

Patrick Daley, MSc

228 – 243 Gorge Rd. E, Victoria, BC, V9A 1L6, Canada; (778) 967-1378; daleyppjd@gmail.com

BA Anthropology 2010 (University of Northern British Columbia)

MSc Archaeological Sciences 2015 (University of Bradford)

Introduction to Bioarchaeology, Paleopathology and Forensic Anthropology 2011. Equipo Peruano de Antropología Forense & Equipo Colombiano de Investigaciones Antropológicas Forenses, at the Cementerio Central de Bogotá, Colombia.

Multidisciplinary Field School in Forensic Investigations: The Internal Armed Conflict and Post-Conflict in Guatemala 2013. Guatemalan Forensic Anthropology Foundation (FAFG) & International Field Initiatives and Forensic Training (IFIFT).

Patrick is a heritage specialist and geospatial analyst. His interests and skills lie in applying historical, archaeological, and geospatial information to interpret human-environment interactions. He is particularly familiar with isotopic studies of diet and health, and modern and traditional land-use patterns in North America.

Patrick has worked as a consulting archaeologist in western Canada (Norcan Consulting 2007-2008, Stantec 2010-2012) as well as an assistant to research and heritage management programs in archaeology (Yukon College 2008) and palaeontology (Yukon Government Palaeontology Program 2009). Additionally, Patrick has worked in satellite remote sensing analysis (NRCan 2010) and traditional land use mapping (Bolster Consulting 2011-2014). Patrick has worked with First Nations on heritage projects in multiple areas of British Columbia and Yukon, and has been involved in culturally and politically-sensitive projects overseas (Colombia 2011, Guatemala 2013). He was also involved in the founding, operation and sale of a biofuels import business in northern Canada, serving as manager and CEO.

Selected recent and ongoing projects:

Multi-tissue isotope investigation of a post-medieval assemblage from Newington, South East London. (Daley, P., 2015). MSc dissertation, Faculty of Life Sciences, University of Bradford.

Yukon Health and Wellness in a Changing Climate. Report presenting research on the current state of understanding of the impacts of climate change on health in Yukon, and providing recommendations to address gaps in the Yukon's climate change and health adaptation approach. Contracting body is Environment Yukon. Role: substantive editing and drafting of final report

Frozen Heat: A Global Outlook on Methane Gas Hydrates. Two-volume report on the science and energy potential of gas hydrates, along with a summary report for policy makers. UNEP/GRID-Arendal, Marine Programme. In production. Role: technical editor

Pacific Marine Minerals and Deep Sea Mining Assessment, 2013. Three-volume report on the science and economic potential of marine minerals. Published by UNEP/GRID-Arendal, Marine Programme and available online at <http://www.grida.no/publications/deep-sea-minerals/> .
Role: technical editor, bibliographic database development

Biodiversity reports for the Conservation of Arctic Flora and Fauna Working Group of Arctic Council (CAFF). Report on sea-ice-associated biodiversity, including an analysis of relevant Arctic Council policy recommendations, and a report on Arctic species trend analysis. Role: bibliographic database development.

State of the Mediterranean Marine and Coastal Environment, 2012. Prepared by UNEP/GRID-Arendal for submission to the governing body of the Mediterranean Action Plan (MAP), and published online at <http://www.grida.no/publications/med/> Role: proofreading, fact-checking and bibliographic database development.

British Columbia Ministry of Justice Ethnohistoric Indexing Program. Project to develop a province-wide spatial index of historically-reported First Nations land use sites accessible through internal BC Government mapping tools. Ongoing. Employer: Bolster Consulting Ltd.
Role: identification, description and digitizing of traditional use sites from ethnohistoric reports and historic maps.

GeoBC Resource Roads Pilot Project. Updating forestry, mining and oil & gas resource road datasets for integration into provincial road atlas databases. Employer: Bolster Consulting Ltd.
Role: Integration of multiple resource road datasets with existing road atlases, airphoto interpretation for quality assurance.

Areas of professional experience

Geomatics:

Traditional use and historical mapping from primary and secondary sources
Multispectral satellite image processing, classification and analysis
Orthophoto and satellite imagery interpretation

Heritage:

Analytical chemistry in archaeology and palaeoenvironment studies
Stable isotope analysis
North American archaeology, especially Western Canada and Yukon
Quaternary palaeontology of Beringia

Report development:

Bibliographic database development
Library and archival research
Copy editing and proofreading
Substantive editing of scientific reports