

Carrie Ann Brophil

Canine Behavior Coach/Wildlife Biologist
Natural Resource Management Consultant

Wasilla, AK 99687
907-203-0792
cbrophil@moon-dog.org
www.moon-dog.org

SUMMARY

Carrie Ann Brophil holds degrees in Wildlife Biology and Ecology from Edinboro University of Pennsylvania and Penn State University, respectively. She possesses specialized expertise in canines, having worked professionally with wild, feral (village dogs), and domestic canines. Ms. Brophil has also acquired extensive professional experience within the dog training community. She consistently pursues certified continuing education courses to enhance her knowledge of canine behavior, implementing this education into behavioral dog training practices. This broad experience has enabled her to work with and train numerous animal species. Furthermore, Ms. Brophil integrates canines into the Natural Resource aspect of her career, training and executing duties in collaboration with conservation dogs.

EDUCATION

Edinboro University of Pennsylvania - *MS Biology*

2008-2012

- MS Biology with a concentration on Canines (ethology and biology)
- Used domestic canines for natural resource management

Edinboro University of Pennsylvania - *BS Ecology*

1998-2002

- BS Ecology. This was a joint program between Edinboro University and Penn State University Dubois Campus.
- Focus on conservation ecology using ethological principles

Penn State University, Dubois Campus - *Assoc. Wildlife Management*

2000-2002

- Associate in Wildlife Management. This was a joint program between Edinboro University and Penn State University Dubois Campus.
- Introduction to using canines for resource management
- Focus on wildlife management using both western science methods and North American traditional methods

PROFESSIONAL EXPERIENCE

Moon Dog Consulting and Services, Mat-Su Valley, Alaska - *Owner/Lead Dog Trainer*

Jan 2015 - PRESENT

- Offer specialized services including canine training, behavioral assessments based on applied ethology and biological science, wildlife education, and natural resource management consulting. Further details are available on our Facebook page (@moondogcs) and website (www.moon-dog.org).
- Deliver private and group dog training using applied ethology and evidence-based methods; conduct behavioral assessments and design customized behavior-modification plans.
- Provide wildlife education and natural resource management consulting
- Integrate conservation dogs into detection projects and field operations.
- Manage client intake, scheduling, and community outreach.

Native Village of Eklutna, Eklutna, Alaska - *Land and Environment Director*

April 2018 - June 2024

- Directed daily operations of the Land & Environment Department; oversaw the Indian Environmental General Assistance Program (IGAP), Tribal Response Program (TRP), Department of Defense Native American Lands Environmental Mitigation program (DOD NALEMP), Tribal Wildlife Grants, Tribal Transportation Program (TTP), emergency management, food security, and private and federal grants.
- Assisted with tribal historic preservation projects, led educational tours of historical project sites, created documents about historical sites
- Acted as Eklutna's liaison to Joint Base Elmendorf Richardson's (JBER) cultural department and natural resource department.
- Led Eklutna River restoration initiatives to improve salmon habitat in coordination with partners.
- Collaborated with the Eklutna Tribal Conservation District on administration, grant management, food security, and conservation practices.
- Coordinated compliance, reporting, and stakeholder engagement across tribal, state, federal, and private entities.
- Coordinated and presented educational programs on Dena'ina culture, natural resources, ethnobotany, and food security.

Katies Kanines, Devils Lake, North Dakota - *Owner/Lead Dog Trainer*

Dec 2013 - Feb 2018

- Delivered basic obedience training via classes and 1:1 sessions
- Assessed canine behavior for local rescues
- Worked with problem behaviors and created individualized training plans.
- Hosted a weekly, free Dog Social Hour to support public socialization and canine education, including welfare Basics and canine communication.
- Business incorporated into Moon Dog Consulting and Services in February 2018.

Cankdeska Cikana Community College, Fort Totten, North Dakota - *Land Grant Director*

Dec 2015 - Dec 2017

- Oversaw the Land Grant Department at the college and its employees
- Taught classes in Natural Resource Management: Wildlife Identification, Plant Identification, Ecology, Ethnobotany, Sampling Techniques, and Introduction to Natural Resource Management.
- Archery Coach/Instructor

- Responsible for writing and managing the grants, creating and teaching lesson plans, working with community members with agricultural related issues, working with outside organizations regarding Natural Resources Management.
- Act as a college liaison for organizations such as USDA ONE (formally Strikeforce) and the Northern Prairie Rural Development and Conservation Council of North Dakota (NPRCND)
- Responsible for keeping communication open for educational purposes between the college, the tribe, and state and federal organizations in the field of Natural Resources

Spirit Lake Nation Fish and Wildlife Department, Fort Totten, North Dakota - *Head Wildlife Biologist*

Jun 2013 - Dec 2015

- Responsibilities encompassed the oversight of all biological projects within the Spirit Lake Fish and Wildlife Department, the adjustment of hunting harvest limitations, the monitoring of habitats on the reservation, and the provision of environmental education to both youth and elders within the community
- Direct collaboration with the Departments Law Enforcement Division, Tribal Health, the Bureau of Indian Affairs, Cankdeska Community College's Natural Resource Program, Natural Resource Conservation Service, U.S. Fish and Wildlife Service, and various Tribal, Local, and State Government organizations.
- Conducted baseline wildlife surveys of: game bird and waterfowl species to inform the development of species management plans and harvest recommendations for upcoming seasons; White-tail deer surveys to assist in population estimation and to guide harvest license sales for the upcoming seasons; and other established surveys for updates to the management plans
- Used conservation dogs in wildlife surveys
- Authored new five-year management plans for all game species on the reservation, including harvest recommendations and proposed future survey requirements.
- Served as interim Director of Spirit Lake Animal Control, managing populations of feral dogs, domestic dogs, and domestic cats.
 - Responsibilities encompassed capture, housing, and feeding within a pound environment.
 - Evaluated canine behavioral health for suitability for adoption
 - collaborated with a local rescue organization to facilitate the adoption of the maximum number of animals possible.
 - Taught incoming Animal Control Officers animal handling and safety
 - Updated Animal Welfare code
- Additional daily responsibilities encompassed:
 - park maintenance assistance;
 - response to all wildlife-related calls;
 - Response to feral and domestic animal calls, including feral pigs;
 - removal of animal carcasses from roadways;
 - collection of biological samples;
 - collaboration with the local community college's Natural Resource Program and the UND Wildlife Society Club;
 - updating legal conservation documentation;
 - grant proposal development;
 - comprehensive updates to all management plans within the Fish and Wildlife Office.

Purrfect Pooches, DuBois, Pennsylvania - *Dog Trainer*

Mar 2013 - Jul 2013

- Independent consultant for dogs with behavioral challenges.
- Assisted head trainer in basic and advanced group classes; provided 1:1 behavior support.
- Supported Doggie Daycare operations as needed.

Independent Dog Consultant, Pennsylvania - *Owner/Lead Dog Trainer*

Dec 2004 - Jul 2013

- Independent consultant for problem dog behaviors on a one-on-one basis

Shoener Environmental, Portage, Pennsylvania - *Wildlife Technician*

Feb 2012 - Dec 2012

- Monitor wind turbine sites for avian and mammal fatalities by walking predetermined grids on/around turbine pads.
- Recorded and collected deceased avian and mammal carcasses for identification and transportation to a laboratory for further biological testing
- Performed live bat surveys at new wind turbine locations in Pennsylvania and West Virginia

Erie Zoological Park, Erie, Pennsylvania - *Animal Care Technician*

Aug 2010 - Apr 2011

- Responsibilities included:
 - Daily cleaning of scheduled animal enclosures
 - Preparation and distribution of daily animal diets
 - Administration of medication to selected animals
 - Implementation of enrichment training programs.
- Responsible for the care and management of donkeys, zebus, sheep, goats, chickens, lorikeets, kangaroos, wallabies, Ruffed-lemurs, hyraxes, golden lion tamarins, meerkats, sloths, sandcats, grivits, and Pallas cats.

Edinboro University of Pennsylvania, Erie, Pennsylvania - *Graduate Assistant/Research*

Jan 2008 - Apr 2011

- Captured and collared coyotes (*Canis latrans*) within an urban park environment.
- Conducted daily monitoring and tracking of collared animals using established telemetry procedures.
- Used conservation dogs for location surveys
- Performed a dietary analysis on coyotes (*Canis latrans*) scat collected within the urban park.
- Collaborated the collection and laboratory analysis of coyote scat.
- Collaborated with Moonfire Films Production Company on a documentary film focused on coyotes.
- Thesis available here:
http://books.google.com/books/about/Dietary_Analysis_and_Home_Range_of_Coyot.html?id=JWxgMwEACAAJ

Pennsylvania Department of Agriculture, Erie, Pennsylvania - *FIPA 1*

Apr 2009 - Aug 2009

- Performed Emerald Ash Borer surveys for Erie County
- Hung and monitored insect traps for Emerald Ash Borer
- Collection and preparation of samples from the trap
- Performed other insect monitoring for Erie County including:
 - Western Bean Cutworm
 - Native Bee Survey
 - Woodwasp screening
 - Exotic Cerambycidae surveys.

Spirit Lake Nation Fish and Wildlife Department, Fort Totten, North Dakota - *Head Wildlife Biologist*

Jul 2006 - Jan 2008

- Established biological baseline data for the reservation;
 - Designed and conducted deer population studies
 - Habitat quality studies
 - Raptor counts
 - Fish gillnet surveys
 - Developed Chronic wasting disease (CWD) testing stations and monitoring program
- Developed management plans for the Fish and Wildlife Department including:
 - deer harvest and monitoring;
 - Predator management;
 - Wildlife disease outbreak protocols;
 - Habitat restoration protocols
- Used conservation dogs for biological surveys
- Collaborated with federal biologists on fish studies in lakes within the Spirit Lake Nation Reservation and the Sheyenne River
- Provided environmental and cultural education for grades 3-12 and adults
- Assisted in overseeing inmates performing landscaping work for the department
- Delivered presentations on native plants, ecosystems, and wildlife as part of the tribal high school work study program.
- Volunteered with the North Dakota Natural Resources and Conservation Service (NRCS), participating in tree planting, providing environmental programs, and offering general environmental education to the public.

Living Treasures Animal Park, New Castle, Pennsylvania - Zookeeper

Nov 2005 - Jul 2006

- Maintained cleanliness of animal pens and shelters
- Provided general park maintenance support
- Managed feeding schedules and diets for diverse animal populations, including herbivores, carnivores, reptiles, and infant animals requiring bottle feeding
- Collaborated with the curator to administer medication and vaccinations
- Delivered customer service and support
- Trained animals for basic husbandry skills
- Trained young gray wolves for use as education animals within APHIS guidelines
- Worked on behavioral modification of animals in care.

Sun Scientific Staffing Inc., Export, Pennsylvania - Wet Chemist

Jun 2005 -Sept 2005

- Performed chemical and microbiological analysis on water samples
 - evaluating parameters including pH, suspended solids, dissolved solids, hexavalent chromium, residual chlorine, phenols, nitrites, and fecal coliform bacteria.
- Staffed at Pace Analytical Inc.

Michigan State University, Atlanta, Michigan - Elk Research Technician

Jan 2005 - May 2005

- Elk Sightability Study for Michigan State University, East Lansing, MI
- Located radio collared elk within the main peninsula's elk range using telemetry.
 - Daily data entry and interpretation.
 - Conducted aerial surveys.
 - Assisted with the capture of elk for initial collaring and re-collaring via helicopter netting and coordination with ground crews.
 - Collaborated daily with a fellow technician and other state employees.
 - Executed a significant portion of the work independently, with minimal or no direct supervision.
 - Responsible for the daily collection of field data and the maintenance of field equipment, including the vehicle, snowmobile, and telemetry gear.

Pennsylvania Game Commission, North Central Region, Pennsylvania - Elk Field Technician

Aug 2000 - Nov 2002, 2004

- Elk Viewing Area, Benazette Pennsylvania
- Managed operations in the public viewing area including:
 - Public relations
 - Presentations
 - Coordinating field trips
- Operated check stations during black bear and elk seasons including:
 - data collection of biological and hunter data
 - Instruction on check station procedures to college students from various universities
 - supervision of college students.
- Provided support to farm personnel with the demarcation of boundary lines for PA State Game Lands
- Performed general maintenance tasks at the field garage during the winter season.
- Operated A 9-11 emergency station for evacuees of New York City
 - Assisting in information regarding housing and hygiene supplies
 - Created activities
 - Acted as a liaison between local businesses and state officials
- Majority of work done with little or no supervision

Pennsylvania Game Commission, North Central Region, Pennsylvania - Elk Biologist Aide

Dec 2003 - Aug 2003

- Provided daily field assistance to the biologist, which encompassed:
 - tracking collared elk across the Pennsylvania elk range
 - supporting the annual aerial survey
 - managing data entry and filing
 - engaging in public relations activities
 - leading educational field trips.
- Responsible for field vehicle, equipment, and data files
- Majority of work done with little or no supervision

Pennsylvania Department of Labor, North Central Region, Pennsylvania - PA Conservation Corps Crew Member

Nov 2002 - May 2003

- Collaborated with the Pennsylvania Game Commission on the maintenance of State Game Lands boundary lines (clearing and painting of lines), construction of a garage facility on the game lands, and vehicle maintenance (body work, general maintenance, painting, and minor paint repair).
- Assisted an environmental consulting company with a mine reclamation project in the Karthus area, including the installation and monitoring of weirs.
- Taught other corps members about budgeting and personal bookkeeping.
- Majority of work done with little supervision.

Pennsylvania Game Commission, North Central Region, Pennsylvania - *Field Technician SB Elliot Bear Check Station*

Nov 2000 - Nov 2002

- Measured, sexed, and weighed harvested black bears during the hunting season.
- Collected canine teeth.
- Assisted in instructing college students from local institutions in the bear processing procedures.

Pennsylvania State University, Renovo, Pennsylvania - *Field Technician Hunter Movement Station*

Nov 2001 - Dec 2002

- Public relations, GPS work, deer aging, and data input, participated in deer check station
- Worked in small groups under little supervision

Pennsylvania State University, Quehanna Wild Area, Pennsylvania - *Biologist Assistant Fawn Mortality Study*

May 2001 - Aug 2001

- Obtaining and collaring fawns
- Collecting data of collared fawns via ground telemetry
- Performed necropsies on deceased collared fawns
- Worked in small groups under little supervision

Pennsylvania State University, North Central Region, Pennsylvania - *Field Technician Saw Whet Owl Banding Station*

Oct 2001

- Set up mist nets for capturing saw-whet owls
- Obtained health data on the owls
- Assisted in the banding of owls

Raccoon Creek State Park, Wildflower Reserve, Hookstown, Pennsylvania - *Summer Intern*

May 2000 - Aug 2000

- Provided support to the Park Naturalist in delivering natural science and history education to both children and adults through outdoor instruction.
- Responsibilities included maintaining and updating the trail system, and offering assistance to various park departments (e.g., reception, park rangers, maintenance staff).
- Contributed to an inner-city summer program designed to introduce children to outdoor exploration.
- Collaborated with the Federal Bureau of Investigation (FBI), Central Intelligence Agency (CIA), and local governmental agencies.

VOLUNTEER/EXTRA CURRICULAR

Mat-Su Animal Care and Regulation Board - *Board Member*

January 2026-present

- Board member that sits on the appeal board
- Reviews Title 24 to make suggestions to the assembly for improvement

4-H, Devils Lake, North Dakota - *Club Coordinator*

Aug 2014 - Mar 2018

- Coordinator for the local 4-H club on Spirit Lake Reservation, the Wamdbi Kinyan, or Soaring Eagles.
- Organize club meetings, volunteer opportunities, and activities
- Responsible for club monies gained
- Certified as an Archery Instructor and work with the club members on archery methods and techniques.

Blair County Wildlife Rehabilitation Center, Bellwood, Pennsylvania - *Rehabilitation Volunteer*

Jan 2012 - Jul 2013

- Provided daily husbandry and medical care for a diverse range of injured wildlife, including:
 - mammals (e.g. opossums, bobcats, Skunks, rabbits, squirrels, Whitetail deer, coyotes, foxes, and raccoons)
 - various avian species (e.g., passerines, raptors)
- Provided daily husbandry and medical care for a diverse range of exotic and domestic animals including:
 - Lemurs
 - domestic avian animals
 - Primates
 - chickens and ducks
- Responsibilities at the center included:
 - Assisting with the feeding of injured wildlife and resident animals
 - General cleaning and enrichment setup
 - Executing veterinary technician duties
 - Administering medication and treating visible injuries
 - Processing animal admissions
 - Facilitated the release of rehabilitated animals
 - Enrichment set up for permanent resident facilities and behavioral modification for all species.

Mosquito Creek Sportsman's Club, Freeport, Pennsylvania - *Volunteer*

Feb 2008 - Feb 2013

- Volunteered at at USDA Coyote Check Station
- Collected parasites, organs, and tissue samples from eastern coyotes.
- Assisted with data collection from hunters.
- Trained university students on coyote processing procedures at check stations.
- Delivered environmental education on coyotes and general wildlife topics to community members.
- Worked with professors from SUNY, Penn State, and Stroudsburg Universities on gathering data from Eastern Coyotes

Audubon Society, Erie, Pennsylvania - *Volunteer Core Monitor - Piping Plover Study*

Apr 2009 - Jun 2010

- Weekly walking surveys were conducted along the beaches of Presque Isle State Park throughout the spring migration period to monitor piping plover nest sites and population counts.
- Seasonal position

Rocky Mountain Elk Foundation, Tool City Chapter, Meadville, Pennsylvania - *Volunteer*

Apr 2008 - Jun 2010

- Assisted with the planning and execution of banquets, sales of merchandise, and staffing of informational booths at various venues.

Private Individual, DuBois, Pennsylvania - *Volunteer*

May 2004 - Aug 2004

- Assisted with the re-acclimatization of various animals (llamas, Sika Deer, Fallow Deer, and pygmy goats) to human presence
- Administered feeding and enrichment activities
- Performed maintenance of pens and shelters.

Rocky Mountain Elk Foundation, St. Mary's Chapter, St. Mary's, Pennsylvania - *Volunteer*

Apr 2001 - Jun 2004

- Assisted with the planning and execution of banquets, sales of merchandise, and staffing of informational booths at various venues.

Tamarack Wildlife Rehabilitation Center, Pennsylvania - *Volunteer*

Jan 2000 - May 2000

- Provided daily husbandry and medical care for a diverse range of injured wildlife, including small mammals (e.g., chipmunks, opossums, bobcats) and various avian species (e.g., passerines, raptors).
- Responsibilities at the center included:
 - Assisting with the feeding of injured wildlife and resident animals
 - General cleaning and enrichment setup
 - Executing veterinary technician duties
 - Administering medication and treating visible injuries
 - Animal handling
 - Processing animal admissions
 - Facilitated the release of rehabilitated animals
 - Enrichment set up for permanent resident facilities and behavioral modification for all species.

AWARDS/CERTIFICATIONS

Family Dog Moderator,

Family Dog Moderations Education Center.

Issued January 2024

Skills: Canine Ethology, Canine Behavior.

Career and Technical Credential (CTE) North Dakota Teaching Certification.

North Dakota Department of Career and Technical Education/Bismarck University

Issued Oct 2015. Expired Oct 2020.

Skills: University Teaching, Supervisory Skills, Team Management, Performance Metrics

Conservation Law Enforcement Training

United States Fish and Wildlife Service

Issued June 2014. Expired January 2017

Skills: Crime Scene Investigations, Firearms handling and proficiency, Police Training, Conservation Issues, Small Boat Operations, ATV Vehicles, Incident Investigation, Interviewing, Officer Survival, wildlife forensics

Dog Trainer Certification

Precision Dog Training, Knowledge Assessed

Issued 2013

Skills: Dog Training, Canine Behavior