

Wisconsin Aquaculture Resource Guide

Aquaculture is of growing importance worldwide. In its many facets, aquaculture includes production of all kinds of aquatic species — animal and plant — for food, stocking, bait and industrial uses.

Recreational fishing is becoming more dependent on aqua-culturally produced stock, and aquaculture is increasingly meeting consumer demands for edible fish and shellfish. Some experts predict aquaculture output will increase as much as 400 percent worldwide, and Wisconsin could share in this growth.

Wisconsin's opportunities lie in several directions. Public and private facilities in the state are being called upon to supply more warm-and cold-water species both for stocking recreational fisheries and as food fish for consumers. Aquaculture development in Wisconsin is being guided by an industry advisory committee with assistance from the university and several state agencies.

This pamphlet is designed to serve as an introductory reference for people interested in starting a fish farm or an aquaculture operation.

ORGANIZATIONS

For an industry perspective and information on raising a variety of fish species, contact:

Wisconsin Aquaculture Association
PO Box 15
Lewis, WI 54851
(715) 653-2271

Wisconsin Aquaculture Industry Advisory Council
PO Box 8911
Madison, WI 53708-8911
(608) 224-5135
FAX (608) 224-5510

World Aquaculture Society
Louisiana State University
16 E Fraternity Lane
Baton Rouge, LA 70806
(504) 388-3137

TECHNICAL ASSISTANCE

Fish Production

The University of Wisconsin Sea Grant Institute provides education and assistance in raising various fish species. For information, contact:

Aquaculture Specialist, UW Sea Grant Advisory Services
Center for Great Lakes Studies
600 E Greenfield Avenue
Milwaukee, WI 53204
(414) 382-1700

Fish Propagation

Information on the propagation of fish by the Wisconsin Department of Natural Resources can be

obtained from:

Fish Propagation Specialist
Wisconsin Department of Natural Resources
PO Box 7921
Madison, WI 53707
(608) 267-7865

Fish Health

Information on fish diseases and general fish health can be obtained from:

Fish Health Specialist
Wisconsin Dept of Natural Resources
PO Box 7921
Madison, WI 53707
(608) 266-2871

Fish Disease Specialist
US Fish & Wildlife Service
PO Box 1595
La Crosse, WI 54602-1595
(608) 783-6451

The Wisconsin Department of Agriculture, Trade & Consumer Protection regulates fish processing under Chapter 97, Stats. For information, contact:

WDAT&CP Food Division
PO Box 8911
Madison, WI 53708-8911
(608) 224-4716

State Regulations

The Wisconsin Department of Natural Resources regulates aquaculture in relation to fish stocking, water quality, water use, importation of fish species and licensing of private hatcheries. For local information, contact the local DNR Fish Manager, or:

Lake Michigan District Fisheries Supervisor
Wisconsin Dept of Natural Resources
1125 N Military Avenue
PO Box 10448
Green Bay, WI 54307
(414) 492-5800

Northwest District Fisheries Supervisor
Wisconsin Dept of Natural Resources
Highway 70 West
PO Box 309
Spooner, WI 54801
(715) 635-2101

Southern District Fisheries Supervisor
Wisconsin Dept of Natural Resources

3911 Fish Hatchery Road
Fitchburg, WI 53711
(608) 275-3338

North Central District Fisheries Supervisor
Wisconsin Dept of Natural Resources
107 Sutliff Avenue
PO Box 818
Rhineland, WI 54501
(715) 362-7616

Southeast District Fisheries Supervisor
Wisconsin Dept of Natural Resources
2300 N Dr Martin Luther King Drive
PO Box 12436
Milwaukee, WI 53212
(414) 263-8500

Western District Fisheries Supervisor
Wisconsin Dept of Natural Resources
1300 W Clairemont Avenue
Call Box 4001
Eau Claire, WI 54702
(715) 839-3700

Business Development

The University of Wisconsin-Extension Small Business Development Centers offer education in business planning and one-to-one counseling. For information, contact:

UW-Eau Claire	(715) 836-5811
UW-Green Bay	(414) 465-2089
UW-La Crosse	(608) 785-8782
UW-Madison	(608) 263-2221
UW-Milwaukee	(414) 227-3240
UW-Oshkosh	(414) 424-1541
UW-Parkside	(414) 553-2620
UW-Stevens Point	(715) 346-2004
UW-Superior	(715) 394-8351
UW-Whitewater	(414) 472-3217

The Wisconsin Department of Development helps small businesses identify the required permits and financial support. For information, contact:

Small Business Ombudsman
Wisconsin Department of Development
123 W Washington Avenue
PO Box 970
Madison, WI 53707
(608) 266-5489

Business Permit Center
(800) 435-7287

Marketing

Counseling on the marketing of aquaculture food fish products can be obtained from the Wisconsin Department of Agriculture, Trade & Consumer Protection. For information, contact:

WDATCP Marketing Division
PO Box 8911
Madison, WI 53708-8911
(608) 224-5132

UNIVERSITY RESEARCH

The University of Wisconsin conducts aquaculture research at several of its campuses. For additional information, contact UW Sea Grant.

UW-Madison
Aquaculture Center
University of Wisconsin-Madison
103 Babcock Hall
Madison, WI 53706
(608) 263-1242

UW-Milwaukee
Aquaculture Institute
Great Lakes Research Facility
600 E Greenfield
Milwaukee, WI 53204
(414) 382-1700

UW-Stevens Point
Cooperative Fisheries Research Unit
College of Natural Resources
University of Wisconsin-Stevens Point
Stevens Point, WI 54481
(715) 346-2178

PUBLICATIONS

Many of the publications listed below are available at local public libraries or through inter-library loan.

Periodicals

Aquaculture Letter (biweekly)
3400 Neyrey Drive
Metairie, LA 70002

Aquaculture Magazine (bimonthly)
PO Box 2329
Asheville, NC 28802

Northern Aquaculture
4611 William Head Road
Victoria, BC V8X 3W9

The Progressive Fish-Culturist (quarterly)

American Fisheries Society
5410 Grosvenor Lane Suite 110
Bethesda, MD 20814

Water Farming Journal (monthly)
3400 Neyrey Drive
Metairie, LA 70002

World Aquaculture (quarterly)
Louisiana State University
16 E Fraternity Lane
Baton Rouge, LA 70806

Books

Culture and Diseases of Game Fishes. H.S. Davis. 7th Reprinting. Berkeley and Los Angeles: University of California Press, 1973.

Culture of Non-Salmonid Freshwater Fishes. Robert Stickney, ed. Boca Raton: CRC Press, 1986.

Fish Hatchery Management. Robert G. Piper, ed. Washington: U.S. Department of the Interior, Fish & Wildlife Service, 1982.

The Freshwater Aquaculture Book: A Handbook for Small-Scale Fish Culture in North America. William McLarney. LC84-80961, ISBN 0-88179-002-8. Hartley and Marks, 1984.

Management of Lakes and Ponds. George W. Bennett. LC83-6091, ISBN 0-89874-626-4. Reprint of 1970 edition text. Krieger, 1983.

Principles of Warmwater Aquaculture. Robert Stickney. New York: Wiley, 1979.

Trout and Salmon Culture: Hatchery Methods. Robert Conklin Lewis. State of California, Department of Fish and Game, 1976.

Reports

Wisconsin Aquaculture: A State Plan. State of Wisconsin: Wisconsin Aquaculture Study Committee, 1988.

Pamphlets

Choosing an Organizational Structure for Your Aquaculture Business. S.T. Kohler and D.A. Selock. South Illinois University. North Central Regional Aquaculture Center Fact Sheet #103, June 1992. (Available from UW Sea Grant)

Handbook for Common Calculations in Finfish Aquaculture. Gary Jensen. Louisiana Agricultural Experiment Station & Louisiana Cooperative Extension Center. Louisiana State University Agricultural Center, August 1988.

Making Plans for Commercial Aquaculture in the North Central Region. D.L. Garling. Michigan State University. North Central Regional Aquaculture Center Fact Sheet #101, March 1992.

(Available from UW Sea Grant)

Pond Culture of Walleye Fingerlings. L.M. Harding, C.P. Clouse, R.C. Summerfelt and J.E. Morris. Iowa State University. North Central Regional Aquaculture Center Fact Sheet #102, March 1992. (Available from UW Sea Grant)

Sea Grant Aquaculture in the Great Lakes Region — A Publications List. Great Lakes Sea Grant Network. Piketon, Ohio: The OSU Piketon Research & Extension Center, 1991. (Available from UW Sea Grant)

Use and Application of Salt in Aquaculture. L. Swann and S. Fitzgerald. Purdue University. North Central Regional Aquaculture Center Fact Sheet #105, June 1992. (Available from UW Sea Grant)

Additional copies of this publication are available from:

University of Wisconsin Sea Grant Institute
1800 University Avenue
Madison, WI 53705-4094
(608) 262-0645

University of Wisconsin Aquaculture Institute
Great Lakes Research Facility
600 East Greenfield Avenue
Milwaukee, WI 53204-2944
(414) 382-1700

University of Wisconsin-Madison Aquaculture Center
103 Babcock Hall
Madison, WI 53706
(608) 263-1242

Wisconsin Aquaculture Association
PO Box 15
Lewis, WI 54851
(715) 653-2271

Wisconsin Department of Agriculture, Trade & Consumer Protection
PO Box 8911
Madison, WI 53708-8911
(608) 224-5137

Wisconsin Department of Natural Resources
Fisheries Management
101 S Webster Street
PO Box 7921
Madison, WI 53707
(608) 266-1877

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