



## Fisheries Management

Students in this field will develop the biological and ecological background needed to manage and sustain healthy populations of fish and other aquatic organisms. Professionals in this area work with government, industry, and private organizations to insure fisheries conservation objectives are met. Others work as consultants, often forming their own businesses. Some become educators and rangers.

Subdisciplines in this field include:

Scientist  
Project Manager  
Fisheries Biologist / Technician  
Aquaculturist  
Aquatic Ecologist  
Aquatic Toxicologist  
Fish and Game Warden  
Professor / Educator

Shane Hendrickson was born in Missoula, MT, and raised in Arlee. He is a member of the Confederated Salish and Kootenai Tribes and received a Bachelor Degree from the University of Montana in Wildlife Biology with an Aquatic Emphasis. Currently he is a Fish Biologist for the Lolo National Forest, working on the Missoula and Seeley Lake Ranger Districts documenting watershed and fishery health and determining the impacts of forestry projects on fish and other aquatic organisms. Mr. Hendrickson also works as an "Aquatic Organism Passage Instructor" to teach engineers, hydrologists, and fish biologists about how to construct stream crossings (places where roads cross streams) so that they do not become barriers to fish. He has also served as a professional mentor for a high school student interested in pursuing a fisheries degree, and he works as a Resource Advisor for the Forest Service, advising fire managers on how to minimize fire fighting impacts on fisheries and how to restore watersheds after large and small fires.



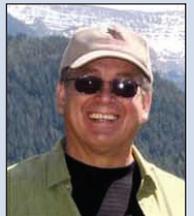
## Management and Conservation

Graduates work in an ever-expanding breadth of jobs related to the conservation and management of forests and other renewable natural resources in the United States and beyond. From Tribal forests to national forests to wildlife refuges and parks, managers are needed to guide the use and sustainability of our nations natural resources.

Subdisciplines in this field include:

Forester / Forestry Technician  
Environmental Consultant  
Conservation Biologist  
Fire Suppression Specialist  
Rangeland Specialist  
Environmental Protection Specialist  
Land Use Planner  
Habitat Conservation Specialist  
Natural Resource Specialist  
Greenhouse Manager  
Soil Management  
Restoration Specialist  
Professor / Educator

Tom McDonald is a member of the Confederated Salish and Kootenai Tribes and currently holds the administrative position of Division Manager for the Tribes' Fish, Wildlife, Recreation and Conservation Division. The Division employs approximately 75 resource specialists and professionals for fish, wildlife and recreation management on the 1.3 million acre Flathead Indian Reservation and within the aboriginal territory of the Tribes. Mr. McDonald has been working for the Tribes' Natural Resources Department in various capacities for the past 30 years and possesses a bachelor's degree in natural resource management from The Evergreen State College. His work experience over the past 36 years has varied from conducting wild and prescribed fire work to managing fish and wildlife resources and lands to writing wilderness, recreation, land use, and fish/wildlife management plans. He is an active member of the Montana/Wyoming Tribal Fish and Game Commission and the Native American Fish and Wildlife Society. Additionally, he has helped to guide long-term hunting and fishing agreements between the Tribes and Montana Fish, Wildlife and Parks along with various partnerships with other state, tribal, federal and non-governmental entities.



## Policy and Planning

*With a background in forestry/natural resource policy and planning, you will develop strategies for putting your knowledge about environmental and natural resources into action.*

*Policy includes both the big and little decisions needed to manage our environmental and natural resources. These decisions can entail something as big and formal as the federal Clean Water Act or as small as a local recycling program.*

*Subdisciplines in this field include:*

*Chief Forester, Deputy Forester  
Regional Administrator  
Environmental Planning  
Environmental Compliance Specialist  
Environmental Lawyer  
Litigation Assistant  
Environmental Policy  
Environmental Consultant  
Regulatory Affairs Specialist  
Economist  
Professor*

## Forestry and Natural Resource Sciences

*Studies in this discipline provide a broad exposure to the biological and physical sciences, from the study of forests, to water systems (hydrology), forest ecology, tree physiology and insects and disease (entomology and pathology) to forest soils, geology, and microclimatology.*

*Subdisciplines in this field include:*

*Forester / Forestry Technician  
Biologist  
Botanist  
Hydrologist  
Environmental Protection Specialist  
Naturalist  
Ecologist  
Soil Scientist  
Pathologist / Entomologist  
Fisheries or Wildlife Biologists  
Limnologist  
Zoologist*

Richard Janssen is a Pend d'Oreille Indian and member of the Confederated Salish and Kootenai Tribes. After graduating from Ronan High School, he attended the University of Montana and then Gonzaga University where he received a Master's Degree in Business Administration. He has worked for the Confederated Salish and Kootenai Tribes his entire 20-year career and is currently the Department Head of Natural Resources, overseeing three Divisions, which include the Division of Environmental Protection, Fish, Wildlife, Recreation, and Conservation as well as the Division of Water. Most recently, Mr. Janssen has been honored as a Distinguished Alumni of the University of Montana School of Forestry and Conservation.



Mr. Janssen and his wife Julie have two children, and he has been a sports coach and taught business classes at Salish Kootenai College. He has served on the United States Environmental Protection Agency Children's Health Protection Advisory Committee and as a board member at Salish Kootenai College, St. Luke Community Hospital in Ronan, and S & K Technologies.

Jean Matt (Pronounced Jon), an enrolled member of the Confederated Salish and Kootenai Tribes (CSKT), was raised and graduated from high school in St. Ignatius, MT. He has lived on the Flathead Indian Reservation most of his life and currently resides in Polson with his wife and four daughters. Jean has a Bachelor of Science degree in forest resource management from the University of Montana. Upon completion of his college degree he went back to work for CSKT's forestry program as a manager of the forest development program, overseeing a 100% tribal-member workforce. Forest development activities include: pre-commercial thinning, planting, overseeing the native plant nursery, heavy equipment program, and seed collection and storage. Recently Jean completed the National Advanced Silviculture program to become a certified silviculturist. He was a 2008 recipient of the distinguished Earle R. Wilcox award in recognition for outstanding service to Indian forestry and has conducted tours and served as a speaker with audiences ranging from professional foresters in academia to elementary students from local reservation schools. CSKT's forest development program has prospered under Jean's management. It is currently recognized as a national leader in environmental management. Jean enjoys teaching and working for CSKT forest development program.



## *Environmental Science and Technology*

*In this highly interdisciplinary field, students use technologies like GIS and sophisticated air and water sampling to conduct environmental monitoring, measurements and assessments, prevent pollution, manage hazardous materials, and guide forest management decisions. Graduates work as GIS experts, environmental scientists and consultants, laboratory analysts, and educators.*

*Subdisciplines in this field include:*

*Forestry GIS Analyst  
GIS Technician  
Environmental Technology  
Air and Water Quality Specialist / Chemist  
Environmental Health Specialist  
Environmental Safety Specialist  
Geotechnical Engineer  
Toxicologist  
Water Recycling And Solid Waste Engineer  
Watershed Program Director  
Water Quality Specialist  
Photogrammetry  
Educator*

Bill Swaney, an Environmental Science Instructor at Salish Kootenai College, has undergraduate and graduate degrees in wildlife biology from the University of Montana. During his career with the Confederated Salish and Kootenai Tribes' Natural Resource Department, his training and education allowed him to work in nearly all areas of natural resource management, including fisheries, forestry, recreation, water rights, wildlife, and environmental protection. He has assisted with development of management plans for the tribal wilderness, researched the effects of fluctuating water levels on Canada geese, assisted with wildlife considerations on timber sale planning, and directed programs aimed at environmental protection. Bill is now in his 13th year at Salish Kootenai College, instructing courses in natural resources, environmental science, and forestry degree programs, primarily in the areas of wildlife, such as mammalogy, ornithology, and wildlife management. The topic of ecology is his favorite subject to teach. His greatest motivator is playing a role in the education of tribal people in the hope that their education will open the same doors for them as it did for him.



*It's your future...  
Make it the very best it can be!*

