length of 47 stonecats collected by seining from the Vermillion River.
150. Carlson, Dale R. 1967. Stomach content analysis of the stonecat, *Noturus flavus* (Rafinesque), in the Vermillion River. Proceedings of the South Dakota Academy of Science 46: 145-148.
- List of stomach contents of 47 stonecats collected from the Vermillion River.

151. Carlson, Douglas M. and Patrick S. Bonislawsky. 1981. The paddlefish (*Polyodon spathula*) fisheries of the Midwestern United States. *Fisheries* 6(2): 17-27.
- Reviews distribution, commercial and sport harvest, and status by state.
152. Carpenter, Scott J., J. Mark Erickson, and F. D. Holland Jr. 2003. Migration of a late cretaceous fish. *Nature* 423: 70-74.
- Well-preserved fossils help reconstruct the ontogenetic history of *Vorhisia vulpes*.
153. Carreiro, John M. 2000. Life history characteristics of the blue sucker (*Cycleptus elongatus*) in the unchannelized reach of the Missouri River below Gavins Point dam. M.S. Thesis; University of South Dakota.
- Blue sucker were collected on the James and Missouri rivers by electrofishing. Populations appear stable below Gavins Point dam but are decreasing above the dam.
154. Choudury, A., Christopher A. Ottinger, Terry A. Dick, and Harry L. Holloway Jr. (no date). Bibliography of *Polypodium hydriforme*. Department of Biology, University of North Dakota.
155. Christiansen, Curtis C., Larry W. Hesse, and Bruce Littell. 1991. Contamination of the channel catfish (*Ictalurus punctatus*) by organochlorine pesticides and polychlorinated biphenyls in the Missouri River. *Transactions of the Nebraska Academy of Sciences* 18: 93-98.
- Levels of six contaminants varied by location.
156. Churchill, Edward P. 1927. Distribution of certain newly recorded fish of South Dakota. *The Bulletin of the Ecological Society of America* 8: 6-7.
- Distribution of 23 newly recorded fish species in eastern South Dakota lakes and rivers.
157. Churchill, Edward P. 1927. Additions to the list of fishes of South Dakota. *Proceedings of the South Dakota Academy of Science* 11: 50-52.
- Lists 31 fish species, not documented before 1926, from eastern South Dakota.
158. Churchill, Edward P. 1944. The effect of the effluent from the Sioux Falls sewage treatment plant on the fauna of the Big Sioux River. *Proceedings of the South Dakota Academy of Science* 24: 43-45.
- Sampling of the Big Sioux River indicated pollutants had previously entered the river, but no effects were seen in comparing fauna above and below the treatment plant.
159. Churchill, Edward P. and Thelma Mitchell. 1937. Intestine length and food in certain minnows. *Proceedings of the South Dakota Academy of Science* 17: 74-76.
- Discusses correlation between food eaten and ratio of intestine to body length of minnows.
160. Churchill, Edward P. and W. H. Over. 1933. *Fishes of South Dakota*. South Dakota Game and Fish Department, Pierre.
161. Cicimurri, David J. and Mark D. Fahrenbach. 2002. Chondrichthyes from the upper part of the Minnelusa Formation (Middle Pennsylvanian: Desmoinesian), Meade County, South Dakota. *Proceedings of the South Dakota Academy of Science* 81: 81-92.
- Prehistoric evidence of fish in South Dakota.

162. Claflin, Thomas O. 1963. Age and rate of growth of the goldeye, *Hiodon alosoides* (Rafinesque), in the Missouri River. M.A. Thesis; University of South Dakota.
- Discusses relationships between age and rate of growth of goldeye in the Missouri River with comparisons between the sexes.
163. Clark, Shane W. 1990. Population/biomass estimates and relative abundance indices of adult common carp in Arrowwood and Sand Lake National Wildlife Refuges. M.S. Thesis; South Dakota State University.
- Discusses biomass and relative abundance, optimal sampling schedule, gear for determining these parameters, and biomass relation to CPUE for common carp in National Wildlife Refuges.
164. Clark, Shane W. and David W. Willis. 1989. Size structure and catch rates of northern pike captured in trap nets with two different mesh sizes. *The Prairie Naturalist* 21(3): 157-162.
- Concludes no significant difference in size structure or catch rate between the mesh sizes; but 13 mm mesh is recommended over 25 mm.
165. Clark, Shane W., David W. Willis, and Charles R. Berry Jr. 1991. Indexing of common carp populations in large palustrine wetlands of the northern plains. *Wetlands* 11(1): 163-172.
- Recommends May sampling with gill nets containing three mesh sizes for determining common carp relative abundance in northern Great Plains refuges.
166. Clifford, Thomas J. 1969. An estimate of the standing crop and angler harvest of the walleye sport fishery of Lake Poinsett, South Dakota. *Proceedings of the South Dakota Academy of Science* 48: 151-156.
- Mark and recapture and angler returns of tags used in estimating population, standing crop, and angler harvest of walleye in Lake Poinsett.
167. Clifford, Thomas J. 1969. Summer movements of bigmouth buffalo in Lake Poinsett, South Dakota. M.S. Thesis; South Dakota State University.
- Reports on bigmouth buffalo swimming speed, lack of home range, schooling, avoidance of nets, and the use of gill netting for fishing in Lake Poinsett.
168. Clifford, Thomas J. and Richard L. Applegate. 1970. Lymphocystis disease of tagged and untagged walleyes in a South Dakota lake. *The Progressive Fish-Culturist* 32(3): 177.
- Documents a higher percentage of tagged walleye with lymphocystis tumors than untagged walleye in Lake Poinsett.
169. Clodfelter, Kenneth C. 1982. Growth, food habits, and the relative effectiveness of stocking rainbow trout (*Salmo gairdneri*) in south-central South Dakota. M.S. Thesis; South Dakota State University.
- Growth rate and condition were excellent, food varied among the size classes. Stocking is generally working, but effectiveness could be increased in stock ponds of south-central South Dakota.
170. Clothier, William D. and Marvin F. Boussu. 1953. The 1953 voluntary warden creel census: a contribution to better fish management. South Dakota Department of Game, Fish, and Parks, Pierre.
- Discusses angler success with nine fish species and 114 lakes, ponds, and streams in 38 counties of South Dakota in 1953.

171. Cochran, Anita. 1975. A selected annotated bibliography on fish and wildlife implications of Missouri basin water allocation. University of Colorado, Boulder.
172. Combs, David L. 1986. The role of regulations in managing paddlefish populations. The paddlefish; status, management, and propagation (L. K. Graham, T. R. Russell, and J. G. Dillard, eds). Special Publication No. 7. American Fisheries Society, North Central Division.
- Review of sport and commercial harvest regulations in 22 states including South Dakota, concludes with management implications.
173. Congdon, James C. 1968. The fish populations of Lake Poinsett, South Dakota, as indicated by the catch of four types of gear. M.S. Thesis; South Dakota State University.
- Discusses seasonal, diurnal, and between-station differences in catch with different gear for 11 fish species in Lake Poinsett.
174. Coon, D. M. 1981. The pilot field survey on Lake Oahe for proposed 316 demonstrations. Basin Electric Power Cooperation, Bismarck, North Dakota.
- Pilot field survey on Lake Oahe, contains smelt data.
175. Cope, Edward D. 1879. A contribution to the Zoology of Montana. *The American Naturalist* 13(7): 432-441.
176. Cope, Edward D. 1891. On some new fishes from South Dakota. *The American Naturalist* 25: 654-658.
- Evidence of prehistoric fishes of South Dakota.
177. Courtenay, Walter R. Jr., Dannie A. Hensley, Jeffrey N. Taylor, and James A. McCann. 1984. Distribution of exotic fishes in the continental United States. *Distribution, Biology and Management of Exotic Fishes* (W. R. Courtenay Jr. and J. R. Stauffer Jr., eds). The Johns Hopkins University Press, Baltimore.
178. Cox, Ulysses O. 1896. A report upon the fishes of southwestern Minnesota. *Report of United States Commission of Fish and Fisheries 1894: 605-616*
179. Cross, Frank B. 1970. Fishes as indicators of Pleistocene and recent environments in the central Great Plains. Pages 241-257 *in* *Pleistocene and recent environments of the central Great Plains* (W. Dort Jr. and J. Knox Jones, eds). University of Kansas Special Publication 3.
- Discusses numerous fish species with current and historic distributions in the central Great Plains, including South Dakota, and their relationship to environmental change.
180. Cross, Frank B., Richard L. Mayden, and J. D. Stewart. 1986. Fishes in the western Mississippi basin (Missouri, Arkansas, and Red rivers). Pages 363-412 *in* *The zoogeography of North American freshwater fishes* (C. H. Hocutt and E. O. Wiley, eds). John Wiley and Sons, New York.
- Historic and recent distributions of fishes for river drainages in South Dakota.
181. Crossman, E. J. 1978. Taxonomy and distribution of North American esocids. *American Fisheries Society Special Publication* 11: 13-26.
- Discusses the four native and one exotic species of esocids in North America.

182. Cunningham, George R., Ricky D. Olson, and Susanne M. Hickey. 1995. Fish surveys of the streams and rivers in south-central South Dakota west of the Missouri River. *Proceedings of the South Dakota Academy of Science* 74: 55-64.
- Lists 34 species and description of collection locations, with discussion of species' previous status and location in the state.
183. Cvancara, Victor A. 1964. Age and growth of the northern redhorse, *Moxostoma macrolepidotum* (Lesueur), in the Missouri River. M.A. Thesis; University of South Dakota.
- Growth rate of age classes and sex, length weight relationships, and condition.
184. Cvancara, Victor A. 1968. Some comparative aspects of the uricolytic enzymes and arginase in Missouri River fresh water fishes. Ph.D. Dissertation; University of South Dakota.
- Activities of uricase, allantoinase, allantoicase, arginase, xanthine oxidase, and urease of 22 fish species.
185. Davis, Blake A. 2004. Estimating trophic position of Lake Oahe walleye using stable isotope analysis. M.S. Thesis; South Dakota State University.
- Seasonal and spatial variation in energy flow can be used for monitoring prey use.
186. Deacon, James E., Gail Kobetich, James D. Williams, and Salvador Contreras. 1979. Fishes of North America endangered, threatened, or of special concern. *Fisheries* 4(2): 29-44.
- List of 251 species classified as endangered, threatened, or of special concern: the threat and known historical distribution of each is given. Includes pallid sturgeon, paddlefish, and lake sturgeon for South Dakota.
187. Deakman, Elizabeth. 1987. The D. C. Booth historic fish hatchery. *Fisheries* 12(2): 23-24.
- D. C. Booth's activities as hatchery supervisor at the Spearfish Fish Hatchery.
188. Dieter, Charles D., Charles R. Berry Jr., and Bret Kolterman. 1990. Fishing the refuges in the north central U.S.A. South Dakota Cooperative Fish and Wildlife Research Unit, Brookings.
- Discusses fishing opportunities and regulations of the north-central U.S. refuges including four in South Dakota.
189. Dieter, Charles D., Charles R. Berry Jr., and Bret Kolterman. 1991. Fish enclosures for research in marshes. *Wetlands* 11(1): 173-177.
- Construction and effectiveness of fisheries research enclosures made of livestock panels and poultry netting.
190. Dieterman, Douglas J. 1995. The influence of the Clean Water Act and tributaries on the fish community of the Big Sioux River, South Dakota. M.S. Thesis; South Dakota State University.
- Comparing fish communities before and after the Clean Water Act shows improvement, but non-point source pollution was present.
191. Dieterman, Douglas J. and Charles R. Berry Jr. 1994. Fishes in seven streams of the Minnesota River drainage in northeastern South Dakota. *Proceedings of the South Dakota Academy of Science* 73: 23-30.
- Extensive survey of the fish species of the Minnesota River drainage with a historic comparison.

192. Dieterman, Douglas J. and Charles R. Berry Jr. 1995. River fishery ecology and status of fishes in South Dakota's eastern rivers. Pages 34-35 in *Watershed management workshop for the James, Vermillion, and Big Sioux rivers* (C. L. Milewski, C. R. Berry Jr., and S. Wyman, eds). South Dakota Agricultural Experiment Station, Brookings.
- James River fishery discussion.
193. Dieterman, Douglas J. and Charles R. Berry Jr. 1998. Fish community and water quality changes in the Big Sioux River. *The Prairie Naturalist* 30(4): 199-224.
- Extensive comparison of fish communities and water quality of the Big Sioux River from 1889 to 1994.
194. Dieterman, Douglas J. and Charles R. Berry Jr. 2000. Summer habitat associations of rare fishes in South Dakota. *Proceedings of the South Dakota Academy of Science* 79: 103-110.
- Habitat associations were important to fish fauna.
195. DiLauro, Martin N. 1982. Culture of channel catfish in east-central South Dakota dugout ponds. M.S. Thesis; South Dakota State University.
- Analyzes numerous aspects of channel catfish culture, with recommendations for profitability.
196. Dillon, Jeff C. 1988. Production of triploid rainbow trout for evaluation in South Dakota waters. M.S. Thesis; South Dakota State University.
- Growth strain rainbow trout were heat shocked to produce triploids for stocking and further evaluation of success.
197. Doesken, Warren G. 1960. The food habits of certain Cyprinidae (minnows) of the Vermillion River drainage system, Clay County, South Dakota. M.A. Thesis; University of South Dakota.
- Seasonal feeding habits of the red shiner, common shiner, and fathead minnow in the Vermillion River drainage system.
198. Donaldson, Walter K. 1976. The aquatic ecology of two seasonal marshes in eastern South Dakota. M.S. Thesis; South Dakota State University.
- Zooplankton, benthos, and invertebrate biomass were determined adequate for northern pike rearing.
199. Doorenbos, Ryan D. 1998. Fishes and habitat of the Belle Fourche River, South Dakota. M.S. Thesis; South Dakota State University.
- First study documenting the habitat, distribution, and abundance of 28 species, with emphasis on the channel catfish population.
200. Doorenbos, Ryan D. and Charles R. Berry Jr. 1997. Human demography and Big Sioux recreation. Pages 31-33 in *Second biennial watershed management workshop for the James, Vermillion, and Big Sioux rivers* (C L. Milewski, C R. Berry Jr., and J. Gilbertson, eds). South Dakota Agricultural Experiment Station, Brookings.
- Angler use of the Big Sioux River.

201. Doorenbos, Ryan D., Charles R. Berry Jr., and Gerald Wickstrom. 1999. Ictalurids in South Dakota. Pages 377-389 in *Catfish 2000: proceedings of the international ictalurid symposium* (E. R. Irwin, W. A. Hubert, C. F. Rabeni Jr., H. L. Schramm, and T. Coon, eds). American Fisheries Society Symposium 24, Bethesda, Maryland.
- Discusses nine South Dakota ictalurid distributions and population metrics in 15 water bodies; conclusion: stable to increasing populations except for one species.
202. Dryer, Mark P. and Alan J. Sandvol. 1993. Recovery plan for the pallid sturgeon (*Scaphirhynchus albus*). U.S. Fish and Wildlife Service, Bismarck, North Dakota.
- Short- and long-term tasks and agency responsibilities to implement the plan.
203. Duehr, Jeremy P. 2004. Fish and habitat relations at multiple spatial scales in Cheyenne River basin, South Dakota. M.S. Thesis; South Dakota State University.
- Used fish distributions and landscape scale factors to determine fish species richness and diversity.
204. Duffy, Walter G. 1996. South Dakota fisheries - population dynamics, production, and prey consumption of fathead minnows in prairie lakes and wetlands. South Dakota Department of Game, Fish and Parks.
205. Duffy, Walter G., Charles R. Berry Jr., and Kent D. Keenlyne. 1996. The pallid sturgeon: biology and annotated bibliography through 1994. Technical Bulletin No. 5. South Dakota Cooperative Fish and Wildlife Research Unit, South Dakota State University; Brookings.
- Brief synthesis of literature on the biology of pallid sturgeon plus 123 articles.
206. Duffy, Walter G. 1998. Population dynamics, production, and prey consumption of fathead minnows (*Pimephales promelas*) in prairie wetlands: a bioenergetics approach. *Canadian Journal of Fisheries and Aquatic Sciences* 54: 15-27.
- Bioenergetics models and simulated harvest evaluated in four prairie wetlands.
207. Duru, Christian, Allen D. Johnson, and Edmour Blouin. 1981. *Neascus pyriformis* (Chandler 1951) (Trematoda: Diplostomatidae), redescription and incidence in fishes from Brule Creek, South Dakota. *Proceedings of the Helminthological Society of Washington* 48(2): 177-183.
- A total of 2,354 fish representing 10 species were checked for black spot trematode; 37.4% of the fish were infected.
208. Eastman, Charles R. 1889. Jurassic fishes from Black Hills of South Dakota. *Bulletin of the Geological Society of America* 10: 397-408.
- Early record of prehistoric fish occurrences in South Dakota.
209. Ebbers, Mark A., Peter J. Colby, and Carl A. Lewis. 1988. Walleye-sauger bibliography. Investigational Report No. 396. Minnesota Department of Natural Resources, St. Paul.
210. Eddy, Samuel. 1963. Minnesota and the Dakotas. Pages 301-315 in *Limnology in North America* (D. G. Frey, ed). The University of Wisconsin Press, Madison.
- Water properties and fish species of different water body types.

211. Elder, Randy A. 1993. The first occurrence of vertebrates, represented by the Paleozoic sharks *Petrodus*, *Listracanthus*, *Cladodus*, and *Cranodus*(?) from the Pennsylvanian-Permian Minnelusa Formation near Piedmont, South Dakota. *Proceedings of the South Dakota Academy of Science* 72: 221-233.
- Evidence of the prehistoric occurrence of sharks in western South Dakota.
212. Ellis, M. M. 1940. Mine-waste pollution of Bear Butte Creek, Black Hills, South Dakota. Special Scientific Report No. 12. U.S. Department of the Interior, Bureau of Fisheries, Washington, D.C.
- Connects mine-waste pollution to fish and fish eggs.
213. Elrod, Joseph H. 1974. Abundance, growth, survival, and maturation of channel catfish in Lake Sharpe, South Dakota. *Transactions of the American Fisheries Society* 103(1): 53-58.
- Abundance of channel catfish was similar during of the first 8 years of water impoundment.
214. Elrod, Joseph H., Fred C. June, and Lance G. Beckman. 1987. Biology of the walleye in Lake Sharpe, South Dakota, 1964-1975. Pages 46-60 in *Limnology and fishery studies on Lake Sharpe, a main-stem Missouri River reservoir, 1964-1975* (F. C. June, L. G. Beckman, J. H. Elrod, G. K. O'Bryan, and D. A. Vogel, eds). Technical Report No. 8. U.S. Department of the Interior, U.S. Fish and Wildlife Service, Washington, D.C.
- Populations of walleye were assessed during the first few years following impoundment of Lake Sharpe reservoir.
215. Elrod, Joseph H. and Thomas J. Hassler. 1969. Estimates of some vital statistics of northern pike, walleye, and sauger populations in Lake Sharpe, South Dakota. Technical Paper No. 30. Bureau of Sport Fisheries and Wildlife, United States Department of the Interior, Washington, D.C.
- Gill-net samples were used to determine abundance and survival rates of three fish species during the first 3 years of water impoundment.
216. Elrod, Joseph H. and Thomas J. Hassler. 1971. Vital statistics of seven fish species in Lake Sharpe, South Dakota, 1964-1969. Pages 27-40 in *Reservoir fisheries and limnology* (Gordon E. Hall, ed). Special Publication No. 8. American Fisheries Society, Washington D.C.
- Pre-impoundment fish size compared to post-impoundment fish for Lake Sharpe reservoir for seven fish species.
217. Elsen, Dean S. 1977. Distribution of fishes in the James River in North Dakota and South Dakota prior to the Garrison and Oahe diversion projects. M.S. Thesis; University of North Dakota.
- Abstract, introduction, and literature cited only.
218. Elser, Allen A. 1986. An overview of current management practices for paddlefish fisheries. The paddlefish; status, management and propagation (J. G. Dillard, L. K. Graham, and T. R. Russell, eds). Special Publication No. 7. American Fisheries Society, North Central Division. Bethesda, Maryland.
- A 22-state review of paddlefish regulations and habitat conservation, including South Dakota.
219. Elstad, Scott A. and Selena J. Weldon. 1993. Status report on blue sucker (*Cycleptus elongatus*), a candidate endangered or threatened species. U.S. Fish and Wildlife Service, Bismarck, North Dakota.
- Geographic distribution, habitat, biology, ecology, management, threats, and recommendations.

220. Environmental Protection Agency. 1971. Preliminary investigation of the mercury content in fish, sediment, and water in Lake Oahe, South Dakota. EPA, Kansas City, Missouri.
- Mercury contamination is related to runoff in the Black Hills into the Cheyenne River.
221. Erickson, Jonathan D. 1992. Habitat selection and movement of pallid sturgeon in Lake Sharpe, South Dakota. M.S. Thesis; South Dakota State University.
- Pallid sturgeon in Lake Sharpe reservoir, South Dakota, used a variety of habitats with various current velocities, turbidities, and substrates.
222. Ermer, Mark J. 2001. Utility of walleyes and saugeyes as secondary predators in small South Dakota impoundments. M.S. Thesis; South Dakota State University.
223. Evermann, Barton W. 1892. The ichthyologic features of the Black Hills region. Proceedings of the Indiana Academy of Science 1892: 73-78.
- Describes 15 species found in the Black Hills region. Most of the fish were in the cyprinid family.
224. Evermann, Barton W. 1893. Description of a new sucker, *Pantosteus jordani*, from the upper Missouri basin. Bulletin of the United States Fish Commission 12: 51-56.
- Describes a new species of sucker, and discusses the distribution of the various species of the genus *Pantosteus*.
225. Evermann, Barton W. and Ulysses O. Cox. 1896. A report upon the fishes of the Missouri River basin. Pages 325-429 in Report upon the fishes of the Missouri River basin. Government Printing Office, Washington, D.C.
- Investigation for suitable locations for fish hatcheries. Includes bibliographic references for other papers on Missouri River basin. Lists species found.
226. Evermann, Barton W. and James T. Scovell. 1895. The fishes of the Missouri River basin. Proceedings of the Indiana Academy of Science 1895: 126-130.
- Describes Missouri River areas and number of fish found.
227. Evetts, Michael J. 1979. Upper cretaceous sharks from the Black Hills region, Wyoming and South Dakota. The Mountain Geologist 16(2): 59-66.
228. Ewing, Rebecca R. 1989. Production and flow cytometric identification of triploid walleyes. M.S. Thesis; South Dakota State University.
- Heat-shock treatment regimes for producing triploid walleye. Flow cytometric procedures for identifying triploid fish.
229. Ewing, Rebecca R., Charles G. Scalet, and Donald P. Evenson. 1991. Flow cytometric identification of larval triploid walleyes. The Progressive Fish-Culturist 53(3): 177-180.
- Use of larval tissue to determine triploidy in larval walleyes.
230. Fahrenbach, Mark D. 1990. Cladodont shark teeth from the Late Devonian - Early Mississippian Englewood Formation of the Black Hills, South Dakota. Proceedings of the South Dakota Academy of Science 69: 153-164.
- Cladodont shark teeth description.

231. Fahrenbach, Mark D. and James E. Martin. 1986. Additional late cretaceous fishes from the Dakota Rose Granite Quarry, Grant County, South Dakota. *Proceedings of the South Dakota Academy of Science* 65: 31-32.
- Lists specimens previously not recorded.
232. Faler, Michael P. 1987. First year growth and survival of walleye in power plant evaporation and holding reservoirs. M.S. Thesis; South Dakota State University.
- Holding reservoirs show a greater potential for raising and holding walleye than evaporation reservoirs.
233. Fausch, Kurt D., James R. Karr, and Philip R. Yant. 1984. Regional application of an index of biotic integrity based on stream fish communities. *Transactions of the American Fisheries Society* 113(1): 39-55.
- Species richness is related to stream size and zoogeography.
234. Feit, Darrell E. and Steve Schainost. 1977. Population dynamics of the commercial fishery resource of the unchannelized and stabilized Missouri River. Annual Report 1976. Nebraska Game and Parks Commission. Lincoln, Nebraska.
- Age, growth data, year class strength, and mortality of five commercial fish species.
235. Felix, Thomas P. 1967. Movement of forage fishes in a South Dakota stream. M.S. Thesis; South Dakota State University.
- Movement of four forage species was studied in the South Fork Yellowbank river.
236. Fielder, David G. 1992. Evaluation of stocking walleye fry and fingerlings and factors affecting their success in lower Lake Oahe, South Dakota. *North American Journal of Fisheries Management* 12(2): 336-345.
237. Fielder, David G. 1992. Relationship between walleye fingerling stocking density and recruitment in lower Lake Oahe, South Dakota. *North American Journal of Fisheries Management* 12: 346-352.
- Developed walleye stocking densities from shoreline development values.
238. Fielder, David G. and Bruce A. Johnson. 1994. Walleye mortality during live-release tournaments on Lake Oahe, South Dakota. *North American Journal of Fisheries Management* 14: 776-780.
- Highest mortality rates occurred during weigh-in. Released tagged tournament walleye were recaptured at a higher rate than spawning-run tagged fish.
239. Fisher, Christopher J. 1996. Population characteristics and habitat selection of walleye in the Big Sioux River, South Dakota. M.S. Thesis; South Dakota State University.
- Radiotelemetry used to determine habitat use during winter; population characteristics evaluated.
240. Fisher, Shannon J. 1996. Early life history of yellow perch in eastern South Dakota lakes. M.S. Thesis; South Dakota State University.
- Sampled larval and juvenile yellow perch during summer months and speculates that year class strength was set in the larval stage during the spring.

241. Fisher, Shannon J., Marcy R. Anderson, and David W. Willis. 1998. Total length reduction in preserved yellow perch larvae. *North American Journal of Fisheries Management* 18: 739-742.
- Larval yellow perch shrinkage was greater when preserved with alcohol than formalin.
242. Fisher, Shannon J., Charles R. Pyle, and David W. Willis. 1999. Habitat use by age-0 yellow perch in two South Dakota glacial lakes. *Journal of Freshwater Ecology* 8: 85-93.
243. Fisher, Shannon J. and David G. Fielder. 1998. A standard weight equation to assess the condition of North American lake herring (*Coregonus artedii*). *Journal of Freshwater Ecology* 13(3): 269-278.
- Includes data from Lake Oahe.
244. Fisher, Shannon J., Gene F. Galinat, and David W. Willis. 1998. Resource overlap and partitioning between larval yellow perch and adult fathead minnows in a prairie glacial lake. *Proceedings of the South Dakota Academy of Science* 77: 163-171.
- Fathead minnows selected larger copepods than larval yellow perch.
245. Fisher, Shannon J., Kevin L. Pope, Leejay J. Templeton, and David W. Willis. 1996. Yellow perch spawning habitats in Pickerel Lake, South Dakota. *The Prairie Naturalist* 82: 65-75.
- Yellow perch preferred submerged periphyton-free wood structures for spawning substrate.
246. Fisher, Shannon J. and David W. Willis. 1997. Early life history of yellow perch in two South Dakota glacial lakes. *Journal of Freshwater Ecology* 12: 421-429.
- Larval and juvenile yellow perch sampled during summer months, speculates that year class strength was set in the larval stage during early life stage.
247. Fivizzani, Albert J., Thomas P. McCreery, and Timothy Hoffnagle. 1988. Timing of thyroid control of smoltification in freshwater populations of Chinook salmon. *American Zoologist* 28: 148A.
- Maximum smoltification occurs when Chinook salmon are exposed to thyroxin in the morning.
248. Flammang, Mark K. 1994. Evaluation of walleye x sauger hybrid introductions in South Dakota waters. M.S. Thesis; South Dakota State University.
- Saugeye may survive better than walleye in shallow, turbid lakes.
249. Flammang, Mark K., Juliane A. Olson, and David W. Willis. 1999. Application of the relative weight index to juvenile walleyes. *North American Journal of Aquaculture* 61: 310-314.
- Contains data from Anderson Pond and Lake Oahe.
250. Flammang, Mark K. and David W. Willis. 1993. Comparison of electropherograms and external characteristics for distinguishing juvenile walleyes and saugeyes. *The Prairie Naturalist* 25: 255-260.
- External characteristics are not always accurate and should be electrophoretically identified when necessary.
251. Flammang, Mark K. and David W. Willis. 1994. Evaluation of saugeye stockings in a South Dakota natural lake. *The Prairie Naturalist* 26: 221-227.
- Saugeye may be a better stocking choice than walleye in shallow prairie lakes.

252. Flammang, Mark K., David W. Willis, and Brian R. Murphy. 1993. Development of condition and length-categorization standards for saugeye. *Journal of Freshwater Ecology* 8: 199-207.
- A standard weight length equation was developed using data from eight states, including South Dakota.
253. Ford, Richard. 1984. Suckers to trout - effect of habitat restoration on fish populations in Rapid City, South Dakota. *Wild Trout III: proceedings of the symposium* (Frank Richardson et al., eds).
- Discussed abundance of brown trout, mountain suckers, and white suckers before and after stream modification.
254. Fouberg, Jeffrey T. 1980. Relative abundance and distribution of fishes in the lower James River, Yankton County, South Dakota, with emphasis on immature fish and gear selectivity. M.A. Thesis; University of South Dakota.
255. Fraser, J. C. 1972. Water levels, fluctuation, and minimum pools in reservoirs for fish and other aquatic resources - an annotated bibliography. FAO Fisheries Technical Paper No. 113. Food and Agriculture Organization of the United Nations, Rome.
- Contains abstracts of some Missouri River reservoir studies.
256. Frederickson, J. R. and W. C. Houtcooper. 1966. James River fish study. South Dakota Department of Water and Natural Resources, Pierre.
257. Freeling, Steven E., Charles R. Berry Jr., Ryan M. Sylvester, Steven S. Wall, and Jonathan A. Jenks. 2004. Surveys to evaluate fish distribution models for the upper Missouri River basin Aquatic GAP Project. *GAP Analysis Program Bulletin* 12: 4-7.
- Limited number of fish surveys to determine the accuracy of the fish distribution models.
258. Freiburger, Chris E. 1992. Bioenergetics and life history of rainbow smelt in Lake Oahe, South Dakota. M.S. Thesis; South Dakota State University.
- Discusses zooplankton digestion, efficient gill net mesh size, life history, and development and evaluation of bioenergetics model for rainbow smelt in Lake Oahe.
259. Friberg, Donald V. 1972. Paddlefish abundance and harvest within a population lacking recruitment, Big Bend dam tailwaters, 1961-1971. *South Dakota Department Game, Fish and Parks*. Pierre, SD.
- Population study of paddlefish in Lake Francis Case.
260. Frizzell, Don L. 1965. Otoliths of new fish (*Vorhisia vulpes*, N.gen., N.sp. Siluroidei?) from upper cretaceous of South Dakota. *Copeia* 2: 178-181.
- New upper cretaceous fish named based on otoliths from Fox Hill Sandstone in South Dakota.
261. Frizzell, Don L. and John W. Koenig. 1973. Upper cretaceous Ostariophysine (*Vorhisia*) redescribed from unique association of utricular and lagenar otoliths (Lapillus and Asteriscus). *Copeia* 4: 692-698
- New taxonomy of an ancient South Dakota fish based on otolith morphology.
262. Froebel, Charles. 1870. Notes on some observations made in Dakota, during two expeditions, under command of General Alfred Sully against the hostile Sioux, in the years 1864 and 1865. *Proceedings of the Lyceum of Natural History in the City of New York* 1: 64-73.
- Briefly mentions fish in the text.

263. Fryda, David D. 2001. A survey of the fishes and habitat of the White River, South Dakota. M.S. Thesis; South Dakota State University.
- Twenty species of fish were found during 1998-1999. River channel metrics were taken along with water temperature and turbidity measures.
264. Fuchs, Everett H. 1966. Life history of the emerald shiner in Lewis and Clark Lake, South Dakota. M.S. Thesis; South Dakota State University.
- Age, rate of growth, reproduction, feeding habits, and population dynamics for emerald shiner in Lewis and Clark Lake during 1965.
265. Fuchs, Everett H. 1967. Life history of the emerald shiner, *Notropis atherinoides*, in Lewis and Clark Lake, South Dakota. Transactions of the American Fisheries Society 96(3): 247-256.
- Discusses age and growth, reproduction, food habits, and population dynamics of the emerald shiner population in Lewis and Clark Lake.
266. Gabel, James A. 1974. An experimental trap net fishery, Lake Oahe, South Dakota, 1965. Technical Paper No. 82. U.S. Fish and Wildlife Service, Washington, D.C.
- Trap nets evaluated on catch composition (species and size), CPUE, and design.
267. Gabel, James A. 1974. Species and age composition of trap net catches in Lake Oahe, South Dakota, 1963-1967. Technical Paper No. 75. U.S. Fish and Wildlife Service, Washington, D.C.
- Thirteen species are discussed relative to age, length, year, class composition, and abundance based on trawl catches.
268. Galinat, Gene F. 2001. Influence of saugeye on black crappie populations in two northeastern South Dakota impoundments. M.S. Thesis; South Dakota State University.
- Black crappie food habits and condition were related to stocked saugeye in a small lake.
269. Galinat, Gene F., David W. Willis, Brian G. Blackwell, and Matthew J. Hubers. 2002. Influence of a saugeye (sauger x walleye) introduction program on the black crappie population in Richmond Lake, South Dakota. North American Journal of Fisheries Management 22(4): 1416-1424.
- Larger stocked saugeyes were able to survive better than smaller stocks in a lake with abundant black crappies.
270. Gangl, Robert S., Kevin L. Pope, and David W. Willis. 1997. Seasonal trends in food habits and growth of smallmouth bass in Lake Poinsett, South Dakota. South Dakota Fisheries Special Report No. 97-5. South Dakota Department Game, Fish and Parks. Pierre, SD
271. Gant, Robert D. 1967. Archeological investigations at the Arp Site, 39 BR 101, Brule County, South Dakota, 1961. W. H. Over Museum Archeological Studies, Circular 12(1967): 67.
- Historic evidence of fish use in South Dakota.
272. Gasaway, Charles R. 1970. Changes in the fish population in Lake Francis Case in South Dakota in the first 16 years of impoundment. Technical Paper No. 56. U.S. Fish and Wildlife Service, Washington, D.C.
- Growth rates increased for 13 species of fish shortly after water impoundment but declined in later years in Francis Case reservoir.

273. Gasaway, Charles R. 1971. Estimating the costs of sustained stocking of northern Great Plains reservoirs. Pages 65-85 in *Proceedings of the north central warmwater fish culture* (R. J. Muncy and R. V. Bulkley, eds). Iowa State University, Ames.
- Costs were based on hatchery costs relative to numbers stocked and survival rates.
274. Gengerke, Thomas W. 1972. Food habits of fish in a multispecies farm pond. M.S. Thesis; South Dakota State University.
- Food habits were determined from stomach contents and prey abundance in a small pond.
275. Gengerke, Thomas W. 1986. Distribution and abundance of paddlefish in the United States. The paddlefish; status, management and propagation (L. K. Graham, T. R. Russell, and J. G. Dillard, eds). Special Publication No. 7. American Fisheries Society, North Central Division.
- Discusses distribution and abundance, with status for all 22 states in the paddlefish range, including South Dakota.
276. Gido, Keith B. and James H. Brown. 1999. Invasion of North American drainages by alien fish species. *Journal of Freshwater Biology* 42: 387-399.
- Broad-scale assessment of exotic species includes Sioux and James rivers.
277. Gilbraith, David M. 1987. Evaluation of largemouth bass and bluegill stocking strategies in South Dakota ponds. M.S. Thesis; South Dakota State University.
- Compares three stocking strategies relative to growth, survival, and reproduction of the species.
278. Gilbraith, David M., Monica J. Schwalbach, and Charles R. Berry Jr. 1988. Preliminary report on the status of the pallid sturgeon, *Scaphirhynchus albus*, a candidate endangered species. Cooperative Fish and Wildlife Research Unit; South Dakota State University, Brookings.
- Status of the pallid sturgeon with emphasis on the Missouri River in South Dakota.
279. Goody, Peter C. 1976. *Enchodus* (Teleostei: Enchodontidae) from the Upper Cretaceous Pierre Shale of Wyoming and South Dakota with an evaluation of the North American Enchodontid species. *Palaeontographica Abt. A* 152: 93-112.
- Evidence of ancient fish in South Dakota.
280. Graham, Kim L. 1997. Contemporary status of the North American paddlefish, *Polyodon spathula*. *Environmental Biology of Fishes* 48(1-4): 279-289.
- Status, regulations, and commercial use of paddlefish were assessed for the United States.
281. Graham, Kim L. and Patrick S. Bonislawsky. 1978. An indexed bibliography of the paddlefish (*Polyodon spathula*). Missouri Department of Conservation, Columbia.
- Detailed index of the published information on paddlefish, including South Dakota studies.

282. Graham, Kim L., Jerry E. Hamilton, Thomas R. Russell, and Charles E. Hicks. 1986. The culture of paddlefish - a review of methods. Pages 78-94 in *The paddlefish: status, management and propagation* (J. G. Dillard, K. L. Graham, and T. R. Russell, eds). Special Publication No. 7. American Fisheries Society, North Central Division.
- Describes various means of rearing and transporting paddlefish.
283. Greene, Earl A., Charles L. Sowards, and Eugene W. Hansmann. 1990. Reconnaissance investigation of water quality, bottom sediment, and biota associated with irrigation drainage in the Angostura reclamation unit, southwestern South Dakota, 1988-1989. Water Resources Investigations Report 90-4152. U.S. Geological Survey, Rapid City, South Dakota.
- Concentrations of aluminum, arsenic, and selenium in fish tissue and water.
284. Gregory, William K. 1924. A fossil ganoid fish (*Lepidotus (?) lacotamus*, new species) from the lower cretaceous of South Dakota. *American Museum Novitates* 134: 1-8.
285. Groen, Calvin L. 1973. A creel census survey of the Missouri River sport fishery. M.A. Thesis; University of South Dakota.
- Creel census survey including river below Gavins Point Dam, South Dakota. Angling pressure on 29 species was checked.
286. Groen, Calvin L. and James C. Schmulbach. 1978. The sport fishery of the unchannelized and channelized middle Missouri River. *Transactions of the American Fisheries Society* 107(3): 412-418.
- Fishing efforts, catch, and economics of fishing were determined from creel and angler surveys below Gavins Point Dam.
287. Grover, John H. 1969. Feasibility of introducing coldwater fish into Lake Sharpe, South Dakota. Ph.D. Dissertation; Iowa State University.
- Literature on the feasibility of stocking nine species of cold-water fishes, synthesized relative to water temperature and other environmental metrics.
288. Gurtin, Scott D. 1996. An assessment of northern pike populations in small South Dakota impoundments. M.S. Thesis; South Dakota State University.
- Northern pike is probably a suitable species to stock in small West River impoundments.
289. Gurtin, Scott D., Michael L. Brown, and Charles G. Scalet. 1996. Dynamics of sympatric northern pike and largemouth bass populations in small prairie impoundments. Pages 64-72 in *Proceedings of the 1996 warmwater workshop: esocial management and culture*. R. Soderberg, editor. American Fisheries Society, Northeast Division, Bethesda, Maryland.
- Growth, abundance, and reproduction metrics determined on fish in three West River impoundments in the 1990s.
290. Gurtin, Scott D., Michael L. Brown, and Charles G. Scalet. 1996. Food habits of northern pike and largemouth bass in small prairie impoundments. Pages 73-85 in *Proceedings of the 1996 warmwater workshop: esocial management and culture* (R. Soderberg, ed). American Fisheries Society, Northeast Division, Bethesda, Maryland.
- Based on stomach contents, availability of prey was related to diets of northern pike and smallmouth bass in three West River impoundments in South Dakota.

291. Gurtin, Scott D., Michael L. Brown, and Charles G. Scalet. 1999. Retention of floy FD-94 anchor tags and effect on growth and condition of northern pike and largemouth bass. *Journal of Freshwater Ecology* 14(3): 281-286.
- Anchor tag use and effects were evaluated on fish in three west river impoundments in South Dakota.
292. Guy, Christopher S. 1990. Population dynamics of largemouth bass and panfish in South Dakota ponds. M.S. Thesis; South Dakota State University.
- Fish populations in eight small impoundments were correlated among species and water quality parameters.
293. Guy, Christopher S. 1993. Food habits of white crappies in Lake Goldsmith, South Dakota. *Proceedings of the South Dakota Academy of Science* 72: 51-60.
- Large white crappies consumed more prey fish than smaller length groups.
294. Guy, Christopher S. 1993. Structure, dynamics, and movement patterns for crappies in South Dakota waters. Ph.D. Dissertation; South Dakota State University.
- Growth, condition, size-structure, and recruitment size structure determined for black and white crappies in various wetlands in South Dakota.
295. Guy, Christopher S., Edward A. Bettross, and David W. Willis. 1990. A proposed standard weight (W_s) equation for sauger. *The Prairie Naturalist* 22(1): 41-48.
- Length-weight data from 16 states and 2 Canadian provinces showed relative weight should be used independent of length for sauger.
296. Guy, Christopher S., Robert M. Neumann, and David W. Willis. 1992. Movement pattern of adult black crappie, *Pomoxis nigromaculatus*, in Brant Lake, South Dakota. *Journal of Freshwater Ecology* 7(2): 137-147.
- Crappie movements varied in time and season and by water depth.
297. Guy, Christopher S. and David W. Willis. 1990. Structural relationships of largemouth bass and bluegill populations in South Dakota ponds. *North American Journal of Fisheries Management* 10(3): 338-343.
- Results indicate that relationships between largemouth bass and bluegills in northern U.S. wetlands were similar to southern U.S. wetlands.
298. Guy, Christopher S. and David W. Willis. 1991. Evaluation of largemouth bass - yellow perch communities in small South Dakota impoundments. *North American Journal of Fisheries Management* 11(1): 43-49.
- Yellow perch growth was inversely related to largemouth bass size structure in eight small impoundments in South Dakota.
299. Guy, Christopher S. and David W. Willis. 1991. Good pond fishing is no accident. Circular 251. Agricultural Experiment Station, South Dakota State University, Brookings.
- Describes pond management guidelines for seven fish species of South Dakota.

300. Guy, Christopher S. and David W. Willis. 1991. Relationships between environmental variables and density of largemouth bass in South Dakota ponds. *Proceedings of the South Dakota Academy of Science* 70: 109-117.
- In small impoundments, largemouth bass density will increase in ponds with clearer water and sufficient aquatic vegetation.
301. Guy, Christopher S. and David W. Willis. 1991. Seasonal variation in catch rate and body condition for four fish species in a South Dakota natural lake. *Journal of Freshwater Ecology* 6(3): 281-292.
- Catch rates and body condition varied by season in Lake Madison, South Dakota.
302. Guy, Christopher S. and David W. Willis. 1995. Growth of crappies in South Dakota waters. *Journal of Freshwater Ecology* 10(2): 151-161.
- Growth of crappies was slower in small impoundments and faster in natural lakes.
303. Guy, Christopher S. and David W. Willis. 1995. Population characteristics of black crappies in South Dakota waters: a case for ecosystem-specific management. *North American Journal of Fisheries Management* 15(4): 754-765.
- Recruitment, growth, size structure, and condition varied for black crappie by wetland type in South Dakota.
304. Guy, Christopher S., David W. Willis, and Jeffrey J. Jackson. 1994. Biotelemetry of white crappies in a South Dakota glacial lake. *Transactions of the American Fisheries Society* 123(1): 63-70.
- Crappie movements varied in time and season and relative to distance to shore.
305. Haberman, Thomas H. 1993. The Randall phase component at the Dirt Lodge Village site, Spink County, South Dakota: late woodland/early plains village transitions on the Northeastern Plains. *Plains Anthropologist* 38(145): 75-116.
- Historic use of fish in South Dakota.
306. Haertel, Lois and Darryl Jongsma. 1982. Effect of winterkill on the water quality of prairie lakes. *Proceedings of the South Dakota Academy of Science* 61: 134-151.
- Water quality in contained lab tests and in lakes with fish winterkill were compared and related to algal presence.
307. Hall, Gordon E. and Michael J. Van Den Avyle, eds. 1986. *Reservoir Fisheries Management Strategies for the 80s. Proceedings of a symposium held in Lexington, Kentucky, June 13-16, 1983.* Reservoir Committee, Southern Division, American Fisheries Society.
308. Halseth, Rick A. and David W. Willis. 1989. Unusually high condition of black crappies in the Sand Lake National Wildlife Refuge, South Dakota. *The Prairie Naturalist* 21(2): 105-109.
- Growth rates and condition of black crappies were high, perhaps due to periodic winter kills to keep fish in balance with abundant food.
309. Hamilton, Steven J. and Kevin J. Buhl. 2000. Trace elements in seep waters along Whitewood Creek, South Dakota, and their toxicity to fathead minnows. *Bulletin of Environmental Contamination and Toxicology* 65: 740-747.

310. Hampton, Douglas R. 1998. A survey of the fishes and habitat of the Cheyenne River in South Dakota. M.S. Thesis; South Dakota State University.
Fish distribution and abundance for 30 species of fish were assessed relative to river morphology.
311. Hampton, Douglas R. and Charles R. Berry Jr. 1997. Fishes of the mainstream Cheyenne River in South Dakota. *Proceedings of the South Dakota Academy of Science* 76: 11-25.
Distribution and abundance of 30 fish species were assessed by river stretches and river morphology.
312. Hanchin, Patrick A. 2001. Influence of reproductive habitat and potential competition on yellow perch populations in eastern South Dakota lakes. M.S. Thesis; South Dakota State University.
Yellow perch growth generally not affected by black bullhead presence, more affected by lake productivity.
313. Hanchin Patrick A., David W. Willis, and Matthew J. Hubers. 2002. Black bullhead growth in South Dakota waters: limnological and community influences. *Journal of Freshwater Ecology* 17(1): 65-73.
Growth was limited by black bullhead abundance but was higher with deeper waters.
314. Hanchin, Patrick A., David W. Willis, and Todd R. St. Sauver. 2002. Comparison of concurrent trap-net and gill-net samples for black bullheads. *Journal of Freshwater Ecology* 17(2): 233-237.
For black bullheads, gill nets resulted in better population indices, but trap nets were better for relative abundance.
315. Hanchin, Patrick A., David W. Willis, and Todd R. St. Sauver. 2003. Influence of introduced spawning habitat on yellow perch reproduction in Lake Madison, South Dakota. *Journal of Freshwater Ecology* 18(2): 291-297.
Relative to egg masses and larval young, several artificial tree reefs might be better than one large one.
316. Hanenberger, Ned H. 1980. The Springfield to Pickstown Survey: an archeological reconnaissance of the Missouri River Trench in southeastern South Dakota. University of South Dakota Archaeology Laboratory and South Dakota Historical Preservation Center, Vermillion. Pages 428.
A description of 51 sites, 49 of which were previously unrecorded, along the northern side of the Missouri River Trench. Includes descriptions of six private collections from the area.
317. Hannon, Michael R. 1969. Ecological and trophic distribution of pesticides in Lake Poinsett, South Dakota. M.S. Thesis; South Dakota State University.
Eleven pesticides were assessed for contamination in Lake Poinsett and related fish.
318. Hannon, Michael R., Yvonne A. Greichus, Richard L. Applegate, and Alfred C. Fox. 1970. Ecological distribution of pesticides in Lake Poinsett, South Dakota. *Transactions of the American Fisheries Society* 99(3): 496-500.
Eleven pesticides were assessed for presence in fish and the environment at Lake Poinsett.
319. Hanten, Robert. 1984. South Dakota Fisheries- over a hundred years of change. *South Dakota Conservation Digest*.

320. Harberg, Mark C. 1983. Feeding behavior, food consumption, growth, and survival of hybrid grass carp (*Hypophthalmichthys nobilis* x *Ctenopharyngodon idella*) in South Dakota. M.S. Thesis; South Dakota State University.
- Feeding, diet, growth, and survival of hybrid grass carp in controlled and natural ponds.
321. Harberg, Mark C. and Timothy C. Modde. 1985. Feeding behavior, food consumption, growth, and survival of hybrid grass carp in two South Dakota ponds. *North American Journal of Fisheries Management* 5(3): 457-464.
- Hybrid grass carp were less effective at reducing aquatic vegetation than grass carp.
322. Harland, Brandon C. 2003. Survey of the fishes and habitat of western South Dakota streams. M.S. Thesis; South Dakota State University.
- Distribution, abundance, and physical habitat in four river basins. Compares mainstem and tributary fish communities and discusses life history of flathead chub.
323. Harland, Brandon C. and Charles R. Berry, Jr. 2004. Fishes and habitat characteristics of the Keya Paha River, South Dakota-Nebraska. *Journal of Freshwater Ecology* 19: 169-77.
324. Harris, Nathan J., Gene F. Galinat, and David W. Willis. 1999. Seasonal food habits of bluegills in Richmond Lake, South Dakota. *Proceedings of the South Dakota Academy of Science* 78: 79-85.
- Foods consumed by bluegills varied by size length categories.
325. Hassler, Thomas J. 1969. Biology of the northern pike in Oahe reservoir, 1959 through 1965. Technical Paper No. 29. U.S. Department of the Interior. Bureau of Sport Fisheries and Wildlife, Washington, D.C.
- Variations in length, weight, and maturity in Oahe reservoir associated with sex and age class.
326. Hassler, Thomas J. 1970. Environmental influences on early development and year-class strength of northern pike in lakes Oahe and Sharpe, South Dakota. *Transactions of the American Fisheries Society* 99(2): 369-375.
- Once hatching occurs, physical environmental factors become less important than food availability.
327. Hassler, Thomas J. 1982. Effect of temperature on survival of northern pike embryos and yolk-sac larvae. *The Progressive Fish-Culturist* 44(4): 174-178.
- Age of embryos and temperature had the greatest effect on percentage of hatched northern pike eggs.
328. Haug, James K., Michael Fosha, Jane Abbott, Carol Hjort, and Rolfe Mandel. 1994. Exploring the Bloom Site, 1993-1994. *South Dakota Archaeological Investigations at the Bloom Site* (39HS1).
- Evidence that native peoples used fish in historic times in South Dakota.
329. Hawkins, Michael J. 2002. Use of high pressure liquid chromatography to detect and quantify oxytetracycline marks in walleye otoliths and dorsal spines. M.S. Thesis; South Dakota State University.
- Methodology, effectiveness and cost of HPLC detection of OTC compared to other visual methods.

330. Hayden, Ferdinand W. 1861. On the geology and natural history of the upper Missouri. Transactions of the American Philosophical Society 12: 1-213.
- Historical account of fish in South Dakota during an expedition of the late 1850s to early 1860s.
331. Heimstra, Norman W. and David K. Damkot. 1969. Some effects of silt turbidity on behavior of juvenile largemouth bass and green sunfish. Technical Paper No. 20. U.S. Bureau of Sport Fisheries and Wildlife, Washington D.C.
332. Held, John W. 1966. The food habits of the shovelnose sturgeon, *Scaphirhynchus platorhynchus* (Rafinesque), in the Missouri River. M.A. Thesis; University of South Dakota.
- Aquatic insect larvae made up the majority of stomach contents of 75 specimens.
333. Held, John W. 1969. Some early summer foods of the shovelnose sturgeon in the Missouri River. Transactions of the American Fisheries Society 98(3): 514-517.
- Aquatic insect larvae comprised the majority of stomach contents from 75 specimens, but varied between reservoir and true river.
334. Henley, Douglas T. 1981. Movement and distribution of esocids and forage fishes in a power plant cooling reservoir. M.S. Thesis; South Dakota State University.
- Both species used the whole reservoir in each season except for winter when they concentrated in the discharge area.
335. Henley, Douglas T. and Richard L. Applegate. 1982. Seasonal distribution of esocids in a power plant cooling reservoir. The Progressive Fish-Culturist 44: 40-41.
- Ultrasonic telemetry showed muskellunge and northern pike distribution is influenced by temperature.
336. Henry, Catherine J. and Richard Ruelle. 1992. A study of pallid sturgeon and shovelnose sturgeon reproduction. U.S. Fish and Wildlife Service; Fish and Wildlife Enhancement, Pierre, South Dakota.
- Fecundity, length, and egg diameter were measured for both species and compared to other studies.
337. Hesse, Larry W. and Gerald E. Mestl. 1986. Unchannelized Missouri River secondary production studies. Unpublished Report. Nebraska Game and Parks Commission, Norfolk.
338. Hesse, Larry W., G. L. Hergenrader, H. S. Lewis, S. D. Reetz, and A. B. Schlesinger, eds. 1982. The Middle Missouri River: a collection of papers on the biology with special reference to power station effects. The Missouri River Study Group, Norfolk, Nebraska.
339. Hesse, Larry W. 1972. Mercury contamination in fish-eating birds from a polluted watershed. M.A. Thesis; University of South Dakota.
340. Hesse, Larry W. 1990. Protecting the paddlefish. Nebraskaland 68(4): 25-29.
- Discusses numerous aspects of paddlefish biology as bases of regulation, management, and preservation.
341. Hesse, Larry W. 1993. The status of Nebraska fishes in the Missouri River: 2. Burbot (*Gadidae: Lota lota*). Transactions of the Nebraska Academy of Sciences 20: 67-71.
- Burbot are uncommon in the tailwaters of Gavins Point dam in South Dakota.

342. Hesse, Larry W. and Gerald E. Mestl. 1988. Paddlefish predicament. *Nebraska Journal* 66(6): 22-25.
 Numerous aspects of paddlefish biology and how dams affect the population.
343. Hesse, Larry W. and Gerald E. Mestl. 1989. Catfish and the Big Muddy. *Nebraska Journal* 67(5): 34-39.
 Changes in channel and catfish populations over the years and possible causes.
344. Hesse, Larry W. and Brad A. Newcomb. 1982. On estimating the abundance of fish in the upper channelized Missouri River. *North American Journal of Fisheries Management* 2: 80-83.
 Sampling occurred during the winter, 28 species of fish were recorded, eight were most abundant. Total populations were estimated.
345. Hesse, Larry W., Brad A. Newcomb, and Steven Schainost. 1982. Age-growth, length-weight, and condition factors of channel catfish from channelized, unchannelized, and stabilized Missouri River and two major tributaries. *The Missouri River Channel Catfish*, Nebraska Technical Series 11: 14-19.
 Movement was related to season and water temperature, age-growth, recruitment, and length-weight relationships from nine sites along the Missouri River
346. Hesse, Larry W., Brad A. Newcomb, and Steven Schainost. 1982. Movement, population estimation, CPE, mortality, and harvest of Missouri River and tributary channel catfish. *The Missouri River Channel Catfish*, Nebraska Technical Series 11: 33-39.
 Tagging was used to determine channel catfish population characteristics.
347. Hesse, Larry W. and James C. Schmulbach. 1991. Boundaries carved in water. *The Missouri River Brief Series* 16:11.
348. Hesse, Larry W., James C. Schmulbach, Jennifer M. Carr, Kent D. Keenlyne, Dennis G. Unkenholz, John W. Robinson, and Gerald E. Mestl. 1989. Missouri River fishery resources in relation to past, present, and future stresses. Pages 352-371 in *Proceedings of the international large river symposium* (D. P. Dodge, ed). *Canadian Special Publications in Fisheries and Aquatic Science* 106.
 Synoptic literature review addressing the fisheries and commercial and sport use relative to river management.
349. Higham, Joseph H. 1974. The commercial fishery in Lake Oahe, North and South Dakota, 1964-1970. Technical Paper 80. U.S. Fish and Wildlife Service, Washington, D.C.
 Gear used, composition of the catch, and effort and distribution of the commercial fishery.
350. Hildebrand, Dean C. 1967. A survey of the commercial fisheries on the mainstem reservoirs of the upper Missouri River system. M.S. Thesis; University of North Dakota.
 Gear used, pounds of fish caught, market sales, and management by commercial fisheries in South Dakota, determined from visits and interviews.
351. Hildebrand, Samuel F. 1932. On a new cyprinoid from South Dakota. *Journal of the Washington Academy of Science* 22(9): 257-260.
 A new species of cyprinoid is described for South Dakota.

352. Hill, Kay R. 1970. Feeding of black bullheads *Ictalurus melas* (Rafinesque) in experimental cages. M.S. Thesis; South Dakota State University.
- Black bullhead growth in cages of two sizes survived similarly and costs were nearly equal.
353. Hill, Norman. 1932. Measurement of cyanide concentration. B.S. Thesis; South Dakota School of Mines and Technology.
- Discusses cyanide concentrations, rate of addition, and flow velocity variables attributing lethal limits.
354. Hill, Tracy D. 1992. Feasibility of indexing largemouth bass population density using electrofishing catch rate and water conductivity measurement. M.S. Thesis; South Dakota State University.
- Pulsed AC was more effective for shocking largemouth bass in high-conductivity waters.
355. Hill, Tracy D. 1997. Life history and bioenergetics of Chinook salmon in Lake Oahe, South Dakota. Ph.D. Dissertation; South Dakota State University.
- Results demonstrated the importance of rainbow smelt as prey for larger fish in a South Dakota reservoir.
356. Hill, Tracy D. and Walter G. Duffy. 1993. Proposed minimum lengths for size categories of landlocked Chinook salmon. *The Prairie Naturalist* 25(3): 261-262.
357. Hill, Tracy D., Walter G. Duffy, and Melanie R. Thompson. 1995. Food habits of channel catfish in Lake Oahe, South Dakota. *Journal of Freshwater Ecology* 10(4): 319-323.
- Channel catfish fed on a variety of prey, but aquatic insects dominated the diets of all fish size groups.
358. Hill, Tracy D., Sean T. Lynott, Scott D. Bryan, and Walter G. Duffy. 1996. An efficient method for setting gill nets under ice. *North American Journal of Fisheries Management* 16(4): 960-962.
359. Hill, Tracy D. and David W. Willis. 1994. Influence of water conductivity on pulsed AC and pulsed DC electrofishing catch rates for largemouth bass. *North American Journal of Fisheries Management* 14(1): 202-207.
- Pulsed AC electric current was more effective for collecting largemouth bass in water with high conductivity.
360. Hill, Tracy D. and David W. Willis. 1993. Feasibility of indexing largemouth bass population density using electrofishing catch rates and water conductivity measurements. Completion Report No. 93-10. Department of Game, Fish and Parks.
361. Hill, Tracy D. and David W. Willis. 1993. Largemouth bass biomass, density and size structure in small South Dakota impoundments. *Proceedings of the South Dakota Academy of Science* 72: 31-39.
- Largemouth bass growth was negatively affected by density and biomass of fish in small impoundments.
362. Hoernemann, Todd A. 1992. Fathead minnows, aquatic invertebrates, and mallard duckling interactions in man-made ponds. M.S. Thesis; South Dakota State University.
- Fathead minnows can affect invertebrate populations in semipermanent wetlands.

363. Hoffman, Gregory C., Craig L. Milewski, and David W. Willis. 1990. Population characteristics of rock bass in three northeastern South Dakota lakes. *The Prairie Naturalist* 22(1): 33-40.
- Growth and condition indices for rock bass were above average in three northeastern lakes.
364. Holloway, Harry L. Jr. and Christopher A. Ottinger. (No Date) Bibliography on immunology, hematology, and parasites of paddlefish.
365. Holloway, Harry L. Jr., Terry A. Dick, and Christopher A. Ottinger. 1991. *Polypodium hydriforme* (Coelenterata) in paddlefish from the upper Missouri River drainage. *Journal of Aquatic Animal Health* 3: 210-212.
- New distribution record for this parasite includes South Dakota.
366. Houtcooper, Wayne C., David J. Ode, John A. Pearson, and George M. Vandel III. 1985. Rare animals and plants of South Dakota. *The Prairie Naturalist* 17(3): 143-165.
- Lists the rare fishes of South Dakota by status.
367. Hubbard, Daniel E. 1988. Glaciated prairie wetland functions and values: a synthesis of the literature. Biological Report 88(43). U.S. Fish and Wildlife Service, Washington, D.C.
- Use of wetlands for baitfish production, lists fathead minnow and brook stickleback as abundant species.
368. Huggins, Ernest J. 1956. Ecological studies on a strigeid trematode at Oakwood Lakes, South Dakota. *Proceedings of the South Dakota Academy of Science* 35: 204-206.
- Of 82 bullheads checked, all but two had cysts; larger fish had more cysts.
369. Huggins, Ernest J. 1958. Studies on parasites of fishes in South Dakota. *Journal of Parasitology* 44(4)2: 33.
370. Huggins, Ernest J. 1959. Lernaids and lernaepods (Arthropoda: Eucopepoda) from fishes in eastern South Dakota. *Journal of Parasitology* 45(4): 34.
- Reports on first recorded incidence of two parasitic copepods in South Dakota waters.
371. Huggins, Ernest J. 1959. Parasites of fishes in South Dakota. *South Dakota Agricultural Experiment Station Bulletin* 484:1-73.
- Parasites from fish across the state are discussed relative to recognition features, life cycles, and taxonomy, and general discussion of control and effects.
372. Hurley, Keith L., Kevin L. Pope, and David W. Willis. 1997. Back-calculated length-at-age estimates from two scale radii. *The Prairie Naturalist* 29(4): 229-236.
- Scales from four species of fish from South Dakota were analyzed.
373. Hussakof, L. 1915. Note on a Palaeoniscid fish from a Permian formation in South Dakota. Pages 347-350 in *American Journal of Science*.
374. Isaak, Daniel J., Tracy D. Hill, and David W. Willis. 1992. Comparison of size structure and catch rate for largemouth bass samples collected by electrofishing and angling. *The Prairie Naturalist* 24(2): 89-96.
- Angling was determined usable in assessing size structure and abundance of largemouth bass in small, lightly fished impoundments.

375. Isaak, Lance C., Robert M. Neumann, and David W. Willis. 1993. Food habits of walleyes in Lake Thompson, South Dakota. *The Prairie Naturalist* 25(4): 325-330.
- Although walleyes consumed various prey, invertebrates were important to their diets.
376. Isermann, Daniel. 2003. Population dynamics and management of yellow perch in South Dakota glacial lakes. Ph.D. dissertation, South Dakota State University.
377. Isermann, Daniel A., Patrick A. Hanchin, and David W. Willis. 2002. Comparison of two mesh sizes for collecting larval yellow perch in surface trawls. *North American Journal of Fisheries Management* 22(2): 585-589.
378. Isermann, Daniel A., William L. McKibbin, and David W. Willis. 2002. An analysis of methods for quantifying crappie recruitment variability. *North American Journal of Fisheries Management* 22(4): 1124-1135.
- Data from South Dakota combined from several other states in an analysis of recruitment.
379. Isermann, Daniel A., Jonathan R. Meerbeek, George D. Scholten, and David W. Willis. 2003. Evaluation of three different structures used for walleye age estimation with emphasis on removal and processing times. *North American Journal of Fisheries Management* 23(2): 625-631.
- Compared to scales and spines, otolith data was better for aging walleyes.
380. Jackson, Jeffrey J. 1992. Food habits of walleyes in Lake Oahe, South Dakota. M.S. Thesis; South Dakota State University.
- Rainbow smelt made up a large portion of walleye diets but not at all locations.
381. Jackson, Jeffrey J. and David W. Willis. 1991. Short-term mortality of smallmouth bass caught during a live-release tournament at Lake Oahe, South Dakota. *The Prairie Naturalist* 23(4): 201-204.
- Fish caught during a fishing tournament were held in floating cages to assess short-term (hooking) mortality.
382. Jackson, Jeffrey J., David W. Willis, and David G. Fielder. 1992. Food habits of young-of-the-year walleyes in Okobojo Bay of Lake Oahe, South Dakota. *Journal of Freshwater Ecology* 7(3): 329-341.
- Rainbow smelt and invertebrates were consumed most by walleye.
383. Jackson, Jeffrey J., David W. Willis, and David G. Fielder. 1993. Changes in walleye food habits throughout Lake Oahe, South Dakota, in August 1991. *The Prairie Naturalist* 25(4): 331-340.
- Walleye foods varied by location on the reservoir in August.
384. James, Daniel A. 2000. Seasonal movements and habitat use of feral brown trout within an urbanized watershed. M.S. Thesis; University of South Dakota.
385. James, Daniel A., Jack W. Erickson, and Bruce A. Barton. 2003. Using a Geographic Information System to assess the accuracy of radio-triangulation techniques for fish telemetry. *North American Journal of Fisheries Management* 23: 1271-1275.

386. James, M. C. 1934. Effect of 1934 drought on fish life. Transactions of the American Fisheries Society 64: 57-62.
Describes conditions and actions taken by 17 Midwestern states, including South Dakota, to rescue dying fish.
387. Jenkins, Robert M. 1965. Bibliography on reservoir fishery biology in North America. Research Report 68. Bureau of Sport Fisheries and Wildlife, Washington, D.C.
388. Johnson, Douglas H. 1963. The food habits of the goldeye, *Hiodon alosoides*, of the Missouri River and Lewis and Clark reservoir, South Dakota. M.A. Thesis; University of South Dakota.
Goldeye are opportunistic feeders, with aquatic and terrestrial insects and other fish species as their prey.
389. Johnson, Jerome L. 1960. Some limnological conditions relative to winter kill of fish in ice-covered representative farm ponds in eastern South Dakota. M.S. Thesis; South Dakota State University.
Low dissolved oxygen in the water contributed to fish winterkill.
390. Johnson, Raymond C. 1942. The distribution of Nebraska fishes. Ph.D. Dissertation; University of Michigan.
Includes fishes found on South Dakota border in the Missouri River.
391. Johnson, Rex R., Craig L. Milewski, and Kenneth F. Higgins. 1996. Summary and selected annotated bibliography of the ecology of the upper Mississippi and Missouri river drainage basins with emphasis on wetlands and riparian zones and the impact of flood control and flooding on the ecosystem. Pages 113-149 in Overview of river-floodplain ecology in the upper Mississippi River basin (D. L. Galat and A. G. Frazier, eds). U.S. Government Printing Office, Washington, D.C.
Fish and fish habitats along the Missouri River in South Dakota.
392. Jongsma, Darryl L. 1981. The effects of fathead minnow and yellow perch on nutrient concentrations, phytoplankton and zooplankton populations in three prairie lakes. M.S. Thesis; South Dakota State University.
393. Jordan, David S. 1878. Report on the collection of fishes made by Dr. Elliot Coues, U.S.A., in Dakota and Montana during the seasons of 1873 and 1874. U.S. Geological Survey Territory Bulletin 5: 777-799.
394. Jordan, David S. and Barton W. Evermann. 1896-1900. The fishes of North and Middle America. Bulletin of the United States National Museum No. 47, Parts 1-4, 392 plates.
395. Jordan, George R. 2000. Seasonal variation in sampling indices for fish populations collected from the Missouri River below Fort Randall dam, South Dakota. M.S. Thesis; South Dakota State University.
Seasonal fluctuations in CPUE, size structure, relative weight, and species composition for eight fish species.
396. Jordan, George R. 2001. Seasonal variation in sampling indices for fish populations collected from the Missouri River below Fort Randall Dam, South Dakota. American Fisheries Society 131: 198-99.
397. Jordan, George R. and David W. Willis. 2001. Seasonal variation in sampling indices for shovelnose sturgeon, river carpsucker, and shorthead redhorse collected from the Missouri River below Fort Randall Dam, South Dakota. Journal of Freshwater Ecology 16(3): 331-40.

398. Joseph, T. W. 1977. An indexed annotated bibliography of the rare fishes of the upper Missouri River system. Page 300 in FWS/OBS 78/13. U.S. Department of the Interior, Fish and Wildlife Service, Office of Biological Services, Western Energy and Land Use Team, Fort Collins, Colorado.
399. June, Fred C. 1970. Artesia and year-class abundance of northern pike, *Esox lucius*, in two Missouri River impoundments. Journal Fisheries Research Board of Canada 27(3): 587-591.
- Artesia was associated with water temperature and affected spawning of northern pike.
400. June, Fred C. 1971. The reproductive biology of northern pike, *Esox lucius*, in Lake Oahe, an upper Missouri River storage reservoir. Pages 53-71 in Reservoir fisheries and limnology (G. E. Hall, ed). Special Publication No. 8. American Fisheries Society, Washington, D.C.
- Sexual maturity and spawning relative to fish age and length of the northern pike.
401. June, Fred C. 1976. Changes in young-of-the-year fish stocks during and after filling of Lake Oahe, an upper Missouri River storage reservoir, 1966-1974. Technical Report No. 87. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.
- Reduction and degradation of littoral spawning and nursery habitats related to a decline in fish abundance.
402. June, Fred C. 1977. Reproductive patterns in seventeen species of warmwater fishes in a Missouri River reservoir. Environmental Biology of Fishes 2(3): 285-296.
- Little temporal overlap in peak of spawning dates occurred among the 17 fish species.
403. June, Fred C. 1981. Adult fish stocks of Lake Sharpe, South Dakota, 1964-1975. U.S. Fish and Wildlife Service Technical Paper (No Number).
404. June, Fred C. 1987. Early life history and winter mortality of gizzard shad in Lake Sharpe, South Dakota. Pages 75-83 in Limnological and fishery studies on Lake Sharpe, a main-stem Missouri River reservoir, 1964-1975 (F. C. June, L. G. Beckman, J. H. Elrod, G. K. O'Bryan, and D. A. Vogel, eds). Technical Report No. 8. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.
- Low water temperature in winter limited gizzard shad populations in Lake Sharpe during the 9-year study.
405. June, Fred C., Lance G. Beckman, Joseph H. Elrod, Gerald K. O'Bryan, and David A. Vogel. 1987. Limnological and fishery studies on Lake Sharpe, a main-stem Missouri River reservoir, 1964-1975. Technical Report No. 8. Fish and Wildlife Service, Washington, D.C.
- Collection of six papers.
406. Kallemeyn, Larry W. 1968. Survival, growth, and food habits of brook trout introduced into an eastern South Dakota stream. M.S. Thesis; South Dakota State University.
- Terrestrial and aquatic insects and forage fish comprised most of the stomach samples from the brook trout.
407. Kallemeyn, Larry W. 1975. The relative abundance and standing crop of fishes in an eastern South Dakota stream. Proceedings of the South Dakota Academy of Science 54: 162-171.
- Reproduction and migration controlled distribution of fish species in the streams.

408. Kallemeyn, Larry W. 1983. Status of the pallid sturgeon, *Scaphirhynchus albus*. Fisheries 8(1): 3-9.
A review paper, addressing distribution, status, and biology of the pallid sturgeon.
409. Kallemeyn, Larry W. and Jerry F. Novotny. 1977. Fish and fish food organisms in various habitats of the Missouri River in South Dakota, Nebraska, and Iowa. FWS/OBS-77/25. U.S. Fish and Wildlife Service, Washington, D.C.
Forty-six fish species were collected in all habitats but more commonly in backwater areas.
410. Kantrud, Harold A., Gary L. Krapu, and George A. Swanson. 1989. Prairie basin wetlands of the Dakotas: a community profile. Biological Report 85 (7.28). U.S. Fish and Wildlife Service.
Fish survival in prairie pothole wetlands.
411. Karnitz, Kim S. 1992. Influence of rainbow smelt predation on zooplankton community composition in Lake Oahe, South Dakota. M.S. Thesis; South Dakota State University.
Rainbow smelt diet and digestion rate. Evaluates zooplankton communities before and after rainbow smelt introduction.
412. Kazmierski, Joel A. 1966. Composition and seasonal changes of the macrofauna of an intermittent prairie stream. M.A. Thesis; University of South Dakota.
Of 13 species of fish collected in Say Brook, Clay County, South Dakota, three species of minnows were the most common.
413. Keenlyne, Kent D. 1989. A report on the pallid sturgeon. U.S. Fish and Wildlife Service, Pierre, South Dakota.
Lists sightings of pallid sturgeon with some photos, gives dates, location, weight, and length.
414. Keenlyne, Kent D. 1997. Life history and status of the shovelnose sturgeon, *Scaphirhynchus platyrhynchus*. Environmental Biology of Fishes 48: 291-298.
Shovelnose sturgeon life history, status, and harvest across its entire range including South Dakota.
415. Keenlyne, Kent D. and Paul D. Evenson. 1993. Standard and relative weight for the pallid sturgeon, *Scaphirhynchus albus*. Proceedings of the South Dakota Academy of Science 72: 41-49.
Weight-length parameters were based on file records, many from South Dakota.
416. Keenlyne, Kent D., Catherine J. Henry, Anne Tews, and Patrick Clancey. 1994. Morphometric comparisons of upper Missouri River sturgeons. Transactions of the American Fisheries Society 123(5): 779-785.
Morphology of the pallid and shovelnose sturgeon from North Dakota, South Dakota, and Montana were compared.
417. Keenlyne, Kent D. and S. J. Maxwell. 1993. Length conversions and length-weight relations for pallid sturgeon. North American Journal of Fisheries Management 13(2): 395-397.
Length-weight data from record fishes, including South Dakota.
418. Kim, Jong H., Eric Birks, and James F. Heisinger. 1976. Protective action of selenium against mercury in northern creek chubs. Proceedings of the South Dakota Academy of Science 55: 176.

419. Kincaid, Harold L., Leslie J. Mengel, Matthew J. Gray, and Stephen Brimm. 1999. National fish strain registry - paddlefish and sturgeon (NFSR-PS): species tables on reported populations and broodstocks. U.S. Fish and Wildlife Service, Washington, D.C., and U.S. Geological Survey, Reston, Virginia.
- Lists where brood stock originated for fish culture; records from South Dakota listed.
420. Kingsbury, George W. 1915. History of Dakota Territory. Pages 583-584 in *South Dakota, its history and its people* (G. M. Smith, ed). The S. J. Clarke Publishing Company, Chicago, Illinois.
- Biography of a prominent fish culturalist in South Dakota, DeWitt C. Booth.
421. Kirby, Daniel J. 2001. An assessment of the channel catfish population in the Big Sioux River, South Dakota. M.S. Thesis; South Dakota State University.
- Growth rates and size of channel catfish, including trophy sized fish, varied by river segments.
422. Kivett, Marvin F. and Richard E. Jensen. 1976. The Crow Creek Site (39 BF 11). Nebraska State Historical Society, Publications in Anthropology No. 7.
- Apparently fish were a minor part of Indian diets at Crow Creek based on archaeological evidence.
423. Kohler, Christopher C., Robert J. Sheehan, Joseph J. Myers, James B. Rudacille, M. Lizabeth Allyn, and A. Victor Suresh. 2001. Performance comparison of geographic strains of white bass (*Morone chrysops*) to produce sunshine bass. *Aquaculture* 202:351-357.
- Used white bass from three geographic regions to determine feasibility of raising sunshine bass and best strain to use.
424. Kolander, Todd D. 1992. Factors limiting overwinter survival of young-of-the-year largemouth bass in South Dakota. M.S. Thesis; South Dakota State University.
- Overwinter mortality was related to fish energy reserves that were associated with water temperature.
425. Kolander, Todd D., David W. Willis, and Brian R. Murphy. 1991. A proposed revision in the standard weight (W_s) equation for smallmouth bass. South Dakota Game, Fish and Parks Report No. 91-15.
426. Kolterman, Bret F. 1990. Effects of common carp and black bullheads on sago pondweed. M.S. Thesis; South Dakota State University.
- Both species foraged mostly on invertebrates; damage to sago was mostly physical.
427. Koski, Kris D. 2000. Relative survival and growth of walleye and saugeye fingerlings stocked in South Dakota small impoundments. M.S. Thesis; South Dakota State University.
- Earlier stocked fish survived poorly; growth varied considerably for both species.
428. Koth, Ronald M. 1980. Food habits and growth of rainbow trout in a prairie pond. M.S. Thesis; South Dakota State University.
- Rainbow trout foraged on invertebrates and fathead minnows and had high growth rates.
429. Kozel, Douglas J. 1974. The utilization of select habitats by immature and adult fishes in the unchannelized Missouri River. M.A. Thesis; University of South Dakota.
- Of 33 fish species collected, capture varied by sampling method and river habitats.

430. Kozel, Douglas J. and James C. Schmulbach. 1976. Utilization of marsh and sandbar habitats by fishes in the unchannelized Missouri River. *Proceedings of the South Dakota Academy of Science* 55: 177.
- Thirty-six species were identified; 35 were found in marsh habitats and 14 were found in sandbar habitats.
431. Kramer, Richard P. 1979. Design and evaluation of a fisheries information storage and retrieval system (FISARS) for the state of South Dakota. M.S. Thesis; South Dakota State University.
- Describes computerized data retrieval systems and user and cost effectiveness for South Dakota.
432. Krantz, Eric L. 2002. Urban runoff water-quality impacts to brown trout (*Salmo trutta*) in Rapid Creek, Rapid City. M.S. Thesis, South Dakota School of Mines and Technology.
- Water samples were collected during runoff storm events and analyzed.
433. Krska, Robert J. Jr. 1980. Feeding ecology of fishes in a South Dakota power plant cooling reservoir. M.S. Thesis; South Dakota State University.
- Diets varied among species and size groups at Big Stone power plant reservoir.
434. Krska, Robert J. Jr. and Richard L. Applegate. 1982. Food of young muskellunge in a power plant cooling reservoir. *The Progressive Fish-Culturist* 44(4): 172-173.
- Muskellunge fed mostly on deep-bodied spring rayed fishes.
435. Krska, Robert J. Jr. and Richard L. Applegate. 1984. Food of bluegills (*Lepomis macrochirus*) from heated and unheated areas of a power plant cooling reservoir. *Journal of Freshwater Ecology* 2(4): 325-334.
- Water temperature and substrate influenced food habits of bluegill in a power plant cooling reservoir in South Dakota.
436. Kruse, Carter G., Christopher S. Guy, and David W. Willis. 1993. Comparison of otolith and scale age characteristics for black crappies collected from South Dakota waters. *North American Journal of Fisheries Management* 13(4): 856-858.
- Precision ages for black crappie were equal between the two methods.
437. Kubeny, Stephen J. 1992. Population characteristics and habitat selection of channel catfish (*Ictalurus punctatus*) in the lower James River, South Dakota. M.S. Thesis; South Dakota State University.
- Fish used complex habitats; distribution was related to water depth and substrate.
438. Lagler, Karl F. 1956. *Freshwater fishes of North America, North of Mexico*. William. C. Brown Company, Dubuque, Iowa.
- Discusses distribution of 33 families of freshwater fish in the U.S. Includes general descriptions and life histories.
439. Larson, Kjersten. 1997. Faunal diversity and richness of natural, restored, dam-created, and borrow-pit wetlands in the prairie pothole region of eastern South Dakota. M.S. Thesis; South Dakota State University.
- Species diversity data will help in road wetland construction or mitigation guidelines.

440. Latka, Douglas C., John M. Nestler, and Larry W. Hesse. 1993. Restoring physical habitat in the Missouri River: a historical perspective. Pages 350-359 *in* Symposium on restoration planning for the rivers of the Mississippi River ecosystem (L. W. Hesse, C. B. Stalnaker, N. G. Benson, and J. R. Zuboy, eds). U.S. Department of the Interior, National Biological Survey, Onalaska, Wisconsin.
- Restoring and projecting river flow and velocity will aid native fisheries.
441. Lehmer, Donald J. 1971. Introduction to middle Missouri archeology. National Park Service, U.S. Dept. of the Interior, Washington D.C.
- Historic fish and fish hook accounts in South Dakota.
442. Lehmer, Donald T. and David T. Jones. 1968. Arikara archeology: the Bad River phase. Publications in Salvage Archeology No. 7: River Basin Surveys (Jerome E. Petsche, ed). Smithsonian Institute, Washington D.C.
- Historic fish evidence in the Bad River gorge.
443. Lewis, Standley E., T. J. Kunkel, S. M. Matricous, and T. T. Behnke. 2000. Invertebrate and vertebrate fauna from the Carlile formation (cretaceous-turonian) of Grant County, South Dakota. Occasional Papers in Paleobiology 10(1).
- Fossil evidence of fish in South Dakota.
444. Lindgren, John P. 1991. Evaluation of largemouth bass harvest regulations for South Dakota waters. M.S. Thesis; South Dakota State University.
- Results showed vulnerability of largemouth bass to angler harvest in two lakes.
445. Lindgren, John P. and David W. Willis. 1990. Evaluation of a 380-mm minimum length limit for largemouth bass in Lake Alvin, South Dakota. Proceedings of the South Dakota Academy of Science 69: 121-127.
- A 380-mm length limit aided largemouth bass management in Lake Alvin.
446. Lindgren, John P. and David W. Willis. 1990. Vulnerability of largemouth bass to angling in two small South Dakota impoundments. The Prairie Naturalist 22(2): 107-112.
- Largemouth bass populations in small waters can be reduced by angling.
447. Lindsay, William K. 1975. Impact of fish hatchery effluents on receiving streams. M.S. Thesis; Ohio State University.
- McNenny National Fish Hatchery, South Dakota, was part of this study on the effects on fish foods.
448. Loomis, Todd M. 1997. Survey of the fishes and habitat in the upper Moreau River, Perkins County, South Dakota. M.S. Thesis; South Dakota State University.
- Nineteen species of fish collected; distribution related to habitat.
449. Loomis, Todd M., Charles R. Berry Jr., and Jack Erickson. 1999. The fishes of the upper Moreau River basin. The Prairie Naturalist 31(4): 193-214.
- Seven new species of fish were found in the Moreau River system. Upper reaches had the most fish.

450. Lott, John P. 1991. Food habits of yellow perch in eastern South Dakota glacial lakes. M.S. Thesis; South Dakota State University.
Aquatic insects, primarily Chironomids, were important to yellow perch diets.
451. Lott, John P. and David W. Willis. 1991. Gill net mesh size efficiency for yellow perch. *The Prairie Naturalist* 23(3): 139-144.
Variable mesh size gill nets adequately sampled all age/size groups of yellow perch.
452. Lott, John P., David W. Willis, and David O. Lucchesi. 1996. Relationship of food habits to yellow perch growth and population structure in South Dakota lakes. *Journal of Freshwater Ecology* 11(1): 27-37.
Chironomids were important as a food source for yellow perch.
453. Lott, John P., David W. Willis, and David O. Lucchesi. 1998. Zooplankton structural indices as indicators of yellow perch population characteristics. *The Prairie Naturalist* 30(2): 111-122.
Yellow perch population size and structure were not correlated to zooplankton but were correlated to *Daphnia* spp.
454. Lucchesi, David O. 2002. Evaluating the contribution of stocked walleye fry and fingerlings to South Dakota walleye populations through mass marking with oxytetracycline. *North American Journal of Fisheries Management* 22(3): 985-994.
Stocked young walleye contributed to age class of walleye in lakes.
455. Lucchesi, Dave O., J. L. Gilb, T. W. Hart, and Michael L. Brown. 2000. Evaluating the contribution of stocked fish in South Dakota through mass-marking with oxytetracycline. Pages 3-19 *in* Proceedings of the coolwater culture workshop.
456. Lundberg, John G. 1975. The fossil catfishes of North America. *Papers on Paleontology* No. 11.
Includes accounts of fossils from South Dakota.
457. Lynott, Sean T. 1997. Bioenergetics of rainbow trout in Lake Oahe, South Dakota. M.S. Thesis; South Dakota State University.
Rainbow smelt dominated trout diets, models developed.
458. Lynott, Sean T., Scott D. Bryan, Tracy D. Hill, and Walter G. Duffy. 1995. Monthly and size-related changes in the diet of rainbow trout in Lake Oahe, South Dakota. *Journal of Freshwater Ecology* 10(4): 399-407.
Invertebrates and rainbow smelt dominated the diets of rainbow trout.
459. Macdonald, J. R. 1951. The fossil vertebrata of South Dakota. *Guidebook Fifth Field Conference. Society Vertebrate Paleontology* 5: 63-74.
Few records of fossil fish.
460. Maddux, Henry R. 1985. Distribution, temperature selection, and gonadal development of fishes in a power plant cooling reservoir. M.S. Thesis; South Dakota State University.
Water temperature did not affect gonad development of 18 fish species in Big Stone Power Plant cooling reservoir.

461. Maddux, Henry R. and Richard L. Applegate. 1984. Differential infection of walleyes by *Contracaecum* spp. in heated and nonheated reservoirs. *The Prairie Naturalist* 16(1): 44-45.
- Fish disease in Big Stone Power Plant reservoir.
462. Maher, Jay P. 1987. Rainbow trout cage culture, utilization of different strains, stocking densities, and feeding methods in eastern South Dakota dugout ponds. M.S. Thesis; South Dakota State University.
- Cage studies in dugouts indicated rainbow trout culture in eastern South Dakota was not feasible.
463. Mangan, Matthew T. 2004. Yellow perch production and harvest strategies for semi-permanent wetlands in eastern South Dakota. M.S. Thesis; South Dakota State University.
464. Margenau, Terry L. 1982. Evaluation of a power plant reservoir as a holding area for paddlefish brood stock. M.S. Thesis; South Dakota State University.
- Crustacean zooplankton dominated the diets of paddlefish at Big Stone Power Plant cooling reservoir.
465. Marsh-Matthews, Edie, and William J. Matthews. 2000. Spatial variation in relative abundance of a widespread, numerically dominant fish species and its effect on fish assemblage structure. *Oecologia* 125: 282-92.
- Red shiners were not found to have a strong impact on fish within their native range.
466. Martin, Dan B., Leslie J. Mengel, Jerry F. Novotny, and Charles H. Walburg. 1981. Spring and summer water levels in a Missouri River reservoir: effects on age-0 fish and zooplankton. *Transactions of the American Fisheries Society* 110 (3): 370-381.
- High water levels in 1 of 3 years would enhance forage production and fish growth.
467. Martin, Dan B. and Jerry F. Novotny. 1977. Zooplankton standing crop in the discharge of Lake Francis Case, 1966-1972. *American Midland Naturalist* 98(2): 296-307.
- Fish standing crop is related to zooplankton abundance.
468. Martin, James E. 1987. Paleoenvironment of the Large/Ferguson Clovis Kill Site in the Badlands of South Dakota. *Late Quaternary Mammalian Biogeography and Environments of the Great Plains and Prairies* 12:318-319.
- Evidence of minnows was found.
469. Martin, James E., Gordon L. Bell Jr., Bruce A. Schumacher, and J. Foster Sawyer. 1996. Geology and paleontology of late cretaceous marine deposits of the southern Black Hills region: road log, field trip 8. Pages 51-77 in *Guidebook to the geology of the Black Hills, South Dakota* (C. J. Paterson and J. G. Kirchner, eds). *South Dakota School of Mines and Technology Bulletin* 19.
- Gives road stops where ancient fish fossils have been found.
470. Martin, James E., Bruce A. Schumacher, David C. Parris, and Barbara Smith Grandstaff. 1998. Fossil vertebrates of the Niobrara formation in South Dakota. *Dakoterra* 5:39-54.
- Describes ancient fishes in South Dakota based on fossils.

471. Mauk, Robert J. 1997. Development, growth, and behavioral ecology of walleye as influenced by sublethal exposure to dietary selenium. M.S. Thesis; South Dakota State University.
Chronic toxicity due to selenium was not apparent in walleye.
472. Mauk, Robert J. and Michael L. Brown. 1999. Acute toxicity of sodium selenite to juvenile walleye. *Bulletin of Environmental Contamination and Toxicology* 63: 188-194.
Selenium not critical to juvenile walleye survival in the Cheyenne River.
473. Mauk, Robert J. and Michael L. Brown. 2001. Performance of walleye progeny from Missouri River tributaries in South Dakota. *North American Journal of Aquaculture* 63(2): 167-170.
Growth was similar among young fish from different locations in South Dakota.
474. Mauk, Robert J. and Michael L. Brown. 2001. Selenium and mercury concentrations in brood-stock walleye collected from three sites on Lake Oahe. *Archives of Environmental Contamination and Toxicology* 40: 257-263.
475. May, Theodor W., Raymond H. Wiedmeyer, Joy Gober, and Scott Larson. 2001. Influence of mining-related activities on concentrations of metals in water and sediment from streams of the Black Hills, South Dakota. *Bulletin of Environmental Contamination and Toxicology* 40: 1-9.
Toxic concentrations were high enough in streams to affect fish production.
476. Mayden, Richard. 1987. Faunal exchange between Niobrara and White River systems of the North American Great Plains. *Prairie Naturalist* 19: 173-176.
Discusses faunal exchange resulting in first time collections of the plains topminnow and bigmouth shiner near LaCreek.
477. Mayden, Richard L., Frank B. Cross, and Owen T. Gorman. 1987. Distributional history of the rainbow smelt, *Osmerus mordax* (Salmoniformes: Osmeridae), in the Mississippi River basin. *Copeia* 4: 1051-1054.
Documents how rainbow smelt were introduced to South Dakota waters.
478. McComish, Thomas S. 1964. Food habits of bigmouth and smallmouth buffalo in Lewis and Clark Lake and the Missouri River. M.S. Thesis; South Dakota State University.
Zooplankton made up most of the food of smallmouth and bigmouth buffalo in Lewis and Clark Lake and the Missouri River.
479. McComish, Thomas S. 1967. Food habits of bigmouth and smallmouth buffalo in Lewis and Clark Lake and the Missouri River. *Transactions of the American Fisheries Society* 96: 70-74.
Diet of young-of-the-year, sub-adult, and adult smallmouth and largemouth buffalo.
480. McCoy, Richard W. 1974. Feeding of hatchery-reared brown trout (*Salmo trutta* L.) in relation to the diel drift in a South Dakota stream. M.S. Thesis; South Dakota State University.
Frogs, fishes, and invertebrates were consumed by brown trout but no coordination to diel drift.

481. McCoy, Richard W. and Donald C. Hales. 1974. A survey of eight streams in eastern South Dakota: physical and chemical characteristics, vascular plants, insects and fishes. *Proceedings of the South Dakota Academy of Science* 53: 202-219.
- Twenty-two fish species found in eight South Dakota streams.
482. McDonald, Arthur L. 1966. Modification of agonistic behavior in fish. Ph.D. Dissertation; University of South Dakota.
- Tank experiments with largemouth bass and green sunfish.
483. McKibbin, William L. 2002. Structure and dynamics of largemouth bass populations in eastern South Dakota glacial lakes and large impoundments. M.S. Thesis; South Dakota State University.
- Size-structure indices were bimodal and similar among lakes.
484. McMillan, Gladys L. and Orin M. Lofthus. 1950. A preliminary report on the metacercarial stage of a fluke found in South Dakota fishes. *Proceedings of the South Dakota Academy of Science* 29: 100-101.
485. McPhail, J. D. 1963. The postglacial dispersal of freshwater fishes in northern North America. Ph.D. Thesis, McGill University, Montreal, Canada.
486. Mead, Jim I. 1994. Late Pleistocene fish and amphibians from Hot Springs mammoth site, South Dakota. The Hot Springs mammoth site: a decade of field and laboratory research in paleontology, geology, and paleoecology (L. D. Agenbroad and J. I. Mead, eds). Mammoth Site of Hot Springs, South Dakota, Inc.
487. Meeks, William A. 1996. Nongame vertebrate survey of Sand Lake National Wildlife Refuge, Brown County, South Dakota. M.S. Thesis; South Dakota State University.
- Sixteen fish species were found, 22 species are recorded in the refuge files.
488. Meerbeek, Jonathan R., Daniel A. Isermann, and David W. Willis. 2002. Influence of age on yellow perch abundance on walleye populations in two eastern South Dakota lakes. *Proceedings of the South Dakota Academy of Science* 81: 93-99.
- Prey availability was important to fish population structure.
489. Melius, Michael M. 1987. Plants and animals rare in South Dakota. Ornate Press, Hermosa, South Dakota.
490. Meredith, Leslie P. 1962. Food habits of young-of-the-year game fishes and cyprinid fishes in two artificial impoundments of the Missouri River in South Dakota. M.A. Thesis; University of South Dakota.
- Microcrustaceans were important food items for young-of-the-year fishes.
491. Meronek, Thomas G. 1994. Status of the bait industry in the north-central region of the United States. M.S. Thesis; University of Wisconsin.
- Includes estimates of bait sold in South Dakota.
492. Meronek, Thomas G., Fred A. Copes, and Daniel W. Coble. 1995. A summary of bait regulations in the north-central United States. *Fisheries* 20:16-23.
- Includes regulations for harvest, sales, and equipment in South Dakota.

493. Meronek, Thomas G., Fred A. Copes, and Daniel W. Coble. 1997. A survey of the bait industry in the north-central region of the United States. *North American Journal of Fisheries Management* 17(3): 703-711.
Volumes of fish taken and sold as bait in South Dakota are reported.
494. Meyer, F. P. 1960. Life history of *Marsipometra hastata* and the biology of its host, *Polyodon spathula*. Ph.D. Thesis, Iowa State University.
495. Michaletz, Paul H., Dennis G. Unkenholz, and Clifton C. Stone. 1987. Prey size selectivity and food partitioning among zooplanktivorous age-0 fishes in Lake Francis Case, South Dakota. *The American Midland Naturalist* 117(1): 126-138.
Age-0 fishes partitioned food resources by prey size.
496. Milewski, Craig L. 1990. Evaluation of smallmouth bass introductions in South Dakota lakes. M.S. Thesis; South Dakota State University.
Lake morphometry and substrates were related to bass reproduction. Catch rates were affected by habitat data.
497. Milewski, Craig L. 2001. Local and systemic controls on fish and fish habitat in South Dakota rivers and streams: implications for management. Ph.D. Dissertation; South Dakota State University.
Habitat complexity, especially channel heterogeneity, will enhance fish populations.
498. Milewski, Craig L., Charles R. Berry Jr., and Douglas J. Dieterman. 2001. Use of the index of biological integrity in eastern South Dakota rivers. *The Prairie Naturalist* 33(3): 135-151.
Sub-humid and semi-arid region streams need to be assessed on different biological criteria.
499. Milewski, Craig L., Charles R. Berry Jr., and S. Wyman. 1995. Watershed Management Workshop for the James, Vermillion, and Big Sioux rivers. SDSU AES B720: 1-80.
Workshop included papers on fish and their habitats.
500. Milewski, Craig L. and Michael L. Brown. 1994. Proposed standard weight (W_s) equation and length-categorization standards for stream-dwelling brown trout (*Salmo trutta*). *Journal of Freshwater Ecology* 9: 111-117.
501. Milewski, Craig L. and David W. Willis. 1989. Reproduction, recruitment, and survival of brown and rainbow trout in a Prairie Coteau stream. *The Prairie Naturalist* 21(3): 147-156.
Brown trout will be the primary fish due to annual stockings of catchable-size fish.
502. Milewski, Craig L. and David W. Willis. 1991. Smallmouth bass size structure and catch rates in five South Dakota lakes as determined from two sampling gears. *The Prairie Naturalist* 23(2): 53-60.
Gear effectiveness not altered by water turbidity or conductance.
503. Miller, Carl F. 1964. Archeological investigations at the Hosterman Site (39PO7), Oahe reservoir area, Potter County, South Dakota. 1956. *River Basin Surveys Papers* 35: 139-258.
Bone evidence; mainly catfish were present in Indian habitation sites.

504. Miller, Grant L. and William R. Nelson. 1974. Goldeye, *Hiodon alosoides*, in Lake Oahe: abundance, age, growth, maturity, food, and the fishery 1963-1969. Technical Paper No. 79. U.S. Fish and Wildlife Service, Washington, D.C.
505. Miller, Lawrence M. 1984. Angler harvest survey of Lake Francis Case, South Dakota. M.S. Thesis; South Dakota State University.
Methods evaluated for assessing fish harvest in a large reservoir.
506. Miller, Robert R. 1972. Threatened freshwater fishes of the United States. Transactions of the American Fisheries Society 101(2): 239-252.
Lists rare and threatened fishes of South Dakota.
507. Missouri River Basin Commission. 1979. James River basin, North and South Dakota. Institute for Ecological Studies, University of North Dakota, Grand Forks.
A synopsis of habitats, regulations, and land use relative to fish and other wildlife in the James River valley in South Dakota.
508. Missouri River Basin Studies, U. S. Fish and Wildlife Service. 1953. Fisherman-expenditure study Deerfield reservoir, South Dakota 1949-1950. Missouri River Basin Studies, Billings, Montana.
Fishermen spent more to fish for cold-water than warm-water species.
509. Mitchell, Thelma. 1936. The anatomy of the alimentary canals of certain minnows and of the trout perch. M.A. Thesis; University of South Dakota.
510. Modde, Timothy C. 1973. Food selectivity of the shovelnose sturgeon, *Scaphirhynchus platorynchus*, in the Missouri River. M.A. Thesis; University of South Dakota.
Seasonal food habits consisted mainly of aquatic organisms; seasonal diets varied by food abundance.
511. Modde, Timothy C. 1980. State stocking policies for small warmwater impoundments. Fisheries 5(5): 13-17.
512. Modde, Timothy C. 1986. Pond management strategies: recommendations for enhancement of the South Dakota pond fishery. Unpublished Report (Annotated Bibliography). South Dakota Game, Fish and Parks, Pierre.
513. Modde, Timothy C., Richard C. Ford, and Milton G. Parsons. 1991. Use of a habitat-based stream classification system for categorizing trout biomass. North American Journal of Fisheries Management 11(3): 305-311.
Biomass of brown trout but not brook trout was related to habitats.
514. Modde, Timothy C. and Charles G. Scalet. 1985. Latitudinal influence upon largemouth bass and bluegill interactions in small impoundments. Pages 201-207 in Fish culture in fisheries management: proceedings of a symposium on the role of fish culture in fisheries management (R. H. Stroud, ed). Fish Culture Section and Fisheries Management Section of the American Fisheries Society, Bethesda, Maryland.
515. Modde, Timothy C. and Charles G. Scalet. 1985. Latitudinal growth effects on predator-prey interactions between largemouth bass and bluegill in ponds. North American Journal of Fisheries Management 5(2): 227-232.
Record weight of South Dakota fish were used in this study.

516. Modde, Timothy C. and James C. Schmulbach. 1977. Food and feeding behavior of the shovelnose sturgeon, *Scaphirhynchus platyrhynchus*, in the unchannelized Missouri River, South Dakota. Transactions of the American Fisheries Society 106(6): 602-608.
- Aquatic arthropods dominated the diet but varied seasonally and by water flows.
517. Modde, Timothy C. and Clifton C. Stone. 1980. Growth and biomass of largemouth bass (*Micropterus salmoides*) in a western South Dakota stock pond. Proceedings of the South Dakota Academy of Science 59: 138-146.
518. Moen, Thomas E. 1970. The occurrence of black buffalo, *Ictiobus niger* (Rafinesque), in Lake Mitchell, South Dakota. Proceedings of the South Dakota Academy of Science 49: 42-45.
519. Moen, Thomas E. 1974. Population trends, growth, and movement of bigmouth buffalo, *Ictiobus cyprinellus*, in Lake Oahe, 1963-1970. Technical Paper No. 78. U.S. Fish and Wildlife Service, Washington, D.C.
520. Moen, Thomas E. and Dale L. Henegar. 1971. Movement and recovery on tagged northern pike in Lake Oahe, South and North Dakota, 1964-1968. Pages 85-93 in Reservoir fisheries and limnology (G. E. Hall, ed). Special Publication No. 8. American Fisheries Society, Washington, D.C.
- Direction and distance of movement varied with season, sex, and tagging location.
521. Monner, R. J. 1931. Determination of cyanamide and urea. B.S. Thesis; South Dakota School of Mines and Technology.
- Determined amount of cyanide required to kill trout with use of urea formation.
522. Moos, Richard Eugene. 1978. Movement and reproduction of shovelnose sturgeon, *Scaphirhynchus platyrhynchus* (Rafinesque), in the Missouri River, South Dakota. Ph.D. Dissertation; University of South Dakota.
- South Dakota Missouri River sturgeon averaged less in size and weight than in rivers in the three other states; movements were average and reproduction was on a 2- or 3-year cycle.
523. Morey, Nathan M. 2004. Growth correlates of several lotic fishes. M.S. Thesis; South Dakota State University.
- Studied several warm water streams to determine relationships between fish growth and stream morphology, riparian vegetation, and community structure.
524. Morey, Nathan M. and Charles R. Berry Jr. 2003. Biological characteristics of the blue sucker in the James River and the Big Sioux River, South Dakota. Journal of Freshwater Ecology 18(1): 33-41.
- Age, growth, condition, and habitat preference were determined.
525. Morey, Nathan M., and Charles R. Berry . 2004. New distributional record of the northern redbelly dace in the northern Great Plains. The Prairie Naturalist 36(4): 257-60.
526. Morris, Charles E. 1985. Evaluating of structure and growth of bluegills and black bullheads stocked with largemouth bass in South Dakota farm ponds. M.S. Thesis; South Dakota State University.
- Pond depth was the most important habitat factor for all three species.
527. Morris, L. A. 1965. Sauger and walleye investigations in the Missouri Rivers. Nebraska Game and Parks Commission, Lincoln. Project No. F-4-R-10. Job Completion Report No. 21.

528. Morris, L. A. 1969. Flathead catfish investigations in the Missouri River. Nebraska Game and Parks Commission. Project No. F-4-R-14. Job Progress Report No. 23.
529. Morris, L. A., R. N. Langemeier, and A. Witt Jr. 1970. The flathead catfish in unchannelized and channelized Missouri River, Nebraska. U.S. Fish and Wildlife Service, Missouri Department of Conservation, and Nebraska Game, Fish and Parks Service. Dingell-Johnson Project F-4-R.
530. Moyle, John B. and William D. Clothier. 1959. Effects of management and winter oxygen levels on the fish population of a prairie lake. *Transactions of the American Fisheries Society* 88(3): 178-185.
- Relationship between game and rough fish relative to management and dissolved oxygen in Lake Traverse.
531. Murphy, Brian R., Michael L. Brown, and Timothy A. Springer. 1990. Evaluation of the relative weight (W_r) index, with new applications to walleye. *North American Journal of Fisheries Management* 10(1): 85-97.
- The use of RLP in developing W_r to increase efficiency of W_r in management of walleye.
532. Murphy, Brian R. and David W. Willis. 1991. Application of relative weight (W_r) to western warmwater fisheries. Pages 243-248 *in* Warmwater fisheries symposium. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado.
- Discusses W_r application, from a management perspective based on a survey of 24 states west of the Mississippi River.
533. Murphy, Brian R., David W. Willis, and Timothy A. Springer. 1991. The relative weight index in fisheries management: status and needs. *Fisheries* 16(2): 30-38.
- Discusses increased use of W_r and a need to standardize equations for condition indexes.
534. Mustaparta, George. 1932. Effect of cyanide on trout. B.S. Thesis; South Dakota School of Mines and Technology.
- Effects of different concentrations of cyanide on rainbow trout.
535. Musyl, Michael K. 1983. Age, growth, length-weight relationship, and coefficient of condition of the rainbow smelt, *Osmerus mordax* (Mitchill) from Lake Oahe, South Dakota. M.A. Thesis; University of South Dakota.
- Fish condition from 3 locations in Lake Oahe was similar to other populations.
536. Muth, Robert T. 1979. Ichthyoplankton of the lower James River, South Dakota. M.A. Thesis; University of South Dakota.
- Species composition, relative abundance, seasonal spawning, and diel periodicity of the lower James River fish population.
537. Muth, Robert T. and James C. Schmulbach. 1984. Downstream transport of fish larvae in a shallow prairie river. *Transactions of the American Fisheries Society* 113(2): 224-230.
- Discusses diel movement of over 16 fish species larvae in the lower James River.

538. Neel, Joe K. 1963. Impact of reservoirs. Pages 575-593 *in* Limnology in North America (D. G. Frey, ed). University of Wisconsin Press, Madison.
- Generally discusses dams in South Dakota and their impacts on water quality and biota.
539. Nelson, William R. 1968. Reproduction and early life history of sauger, *Stizostedion canadense*, in Lewis and Clark Lake. Transactions of the American Fisheries Society 97(2): 159-166.
- Water fluctuation effects on year class strength relative to reproduction and life history of the sauger.
540. Nelson, William R. 1969. Biological characteristics of the sauger population in Lewis and Clark Lake. Technical Report No. 21. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.
- Age, growth, sex ratio, fecundity, maturity, and movement of sauger in Lewis and Clark Lake and the Missouri River; contains management suggestions.
541. Nelson, William R. 1974. Age, growth, and maturity of thirteen species of fish from Lake Oahe during the early years of impoundment, 1963-68. Technical Paper No. 77. U.S. Fish and Wildlife Service, Washington, D.C.
- Effects of water level fluctuations on growth rate.
542. Nelson, William R. 1978. Implications of water management in Lake Oahe for the spawning success of coolwater fishes. Pages 154-158 *in* Selected coolwater fishes of North America (R. L. Kendall, ed). American Fisheries Society, Washington, D.C.
- Northern pike, yellow perch, walleye, and sauger spawning habits relative to water level fluctuations are discussed.
543. Nelson, William R. 1980. Ecology of larval fishes in Lake Oahe, South Dakota. Technical Paper No. 101. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.
- Catch composition and distribution, larvae abundance and diet, spawning and nursery habitat, and reproduction and survival of approximately 20 species.
544. Nelson, William R. and Marvin F. Boussu. 1974. Evaluation of trawls for monitoring and harvesting fish populations in Lake Oahe, South Dakota. Technical Paper No. 76. U.S. Fish and Wildlife Service, Washington, D.C.
- Compares trawl design catch, with emphasis on semi-balloon trawl catch relative to year, area, and season.
545. Nelson, William R., Norman R. Hines, and Lance G. Beckman. 1965. Artificial propagation of saugers and hybridization with walleyes. The Progressive Fish-Culturist 27(4): 216-218.
- Broodstock collection and hatchery procedures for walleye and sauger propagation and hybridization.
546. Nelson, William R., D. B. Martin, Lance G. Beckman, D. W. Zimmer, and D. J. Highland. 1978. Prediction of the effect of energy development on the aquatic resources of two upper Missouri River reservoir ecosystems. Pages 89 *in* Report FWS/OBS 0-33-76 and EPA-IA-G-D6-FO79. U.S. Fish and Wildlife Service, Denver, Colorado.

547. Nelson, William R., Richard E. Siefert, and Donald V. Swedberg. 1967. Studies of the early life history of reservoir fishes. Pages 374-385 in Reservoir fishery resources symposium. Reservoir Committee, American Fisheries Society, Southern Division, Washington, D.C.
- Detailed life histories of sauger, white crappie, freshwater drum, and yellow perch in Lakes Francis Case and Lewis and Clark, with emphasis on sampling gear.
548. Nelson, William R. and Charles H. Walburg. 1976. Development of yellow perch, sauger, and walleye stocks in four mainstream Missouri River reservoirs. United States: North Central Reservoir Investigations, U.S. Fish and Wildlife Service.
549. Nelson, William R. and Charles H. Walburg. 1977. Population dynamics of yellow perch (*Perca flavescens*), sauger (*Stizostedion canadense*), and walleye (*S. vitreum vitreum*) in four main stem Missouri River reservoirs. Journal of the Fisheries Research Board of Canada 34: 1748-1763.
- Percid fauna have generally increased in abundance over the 15-25 years but have varied by species.
550. Neumann, Robert M. 1994. Growth, distribution, and movement of northern pike in a South Dakota natural lake, with sampling considerations. Ph.D. Dissertation; South Dakota State University.
- Body length and weight varied by season and sex of fish.
551. Neumann, Robert M. and David W. Willis. 1993. Guide to the common fishes of South Dakota. South Dakota Department of Game, Fish and Parks, Pierre.
- Field guide of all South Dakota fishes: contains pictures, descriptions, habitat, life history information, and distribution maps.
552. Neumann, Robert M. and David W. Willis. 1994. Length distributions of northern pike caught in five gill net mesh sizes. The Prairie Naturalist 26(1): 11-13.
553. Neumann, Robert M. and David W. Willis. 1994. Relative weight as a condition index for muskellunge. Journal of Freshwater Ecology 9(1): 13-18.
- Developed standard weight equations and relative weight values for male and female muskellunge using data from 16 states.
554. Neumann, Robert M. and David W. Willis. 1995. Seasonal variation in gill-net sample indexes for northern pike collected from a glacial prairie lake. North American Journal of Fisheries Management 15(4): 838-844.
- Size structure was highest in winter when females dominated samples and lowest in spring/summer when males dominated samples.
555. Neumann, Robert M. and David W. Willis. 1996. Application of relative weight (W_r) as a tool for assessment of esocid populations. Pages 21-28 in Proceedings of the 1996 warmwater workshop: esocid management and culture (R. Soderberg, ed). American Fisheries Society, Northeast Division, Bethesda, Maryland.
556. Neumann, Robert M., David W. Willis, and Dennis D. Mann. 1994. Evaluation of largemouth bass slot length limits in two small South Dakota impoundments. The Prairie Naturalist 26(1): 15-32.
- Largemouth bass slot limits improved population size structure.

557. Neumann, Robert M., David W. Willis, and Steven M. Sammons. 1994. Seasonal growth of northern pike (*Esox lucius*) in a South Dakota glacial lake. *Journal of Freshwater Ecology* 9(3): 191-196.
- Females lived longer and mean lengths were greater than for males.
558. Newman, Ryan L. 1999. A biological assessment of four northern Black Hills streams and the reproductive success of longnose dace (*Rhinichthys cataractae*). M.S. Thesis; South Dakota State University.
- Habitat and foods were sufficient in major streams for longnose dace reproduction.
559. Newman, Ryan L., Charles R. Berry Jr., and Walter G. Duffy. 1999. A biological assessment of four northern Black Hills streams. *Proceedings of the South Dakota Academy of Science* 78: 185-197.
- Invertebrates may be affected by water quality.
560. Nicholson, A. J. and H. Milton Borges, compilers. 1955. Creel census and expenditure studies, Missouri River basin. Special Scientific Report: Fisheries No. 141. U.S. Department of the Interior; U.S. Fish and Wildlife Service, Washington, D.C.
- Summarizes creel census and fisherman expenditure studies from 1947-1952 in 26 areas of the Missouri River basin.
561. Nickum, John G. 1978. Intensive culture of walleyes: the state of the art. Pages 187-194 *in* Selected coolwater fishes of North America. Robert L. Kendall, editor. Special Publication No. 11. American Fisheries Society, Washington, D.C.
- Control of water temperature and exchange rates produced rapid growth and limited disease.
562. Nickum, John G. and James A. Sinning. 1971. Fishes of the Big Sioux River: an annotated list. *Proceedings of the South Dakota Academy of Science* 50: 143-154.
- Abundance and distribution of 56 fish species listed for the Big Sioux River.
563. Noordsy, Michael L. 2000. The development of the pectoral girdle and fin of the paddlefish. B.S. Thesis; University of South Dakota.
564. North Dakota Game and Fish Department. 1994. Fishes of the Dakotas. North Dakota Game and Fish Department, Bismarck, North Dakota. Northern Prairie Wildlife Research Center, Jamestown, North Dakota. Online: <http://www.npwrc.usgs.gov/resource/fish/dakfish/dakfish.htm> (Version 16JUL97).
- A list of species of concern, rare, or endangered.
565. Olson, Robert E. 1979. Review of North American fish disease control regulations. Pages 10-21 *in* Proceedings from a conference on disease inspection and certification of fish and fish eggs (J. L. Fryer, J. S. Rohovec, E. F. Pulford, R. E. Olson, D. P. Ransom, J. R. Winton, C. N. Lannan, R. P. Hedrick, and W. J. Groberg, eds). Publication No. ORESU-W-79-001. Sea Grant College Program, Oregon State University.
- Includes responses from South Dakota fisheries.
566. Osberg, Bernard L. 1973. A recreational resources utilization study of the Missouri River and adjacent lands extending from Yankton, South Dakota, to Rulo, Nebraska. M.A. Thesis; University of South Dakota.

567. Osadal, LeVerne K. 1931. Determinations of cyanide concentrations. B.S. Thesis; South Dakota School of Mines and Technology.
The grams of cyanide needed to kill a trout.
568. Ossian, Clair R. 1973. Fishes of a Pleistocene lake in South Dakota. Publications of the Museum, Michigan State University Paleontological Series 1: 101-124.
New records of fossil fish in South Dakota.
569. Over, William H. and Edward P. Churchill. 1927. A preliminary report of a biological survey of the lakes of South Dakota. South Dakota Geological Natural History Survey Circular 29: 1-18.
Historic survey of fish in several South Dakota lakes.
570. Owen, John B., Dean S. Elsen, and Gordon W. Russell. 1981. Distribution of fishes in North and South Dakota basins affected by the Garrison Diversion unit. Fisheries Research Unit, University of North Dakota, Grand Forks.
Surveys to assess potential for interbasin transfer of fish species by the project.
571. Owen, John B. and Alice K. Owen. 1995. A bibliography of fisheries biology in North and South Dakota. Northern Prairie Wildlife Research Center, Jamestown, North Dakota. Online: <http://www.npwrc.usgs.gov/resource/fish/fishbibl/fishbibl.htm> (Version 30SEP2002).
Compilation of fish literature for South Dakota.
572. Paukert, Craig P., Phillip J. Chvala, Brian L. Heikes, and Michael L. Brown. 2001. Effects of implanted transmitter size and surgery on survival, growth, and wound healing of bluegill. Transactions of the American Fisheries Society 130(5): 975-980.
573. Paukert, Craig P., Joel A. Klammer, Rodney B. Pierce, and Timothy D. Simonson. 2001. An overview of northern pike regulations in North America. Fisheries 26(6): 6-13.
574. Payer, Ronald D. 1977. Estimate of production by a population of fathead minnows, *Pimephales promelas*, in a South Dakota prairie wetland. M.S. Thesis; South Dakota State University.
Reasons given for low production.
575. Payer, Ronald D. and Charles G. Scalet. 1978. Population and production estimates of fathead minnows in a South Dakota prairie wetland. The Progressive Fish-Culturist 40(2): 63-66.
Reasons offered for low production of fathead minnows in a prairie wetland.
576. Peeters, Paul J. 1978. Evaluation of fish stocking in southeastern South Dakota ponds. M.S. Thesis; South Dakota State University.
Drought and winterkill given as reasons for fish losses.
577. Phelps, Quinton E., Daniel A. Isermann, and David W. Willis. 2003. Influence of hatch timing and daily growth rate on size structure of age-0 largemouth bass cohorts in Enemy Swim Lake, South Dakota. Proceedings of the South Dakota Academy of Science 82: 35-41.
578. Phillips, Glenn R., Patricia A. Medvick, Donald R. Skaar, and Denise E. Knight. 1987. Factors affecting the mobilization, transport, and bioavailability of mercury in reservoirs of the upper Missouri River basin. Technical Report No. 10. U.S. Fish and Wildlife Service, Washington, D.C.

579. Pinosof, John D. 1983. A Jurassic lungfish (Dipnoi: Ceratodontidae) from western South Dakota. *Proceedings of the South Dakota Academy of Science* 62: 75-79.
580. Ploskey, Gene R. 1982. Fluctuating water levels in reservoirs: an annotated bibliography of environmental effects and management of fisheries. Technical Report E-82-5. U.S. Army Corps of Engineers, Engineer Research and Development Center, Waterways Experiment Station, Vicksburg, Mississippi.
581. Ploskey, Gene R. 1983. A review of the effects of water level changes in reservoir fisheries and recommendations for improved management. Technical Report E-83-3. U.S. Army Corps of Engineers, Engineer Research and Development Center, Waterways Experiment Station, Vicksburg, Mississippi.
582. Ploskey, Gene R. 1986. Effects of water-level changes on reservoir ecosystems, with implications for fishery management. Pages 86-97 in *Reservoir fisheries management strategies for the 80s* (G. E. Hall and M. J. Van Den Avyle, eds). Reservoir Committee, Southern Division, American Fisheries Society, Bethesda, Maryland.
- Review of the research on the effects of water-level changes in reservoirs, including those on the Missouri River.
583. Pope, Kevin L. 1996. Factors affecting recruitment of black crappies in South Dakota waters. Ph.D. Dissertation; South Dakota State University.
- Habitat factors in field or laboratory affected reproduction and recruitment of black crappie.
584. Pope, Kevin L., Mark K. Flammang, and David W. Willis. 1996. Influence of size at stocking on survival of saugeye in a northern-latitude impoundment. *Journal of Freshwater Ecology* 11(4): 447-450.
- Stocking larger fish should reduce predation.
585. Pope, Kevin L., Wade T. Geraets, and David W. Willis. 1996. Egg development in a high-density black crappie (*Pomoxis nigromaculatus*) population. *Journal of Freshwater Ecology* 11(4): 451-458.
586. Pope, Kevin L. and David W. Willis. 1994. Changes in the brown trout population in Gary Creek, South Dakota, 1988-1993. *Proceedings of the South Dakota Academy of Science* 73: 51-58.
- Habitat was limiting reproduction and recruitment.
587. Pope, Kevin L. and David W. Willis. 1997. Environmental characteristics of black crappie (*Pomoxis nigromaculatus*) nesting sites in two South Dakota waters. *Ecology of Freshwater Fish* 6(4): 183-189.
- Black crappies nested in most protected areas.
588. Pope, Kevin L. and David W. Willis. 1998. Early life history and recruitment of black crappie (*Pomoxis nigromaculatus*) in two South Dakota waters. *Ecology of Freshwater Fish* 7(2): 56-68.
- Environmental factors affected reproduction and recruitment in both lakes.
589. Pope, Kevin L. and David W. Willis. 1998. Larval black crappie distribution: implications for sampling impoundments and natural lakes. *North American Journal of Fisheries Management* 18(2): 470-474.
- Sampling protocols presented.

590. Pope, Kevin L., David W. Willis, and David O. Lucchesi. 1996. Differential relations of age-0 black crappie and yellow perch to climatological variables in a natural lake. *Journal of Freshwater Ecology* 11(3): 345-350.
- Wind, temperature, and precipitation affected fish abundance.
591. Pope, Kevin L., David W. Willis, and David O. Lucchesi. 1997. Influence of temperature and precipitation on age-0 white bass abundance in two South Dakota natural lakes. *Journal of Freshwater Ecology* 12(4): 599-605.
592. Prettyman, William F. and Russell Van Wilgus. 1933. Effect of cyanide on trout. B.S. Thesis; South Dakota School of Mines and Technology.
- Discusses concentrations in which trout can survive and those that kill. Details concentration mixtures.
593. Price, Russell K. 1973. Toxic effects of sulfhydryl collectors on rainbow trout. M.S. Thesis; South Dakota School of Mines and Technology.
- Discusses lethal concentrations and physiological effects of contact with sulfide mineral collectors.
594. Pyle, Charles R., Shannon J. Fisher, and David W. Willis. 1997. Seasonal diets and growth of saugeye in Lake Goldsmith, South Dakota. *The Prairie Naturalist* 29(2): 119-128.
- Saugeye could replace walleye as the predator in lakes where walleye survival is a concern.
595. Quist, Michael C., Christopher S. Guy, Randall D. Shultz, and James L. Stephen. 2003. Latitudinal comparisons of walleye growth in North America and factors influencing growth of walleyes in Kansas reservoirs. *North American Journal of Fisheries Management* 23: 677-692.
596. Rabeni, Charles F. 1996. Prairie legacies – fish and aquatic resources. Pages 111-124 *in* *Prairie conservation: preserving North America's most endangered ecosystem* (F. B. Samson and F. L. Knopf, eds). Island Press, Washington, D.C.
- Describes fish and their habitats within major vegetation zones in South Dakota.
597. Radant, Randall D. 1975. Food habits of young-of-the-year fishes in Abbey Pond, South Dakota. M.S. Thesis; South Dakota State University.
- Zooplankton, aquatic insects, and forage fish were most consumed as food. Foods eaten varied by species and age groups.
598. Radant, Randall D. and Charles G. Scalet. 1975. Food habits of the young-of-the-year fishes in Abbey Pond, South Dakota. *Proceedings of the South Dakota Academy of Science* 54: 96-119.
- Microcrustaceans and aquatic insects dominated the diet of five fish species.
599. Rahn, Andrew B. 1997. The distribution, ultrastructure, and steroidogenic activity of internal tissue in the paddlefish, *Polyodon spathula*. M.A. Thesis; University of South Dakota.
- Paddlefish had lower capacity to respond to stress than other teleosts.
600. Raisanen, Gregg A. 1982. Survival, growth, food selection, and alimentary canal development of intensively reared walleyes and yellow perch. M.S. Thesis; South Dakota State University.
- Invertebrates from a South Dakota sewage lagoon were adequate as prey for tank-reared fish.

601. Raisanen, Gregg A. and Richard L. Applegate. 1983. Prey selection of walleye fry in an experimental system. *The Progressive Fish-Culturist* 45(4): 209-214.
602. Raisanen, Gregg A. and Richard L. Applegate. 1983. Selection of live food by captive yellow perch larvae. *The Progressive Fish-Culturist* 45(3): 172-174.
603. Repsys, Andrew J. 1972. Food selectivity of the black bullhead (*Ictalurus melas*) (Rafinesque) in Lake Poinsett, South Dakota. M.S. Thesis; South Dakota State University.
- Black bullheads fed mainly on cladocerans and copepods, but diet varied by season.
604. Repsys, Andrew J., Richard L. Applegate, and Donald C. Hales. 1976. Food and food selectivity of the black bullhead, *Ictalurus melas*, in Lake Poinsett, South Dakota. *Journal of the Fisheries Research Board of Canada* 33(4): 768-775.
- Black bullheads were selective planktivores during their life histories.
605. Reynolds, James B. 1966. Factors affecting trap net catches in Oahe reservoir, South Dakota. Ph.D. Thesis; Iowa State University.
- Twenty-seven fish species were caught using four types of gear. Recommendations for gear use are presented.
606. Roberts, Lisa A. and Jay A. Leitch. 1997. Economic valuation of some wetland outputs of Mud Lake, Minnesota-South Dakota. Agricultural Economics Report No. 381. North Dakota Agricultural Experiment Station, North Dakota State University, Fargo.
607. Robins, C. Richard and Edward C. Raney. 1957. Distributional and nomenclature notes on suckers of the genus *Moxostoma*. *Copeia* 2: 154-155.
608. Rod, Tondreau, Jane Hey, and Edward Shane. 1983. Missouri River aquatic ecology studies ten year summary (1972 to 1982) for the Iowa Public Service Company, Sioux City, Iowa. George Neal Units 1-4. Morningside College, Sioux City.
609. Roddy, William A., Earl A. Greene, and Charles L. Sowards. 1991. Reconnaissance investigation of water quality, bottom sediment, and biota associated with irrigation drainage in the Bell Fourche reclamation project, western South Dakota, 1988-1989. Water-Resources Investigations Report No. 90-4192. U.S. Geological Survey, Rapid City, South Dakota.
- Concentrations of seven inorganic elements in fish tissue and water.
610. Roell, Michael J. 1983. Rainbow trout (*Salmo gairdneri*) cage culture and primary production in eastern South Dakota dugout ponds. M.S. Thesis; South Dakota State University.
- Sizeable rainbow trout can be reared in dugout ponds economically.
611. Roell, Michael J., Glenn D. Schuler, and Charles G. Scalet. 1986. Cage-rearing rainbow trout in dugout ponds in eastern South Dakota. *The Progressive Fish-Culturist* 48(4): 273-278.
- Dugout ponds could be used to rear rainbow trout economically.
612. Rosen, Rudolph A. 1976. Distribution, age and growth, and feeding ecology of paddlefish (*Polyodon spathula*) in unaltered Missouri River, South Dakota. M.S. Thesis; South Dakota State University.

613. Rosen, Rudolph A. and Donald C. Hales. 1980. Occurrence of scarred paddlefish in the Missouri River, South Dakota-Nebraska. *The Progressive Fish-Culturist* 42(2): 82-85.
- Presents cause of scars; scarred fish of all sizes were in poorer condition.
614. Rosen, Rudolph A. and Donald C. Hales. 1981. Feeding of paddlefish, *Polyodon spathula*. *Copeia* 2: 441-455.
- Diet was nearly all crustacean zooplankton.
615. Rosen, Rudolph A. and Donald C. Hales. 1982. Occurrence of a blind paddlefish, *Polyodon spathula*. *Copeia* 1: 212-214.
616. Rosen, Rudolph A., Donald C. Hales, and Dennis G. Unkenholz. 1982. Biology and exploitation of paddlefish in the Missouri River below Gavins Point dam. *Transactions of the American Fisheries Society* 111: 216-222.
- Females were heavier than males of similar age; all moved a lot annually.
617. Roush, Dawn K., Craig P. Paukert, and Wayne Stancill. 2001. Distribution and movement of juvenile paddlefish in a mainstem Missouri River reservoir. Pages 206-207 in *Abstracts from the 131st annual meeting of the American Fisheries Society: 2001 - a fisheries odyssey, the journey of science and education continues*. Western Division, American Fisheries Society.
618. Ruelle, Richard. 1971. Factors influencing growth of white bass in Lewis and Clark Lake. Pages 411-423 in *Reservoir fisheries and limnology* (G. E. Hall, ed). Special Publication No. 8. American Fisheries Society, Bethesda, Maryland.
- Best growth occurred in years when forage fish were abundant.
619. Ruelle, Richard. 1977. Reproductive cycle and fecundity of white bass in Lewis and Clark Lake. *Transactions of the American Fisheries Society* 106(1): 67-76.
620. Ruelle, Richard and Patrick L. Hudson. 1977. Paddlefish (*Polyodon spathula*): growth and food of young of the year and a suggested technique for measuring length. *Transactions of the American Fisheries Society* 106(6):609-613.
621. Ruelle, Richard and Kent D. Keenlyne. 1994. The suitability of shovelnose sturgeon as a surrogate for pallid sturgeon. *Proceedings of the South Dakota Academy of Science* 73: 67-81.
- Pros and cons for possible use of shovelnose sturgeon as surrogates.
622. Ruelle, Richard, Ron Koth, and Clifton Stone. 1993. Contaminants, fish, and hydrology of the Missouri River and western tributaries, South Dakota. Pages 449-480 in *Proceedings of the symposium on restoration planning for the rivers of the Mississippi River ecosystem* (L. W. Hesse, C. B. Stalnaker, N. G. Benson, and J. R. Zuboy, eds). U.S. Department of the Interior, National Biological Survey, Washington, D.C.
623. Ruelle, Richard, Ron Koth, and Clifton Stone. 1993. Contaminants, fish, and hydrology of the Missouri River and western tributaries, South Dakota. U.S. Fish and Wildlife Services, Ecological Services, South Dakota Field Office, Pierre. Pages 449-480.

624. Russell, Thomas R. 1986. Biology and life history of the paddlefish – a review. Pages 2-20 in *The paddlefish: status, management and propagation* (J. G. Dillard, L. K. Graham, and T. R. Russell, eds). Special Publication No. 7. American Fisheries Society, North Central Division, Bethesda, Maryland.
- Includes data from South Dakota.
625. Saffel, Patrick D., Christopher S. Guy, and David W. Willis. 1990. Population structure of largemouth bass and black bullheads in South Dakota ponds. *The Prairie Naturalist* 22(2): 113-118.
626. Sammons, Steven M. 1993. Annual food habits of northern pike in an eastern South Dakota natural lake. M.S. Thesis; South Dakota State University.
627. Sammons, Steven M., Charles G. Scalet, and Robert M. Neumann. 1994. Seasonal and size-related changes in the diet of northern pike from a shallow prairie lake. *Journal of Freshwater Ecology* 9(4): 321-329.
- Prey were smaller and varied by fish size and season.
628. Sando, Steven K., Joyce E. Williamson, Kimberly K. Dickerson, and Edwin A. Wesolowski. 2001. Irrigation drainage studies of the Angostura reclamation unit and the Belle Fourche reclamation project, western South Dakota: results of 1994 sampling and comparisons with 1988 data. Water Resources Investigations Report No. 01-4103. U.S. Geological Survey.
- Concentrations of major ions in the water and fish tissue in comparison to national irrigation water quality.
629. Scalet, Charles G. 1979. *Endangered and threatened fishes of South Dakota*. South Dakota Cooperative Extension Service, South Dakota State University, Brookings.
630. Schmidt, Bruce R. 1975. Results and evaluation of an aerial creel survey technique on Lake Sharpe, South Dakota. M.S. Thesis; South Dakota State University.
- Aerial creel surveys required less labor and produced adequate estimates of fishing pressure.
631. Schmulbach, James C. 1974. An ecological study of the Missouri River prior to channelization. Completion Report B-024-SDAK. Water Resources Institute, South Dakota State University, Brookings.
- Results of several studies on fish.
632. Schmulbach, James C. and Patrick J. Braaten. 1993. The Vermillion River: neither red nor dead. Pages 57-69 in *Proceedings of the symposium on restoration planning for the rivers of the Mississippi River ecosystem* (L. W. Hesse, C. B. Stalnaker, N. G. Benson, and J. R. Zuboy, eds). U.S. Department of the Interior, National Biological Survey.
- Despite environmental changes the fish fauna of the Vermillion River were stable for 35 years.
633. Schmulbach, James C., Glen Gould, and Calvin L. Groen. 1975. Relative abundance and distribution of fishes in the Missouri River, Gavins Point dam to Rulo, Nebraska. *Proceedings South Dakota Academy of Sciences* 54: 194-222.
- Discusses abundance of fish relative to habitat. Lists 50 species from the channelized and unchannelized areas.

634. Schmulbach, James C., Larry W. Hesse, and Jane E. Bush. 1992. The Missouri River - Great Plains thread of life. Pages 137-158 in *Water quality in North American river systems* (C. D. Becker and D. A. Neitzel, eds). Batelle Press, Columbus, Ohio.
- Discusses basic river characteristics, biota, and concentrates on the effects of pollution.
635. Schmulbach, James C., J. J. Schuckman, and D. R. Huff. 1981. An ichthyofaunal survey of the middle and upper James River, South Dakota, with emphasis on gizzard shad distribution. Mimeo. Report to the Water and Power Resources Service, Bismarck, North Dakota.
636. Schmulbach, James C., David H. Tunink, and Ann E. Zittel. 1979. Swimming performance of Missouri River fishes. *Proceedings of the North Dakota Academy of Science* 38: 55.
- Based on lab studies, all 17 species could sustain in Missouri River flows.
637. Schmulbach, James C., David H. Tunink, and Ann E. Zittel. 1981. Swimming performance of fishes endemic to the Missouri River in South Dakota. Publication No. FWS/OBS 81, Washington, D.C.
638. Scholten, George D., Daniel A. Isermann, and David W. Willis. 2001. Simulated effects of angler harvest on an unexploited South Dakota yellow perch populations. *Proceedings of the South Dakota Academy of Science* 80: 33-37.
- Harvest rates above 35% would likely affect perch populations if natural mortality remained constant.
639. Scholten, George D., Daniel A. Isermann, and David W. Willis. 2002. Retention and survival rates associated with the use of t-bar anchor tags in marking yellow perch. *Proceedings of the South Dakota Academy of Science* 81: 35-38.
- Tag retention high, mortality low.
640. Schuckman, Jeffrey J. 1982. Population estimates of shovelnose sturgeon (*Scaphirhynchus platyrhynchus*) in the unchannelized Missouri River. M.A. Thesis; University of South Dakota.
- Shovelnose sturgeon were abundant in this river reach, densities were similar for 12-13 years.
641. Schuler, Glenn D. 1984. Rainbow trout cage culture and benthic production in east-central South Dakota dugouts. M.S. Thesis; South Dakota State University.
- Cage reared trout were too small for commercial use but acceptable for consumption.
642. Schultz, Douglas W., Daniel A. Isermann, and David W. Willis. 2003. Hatching dates and daily growth of age-0 black crappies in Pickeral Lake, South Dakota. *Proceeding of the South Dakota Academy of Science* 82: 153-160.
643. Selch Trevor M. 2004. The cost of capturing prey: measuring largemouth bass foraging activity using glycolytic enzymes (lactose dehydrogenase). M.S. Thesis; South Dakota State University.
- Laboratory experiments show that bass growth declines with increase in vegetation.
644. Sewell, Deborah C. 1993. Food habits and distribution of the emerald shiner, *Notropis atherinoides* (Rafinesque), and the spottail shiner, *Notropis hudsonius* (Clinton), in Lake Oahe, South Dakota. M.S. Thesis; South Dakota State University.
- Catch rate, age and length, diet, distribution, and importance of the two minnow species. Shows similarities and differences.

645. Sewell, Russell W. 1989. Floral and faunal colonization of restored wetlands in west-central Minnesota and northeastern South Dakota. M.S. Thesis; South Dakota State University.
- Four species of fish used restored natural wetlands.
646. Sharps, Jon C. and Ted A. Benzon. 1984. A compiled list of South Dakota wildlife. South Dakota Department of Game, Fish and Parks, Rapid City.
- Lists 100 fish species for South Dakota waters and provides state status.
647. Shearer, Jeffrey S. 2001. Temporal change in fish communities and modification of the index of biotic integrity for the James River of the Dakotas. M.S. Thesis; South Dakota State University.
- Fish species richness was stable for about 20 years but differed by wet and dry periods.
648. Shearer, Jeffrey S. and Charles R. Berry Jr. 2002. Index of biotic integrity utility for the fishery of the James River of the Dakotas. *Journal of Freshwater Ecology* 17(4): 575-588.
649. Shearer, Jeffrey S. and Charles R. Berry Jr. 2003. Fish community persistence in eastern North and South Dakota rivers. *Great Plains Research* 13: 139-159.
- Fish fauna can be used for biomonitoring prairie streams but vary in wet and dry periods.
650. Shelley, James J. 1981. Initial growth and survival of bluegills and black bullheads stocked with largemouth bass in South Dakota ponds. M.S. Thesis; South Dakota State University.
651. Shelley, James J. and Timothy C. Modde. 1982. First-year growth and survival of bluegill and black bullhead stocked with largemouth bass in South Dakota ponds. *The Progressive Fish-Culturist* 44(3): 158-160.
- Statewide evaluation; suggested stocking rates given.
652. Shields, James T. 1957. Experimental control of carp reproduction through water drawdowns in Fort Randall reservoir, South Dakota. *Transactions of the American Fisheries Society* 87: 23-33.
- Water drawdowns appeared effective in reducing carp reproduction.
653. Shields, James T. 1957. Fish management problems of large impoundments on the Missouri River. *Transactions of the American Fisheries Society* 87: 356-362.
- Describes potential problems of fisheries on the river and the need for more research.
654. Siefert, Richard E. 1968. Reproductive behavior, incubation and mortality of eggs and postlarval food selection in the white crappie. *Transactions of the American Fisheries Society* 97(3): 252-259.
655. Siefert, Richard E. 1969. Biology of the white crappie in Lewis and Clark Lake. Technical Paper No. 22. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.
- Reproduction occurred in protected areas; young fish fed on zooplankton.
656. Siefert, Richard E. 1969. Characteristics for separation of white and black crappie larvae. *Transactions of the American Fisheries Society* 98(2): 326-328.
- Larvae could be separated by species if over 5 mm long.

657. Simon, David C. 1990. Evaluation of diploid and triploid rainbow trout in South Dakota ponds. M.S. Thesis; South Dakota State University.
Use of triploid trout in South Dakota ponds was not justified to achieve more growth.
658. Simon, David C., Charles G. Scalet, and Jeff C. Dillon. 1993. Field performance of triploid and diploid rainbow trout in South Dakota ponds. *North American Journal of Fisheries Management* 13(1): 134-140.
Triploid trout were not justified for more growth in South Dakota ponds.
659. Sinning, James A. 1968. Fishes of the Big Sioux River. M.S. Thesis; South Dakota State University.
Fish fauna were surveyed with various methods and water quality was assessed.
660. Sipiorski, Justin T. 2000. Neurotransmitter activity in the fore- and hindbrain of the pallid sturgeon (*Scaphirhynchus albus*) following acute and chronic stress. M.S. Thesis; University of South Dakota.
661. Slipke, Jeffrey W. 1996. Limnology of Shadehill reservoir, South Dakota, and food habit analysis of its walleye fishery. M.S. Thesis; South Dakota State University.
Walleye foraged on white bass young and aquatic invertebrates.
662. Slipke, Jeffrey W. and Walter G. Duffy. 1997. Food habits of walleye in Shadehill reservoir, South Dakota. *Journal of Freshwater Ecology* 12(1): 11-17.
White bass were very important to walleye as prey, followed by aquatic dipterans.
663. Smith, C. Lavett. 1961. An Ictalurid catfish, *Ictalurus decorus* (Hay), from the miocene of South Dakota. *Journal of Paleontology* 35(5): 923-926.
664. Smith, George A. 1929. Food of certain minnows of South Dakota. M.A. Thesis; University of South Dakota.
Minnows were selective foragers and digested animal matter better than vegetation.
665. Smith, Harold A. 1931. A comparison of the alimentary canals of certain fish. M.A. Thesis; University of South Dakota.
Relates length of alimentary canal and diet in 17 fish species.
666. Smith, Kevin A. 2000. Factors influencing rainbow smelt entrainment through Oahe dam, South Dakota. M.S. Thesis; South Dakota State University.
The use of strobe lights may be the best means of avoiding entrainment of rainbow smelt in Oahe reservoir.
667. Smith, Kevin A. and Michael L Brown. 2002. Seasonal composition and abundance of ichthyoplankton entrained through Big Bend dam, South Dakota. *Journal of Freshwater Ecology* 17(2): 199-207.
Average daily losses due to entrainment estimated at Big Bend Dam.
668. Soupir, Craig A., Brain G. Blackwell, and Michael L. Brown. 1997. Relative precision among calcified structures for white bass age and growth assessment. *Journal of Freshwater Ecology* 12(4): 531-538.

669. Sowards, Charles L. and Steven J. Maxwell, compilers. 1985. Missouri River bibliography. SD-IR-86-02. U.S. Department of the Interior, Fish and Wildlife Service, Pierre, South Dakota.
- Includes articles on fish fauna.
670. Sport Fishing Institute. 1976. Dakota angling economics. SFI Bulletin (Sport Fishing Institute): 5-6.
671. Sport Fishing Institute. 1976. Evaluation of planning for fish and wildlife - Lake Sharpe reservoir project, Department of the Army, Washington D.C.
- Creel surveys used to determine angler-use days and success before and after development of Lake Sharpe reservoir. Trout fishery was less than expected despite thousands being stocked in 1964.
672. Stancill, Wayne, George R. Jordan, and Craig P. Paukert. 2002. Seasonal migration patterns and site fidelity of adult paddlefish in Lake Francis Case, Missouri River. North American Journal of Fisheries Management 22(3): 815-824.
- Distribution, migration, and site fidelity of paddlefish determined using ultrasonic telemetry.
673. Stanton, Timothy W. 1925. The fossil content [of Well Log in northern Ziebach County]. South Dakota Geological and Natural History Survey Circular 18: 8-14.
- Includes records of ancient fish in South Dakota.
674. Starostka, Andrew B. 1999. Food habits and diet overlap of age-1 and older walleye and white bass in Lake Poinsett, South Dakota. M.S. Thesis; South Dakota State University.
- Discusses diet overlap of walleye and white bass based on length and season.
675. Starostka, Victor J. 1969. Food selectivity of bigmouth buffalo (*Ictiobus cyprinellus*) (Valenciennes) in Lake Poinsett, South Dakota. M.S. Thesis; South Dakota State University.
- Discusses selection of zooplankton and other food habits relative to bigmouth buffalo age and season.
676. Starostka, Victor J. and Richard L. Applegate. 1970. Food selectivity of bigmouth buffalo, *Ictiobus cyprinellus*, in Lake Poinsett, South Dakota. Transactions of the American Fisheries Society 99(3): 571-576.
- Discusses changes in primary prey relative to age.
677. Starostka, Victor J. and William R. Nelson. 1974. Age, growth, sexual maturity, and food of channel catfish in central Lake Oahe, 1968-69. Technical Paper No. 81. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.
- Relationship between age, growth, and food habits of the channel catfish with reference to pre-impoundment.
678. Stastny, Wayne M. 1994. Bionomics of paddlefish (*Polyodon spathula*) in the Missouri River between Fort Randall and Gavins Point dams. M.A. Thesis; University of South Dakota.
- Discusses whether or not a paddlefish fishery should be reintroduced.
679. Stegge, James H. 1996. Evaluation of the diets of green and orangespotted sunfish in Clay Creek ditch and the Vermillion River, South Dakota. M.A. Thesis; University of South Dakota.
- Discusses and compares the diet and prey selectivity of the green and orangespotted sunfish.

680. Steinle, Nathan, Michelle Sulzbach, Brett Theeler, and Charles Lamb. 1999. Vagal lobe structure in different species of catostomid fishes. *Proceedings of the South Dakota Academy of Science* 78: 253.
- Five fish species examined, with inference to differences due to evolution and ecology.
681. Steinwand, Terry. 1988. Interbasin transfer of fishes in the prairie region and its impact on fisheries. Pages 13-22 *in* *Fishery Resources of the Plains: Utilization and Management*. Fifth Biennial Plains Aquatic Research Conference: proceedings (Canadian plains proceedings). Winnipeg, Manitoba.
682. Stephenson, Hans, Mark Gabel, and Michael E. Barnes. 2003. Microbial inhibition in response to treatments of hydrogen peroxide and formalin on landlocked fall Chinook salmon eyed eggs, as determined by scanning electron microscopy. *North American Journal of Aquaculture* 65: 324-329.
- Eggs receiving chemical treatments had lower fungal growth and higher survival rates.
683. Stetler, Larry D. and Heidi L. Sieverding. 2001. Environmental controls on fish spawning habitat in Spearfish Creek, Black Hills, South Dakota. *Proceedings of the South Dakota Academy of Science* 80: 109-117.
- Interactions between ground and surface waters, algae, and temperature changes affecting trout spawning habitat.
684. Stewart, J. D. and James E. Martin. 1993. Late Cretaceous Selachians and associated marine vertebrates from the Dakota Rose Granite Quarry, Grant County, South Dakota. *Proceedings of the South Dakota Academy of Science* 72: 241.
685. Stone, Clifton C. 1981. Growth and survival of largemouth bass in newly stocked South Dakota impoundments. M.S. Thesis; South Dakota State University.
- Five stocking combinations were evaluated in 80 stock ponds across South Dakota to determine growth and survival rates.
686. Stone, Clifton C. and John Lott. 2002. Use of a minimum length limit to manage walleye in Lake Francis Case, South Dakota. *North American Journal of Fisheries Management* 22(3): 975-984.
- Discusses the effects of implementing length regulations on recruitment and structure on of walleye populations.
687. Stone, Clifton C. and Timothy C. Modde. 1982. Growth and survival of largemouth bass in newly stocked South Dakota ponds. *North American Journal of Fisheries Management* 2(4): 326-333.
- Evaluated five stocking combinations of largemouth bass in small stock ponds across South Dakota.
688. Stukel, Eileen Dowd and Douglas C. Backlund. 1997. Animal species monitored by the South Dakota Natural Heritage Program. *The Prairie Naturalist* 29(3):179-213.
- Lists 17 species for South Dakota, includes distribution, status (state and federal), and rank (state and national).
689. Stukel, Sam M. 2003. Assessing the sustainability of fish communities in glacial lakes: habitat inventories and relationships between lake attributes and fish communities. M.S. Thesis; South Dakota State University.
- Habitat inventory of 15 lakes in eastern South Dakota, contains habitat maps developed with GIS.

690. Sundstrom, Linea. 1995-1996. A moveable feast: 10,000 years of food acquisition in the Black Hills. South Dakota Archeology 19 and 20: 16-69.
- Describes historic uses of fish in South Dakota.
691. Swanson, Allan. 1971-1975. Fish shelters in Lake Poinsett, South Dakota. Cooperative Fishery Unit, Brookings, South Dakota.
692. Swedberg, Donald V. 1965. Age and rate of growth of freshwater drum, Lewis and Clark Lake, Missouri River. Proceedings of the South Dakota Academy of Science 44: 160-168.
- Age, rate of growth, and length -weight relationships based on ~ 9,500 specimens and 3 collection years.
693. Swedberg, Donald V. 1968. Food and growth of the freshwater drum in Lewis and Clark Lake, South Dakota. Transactions of the American Fisheries Society 97(4): 442-447.
- Food habits relative to age and diurnal period and growth of freshwater drum in Lewis and Clark Lake.
694. Swedberg, Donald V. and Charles H. Walburg. 1970. Spawning and early life history of the freshwater drum in Lewis and Clark Lake, Missouri River. Transactions of the American Fisheries Society 99(3): 560-570.
- Study of life history to determine factors affecting year-class strength.
695. Sylvester, Ryan M. 2004. Upper Missouri River basin aquatic GAP fish distribution model accuracy assessment and white sucker, *Catostomus commersonii*, population characteristics in the upper Missouri River basin. M.S. Thesis; South Dakota State University.
696. Thorn, William C. 1969. Fish populations of two small impoundments in northeastern South Dakota. M.S. Thesis; South Dakota State University.
- Population dynamics, standing crop, age, growth, and condition for 13 species.
697. Thorn, William C. and Victor J. Starostka. 1969. The yellow bullhead in two small impoundments in northeastern South Dakota. Proceedings of the South Dakota Academy of Science 48: 148-150.
- First documentation of yellow bullhead in South Dakota, contains description of habitat.
698. Thorpe, John E. 1977. Morphology, physiology, behavior, and ecology of *Perca fluviatilis* L. and *P. flavescens* Mitchill. Journal of the Fisheries Research Board of Canada 34: 1504-1514.
- Synthesis of literature, contains information from Lake Francis Case and Lake Oahe yellow perch research.
699. Timken, Richard L. and Bertin W. Anderson. 1969. Food habits of common mergansers in the north central United States. Journal of Wildlife Management 33(134):87-91.
- Gizzard shad, freshwater drum, and white bass were the most common prey.
700. Tol, Dennis. 1976. An evaluation of the fishery resource in a portion of the James River, South Dakota, scheduled for channel modification. M.S. Thesis; South Dakota State University.
- Habitat, food base, and fish community attributes of 22 fish species.

701. Tunink, David H. 1977. The swimming performance of fishes endemic to the middle Missouri River. M.A. Thesis; University of South Dakota.

Critical velocities and swimming performance of nine fish species in the unchannelized portion of the Missouri River.
702. U.S. Army Corps of Engineers. 1974. Draft environmental impact statement for the Missouri mainstem system. U.S. Army Corps of Engineers, Missouri River Division, Omaha, Nebraska.
703. U.S. Bureau of Sport Fisheries and Wildlife. 1964. List of reports issued by Missouri River basin studies, 1945-1963. U.S. Bureau of Sport Fisheries and Wildlife, Billings, Montana.

Several reports (1945-1963) refer to fisheries resources in South Dakota.
704. U.S. Fish and Wildlife Service. 1950. Reservoir fishery investigations for summer 1949, Deerfield reservoir, South Dakota. Missouri River Basin Studies, U.S. Fish and Wildlife Service, Billings, Montana.
705. U.S. Fish and Wildlife Service. 1951. A two-year creel census, Deerfield reservoir, South Dakota, 1949-1950. Missouri River Basin Studies, U.S. Fish and Wildlife Service, Billings, Montana.
706. U.S. Fish and Wildlife Service. 1953. Distribution and status of important fish and wildlife, Missouri River basin, 1952. Missouri River Basin Studies, U.S. Fish and Wildlife Service, Billings, Montana.

Fish fauna in South Dakota are included in this report and related to water quality and temperature, winterkill.
707. U.S. Fish and Wildlife Service. 1970. A report on fish and wildlife resources of the Big Sioux River basin, Iowa, Minnesota, and South Dakota. U.S. Fish and Wildlife Service, Twin Cities, Minnesota.

Describes sport and commercial fishing pressure in the river basin, habitats, and land ownership.
708. U.S. Fish and Wildlife Service. 1992. Rough fish monitoring on Arrowwood and Sand Lake National Wildlife Refuges in 1992. North Dakota State Office, U.S. Fish and Wildlife Service, Bismarck, North Dakota.

Carp and bigmouth buffalo dominated the fish fauna at Sand Lake National Wildlife Refuge, South Dakota.
709. U.S. Fish and Wildlife Service and South Dakota Department of Game, Fish and Parks. 2002. Final environmental assessment for the rehabilitation of Lake Henry through reconstruction of the Lake Henry dam.

Discusses survey of Dawson's Creek prior to Lake Henry dam reconstruction.
710. Underhill, James C. 1959. Fishes of the Vermillion River, South Dakota. Proceedings of the South Dakota Academy of Sciences 38: 96-102.

Lists 28 fish species found in the Vermillion River, their approximate locations, and abundances.
711. Underhill, James C. 1960. Variation in the red shiner, *Notropis lutrensis* (Baird and Girard). Proceedings of the Minnesota Academy of Science 28: 78-80.

Few anatomy characters differed between the Vermillion River and Missouri River samples.

712. Unkenholz, Dennis G. 1971. Food habits of black crappies, white crappies, yellow perch, and white suckers in a small impoundment in northeastern South Dakota. M.S. Thesis; South Dakota State University.
- Crappies and yellow perch had similar diets of aquatic insects and small fish, whereas white suckers consumed zooplankton.
713. Unkenholz, Dennis G. 1986. Effects of dams and other habitat alterations on paddlefish sport fisheries. Pages 54-61 *in* The paddlefish: status, management, and propagation (J. G. Dillard, L. K. Graham, and T. R. Russell, eds). Special Publication No. 7. American Fisheries Society; North Central Division, Bethesda, Maryland.
- Dams affected movements and spawning habitats of paddlefish.
714. Unkenholz, Dennis G. and J. G. Nickum. 1971. Limnology of Labolt Pond. Proceedings of the South Dakota Academy of Science 50: 175-190.
- Available forage, water quality, and fish abundance is presented.
715. Unkenholz, Eric G. 1998. Entrainment of rainbow smelt through Oahe dam, South Dakota. M.S. Thesis; South Dakota State University.
- Smelt abundance varied by season, time of day, and water depth.
716. Unkenholz, Eric G., Michael L. Brown, and Kevin L. Pope. 1997. Oxytetracycline marking efficacy for yellow perch fingerlings and temporal assays of tissue residues. *The Progressive Fish-Culturist* 59(4): 280-284.
717. Van Zee, Brian E. 1996. Assessment of walleye, sauger, and black bass populations in Lewis and Clark Lake, South Dakota. M.S. Thesis; South Dakota State University.
- Detection of fish species by morphological attributes was unreliable; growth rate varied by age.
718. Van Zee, Brian E., Neil Billington, and David W. Willis. 1996. Morphological and electrophoretic examination of *Stizostedion* samples from Lewis and Clark Lake, South Dakota. *Journal of Freshwater Ecology* 11(3): 339-344.
- Morphological attributes were unreliable for separating species.
719. Van Zee, Brian E., Christopher S. Guy, and David W. Willis. 1994. Electrofishing injury rates for largemouth bass, smallmouth bass, and bluegills collected with pulsed DC and high output, pulsed AC. *Proceedings of the South Dakota Academy of Science* 73: 43-50.
720. Van Zee, Brian E. and Charles G. Scalet. 1997. Range extension of the grass pickerel into South Dakota. *The Prairie Naturalist* 29(4): 277-278.
721. Van Zee, Brian E. and David W. Willis. 1996. Comparison of diel sampling data for sauger collected by electrofishing. *Journal of Freshwater Ecology* 11(2): 139-143.
- Size structure was higher during daytime.
722. Vandel, George and Randy Kreil. (No Date) Rare fishes in the Dakotas, an annotated list. South Dakota Department of Game, Fish and Parks, Pierre; North Dakota Game and Fish Department, Bismarck.

723. Vanderpuye, Chief J. 1968. Age and growth of black crappie, *Pomoxis nigromaculatus* (LeSueur), in Lewis and Clark Lake, Missouri River. M.S. Thesis, Iowa State University.
Young-of-the-year food habits are discussed.
724. Vanderpuye, Chief J. and Kenneth D. Carlander. 1971. Age, growth, and condition of black crappie, *Pomoxis nigromaculatus* (Lesueur), in Lewis and Clark Lake, South Dakota, 1954 to 1967. Iowa State Journal of Science 45(4): 541-555.
725. Vanicek, Charles D. 1963. Life history studies of the sauger, *Stizostedion canadense* (Smith), in Gavins Point reservoir. M.S. Thesis; Iowa State University.
Sauger fed mostly on gizzard shad; growth was faster in the reservoir than in the river.
726. Vanicek, Charles D. 1964. Age and growth of sauger, *Stizostedion canadense* (Smith), in Lewis and Clark Lake. Iowa State Journal of Science 38(4): 481-502.
Sauger fed mostly on gizzard shad; growth was faster in the reservoir than in the river.
727. Vasamsetti, Ramakrishnaraju. 2003. Hydraulic modeling to characterize brown trout habitat in Rapid Creek. M.S. Thesis; South Dakota School of Mines and Technology.
728. Vatturi, Sucharitha. 2003. Characterization of physical habitat in an urban trout stream using GIS techniques. M.S. Thesis; South Dakota School of Mines and Technology.
729. Vierling, Kerri T. and Peter R. Nelson. 2001. Brown trout diet variation along an urbanized gradient. Proceedings of the South Dakota Academy of Science 80: 381.
730. Vodehnal, William L. 1982. Rainbow trout production and water quality in eastern South Dakota dugouts. M.S. Thesis; South Dakota State University.
Optimal stocking density was not determined.
731. Vogel, David A. and Fred C. June. 1987. Biology of the yellow perch in Lake Sharpe, South Dakota, 1964-1975. Limnological and fishery studies on Lake Sharpe, a main-stem Missouri River reservoir, 1964-1975 (F. C. June, et al, eds). Technical Report No. 8. U.S. Fish and Wildlife Service, Washington, D.C.
Production of yellow perch declined over time in the reservoir due to changes in environment.
732. Wagers, Bob and Dave LaBomascus. 1986. Pond culture. South Dakota Conservation Digest 52(2): 20-23.
Describes habitats and hatchery fish for stocking ponds.
733. Wahl, James R. 1981. Forage fish populations and growth of muskellunge in a South Dakota power plant cooling reservoir. M.S. Thesis; South Dakota State University.
Growth rates in the power plant cooling reservoir exceeded other sites in North America.
734. Wahl, James R. and Richard L. Applegate. 1981. Growth of muskellunge in a power plant cooling reservoir. The Progressive Fish-Culturist 43(1): 15-16.
735. Wahl, James R. and Richard L. Applegate. 1981. Species composition and standing crop of fishes in Big Stone Power Plant cooling reservoir, South Dakota. Proceedings of the South Dakota Academy of Science 60: 79-82.

736. Walburg, Charles H. 1964. Fish population studies, Lewis and Clark Lake, Missouri River, 1956 to 1962. U.S. Fish and Wildlife Service, Special Scientific Report Fisheries No. 482, Washington, D.C.
- Fish assessments covered the first 7 years of water in the reservoir.
737. Walburg, Charles H. 1969. Fish sampling and estimation of relative abundance in Lewis and Clark Lake. Technical Papers of the U.S. Bureau of Sport Fisheries and Wildlife 18: 3-15.
- Fish species caught varied by gear used and fish age.
738. Walburg, Charles H. 1971. Loss of young fish in reservoir discharge and year-class survival, Lewis and Clark Lake, Missouri River. Pages 441-448 *in* Reservoir fisheries and limnology (G. E. Hall, ed). Special Publication No. 8. American Fisheries Society, Washington, D.C.
- Fish fauna losses relative to water discharges (flushing) are assessed.
739. Walburg, Charles H. 1972. Some factors associated with fluctuations in year-class strength of sauger, Lewis and Clark Lake, South Dakota. Transactions of the American Fisheries Society 101(2): 311-316.
- Discusses water level fluctuations, temperatures, and exchange rate affecting year class strength.
740. Walburg, Charles H. 1975. Food of young-of-the-year channel catfish in Lewis and Clark Lake, a Missouri River reservoir. The American Midland Naturalist 93(1): 218-221.
- Zooplankton and aquatic insects dominated young-of-the-year channel catfish diets.
741. Walburg, Charles H. 1976. Changes in the fish population of Lewis and Clark Lake, 1956-74, and their relation to water management and the environment. U.S. Fish and Wildlife Service Research Report No. 79, Washington, D.C.
742. Walburg, Charles H. 1977. Lake Francis Case, a Missouri River reservoir: changes in the fish population in 1954-1975, and suggestions for management. Technical Paper No. 95. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.
- Effects of water level fluctuations on fish abundance and reproduction.
743. Walburg, Charles H. 1984. Rise in Lewis and Clark Lake pool elevation and impact on the fish population. Contract Report to Omaha District, U.S. Army Corps of Engineers.
744. Walburg, Charles H., Gerald L. Kaiser, and Patrick L. Hudson. 1971. Lewis and Clark Lake tailwater biota and some relations of the tailwater and reservoir fish populations. Pages 449-467 *in* Reservoir fisheries and limnology (G.E. Hall, ed). Special Publication No. 8. American Fisheries Society, Washington, D.C.
- Relates fish populations below Lewis and Clark dam to food availability, spawning actives, and temperature.
745. Walburg, Charles H. and William R. Nelson 1966. Carp, river carpsucker, smallmouth buffalo, and bigmouth buffalo in Lewis and Clark Lake, Missouri River. Research Report No. 69. Bureau of Sport Fisheries and Wildlife, Washington D.C.
- Provides data on food habits, length-weight relationships, reproduction, growth, and length/age composition.

746. Walburg, Charles H., Jerry F. Novotny, Kenneth E. Jacobs, William D. Swink, Terry M. Campbell, John Nestler, and Gary E. Saul. 1981. Effects of reservoir releases on tailwater ecology: a literature review. Technical Report E-81-12. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi.
- Intensive review of 12 families of fish food habits, age/growth, habitat, and reproduction related to the effects of reservoir release.
747. Walker, Ronne E. 1975. Food habits, growth, and production of young-of-the-year walleyes, *Stizostedion vitreum vitreum* (Mitchill), in a South Dakota pond. M.S. Thesis; South Dakota State University.
- Three-month study of growth and food habits of walleye fingerlings in a shallow impoundment; discusses removal methods.
748. Walker, Ronne E. and Richard L. Applegate. 1976. Growth, food, and possible ecological effects of young-of-the-year walleyes in a South Dakota prairie pothole. *The Progressive Fish-Culturist* 38(4): 217-220.
- Food, growth, and predation of fathead minnows by walleye in a small impoundment.
749. Wall, Steven S., and Charles R. Berry Jr. 2004. Road culverts across streams with the endangered Topeka Shiner, *Notropis topeka*, in the James, Vermillion, and Big Sioux River Basins. *Proceedings of the South Dakota Academy of Science* 83: 125-35.
- Measured habitat suitability of culverts in streams with Topeka Shiners to determine maintenance priority of road crossings.
750. Wall, Steven S. and Charles R. Berry Jr. 2004. Threatened fishes of the world: *Notropis topeka* (Gilbert), 1884 (Cyprinidae). *Environmental Biology of Fishes* 70: 246.
- Identifying features, distribution, habitat, ecology, reproduction, threats, conservation actions, and recommendations.
751. Wall, Steven S., Charles R. Berry Jr., Carmen M. Blausey, Jonathan A. Jenks, and Chad J. Kopplin. 2004. Fish-habitat modeling for gap analysis to conserve the endangered Topeka shiner (*Notropis topeka*). *Canadian Journal of Fisheries and Aquatic Sciences* 61: 954-973.
752. Walsh, Richard J. 1992. Differences in fish abundance among habitat types in a warmwater stream; the James River, South Dakota. M.S. Thesis; South Dakota State University.
- Describes where certain species of fish are found within a prairie river.
753. Walter, Carl M., Harold G. Brown, and C. P. Hensley. 1974. Distribution of total mercury in the fishes of Lake Oahe. *Water Research* 8(7): 413-418.
754. Walter, Carl M., Fred C. June, and Harold G. Brown. 1973. Mercury in fish, sediments, and water in Lake Oahe, South Dakota. *Journal of the Water Pollution Control Federation* 45(10): 1-19.
- Historic information on the severity of mercury levels of fish populations in Lake Oahe.
755. Walter, Dray D. 2000. Food habits of walleye and saugeye when stocked as secondary predators into small South Dakota impoundments. M.S. Thesis; South Dakota State University.
- Extensive knowledge of food and diet of walleye, saugeye, and largemouth bass.

756. Walters, Timothy R. 1986. Dynamics and distribution of fishes occupying a South Dakota power plant cooling reservoir. M.S. Thesis; South Dakota State University.
- Biology of white bass, changes in fish composition since 1980, and seasonal distribution of fish in Big Stone Power Plant cooling reservoir.
757. Waltner, Chantel M. 1988. Electrophoretic, morphometric, and meristic comparisons of walleye broodstock in South Dakota. M.S. Thesis; South Dakota State University.
- Genotypic and phenotypic variations of South Dakota walleye in comparison to Mississippi River walleye.
758. Ward, Matthew J., Marcy R. Anderson, Shannon J. Fisher, Daniel A. Isermann, Quinton E. Phelps, and David W. Willis. 2004. Relations between climatological variables and larval yellow perch abundance in Eastern South Dakota glacial lakes. *Journal of Freshwater Ecology* 19: 213-218.
759. Ward, Matthew J., Daniel A. Isermann, and David W. Willis. 2003. Effects of maternal size on egg and larval characteristics in South Dakota yellow perch populations. *Proceedings of the South Dakota Academy of Science* 82: 243.
760. Warnick, Don C. 1977. Commercial fishing or rough fish control in South Dakota, some views and apparent values. *South Dakota Game, Fish and Parks Bulletin* No. 7.
761. Wedel, Waldo R. 1948. Prehistory and the Missouri Valley development program: summary report on the Missouri River basin archeological survey in 1947. *Smithsonian Miscellaneous Collections Volume* 11(2), Publication 3950. Smithsonian Institution, Washington, D.C.
- Describes artifacts found at 598 sites, five in South Dakota.
762. Weimer, Eric J. 2004. Bluegill seasonal habitat selection, movement, and relationship to angler locations in a South Dakota glacial lake. M.S. Thesis; South Dakota State University.
763. Wellik, Robert D. 1973. The toxicity of potassium ethyl xanthate and potassium amyl xanthane to rainbow trout. M.S. Thesis; South Dakota School of Mines and Technology.
- Documents lethal concentrations and physiological responses to varying concentrations.
764. Wentz, W. Alan. 1985. Endangered and threatened species in South Dakota. South Dakota Cooperative Extension Service, Brookings.
- Lists endangered and threatened species and discusses threats and management needs.
765. Werdon, Selena J. 1991. Population status and characteristics of *Macrhybopsis gelida*, *Platygobio gracilis*, and *Rhinichthys cataractae* in the Missouri River basin. M.S. Thesis; South Dakota State University.
- Information on habitats, age, and growth of the sturgeon chub, flathead chub, and longnose dace.
766. Werdon, Selena J. 1993. Status report on sicklefin chub (*Macrohybopsis meeki*), a candidate endangered species. U.S. Fish and Wildlife Service, Bismarck, North Dakota.
- Geographic distribution, habitat, biology, ecology, management, threats, and recommendations.

768. Wessel, Scott E. 1993. Bionomics of young-of-the-year paddlefish (*Polyodon spathula*) in Lewis and Clark Lake. M.A. Thesis; University of South Dakota.
Feeding habits, prey selection, growth of paddlefish.
769. Wheeler, Gary P. 1979. Catfish cage culture in a South Dakota power plant cooling reservoir. M.S. Thesis; South Dakota State University.
Growth data for channel catfish fed four different feeding treatments in Big Stone Power Plant cooling reservoir.
770. Wickstrom, Gerald A. 1984. Intensive culture of largemouth bass and walleye fry in experimental systems. M.S. Thesis; South Dakota State University.
Largemouth bass were cultured to observe prey selection and growth. Walleye were cultured to monitor growth and survival in three different light intensities.
771. Wickstrom, Gerald A. and Richard L. Applegate. 1989. Growth and food selection of intensively cultured largemouth bass fry. *The Progressive Fish-Culturist* 51(2): 79-82.
Six genera of zooplankton were fed to largemouth bass; selected prey depended on fish size and time of day.
772. Wier, Hazel C. 1945. The histology and gross anatomy of the digestive system of the gizzard shad. M.A. Thesis; University of South Dakota.
Anatomy of internal organs is assessed.
773. Wier, Hazel C. and Edward P. Churchill. 1945. The anatomy and histology of the digestive system of the gizzard shad, *Dorosoma cepedianum* (Le Sueur). *Proceedings South Dakota Academy of Science* 25: 34-43.
Gizzard shad were collected from the Vermillion River and their digestive systems were studied. Includes description of feeding experiment.
774. Williams, Jack. E., James E. Johnson, Dean A. Hendrickson, Salvador Contreras-Balderas, James D. Williams, Miguel Navarro-Mendoza, Don E. McAllister, and James E. Deacon. 1989. Fishes of North America: endangered, threatened, or of special concern: 1989. *Fisheries* 14(6): 2-20.
Lists 364 species, five in South Dakota, documenting historic distribution and nature of threats.
775. Williams, James D. 1981. Threatened warmwater stream fishes and the endangered species act: a review. Pages 328-422 in *The warmwater streams symposium: a national symposium on fisheries aspects of warmwater streams* (L. A. Krumholz, ed). American Fisheries Society, Southern Division, Lawrence, Kansas.
Lists species giving status, threats, and historic distribution; discusses effects of endangered species act.
776. Williamson, Joyce E., Robert M. Goldstein, and Stephen D. Porter. 1996. Selected trace metals in water, sediment, plants, and fish in Rapid Creek, Rapid City, South Dakota, 1993-1994. Branch of Information Services, U.S. Department of the Interior, U.S. Geological Survey, Denver, Colorado.
Surveyed the amount of silver, cadmium, copper, and zinc in bed sediments and fish livers, determining effects and possible causes.

777. Willis, David W. 1989. Proposed standard length-weight equation for northern pike. *North American Journal of Fisheries Management* 9(2): 203-208.
- Summarizes 33 data sets from nine states and provinces to produce W_s equation for northern pike.
778. Willis, David W., H. Denise Beck, Craig A. Soupir, Bruce A. Johnson, Gregory D. Simpson, and Gerald A. Wickstrom. 1997. White bass growth in South Dakota waters. *The Prairie Naturalist* 29(2): 111-118.
- Growth of ages 1-6 white bass was determined and compared statewide.
779. Willis, David W., Marley D. Beem, and Robert L. Hanten. 1990. Managing South Dakota ponds for fish and wildlife. South Dakota Department of Game, Fish and Parks, Brookings.
- A field guide of do's and don'ts for rearing fish in ponds, includes photos of fish species.
780. Willis, David W. and Christopher S. Guy. 1991. Largemouth bass management in South Dakota: comparisons with waters further south and east. Pages 336-342 *in* Warmwater Fisheries Symposium I. Technical coordinators James L. Cooper and R. H. Hamre. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado.
- Density, growth, sampling, angling, length limits, and predator/prey relationships relative to management.
781. Willis, David W., Christopher S. Guy, and Brian R. Murphy. 1991. Development and evaluation of a standard weight (W_s) equation for yellow perch. *North American Journal of Fisheries Management* 11(3): 374-380.
- Seventy-eight data sets covering almost the entire range of yellow perch used to develop a W_s equation; its effectiveness evaluated.
782. Willis, David W., John P. Lott, Christopher S. Guy, and David O. Lucchesi. 1992. Growth of bluegills and yellow perch in South Dakota waters. *Prairie Naturalist* 24(4): 225-229.
- Calculated mean length-at-age data for bluegill and yellow perch statewide for use in management.
783. Willis, David W., Craig L. Milewski, and Christopher S. Guy. 1990. Growth of largemouth and smallmouth bass in South Dakota waters. *The Prairie Naturalist* 22: 265-269.
- Fish growth was similar or exceeded regional growth values.
784. Willis, David W., Brian R. Murphy, and Christopher S. Guy. 1993. Stock density indices: development, use, and limitations. *Reviews in Fisheries Science* 1(3): 203-222.
785. Willis, David W., Robert M. Neumann, and Christopher S. Guy. Influence of angler exploitation on black crappie population structure in a rural South Dakota impoundment. *Journal of Freshwater Ecology* 9(2): 153-158.
- Changes in year class strength and size-structure in Lake Murdo due to harvesting.
786. Willis, David W., Craig P. Paukert, and Brian G. Blackwell. 2002. Biology of white bass in eastern South Dakota glacial lakes. *North American Journal of Fisheries Management* 22(2): 627-636.
- Recruitment, age, growth of walleye; diet overlap between walleye and white bass; and distribution of white bass in six eastern South Dakota lakes.

787. Willis, David W. and Charles G. Scalet. 1989. Relations between proportional stock density and growth and condition of northern pike populations. *North American Journal of Fisheries Management* 9(4): 488-492.
- Reports on a positive relationship between PSD and growth and condition of northern pike through compilation of data from eight states.
788. Wilson, Stephen K. 2002. Relation of habitat to fish community characteristics in small South Dakota impoundments. M.S. Thesis; South Dakota State University.
- Bass relative abundance was correlated with vegetation and Secchi disk readings.
789. Witzke, B. J. 1981. Cretaceous vertebrate fossils of Iowa, and nearby areas of Nebraska, South Dakota, and Minnesota. Pages 105-122 in *Cretaceous Stratigraphy and sedimentation in northwest Iowa, northeast Nebraska, and southeast South Dakota*. Iowa Geological Survey Guidebook Series (R. L. Brenner, R. F. Bretz, B. J. Bunker, D. L. Iles, G. A. Ludvigson, R. M. McKay, D. L. Whitley, and B. J. Witzke, eds). Iowa Geological Survey, Iowa City.
- Refers to ancient fishes of South Dakota
790. Wolf, Alan E., Matthew J. Hubers, Bruce A. Johnson, Todd R. St. Sauver, and David W. Willis. 1994. Growth of walleyes in South Dakota waters. *The Prairie Naturalist* 26(3): 217-220.
- Average length at age walleyes in South Dakota were larger than in Minnesota.
791. Wolters, J. D. 1988. Growth, survival, and vulnerability to predation of stocked walleye (*Stizostedion vitreum*) fingerlings. M.S. Thesis; South Dakota State University.
- Prey were easier to get in circular than rectangular tanks. Young walleye grew better in ponds without predators.
792. Woolman, Albert J. 1893. Report upon the ichthyological investigations in western Minnesota and eastern North Dakota. Report to the U.S. Fish Commission and Fish 19: 343-373.
793. Woolworth, Alan R. and W. Raymond Wood. 1964. The Demery Site (39CO1), Oahe reservoir area, South Dakota. *River Basin Surveys Papers* 34: 67-137.
- Fish hooks made by historic Indians were found at the site.
794. Young, Bradley A. 2001. Intraspecific variation among emerald shiners (*Notropis antherinoides*) of the Missouri River. Ph.D. Dissertation; South Dakota State University.
- Alterations to the river appear to affect physical aspects of shiners, but the fish apparently could adapt to changes in habitats.
795. Young, John C. 1987. Impacts of stocking herbivorous fishes for aquatic macrophyte removal upon South Dakota ponds. M.S. Thesis; South Dakota State University.
- Monosex grass carp appeared to remove the greatest amount of vegetation, effects of vegetation on fish are discussed.
796. Younk, Jerry A. 1982. Distribution, movement, and temperature selection of adult walleye and muskellunge in a power plant cooling reservoir. M.S. Thesis; South Dakota State University.
- Muskies were more active than walleyes; movements of both varied by season and water temperature.

797. Zale, Alexander V. Jr., David M. Leslie, William L. Fisher, and Susan G. Merrifield. 1989. The physiochemistry, flora, and fauna of intermittent prairie streams: a review of the literature. U.S. Fish and Wildlife Service Biological Report No. 89(4).
- Includes records from South Dakota.
798. Zalesky, R. C. 1929. The food of the Loch Leven trout of certain streams of the Black Hills. M.S. Thesis; University of South Dakota.
799. Zimmerman, Charles J. Jr. and Harold H. Burgess. 1973. Fishes of LaCreek National Wildlife Refuge, Bennett County, South Dakota. Proceedings of the South Dakota Academy of Science 52: 88-94.
- Twenty-two species of fish occurred on the refuge.
800. Zischke, James A. and Charles M. Vaughn. 1962. Helminth parasites of young-of-the-year fishes from the Fort Randall reservoir. Proceedings of the South Dakota Academy of Science 41: 97-100.
- Young fishes acquired parasitic helminths early in life.
801. Zittel, Ann E. 1978. An investigation of the swimming performance of eight species of fish endemic to the middle Missouri River. M.A. Thesis; University of South Dakota.
- Swimming ability was less in cold water and varied by species and body length.
802. Zuerlein, Gene. 1982. Food habits of channel catfish from the channelized Missouri River and the Niobrara River. The Missouri River Channel Catfish, Nebraska Technical Series 11: 20-29.
- Food habits of the channel catfish were compared to previous studies.
803. Zwiack, Paul L. 1967. Aspects of the life history of the shovelnose sturgeon, *Scaphirhynchus platorynchus* (Rafinesque), in the Missouri River. M.A. Thesis; University of South Dakota.
- Sturgeon were 8-27 years old, sex ratio even, and conditions varied among fish.

Section I, Part II
South Dakota Fisheries Reports

The following citations, numbered from 804-1426, are all commonly known as Fisheries Reports. All are reports to satisfy requirements of annual Federal Aid to Fisheries Restoration funding (i.e., Dingle-Johnson or D-J monies) for projects in the state of South Dakota. Because we did not have library access to a full collection of these reports we have opted to provide citations for these reports with date, author and title only (i.e. without the study project number or annotation). All or a portion of any of these reports may be duplicated as a thesis, manuscript, etc., in Section I, Part I.

If you wish to obtain any of these reports for special needs, we recommend you contact the main office of the South Dakota Game, Fish and Parks in Pierre. We have not indexed any of the fisheries reports.

804. Anderson, M. R. and S. J. Fisher. 1997. Assessment of an early index to yellow perch recruitment in eastern South Dakota glacial lakes (Special Report).
805. Anon. 1954. Walleye rearing ponds as a management tool.
806. Anon. 1957. Survey of trout streams in the Black Hills area.
807. Anon. 1991. Blue Dog state fish hatchery fish production annual report, 1983-1989, Book 2.
808. Anon. 1991. Cleghorn Springs fish production annual report, 1989, Book 1.
809. Anon. 1991. McNenny fish hatchery fish production annual report 1984-1989, Book 3.
810. Anon. 1996. Fish stocking report, 1995.
811. Anon. 2002. Fish stocking report, 2001.
812. Anon. 2002. Paddlefish use and harvest survey below Gavins Point dam, South Dakota, utilizing a limited-entry tag/permit system, 1997-2001.
813. Anon. 2002. South Dakota Game, Fish and Parks annual technical fish stocking report, 2001.
814. Anon. 2002. Whitlocks Bay spawning station annual report, 2001.
815. Ashton, Diane and Charles R. Berry Jr. 1990. Chemical attractants as a potential tool in carp and black bullhead management in South Dakota.
816. Backlund, Charles A. 1958. Classification of lakes in northern South Dakota, 1957.
817. Backlund, Charles A. 1959. Classification of lakes in northern South Dakota, 1958.
818. Backlund, Charles A. 1959. Enemy Swim Lake fisherman harvest study, 1958.
819. Backlund, Charles A. 1959. Index to D-J fisheries reports, 1955-1959.
820. Backlund, Charles A. 1969. Artificial seeding to improve northern pike spawning habitat (Progress Report).
821. Backlund, Charles A. 1969. Lake mapping, South Dakota, 1968-1969.
822. Backlund, Charles A. 1971. Paddlefish population study, 1969-1970.
823. Backlund, Charles A. 1972. Statewide fisheries surveys, Region 3, 1970-1971 (survey completion of permanent and semi-permanent waters).
824. Backlund, Charles A. 1973. Statewide fisheries surveys management plan completion for permanent and semi-permanent waters.
825. Backlund, Charles A. 1983. Small dam survey planning project, 1983.
826. Backlund, Charles A. and Robert L. Krumm. 1973. Statewide fisheries surveys, survey completion of permanent and semi-permanent waters, Region 3.
827. Barari, Assad. 1971. Hydrology of Lake Kampeska, Codington County, South Dakota, 1970.
828. Barari, Assad. 1971. Hydrology of Lake Poinsett (Completion Report).

829. Barnes, Michael E. and Rick J. Cordes. 1991. Statewide fisheries investigations evaluation of fall Chinook salmon spawning and incubation procedures.
830. Barnes, Michael E. and Rick J. Cordes. 1993. Statewide fisheries investigations evaluation of fall Chinook salmon spawning and incubation procedures.
831. Barnes, Michael E. and Gary E. Whelan. 2003. I want to see the big fish: visitor policies and practices at public salmonid hatcheries in North America.
832. Barton, Bruce and Alf Haukenes. 2000. Physiological stress and behavioral responses of juvenile walleye associated with handling and transport during stocking operations in South Dakota (Completion Report).
833. Beck, H. Denise, Andrew B. Starostka, and David W. Willis. 1999. Early life history of white bass in Lake Poinsett (Completion Report).
834. Beck, H. Denise, Andrew B. Starostka, and David W. Willis. 1999. Habitat use and movements of adult white bass in Lake Poinsett (Completion Report).
835. Bettross, Edward A. 1988. An indexed bibliography of largemouth bass (Progress Report).
836. Blackwell, Brian G. 1998. Angler use, sport fish harvest, and fish community surveys for Lakes Louise, Rosehill, Jones, and Dakotah, Hand County, South Dakota (Progress Report).
837. Blackwell, Brian G. 1999. Angler use, sport fish harvest, and fish community surveys for Brakke Lake, Byre Lake, Fate Dam, and Reliance Lake, Lyman County, South Dakota (Completion Report).
838. Blackwell, Brian G. 1999. Angler use, sport fish harvest, and fish community surveys for Lakes Louise, Rosehill, Jones, and Dakotah, Hand County, South Dakota (Progress Report).
839. Blackwell, Brian G. and Michael Brown. 1999. Spatial and seasonal distribution of the Lake Kampeska and Lake Enemy Swim fish communities (Completion Report).
840. Blackwell, Brian G., Craig Soupir, and Michael Brown. 1999. Seasonal diets of walleye and diet overlap with other top-level predators in two South Dakota lakes (Special Report).
841. Blackwell, Brian G. and Matthew J. Hubers. 2003. Angler use, sport fish harvest, and fish community surveys for Waubay Lake, Day County, South Dakota. December 1996-August 2002.
842. Boussu, Marvin F. 1955. Experimental alteration of a panfish population by netting (Fraiser Lake).
843. Boussu, Marvin F. 1958. Lake Alvin fishermen harvest study.
844. Boussu, Marvin F. 1958. Southern lakes fishery investigations, 1957
Boussu, Marvin F. 1959. Chemical rehabilitation of lakes, 1958.
845. Boussu, Marvin F. 1959. Classification of lakes in southern South Dakota, 1958.
846. Boussu, Marvin F. 1959. Dante Lake rehabilitation, development, and silt retention dam, 1955-1958.
847. Boussu, Marvin F. 1959. Lake fishery investigations, 1959.
848. Boussu, Marvin F. 1960. Chemical rehabilitation of lakes in South Dakota, 1959.
849. Boussu, Marvin F. 1960. Classification of lakes in southern South Dakota, 1959.

850. Boussu, Marvin F. 1960. Southern lakes fishery investigations, South Dakota, 1959.
851. Bradwisch, William. A. 1968. Effects of intensive black bullhead, *Ictalurus melas*, removal from selected eastern South Dakota lakes, 1968.
852. Bradwisch, William. A. 1969. Effects of intensive black bullhead, *Ictalurus melas*, removal from selected eastern South Dakota lakes, 1969 (Completion Report).
853. Bradwisch, William. A. 1971. Construction of brush shelters in Lake Mitchell, Davison County, 1969.
854. Bradwisch, William. A. 1972. Construction of brush in Lake Mitchell, Davison County, 1970.
855. Bradwisch, William. A. 1972. Statewide fisheries survey, 1970-1971 (survey completion of permanent and semi-permanent waters), Region 5.
856. Bradwisch, William. A. 1974. Statewide fisheries surveys, 1972-1973 (survey completion of permanent and semi-permanent waters), Region 5 (Progress Report).
857. Bradwisch, William. A. 1975. Statewide fisheries surveys, 1974-1975 (county fisheries management plans).
858. Bradwisch, William. A. 1976. Statewide fisheries surveys, 1975-1976 (county fisheries management plans).
859. Bradwisch, William. A. 1978. Statewide fisheries surveys, 1976-1977 (county fisheries management plans).
860. Bradwisch, William A., Charles A. Backlund, Robert L. Krumm, and Donald V. Friberg. 1972. Statewide fisheries surveys, South Dakota, 1970-1971.
861. Bradwisch, William A., Charles A. Backlund, Robert L. Krumm, Donald V. Friberg, and Jerry Streckfuss. 1972. Statewide fisheries surveys, 1970-1971 (survey of marginal waters).
862. Bradwisch, William A., Donald V. Friberg, and Roger E. Nichols. 1969. Chemical rehabilitation of lakes in South Dakota, 1968.
863. Bradwisch, William A., Donald V. Friberg, Roger E. Nichols, and Wayne K. Steinle. 1969. Lake investigations, South Dakota, 1969.
864. Bradwisch, William A., Donald V. Friberg, and Ronald Schulz. 1968. Lake investigations, 1968.
865. Bradwisch, William A., Donald V. Friberg, and Ronald Schulz. 1967. Chemical rehabilitation of lakes in South Dakota, 1967.
866. Bradwisch, William A. and Robert L. Hanten. 1973. Statewide fisheries surveys, 1971-1972, completion, publication, and maintenance of county management plans for marginal water.
867. Bradwisch, William A. and Robert L. Hanten. 1974. Statewide fisheries surveys, 1972-1973 (completion, publication, and maintenance of county fishery management plans).
868. Bradwisch, William A. and Robert L. Hanten. 1974. Statewide fisheries surveys, 1973-1974, county fisheries management plans.
869. Bradwisch, William A. and Robert L. Krumm. 1973. Statewide fisheries surveys, 1971-1972, survey completion of permanent and semi-permanent waters, Region 5.

870. Broughton, Jerry. 1986. Intensive culture of walleye at Blue Dog state hatchery, 1986.
871. Broughton, Jerry. 1990. South Dakota baitfish harvest summary, 1988.
872. Broughton, Jerry. 1991. South Dakota baitfish harvest summary, 1989.
873. Broughton, Jerry. 1992. South Dakota baitfish harvest summary, 1990.
874. Broughton, Jerry. 1994. South Dakota baitfish harvest summary, 1991 (Progress Report).
875. Broughton, Jerry. 1994. South Dakota baitfish harvest, 1992 summary (Annual Report).
876. Broughton, Jerry. 1995. South Dakota baitfish harvest, 1993 summary (Annual Report).
877. Broughton, Jerry. 1995. South Dakota baitfish harvest summary, 1994.
878. Broughton, Jerry. 1996. South Dakota baitfish harvest summary, 1994 (Annual Report).
879. Broughton, Jerry. 1998. South Dakota baitfish harvest, 1996 summary (Annual Report).
880. Broughton, Jerry. 1998. Baitfish harvest 1995 summary (Annual Report).
881. Broughton, Jerry. 1999. Baitfish harvest, 1997 summary (Annual Report).
882. Broughton, Jerry. 2000. South Dakota baitfish harvest summary, 1998 (Annual Report).
883. Broughton, Jerry, R. Smidt, Clarke Moen, E. Holm, and R. Whitlock. 2000. Blue Dog state fish hatchery production report (Annual Report).
884. Broughton, Jerry, R. Smidt, Clarke Moen, E. Holm, Kyle Potter, and R. Whitlock. 2002. Blue Dog state fish hatchery 2001 production report (Annual Report).
885. Broughton, Jerry, R. Smidt, Clarke Moen, E. Holm, Kyle Potter, and R. Whitlock. 2001. Blue Dog state fish hatchery production report (Annual Report).
886. Broughton, Jerry, R. Smidt, Clarke Moen, E. Holm, Kyle Potter, and R. Whitlock. 2003. Blue Dog state fish hatchery 2002 annual production report.
887. Broughton, Jerry and Kyle Potter. 2002. South Dakota baitfish harvest summary, 2000 (Annual Report).
888. Broughton, Jerry and Kyle Potter. 2003. South Dakota baitfish harvest summary, 2001.
889. Brown, Michael L., Todd St. Sauver, David O. Lucchesi, J. L. Gilb, and M. E. Reinhart. 2000. An evaluation of a chemical immersion marking technique for juvenile yellow perch and application to a stocking assessment of marsh-reared yellow perch into eastern South Dakota lakes (Completion Report).
890. Brown, Michael L., David W. Willis, and Brian G. Blackwell. 1998. Factors related to black bullhead abundance and population size structure in eastern South Dakota glacial lakes (Special Report).
891. Clothier, William D. 1953. Statewide fisheries investigations-quarterly Progress Report No. 3 and 4.
892. Clothier, William D. 1954. Statewide surveys, 1953.
893. Clothier, William D. 1955. Investigation of fish parasites.

894. Clothier, William D. 1955. Lake fishery investigations, 1954.
895. Clothier, William D. 1955. Test netting, seining, and poisoning, Fort Randall and Gavins Point reservoirs.
896. Clothier, William D. 1956. Chemical rehabilitation of lakes.
897. Clothier, William D. 1956. Lake fishery investigation, 1955-1956.
898. Clothier, William D. 1957. Check list of Dingell-Johnson federal aid reports, 1951-1956.
899. Clothier, William D. 1957. Chemical rehabilitation of lakes, 1956.
900. Clothier, William D. 1957. Lake Alvin fisherman harvest studies.
901. Clothier, William D. 1957. Lake fishery investigations, 1956.
902. Clothier, William D. 1957. Survey of trout lakes in the Black Hills (report on Sheridan Lake, Pennington County).
903. Clothier, William D. and Marvin F. Boussu. 1953. Black Hills trout stream study.
904. Clothier, William D. and Marvin F. Boussu. 1954. Creel and test net study, Angostura reservoir, Fall River County, 1953.
905. Cooper, John, George Vandell, and Dennis Unkenholz. 2003. Fish stocking report, 2002.
906. Cooper, John, George Vandell, and Dennis Unkenholz. 2003. South Dakota Game, Fish and Parks. 2002. Annual technical fish stocking report.
907. Cordes, Rick, William Saylor, and Michael Barnes. 1998. Annual fish production report, McNenny state fish hatchery (Annual Report).
908. Cordes, Rick, William Saylor, and Michael Barnes. 1999. Annual fish production report, McNenny state fish hatchery (Annual Report).
909. Cordes, Rick, William Saylor, and Michael Barnes. 2000. McNenny state fish hatchery annual production report, 1999 (Annual Report).
910. Cordes, Rick, William Saylor, and Michael Barnes. 2001. McNenny state fish hatchery annual production report, 2000 (Annual Report).
911. Cordes, Rick, William Saylor, and Michael Barnes. 2002. McNenny state fish hatchery annual production report, 2001 (Annual Report).
912. Dieterman, Doug and Charles R. Berry Jr. 1995. The distribution and relative abundance of fishes in the Big Sioux River, South Dakota (Progress Report).
913. Dieterman, D. J. and C. R. Berry Jr. 1996. The distribution and relative abundance of fishes in seven streams of the Minnesota River basin of northeastern South Dakota (Special Report).
914. Doorenbos, Ryan, Doug Dieterman, and Charles R. Berry Jr. 1996. Recreational use of the Big Sioux River, Iowa and South Dakota Fisheries Special Report No. 96-14. 54 pages.
915. Duffy, Walter G. 1996. Population dynamics, production, and prey consumption of fathead minnows in prairie lakes and wetlands.

916. Duncan, David, Lloyd Thompson, Robert L. Krumm, Charles A. Backlund, and Leslie Nelson. 1972. Statewide fisheries surveys, 1970-1971. (Completion, publications and maintenance of county management plans for marginal waters.)
917. Erickson, Jack W. 2002. Development of a temperature model for a reach of Spring Creek below Sheridan Lake, Pennington County, South Dakota.
918. Erickson, Jack W., Larry Ferber, Gene Galinat, and Gregory Simpson. 2001. Statewide fisheries surveys, 2000 survey of public waters: Part 2 - streams (Annual Report).
919. Erickson, Jack W., Larry Ferber, Gene Galinat, Gregory Simpson, and Eric Unkenholz. 2002. Statewide fisheries surveys, 2000 survey of public waters: Part 1 - lakes, Region 1 (Annual Report).
920. Erickson, Jack W., Ron Koth, and Lee Vanderbush. 1993. 1993 Black Hills stream management plan.
921. Erickson, Jack W. and Mike Whitcher. 1993. An evaluation of introduced sport and forage fish species in Pactola reservoir, 1989-1991 (Completion Report).
922. Ferber, Larry. 1973. Lake mapping, 1971-1972.
923. Ferber, Larry and Robert L. Krumm. 1973. Statewide fisheries surveys, survey completion of permanent and semi-permanent waters, Region 1.
924. Ferber, Larry, Rick Cordes, Bob Wagers, and Gary Marrone. 1991. 1990 Fish production annual report: Blue Dog state fish hatchery, Cleghorn Springs fish hatchery, McNenny fish hatchery, Whitlocks spawning and imprint station.
925. Ferber, Larry, Rick Cordes, Bob Wagers, and Gary Marrone. 1993. 1991 Annual fish production report Blue Dog state fish hatchery, Cleghorn Springs fish hatchery, McNenny fish hatchery, Whitlocks spawning and imprint station.
926. Fielder, David G. 1989. An assessment of the suitability of Skamania strain summer steelhead for providing a coldwater fishery in Lake Francis Case, South Dakota.
927. Fielder, David G. 1989. An evaluation of five walleye fingerling stocking densities in Lower Lake Oahe, South Dakota.
928. Fielder, David G. 1989. An evaluation of walleye fry and fingerling stocking in Lower Lake Oahe.
929. Fielder, David G. 1990. An evaluation of walleye fingerling stocking densities in Lower Lake Oahe, South Dakota.
930. Fielder, Dave G. 1992. Evaluation of large walleye fingerling stocking and delayed walleye fry stocking in Lower Lake Oahe, South Dakota.
931. Fielder, David G. 1994. An evaluation of the suitability of marking walleye fry and fingerlings with oxytetracycline (Completion Report).
932. Fielder, David G. 1994. Evaluation of large walleye fingerling stocking and late walleye fry stocking in Lower Lake Oahe (Completion Report).
933. Fielder, David G. and Bruce Johnson. 1992. Weigh-in, delayed, and total mortality of walleyes at two live-release fishing tournaments on Lake Oahe, South Dakota.

934. Fielder, David G., Jim Riis, and Cliff Stone. 1992. Angler use and sport fishing harvest survey, Lake Oahe, South Dakota, 1990 and 1991.
935. Fielder, Dave, Jim Riis, and Cliff Stone. 1992. Angler use and sport fishing harvest survey, Lake Sharpe, South Dakota, 1990 and 1991.
936. Flammang, Mark K., David W. Willis, and Brian R. Murphy. 1993. Development of condition and length-categorization standards for saugeye.
937. Fogle, Ned E. 1960. Report of fisheries investigations during the second year of impoundment of Oahe reservoir, 1959.
938. Fogle, Ned E. 1961. Report of fisheries investigations during the third year of impoundment of Oahe reservoir, 1960.
939. Fogle, Ned E. 1962. Report of fisheries investigations during the fourth year of impoundment of Oahe reservoir, 1961.
940. Fogle, Ned E. 1963. Estimation of reproductive success in Fort Randall reservoir, 1962 .
941. Fogle, Ned E. 1963. Report of fisheries investigations during the fifth year of impoundment of Oahe reservoir, 1962.
942. Fogle, Ned E. 1963. Summation of four years of creel census, July 1959 thru June 1963, on Oahe tailwaters.
943. Fogle, Ned E. 1964. Estimation of reproductive success in Fort Randall reservoir, 1963.
944. Fogle, Ned E. 1964. Preparation of a fisherman's pamphlet dealing with the Missouri River impoundments and tailwaters.
945. Fogle, Ned E. 1964. Reproductive success of fishes in Oahe reservoir as determined by trawling and seining, 1963.
946. Fogle, Ned E. 1965. Preliminary investigation of Big Bend reservoir, 1964.
947. Ford, Richard C. 1971. The crayfish (*Orconectes causeyi*) as a biological control of aquatic vegetation, 1969-70.
948. Ford, Richard C. 1972. Creel census of Grace Coolidge Lowhead dams and Stockade Lake, summer 1970 (Completion Report).
949. Ford, Richard C. 1972. Creel census of Sheridan Lake, 1970-1971 (Completion Report).
950. Ford, Richard C. 1973. The introduction of selected fish species into the Missouri River reservoir of South Dakota, 1971-1972 (Progress Report).
951. Ford, Richard C. 1974 Evaluation of the Black Hills reservoir fisheries, 1972-1973 and 1973-1974, Pactola reservoir.
952. Ford, Richard C. 1974. Evaluation of the Black Hills reservoir (Pactola reservoir).
953. Ford, Richard C. 1974. Evaluation of the Black Hills reservoir fisheries, creel census of Deerfield reservoir, 1971-1972.

954. Ford, Richard C. 1974. The introduction of selected fish species into the Missouri River reservoirs of South Dakota, 1972-1973.
955. Ford, Richard C. 1974. Statewide fish management surveys (compilation by county of marginal and sub-marginal fisheries waters).
956. Ford, Richard C. 1975. Evaluation of Black Hills reservoir fisheries, South Dakota.
957. Ford, Richard C. 1975. Statewide fisheries surveys, 1974-1975 (management plan completion for permanent and semi-permanent waters).
958. Ford, Richard C. 1976. Statewide fisheries surveys, 1975-1976 (management plan completion for permanent and semi-permanent waters).
959. Ford, Richard C. 1977. Statewide fish management surveys (management plan completion for permanent and semi-permanent waters) (Progress Report).
960. Ford, Richard C. 1978. Evaluation of four strains in rainbow trout fingerling stockings in Black Hills reservoirs.
961. Ford, Richard C. 1978. Statewide fisheries surveys, 1977-1978 (management plan completion for permanent and semi-permanent waters).
962. Ford, Richard C. 1983. Evaluation of changes in size and number of rainbow trout fingerlings stocked in Sheridan Lake and Pactola reservoir (Completion Report).
963. Ford, Richard C. 1984. Environmental assessment on the proposed introduction of forage fish into Pactola reservoir, 1984.
964. Ford, Richard C. 1988. Black Hills stream inventory and classification, 1984 and 1985.
965. Friberg, Donald and Robert L. Krumm. 1971. Chemical rehabilitation of lakes in South Dakota, 1969-1970.
966. Friberg, Donald, Roger E. Nichols, and William A. Bradwisch. 1971. Lake investigation, South Dakota, 1970.
967. Friberg, Donald V. 1972. Angler pressure and harvest (excluding paddlefish), Big Bend dam tailwaters area, 1970-1971.
968. Friberg, Donald V. 1972. Paddlefish abundance and harvest within a population lacking recruitment, Big Bend dam tailwaters, 1969-1971.
969. Friberg, Donald V. 1972. The crayfish (*Orconectes causeyi*) as a biological control of aquatic vegetation, 1970-1971.
970. Friberg, Donald V. 1972. Statewide fisheries surveys, 1970-1971 (survey completion of permanent and semi-permanent waters), Region 1.
971. Friberg, Donald V. 1973. Mass marking of fingerling rainbow trout with fluorescent granular pigment, 1967-1969.
972. Friberg, Donald V. 1973. The crayfish (*Orconectes causeyi*) as a biological control of aquatic vegetation (Progress Report).
973. Friberg, Donald V. 1974. The crayfish (*Orconectes causeyi*) as a biological control of aquatic vegetation, 1972-1973.

974. Friberg, Donald V. 1974. Investigation of paddlefish populations in South Dakota and development of management plans, 1973.
975. Gaffney, John J. 1958. Classification of fishing waters in the Black Hills area, 1958.
976. Gaffney, John J. 1958. Effect of fin removal on brown and rainbow trout.
977. Gaffney, John J. 1958. Fish population studies and creel census in the Black Hills area of South Dakota, 1957.
978. Gaffney, John J. 1958. Limnological and biological study of Sheridan Lake.
979. Galinat, Gene F., David W. Willis, and Brian G. Blackwell. 2000. Influence of saugeyes, stocked as advanced fingerlings, on black crappie populations in lakes Richmond and Mina (Completion Report).
980. Galinat, Gene F. 2002. Statewide fisheries surveys, 2001 survey of public waters: Part 1 - lakes, Region I (Annual Report).
981. Gangl, Robert S., Kevin L. Pope, and David W. Willis. 1997. Seasonal trends in diet and growth of saugeye and smallmouth bass in eastern South Dakota natural lakes both titles following covered under the above title: Seasonal trends in food habits and growth of smallmouth bass in Lake Poinsett, South Dakota (Special Report).
982. Gibbs, Robert C. 1952. Statewide fisheries investigations-quarterly progress report No. 1.
983. Gibbs, Robert C. 1952. Statewide fisheries investigations-quarterly progress report No. 2.
984. Gibbs, Robert C. and Marvin Allum. 1952. Statewide fisheries investigations-quarterly progress report No. 3.
985. Gibbs, Robert C. and Marvin Allum. 1953. Statewide fisheries investigations-quarterly progress report No. 1 and 2.
986. Gigliotti, Larry M. 1996. South Dakota angler use and preference survey, Supplement 1, attributes of a good fishing spot cluster analysis.
987. Glover, Ronald D. 1968. An experimental stocking of smallmouth bass in peripheral Black Hills streams, 1968.
988. Glover, Ronald D. 1969. Water pollution investigation, Battle Creek, South Dakota, 1969.
989. Glover, Ronald D. 1970. An experimental stocking of smallmouth bass in peripheral Black Hills streams.
990. Glover, Ronald D. 1971. Experimental stocking of smallmouth bass in selected lakes and streams in western South Dakota, 1969-1970.
991. Glover, Ronald D. 1971. Physical stream inventory of the major watersheds in the Black Hills, 1969-1970.
992. Glover, Ronald D. 1972. Experimental stocking of smallmouth bass in selected lakes and streams of western South Dakota, 1971.
993. Glover, Ronald D. 1972. Statewide watershed inventories, 1970-1971.

994. Glover, Ronald D. 1973. An experimental stocking of smallmouth bass in selected lakes and streams of western South Dakota (Progress Report).
995. Glover, Ronald D. 1973. Statewide watershed inventories, 1971-1972, Rapid Creek, Castle Creek and Spring Creek.
996. Glover, Ronald D. 1974. Statewide watershed inventories, 1972-1973.
997. Glover, Ronald D. 1974. Experimental stocking of smallmouth bass in selected lakes and streams of western South Dakota, 1967-1973.
998. Glover, Ronald D. 1974. Black Hills watershed inventories, South Dakota, 1973-1974.
999. Glover, Ronald D. 1975. Black Hills watershed inventories, 1969-1974.
1000. Glover, Ronald D. 1980. Instream flow report.
1001. Glover, Ronald D. 1982. Whitewood Creek rehabilitation plan.
1002. Glover, Ronald D. and Richard Ford. 1983. The use of instream flow incremental methodology to evaluate the effects of habitat restoration on trout populations in Rapid Creek, South Dakota.
1003. Gourneau, Jeanette. 1989. 1987 Whitlocks Bay spawning and imprinting station, Annual Report.
1004. Gourneau, Jeanette and Robert L. Hanten. 1989. South Dakota baitfish harvest, summary 1987.
1005. Gourneau, Jeanette and Robert L. Hanten. 1987. South Dakota baitfish harvest, summary 1986 (Progress Report).
1006. Guy, Christopher S., Edward A. Bettross, and David W. Willis. 1989. A proposed standard weight (W_s) equation for sauger.
1007. Guy, Christopher S. and Allen D. Knapp. 1994. Angler use and sport fish harvest on Lake Mitchell, South Dakota (Special Report).
1008. Guy, Christopher S., Robert M. Neumann, and David W. Willis. 1993. Seasonal and diel movements of adult black crappies in a South Dakota natural lake (Completion Report).
1009. Guy, Christopher S. and David W. Willis. 1993. Statewide summary of sampling data for black and white crappies collected from South Dakota waters (Completion Report).
1010. Guy, Christopher S. and David W. Willis. 1994. Relationships between crappie populations and environmental conditions in South Dakota waters (Completion Report).
1011. Guy, Christopher S. and David W. Willis. 1994. Statewide fisheries investigations, crappie management strategies for South Dakota waters 1994 (Completion Report).
1012. Hagen, Harold K. 1955. Black Hills watershed study.
1013. Hagen, Harold K. 1955. Creel census and fish population studies in the Black Hills.
1014. Hagen, Harold K. 1955. Stream and lake inventory of the Black Hills.
1015. Halseth, Rick, David W. Willis, and Brian Murphy. 1990. Proposed standard weight (W_s) equation for inland Chinook salmon.

1016. Hansen, Douglas. 1973. Watershed inventory of Lake Cochrane, Deuel County, South Dakota, 1971-1972.
1017. Hansen, Douglas. 1973. Watershed inventory of Waubay Lakes basin (Pickerel Lake), South Dakota, 1971-1972.
1018. Hansen, Douglas. 1974. Eutrophication of South Dakota lakes 1972-1973.
1019. Hansen, Douglas. 1974. Eutrophication of South Dakota lakes, 1973-1974.
1020. Hansen, Douglas. 1975. Angler and other recreational uses of the James River, South Dakota.
1021. Hansen, Douglas. 1975. Eutrophication of South Dakota lakes literature review, 1973-1974.
1022. Hansen, Douglas. 1976. Angler and other recreational uses of the James River, South Dakota, 1976.
1023. Hansen, Douglas. 1976. Eutrophication of South Dakota lakes - generalized model of nutrient and sediment sources to Pickerel Lake.
1024. Hansen, Douglas. 1977. Recreational use of the Upper James, South Dakota, 1975-1976 (Completion Report).
1025. Hansen, Douglas. 1979. Angler and other recreational uses of the Middle James River, South Dakota, 1976-1977.
1026. Hansen, Douglas. 1980. Angler and other recreational uses of the Lower James River, South Dakota, 1978-1979 (Progress Report).
1027. Hansen, Douglas. 1981. Angler and other recreational uses of the James River, South Dakota, 1975-1979 (Final Report).
1028. Hansen, Douglas. 1982. Beneficial aspects of various walleye fry stocking densities in lakes with reproducing walleye populations (Progress Report).
1029. Hansen, Douglas. 1983. Beneficial aspects of various walleye fry stocking densities in lakes with reproducing walleye populations (Progress Report).
1030. Hansen, Douglas and Dave Lucchesi. 1991. Beneficial aspects of various walleye fry stocking densities in lakes with reproducing walleye populations.
1031. Hanten, Robert L. 1968. Cooperation of state and federal organizations on federal water oriented projects.
1032. Hanten, Robert L. 1973. Chemical renovation of lakes in South Dakota, 1971-1972.
1033. Hanten, Robert L. 1974. Chemical renovation of lakes, South Dakota, 1972-1973.
1034. Hanten, Robert L. 1974. Chemical renovation of lakes, South Dakota, 1973-1974.
1035. Hanten, Robert L. 1980. Changes in northern pike populations in South Dakota, Missouri River reservoirs, from impoundment.
1036. Hanten, Robert L. 1983. Fish stocking summary for Missouri River reservoirs.
1037. Hanten, Robert L. 1984. Fish stocking summary for Missouri River reservoirs.
1038. Hanten, Robert L. 1993. 1992 Fish stocking report.

1039. Hanten, Robert L. 1994. 1993 Fish stocking report.
1040. Hanten, Robert L. 1995. Fish stocking report 1994 (Annual Report).
1041. Hanten, Robert L. 1997. Fish stocking report (Annual Report).
1042. Hanten, Robert L. 1997. South Dakota Game, Fish and Parks 1996 annual technical fish stocking report (Annual Report).
1043. Hanten, Robert L., Art Talsma, and Vernon Spykerman. 1980. An application for construction of the Blue Dog Lake fish hatchery - Day County, South Dakota.
1044. Hanten, Robert P. and Dave A. Stout. 1999. Whitlocks Bay spawning station (Annual Report).
1045. Hanten, Robert P. and Dave A. Stout. 2000. Whitlocks Bay spawning and imprinting station (Annual Report).
1046. Hanten, Robert P. and Dave A. Stout. 2001. Whitlocks Bay spawning station (Annual Report).
1047. Hanten, Robert P. 2003. 2002 Whitlocks Bay spawning station (Annual Report).
1048. Hausle, Donald A. 1976. The introduction of selected fish species into the Missouri River reservoirs of South Dakota.
1049. Hill, Tracy D. and David W. Willis. 1993. Statewide fisheries investigations feasibility of indexing largemouth bass population density using electro-fishing catch rates and waters conductivity measurements (Completion Report).
1050. Hubers, M. J. 2000. 1997, 1998, and 1998/1999 sport fish catch and harvest, and 1998 fish population surveys for Richmond Lake, Sharpe, South Dakota, 1999 (Annual Report).
1051. Hubers, Matt. 2002. Statewide fisheries surveys, 1999-2000 survey of public waters (Annual Report).
1052. Jacobson, Peter C. 1984. Statewide fisheries surveys, 1983-1984 survey of public waters (Progress Report).
1053. Jacobson, Peter C. 1986. State wide fisheries surveys, 1984-1985, Part I - survey of public waters.
1054. Jacobson, Peter C. 1987. Statewide fisheries surveys, 1984-1985, Part 2 - survey of public waters.
1055. Jacobson, Peter C. 1987. Statewide fisheries surveys, 1985-1986 survey of public waters, South Dakota (Progress Report).
1056. Jindrich, Lawrence C. 1983. Statewide fisheries surveys, 1981-1982 survey of public waters (Progress Report).
1057. Jindrich, Lawrence C. 1984. Statewide fisheries surveys, 1982-1983 survey of public waters (Progress Report).
1058. Johnson, Bruce, David Fielder, Jim Riis, Cliff Stone, Donald Warnick, and Gerald Wickstrom. 1990. Annual fish population surveys on South Dakota Missouri River reservoirs, 1989.
1059. Johnson, Bruce, Robert Hanten, and John Lott. 2002. Annual fish population, angler use, harvest, and preference surveys on Lake Sharpe, South Dakota, 2001.
1060. Johnson, Bruce, Robert Hanten, John Lott, and Wayne Nelson-Stastny. 1999. Annual fish population and sport fish harvest surveys on Lake Oahe, South Dakota, 1998 (Annual Report).

1061. Johnson, Bruce and John Lott. 1999. Annual fish population, angler use, and harvest surveys on Lake Sharpe, South Dakota, 1998 (Annual Report).
1062. Johnson, Brian and John Lott. 2000. Annual fish population, angler use, harvest, and preference surveys on Lake Sharpe, South Dakota, 1999 (Annual Report).
1063. Johnson, Bruce and John Lott. 2001. Annual fish population, angler use, harvest, and preference surveys on Lake Sharpe, South Dakota, 2000.
1064. Johnson, Bruce, John Lott, and Wayne Nelson-Stastny. 1998. Annual fish population, angler use, and harvest surveys on Lake Sharpe, South Dakota, 1997 (Annual Report).
1065. Johnson, Bruce, John Lott, and Wayne Nelson-Stastny. 1998. Annual fish population and sport fish harvest surveys on Lake Oahe, South Dakota (Annual Report).
1066. Johnson, Bruce, John Lott, Wayne Nelson-Stastny, and James Riis. 1996. Annual fish population and sport fish harvest surveys on Lake Oahe, South Dakota, 1995.
1067. Johnson, Bruce, John Lott, Wayne Nelson-Stastny, and James Riis. 1997. Annual fish population and sport fish harvest surveys on Lake Oahe, South Dakota, 1996 (Annual Report).
1068. Johnson, Bruce, John Lott, and James Riis. 1995. Annual fish population and sport fish harvest surveys of Lake Oahe, South Dakota, 1994 (Annual Report).
1069. Johnson, Bruce, James Riis, Cliff Stone, Don Warnick, and Gerald Wickstrom. 1992. Annual fish population surveys on South Dakota Missouri River reservoirs, 1991.
1070. Johnson, Bruce A., Gregory D. Simpson, and Gerald A. Wickstrom. 1996. Growth of white bass in South Dakota waters, 1996, and statewide fisheries investigations (Completion Report).
1071. Jost, Dan R. 1993. Statewide fisheries surveys, 1991-1992 management plan, South Dakota (Annual Report).
1072. Jost, Dan. 1994. Renovation of fish populations lakes Molstad and Dimock, 1992 and 1993 (Completion Report).
1073. Jost, Dan R. 1994. Statewide fisheries surveys, 1992-1993 management plan (Annual Report).
1074. Jost, Dan R. 1995. Statewide fisheries surveys, 1994 management plan (Annual Report).
1075. Jost, Dan R. 1997. Statewide fisheries surveys, 1996 (Annual Report).
1076. Jost, Dan R. 1998. Statewide fisheries surveys, management plan (Annual Report).
1077. Jost, Dan R. 1999. Statewide fisheries surveys, 1998 (Annual Report).
1078. Jost, Dan R. 2001. Statewide fisheries surveys, 1999 management plan (Annual Report).
1079. Jost, Dan R. 2002. Statewide fisheries surveys, 2000 management plan (Annual Report).
1080. Jost, Dan R. 2001. Statewide fisheries surveys, 2000 survey of public waters: Part 1 - lakes, Region II.
1081. Jost, Dan R. 2003. Statewide fisheries surveys, 2001 management plan.
1082. Jurgens, Thomas J. 1964. Investigation of walleye reproduction and stocking success in eastern lakes, 1963.

1083. Jurgens, Thomas J. 1965. Summary of five years of investigation on walleye reproduction and stocking success in eastern South Dakota, 1965.
1084. Jurgens, Thomas J. 1967. Pickerel Lake investigation, South Dakota, 1967.
1085. Jurgens, Thomas J. 1967. Walleye tagging, Lake Kampeska, 1967.
1086. Kallemeyn, Larry. 1974. Investigation of paddlefish populations in South Dakota and development of management plans, 1974.
1087. Kallemeyn, Larry. 1975. Investigation of paddlefish populations in South Dakota.
1088. Kallemeyn, Larry. 1976. Investigation of paddlefish populations in South Dakota and development of management plans, 1975 (Progress Report).
1089. Kathrein, Joseph W. 1957. Enemy Swim Lake fisherman harvest study.
1090. Kathrein, Joseph W. 1957. Northern lakes investigations.
1091. Kathrein, Joseph W. 1958. Enemy Swim Lake fisherman harvest study.
1092. Kathrein, Joseph W. 1958. Northern lakes investigations, 1957.
1093. Knapp, Allen D. 1988. Statewide fisheries surveys, 1986-1987 survey of public waters (Progress Report).
1094. Knapp, Allen D. 1989. Statewide fisheries surveys, 1987-1988 survey of public waters.
1095. Knapp, Allen D. 1991. Chemical renovation of Marindahl Lake, Yankton County, South Dakota.
1096. Knapp, Allen D. 1991. Statewide fisheries surveys, 1986-1989 site-specific creel surveys, South Dakota.
1097. Knapp, Allen D. 1992. Statewide fisheries surveys, 1990-1991 compilation of Annual Report.
1098. Knapp, Allen D., Dave Lucchesi, and Todd St. Sauver. 2001. Statewide fisheries surveys, 2000 survey of public waters: Part I - lakes, Region III (Annual Report).
1099. Knapp, Allen D., Mike Witcher, Jack Erickson, Lee Vanderbush, Christopher Guy, Matthew Hubers, and Dave Lucchesi. 1994. Statewide fisheries surveys, 1990-1993 site-specific creel surveys, South Dakota (Annual Report).
1100. Kolander, Todd and David Willis. 1991. A proposed revision in the standard weight (W_s) equation for smallmouth bass.
1101. Koth, Ron and Bob Hanten. 1992. Black Hills stream management plan, draft.
1102. Koth, Ronald M. and Richard C. Ford. 1980. Fisheries resources of the Cheyenne River basin, Fall River County, South Dakota, July 7-9, 1980.
1103. Krumm, Robert L. 1972. Statewide fisheries surveys, 1970-1971 survey completion of permanent and semi-permanent waters, Region 2.
1104. Krumm, Robert L. 1973. Statewide fisheries surveys, 1971-1972 survey completion of permanent and semi-permanent waters, Region 2.

1105. Krumm, Robert L. 1974. Statewide fisheries surveys, 1972-1973 survey completion of permanent and semi-permanent waters, Region 1.
1106. Krumm, Robert L. 1974. Statewide fisheries surveys, 1973-1974 survey of public waters (Progress Report).
1107. Krumm, Robert L. 1974. Statewide fisheries surveys, 1972-1973 survey completion of permanent and semi-permanent waters, Region 2 (Progress Report).
1108. Krumm, Robert L. 1975. Statewide fisheries surveys, 1974-1975 survey of public waters.
1109. Krumm, Robert L. 1976. Statewide fisheries surveys, 1975-1976 survey completion of permanent and semi-permanent waters.
1110. Krumm, Robert L. 1977. Statewide fisheries surveys, survey of public waters (Progress Report).
1111. Krumm, Robert L. 1978. Statewide fisheries surveys, 1977-1978 survey of public waters.
1112. Krumm, Robert L. 1979. Chemical renovation of Lake Louise, Hand County, South Dakota.
1113. Krumm, Robert L. 1979. Statewide fisheries surveys, 1978-1979 management plans (Progress Report).
1114. Krumm, Robert L. 1980. Statewide fisheries surveys, 1979-1980 management plan.
1115. Krumm, Robert L. 1981. Statewide fisheries surveys, 1980-1981 management plan (Progress Report).
1116. Krumm, Robert L. 1982. Statewide fisheries surveys, 1981-1982 management plan (Progress Report).
1117. Krumm, Robert L. 1983. Statewide fisheries surveys, 1982-1983 management plans (Progress Report).
1118. Krumm, Robert L. 1984. Statewide fisheries surveys, 1983-1984 management plan.
1119. Krumm, Robert L. 1986. Statewide fisheries surveys, 1984-1985 management Plans.
1120. Krumm, Robert L. 1987. Statewide fisheries surveys, 1985-1986 management plan (Progress Report).
1121. Krumm, Robert L. 1988. Statewide fisheries surveys management plan.
1122. Krumm, Robert L. 1989. Statewide fisheries surveys, 1987-1988 management plan.
1123. Krumm, Robert L. 1990. Statewide fisheries surveys, 1988-1989 management plan.
1124. Krumm, Robert L. 1991. Statewide fisheries surveys, 1989-1990 management plan, South Dakota.
1125. Krumm, Robert L. 1992. Management plan, 1991.
1126. Krumm, Robert L. and William L. Bradwisch. 1971. Lake mapping, South Dakota, 1969-1970.
1127. Lott, John P. 1996. Relationships between smallmouth bass feeding ecology and population structure and dynamics in Lower Lake Oahe, South Dakota.
1128. Lott, John P. 2000. Smallmouth bass movement, habitat use, and electrofishing susceptibility in Lower Lake Oahe, South Dakota (Completion Report).
1129. Lott, John P., Dave Fielder, Bruce Johnson, James Riis, Clifton Stone, and Gerald Wickstrom. 1994. Annual fish population surveys on South Dakota Missouri River reservoirs, 1993 (Progress Report).

1130. Lott, John P., Robert Johnson, and Wayne Nelson-Stastny. 2001. Annual fish population and sport fish harvest surveys on Lake Oahe, South Dakota, 2000.
1131. Lott, John P., Bruce Johnson, and Wayne Nelson-Stastny. 2002. Annual fish population, angler use, harvest, and preference surveys on Lake Oahe, South Dakota, 2001.
1132. Lott, John P., Robert Hanten, Bruce Johnson, and Wayne Nelson-Stastny. 2000. Annual fish population, angler use, harvest, and preference surveys on Lake Oahe, South Dakota, 1999 (Annual Report).
1133. Lott, John P., Bruce Johnson, and Kyle Potter. 2003. Annual fish population and angler use, harvest, and preference surveys on Lake Sharpe, South Dakota, 2002.
1134. Lott, John P., Gary Marrone, and Dave Stout. 1997. Influence of size-and-date at stocking, imprinting attempts, and growth on initial survival, homing ability, maturation patterns, and angler harvest of Chinook salmon in Lake Oahe, South Dakota (Special Report).
1135. Lucchesi, David O. 1992. Development of a comprehensive statewide walleye stocking strategy for South Dakota.
1136. Lucchesi, David O. 1992. Investigation of yellow perch population dynamic in eastern South Dakota lakes.
1137. Lucchesi, David O. 1993. Evaluation of large walleye fingerling stocking in eastern South Dakota lakes (Progress Report).
1138. Lucchesi, David O. 1994. Development of a comprehensive statewide walleye stocking strategy for South Dakota (Completion Report).
1139. Lucchesi, David O. 1995. Evaluation of large walleye fingerling stocking in eastern South Dakota lakes.
1140. Lucchesi, David O. 1997. Evaluation of large walleye stocking in eastern South Dakota lakes (Completion Report).
1141. Lucchesi, David O. 1999. Evaluating the contribution of stocked walleye fry and fingerlings to South Dakota fisheries through mass marking with oxytetracycline (Progress Report).
1142. Lucchesi, David O. and Stanley Scubelek Jr. 2001. Evaluating the contribution of stocked walleye fry and fingerlings to South Dakota fisheries through mass marking with oxytetracycline.
1143. Lyons, John R. 1964. Fishing pressure estimates creel census on selected Black Hills lakes and streams, 1964.
1144. Marrone, Gary M. 1980. Statewide fisheries surveys, 1978-1979 survey of public waters.
1145. Marrone, Gary M. 1981. Statewide fisheries surveys, 1979-1980 survey of public waters (Progress Report).
1146. Marrone, Gary M. 1981. Statewide fisheries surveys, 1980-1981 survey of public waters (Progress Report).
1147. Marrone, Gary M. 1983. Evaluation of northern pike and walleye spawning effort in South Dakota lakes (Progress Report).
1148. Marrone, Gary M. 1987. Whitlocks Bay spawning and imprinting station Annual Report, 1984.
1149. Marrone, Gary M. 1987. Whitlocks Bay, 1985.
1150. Marrone, Gary M. 1987. 1986 Whitlocks Bay spawning and imprinting station Annual Report.

1151. Marrone, Gary M. 1990. 1989 Whitlocks Bay spawning and imprinting station Annual Report.
1152. Marrone, Gary M. and Steve Ristau. 1990. 1988 Whitlocks Bay spawning and imprinting station Annual Report.
1153. Marrone, Gary M. and Dave Stout. 1997. Whitlocks Bay spawning and imprinting station Annual Report.
1154. McPhillips, Kelly. 1988. Recreational use and harvest of South Dakota fisheries: a statewide creel and angler preferences survey.
1155. Meester, Ronald J. 1984. An evaluation of northern pike and walleye spawn taking effort in South Dakota lakes.
1156. Meester, Ronald J. 1985. An evaluation of northern pike and walleye spawn taking effort in South Dakota lakes, 1981-1984 (Completion Report).
1157. Meester, Ronald J. 1990. Statewide fisheries surveys, 1988-1989 surveys of public waters.
1158. Meester, Ronald J. 1991. Statewide fisheries surveys, 1990 survey of public waters.
1159. Meester, Ronald J. 1992. Survey of public waters, 1991.
1160. Meester, Ronald J. 1993. Statewide fisheries surveys, 1992 survey of public waters: Part 1 - lakes; Part 2 - rivers and streams (Annual Report).
1161. Meester, Ronald J. 1994. Statewide fisheries surveys, 1993 survey of public waters: Part 1 - lakes; Part 2 - streams (Annual Report).
1162. Meester, Ronald J. 1995. Statewide fisheries surveys, 1994 survey of public waters: Part 1 - lakes; Part 2 - streams (Annual Report).
1163. Meester, Ronald J. 1996. Statewide fisheries surveys, 1995 surveys of public waters: Part 1 - lakes; Part 2 - streams.
1164. Meester, Ronald J. 1997. Statewide fisheries surveys, 1996 survey of public waters: Part 1 - lakes, Region I (Annual Report).
1165. Meester, Ronald J. 1997. Statewide fisheries surveys, 1996 survey of public waters: Part 1 - lakes, Region II (Annual Report).
1166. Meester, Ronald J. 1997. Statewide fisheries surveys, 1996 survey of public waters: Part 1 - lakes, Region III (Annual Report).
1167. Meester, Ronald J. 1997. Statewide fisheries surveys, 1996 survey of public waters: Part 1 - lakes, Region IV (Annual Report).
1168. Meester, Ronald J. 1997. Statewide fisheries surveys, 1996 survey of public waters: Part 2 - streams (Annual Report).
1169. Meester, Ronald J. 1998. Statewide fisheries surveys, 1997 survey of public waters: Part 1 - lakes, Region I (Annual Report).
1170. Meester, Ronald J. 1998. Statewide fisheries surveys, 1997 survey of public waters: Part 1 - lakes, Region II (Annual Report).

1171. Meester, Ronald J. 1998. Statewide fisheries surveys, 1997 survey of public waters: Part 1 - lakes, Region III (Annual Report).
1172. Meester, Ronald J. 1998. Statewide fisheries surveys, 1997 survey of public waters: Part 1 - lakes, Region IV (Annual Report).
1173. Meester, Ronald J. 1998. Statewide fisheries surveys, 1997 survey of public waters: Part 2 - streams (Annual Report).
1174. Meester, Ronald J. 1999. Statewide fisheries surveys, 1998 survey of public waters: Part 1 - lakes, Region I (Annual Report).
1175. Meester, Ronald J. 1999. Statewide fisheries surveys, 1998 survey of public waters: Part 1 - lakes, Region II (Annual Report).
1176. Meester, Ronald J. 1999. Statewide fisheries surveys, 1998 survey of public waters: Part 1 - lakes, Region III (Annual Report).
1177. Meester, Ronald J. 1999. Statewide fisheries surveys, 1998 survey of public waters: Part 1 - lakes, Region IV (Annual Report).
1178. Meester, Ronald J. 1999. Statewide fisheries surveys, 1998 survey of public waters: Part 2 - streams (Annual Report).
1179. Meester, Ronald J. 2000. Statewide fisheries surveys, 1999 survey of public waters: Part 1 - lakes, Region I (Annual Report).
1180. Meester, Ronald J. 2000. Statewide fisheries surveys, 1999 survey of public waters: Part 1 - lakes, Region II (Annual Report).
1181. Meester, Ronald J. 2000. Statewide fisheries surveys, 1999 survey of public waters: Part 1 - lakes, Region III (Annual Report).
1182. Meester, Ronald J. 2002. Statewide fisheries surveys, 2001 survey of public waters: Part 1 - lakes, Region II (Annual Report).
1183. Mendelsohn, Robert. 1994. South Dakota angler use and preference survey.
1184. Michaletz, Paul H. 1984. Utilization of rip-rap by spawning walleyes in Lake Francis Case near Chamberlain, South Dakota.
1185. Michaletz, Paul H. 1986. Effects of preservation in 95% ethanol on lengths of larval walleyes.
1186. Michaletz, Paul H. 1986. Utilization of rip-rap by spawning walleyes in Lake Francis Case near Chamberlain, South Dakota, 1985.
1187. Michaletz, Paul H. 1986. Validating the use of counting growth rings on otoliths to age young walleyes.
1188. Michaletz, Paul H., Dennis G. Unkenholz, and Clifton C. Stone. 1985. Prey selection by size in zooplanktivorous age-0 fishes in Lake Francis Case, South Dakota.
1189. Milewski, Craig and David Willis. 1990. A statewide summary of smallmouth bass sampling data from South Dakota waters.
1190. Modde, Timothy. 1979. Evaluation of fish stocking combinations in South Dakota ponds.

1191. Modde, Timothy. 1980. Evaluation of fish stocking combinations in South Dakota ponds.
1192. Modde, Timothy and Mark C. Harberg. 1982. Food consumption and growth of hybrid grass carp (Progress Report).
1193. Moen, Clark T. 1991. The use of liquid inorganic fertilizer to increase fingerling production in RP at Blue Dog hatchery.
1194. Monroe, Donald M. 1967. Commercial fishing industry survey, South Dakota, Annual Report 1966-1967.
1195. Montgomery, V. E. 1969. Trout fishing in the Black Hills of South Dakota. Bulletin No. 100. Game, Fish and Parks, Lloyd Thompson, and University of South Dakota, Spring 1969.
1196. Nelson-Stastny, W. 2001. Estimates of abundance, biomass, and distribution of rainbow smelt and other pelagic fish in Lake Oahe using hydroacoustic techniques, 1996-1999 (Special Report).
1197. Nelson, William R. 1961. Report of fisheries investigations during the eighth year of impoundment of Fort Randall reservoir, 1960.
1198. Nelson, William R. 1961. Report of fisheries investigations during the sixth year of impoundment of Gavins Point reservoir, 1960.
1199. Nelson, William R. 1962. Prepare data for publication in technical journals.
1200. Nelson, William R. 1962. Report of fisheries investigations during the ninth year of impoundment of Fort Randall reservoir, 1961.
1201. Nelson, William R. 1962. Report of fisheries investigations during the seventh year of impoundment of Gavins Point reservoir, 1961.
1202. Neumann, R. and David Willis. 1993. Evaluation of largemouth bass slot length limits in South Dakota waters (Completion Report).
1203. Nichols, Roger E. 1968. Pickerel Lake research, South Dakota, Annual Report, 1968.
1204. Nichols, Roger E. 1969. Pickerel Lake research, South Dakota, Annual Report 1969.
1205. Nichols, Roger E. 1971. Lake Kampeska walleye tagging, South Dakota, 1969-1970.
1206. Nichols, Roger E. 1971. Pickerel Lake research, 1966-1970 (Final Report).
1207. Nichols, Roger E. 1971. Yellow perch investigations.
1208. Pope, Kevin L., David O. Lucchesi, and David W. Willis. 1998. Factors related to recruitment of white bass and walleyes in eastern South Dakota natural lakes (Completion Report).
1209. Pyle, Charles R., Shannon J. Fisher, and David W. Willis. 1997. Seasonal diets and growth of saugeye in Lake Goldsmith, South Dakota (Special Report).
1210. Riis, James C. 1980. Beneficial aspects of various walleye fry stocking densities in lakes with reproducing walleye populations (Progress Report).
1211. Riis, James C. 1981. Beneficial aspects of various walleye fry stocking densities in lakes with reproducing walleye populations (Progress Report).

1212. Riis, James C. 1982. Angler harvest survey on Lake Oahe - status of the walleye population in the Missouri River and factors affecting their abundance.
1213. Riis, James C. 1983. Walleye movements, harvest and angler use on Lake Oahe, South Dakota, 1982.
1214. Riis, James C. 1984. Walleye movement, harvest, and angler use on Lake Oahe, South Dakota (Completion Report).
1215. Riis, James C. 1986. Angler use and sport fishing harvest survey on Lake Sharpe, South Dakota, 1984-1985.
1216. Riis, James C. 1986. Annual fisheries surveys on the Missouri River reservoirs, 1981-1985 (Progress Report).
1217. Riis, James C., Dave Fielder, Bruce Johnson, Cliff Stone, Dennis Unkenholz, and Gerald Wickstrom. 1988. Annual fisheries surveys on the Missouri River, 1986-1987 (Progress Report).
1218. Riis, James C. and Bruce Johnson. 1995. Annual fish population and angler use and harvest surveys on Lake Sharpe, South Dakota, 1994 (Annual Report).
1219. Riis, James C., Bruce Johnson, and John Lott. 1996. Annual fish population, angler use, and harvest surveys on Lake Sharpe, South Dakota, 1995.
1220. Riis, James C., Bruce Johnson, John Lott, and Wayne Nelson-Stastny. 1997. Annual fish population, angler use, and harvest surveys on Lake Sharpe, South Dakota, 1996.
1221. Riis, James C., Bruce Johnson, and Clifton C. Stone. 1993. Movement and exploitation of walleye, sauger, and smallmouth bass in the Missouri River system in South Dakota.
1222. Riis, James C. and Clifton Stone. 1989. Angler use and sport fishing harvest survey on Lake Oahe tailwaters, South Dakota, 1986-1988.
1223. Riis, James C. and Larry C. Van Ray. 1979. Beneficial aspects of various walleye fry stocking densities in lakes with reproducing walleye populations.
1224. Schmidt, Bruce R. 1976. Commercial fishing vessel and travel evaluation inland lakes (Progress Report).
1225. Schmidt, Bruce R. 1977. Commercial fishing vessel and trawl evaluation, inland lakes (Completion Report).
1226. Schmulbach, James C. 1967. Study of turbidity - production factors in Lake Kampeska, Codington County, South Dakota, Annual Report 1966-1967.
1227. Schmulbach, James C. 1968. Study of turbidity-production factors in Lake Kampeska, Codington County, South Dakota.
1228. Schmulbach, James C. 1981. Investigation of paddlefish reproductive activities in the lower James River, 1978-1980 (Completion Report).
1229. Schmulbach, James C. and Graduate Research Assistants. 1983. Bionomics of the rainbow smelt (*Osmerus mordax*) in Lake Oahe, South Dakota (Completion Report).
1230. Schulz, Ronald L. 1968. Walleye tagging - Lake Kampeska, Annual Report 1968.
1231. Schulz, Ronald L. 1969. Walleye tagging Lake Kampeska, South Dakota. Annual Report 1969.

1232. Schulz, Ronald and Charles A. Backlund. 1968. Lake mapping, 1967-1968.
1233. Sharps, Jon. 1974. Statewide fisheries surveys, 1972-1973 (survey completion of permanent and semi-permanent waters), Region 3 (Progress Report).
1234. Sharps, Jon and Richard C. Ford. 1974. Statewide fisheries surveys, 1973-1974 (management plan completion for permanent and semi-permanent waters).
1235. Sharps, Jon and Robert L. Hanten. 1974. Statewide fisheries surveys, 1972-1973 (management plan completion for permanent and semi-permanent waters).
1236. Shields, James T. 1955. Report of fisheries investigations during the second year of impoundment of Fort Randall reservoir, 1954.
1237. Shields, James T. 1956. Carp control through water drawdowns, Fort Randall reservoir.
1238. Shields, James T. 1956. Report of fisheries investigations during the third year of impoundment of Fort Randall reservoir, 1955.
1239. Shields, James T. 1957. Carp control through water drawdowns, Fort Randall and Gavins Point reservoirs, South Dakota, 1956.
1240. Shields, James T. 1957. Report of fisheries investigations during the fourth year of impoundment of Fort Randall reservoir.
1241. Shields, James T. 1957. Report of fisheries investigations during the second year of impoundment of Gavins Point reservoir.
1242. Shields, James T. 1958. Carp control through water drawdowns, Fort Randall and Gavins Point reservoirs, South Dakota, 1957.
1243. Shields, James T. 1958. Report of fisheries investigations during fifth year of impoundment of Fort Randall reservoir, 1957.
1244. Shields, James T. 1958. Report of fisheries investigations during the third year of impoundment of Gavins Point reservoir, 1957.
1245. Shields, James T. 1962. Tailwaters fishery survey, 1961.
1246. Shields, James T. and Jack Dean. 1959. Creel census and stocking evaluation of Spearfish Creek, 1958.
1247. Sinning, James A. 1966. Survey of the Big Sioux River (Progress Report).
1248. Sinning, James A. 1967. Survey of the Big Sioux River and associated drainages (Progress Report) June 1967.
1249. Sinning, James A. 1968. Big Sioux River investigations, South Dakota, 1968.
1250. Smith, Kevin and Michael L. Brown. 2001. Entrainment of ichthyoplankton through Big Bend dam, South Dakota (Completion Report).
1251. Soupir, Craig A. and Michael L. Brown. 2002. Comprehensive evaluation and modification of the South Dakota angler creel program.
1252. Sowards, Charles L. 1959. Creel census and trout stocking evaluation of Iron Creek Lake, 1957-1959.

1253. Sprague, James W. 1959. Report of fisheries investigations during the fourth year of impoundment of Gavins Point reservoir, 1958.
1254. Sprague, James W. 1959. Report of fisheries investigations during the sixth year of impoundment of Fort Randall reservoir, 1958.
1255. Sprague, James W. 1960. Report of fisheries investigations during the fifth year of impoundment of Gavins Point reservoir, 1959.
1256. Sprague, James W. 1960. Report of fisheries investigations during the seventh year of impoundment of Fort Randall reservoir, 1959.
1257. St. Sauver, Todd, David Lucchesi, and Allen Knapp. 2003. Statewide fisheries surveys, 2001 survey of public waters: Part 1 - lakes, Region III.
1258. Starostka, Andrew B., David W. Willis, and Todd St. Sauver. 1997. Food habits of walleye stocked into yellow perch rearing and ponds (Special Report).
1259. Starostka, Andrew B., Brian E. Van Zee, and David W. Willis. 1996. Food habits of largemouth bass and walleyes in Lake Cochrane, South Dakota.
1260. Stewart, R. Keith. 1959. Classification of lakes and streams in the Black Hills, 1958.
1261. Stewart, R. Keith. 1960. Classification of lakes and streams in the Black Hills, 1959.
1262. Stewart, R. Keith. 1960. Investigation and chemical rehabilitation of Deerfield reservoir, 1959.
1263. Stewart, R. Keith. 1961. Chemical rehabilitation of lakes in western South Dakota, 1960-1961.
1264. Stewart, R. Keith. 1961. Classification of lakes and streams in the Black Hills, South Dakota, 1960.
1265. Stewart, R. Keith. 1961. Evaluation of trout stocking at Shadehill reservoir, Perkins County, South Dakota, 1960.
1266. Stewart, R. Keith. 1961. Stream and lake inventories and evaluation of trout stocking in the Black Hills, South Dakota, 1960.
1267. Stewart, R. Keith. 1962. Classification of lakes and streams in the Black Hills, South Dakota, 1961.
1268. Stewart, R. Keith. 1962. Stream and lake inventories in the Black Hills, South Dakota, 1961.
1269. Stewart, R. Keith. 1962. Studies on the experimental use of herbicides in western South Dakota in 1961.
1270. Stewart, R. Keith. 1962. Creel census and fishing pressure estimates on trout waters in the Black Hills of South Dakota, 1961.
1271. Stewart, R. Keith. 1962. Watershed and stream improvement studies in the Black Hills of South Dakota, 1961 and 1962.
1272. Stewart, R. Keith. 1963. Creel census and fishing pressure estimates on trout waters in the Black Hills of South Dakota, 1962.
1273. Stewart, R. Keith. 1963. Inventory and classification of lakes and streams in the Black Hills area of South Dakota, 1962 and 1963.

1274. Stewart, R. Keith. 1963. Watershed and stream improvement studies in the Black Hills of South Dakota, 1961 and 1962.
1275. Stewart, R. Keith. 1964. Stream and lake inventory and classification in the Black Hills of South Dakota, 1964.
1276. Stewart, R. Keith. 1965. Watershed and stream improvement studies in the Black Hills, 1963-1964.
1277. Stone, Clifton C. 1985. Angler use and sport fishing harvest survey on Lake Francis Case, South Dakota, 1984 (Completion Report).
1278. Stone, Clifton C. 1985. Lewis and Clark Lake, fishing and hunting use survey, 1984 (Completion Report).
1279. Stone, Clifton C. 1987. Paddlefish harvest in the Missouri River below Gavins Point dam (Progress Report).
1280. Stone, Clifton C. 1991. An estimate of abundance and distribution of rainbow smelt in Lake Oahe reservoir using hydroacoustic techniques, 1990.
1281. Stone, Clifton C. 1995. Annual fish population and angler use and sport fish harvest surveys on Lake Francis Case, South Dakota, 1994 (Annual Report).
1282. Stone, Clifton C. 1996. Annual fish population, angler use, and sport fish harvest surveys on Lake Francis Case, South Dakota, 1995.
1283. Stone, Clifton C. 1996. South Dakota angler use and preference survey, Supplement 2, data breakdown by South Dakota Game, Fish and Parks regions and fisheries program areas.
1284. Stone, Clifton C. 1997. Annual fish population and angler use and sport fish harvest surveys Lake Francis Case, South Dakota, 1996 (Annual Report).
1285. Stone, Clifton C. 1997. Factors affecting walleye recruitment in Lake Francis Case (Completion Report).
1286. Stone, Clifton C. 1998. Annual fish population, angler use, and sport fish harvest surveys on Lake Francis Case, South Dakota, 1997 (Annual Report).
1287. Stone, Clifton C. and Janusz J. Burczynski. 1987. An estimate of abundance and distribution of rainbow smelt in Oahe reservoir using hydroacoustic techniques, 1986.
1288. Stone, Clifton C. and Janusz J. Burczynski. 1988. An estimate of abundance and distribution of rainbow smelt in Oahe reservoir using hydroacoustic techniques, 1987.
1289. Stone, Clifton C., David Fielder, Bruce Johnson, James C. Riis, Dennis Unkenholz, and Gerald Wickstrom. 1989. Annual fisheries surveys on the Missouri River reservoirs, 1988.
1290. Stone, Clifton C, Dave Fielder, and Dennis Unkenholz. 1993. Angler preference and attitude survey on Lakes Oahe, Sharpe, and Francis Case, South Dakota, 1992 (Completion Report).
1291. Stone, Clifton C. and Pat Neilson. 1990. An estimate of abundance and distribution of rainbow smelt in Lake Oahe reservoir using hydroacoustic techniques, 1988-1989.
1292. Stone, Clifton C., James Riis, and Bruce Johnson. 1994. Angler use and sport fishing harvest survey on Lakes Francis Case, Sharpe, and Oahe, South Dakota, 1992 and 1993 (Annual Report).
1293. Stone, Clifton C. and Jason Sorenson. 1999. Annual fish population and angler use and sport fish harvest surveys (Annual Report).

1294. Stone, Clifton C. and Jason Sorensen. 2000. Annual fish population and angler use and sport fish harvest surveys on Lake Francis Case, South Dakota, 1999 (Annual Report).
1295. Stone, Clifton C. and Jason Sorensen. 2001. Annual fish population and angler use and sport fish harvest surveys on Lake Francis Case.
1296. Stone, Clifton C. and Jason Sorensen. 2002. Annual fish population and angler use and sport fish harvest surveys on Lake Francis Case, South Dakota, 2001.
1297. Stone, Clifton C. and Jason Sorensen. 2003. Annual fish population and angler use and sport fish harvest surveys on Lake Francis Case, South Dakota, 2002.
1298. Stone, Clifton C. and Gerald Wickstrom. 1991. Angler use and sport fishing harvest survey on Lake Francis Case, South Dakota, 1989.
1299. Stone, Clifton C. and Gerald Wickstrom. 1991. Angler use and sport fishing harvest survey on Lake Francis Case and Fort Randall tailwaters, South Dakota, 1990.
1300. Streckfuss, Jerry. 1972. Statewide fisheries surveys, 1970-1971 (survey completion of permanent and semi-permanent waters), Region 4.
1301. Streckfuss, Jerry. 1973. Statewide fisheries surveys, 1971-1972 survey of marginal waters.
1302. Streckfuss, Jerry. 1974. Statewide fisheries surveys, 1972-1973 lake mapping.
1303. Streckfuss, Jerry. 1974. Statewide fisheries surveys, 1972-1973 (survey completion of permanent and semi-permanent waters), Region 4 (Progress Report).
1304. Streckfuss, Jerry. 1974. Statewide fisheries surveys, 1973-1974 lake mapping.
1305. Streckfuss, Jerry and Robert L. Krumm. 1973. Statewide fisheries surveys, 1971-1972 survey completion of permanent and semi-permanent waters, Region 4.
1306. Talsma, Arthur. 1976. Summarization of lake test netting data, 1975-1976 (Completion Report).
1307. Talsma, Arthur. 1977. Beneficial aspects of various walleye fry stocking densities in lakes with reproducing walleye populations (Progress Report).
1308. Talsma, Arthur. 1978. Beneficial aspects of various walleye fry stocking densities in lakes with reproducing walleye populations, 1977-1978.
1309. Talsma, Arthur R. 1985. South Dakota's salmon program - a perspective.
1310. Talsma, Arthur, Vernon Spykerman, and Robert L. Hanten. 1980. An application for construction of the Blue Dog Lake fish hatchery, Day County, South Dakota.
1311. Talsma, Arthur, Vernon Spykerman, and Robert L. Hanten. 1980. An application for construction of the Blue Dog Lake fish hatchery, Day County, South Dakota (Revised).
1312. Talsma, Arthur and David C. Hamm. 1980. The environmental assessment report for construction of the Blue Dog Lake fish hatchery, Day County, South Dakota.
1313. Thilenius, Carol A. 1965. An evaluation of pollution in the Belle Fourche and Cheyenne rivers due to wastes carried by Whitewood Creek, 1965.

1314. Thompson, Lloyd F. 1967. Creel census, fishing pressure estimates and economic survey on trout waters in the Black Hills, 1967.
1315. Thompson, Lloyd F. 1970. Creel census, fishing pressure estimates, and economic survey on trout waters in the Black Hills, 1967.
1316. Unkenholz, Dennis G. 1972. Feasibility of stocking yellow perch in a winterkill lake, 1970-1971.
1317. Unkenholz, Dennis G. 1973. Creel survey of selected warmwater fisheries, South Dakota, 1971-1972 (Progress Report).
1318. Unkenholz, Dennis G. 1973. To investigate the feasibility of stocking subcatchable yellow perch in winterkill lakes.
1319. Unkenholz, Dennis G. 1974. Creel survey of selected warmwater fisheries, 1972-1973.
1320. Unkenholz, Dennis G. 1974. Creel survey of selected warmwater fisheries, South Dakota, 1973-1974.
1321. Unkenholz, Dennis G. 1974. Evaluation of fisheries provided by stocking yellow perch in selected marginal lakes, 1972-1973.
1322. Unkenholz, Dennis G. 1974. Evaluation of fisheries provided by stocking yellow perch in selected marginal lakes, 1973-1974.
1323. Unkenholz, Dennis G. 1975. Evaluation of fisheries provided by stocking yellow perch in selected marginal lakes, 1974-1975.
1324. Unkenholz, Dennis G. 1975. Creel survey of selected warmwater fisheries, 1971-1974 (Completion Report).
1325. Unkenholz, Dennis G. 1976. Evaluation of fisheries provided by stocking yellow perch in selected marginal lakes, 1969-1975 (Completion Report).
1326. Unkenholz, Dennis G. 1977. Investigation of paddlefish populations in South Dakota and development of management plans, 1976 (Progress Report).
1327. Unkenholz, Dennis G. 1978. Investigation of paddlefish populations in South Dakota and development of management plans, 1977.
1328. Unkenholz, Dennis G. 1979. Investigation of the paddlefish population and recruitment in the Missouri River below Gavins Point dam.
1329. Unkenholz, Dennis G. 1979. Investigation of paddlefish populations in South Dakota and development of management plans.
1330. Unkenholz, Dennis G. 1980. Investigation of the paddlefish population and recruitment in the Missouri River below Gavins Point dam (Progress Report).
1331. Unkenholz, Dennis G. 1980. Paddlefish spawning movements and reproductive success in the Missouri River below Fort Randall dam, 1979 (Progress Report).
1332. Unkenholz, Dennis G. 1981. Investigation of the paddlefish population and recruitment in the Missouri River below Gavins Point dam (Progress Report).
1333. Unkenholz, Dennis G. 1981. Paddlefish spawning movements and reproductive success in the Missouri River below Fort Randall dam (Progress Report).

1334. Unkenholz, Dennis G. 1982. Gregory County pumped-storage project (Progress Report).
1335. Unkenholz, Dennis G. 1982. Investigation of the paddlefish populations and recruitment in the Missouri River below Gavins Point dam (Completion Report).
1336. Unkenholz, Dennis G. 1982. Paddlefish spawning movements and reproductive success in the Missouri River below Fort Randall dam, 1979-1981 (Progress Report).
1337. Unkenholz, Dennis G. 1983. Game, Fish, and Parks information memorandum for Gregory County pumped - storage facility.
1338. Unkenholz, Dennis G. 1984. Gregory County pumped - storage project (Progress Report).
1339. Unkenholz, Dennis G. 1998. Fish stocking report (Annual Report).
1340. Unkenholz, Dennis G. 1998. South Dakota Game, Fish and Parks 1997 annual technical fish stocking report (Annual Report).
1341. Unkenholz, Dennis G. 1999. Fish stocking report (Annual Report).
1342. Unkenholz, Dennis G. 1999. South Dakota Game, Fish and Parks 1998 annual technical fish stocking report (Annual Report).
1343. Unkenholz, Dennis G. 2000. Fish stocking report (Annual Report).
1344. Unkenholz, Dennis G. 2000. South Dakota Game, Fish and Parks 1999 annual technical fish stocking report (Annual Report).
1345. Unkenholz, Dennis. 2001. Annual technical fish stocking report (Annual Report).
1346. Unkenholz, Dennis G. 2001. Fish stocking report (Annual Report).
1347. Unkenholz, Dennis G., Paul H. Michaletz, and Clifton C. Stone. 1981. Fisheries studies related to the Gregory County storage project, 1981.
1348. Unkenholz, Dennis G., Gary M. Marrone, and Clifton C. Stone. 1987. Hydroacoustics - a management tool for South Dakota Missouri River reservoirs (for a symposium).
1349. Van Ray, Larry C. 1967. An experimental stocking of smallmouth bass in peripheral Black Hill's streams, 1967.
1350. Van Ray, Larry C. 1967. Evaluation of artificial aeration in Stockade Lake, 1967.
1351. Van Ray, Larry C. 1967. Water pollution investigation, Battle Creek, South Dakota, 1967.
1352. Van Ray, Larry C. 1968. Evaluation of artificial aeration in Stockade Lake, South Dakota, 1968.
1353. Van Ray, Larry C. 1968. Water pollution investigation, Battle Creek, South Dakota, 1968.
1354. Van Zee, Brian, Christopher S. Guy, and David W. Willis. 1994. Electrofishing injury rates for largemouth bass, smallmouth bass, and bluegills collected with pulsed DC and high output, pulsed AC (Special Report).
1355. Vandel, George. 1986. Significant wildlife habitat, James River, South Dakota.

1356. Vanderbush, Lee. 1981. Chemical renovation of Bear Butte Lake, Meade County, South Dakota (Completion Report).
1357. Vanderbush, Lee. 1982. Chemical renovation of Deerfield reservoir, Pennington County (Environmental Assessment Report).
1358. Vanderbush, Lee. 1984. Chemical renovation of Deerfield Lake, Pennington County, South Dakota, 1984.
1359. Volk, A. A. and V. E. Montgomery. 1973. The economic impact of sport fishing in South Dakota, 1972, with notes on angler traits.
1360. Wagers, Robert. 1986. 1983 Blue Dog state fish hatchery production report.
1361. Wagers, Robert. 1986. 1984 Blue Dog state fish hatchery production report.
1362. Wagers, Robert and Jerry Broughton. 1989. 1987 Blue Dog state fish hatchery production report.
1363. Wagers, Robert, Jerry Broughton, Thomas C. Moen, E. Holm, R. Smidt, and R. Whitlock. 1999. Annual fish production report Blue Dog Lake state fish hatchery (Annual Report).
1364. Wagers, Robert, G. Young, and R. Cordes. 1996. Annual fish production report Blue Dog Lake fish hatchery, Cleghorn Springs fish hatchery, McNenny fish hatchery, Whitlocks spawning and imprinting station (Annual Report).
1365. Wagers, B., G. Young, and Rick Cordes. 1998. Annual fish production report Blue Dog Lake fish hatchery, Cleghorn Springs fish hatchery, McNenny fish hatchery (Annual Report).
1366. Wagers, Bob, Greg Young, Rick Cordes, and Gary Marrone. 1994. 1992 Annual fish production report Blue Dog Lake fish hatchery, Cleghorn Springs fish hatchery, McNenny fish hatchery, Whitlocks spawning and imprinting station (Annual Report).
1367. Wagers, Bob, G. Young, Rick Cordes, and Gary Marrone. 1994. Annual fish production report Blue Dog Lake fish hatchery, Cleghorn Springs fish hatchery, McNenny fish hatchery, Whitlocks spawning and imprinting station (Annual Report).
1368. Wagers, B., G. Young, Rick Cordes, and Gary Marrone. 1995. Annual fish production report Blue Dog Lake fish hatchery, Cleghorn Springs fish hatchery, McNenny fish hatchery, Whitlocks spawning and imprinting station.
1369. Warnick, Donald C. 1968. Commercial fishing industry survey, South Dakota 1967-1968 (Annual Report).
1370. Warnick, Donald C. 1969. Commercial fish industry survey, South Dakota 1968-1969 (Annual Report).
1371. Warnick, Donald C. 1969. Evaluation of floating trap nets as a commercial fishing gear (Annual Report).
1372. Warnick, Donald C. 1970. Commercial fish industry survey, South Dakota 1968-1969 (Annual Report).
1373. Warnick, Donald C. 1970. Evaluation of floating trap nets as a commercial fishing gear (Annual Report).
1374. Warnick, Donald C. 1971. Commercial fish industry survey, South Dakota, 1969.
1375. Warnick, Donald C. 1971. Commercial fish survey, 1970.
1376. Warnick, Donald C. 1972. Evaluation of floating trap nets as a commercial fishing gear, 1968-1970.

1377. Warnick, Donald C. 1972. Under-ice seining catch rate increases and population assessments by horizontal sonar sounding, 1971-1972 (Progress Report).
1378. Warnick, Donald C. 1972. Walleye movements from Lake Kampeska based on anglers reports of tagged fish recoveries, 1966-1972.
1379. Warnick, Donald C. 1973. Commercial fish industry survey, 1971.
1380. Warnick, Donald C. 1973. Investigation of paddlefish populations in South Dakota and development of management plans, 1972 (Progress Report).
1381. Warnick, Donald C. 1974. Commercial fishing publication.
1382. Warnick, Donald C. 1974. Sonar use in locating fish aggregations for commercial seining under the ice, 1970-1973.
1383. Warnick, Donald C. 1976. Commercial fishing publication project (Progress Report revised).
1384. Warnick, Donald C. 1977. The introduction of selected fish species into Lake Oahe and its tailwaters, South Dakota, 1976-1977.
1385. Warnick, Donald C. 1978. The introduction of selected fish species into Lake Oahe and its tailwaters, South Dakota, 1977-1978.
1386. Warnick, Donald C. 1979. The introduction of selected fish species into Lake Oahe, South Dakota, 1978-1979.
1387. Warnick, Donald C. 1980. The introduction of selected fish species into Lake Oahe, South Dakota 1979-1980.
1388. Warnick, Donald C. 1981. The introduction of selected fish species into Lake Oahe, South Dakota, 1980.
1389. Warnick, Donald C. 1982. The introduction of selected fish species into Lake Oahe, South Dakota, 1981 (Progress Report).
1390. Warnick, Donald C. 1983. The introduction of selected fish species into Lake Oahe, South Dakota.
1391. Warnick, Donald C. 1987. The introduction of selected fish species into the Missouri River system, 1984-1985.
1392. Weber, Don T. 1959. Northern lake fishery investigations, 1958.
1393. Weber, Don T. 1960. Classification of lakes in northern South Dakota, 1959.
1394. Weber, Don T. 1960. Test netting and seining of northern lakes, 1959.
1395. Weber, Don T. 1961. Classification of lakes in South Dakota, 1960.
1396. Weber, Don T. 1961. Investigation of walleye reproduction and stocking success in northern South Dakota lakes, 1960.
1397. Weber, Don T. 1961. Investigations of the thermal and chemical cycle of Pickerel Lake, 1960.
1398. Weber, Don T. 1961. Test netting and investigations of northern South Dakota lakes, 1960.
1399. Weber, Don T. 1962. Classification of lakes in South Dakota, 1961.

1400. Weber, Don T. 1962. Investigation of walleye reproduction and stocking success in northern South Dakota lakes, 1961.
1401. Weber, Don T. 1963. Investigation of walleye reproduction and stocking success in eastern lakes, 1962.
1402. Weber, Don T. 1965. Classification of lakes in South Dakota, 1964.
1403. Welsh, Robert J. 1986. South Dakota baitfish harvest summary, 1985.
1404. Whitcer, Michael and Richard Ford. 1991. An evaluation of introduced sport and forage fish species in Pactola reservoir, 1989-1990.
1405. White, Marvin and University of South Dakota for Game, Fish and Parks Business Research Bureau. 1962. The economic impact of sport fishing in South Dakota.
1406. Wickstrom, Gerald. 1995. Annual fish population survey and assessment of fish communities on Lewis and Clark Lake, and angler use and harvest survey on Lewis and Clark Lake and Gavins Point dam tailwater, 1994 (Annual Report).
1407. Wickstrom, Gerald. 1997. Annual fish population survey of Lewis and Clark Lake, 1996 (Annual Report).
1408. Wickstrom, Gerald. 1998. Annual fish population survey of Lewis and Clark Lake, 1997 (Annual Report).
1409. Wickstrom, Gerald. 1999. Annual fish population survey of Lewis and Clark Lake, 1998 (Annual Report).
1410. Wickstrom, Gerald. 2000. Annual fish population surveys of Lewis and Clark Lake, 1999, and abundance and distribution of walleye, saugeye, sauger, and white crappie (Annual Report).
1411. Wickstrom, Gerald. 2001. Annual fish population surveys of Lewis and Clark Lake and Missouri River creel survey, 2000.
1412. Wickstrom, Gerald. 2002. Annual fish population surveys of Lewis and Clark Lake, 2001 (Annual Report).
1413. Wickstrom, Gerald. 2003. Annual fish population surveys of Lewis and Clark Lake, 2002.
1414. Wickstrom, Gerald, David Fielder, Bruce Johnson, John Lott, James Riis, and Clifton Stone. 1993. Annual fish population surveys on South Dakota Missouri River reservoirs, 1992.
1415. Wickstrom, Gerald, Dave Fielder, Bruce Johnson, James Riis, Cliff Stone, and Don Warnick. 1991. Annual fish population surveys on South Dakota Missouri River reservoirs, 1990.
1416. Wickstrom, Gerald, Clifton C. Stone, and Gerald Mestl. 2002. South Dakota and Nebraska 2001 Missouri River creel surveys.
1417. Willis, David, Christopher Guy, and Brian Murphy. 1989. Development and evaluation of a proposed standard weight (W_s) equation for yellow perch.
1418. Willis, David W., Daniel A. Isermann, Matthew J. Hubers, Bruce A. Johnson, William H. Miller, Todd St. Sauver, Jason S. Sorensen, Eric G. Unkenholz, and Gerald A. Wickstrom. 2001. Growth of South Dakota fisheries: a statewide summary with means by region and water type (Special Report).
1419. Willis, David W., David O. Lucchesi, and Brian G. Blackwell. 1997. Influence of aquatic vegetation on natural recruitment of some centrarchid, esocid, and percid fishes: a literature review 1997 (Special Report).

1420. Willis, David W. and Robert Neumann. 1994. Largemouth bass and panfish management strategies for small impoundments and ponds in South Dakota (Special Report).
1421. Wilson, Stephen K., David W. Willis, and Matthew J. Hubers. 2000. Assessment of a management strategy for Lake Cochrane (Completion Report).
1422. Wintersteen, K. 1993. Degassing/aeration/oxygen injection system at Cleghorn Springs fish hatchery (Completion Report).
1423. Young, G., Keith Wintersteen, John Carreiro, C. Foreman, and J. Hix. 1999. Annual fish production report Cleghorn Springs state fish hatchery (Annual Report).

Section II- Indexes

Keyword Index

The following keyword index was designed to aid researchers interested in a particular topic.

- Abundance** 23, 57, 64, 68, 69, 79, 81, 83, 89, 91, 99, 100, 101, 104, 108, 111, 115, 119, 120, 121, 124, 125, 151, 163, 165, 166, 172, 178, 193, 191, 199, 205, 213, 214, 215, 216, 234, 244, 246, 253, 254, 256, 258, 267, 272, 274, 280, 286, 288, 289, 292, 300, 312, 313, 314, 322, 341, 347, 346, 343, 354, 355, 361, 363, 367, 374, 395, 396, 400, 402, 408, 406, 409, 412, 413, 421, 429, 430, 437, 439, 448, 449, 452, 465, 467, 481, 483, 487, 488, 501, 504, 516, 519, 522, 524, 536, 537, 539, 544, 547, 549, 556, 559, 562, 569, 570, 589, 590, 591, 631, 633, 649, 659, 686, 689, 693, 707, 708, 710, 714, 715, 725, 731, 735, 736, 737, 738, 740, 741, 743, 744, 747, 748, 752, 756, 758, 765, 768, 784, 786, 788, 795, 797, 803
- Age** 26, 59, 64, 79, 104, 117, 122, 125, 148, 149, 162, 169, 173, 183, 199, 202, 205, 213, 214, 215, 216, 221, 234, 240, 248, 258, 259, 263, 264, 265, 267, 292, 297, 298, 302, 312, 325, 326, 327, 345, 355, 361, 372, 374, 376, 378, 383, 400, 401, 402, 406, 415, 421, 424, 436, 444, 450, 451, 452, 454, 466, 467, 479, 483, 488, 495, 496, 501, 504, 524, 526, 535, 540, 543, 550, 556, 557, 574, 577, 578, 583, 588, 589, 590, 591, 594, 597, 598, 603, 612, 618, 620, 624, 631, 639, 642, 644, 651, 656, 667, 668, 675, 677, 692, 693, 696, 700, 715, 717, 724, 723, 726, 725, 733, 734, 735, 736, 738, 742, 745, 746, 748, 756, 765, 778, 782, 783, 784, 785, 786, 790, 795, 800, 803
- Anatomy** 19, 20, 33, 37, 159, 261, 336, 344, 351, 417, 438, 509, 600, 665, 668, 680, 711, 718, 719, 772, 773, 794
- Archeology** 1, 3, 4, 5, 37, 75, 144, 145, 152, 161, 176, 180, 208, 211, 227, 230, 231, 260, 261, 271, 279, 284, 305, 316, 328, 373, 422, 441, 442, 443, 456, 459, 468, 470, 469, 486, 503, 568, 579, 663, 673, 684, 690, 761, 789, 793
- Baitfish** 93, 367, 491, 492, 493
- Behavior** 173, 296, 334, 335, 471, 482, 540, 666, 672, 698, 736, 794, 801
- Bibliography** 70, 98, 154, 171, 205, 209, 255, 281, 282, 364, 387, 391, 398, 571, 580, 581, 669, 797
- Bioenergetics** 134, 136, 206, 258, 355, 411, 457
- Catch Effort** 60, 104, 201, 240, 246, 269, 301, 360, 363, 374, 396, 444, 445, 496, 502, 551, 553, 584, 585, 588, 590, 591, 670, 717, 786
- Commercial Fishery** 146, 147, 151, 172, 234, 266, 280, 349, 350, 413, 491, 492, 504, 760
- Condition Factor / Index** 162, 183, 199, 291, 301, 361, 363, 531, 532, 533, 535, 552, 556, 685, 687, 689, 696, 700, 729, 777, 780
- Creel** 15, 25, 65, 79, 95, 89, 104, 105, 108, 113, 118, 131, 140, 151, 166, 192, 200, 201, 238, 259, 272, 285, 286, 346, 350, 374, 382, 387, 444, 445, 491, 493, 505, 508, 540, 560, 565, 566, 576, 606, 630, 653, 670, 671, 686, 707, 784, 786
- Culture** 7, 18, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 50, 51, 53, 54, 56, 72, 73, 81, 82, 88, 92, 94, 123, 130, 195, 198, 225, 232, 247, 282, 321, 326, 327, 335, 352, 365, 419, 423, 424, 461, 462, 473, 480, 545, 561, 563, 599, 600, 601, 602, 610, 611, 617, 641, 651, 654, 655, 657, 658, 660, 716, 730, 732, 734, 769, 770, 771, 791
- Diet** 17, 18, 22, 23, 26, 27, 61, 84, 114, 123, 133, 135, 136, 139, 153, 185, 197, 206, 243, 244, 246, 248, 258, 265, 268, 269, 275, 288, 290, 293, 320, 321, 324, 332, 333, 340, 344, 352, 355, 357, 362, 375, 380, 381, 383, 387, 388, 407, 409, 411, 428, 433, 434, 435, 450, 452, 453, 457, 458, 464, 466, 467, 478, 479, 480, 490, 495, 510,

515, 539, 555, 561, 570, 578, 583, 594, 597, 598, 600, 601, 602, 603, 604, 611, 612, 613, 620, 626, 627, 631, 644, 655, 656, 661, 662, 664, 665, 674, 675, 676, 677, 679, 693, 694, 700, 713, 726, 725, 729, 730, 742, 745, 748, 755, 769, 786, 802

Disease 8, 12, 40, 46, 116, 168, 207, 365, 368, 370, 371, 369, 387, 461, 484, 561, 565, 572, 779, 800

Distribution 15, 18, 31, 33, 62, 67, 79, 91, 101, 109, 110, 115, 120, 124, 137, 156, 167, 173, 177, 179, 180, 181, 182, 186, 190, 193, 199, 201, 203, 205, 210, 217, 219, 221, 254, 256, 258, 259, 274, 280, 294, 296, 304, 322, 334, 335, 340, 341, 345, 346, 390, 406, 408, 413, 414, 421, 429, 438, 449, 460, 476, 477, 481, 498, 518, 519, 520, 522, 536, 537, 539, 541, 550, 555, 562, 568, 570, 589, 596, 605, 607, 612, 616, 617, 631, 633, 644, 645, 647, 649, 656, 659, 672, 688, 694, 700, 706, 710, 712, 721, 752, 756, 765, 766, 768, 775, 786, 796, 797

Drawdown 76, 77, 135, 542, 543, 582, 740, 743, 746

Drought 386, 576, 622, 645

Dugouts 195, 389, 462, 610, 611, 641, 730

Economics 93, 273, 286, 350, 491, 508, 560, 606, 670

Eggs 41, 43, 44, 45, 46, 47, 48, 49, 50, 52, 53, 54, 282, 326, 473, 474, 539, 541, 542, 565, 585, 655, 682

Electrofishing 347, 360, 374, 427, 483, 496, 502, 584, 719, 720, 747

Embryo and Larval 9, 10, 19, 20, 21, 38, 39, 79, 81, 196, 229, 239, 241, 244, 246, 312, 315, 326, 327, 341, 379, 445, 537, 539, 583, 585, 588, 589, 597, 601, 602, 654, 655, 656, 667, 759, 770, 771, 791

Endangered / Threatened / Rare 27, 85, 86, 90, 91, 115, 120, 124, 172, 182, 186, 191, 192, 194, 201, 218, 219, 278, 280, 323, 336, 340, 341, 344, 348, 366, 391, 413, 414, 415, 417, 489, 506, 507, 564, 596, 621, 629, 646, 688, 709, 722, 749, 750, 751, 764, 765, 766, 774, 775

Equipment 5, 17, 23, 24, 59, 60, 62, 68, 69, 72, 94, 99, 100, 101, 102, 104, 109, 110, 111, 113, 122, 131, 147, 163, 164, 165, 167, 173, 182, 189, 191, 195, 214, 215, 234, 239, 241, 246, 258, 263, 264, 266, 267, 304, 314, 345, 347, 349, 354, 358, 360, 374, 379, 395, 396, 397, 421, 427, 429, 430, 451, 496, 502, 504, 519, 522, 543, 549, 547, 551, 553, 588, 589, 590, 605, 633, 644, 659, 677, 708, 709, 719, 720, 726, 738, 747, 752, 755, 756, 768, 785, 784

Fecundity 10, 40, 50, 53, 59, 76, 80, 120, 139, 153, 190, 199, 202, 205, 240, 264, 265, 272, 277, 289, 294, 303, 315, 336, 340, 344, 345, 377, 400, 401, 403, 406, 408, 413, 460, 473, 496, 501, 504, 519, 522, 539, 540, 541, 542, 544, 553, 558, 582, 583, 585, 586, 590, 591, 619, 652, 656, 694, 697, 698, 700, 731, 740, 743, 744, 745, 746, 756, 765, 784, 786

Fingerlings 9, 22, 81, 88, 454, 461, 716, 791

Fish kill 12, 89, 386

Food and feeding 7, 19, 21, 26, 35, 36, 38, 39, 65, 77, 84, 109, 110, 123, 133, 134, 139, 141, 142, 143, 150, 153, 159, 169, 185, 195, 197, 198, 202, 205, 246, 248, 259, 264, 265, 268, 269, 270, 275, 288, 290, 293, 308, 320, 321, 324, 327, 332, 333, 355, 357, 362, 375, 380, 381, 383, 387, 388, 407, 409, 413, 426, 428, 433, 434, 435, 447, 450, 452, 458, 462, 464, 466, 467, 472, 475, 478, 479, 480, 490, 495, 504, 510, 515, 541, 547, 555, 558, 559, 561, 578, 583, 594, 597, 598, 600, 601, 602, 603, 604, 610, 611, 612, 613, 618, 621, 620, 626, 627, 631, 641, 644, 655, 656, 661, 662, 664, 667, 674, 675, 676, 677, 679, 685, 693, 700, 713, 714, 715, 723, 725, 726, 730, 733, 738, 742, 744, 745, 746, 747, 748, 749, 752, 755, 768, 769, 770, 771, 772, 773, 779, 798, 791, 802

Forage fish 22, 35, 68, 81, 82, 134, 137, 139, 232, 272, 407, 450, 451, 452, 597, 618, 699, 731, 733, 741, 755

Genetics 7, 94, 95, 102, 103, 196, 228, 229, 248, 250, 419, 473, 538, 657, 658, 718, 757, 791, 794

Growth 22, 23, 41, 57, 59, 61, 65, 79, 81, 99, 104, 117, 123, 130, 134, 139, 148, 149, 162, 169, 183, 185, 195, 196, 199, 202, 205, 213, 214, 215, 216, 222, 232, 234, 239, 246, 248, 254, 258, 259, 264, 265, 268, 269, 270, 272, 277, 288, 289, 291, 292, 294, 295, 297, 298, 301, 302, 308, 312, 313, 317, 320, 321, 325, 343, 345, 352, 356, 361, 363, 372, 376, 381, 387, 397, 402, 406, 407, 412, 413, 421, 423, 424, 426, 427, 428, 436, 437, 445, 450, 452, 453, 462, 464, 466, 471, 473, 483, 488, 490, 496, 504, 513, 514, 516, 517, 519, 522, 526, 535, 540, 541, 543, 547, 550, 555, 556, 557, 563, 572, 577, 582, 584, 586, 594, 595, 599, 600, 610, 611, 612, 616, 618, 620, 639, 641, 644, 650, 651, 656, 657, 658, 662, 668, 677, 686, 685, 687, 689, 692, 693, 694, 696, 698, 700, 717, 723, 725, 725, 731, 733, 734, 741, 743, 744, 745, 746, 747, 748, 765, 768, 769, 770, 771, 778, 780, 781, 782, 783, 784, 786, 790, 791, 795

Habitat 10, 13, 14, 17, 23, 24, 27, 30, 32, 57, 58, 67, 79, 83, 84, 89, 90, 91, 96, 97, 101, 109, 110, 111, 115, 119, 120, 121, 124, 125, 132, 173, 178, 179, 182, 185, 190, 192, 194, 202, 203, 205, 206, 210, 218, 219, 221, 240, 244, 245, 253, 263, 267, 278, 287, 292, 294, 300, 304, 310, 311, 312, 315, 318, 322, 323, 327, 336, 341, 342, 348, 391, 402, 406, 407, 409, 410, 412, 413, 426, 429, 430, 437, 440, 447, 448, 449, 460, 466, 472, 481, 496, 498, 499, 507, 513, 524, 526, 539, 542, 544, 555, 558, 559, 569, 570, 582, 583, 586, 587, 588, 596, 605, 612, 616, 622, 624, 631, 632, 633, 636, 640, 643, 645, 648, 649, 652, 659, 669, 672, 683, 685, 687, 689, 691, 697, 700, 703, 706, 707, 710, 712, 732, 737, 738, 743, 746, 747, 749, 750, 752, 755, 765, 766, 776, 779, 788, 794, 795, 796, 797, 801, 803

Hatchery 7, 21, 40, 42, 43, 44, 45, 46, 47, 48, 50, 51, 52, 53, 54, 55, 56, 66, 94, 123, 187, 196, 202, 225, 247, 248, 273, 282, 317, 320, 321, 326, 365, 419, 420, 447, 461, 462, 480, 482, 545, 563, 565, 599, 600, 601, 610, 611, 621, 654, 655, 660, 682, 732, 734, 770, 771, 791

Historic 1, 3, 4, 5, 31, 32, 70, 78, 79, 89, 91, 118, 123, 133, 138, 141, 142, 143, 156, 157, 161, 175, 176, 178, 179, 180, 186, 187, 191, 193, 202, 208, 223, 224, 225, 226, 227, 230, 231, 260, 262, 271, 279, 280, 281, 284, 305, 319, 328, 330, 348, 350, 351, 373, 386, 394, 406, 414, 420, 422, 440, 441, 442, 443, 456, 468, 469, 470, 477, 486, 503, 569, 570, 571, 579, 607, 663, 664, 673, 684, 690, 703, 706, 761, 789, 793

Interspecies Relationships 57, 65, 292, 426, 795

Introduced / Exotic 35, 57, 58, 91, 97, 177, 179, 181, 192, 236, 237, 258, 268, 269, 276, 287, 317, 320, 321, 335, 348, 407, 411, 428, 461, 464, 477, 496, 518, 564, 583, 596, 632, 649, 681, 697, 708, 710, 795

Length frequency 163, 165, 232, 252, 302, 312, 325, 363, 379, 421, 444, 445, 451, 452, 454, 551, 556, 557, 585, 594, 656, 686, 778, 785, 790

Length-Weight Relationships 22, 63, 83, 104, 106, 107, 112, 113, 117, 126, 148, 149, 153, 162, 169, 183, 232, 242, 249, 252, 263, 289, 295, 301, 310, 311, 325, 345, 356, 372, 396, 407, 415, 417, 421, 451, 462, 483, 500, 504, 524, 533, 531, 532, 535, 543, 557, 657, 658, 677, 692, 724, 725, 726, 734, 745, 777, 778, 781, 803

Life History 59, 84, 151, 201, 202, 205, 258, 264, 265, 278, 281, 322, 355, 387, 404, 412, 413, 438, 524, 541, 547, 555, 570, 588, 616, 621, 624, 656, 694, 698, 725, 731, 741, 803

Management-General 10, 13, 25, 27, 89, 91, 112, 118, 126, 127, 137, 155, 165, 190, 191, 192, 194, 199, 200, 201, 218, 219, 220, 240, 251, 294, 299, 301, 313, 326, 329, 340, 342, 343, 346, 348, 350, 387, 395, 406, 416, 413, 421, 454, 497, 499, 505, 507, 520, 531, 533, 566, 569, 578, 582, 606, 622, 636, 653, 669, 672, 674, 689, 700, 703, 707, 737, 746, 757, 764, 766, 768, 775, 776, 777, 779, 787, 780, 784, 782

Management-Large Impoundments 68, 69, 76, 77, 78, 79, 80, 90, 137, 151, 153, 213, 214, 215, 216, 238, 255, 258, 259, 264, 272, 287, 303, 325, 355, 380, 381, 383, 388, 400, 401, 402, 403, 404, 457, 458, 466, 478, 483, 490, 496, 505, 539, 540, 541, 542, 549, 652, 653, 671, 686, 715, 731, 736, 740, 741, 743

Management-Small Impoundments 99, 100, 105, 108, 131, 195, 196, 277, 288, 289, 290, 291, 292, 297, 298, 300, 302, 303, 314, 317, 320, 324, 354, 360, 361, 374, 424, 427, 428, 434, 439, 445, 446, 511, 516, 517, 530, 556, 583, 584, 585, 587, 588, 589, 597, 625, 685, 687, 713, 714, 747, 748, 755, 756, 783, 785, 788

Marking and Tagging 15, 90, 94, 109, 129, 131, 163, 166, 167, 168, 221, 222, 229, 238, 240, 253, 259, 277, 291, 296, 304, 329, 346, 347, 427, 446, 454, 519, 520, 522, 540, 572, 574, 583, 587, 612, 616, 617, 638, 656, 672, 712, 716, 735, 736, 752, 756, 757, 786

Mercury 220, 339, 418, 471, 474, 578, 622, 634, 753, 754

Migration 68, 91, 124, 152, 192, 201, 322, 397, 408, 538, 624, 656, 672, 700, 712, 750

Morphology 67, 95, 317, 416, 417, 448, 509, 518, 522, 563, 614, 615, 654, 668, 680, 698, 711, 717, 718, 757, 765, 794, 803

Mortality 21, 199, 238, 239, 382, 421, 427, 454, 547, 638, 786

Movement 15, 18, 62, 67, 79, 91, 109, 110, 115, 120, 124, 137, 156, 167, 177, 179, 180, 181, 182, 186, 190, 193, 199, 201, 203, 205, 210, 219, 221, 258, 259, 274, 280, 294, 296, 304, 322, 334, 335, 340, 345, 346, 406, 408, 413, 414, 421, 429, 438, 449, 460, 465, 476, 477, 481, 498, 519, 520, 522, 536, 537, 540, 541, 550, 555, 562, 568, 570, 589, 596, 605, 607, 612, 616, 617, 631, 633, 644, 645, 647, 649, 656, 659, 672, 694, 700, 706, 710, 712, 721, 752, 756, 765, 766, 768, 775, 786, 796, 797

Multiple Species 2, 8, 17, 22, 23, 26, 27, 57, 58, 65, 68, 69, 74, 76, 77, 78, 79, 80, 82, 89, 90, 91, 92, 97, 101, 106, 107, 109, 110, 111, 112, 116, 125, 127, 135, 138, 156, 157, 159, 170, 179, 180, 182, 184, 186, 188, 190, 191, 193, 199, 201, 203, 216, 223, 225, 285, 286, 287, 297, 299, 300, 310, 311, 317, 318, 323, 330, 348, 350, 361, 366, 369, 402, 403, 408, 409, 412, 429, 430, 439, 448, 449, 466, 481, 487, 489, 490, 491, 498, 505, 506, 507, 509, 511, 530, 532, 533, 537, 539, 554, 555, 560, 562, 564, 569, 570, 582, 596, 598, 605, 622, 625, 626, 627, 629, 631, 632, 636, 646, 647, 649, 653, 659, 662, 664, 665, 680, 685, 687, 689, 696, 700, 706, 708, 710, 714, 732, 733, 737, 743, 744, 746, 752, 755, 764, 775, 787

Parasite 8, 32, 41, 44, 71, 116, 154, 168, 207, 364, 365, 368, 370, 371, 369, 387, 461, 484, 494, 561, 565, 572, 681, 779, 800

Physiology 54, 55, 56, 94, 103, 134, 136, 184, 258, 318, 325, 361, 363, 374, 382, 383, 424, 436, 451, 454, 473, 474, 502, 540, 541, 553, 556, 557, 558, 578, 584, 585, 589, 590, 594, 593, 599, 622, 636, 657, 658, 660, 662, 668, 677, 686, 698, 701, 717, 759, 763, 772, 786, 778, 801

Pollution 12, 16, 155, 158, 190, 193, 202, 212, 220, 240, 283, 317, 318, 335, 339, 347, 353, 418, 429, 432, 447, 471, 472, 474, 475, 498, 521, 534, 558, 559, 567, 578, 592, 593, 609, 622, 628, 634, 706, 707, 729, 734, 753, 754, 763, 776

Pond culture 321, 423, 447, 651, 658

Population Studies 14, 23, 24, 30, 57, 58, 60, 64, 78, 83, 92, 94, 99, 100, 104, 105, 108, 109, 111, 121, 122, 124, 125, 126, 131, 132, 134, 139, 163, 164, 165, 166, 173, 190, 191, 193, 199, 201, 204, 206, 215, 226, 233, 237, 240, 246, 253, 259, 264, 268, 269, 280, 288, 292, 312, 313, 314, 325, 335, 341, 355, 360, 361, 363, 374, 377, 387, 395, 406, 413, 421, 437, 439, 444, 445, 446, 448, 450, 451, 452, 453, 454, 465, 473, 475, 483, 499, 519, 530, 531, 533, 536, 537, 540, 541, 544, 553, 554, 556, 562, 575, 584, 586, 589, 590, 591, 617, 624, 625, 631, 632, 639, 640, 645, 647, 650, 658, 666, 672, 674, 678, 686, 687, 689, 696, 708, 720, 717, 718, 724, 738, 740, 741, 743, 747, 748, 752, 753, 755, 756, 757, 765, 768, 780, 781, 784, 785, 786, 787, 791

Power Plant Ponds 18, 81, 82, 88, 99, 100, 232, 334, 335, 338, 433, 434, 435, 460, 461, 464, 733, 734, 735, 756, 769, 796

Predator/Prey Interactions 17, 38, 39, 46, 57, 58, 81, 88, 120, 132, 135, 136, 185, 204, 206, 222, 248, 268, 269, 290, 355, 362, 375, 381, 383, 411, 427, 433, 457, 458, 488, 495, 497, 514, 544, 584, 602, 604, 626, 627, 643, 644, 662, 677, 679, 699, 700, 747, 748, 755, 768, 784, 791, 795

Recruitment 199, 237, 363, 501, 588, 590, 591, 584, 686, 784, 786

Regulations 25, 104, 105, 108, 118, 172, 188, 218, 280, 340, 343, 350, 366, 421, 444, 445, 491, 492, 496, 511, 556, 565, 573, 629, 653, 670, 686, 707, 784, 779

Relative weight 126, 201, 240, 295, 531, 532, 533, 552

Reproduction 10, 40, 50, 53, 59, 65, 76, 80, 120, 139, 153, 190, 199, 202, 205, 240, 264, 265, 272, 277, 289, 294, 303, 312, 315, 336, 340, 344, 345, 377, 400, 401, 403, 406, 408, 413, 460, 473, 496, 501, 504, 519, 522, 539, 540, 541, 542, 544, 553, 555, 558, 570, 582, 583, 585, 586, 587, 588, 590, 591, 619, 652, 656, 694, 697, 698, 700, 731, 740, 743, 744, 745, 746, 749, 756, 765, 784, 786

Reservoir 2, 10, 18, 27, 35, 36, 40, 41, 45, 46, 53, 54, 60, 64, 68, 69, 70, 74, 76, 78, 79, 80, 81, 90, 99, 100, 103, 117, 135, 136, 137, 140, 162, 179, 184, 185, 201, 210, 214, 216, 220, 221, 232, 258, 264, 265, 266, 267, 272, 283, 287, 302, 307, 308, 325, 326, 327, 332, 333, 334, 335, 339, 340, 342, 344, 348, 349, 350, 355, 357, 369, 380, 381, 382, 383, 387, 388, 395, 397, 400, 401, 402, 403, 404, 411, 414, 416, 433, 434, 435, 436, 457, 458, 460, 461, 464, 466, 467, 474, 476, 477, 478, 479, 490, 495, 496, 504, 505, 518, 519, 520, 522, 535, 538, 539, 540, 541, 542, 543, 544, 547, 549, 556, 560, 578, 582, 605, 609, 617, 618, 619, 620, 624, 630, 631, 634, 644, 653, 654, 656, 661, 662, 666, 667, 669, 671, 672, 677, 692, 693, 698, 709, 712, 713, 715, 720, 721, 717, 718, 723, 724, 725, 726, 731, 733, 734, 736, 737, 738, 740, 741, 742, 743, 744, 745, 746, 753, 754, 756, 757, 768, 769, 778, 780, 783, 785, 790, 793

Rivers - Warmwater 13, 67, 84, 86, 89, 91, 101, 106, 107, 119, 121, 124, 125, 133, 149, 150, 156, 158, 162, 182, 190, 192, 193, 194, 197, 199, 200, 201, 207, 210, 213, 214, 215, 219, 225, 234, 240, 263, 264, 272, 283, 285, 286, 310, 311, 322, 332, 333, 339, 340, 341, 342, 343, 347, 348, 350, 365, 371, 388, 391, 396, 403, 406, 409, 412, 413, 414, 421, 426, 429, 430, 437, 440, 448, 449, 476, 477, 479, 487, 497, 498, 499, 507, 515, 524, 532, 536, 537, 540, 542, 562, 578, 609, 612, 613, 614, 615, 621, 622, 624, 628, 631, 633, 636, 640, 647, 648, 649, 664, 669, 671, 672, 679, 701, 706, 707, 709, 710, 711, 712, 725, 726, 744, 752, 757, 765, 766, 772, 775, 776, 801, 802, 803

Sampling 2, 5, 12, 17, 23, 24, 57, 59, 60, 62, 68, 69, 72, 79, 94, 99, 100, 101, 102, 104, 109, 110, 111, 113, 122, 125, 131, 147, 163, 164, 165, 167, 173, 182, 189, 191, 195, 214, 215, 234, 239, 241, 246, 258, 263, 264, 266, 267, 292, 304, 314, 345, 347, 349, 354, 358, 360, 374, 379, 395, 396, 397, 421, 427, 429, 430, 436, 448, 451, 483, 496, 497, 502, 504, 519, 522, 543, 547, 549, 551, 553, 578, 589, 590, 591, 585, 605, 633, 644, 659, 677, 708, 709, 717, 719, 720, 726, 736, 738, 747, 752, 755, 756, 768, 784, 785, 795

Scales 162, 183, 436, 451, 540, 557, 668, 692, 778

Selenium 418, 471, 472, 578

Size 57, 61, 248, 250, 252, 292, 293, 325, 363, 374, 382, 383, 421, 436, 444, 450, 452, 483, 496, 502, 553, 557, 578, 585, 602, 677, 713, 717, 718, 723, 748, 778, 784, 785, 791

Size-Structure 23, 79, 104, 108, 126, 132, 153, 164, 199, 214, 244, 259, 292, 294, 298, 299, 300, 301, 302, 303, 308, 312, 313, 314, 324, 325, 357, 363, 374, 395, 409, 421, 433, 452, 478, 483, 488, 502, 526, 550, 553, 554, 556, 577, 583, 625, 639, 656, 689, 720, 755, 780, 781, 784, 785

Spawning 245, 267, 325, 403, 413, 473, 539, 540, 541, 542, 547, 553, 655, 656, 677, 683, 694, 700, 712, 740, 744, 791

Sport Fishing 23, 25, 151, 166, 172, 188, 272, 274, 280, 347, 382, 445, 556, 653, 670, 686, 786

Standard Weight Equation 106, 107, 112, 126, 127, 127, 242, 249, 252, 295, 298, 415, 425, 500, 533, 552, 554, 777, 781

Statistics 126, 127, 199, 215, 216, 248, 252, 295, 383, 415, 417, 421, 450, 483, 497, 500, 531, 532, 533, 552, 554, 556, 590, 591, 719, 717, 768, 777, 780, 781, 787

Stocking 9, 39, 45, 50, 53, 56, 57, 65, 81, 88, 91, 118, 131, 169, 195, 196, 222, 232, 236, 237, 248, 251, 252, 269, 273, 277, 282, 287, 288, 289, 292, 299, 326, 356, 362, 363, 374, 407, 427, 428, 435, 451, 454, 457, 462, 464, 480, 496, 501, 511, 516, 526, 530, 556, 576, 583, 586, 584, 611, 641, 650, 651, 657, 658, 671, 685, 687, 697, 730, 732, 734, 747, 748, 755, 769, 779, 780, 787, 791, 795

Taxonomy 31, 32, 33, 67, 103, 181, 205, 208, 261, 351, 371, 369, 406, 438, 448, 509, 518, 563, 570, 607, 654, 657, 658, 718, 774

Telemetry 62, 109, 294, 296, 304, 335, 385, 587, 617, 672, 786

Tournaments 238, 382

Toxicology 16, 158, 190, 193, 202, 220, 240, 283, 309, 317, 318, 339, 353, 418, 429, 432, 471, 472, 474, 475, 498, 521, 534, 558, 559, 567, 578, 592, 593, 609, 622, 628, 634, 706, 707, 729, 753, 754, 763, 776

Water level 77, 325, 327, 403, 466, 502, 539, 580, 581, 582, 740

Water quality 14, 16, 51, 79, 81, 83, 89, 91, 97, 115, 124, 190, 191, 192, 195, 198, 210, 212, 220, 225, 283, 287, 292, 300, 306, 309, 313, 317, 353, 360, 387, 389, 392, 410, 426, 427, 444, 460, 472, 474, 475, 496, 498, 499, 502, 510, 526, 530, 538, 559, 570, 578, 592, 593, 606, 609, 622, 628, 632, 634, 648, 650, 653, 659, 661, 683, 685, 687, 700, 706, 707, 714, 729, 730, 736, 738, 744, 748, 753, 754, 756, 769, 776, 795, 796, 797

Wetlands 92, 93, 147, 165, 189, 198, 204, 206, 362, 367, 410, 439, 463, 574, 575, 606, 645, 748

Winterkill 16, 57, 58, 81, 83, 88, 94, 147, 217, 299, 306, 308, 389, 404, 424, 530, 576, 706, 707, 708, 779

Young of Year 17, 22, 26, 68, 69, 236, 237, 383, 490, 547, 598, 620, 737, 742, 747, 748, 768, 800

South Dakota Fish Species Index

The fish species index was developed to aid researchers interested in articles with a specific species as the study animal. Species are grouped under family names. This index should not be interpreted as a list of all fish that currently occur in South Dakota.

Petromyzontidae- Lampreys

Ichthyomyzon castaneus - Chestnut lamprey
32

Ichthyomyzon unicuspis - Silver lamprey
32, 366, 489, 506, 564

Acipenseridae:- Sturgeons

Acipenser fulvescens - Lake sturgeon
186, 366, 489, 506, 564, 706, 775

Acipenser transmontanus - White sturgeon
112

Scaphirhynchus albus - Pallid sturgeon
27, 33, 55, 69, 86, 90, 186, 202, 205, 221, 278, 336, 350, 366, 406, 414, 415, 416, 417, 419, 489,
506, 507, 564, 621, 629, 660, 738, 743, 744, 764, 774, 775

Scaphirhynchus platyrhynchus - Shovelnose sturgeon
33, 69, 84, 86, 90, 112, 184, 193, 221, 285, 332, 333, 336, 350, 395, 396, 397, 403, 409, 413, 416,
419, 449, 506, 510, 515, 522, 564, 605, 621, 631, 640, 647, 653, 701, 706, 738, 743, 744, 754

Polyodontidae- Paddlefishes

Polyodon spathula - Paddlefish
26, 27, 69, 82, 112, 117, 123, 125, 126, 151, 154, 172, 184, 186, 192, 193, 218, 259, 274, 280,
281, 282, 285, 340, 344, 349, 350, 364, 365, 409, 419, 464, 494, 507, 562, 563, 564, 599, 605,
612, 613, 614, 615, 616, 617, 620, 624, 647, 671, 672, 678, 701, 706, 712, 737, 738, 743, 744,
746, 752, 768, 774, 775

Lepisosteidae- Gars

Lepisosteus oculatus - Longnose gar
89, 106, 107, 112, 193, 254, 285, 366, 409, 429, 489, 498, 506, 555, 562, 564, 570, 632, 647, 649,
688, 706, 738, 744, 752

Lepisosteus platostomus - Shortnose gar
69, 74, 89, 121, 184, 192, 193, 254, 272, 285, 350, 402, 409, 429, 449, 466, 487, 498, 507, 555,
564, 570, 605, 622, 632, 647, 649, 653, 700, 706, 708, 710, 738, 743, 744, 752, 754, 801

Amiidae- Bowfins

Amia calva - Bowfin
366, 489, 506, 564, 706

Hiodontidae - Mooneyes

Hiodon alosoides - Goldeye
26, 68, 69, 74, 76, 77, 78, 79, 80, 89, 101, 125, 136, 162, 184, 190, 192, 193, 199, 216, 220, 254,
263, 267, 272, 285, 286, 310, 311, 347, 349, 350, 381, 388, 402, 403, 409, 429, 448, 449, 498,
504, 505, 507, 539, 543, 555, 562, 564, 570, 605, 622, 632, 647, 649, 653, 659, 701, 706, 710,

738, 743, 744, 752, 754
Hiodon tergisus - Mooneye
193, 366, 489, 506, 562, 564, 706

Anguillidae – Freshwater Eels

Ariguila rostrata- American eel
366, 489, 506, 564, 647, 706, 744

Clupeidae- Herrings

Alosa chrysochloris - Skipjack herring
350, 366, 489, 506, 564, 744

Alosa pseudoharengus -Alewife
285

Dorosoma cepedianum -Gizzard shad
23, 68, 69, 76, 77, 89, 112, 125, 184, 190, 192, 193, 254, 263, 272, 350, 404, 405, 409, 429, 495,
507, 532, 533, 536, 537, 540, 555, 562, 564, 570, 631, 632, 636, 647, 649, 653, 659, 666, 667,
699, 706, 708, 710, 726, 731, 737, 738, 743, 744, 752, 772, 773, 801

Cyprinidae – Minnows and Carp

Aristichthys nobilis - Bighead carp
321

Campostoma anomalum - Central stoneroller
89, 116, 120, 121, 157, 159, 182, 190, 191, 193, 207, 235, 408, 412, 498, 507, 509, 555, 562, 564,
570, 622, 632, 647, 649, 659, 710

Carassius auratus - Goldfish
177, 276, 555, 564, 570

Couesius plumbeus - Lake chub
30, 101, 350, 366, 489, 555, 564, 570, 622, 688

Ctenopharyngodon idellus- Grass carp
57, 58, 320, 321, 507, 564, 647, 649, 795

Cyprinella lutrensis - Red shiner
17, 23, 68, 89, 115, 116, 120, 121, 125, 182, 190, 193, 197, 199, 207, 254, 263, 310, 311, 322,
350, 409, 429, 465, 466, 487, 497, 498, 507, 537, 555, 562, 564, 570, 622, 632, 647, 649, 659,
700, 710, 711, 738, 743, 752

Cyprinella spiloptera - Spottfin shiner
498, 570, 622, 632

Cyprinus carpio - Common carp
2, 8, 16, 22, 23, 24, 26, 58, 68, 69, 74, 76, 77, 79, 80, 83, 89, 92, 101, 106, 107, 110, 112, 121,
125, 132, 136, 158, 163, 164, 165, 167, 173, 177, 179, 182, 184, 188, 189, 190, 191, 192, 193,
199, 216, 220, 234, 254, 256, 263, 266, 267, 272, 276, 285, 286, 310, 311, 317, 318, 347, 349,
350, 402, 403, 409, 412, 426, 429, 439, 448, 449, 460, 466, 487, 497, 498, 505, 507, 530, 532,
533, 537, 539, 543, 555, 562, 564, 569, 570, 605, 622, 626, 631, 632, 647, 649, 652, 653, 659,
671, 681, 700, 706, 708, 710, 733, 737, 738, 743, 744, 745, 752, 754, 801

Hybognathus argyritis - Western silvery minnow
182, 193, 199, 223, 263, 310, 311, 448, 449

Hybognathus hankinsoni - Brassy minnow
31, 68, 69, 89, 101, 120, 121, 179, 182, 190, 191, 193, 322, 402, 408, 449, 487, 498, 507, 555,
562, 564, 570, 632, 647, 649, 659, 709, 710

Hybognathus nuchalis - Mississippi silvery minnow
68, 69, 89, 101, 157, 159, 182, 256, 350, 402, 429, 466, 507, 509, 555, 562, 564, 622, 632, 647,
649, 659, 664, 710, 738, 743, 752

Hybognathus placitus - Plains minnow
68, 69, 101, 116, 199, 207, 263, 310, 311, 402, 412, 448, 449, 490, 555, 564, 570, 622

Ictiobus niger - Black buffalo
193, 366, 489, 507, 518, 555, 562, 564, 706

Luxilus cornutus - Common shiner
89, 116, 121, 136, 157, 159, 182, 193, 190, 191, 197, 207, 408, 429, 487, 498, 507, 509, 555, 562, 564, 570, 632, 645, 647, 649, 659, 710, 733, 752

Machrybopsis gelida - Sturgeon chub
27, 86, 90, 182, 263, 310, 311, 350, 366, 489, 506, 564, 629, 764, 765, 774

Macrhybopsis meeki - Sicklefin chub
27, 86, 101, 366, 489, 506, 555, 564, 570, 629, 764, 766, 774

Macrhybopsis storeriana - Silver chub
193, 322, 366, 409, 489, 498, 506, 555, 564, 570, 688, 738

Margariscus margarita - Pearl dace
27, 182, 322, 350, 366, 489, 506, 555, 564, 570, 622, 629, 688, 764

Nocomis biguttatus - Hornyhead chub
89, 191, 193, 194, 366, 408, 489, 493, 506, 507, 555, 564, 570, 647, 649, 688

Notemigonus chrysoleucas - Golden shiner
22, 65, 68, 69, 89, 101, 112, 119, 157, 182, 193, 263, 297, 300, 350, 402, 409, 449, 491, 493, 507, 511, 555, 564, 570, 605, 622, 632, 647, 664, 685, 687

Notropis anogenus - Pugnose shiner
402

Notropis atherinoides - Emerald shiner
23, 26, 68, 69, 76, 77, 89, 110, 111, 125, 135, 136, 190, 193, 254, 263, 264, 265, 272, 310, 311, 350, 402, 408, 409, 429, 448, 449, 466, 493, 498, 507, 537, 539, 555, 562, 564, 570, 622, 632, 644, 647, 649, 659, 662, 701, 710, 733, 737, 738, 743, 744, 752, 794

Notropis atrocaudalis - Blackspot shiner
199

Notropis blennius - River shiner
157, 159, 350, 366, 489, 491, 506, 507, 509, 555, 564, 570, 632, 664, 688, 710

Notropis dorsalis - Bigmouth shiner
89, 115, 121, 182, 193, 190, 191, 207, 412, 429, 476, 498, 507, 555, 562, 564, 570, 632, 647, 649, 710

Notropis heterodon - Blackchin shiner
506, 564

Notropis heterolepis - Blacknose shiner
89, 179, 182, 193, 366, 489, 506, 507, 555, 564, 570, 647, 649, 688

Notropis hudsonius - Spottail shiner
17, 89, 110, 111, 134, 135, 136, 157, 159, 167, 193, 310, 311, 317, 318, 381, 402, 487, 491, 493, 498, 507, 509, 555, 562, 564, 570, 644, 647, 649, 662, 733, 738

Notropis rubellus - Rosyface shiner
191, 193, 194, 366, 489, 506, 562, 564

Notropis shumardi - Silverband shiner
350, 366, 489, 506, 555, 564

Notropis stramineus - Sand shiner
17, 23, 89, 101, 120, 121, 182, 190, 191, 193, 199, 207, 254, 256, 263, 310, 311, 322, 350, 408, 409, 412, 429, 448, 449, 466, 487, 493, 497, 498, 507, 537, 555, 562, 564, 570, 622, 632, 647, 649, 659, 700, 710, 738, 743, 752

Notropis topeka - Topeka shiner
68, 69, 89, 90, 115, 120, 179, 192, 193, 366, 402, 489, 498, 506, 507, 555, 562, 564, 570, 632, 647, 649, 688, 709, 710, 749, 750, 751

Notropis volucellus - Mimic shiner
570

Phenacobius mirabilis - Suckermouth minnow
193, 366, 489, 506, 555, 562, 564, 688

Phoxinus eos - Northern redbelly dace
27, 182, 193, 191, 194, 366, 489, 506, 555, 564, 570, 629, 688, 764

Phoxinus neogaeus - Finescale dace

- 27, 182, 366, 489, 506, 555, 564, 570, 622, 629, 688, 764
- Pimephales notatus* - Bluntnose minnow
68, 69, 89, 190, 191, 193, 402, 449, 498, 507, 555, 562, 564, 570, 622, 647, 649, 659
- Pimephales promelas* - Fathead minnow
17, 22, 23, 65, 68, 83, 88, 89, 92, 94, 101, 111, 116, 120, 121, 124, 136, 147, 157, 159, 182, 190, 191, 193, 195, 197, 204, 206, 207, 223, 243, 254, 256, 263, 276, 309, 310, 311, 317, 318, 367, 371, 375, 392, 402, 408, 409, 410, 412, 428, 429, 433, 435, 439, 448, 449, 487, 491, 493, 498, 507, 509, 537, 555, 562, 564, 570, 574, 575, 594, 622, 626, 627, 632, 645, 647, 649, 659, 636, 664, 674, 685, 687, 696, 700, 708, 709, 710, 715, 730, 733, 738, 743, 747, 748, 752, 791
- Platygobio gracilis* - Flathead chub
68, 69, 159, 182, 193, 199, 223, 263, 310, 311, 322, 350, 402, 448, 449, 466, 490, 506, 509, 555, 562, 564, 570, 622, 632, 710, 738, 743, 765
- Ptychocheilus oregonensis* - Northern pike-minnow (squawfish)
112
- Rhinichthys atratulus* - Blacknose dace
89, 182, 191, 193, 235, 350, 402, 408, 498, 506, 507, 555, 562, 564, 570, 632, 647, 649, 659, 710, 752
- Rhinichthys cataractae* - Longnose dace
101, 159, 182, 199, 263, 310, 311, 448, 449, 509, 555, 558, 564, 570, 622, 647, 649, 765
- Scardinus erythrophthalmus* - European Rudd
564
- Semotilus atromaculatus* - Creek chub
68, 89, 116, 121, 124, 159, 182, 190, 191, 193, 199, 207, 235, 310, 311, 350, 402, 408, 409, 412, 418, 429, 449, 493, 498, 507, 509, 555, 562, 564, 570, 622, 632, 647, 649, 659, 664, 696, 710, 752

Catostomidae - Suckers

- Carpiodes carpio* - River carpsucker
2, 26, 68, 69, 74, 76, 77, 79, 80, 89, 101, 106, 107, 112, 121, 122, 184, 190, 193, 199, 216, 223, 254, 263, 266, 267, 272, 285, 310, 311, 347, 349, 350, 395, 396, 397, 402, 403, 409, 429, 448, 449, 466, 487, 490, 498, 507, 532, 533, 537, 543, 555, 562, 564, 570, 605, 622, 631, 632, 647, 649, 653, 680, 706, 710, 737, 738, 743, 745, 752, 754, 801
- Carpiodes cyprinus* - Quillback
74, 182, 190, 193, 350, 366, 409, 489, 498, 555, 562, 564, 570, 647, 649, 659, 688
- Carpiodes velifer* - Highfin carpsucker
647, 649
- Catostomus catostomus* - Longnose sucker
27, 350, 366, 489, 506, 555, 564, 570, 622, 629, 680, 688, 764
- Catostomus commersoni* - White sucker
8, 68, 69, 74, 89, 101, 106, 107, 109, 110, 111, 112, 116, 133, 136, 167, 169, 173, 182, 190, 191, 193, 199, 207, 235, 253, 263, 310, 311, 317, 318, 350, 371, 402, 408, 412, 448, 449, 487, 491, 493, 498, 507, 530, 532, 533, 537, 539, 555, 560, 562, 564, 569, 570, 605, 622, 632, 647, 649, 659, 680, 696, 700, 706, 708, 710, 713, 714, 733, 738, 743, 752, 754
- Catostomus platyrhynchus* - Mountain sucker
133, 199, 224, 253, 350, 555, 564, 680, 706
- Cycleptus elongatus* - Blue sucker
2, 59, 68, 69, 90, 153, 184, 193, 192, 216, 219, 285, 349, 350, 402, 409, 449, 498, 506, 507, 524, 537, 562, 564, 605, 647, 649, 706, 738, 743, 744, 754, 774, 801
- Hypentelium nigricans* - Northern hog sucker
133, 193, 366, 489, 506, 562, 564
- Ictiobus bubalus* - Smallmouth buffalo
68, 69, 76, 80, 89, 106, 107, 157, 184, 193, 216, 220, 234, 254, 266, 267, 272, 285, 286, 347, 349, 350, 381, 395, 402, 409, 429, 430, 466, 478, 479, 498, 507, 532, 533, 543, 539, 555, 562, 564, 570, 605, 631, 632, 647, 649, 653, 659, 680, 706, 710, 737, 738, 743, 744, 745, 752, 754, 801
- Ictiobus cyprinellus* - Bigmouth buffalo
2, 3, 4, 16, 17, 26, 68, 69, 74, 76, 77, 79, 80, 106, 107, 110, 112, 132, 167, 173, 184, 190, 192,

193, 216, 220, 234, 256, 266, 267, 272, 285, 286, 318, 347, 349, 350, 383, 395, 402, 403, 409, 429, 430, 466, 478, 479, 487, 498, 507, 519, 532, 533, 539, 543, 562, 564, 605, 631, 647, 649, 653, 659, 671, 675, 676, 700, 706, 708, 737, 738, 743, 744, 745, 752, 754, 801

Moxostoma erythrurum - Golden redbhorse

89, 366, 489, 498, 506, 555, 564, 570, 647, 688

Moxostoma macrolepidotum - Shorthead redbhorse

68, 69, 74, 89, 101, 106, 107, 110, 112, 121, 182, 183, 184, 190, 193, 199, 216, 254, 263, 285, 286, 310, 311, 322, 350, 395, 396, 397, 402, 403, 409, 429, 448, 449, 498, 507, 555, 562, 564, 570, 605, 622, 632, 647, 649, 659, 706, 738, 743, 744, 752, 754, 801

Ictaluridae- Freshwater catfishes

Ameiurus melas - Black bullhead

8, 16, 22, 23, 24, 57, 65, 68, 69, 74, 83, 89, 92, 101, 106, 107, 110, 112, 115, 120, 132, 141, 142, 143, 147, 157, 164, 167, 169, 170, 173, 182, 189, 190, 191, 192, 193, 199, 200, 201, 256, 263, 275, 285, 286, 297, 300, 310, 311, 312, 313, 314, 317, 318, 322, 350, 352, 354, 361, 375, 402, 403, 408, 409, 412, 426, 429, 433, 435, 439, 448, 449, 460, 484, 487, 497, 498, 505, 507, 526, 530, 537, 555, 560, 562, 564, 569, 570, 603, 604, 605, 622, 625, 632, 647, 649, 650, 651, 653, 659, 685, 687, 689, 696, 700, 706, 708, 710, 714, 735, 733, 738, 743, 744, 752, 754, 755, 769, 784

Ameiurus natalis - Yellow bullhead

74, 83, 89, 106, 107, 112, 190, 193, 201, 223, 256, 310, 311, 498, 506, 507, 555, 564, 570, 597, 598, 647, 649, 696, 697, 700, 706, 708, 714, 733, 752

Ameiurus nebulosus - Brown bullhead

89, 106, 107, 112, 201, 276, 506, 507, 555, 564, 570, 647, 649, 706

Ictalurus furcatus - Blue catfish

25, 112, 193, 201, 350, 506, 507, 564, 647, 706, 738, 743

Ictalurus punctatus - Channel catfish

3, 4, 23, 24, 25, 26, 68, 69, 76, 77, 78, 80, 82, 89, 101, 110, 111, 112, 120, 121, 125, 126, 127, 167, 170, 173, 182, 184, 190, 192, 193, 195, 199, 200, 201, 213, 220, 223, 234, 254, 256, 263, 267, 272, 285, 286, 299, 310, 311, 317, 318, 322, 343, 345, 346, 347, 349, 350, 357, 395, 396, 402, 403, 409, 421, 429, 437, 448, 449, 487, 498, 505, 507, 511, 530, 532, 533, 536, 537, 539, 543, 555, 560, 562, 564, 570, 576, 605, 622, 632, 647, 649, 653, 659, 677, 700, 701, 706, 710, 733, 737, 738, 742, 743, 744, 752, 754, 769, 787, 802

Noturus exilis - Slender madtom

193, 201, 562, 564

Noturus flavus - Stonecat

68, 69, 101, 121, 148, 149, 150, 182, 190, 193, 199, 201, 254, 263, 285, 310, 311, 350, 409, 448, 449, 498, 555, 562, 564, 570, 605, 622, 632, 647, 649, 659, 710, 738, 743, 754

Noturus gyrinus - Tadpole madtom

89, 111, 115, 157, 190, 191, 193, 201, 256, 350, 429, 435, 487, 498, 507, 555, 562, 564, 570, 632, 647, 649, 700, 708, 733, 735, 752

Phylodictis olivaris - Flathead catfish

23, 24, 25, 69, 89, 106, 107, 112, 125, 184, 190, 193, 201, 234, 254, 285, 286, 343, 349, 350, 498, 507, 528, 529, 532, 533, 555, 562, 564, 570, 605, 632, 647, 649, 706, 710, 738, 743, 744, 752

Esocidae - Pikes

Esox americanus - Grass pickerel

181, 721

Esox lucius - Northern pike

2, 3, 4, 10, 24, 57, 68, 69, 74, 76, 77, 79, 80, 83, 89, 92, 101, 109, 110, 111, 112, 132, 135, 164, 167, 170, 173, 179, 181, 188, 190, 191, 192, 193, 198, 215, 220, 222, 256, 267, 276, 285, 288, 289, 290, 291, 299, 301, 310, 311, 317, 318, 322, 325, 326, 327, 334, 335, 339, 347, 350, 361, 400, 401, 402, 403, 409, 412, 429, 439, 487, 498, 505, 507, 520, 530, 532, 533, 542, 543, 550, 551, 553, 554, 555, 557, 562, 564, 569, 570, 573, 578, 605, 626, 627, 632, 647, 649, 659, 671, 689, 696, 700, 706, 708, 710, 714, 732, 738, 743, 744, 746, 752, 754, 777, 787, 780, 791

Esox masquinongy - Muskellunge
18, 19, 20, 21, 82, 112, 179, 181, 334, 335, 433, 435, 507, 552, 554, 564, 733, 734, 752, 787, 796
Esox Masquinongy X Esox Lucius - Tiger muskellunge
554, 564, 732
Esox niger - Chain pickerel
112, 181, 554, 706

Umbridae- Mudminnows

Umbrala limi - Central mudminnow
27, 92, 193, 366, 489, 491, 506, 507, 564, 629, 645, 764

Osmeridae – Smelts

Osmerus mordax - Rainbow smelt
35, 36, 46, 68, 134, 136, 135, 137, 174, 185, 258, 355, 380, 381, 383, 411, 457, 458, 477, 535,
539, 564, 666, 715

Salmonidae – Trouts, Whitefishes and Graylings

Coregonus artedii - Lake Herring (Cisco)
46, 112, 134, 136, 242, 564
Coregonus clupeaformis - Lake whitefish
564
Oncorhynchus aguabonita - Golden trout
706
Oncorhynchus clarkii - Cutthroat trout
112, 287, 564, 706
Oncorhynchus kisutch - Coho salmon
287, 564
Oncorhynchus mykiss - Rainbow trout
7, 4, 44, 41, 68, 112, 136, 169, 170, 188, 196, 287, 299, 350, 355, 402, 428, 449, 457, 458, 462,
501, 507, 533, 534, 560, 564, 565, 593, 605, 610, 611, 641, 657, 658, 671, 683, 706, 730, 738,
743, 763, 787
Oncorhynchus nerka - Kokanee
68, 287, 350, 402, 564
Oncorhynchus tshawytscha - Chinook
40, 45, 47, 53, 46, 41, 50, 54, 52, 112, 136, 247, 533, 355, 356, 564, 682
Prosopium williamsoni - Mountain whitefish
112, 706
Prosopium gemmifer- Bonneville cisco
402, 564
Salmo trutta - Brown trout
49, 112, 177, 253, 287, 350, 385, 402, 432, 449, 480, 500, 501, 513, 560, 564, 586, 683, 706, 729,
787, 798
Salvelinus fontinalis - Brook trout
287, 407, 513, 533, 560, 564, 706, 787
Salvelinus fontinalis x S. namaycush - Splake trout
564
Salvelinus namaycush - Lake trout
112, 287, 350, 402, 564, 706, 787

Percopsidae – Trout-perches

Percopsis omiscomaycus - Trout-perch
17, 27, 110, 111, 157, 190, 193, 366, 489, 498, 506, 509, 555, 562, 564, 570, 629, 659, 688, 764

Gadidae – Codfishes

Lota lota - Burbot

68, 69, 112, 184, 223, 285, 341, 402, 403, 449, 539, 555, 564, 570, 622, 632, 706, 710, 738, 743, 744, 754

Cyprinodontidae- Killifishes

Fundulus diaphanus - Banded killifish

27, 193, 366, 489, 506, 555, 570, 564, 629, 688, 764

Fundulus sciadicus - Plains topminnow

27, 89, 124, 179, 182, 192, 310, 311, 366, 412, 476, 489, 506, 507, 555, 564, 570, 629, 647, 649, 688, 764

Fundulus zebrinus - Plains killifish

310, 311, 555, 564, 622

Gasterosteidae – Sticklebacks

Culaea inconstans - Brook stickleback

68, 89, 92, 147, 182, 190, 191, 193, 350, 366, 367, 402, 408, 410, 439, 449, 487, 489, 498, 507, 555, 562, 564, 570, 632, 645, 647, 649, 700, 710, 752

Percichthyidae –Temperate bass

Morone americana - White perch

106, 107, 112

Morone chrysops - White bass

60, 61, 62, 63, 64, 68, 69, 76, 77, 78, 80, 89, 109, 110, 111, 112, 125, 127, 135, 167, 173, 184, 190, 193, 199, 220, 254, 267, 272, 285, 286, 310, 311, 317, 318, 350, 402, 403, 409, 423, 429, 448, 449, 466, 495, 498, 505, 507, 509, 532, 533, 543, 539, 555, 562, 564, 570, 591, 605, 618, 619, 632, 647, 649, 659, 661, 662, 668, 674, 699, 701, 706, 737, 738, 743, 744, 752, 754, 778, 786, 787

Morone chrysops x *Morone saxatilis* - Sunshine bass

423, 564

Morone mississippiensis - Yellow bass

106, 107, 112, 706

Morone Saxatilis - Striped bass

112, 533, 532, 787

Centrarchidae- Sunfishes

Ambloplites rupestris - Rock bass 106, 107, 109, 110, 111, 112, 193, 276, 363, 532, 533, 555, 564, 570, 706, 733

Archoplites interruptus - Sacramento perch

564

Lepomis cyanellus - Green sunfish

26, 39, 58, 68, 69, 74, 89, 101, 106, 107, 112, 121, 124, 157, 182, 193, 190, 191, 199, 254, 263, 276, 285, 310, 311, 350, 402, 409, 412, 429, 439, 448, 449, 466, 482, 487, 498, 507, 533, 532, 555, 560, 562, 564, 569, 570, 622, 632, 647, 649, 659, 679, 700, 706, 710, 738, 743, 752, 791

Lepomis gibbosus - Pumpkinseed

110, 112, 127, 193, 350, 507, 516, 555, 562, 564, 570, 622, 659, 696, 706, 714, 733

Lepomis gulosus - Warmouth

106, 107, 112, 706

Lepomis humilis - Orangespotted sunfish

26, 68, 69, 74, 89, 115, 120, 121, 157, 190, 191, 193, 199, 254, 256, 311, 322, 350, 402, 409, 429,

435, 449, 466, 487, 498, 507, 530, 537, 555, 562, 564, 569, 570, 622, 632, 647, 649, 659, 679, 696, 700, 706, 710, 735, 733, 738, 743, 744, 752, 756

Lepomis macrochirus - Bluegill

22, 26, 38, 39, 57, 58, 65, 68, 69, 82, 89, 99, 100, 110, 111, 112, 118, 131, 170, 182, 184, 188, 193, 222, 254, 256, 275, 276, 277, 288, 290, 289, 292, 297, 298, 300, 310, 311, 317, 318, 324, 350, 354, 361, 372, 402, 409, 429, 433, 435, 434, 439, 444, 449, 460, 490, 498, 507, 511, 514, 517, 526, 530, 532, 533, 555, 556, 562, 564, 569, 570, 572, 583, 597, 598, 605, 622, 625, 632, 647, 649, 650, 651, 653, 685, 687, 696, 706, 708, 710, 714, 719, 732, 733, 735, 738, 743, 752, 755, 756, 782, 784, 787, 795

Lepomis megalotis - Longear sunfish

706

Lepomis microlophus - Redear sunfish

112, 127, 276, 511, 532, 533, 706

Micropterus dolomieu - Smallmouth bass

26, 89, 109, 110, 111, 112, 125, 127, 188, 190, 192, 193, 199, 270, 276, 299, 310, 311, 382, 487, 496, 498, 502, 507, 532, 533, 555, 564, 570, 647, 649, 681, 706, 717, 719, 732, 783, 787

Micropterus punctulatus - Spotted bass

112, 532, 533, 706

Micropterus salmoides - Largemouth bass

22, 57, 58, 65, 68, 69, 74, 82, 89, 94, 98, 99, 100, 101, 110, 112, 118, 158, 169, 170, 182, 184, 188, 190, 191, 193, 199, 222, 256, 263, 272, 275, 276, 277, 285, 288, 289, 290, 291, 292, 297, 298, 299, 300, 310, 311, 322, 350, 354, 360, 361, 372, 374, 402, 409, 424, 427, 429, 444, 445, 446, 448, 449, 466, 482, 483, 487, 490, 498, 507, 511, 514, 516, 517, 526, 530, 532, 533, 554, 555, 556, 560, 562, 564, 569, 570, 576, 577, 597, 598, 605, 622, 625, 632, 647, 649, 650, 651, 653, 681, 685, 687, 696, 706, 708, 710, 714, 717, 719, 732, 738, 743, 744, 752, 755, 769, 770, 771, 783, 784, 787, 788, 791, 795, 800

Pomoxis annularis - White crappie

68, 69, 74, 76, 79, 80, 78, 89, 104, 105, 108, 111, 112, 125, 127, 135, 139, 167, 173, 184, 190, 193, 220, 254, 256, 267, 272, 275, 276, 285, 293, 294, 302, 304, 317, 318, 339, 350, 377, 380, 402, 403, 409, 429, 449, 466, 487, 498, 505, 507, 530, 532, 533, 537, 539, 543, 547, 555, 562, 564, 569, 570, 578, 605, 622, 625, 626, 627, 632, 647, 649, 653, 654, 655, 656, 659, 696, 700, 706, 710, 713, 714, 737, 738, 743, 744, 752, 754, 769, 787

Pomoxis nigromaculatus - Black crappie

58, 68, 69, 74, 76, 79, 80, 89, 104, 105, 108, 110, 111, 112, 139, 157, 164, 167, 173, 184, 193, 199, 220, 222, 254, 256, 267, 268, 269, 272, 275, 276, 285, 294, 296, 297, 300, 301, 302, 303, 308, 317, 318, 322, 350, 361, 372, 377, 402, 403, 409, 429, 436, 439, 444, 448, 449, 466, 487, 490, 498, 505, 507, 530, 532, 533, 537, 539, 543, 555, 556, 562, 564, 569, 570, 583, 587, 588, 589, 590, 584, 585, 597, 598, 605, 622, 625, 626, 627, 632, 642, 647, 649, 653, 654, 659, 662, 689, 696, 700, 706, 710, 713, 714, 723, 724, 733, 738, 743, 744, 752, 754, 787, 785, 800

Percidae – Perches

Etheostoma exile - Iowa darter

68, 69, 89, 111, 147, 182, 190, 191, 193, 256, 350, 402, 408, 409, 429, 439, 449, 487, 498, 507, 530, 555, 562, 564, 570, 632, 647, 649, 659, 700, 708, 710, 733, 752

Etheostoma nigrum - Johnny darter

17, 89, 111, 157, 182, 190, 191, 193, 207, 254, 256, 322, 402, 408, 409, 412, 429, 433, 435, 439, 466, 487, 498, 507, 555, 562, 564, 570, 594, 632, 647, 649, 659, 700, 710, 733, 738, 743, 752

Perca flavescens - Yellow perch

8, 9, 22, 26, 57, 58, 68, 69, 74, 76, 77, 79, 80, 83, 89, 109, 110, 111, 112, 127, 129, 130, 131, 132, 134, 135, 136, 164, 167, 170, 173, 179, 182, 188, 190, 191, 193, 220, 222, 239, 241, 243, 244, 245, 246, 256, 267, 272, 275, 285, 288, 289, 290, 292, 297, 298, 300, 301, 306, 312, 315, 317, 318, 322, 350, 354, 361, 376, 379, 380, 392, 402, 403, 405, 409, 429, 444, 450, 451, 452, 453, 460, 466, 487, 488, 490, 495, 498, 505, 507, 530, 532, 533, 539, 543, 542, 544, 547, 555, 556, 560, 562, 564, 569, 570, 590, 597, 598, 600, 602, 605, 622, 625, 632, 638, 639, 647, 649, 653, 659, 661, 662, 677, 689, 696, 698, 700, 706, 708, 710, 713, 714, 716, 731, 733, 737, 738, 743,

744, 746, 752, 754, 755, 758, 759, 784, 787, 781, 782, 791, 800

Percina caprodes - Logperch

111, 157, 193, 366, 489, 555, 564, 570, 688

Percina maculata - Blackside darter

67, 89, 157, 191, 193, 194, 366, 489, 498, 506, 507, 555, 562, 564, 570, 647, 649, 688

Percina phoxocephala - Slenderhead darter

366, 489, 506, 555, 564, 688

Stizostedion canadense - Sauger

26, 68, 69, 76, 77, 79, 80, 89, 101, 102, 103, 112, 131, 184, 193, 199, 209, 215, 220, 222, 250, 254, 263, 267, 272, 285, 286, 295, 310, 311, 322, 350, 395, 402, 403, 409, 427, 429, 449, 490, 498, 505, 507, 533, 532, 541, 539, 540, 542, 543, 544, 545, 547, 555, 562, 564, 570, 584, 594, 605, 622, 631, 632, 647, 653, 701, 706, 710, 720, 718, 717, 725, 726, 737, 738, 740, 743, 744, 754, 755, 800

Sander vitreum - Walleye

8, 15, 21, 26, 56, 61, 68, 69, 74, 76, 78, 79, 80, 81, 82, 83, 88, 89, 93, 95, 102, 103, 109, 110, 111, 112, 113, 114, 127, 131, 132, 134, 135, 136, 166, 167, 168, 170, 173, 179, 184, 185, 190, 191, 192, 193, 199, 200, 209, 214, 215, 220, 222, 228, 229, 232, 236, 237, 238, 240, 248, 249, 250, 251, 254, 267, 272, 276, 285, 286, 299, 301, 317, 318, 329, 339, 350, 355, 371, 372, 375, 378, 380, 381, 383, 402, 403, 405, 409, 427, 449, 454, 460, 461, 466, 471, 472, 473, 474, 487, 488, 495, 498, 505, 507, 527, 530, 531, 532, 533, 539, 542, 543, 544, 545, 549, 555, 561, 562, 564, 569, 570, 578, 584, 594, 600, 601, 605, 622, 626, 627, 631, 632, 647, 649, 659, 661, 662, 671, 674, 686, 689, 700, 701, 706, 708, 710, 717, 718, 732, 737, 738, 743, 744, 747, 748, 752, 754, 755, 756, 757, 770, 787, 790, 791, 796

Sander vitreum x *S. canadense* - Saugeye

102, 188, 248, 250, 251, 252, 268, 269, 564, 583, 584, 594, 631

Sciaenidae – Drums

Aplodinotus grunniens - Freshwater drum

68, 69, 74, 76, 77, 78, 79, 89, 112, 125, 135, 184, 190, 192, 193, 199, 254, 266, 267, 272, 285, 286, 310, 311, 347, 349, 350, 380, 395, 402, 403, 409, 429, 449, 490, 498, 505, 507, 532, 533, 536, 537, 539, 543, 547, 555, 562, 570, 605, 622, 632, 647, 649, 653, 659, 666, 667, 692, 693, 694, 699, 700, 701, 706, 708, 710, 733, 737, 738, 743, 744, 752, 754

Fossilized Fish

Ceratodont Lungfish

579

Bradyodont shark

230

Cladodont shark

230

South Dakota Fish Location Index

The fish location index was developed to aid researchers searching for articles with study sites in a particular geographic area of South Dakota. The index is separated into eastern, western and central South Dakota with the exception of articles listed under “Missouri River”, ”Laboratory” or “Library”.

South Dakota (State wide or no specific area mentioned)

25, 27, 70, 72, 73, 107, 112, 118, 124, 126, 127, 133, 170, 177, 179, 180, 181, 186, 188, 201, 210, 225, 277, 294, 299, 302, 303, 314, 356, 358, 366, 369, 370, 372, 377, 386, 427, 431, 438, 489, 491, 492, 493, 496, 497, 506, 511, 517, 526, 531, 532, 533, 555, 560, 561, 564, 565, 571, 573, 596, 629, 646, 650, 651, 665, 685, 687, 688, 699, 703, 775, 777, 778, 779, 781, 782, 784, 787

Missouri River (On or along the Missouri River)

2, 10, 11, 15, 25, 26, 32, 33, 35, 36, 40, 41, 45, 46, 47, 49, 50, 52, 53, 54, 55, 59, 60, 63, 64, 68, 69, 76, 77, 78, 79, 80, 84, 85, 86, 87, 90, 91, 97, 102, 103, 106, 117, 122, 123, 125, 126, 134, 135, 136, 137, 138, 140, 146, 151, 152, 153, 155, 180, 183, 184, 185, 201, 202, 206, 213, 214, 215, 216, 219, 220, 221, 225, 234, 238, 242, 255, 257, 258, 259, 262, 264, 265, 266, 267, 272, 273, 276, 278, 280, 281, 282, 285, 286, 287, 295, 322, 325, 326, 327, 330, 332, 333, 336, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 355, 357, 365, 378, 380, 381, 382, 383, 388, 390, 391, 395, 396, 397, 400, 401, 402, 403, 404, 405, 406, 409, 411, 413, 414, 415, 416, 417, 419, 422, 429, 430, 440, 441, 447, 448, 457, 458, 465, 466, 467, 471, 473, 474, 477, 478, 479, 489, 490, 495, 504, 505, 507, 510, 515, 518, 519, 520, 522, 527, 528, 529, 531, 535, 538, 539, 540, 541, 542, 543, 544, 545, 547, 549, 560, 566, 578, 582, 596, 605, 607, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 624, 630, 631, 633, 634, 636, 640, 644, 653, 654, 656, 660, 666, 667, 669, 671, 672, 677, 678, 682, 686, 692, 693, 694, 698, 701, 706, 711, 712, 715, 717, 718, 719, 720, 721, 724, 725, 726, 731, 737, 738, 742, 743, 745, 757, 761, 765, 766, 778, 780, 783, 793, 794, 800, 801, 802, 803

American Creek Spawning and Imprinting Station 365

Anderson Pond 249

Big Bend Dam 667, 672

Big Bend Reservoir 259, 538, 653

Burbank Lake 162, 184

Choteau Creek 156, 225

Fort Peck Reservoir 350

Fort Randall Reservoir 140, 183, 348, 396, 490, 538, 540, 541, 545, 652, 653, 654, 672, 800

Foster Bay 531

Francis Case Reservoir 201, 578

Garrison Reservoir, 29

Gavins Point Dam 90, 117, 126, 153, 341, 348, 540, 566

Gavins Point National Fish Hatchery 19, 20, 55, 123, 320, 563, 599, 655, 660, 770, 771

Gavins Point Reservoir 333, 538, 653, 654, 725

Lake Francis Case 60, 64, 76, 77, 78, 79, 80, 126, 259, 272, 348, 466, 477, 495, 496, 505, 547, 582, 617, 654, 672, 686, 698, 712, 743, 778

Lake Oahe 2, 10, 15, 26, 29, 35, 36, 40, 45, 53, 46, 50, 43, 60, 63, 64, 69, 76, 77, 79, 80, 90, 134, 135, 136, 137, 144, 146, 174, 185, 201, 220, 236, 237, 238, 242, 247, 249, 258, 266, 267, 295, 325, 327, 326, 339, 348, 349, 350, 355, 357, 378, 380, 381, 382, 383, 400, 401, 402, 403, 411, 457, 458, 471, 473, 474, 477, 496, 504, 518, 519, 520, 535, 538, 539, 542, 543, 549, 578, 582, 605, 644, 653, 666, 677, 698, 715, 753, 757, 777, 778, 780

Lake Sakakawea 350

Lake Sharpe 60, 64, 68, 76, 77, 79, 80, 213, 214, 215, 216, 221, 287, 295, 302, 327, 326, 348, 399, 400, 404, 405, 416, 419, 477, 496, 505, 578, 630, 667, 671, 731, 778

Lewis and Clark Lake 59, 60, 64, 76, 77, 78, 79, 80, 140, 162, 183, 184, 201, 264, 265, 332, 339, 348, 388, 395, 396, 419, 477, 478, 479, 490, 496, 540, 541, 547, 578, 582, 618, 619, 620, 631, 654, 656, 692,

693, 694, 717, 718, 720, 721, 724, 726, 725, 736, 737, 740, 741, 742, 738, 739 745, 746, 768
Little Missouri River 86, 101, 180, 765
Middle Missouri River 341, 440
Okobojo Bay 381, 383
Sharpe Reservoir 201
Upper Missouri river 578, 681
Whitlocks spawning station 50

Eastern South Dakota (East of the Missouri River)

3, 4, 5, 7, 8, 9, 13, 14, 16, 17, 18, 19, 20, 21, 22, 23, 24, 31, 37, 38, 39, 57, 58, 61, 62, 63, 65, 67, 74, 81, 82, 83, 88, 91, 92, 93, 94, 95, 99, 100, 104, 105, 108, 109, 110, 111, 113, 115, 116, 119, 120, 129, 131, 132, 139, 141, 142, 143, 147, 148, 149, 150, 156, 157, 158, 159, 163, 164, 166, 167, 168, 176, 178, 190, 191, 192, 193, 194, 195, 197, 198, 206, 207, 228, 229, 231, 232, 233, 235, 239, 240, 241, 243, 244, 245, 246, 248, 251, 268, 269, 276, 275, 293, 296, 301, 304, 305, 306, 308, 312, 313, 315, 317, 318, 320, 321, 324, 329, 334, 335, 352, 362, 363, 367, 368, 371, 375, 378, 379, 389, 392, 407, 408, 410, 412, 421, 423, 424, 426, 427, 428, 433, 435, 434, 436, 437, 439, 443, 444, 445, 450, 451, 452, 453, 454, 460, 461, 462, 464, 480, 481, 482, 483, 484, 487, 488, 496, 498, 499, 501, 502, 507, 509, 518, 524, 530, 536, 537, 550, 551, 552, 553, 554, 557, 562, 563, 568, 569, 574, 575, 576, 577, 583, 585, 586, 587, 588, 589, 590, 591, 594, 597, 598, 599, 600, 601, 602, 603, 604, 606, 610, 611, 626, 627, 632, 638, 639, 641, 642, 643, 645, 648, 649, 655, 659, 660, 664, 668, 674, 675, 676, 679, 684, 689, 691, 696, 697, 700, 707, 708, 709, 710, 711, 713, 714, 716, 719, 730, 732, 733, 734, 735, 747, 752, 758, 770, 771, 772, 780, 783, 786, 791, 795, 796
Abbey Pond 428, 598, 696, 697
Alice Lake 454, 689
Amsden Lake 302, 363, 496, 502
Andes Creek 157
Arrowwood Lake 163, 164
Bass Pond 157
Big Red River basin 734
Big Sioux River 23, 24, 74, 89, 119, 156, 157, 158, 180, 193, 190, 200, 201, 217, 240, 254, 256, 276, 346, 371, 421, 497, 498, 499, 524, 570, 659, 707, 750
Big Sioux River Basin 115, 275, 317, 407, 713
Big Stone Power Plant 81, 82, 88, 99, 100, 178, 232, 433, 434, 435, 460, 461, 464, 552, 733, 734, 735, 769
Blue Dog Lake 95, 531, 689, 757
Blue Dog State Fish Hatchery 732
Bode Pond 427
Bothwell Marsh 198
Brant Lake 8, 132, 302, 303, 296, 454, 496, 502, 583, 587, 588, 589, 590, 689
Brule Creek 116, 207
Buffalo Lake 157
Byre Lake 755
Byron Lake 132, 141, 157, 569
Cavour Lake 131
Christie Pond 389
Clear Lake 132, 141, 157, 450, 452, 453, 454, 483, 496, 502, 569, 689
Cottonwood Lake 132, 141, 142, 143, 157, 560, 569, 777, 780
Dawson's Creek 709
Diamond Lake 131
Drake Pond 424
East 81 Slough 376, 379, 638
Elm Lake 302, 303
Emanuel Creek 225
Enemy Creek 225
Enemy Swim Lake 9, 109, 110, 111, 132, 302, 376, 450, 451, 452, 453, 483, 577, 591, 643, 755, 786
Faulkton Lake 302, 303

Firesteel Creek 225
 Flandreau Creek 190
 Freyberg Ponds 643
 Gary Creek 501, 500, 586
 Goldsmith Lake 239, 294, 293, 304, 594
 Hanson Lake 222, 427
 Hayes Lake 222, 427
 Hidewood Creek 190
 Island Lake 131, 454
 James River 5, 13, 14, 23, 24, 59, 74, 89, 91, 115, 124, 156, 163, 164, 180, 192, 201, 217, 225, 233, 254,
 256, 276, 346, 426, 437, 498, 499, 507, 518, 524, 536, 537, 570, 636, 648, 647, 649, 700, 750, 752
 Jones Lake 222, 427, 755
 Labolt Pond 696, 697, 713, 714
 Lake Albert 132, 689
 Lake Alvin 104, 105, 108, 302, 303, 444, 445
 Lake Andes 141, 157, 188, 569
 Lake Campbell 132, 786, 778
 Lake Cochrane 132, 392, 450, 452, 453, 483, 643, 689
 Lake Eureka 57, 58
 Lake Hendricks 306, 371, 392
 Lake Henry 709
 Lake Herman 132, 248, 251, 302, 303, 454, 689
 Lake Iroquois 222, 427
 Lake Kampeska 63, 109, 110, 111, 132, 141, 157, 363, 496, 502, 668, 786, 778
 Lake Mitchell 252, 302, 303, 483, 507, 518
 Lake Poinsett 8, 16, 17, 61, 62, 63, 132, 139, 141, 142, 143, 166, 167, 168, 173, 270, 317, 318, 423, 531,
 569, 603, 604, 674, 675, 676, 689, 781, 786, 778
 Lake Sinai 9, 488
 Lake Tetonkaha 141, 157, 156
 Lake Thompson 132, 302, 303, 372, 375, 550, 551, 553, 557, 626, 627, 689, 777, 780
 Lake Traverse 530, 786, 778
 Lake Tunkisula 755
 Vermillion Lake 302, 303
 Lake Yankton 444
 Little Minnesota River 156, 157, 178
 Lund Marsh 198
 Madison Lake 132, 141, 301, 302, 303, 312, 315, 451, 452, 453, 483, 569, 689
 Madison Lake 376, 450, 777
 McNeil Pond 389
 Medary Creek 190
 Medicine Creek 157
 Mina Lake 248, 250, 268, 302, 303, 372, 483, 583
 Minnesota River drainage 191
 Minnewasta Lake 777
 Monighan Creek 191, 481
 Nine Mile Lake 454
 North Red Iron Lake 141, 142, 143
 Oak Lake 9, 131, 306, 392
 Oakwood Lakes 83, 132, 141, 142, 143, 157, 368, 569
 Park Pond 639
 Pelican Lake 9, 132, 239, 243, 244, 246, 638
 Pickerel Lake 9, 132, 157, 239, 244, 245, 246, 302, 303, 363, 450, 452, 453, 483, 496, 502, 569, 591, 642,
 689, 786
 Pickering Slough 574, 575
 Prior Lake 57, 58
 Punished Woman Lake 132, 454

Red Plum Lake 302, 303, 436
 Richmond Lake 248, 250, 268, 269, 302, 303, 324, 483, 583, 584, 585, 587, 588, 589
 Round Lake 569
 Roy Lake 132, 302, 303, 436, 483, 689
 Saarinen's Pond 747
 Sand Lake National Wildlife Refuge 163, 164, 165, 188, 189, 308, 426, 487, 708
 Say Brook 412
 Shoteau Creek 157
 Simon Lake 302, 303
 Six-mile Creek 190
 South Buffalo Lake 9, 132, 689
 South Red Iron Lake 132
 Spirit Lake 450, 451, 452, 453
 Swan Lake 132
 Teal Pond 424
 Tetonkaha Lake 569
 Timber Creek 191
 Turtle Creek 157
 Twin Lake 132, 131, 454
 Vermillion River 74, 89, 91, 115, 120, 121, 124, 148, 149, 150, 156, 197, 201, 217, 254, 256, 346, 498,
 499, 570, 632, 679, 710, 711, 750, 772, 773
 Waubay Lake 188, 376, 378, 488, 689
 West Oakwood Lake 9
 Whitwood Lake 132
 Woodruff Lake 302, 303
 Yellowbank River 191, 407, 480
 Yellowbank River- North Fork 481
 Yellowbank River- South Fork 235, 408, 481

Western South Dakota (West of the Missouri River)

41, 44, 49, 52, 66, 101, 161, 182, 189, 196, 199, 203, 211, 212, 230, 260, 261, 263, 271, 283, 288, 289,
 290, 291, 292, 310, 311, 322, 323, 339, 351, 353, 354, 360, 361, 385, 442, 446, 447, 448, 449, 468, 471,
 472, 476, 500, 508, 516, 521, 556, 567, 572, 579, 592, 593, 609, 622, 625, 628, 657, 658, 662, 661, 680,
 757, 761, 763, 776, 783, 785

Angostura Reservoir 283, 302, 303, 496, 560, 628
 Antelope Creek 182
 Bad River 201, 322, 497, 622
 Battle Creek 182
 Bear Butte Creek 212, 558
 Bear in the Lodge Creek 182
 Beastrom Pond 374
 Beaver Creek 223, 225
 Belle Fourche River 199, 201, 203, 223, 225, 339, 609, 622, 628
 Big L Pond 354, 360
 Black Hills Region 1, 30, 187, 208, 211, 212, 223, 224, 227, 253, 420, 432, 447, 469, 475, 486, 489, 513,
 534, 558, 559, 622, 683, 690, 705, 729, 776, 798
 Blackpipe Creek 182
 Carbody Pond 354, 360
 Cedar Creek 124, 182
 Cheyenne River 86, 182, 201, 203, 223, 283, 310, 311, 339, 351, 471, 473, 474, 472, 539, 622, 628, 757
 Chicken Creek 223, 225
 Cleghorn Springs State Fish Hatchery 196
 Coffee Creek 182
 Cold Creek 223
 Cottonwood Creek 182

Cox Lake 225
 Crazy Hole Creek 182
 Crow Creek 191, 223, 225, 558
 Curlew Lake 302, 303
 Cutmeat Creek 182
 D.C. Booth Historic Fish Hatchery 187
 Deadwood Pond 354, 360
 Deerfield Reservoir 560, 705
 Dog Ear Creek 182
 Eagle Creek 182
 Elk Creek 223
 Elm Creek 182
 Fall Creek 223
 Fall River 225
 Fox Hills 260, 261
 French Creek 225
 Grand River 201, 471, 473, 539, 622, 757
 Horse Creek 609, 628
 Horsehead Creek 182, 283
 Hot Brook 124
 Iverson Pond 196, 657, 658
 Keya Paha River 182, 323, 322
 Kinsley Pond 196, 657, 658
 Knox Pond 196, 354, 361, 360, 374, 444, 556, 625, 657
 LaCreek National Wildlife Refuge 182, 252, 476
 LaCreek Natl. Wildlife Refuge 799
 Lake Creek 182
 Lake Isabel 302, 303
 Lake Newell 252
 Little Moreau Lake 302, 303
 Little White River 182, 252, 476
 Lost Creek 182, 191, 481
 Mannerud Pond 374
 Matthews Pond 196, 657
 McNenny State Hatchery 50, 66, 447
 Middle Creek 223
 Moreau River 201, 448, 449, 471, 473, 531, 539, 622
 Mud Lake 308, 426, 606, 708
 Muro Lake 302, 303, 361, 372, 444, 446, 556, 785
 Newell Lake 496
 Nielson Pond 625
 Nix Pond 196, 657
 North Dry Creek Pond 354, 360
 Prince Charles Pond 354, 360, 361, 374
 Railroad Pond 361, 360
 Rapid Creek 182, 223, 225, 253, 500, 729, 776
 Ray Pond 196, 657, 658
 Redwater Creek 223, 225
 Rock Creek 182, 225
 Rosebud Creek 182
 Section Six Pond 354, 360, 361, 374
 Shadehill Reservoir 496, 661, 662, 778
 Shady Creek 182
 Sheriff Pond 625
 South Beastron Pond 354, 360, 361
 South Dry Creek Pond 354, 360, 361

South Horse Pond 354, 360, 361, 374
Spearfish National Fish Hatchery 187, 420
Spring Creek 182, 190, 225
Swimmer Creek 182
Trail Pond 354, 360, 361, 374
Warm Creek 223
Whetstone Creek 133
Whetstone River 156
White River 86, 180, 182, 201, 225, 263, 322, 365, 476, 622, 672
Whitewood Creek 223, 225, 309, 558, 609, 622
Willow Creek 182

Central Region of South Dakota

297, 300, 354, 360, 361, 427, 625, 781, 795

Buffalo Pond 297, 300
Bullrush Pond 297, 300
Denson Pond 297, 300
Ewe Pond 298, 300, 625
Highway Pond 297, 300
Holzwarth Pond 298, 300, 781
Houk Pond 298, 300, 781
Icehouse Pond 298, 300, 781
Long Pond 297
Neilsen Pond 297, 300
North Road Pond 297, 300
Perch Pond 298, 300, 781
Pronghorn Pond 297, 300
Red Plum Pond 297, 300
Richland Pond 297, 300, 625
Skull Pond 297, 300
Wilcox Pond 298, 300, 625, 781

Laboratory (Studies conducted in a Laboratory)

18, 19, 20, 21, 35, 38, 39, 45, 50, 65, 66, 93, 94, 117, 123, 126, 127, 128, 129, 133, 134, 135, 136, 139, 141, 150, 159, 162, 169, 184, 196, 197, 224, 228, 229, 295, 318, 320, 326, 351, 352, 365, 372, 377, 378, 419, 424, 436, 471, 482, 497, 509, 510, 534, 535, 545, 561, 563, 572, 583, 599, 600, 601, 602, 607, 636, 654, 660, 664, 680, 716, 770, 771, 782

Library (Library research on SD fishes)

10, 16, 25, 27, 31, 32, 63, 66, 70, 72, 73, 76, 78, 79, 82, 89, 90, 91, 92, 98, 106, 107, 112, 118, 138, 146, 151, 179, 180, 186, 187, 188, 202, 206, 233, 255, 273, 280, 281, 282, 287, 299, 348, 356, 366, 377, 387, 391, 406, 414, 415, 417, 420, 431, 489, 506, 507, 511, 514, 531, 532, 533, 538, 541, 542, 554, 555, 560, 562, 564, 565, 571, 573, 582, 596, 624, 629, 653, 669, 688, 712, 775, 777, 780, 781, 784, 787

South Dakota Fisheries Author Index

- Abbott, Jane P. 1, 328
Ackerman, Gary 2
Ackerman, William C. 77
Agenbroad, Larry D. 486
Alex, Lynn M. 3, 4
Alex, Robert A. 5, 6
Allen, Dale B. 7
Allman, C.H. 76
Allum, Marvin O. 8, 34
Allyn, M. Elizabeth 423
Anderson, Bertin W. 699
Anderson, Marcy R. 9, 241, 758
Anon 10, 11, 12, 13, 14, 15
Applegate, Richard L. 16, 17, 18, 19, 20, 21, 22, 168, 318, 335, 434, 435, 461, 601, 602, 604, 676, 734, 735, 748, 771
Arterburn, John E. 23, 24, 25
Asafo, Charles K. 26
Ashton, Diane E. 27
Bach, Herbert C. 28
Bach, R.N. 29
Backlund, Douglas C. 30, 688
Bailey, Reeve M. 31, 32, 33, 34
Baker, Bradley M. 105
Banek, Timothy J. 35, 36
Bardack, David 37
Barkoh, Aaron 38, 39
Barnes, Michael E. 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 682
Barry, T.P. 103
Barton, Bruce A. 55, 56, 385
Bauer, Daryl L. 57, 58
Beal, Charles D. 59
Beck, H. Denise 60, 61, 62, 63, 64, 778
Beck, R. Dean 65
Becker, C. Dale 66, 634
Beckham, Eugene Clifton, III. 67
Beckman, Lance G. 68, 69, 214, 404, 405, 546, 545
Beckman, William C. 70
Beebe, J. 71
Beem, Marley D. 72, 73, 779
Behnke, T.T. 443
Bell, Gordon L., Jr. 469
Benda, Robert S. 74
Benn, David W. 75
Benson, Norman G. 76, 77, 78, 79, 80, 89, 440, 622, 632
Benzon, Ted A. 646
Berg, Louis N. 81, 88
Berry, Charles R. Jr. 24, 25, 82, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 121, 147, 165, 188, 189, 191, 192, 193, 194, 200, 201, 206, 257, 278, 311, 323, 449, 498, 499, 524, 525, 559, 648, 649, 750, 749, 751
Bettross, Edward A. 98, 99, 100, 295
Bich, Joel P. 101
Billington, Neil 102, 103, 718
Birks, Eric 418
Bister, Timothy J. 104, 105, 106, 107, 108
Blackwell, Brian G. 109, 110, 111, 112, 113, 114, 132, 269, 668, 786
Blausey, Carmen M. 115, 751
Blouin, Edmour F. 116, 207
Boehmer, Ray J. 117
Bonislawsky, Patrick S. 151, 281
Bonneau, Donald L. 118
Boolig, Herbert 55
Borges, H. Milton 560
Bourgeois, Mark 119
Boussu, Marvin F. 2, 170, 549
Braaten, Patrick J. 120, 121, 122, 632
Brandt, Ronald L. 123
Brenner, R. L. 789
Bretz, R. F. 789
Brimm, Stephen 419
Brinkman, Mark A. 124
Brown, Danny J. 125
Brown, Harold G. 753, 754
Brown, James H. 276
Brown, Michael L. 106, 107, 110, 111, 112, 114, 126, 127, 128, 129, 130, 131, 132, 289, 290, 291, 455, 472, 473, 474, 500, 531, 572, 667, 668, 716
Brown, Wilhemina 133
Bryan, Scott D. 134, 135, 136, 358, 458
Buhl, K.J. 309
Bulkley, R.V. 273
Bunker, B. J. 789
Burczynski, Janusz J. 137
Burgess, Harold H. 799
Burroughs, Raymond D. 138
Bush, Jane E. 634
Busiahn, Thomas R. 139
Business Research Bureau 140
Cable, Louella E. 141, 142, 143
Caldwell, Warren W. 144
Campbell, Terry M. 746
Cappetta, Henri 145
Carbine, W.F. 146
Carlander, Kenneth D. 724
Carlson, Bradley N. 147
Carlson, Dale R. 148, 149, 150
Carlson, Douglas M. 151
Carpenter, Scott J. 152
Carr, Jennifer M. 348
Carreiro, John 41
Carreiro, John M. 153
Choudury, A. 154

Christiansen, Curtis C. 155
Churchill, Edward P. 143, 157, 158, 159, 156, 160,
569, 773
Chvala, Phillip J. 572
Cicimurri, David J. 161
Claflin, Thomas O. 162
Clancey, Patrick 416
Clark, Shane W. 163, 164, 165
Clifford, Thomas J. 166, 167, 168
Clodfelter, Kenneth C. 169
Clothier, William D. 170, 530
Coble, Daniel W. 492, 493
Cochran, Anita 171
Colby, Peter J. 209
Combs, David L. 172
Congdon, James C. 173
Conley, Jerry M. 118
Contreras-Balderas, Salvador 186, 774
Coon, D.M. 174
Coon, Thomas G. 125, 201
Cooper, James L. 784
Cope, Edward D. 175, 176
Copes, Fred A. 492, 493
Cordes, Rick J. 40, 41, 44, 45, 47, 48, 49, 50, 51
Courtenay, Walter R. Jr. 177
Cox, Ulysses O. 178, 225
Cross, Frank B. 33, 179, 180, 477
Crossman, E.J. 181
Cunningham, George R. 182
Cvancara, Victor A. 183, 184
Damkot, David K. 331
Davis, Blake A. 185
Deacon, James E. 186, 745
Deakman, Elizabeth 187
Dick, Terry A. 154, 365
Dickerson, Kimberly K. 628
Dieter, Charles D. 188, 189
Dieterman, Douglas J. 190, 191, 192, 193, 194, 498
DiLauro, Martin N. 195
Dillard, Joe G. 172, 218, 274, 282, 624, 712
Dillon, Jeff C. 196, 658
Dodge, Douglas P. 348
Doeringsfeld, Matthew R. 122
Doesken, Warren G. 197
Donaldson, Walter K. 198
Doorenbos, Ryan D. 199, 200, 201
Dort, Wakelield, Jr. 179
Dowd, Eileen M. 27
Dowd-Stukel, Eileen 688
Dryer, Mark P. 202
Duehr, Jeremy P. 203
Duffy, Walter G. 89, 136, 135, 204, 206, 206, 356,
357, 358, 458, 559, 662
Dunlap, Donald G. 116
Durben, Dan J. 41, 43
Duru, Christian 207
Eastman, Charles R. 208
Ebberts, Mark A. 209
Eddy, Samuel 210
Elder, Ryand A. 211
Ellis, M.M. 212
Elrod, Joseph H. 68, 69, 213, 214, 215, 216, 404,
405
Elsen, Dean S. 217, 570
Elser, Allen A. 218
Elstad, Scott A. 219
Environmental Protection Agency 220
Erickson, J. Mark 152
Erickson, Jonathan D. 90, 221
Ericson, Jack W. 385, 449
Ermer, M.J. 222
Evenson, Donald P. 229
Evenson, Paul D. 415
Evermann, Barton W. 223, 224, 225, 226, 394
Evetts, Micheal J. 227
Ewing, Rebecca R. 228, 229
Fahrenbach, Mark D. 161, 230, 231
Faler, Micheal P. 232
Farrokhi, Faraz 53, 54
Fausch, Kurt D. 233
Feit, Darrell E. 234
Felix, Thomas P. 235
Felder, David G. 236, 237, 238, 242, 380, 383
Fisher, Christopher J. 240
Fisher, Shannon J. 9, 239, 241, 242, 243, 244, 245,
246, 594, 758
Fisher, William L. 797
Fivizzani, Albert J. 247
Flammang, Mark K. 248, 249, 250, 251, 252, 584
Ford, Richard C. 253, 513
Fosha, Mike 328
Fouberg, Jeffrey T. 254
Fox, Alfred C. 318
Francis, Jay M. 63
Fraser, J.C. 255
Frazier, Ann G. 391
Frederickson, J.R. 256
Freeling, Steve E. 257
Freiburger, Chris E. 136, 258
Frey, David G. 210, 538
Friberg, Donald V. 259
Frizzell, Don L. 260, 261
Froebel, Charles 262
Fryda, David D. 263
Fryer, J. L. 565
Fuchs, Everett H. 264, 265
Gabel, Audrey C. 44
Gabel, James A. 266, 267
Gabel, Mark 49, 682
Gaikowski, Mark P. 52
Galat, David L. 91, 391
Galinat, Gene F. 243, 268, 269, 344

Gangl, Robert S. 270
 Gant, Robert D. 271
 Gasaway, Charles R. 272, 273
 Gatlin, Delbert M., III 126
 Gengerke, Thomas W. 274, 275
 Geraets, Wade T. 585
 Gido, Keith B. 276
 Gilb, J.L. 455
 Gilbraith, David M. 277, 278
 Gober, Joy 475
 Goldstein, Robert M. 776
 Goody, Peter C. 279
 Gould, Glen 633
 Graeb, Brian D. S. 103
 Graham, L. Kim 172, 218, 274, 280, 281, 282, 624, 712
 Gray, Matthew J. 419
 Greene, Earl A. 283, 609
 Gregory, William K. 284
 Greichus, Yvonne A. 318
 Groberg, W. J. 565
 Groen, Calvin L. 285, 286, 633
 Grover, John H. 287
 Gurtin, Scott D. 288, 290, 289, 291
 Guy, Christopher S. 106, 107, 122, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 436, 595, 625, 719, 781, 782, 783, 784, 787, 785
 Haberman, Thomas H. 305
 Haertel, Lois 306
 Hales, Donald C. 481, 604, 613, 614, 615, 616
 Hall, Gordon E. 69, 216, 307, 401, 520, 582, 618, 737, 744
 Halseth, Rick A. 308
 Hamilton, E. Jerry 282
 Hamilton, S. J. 309
 Hampton, Douglas R. 310, 311
 Hamre, R.H. 784
 Hanchin, Patrick A. 312, 313, 314, 315, 379
 Hanenberger, Ned H. 316
 Hannon, Michael R. 317, 318
 Hansmann, Eugene W. 283
 Hanten, Robert L. 319, 779
 Hanten, Robert P. 41, 45, 46, 47, 51, 54
 Harberg, Mark C. 320, 321
 Harland, Brandon C. 322, 323
 Harris, Nathan J. 324
 Hart, T.W. 455
 Hassler, Thomas J. 215, 216, 325, 326, 327
 Haug, Jim 328
 Haukenes, Alf H. 56
 Hauskins, Breana L. 55
 Hawkins, Michael J. 329
 Hayden, Ferdinand W. 330
 Hedrick, R. P. 565
 Heikes, Brian L. 572
 Heimstra, Norman W. 331
 Heisinger, Jay F. 418
 Held, John W. 332, 333
 Hendrickson, Dean A. 774
 Henegar, Dale 520
 Henley, Douglas T. 334, 335
 Henry, Catherine J. 336, 416
 Hensley, C.P. 753
 Hensley, Dannie A. 177
 Hesse, Larry W. 89, 91, 155, 337, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 440, 622, 632, 634
 Hickey, Susanne M. 182
 Hicks, Charles E. 282
 Higgins, Kenneth F. 92, 93, 391
 Higham, Joseph H. 349
 Highland, D.J. 546
 Hildebrand, Dean C. 350
 Hildebrand, Samuel F. 351
 Hill, Kay R. 352
 Hill, Norman 353
 Hill, Tracy D. 135, 354, 355, 356, 357, 358, 359, 360, 361, 374, 458
 Hines, Norman R. 545
 Hjort, Carol 328
 Hocutt, Charles H. 180
 Hoernemann, Todd A. 362
 Hoffman, Gregory C. 363
 Hoffnagle, Timothy 247
 Holland, F.D., Jr. 152
 Holloway, Harry L., Jr. 154, 364, 365
 Houtcooper, Wayne C. 256, 366
 Howard, James H. 271
 Hubbard, Daniel E. 92, 367
 Hubers, Matthew J. 113, 269, 313, 790
 Hubert, Wayne A. 201
 Hudson, Patrick L. 620, 744
 Huff, D.R. 636
 Huggins, Ernest J. 8, 368, 369, 370, 371
 Hurley, Keith L. 372
 Hussakof, L. 373
 Iles, D. L. 789
 Irwin, Elise R. 201
 Isaak, Daniel J. 374
 Isaak, Lance C. 375
 Isermann, Daniel A. 102, 376, 377, 378, 379, 488, 577, 638, 639, 642, 759, 758
 Jackson, Jeffrey J. 304, 380, 381, 382, 383
 Jacobs, Kenneth E. 746
 James, Daniel A. 384, 385
 James, M.C. 386
 Jansen, Chris R. 55
 Jaramillo, Fransisco, Jr. 126
 Jenkins, Robert M. 387
 Jenks, Jonathan A. 257, 751
 Jensen, Richard E. 422

Johnson, Allen D. 116, 207
 Johnson, Bruce A. 238, 778, 790
 Johnson, Douglas H. 388
 Johnson, James E. 774
 Johnson, Jerome L. 389
 Johnson, Raymond C. 390
 Johnson, Rex R. 391
 Jones, David T. 442
 Jones, J. Knox, Jr. 179
 Jongsma, Darryl L. 306, 392
 Jordan, David S. 393, 394
 Jordan, George R. 395, 396, 397, 672
 Jordan, Stephen M. 106, 107
 Joseph, T.W. 398
 June, Fred C. 68, 214, 399, 400, 401, 402, 403, 404,
 405, 731, 754
 Kaiser, Gerald L. 744
 Kallemeyn, Larry W. 406, 407, 408, 409
 Kantrud, Harold A. 410
 Karnitz, Kim S. 411
 Karr, James R. 233
 Kazmierski, Joel A. 412
 Keenlyne, Kent D. 206, 348, 413, 414, 415, 416,
 417, 621
 Kendall, Robert L. 542, 561
 Kim, Jong H. 418
 Kincaid, Harold L. 419
 Kingsbury, George W. 420
 Kirby, Daniel J. 25, 421
 Kirchner, James G. 469
 Kivett, Marvin F. 422
 Klammer, Joel A. 573
 Knapp, Allen D. 108
 Knight, Denise E. 578
 Knopf, Fritz L. 596
 Kobetich, Gail 186
 Koenig, John W. 261
 Kohler, Christopher C. 423
 Koigi, Racheal N. 102, 103
 Koler, Todd D. 94, 424, 425
 Kolterman, Bret F. 188, 189, 426
 Kopplin, Chad J. 751
 Koski, Kris D. 427
 Koth, Ronald M. 428, 622, 623
 Kozel, Douglas J. 429, 430
 Kramer, Richard P. 431
 Krantz, Eric L. 432
 Krapu, Gary L. 410
 Kreil, Randy 722
 Krska, Robert J., Jr. 74, 433, 434, 435
 Kruckenberg, Wayne L. 22
 Krull, Gary 93
 Krumholz, Louis A. 775
 Kruse, Carter G. 436
 Kubeny, Steve J. 89, 437
 Kunkel, T.J. 443
 Kutkuhn, Joseph H. 70
 LaBomascus, Dave 732
 Lagler, Karl F. 438
 Lamb, Charles 680
 Langemeier R.N. 529
 Lannan, C. N. 565
 Larson, Kjersten 439
 Larson, Scott 475
 Latka, Douglas C. 440
 Lehmer, Donald T. 441, 442
 Leitch, Jay A. 606
 Leslie, David M. Jr. 797
 Lewis, Carl A. 209
 Lewis, Standley E. 443
 Lindgren, John P. 444, 445, 446
 Lindsay, William K. 447
 Littell, Bruce 155
 Lothius, Orin M. 484
 Loomis, Todd M. 448, 449
 Losco, Robert G. 113
 Lott, John P. 46, 450, 451, 452, 453, 686, 782
 Lucchesi, David O. 129, 452, 453, 454, 455, 590,
 591, 782
 Ludvigson, G. A. 789
 Lundberg, John G. 456
 Lynott, Sean T. 135, 358, 457, 458
 Macdonald, J.R. 459
 Maddux, Henry R. 461, 460
 Maher, Jay P. 462
 Malison, J.A. 103
 Mandel, Rolfe 328
 Mangan, Matthew 463
 Mann, Dennis D. 556
 Margenau, Terry L. 464
 Marrone, Gary M. 137
 Marsh-Matthews, Edie 465
 Martin, Dan B. 466, 467, 546
 Martin, James E. 231, 468, 470, 469, 684
 Matrious, S.M. 443
 Matthews, William J. 465
 Mauk, Robert J. 471, 472, 473, 474
 Maxwell, S. J. 417
 Maxwell, Steve 669
 May, Theodor W. 475
 Mayden, Richard L. 476, 477, 180
 Mc Craren, Joseph P. 66
 McAllister, Don E. 774
 McCann, James A. 177
 McComish, Thomas S. 478, 479
 McCoy, Richard W. 480, 481
 McCreery, Thomas P. 247
 McDonald, Arthur L. 482
 McKay, R. M. 789
 McKibbin, William L. 377, 483
 McMillan, Gladys L. 484
 McPhail, J.D. 485

Mead, Jim I 486
 Medvick, Patricia A. 578
 Meeks, William A. 487
 Meerbeek, Jonathan R. 378, 488
 Melius, Michael M. 489
 Mengel, Leslie J. 419, 466
 Meredith, Leslie P. 490
 Meronek, Thomas G. 491, 492, 493
 Merrifield, Susan G. 797
 Mestl, Gerald E. 337, 343, 344, 348
 Meyer, F.P. 494
 Michaletz, Paul H. 137, 495
 Milewski, Craig L. 192, 363, 391, 496, 497, 498,
 499, 501, 502, 500, 783
 Miller, Carl F. 503
 Miller, Grant L. 504
 Miller, Lawrence M. 505
 Miller, Robert R. 506
 Missouri Basin Inter-Agency Committee 146
 Missouri River Basin Commission 507, 508
 Mitchell, Thelma 159, 509
 Modde, Timothy C. 38, 321, 510, 511, 512, 513, 514,
 515, 516, 517, 651
 Moen, Tomas E. 518, 519, 520
 Monner, R.J. 521
 Moos, Richard Eugene 522
 Morey, Nathan M. 523, 524, 525
 Morris, Charles E. 526
 Morris, L.A. 527, 528, 529
 Moyle, John B. 530
 Muncy, R.J. 273
 Murphy, Brian R. 126, 127, 128, 252, 425, 533,
 532, 531, 781, 787
 Mustaparta, George 534
 Musyl, Michael K. 535
 Muth, Robert T. 536, 537
 Myers, Joseph J. 423
 Navarro-Mendoza, Miguel 774
 Neel, Joe K. 538
 Neitzel, Duane A. 634
 Nelson, Peter R. 729
 Nelson, William R. 504, 539, 540, 541, 542, 543,
 544, 546, 545, 547, 548, 549, 677, 745
 Nestler, John M. 440, 746
 Neumann, Robert M. 106, 107, 296, 375, 550, 551,
 552, 553, 554, 555, 556, 557, 627, 785
 Newcomb, Brad A. 345, 346, 347
 Newman, Ryan L. 558, 559
 Nicholson, A.J. 560
 Nickum, John G. 561, 562, 714
 Nomsen, D.E. 92
 Noordsy, Michael L. 563
 North Dakota Game Fish Department 564
 Novotny, Jerry F. 409, 466, 467, 746
 Nutter, Rebecca L. 53, 54
 O'Bryan, G.K. 68, 214, 404
 O'Bryan, Gerald K. 405
 Ode, David J. 366
 Olson, Juliane A. 249
 Olson, Ricky D. 182
 Olson, Robert E. 565
 O'Neil, C. 71
 Orsborn, J.F. 76
 Osberg, Bernard L. 566
 Osdal, LeVerne K. 567
 Ossian, Clair R. 568
 Ottinger, Christopher A. 154, 364, 365
 Over, William H. 160, 569
 Overend, R.P. 92
 Owen, Alice K. 571
 Owen, John B. 570, 571
 Owen, T. Gorman 477
 Parris, David C. 470
 Parsons, Bradford G. 56
 Parsons, Milton G. 513
 Paterson, Colin J. 469
 Paukert, Craig P. 572, 573, 617, 672, 786
 Payer, Ronald D. 574, 575
 Pearson, John A. 366
 Peeters, Paul J. 576
 Petsche, Jerome E. 442
 Phelps, Quinton E. 577, 758
 Phillips, Glenn R. 578
 Pierce, Rodney B. 573
 Pinsof, John D. 579
 Ploskey, Gene R. 580, 581, 582
 Pope, Kevin L. 245, 270, 372, 583, 586, 587, 588,
 589, 590, 591, 584, 585, 716
 Porter, Stephen D. 776
 Powell, Jennifer L. 129
 Prettyman, William F. 592
 Price, Russell K. 593
 Pulford, E. F. 565
 Pyle, Charles R. 244, 594
 Quist, Michael C. 106, 107, 595
 Rabeni, Charles F. 201, 596
 Radant, Randall D. 597, 598
 Rahn, Andrew B. 599
 Raisanen, Gregg A. 600, 601, 602
 Rall D. Shultz 595
 Raney, Edward C. 607
 Ransom, D. P. 565
 Reed, Jeffery R. 56
 Repsys, Andrew J. 603, 604
 Reynolds, James B. 605
 Richardson, Frank 253
 Roberts, Lisa A. 606
 Robins, C. Richard 607
 Robinson, John W. 348
 Roddy, William R. 609
 Roell, Michael J. 610, 611
 Rohovec, J. S. 565

Rosen, Rudolph A. 612, 613, 614, 615, 616
 Roush, K. Dawn 617
 Rubec, C.D. 92
 Rudacille, James B. 423
 Ruelle, Richard 336, 618, 619, 620, 621, 622, 623
 Russell, Gordon W. 570
 Russell, Thomas R. 172, 218, 274, 282, 624, 712
 Saffel, Patrick D. 625
 Sammons, Steven M. 557, 626, 627
 Samson, Fred B. 596
 Sando, Steven K. 628
 Sandvol, Alan J. 202
 Saul, Gary E. 746
 Sawyer, J. Foster 469
 Saylor, William A. 41, 45, 47, 48, 50, 51
 Scalet, Charles G. 101, 229, 290, 289, 291, 514,
 517, 575, 598, 611, 627, 629, 658, 721, 780
 Schainost, Steve 234, 345
 Schmidt, Bruce R. 630
 Schmulbach, James C. 36, 286, 342, 348, 430, 515,
 537, 637, 636, 631, 636, 633, 634, 632
 Scholten, George D. 378, 638, 639
 Schramm, Harold L., Jr. 201
 Schuckman, Jeffrey J. 636, 640
 Schuler, Glenn D. 611, 641
 Schultz, Douglas W. 642
 Schumacher, Bruce A. 470, 469
 Schumacher, David 89
 Schumacher, Jonathan A. 53, 54
 Schwalbach, Monica J. 278
 Scovell, James T. 226
 Selch, Trevor M. 643
 Sewell, Deborah C. 644
 Sewell, Russell W. 645
 Sharps, Jon C. 646
 Shearer, Jeffrey S. 648, 647, 649
 Sheehan, Robert J. 423
 Shields, James T. 650, 651, 652, 653
 Siefert, Richard E. 547, 654, 655, 656,
 Sieverding, Heidi L. 683
 Simon, David C. 657, 658
 Simonson, Timothy D. 573
 Simpson, Gregory D. 778
 Sinning, James A. 562, 659
 Sipiowski, Justin T. 660
 Skaar, Donald R. 578
 Slayer, William A. 43
 Slipke, Jeffrey W. 661, 662
 Smith Grandstaff, Barbara 470
 Smith, C. Lavett 663
 Smith, G. Hubert 144
 Smith, George A. 664
 Smith, George M. 420
 Smith, Harold A. 665
 Smith, Kevin A. 130, 666, 667
 Soderberg, R. 289, 290, 554
 Soupir, Craig A. 114, 136, 668, 778
 Sowards, Charles L. 283, 609, 669
 Spiegel, Douglas K. 116
 Sport Fishing Institute 670, 671
 Springer, Timothy A. 531, 533
 St. Sauver, Todd R. 108, 131, 314, 315, 790
 Stalnaker, Clair B. 89, 440, 622, 632
 Stancill, Wayne 617, 672
 Stanton, Timothy W. 673
 Starostka, Andrew B. 61, 674
 Starostka, Victor J. 697
 Starostka, Victor J. 675, 676, 677, 697
 Stastny, Wayne M. 672, 678
 Stauffer, Jay R. Jr. 177
 Stegge, James H. 679
 Steinle, Nathan 680
 Steinwand, Terry 681
 Stephen, James L. 595
 Stephenson, Hans 52, 682
 Stetler, Larry D. 683
 Steven Schainost 346
 Stewart, J.D. 180, 684
 Stock, Kelly S. 53, 54
 Stone, Clifton C. 64, 495, 516, 622, 623, 685, 686,
 687
 Stroud, Richard H. 517
 Stuart, R.W. 29
 Stukel, Sam M. 689
 Sulzbach, Michelle 680
 Sundstrom, Linea 690
 Suresh, A. Victor 423
 Swanson, Allan 691
 Swanson, George A. 410
 Swedberg, Donald V. 547, 692, 693, 694
 Swink, William D. 746
 Sylvester, Ryan M. 257, 695
 Taylor, Jeffrey N. 177
 Templeton, Leejay J. 245
 Tews, Anne 416
 Theeler, Brett 680
 Thompson, Melanie R. 357
 Thorn, William C. 696, 697
 Thorpe, John E. 698
 Timken, Richard L. 699
 Tol, Dennis 700
 Tunink, David H. 636, 637, 701
 U.S. Army Corps of Engineers 702
 U.S. Bureau of Sport Fisheries 703
 U.S. Fish Wildlife Service 704, 705, 706, 707, 708,
 709
 Underhill, James C. 710, 711
 Unkenholz, Dennis G. 64, 348, 495, 616, 712, 713,
 714
 Unkenholz, Eric G. 715, 716
 Van Den Avyle, Michael J. 582
 Van Eeckhout, Gene 89

Van Wilgus, Russell 592
 Van Zee, Brian E. 717, 718, 719, 721, 720
 Vandell, George M., III 366, 722
 Vanderpuye, Chief J. 723, 724
 Vanicek, C. David 726
 Vanicek, Charles D. 725
 Vasamsetti, Ramakrishnaraju 727
 Vatturi, Sucharitha 728
 Vaughn, Charles M. 800
 Vierling, Kerri T. 729
 Vodehnal, William L. 730
 Vogel, David A. 68, 214, 404, 405, 731
 Wagers, Bob 732
 Wahl, James R. 74, 733, 734, 735
 Walburg, Charles H. 466, 544, 548, 694, 736, 738,
 741, 742, 743, 737, 739, 740, 744, 745, 746
 Walker, Ronne E. 747, 748
 Wall, Steven S. 257, 750, 749, 751
 Walsh, Richard J. 89, 752
 Walter, Carl M. 753, 754
 Walter, Dray D. 755
 Walters, Timothy R. 756
 Waltner, Chantel M. 95, 757
 Ward, Matthew J. 758, 759
 Warnick, Don C. 760
 Wedel, Waldo R. 761
 Weimer, Eric J. 762
 Wellik, Robert D. 763
 Wentz, W. Alan 764
 Werdon, Selena J. 219, 765, 766,
 Wesolowski, Edwin A. 628
 Wessel, Scott E. 768
 Wheeler, Gary P. 769
 White, Gilbert F. 77
 Whitley, D. L. 789
 Wickstrom, Gerald A. 201, 770, 771, 778
 Wiedmeyer, Roy H. 475
 Wier, Hazel C. 772, 773
 Williams, Jack E. 774
 Williams, James D. 186, 774, 775
 Williamson, Joyce E. 628, 776
 Willis, David W. 9, 58, 61, 62, 63, 64, 100, 102,
 103, 105, 106, 107, 108, 112, 132, 164, 165,
 241, 243, 244, 245, 246, 249, 250, 251, 252,
 269, 270, 293, 295, 296, 297, 298, 299, 300,
 301, 302, 303, 304, 308, 313, 314, 315, 324,
 359, 360, 361, 363, 372, 374, 375, 377, 378,
 379, 380, 382, 383, 397, 425, 436, 445, 446,
 451, 452, 453, 488, 501, 502, 532, 533, 551,
 552, 553, 554, 555, 556, 557, 577, 584, 585,
 586, 587, 588, 589, 590, 591, 594, 625, 638,
 639, 642, 718, 719, 720, 758, 759, 777, 778,
 779, 780, 781, 782, 783, 784, 785, 786, 787,
 790
 Wilson, Stephen K. 788
 Winton, J. R. 565
 Witt, A. Jr. 529
 Witzke, B.J. 789
 Wolf, Alan E. 790
 Wolters, James D. 95, 791
 Wood, W. Raymond 793
 Woolman, Albert J. 792
 Woolworth, Alan R. 793
 Worthington, Edgar B. 77
 Wyman, S. 192, 499
 Yant, Philip R. 233
 Young, Bradley 96, 97, 794
 Young, John C. 795
 Younk, Jerry A. 796
 Zale, Alexander V. 797
 Zalesky, R.C. 798
 Zehfus, Michael H. 53, 54
 Zimmer, D.W. 546
 Zimmerman, Charles J., Jr. 799
 Zischke, James A. 800
 Zittel, Ann E. 636, 637, 801
 Zuboy, James R. 89, 440, 622, 632
 Zuerlein, Gene 802
 Zweiacker, Paul L. 803

