Antonio Trogrlic
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WIN ID 383137

RE: Job ID 153684 GREAT LAKES FISHERIES TECHNCIAN, Ministry of Natural Resources and Forestry.

I am excited to be applying to the position of Great Lakes Fisheries Technician with the Ontario Ministry of Natural Resources and Forestry (OMNRF), Fish and Wildlife Services Branch. This position offers me a new challenge and opportunity to expand and grow in the fisheries field while offering the years of experience I have already obtained working in fisheries with the OMNRF and in the private sector. I have completed several RT2 and RT3 contracts with the Northwest Biodivesity and Monitoring Section (NWBAMS) and Quetico Mille Lacs Fisheries Assessment Unit (QMLFAU) where I developed my skills as a Fisheries Technician involved in several different and unique projects implementing various OMNRF protocols using a variety of fisheries gear. As an RT3 Fisheries Technician and a Fisheries Biologist with DST Consulting Engineers Inc., I developed my leadership and project management abilities managing staff, project design and implementation.

Mandatory Requirements

- Possess valid class "G" Ontario drivers licence
- Possess MED 3 (Marine Emergency Duties) certificate from the Canadian Coast Guard
- Ability to obtain certification equivalent to or greater than Master 150 Gross Tonnage, Domestic

Technical Skills

You have demonstrated ability to provide technical support for programs involving gillnetting, trapnetting, trawling, electrofishing, creel surveys and commercial catch.

- I completed 4 full seasons of Broad Scale Fisheries Monitoring as an RT1 and RT2 Fisheries Technician with NWBAMS. I fulfilled the role of crew leader for 3 seasons, implementing large and small mesh monofilament gill nets, and performed a special Sturgeon project using RIN type monofilament gills nets and custom made multifilament gill nets between 4 and 10 inches in mesh size to capture adult sturgeon.
- As an RT2 and RT3 Fisheries Technician with QMLFAU I completed two full seasons of roving creel surveys, one FWIN survey using monofilament gill nets, and two NSCIN surveys using 6 foot polypropylene trap nets. In several of these cases I took on the role as crew leader and Project Lead. As an Fisheries Biologist with DST Consulting Services I performed BSFM surveys which required the procurement and use of single gang monofilament large mesh and small mesh gill nets on lakes. I also performed OSAP surveys which included backpack electrofishing on several streams.
- In my role as an RT2 and RT3 Fisheries Technician with NBAMS and QMLFAU and as a Fisheries Biologist with DST consulting, I was responsible for the grading and inventory of gill nets, trap nets and other fishing gear throughout and at the end of each season. I have experience and knowledge in net mending techniques and was responsible for ordering new gear when required.

You have demonstrated ability and attention to detail in processing fish samples for biological data.

- I have extensive experience in live and euthanized fish sampling and recording techniques. In my role as a Fisheries Technician implementing BSFM, I have sampled several thousands of fish for length, weight, sex, gonad development, stomach contents, ageing structures, genetics and contaminant samples. In my role as an RT2 and RT3 Fisheries Technician with QMLFAU I gained extensive experience sampling live fish implementing NSCIN and mark recapture studies for Walleye, Smallmouth Bass, Northern Pike and Lake Sturgeon. I participated in a special project with NWBAM to develop a guideline for the positive identification of developing Walleye gonads. I have performed Walleye egg counts on samples collected during FWIN studies to determine a rise or reduction in Walleye fecundity on Whitefish Lake and Lac Des Mille Lacs. I am very familiar with OMNRF protocols when recording fisheries data and have always performed to the highest standard when sampling and recording data by implementing quality control checks throughout, and after the sampling and data recording process. In my role as an RT3 Fisheries Technician this included mentoring and training staff to ensure a positive learning experience for junior staff while ensuring proper sampling and data entry techniques and protocols are followed.

You have demonstrated ability to operate/maintain various types of fishing gear, boats, motors, navigation aids and limnological equipment.

- I have operated, set and lifted a variety of fisheries gear including but not limited to: BSFM; FWIN; RIN; and custom multifilament gill nets; NSCIN trap nets; hoop nets; fyke nets; seine nets; gee traps; drift nets and backpack electrofishing units.
- I have operated boats ranging up to and over 8 meters in length and both tiller and console controlled motors ranging in size from 3hp to 150hp on waterbodies ranging in size from 100ha to 165700ha.

- I have operated various types of navigational aids and limnological equipment including but not limited to: handheld and boat mounted GPS units; portable and boat mounted depth sounding equipment; Bathymetric sounding equipment used to collect data for the creation of bathymetric maps; multi-parameter sonde units; YSI temperature and DO probes to determine trophic status of Lakes; hobo temperature logging units; flow meters; and Kemmerer samplers.
- I have experience programming, uploading and downloading data from navigational aids using Garmin Mapsource and Google Earth, as well as limnological equipment using Hobo and YSI software programs.

Knowledge of fisheries assessment

You have working knowledge of fisheries assessment and management techniques and principles.

- In my role as an RT3 Fisheries Technician with QMLFAU I was exposed to fisheries management principles in the projects I was involved in. I learned the value of specific core metrics used in fisheries assessment and what they mean when applying management techniques. For example, while analyzing Creel data in Fishnet 2 I learned the value of rod hours and how the metric is applied to future management of Walleye populations of the lake being studied. While performing fecundity egg counts on Walleye samples I learned that an increase in fecundity could be caused by a reduced population size. In my role as Fisheries Biologist with DST Consulting Engineers Inc. I was solely responsible for the design of a fish community study to determine the impact of a proposed mine on several Lake Nipigon tributaries. The study included fish habitat surveys, population estimates, fish community surveys and determination of trophic status of the lakes being studied. This study was included as part of the Environmental Impact Statement which was submitted to the Ministry of the Environment and Climate Change (MOECC).

You have knowledge of fish identification, diversity and the various fisheries of the Great Lakes and river in Ontario.

- Throughout my career in fisheries I have gained excellent fish identification skills in native, stocked, and invasive species. I have infield experience identifying live fish as well as lab experience identifying preserved specimens. I have been a part of several projects involving in land and Great Lakes populations of Lake Sturgeon, including collecting free drifting alveins in the Black Sturgeon River. In 2017, I successfully completed the ROM cyprinid identification course where I honed my cyprinid identification skills. I have always had a keen interest in Great Lakes fisheries and am an avid angler of Lake Superior, Lake Ontario and its tributaries. I am knowledgeable in the diverse cold water pelagic and warm water littoral fish communities that exist in the Great Lakes and its tributaries.

You have knowledge of worker responsibilities as outlined in the Occupational Health and safety act and associated safety regulations.

- I understand that as a Fisheries Technician for the OMNRF there are significant hazards especially when operating boats and motors on the Great Lakes. The worker responsibilities outlined in the Occupational Health and Safety Act are designed to safeguard against these hazards and I have always performed my duty to work in compliance with the Act and its safety regulations. I ensure that I use all safety equipment, protective devices or clothing required by the employer, tell the employer or supervisor about any known missing or defective equipment or protective device that may be dangerous, report any known workplace hazard or violation of the act to the employer or supervisor, and do not remove or make ineffective any protective device required by the employer or by the regulations.
- As this applies to the position, I would ensure that I know the location and the proper use of all PPE, safety equipment, and safety related literature (MSDS) and ensure that it is in good working order. When operating a vessel I would ensure that the crew knows the location of all safety equipment, and an overview of potential hazards are discussed. For example, I would identify environmental work conditions for the day and discuss possible hazards caused by these conditions and review ways of preventing them. I would ensure the crew knows how to properly operate safety equipment on board and perform procedures in case of an emergency. I firmly believe in being as proactive as possible and in taking all necessary precautions to ensure my crew and I are working safely.
- In my role as an RT3 Fisheries Technician with QMLFAU I often worked with hazardous chemicals in a lab environment performing fecundity counts on preserved Walleye ovaries and Cyprinid identification on preserved specimens. I always ensured that my PPE was in good working order and not expired, that I read and understood the appropriate SOP manuals and MSDS forms and ensured that they were up to date and readily available.
- In my role as Fisheries Biologist with DST Consulting Engineers I served on the safety committee for several months assisting the company to continually develop increasing safety standards as well as developing a Working on Ice Safe Operating Procedure.

You have knowledge of Ministry of Transportation (MTO) and Canadian Coast Guard (CCG)/Transport Canada (TC) regulations as they relate to on water safety and boat handling on the Great Lakes.

- In my role as an RT3 Fisheries Technician I have experience operating vessels greater and less than 8 meters in length under TC and CCG requirements as a commercial operator requiring MED A3 and SVOP certification. I was solely responsible for ensuring all required safety equipment was onboard and easy to reach at all times and that this information was communicated to the crew. I understand and have working knowledge of the different safety requirements for commercial vessels less, and greater than 8m in length as it applies to Vessels Working in Sheltered Waters greater than 2.5 nautical miles from shore. As part of my MED A3 and SVOP training I have knowledge of TC and CCG practices for safe boat handling techniques and have implemented those techniques in real world scenarios as an OMNRF Fisheries Technician. I have working knowledge of MTO regulations as they relate to towing boats and trailers under a G licence and I have working experience trailering loads approaching 4600 kilograms with heavy duty ¾ ton and 1 ton pickup trucks.

Interpersonal and communication skills

You have the ability to work in a team environment including providing daily direction to staff, including students, seasonal staff and other staff.

- Throughout my career I have always worked and thrived in a team environment that comes as part of the role of a Fisheries Technician. In my role as an RT2 and RT3 Fisheries Technician with QMLFAU I was often in the role of a supervisor providing direction and mentorship to Summer Experience Program staff, and seasonal staff to ensure work is performed in a safe and efficient manner. I assigned tasks to staff based on experience, strengths and weaknesses in an attempt to make individuals more marketable for future positions. I conducted staff reviews and communicated with senior supervisory staff to report on performance issues when needed.
- In my role as an RT3 Fisheries Technician with QMLFAU I often communicated with senior staff pertaining to project progress, targets, scheduling, staff issues, maintenance scheduling, and procurement of equipment.

You have communication skills to interact tactfully with members of the public and other staff, and write technical reports and communication materials.

- While working for the BSFM program my ability to communicate with the public while in the field was noted on several occasions and, as a result, I was selected to work on lakes with particularly difficult stakeholders to ensure that no issues arose by clearly and diplomatically communicating the goals and objectives of the OMNRF.
- In my role as a Fisheries Biologist with DST Consulting Engineers Inc., I presented fisheries data to First Nations stakeholders, and conducted open house events for MOECC Class Two Environmental Assessments. In this role I have also prepared numerous technical reports, presentations, email communication with staff, regulatory agencies, and stakeholders.

You have the ability to lead students and technicians in the field and lab in a safe and responsible manner.

- In my role as an RT2 and RT3 Fisheries Technician I have acted as a supervisor leading SEP students and RT1 Fisheries Technicians in the field in various scenarios, including in remote fly-in lakes, rough water, fast moving current, low light and foggy conditions. MNRF Safe Operating Procedures were followed while working in the field by filling out the proper daily checklists to ensure equipment was in good working order and that hazards were identified and mitigated. While working in a lab setting I ensured that proper PPE was issued and that the Students and Technicians knew how to use it, all Safe Operating procedures were adhered too and MSDS information sheets were reviewed and readily available. I have always performed my duties adhering to OMNRF Safe Operating Procedures and have a proven track record of safe operation with no accidents or injuries.

Computer proficiency

You are proficient with computer programs such as regular office hardware and software, and programs such as GIS, GPS and navigation software.

- I have a wide range of experience with regular office hardware and software such as personal computers, laptops, office phone systems, Microsoft Office software, OMNRF intranet and email services. I have experience with GIS software GPS and navigation software such as ArcGIS, ArcMap, Garmin Map source, and Google Earth. I am also proficient in the use of FISHNET 2 and have experience compiling and producing data for NSCIN and Creel Surveys. In my role as Fisheries Biologist with DST Consulting Engineers I became very proficient in the use of Microsoft Excel for maintaining large databases and presenting data in reports.

I would be pleased to answer any questions and explain my qualifications further. I may be contacted anytime of the day by telephone at (807) 633-5343 or by email at atrogrli@lakeheadu.ca to arrange an interview at your convenience. I welcome the opportunity to discuss how my credentials would contribute to the future of the Upper Great Lakes Management Unit.

Sincerely,

Antonio Trogrlic

Antonio Trogrlic
WIN ID 383 137

EDUCATION

HBSc Graduate of Water Resource Science, Specialization in Applied Environmental Water Management, Lakehead University, 2015

OCD Graduate of Environmental Technician, Confederation College, 2015

OCD Graduate of Fish and Wildlife Technician, Fleming College, 2006

WORK EXPERIENCE

Commercial Bait Harvest, January 2019 to present
Private Bait Trapper

- Privately trapped bait as a designate for several bait harvest license holders in the Thunder Bay Region
- Gained extensive experience in the use of gee style minnow traps, and Fold type leech traps
- Gained field experience in Cyprinid Identification
- Operated and maintained a private fleet of small boats, outboard motors, ATV's, argos, and trailers.
- Worked in remote areas alone and under no direct supervision

Quebec Lodge-Nipigon River Adventures, Red Rock Ontario, May-September 2019, 2020
Fishing Guide

- Guided guests on the Nipigon river system, Lake Nipigon and Lake Superior primarily for Brook Trout but also for Lake Trout, Pacific Salmon, Steelhead and Northern Pike
- Was responsible for Following MTO, Canadian Coast Guard and Transport Canada Standards and maintaining the safety of guests while operating a 20 foot boat on large waterbodies and often in strong current
- Managed repair and maintenance, and provided servicing of lodge assets including outboard motors, boats, and trailers

DST Consulting Engineers Inc. Thunder Bay Office – Technical Services Division, July 2017-August 2018
Fisheries Biologist

- Performed fish habitat and population assessments, fish community indexing, site inspections and environmental monitoring for mining projects, baseline environmental assessment and provincial fisheries assessment
- Conducted a variety of wildlife surveys and assessments, including surveys for Species at Risk (SAR), for environmental baseline and assessment projects
- Produced and contributed to reporting for Environmental Impact Statements, as well as fisheries and wildlife reporting for a number of environmental baseline programs for development projects in Ontario
- Experience with a variety of legislation relevant to environmental projects involving fish and wildlife in Ontario, including the Fisheries Act, Species at Risk Act, Endangered Species Act, Metal Mining Effluent Regulation (MMER), and the Fish and Wildlife Conservation Act.
- Responsible for completing request for proposals, project design, data analysis, procurement of gear and equipment, budget forecasting

OMNRF – Quetico-Mille Lacs Fisheries Assessment Unit, Thunder Bay, Ontario, March 2017-July 2017
Resource Technician III - Fisheries Technician

- Performed various fisheries studies on lakes in Northwestern Ontario ranging in size from 100 ha to 165,700 ha and rivers with watersheds up to 744,000 ha
- Operated Watercraft up to 21 ft in length with outboard motors up to 150hp
- Responsible for project management and implementation of various fisheries projects including scheduling of field work, logistics, budgeting and procurement, working with First Nations and government agencies, and training of seasonal staff
- Implemented several SAR projects focusing on Lake Sturgeon in the Kaministiquia and Black Sturgeon Rivers
- Responsible for ensuring accurate data collection, data entry using Fishnet 2 software and Microsoft Excel, and producing statistical outputs in both Fishnet 2 and Excel
- Responsible for the safety, training and professional development of Summer Experience Programs (SEP) students during the summer field season
- Managed repair and maintenance, and provided servicing (or: Managed the repair, maintenance, and servicing of unit assets…)to unit assets including outboard motors, generators, ATV's, boats, snow machines, argos and trailers

OMNRF – Growth and Yield Forestry Program, Thunder Bay, Ontario, November-March 2016-2017
Resource Technician I – Forestry Technician

- Gained forestry experience assisting program staff in White Spruce stand growth and yield analysis
- Responsible for tree cookie sample organization, preparation, photo scanning and digital database updating
- Assisted crews in the field implementing the growth and yield program protocol, cutting and removing large quantities of White Spruce tree cookie samples

OMNRF – Quetico-Mille Lacs Fisheries Assessment Unit, Thunder Bay, Ontario, Summer/Fall 2014-2016
Resource Technician II - Fisheries Technician

- Performed various fisheries studies under no direct supervision on lakes in Northwestern Ontario ranging in size from 89 ha to 24,510 ha and rivers with watersheds up to 744,000 ha
- Operated watercraft up to 20 ft in length with outboard motors up to 150 hp
- Maintained and operated outboard motors, generators, ATV's, boats, Argos and trailers
- Responsible for the management of large volumes of samples and raw data, and daily quality control checks

OMNRF – Broad Scale Fisheries Management program, Thunder Bay, Ontario, Summer/Fall 2008-2010 and 2014
Resource Technician II - Fisheries Technician

- Implemented the Broad Scale Fisheries Management program on lakes in Northwestern Ontario ranging in size from 100 ha to 30,000 ha
- Worked on several remote fly in, and quad access only lakes for up to 12 days
- Gained excellent outdoor living skills with the ability to camp outdoors for extended periods of time
- Lead a crew of Fisheries Technicians under no direct supervision
- Gained valuable baitfish, juvenile sport fish and macro invertebrate identification skills through the use of small mesh gill nets. Macro invertebrates were sampled using d-nets as part of a stable isotope study
- Learned various sampling methods, including MOECC contaminate and stable isotope sampling
- Gained experience in water quality sampling using YSI meters

OMNRF – Wildlife Assessment Program, Thunder Bay, Ontario, Summer 2011
Resource Technician II - Wildlife Technician

- Implemented the Provincial Wildlife Population Assessment Monitoring Program
- Gained experience in the identification of wildlife sign, visual bird and song identification, forest plant identification, and soil analysis
- Implemented ecological land classification as well as ecosite identification
- Learned and gained experience in proper and accurate mapping and compassing techniques
- Was responsible for the safety of my crew in a remote environment and in extreme weather conditions
- Ensured excellent data through the use of daily quality control checks

OMNRF - North West Biodiversity and Monitoring, Thunder Bay, Ontario, Fall 2010
Resource Technician I - Fisheries Technician

- Implemented a new Sturgeon research project under the OMNRF River Index Netting protocol
- Assisted in the organization and execution of a new research program
- Gained experience in removing ageing structures from adult Lake Sturgeon
- Gained valuable shallow river boating and paddling skills
- Networked with various consulting firms, DFO, First Nations and several branches of the OMNR

Toronto and Region Conservation Authority, Toronto, Ontario, Spring 2008
Headwater Study Technician

- Collected stream drift samples, peak flow and velocity data to determine biological input of headwater streams throughout major watersheds in the Greater Toronto Area
- Gained experience in the use of drift sampling D nets, kick nets, crest-stage flow meters, ADCP probes, and macro invertebrate identification

OMNRF – Kawartha Lakes Fisheries Assessment Unit, Lindsay, Ontario, Summer/Fall 2007
Resource Technician I – Fisheries Technician

- Assisted fisheries staff implementing various fisheries projects in the Kawartha Lakes region of Ontario
- Gained valuable fish sampling experience
- Gained experience in the use and maintenance of trap and gill nets

References: Available Upon Request