JOHN CARLUCCI

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INTERESTS OF STUDY

Fisheries population dynamics, recovery, and conservation.

Understanding human impacts on fisheries

Sustainable fisheries management practices

EDUCATION

UNIVERSITY OF MAINE, ORONO, ME

M.S. MARINE BIOLOGY

B.S. Marine Science and Environmental Science
Fisheries Minor
Honors College
GPA: 3.31

Relevant Course Work:
AP Environmental Sciences
BIO 100 – Basic Biology
CHY 121 – Introduction to Chemistry
CHY 122 – Molecular Basis of Chemical Change
MAT 232 – Principles of Statistical Inference
SMS 201 – Biology of Marine Organisms
SMS 230 - Marine Policy and Management
SMS 300 – Marine Ecology
SMS 321 – Introduction to Fisheries Science
SMS 322 – Biology of Marine Vertebrates
SMS 422 – Biology of Fishes
SMS 491 – Ocean Health and Human Issues
WLE 410 – Population Dynamics and Wildlife Conservation
BIO 350 – Concepts and Applications of Genetics
SMS 491- Marine Microbial Biology
SMS 304 – Comparative Physiology, Cellular, and Molecular Biology

M.S. MARINE BIOLOGY STUDENT| UNIVERSITY OF MAINE
JUNE 2017 – PRESENT

Collect data on ground fish species while conducting a long line/jig survey in the eastern Gulf of Maine.

Duties:

- Collect stomach samples, tissue samples, and fin clips on various species of ground fish for analysis by multiple scientists aboard a commercial long line vessel.
- Create sample databases to catalogue all samples collected.
- Extract cod otoliths for future ageing and micro-chemical analysis

LEVEL 4 STUDENT RESEARCHER | UNIVERSITY OF MAINE
SEPTEMBER 2016 – PRESENT

Support Dr. Yong Chen by assisting masters students and by organizing several decades worth of data in regards to fisheries science in the Gulf of Maine in order to condense information into one succinct folder for future use.

Duties:

- Assist Masters students by helping them in the field to collect data for the ground fish sentinel survey as well as the North Atlantic shrimp survey.

- Enter the data collected in a format compatible with ARCGIS
- Organize all data collected by State, Federal, Private, and University data that has been collected on various fisheries in the Gulf of Maine.

LEVEL 4 STUDENT RESEARCHER | NATIONAL OCEANIC & ATOMSPHERIC ADMINISTRATION (NOAA)
OCTOBER 2015 - PRESENT

Collect information from various scientific journals and report brief synopses to the Biologists of NOAA. Track and record information in a master reference review document.

Duties:

- Read, summarize and cite scientific literature
- Organize information in a master literature brief
- Develop a write-up on all of the information gathered for future use

LEVEL 4 STUDENT RESEARCHER | UNIVERSITY OF MAINE
MARCH 2015 – DECEMBER 2015

Support Dr. Andrew Thomas by synthesizing satellite data in regards to sea surface temperature change in the Gulf of Maine.

Duties:

- Correct satellite imagery of the Gulf of Maine through coding programs
- Maintain a list of images that were deleted or severely skewed

STUDENT LABOROR | UNIVERSITY OF MAINE
OCTOBER 2014 – FEBRURAY 2015

Assisted Dr. Paul Rawson sorting plankton tows observing invasive worm larva.

Duties:

- Perform plankton tows around oyster cages
- Sort plankton tow under a microscope using pipettes to remove worm larvae
- Placing worm larvae in tubes labeled according to the date they were collected
- Creating bioassays to identify the species of each larva

BIOLOGIST ASSISSTANT | UNIVERSITY OF MAINE/MAINE DEPARTMENT OF MARINE RESOURCES
2017

Assisted DMR biologist in tagging of Atlantic Halibut for fisheries

EMPLOYMENT

BIOLOGIST ASSISTANT | MAINE DEPARTMENT OF MARINE RESOURCES (PENOBSCOT ATLANTIC SALMON RESTORATION PROGRAM)
MAY 2015 – AUGUST 2015

Collect and manage multiple data sets for several species including Atlantic salmon, American Shad, Alewives and Blueback Herring.

Duties:

- Operate pneumatic gates at a fish lift
- Measuring and determining the sex of salmon
- Identifying the species and sex of blueback herring and alewives obtained in 50-fish herring samples
- PIT Tagging Salmon and Alewives and blueback herring
- Obtaining and labeling genetic samples from salmon
- Taking scale samples on salmon and American shad

- Mounting scales on slides
- Aging fish from scales and determining fish origin
- Monitoring holding tank water chemistry
- Counting and sorting fish by species
- Stocking sea run alewives and blueback herring
- Monitoring data obtained at fish way counting tubes
- Maintaining data sheets on the fish species and number of each species passed
- Maintaining Data sheets on size, sex, origin, age, and disposition of salmon.

CREEL SURVEYOR | MAINE DEPARTMENT OF INLAND FISHERIES AND WILDLIFE

APRIL 2016 – SEPTEMBER 2016

Interview fisherman and work with sportsman's camp owners to collect data on landlocked salmon, lake trout, and small mouth bass caught at East Grand Lake during the 2016 open water fishing season. Also assist biologists on pond surveys in various bodies of water in IF&W management region F.

Duties:

- Interview fisherman on their catch in relation to the size of the fishing party, hours spent fishing, method of fishing.
- Perform gut checks on available fish
- Conduct water chemistry tests to determine surface and bottom temperature, turbidity, alkalinity, pH, and oxygen levels.
- Set and haul gill nets.
- Maintain data sheets containing age, length, origin, and stomach content for each fish caught during any given fishing trip or gill net sample.

ACHIEVEMENTS

Treasurer - Sophomore Owls Honor Society (Class of 2015)
Vice President/Co-Founder - University of Maine Fishing Club
Scholar Athlete (2013, 2014, 2015)
Dean's List 2014
Deans list 2016
Dean's list 2017

REFERENCES

Richard Dill, Brookfield Compliance Fishery Biologist
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(207) 951-2438

Rory Saunders, NOAA Fisheries Biologist
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Tim Sheehan, Research Fishery Biologist
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Dr. Yong Chen, Fisheries Scientist
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